



Full wwPDB EM Validation Report ⓘ

Mar 26, 2026 – 04:56 AM UTC

PDB ID : 9LZJ / pdb_00009lzh
EMDB ID : EMD-63527
Title : The PSI3-IsiA43 complex with a closed double ring of IsiA proteins bound to a trimeric PSI core
Authors : Si, L.; Cao, P.; Li, M.
Deposited on : 2025-02-21
Resolution : 3.40 Å(reported)

This is a Full wwPDB EM Validation Report for a publicly released PDB entry.

We welcome your comments at validation@mail.wwpdb.org

A user guide is available at

<https://www.wwpdb.org/validation/2017/EMValidationReportHelp>
with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

EMDB validation analysis : 0.0.1.dev132
Mogul : 2022.3.0, CSD as543be (2022)
MolProbity : 4-5-2 with Phenix2.0
Buster-report : wwPDB partial adaption of 1.1.7 (2018)
Percentile statistics : 20250101.v01 (using entries in the PDB archive January 1st 2025)
EM percentile statistics : 202505.v01 (Using data in the EMDB archive up until May 2025)
MapQ : 1.9.13
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.49

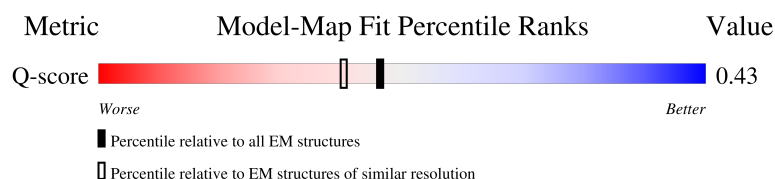
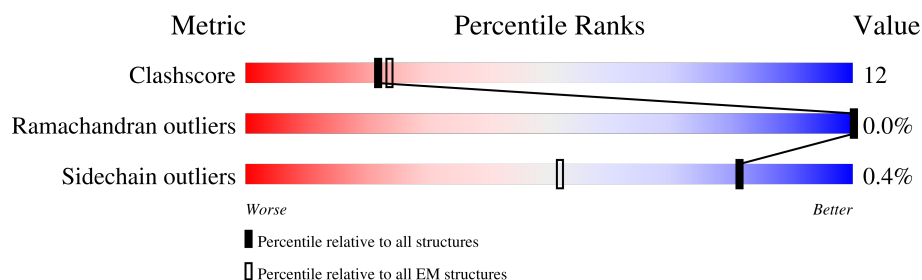
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

ELECTRON MICROSCOPY





The reported resolution of this entry is 3.40 Å.

Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.

















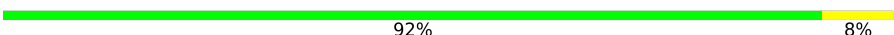

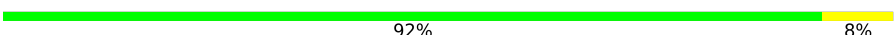








Metric	Whole archive (#Entries)	EM structures (#Entries)	Similar EM resolution (#Entries, resolution range(Å))
Clashscore	229148	23984	-
Ramachandran outliers	224038	23583	-
Sidechain outliers	223484	23102	-
Q-score	-	25397	14717 (2.90 - 3.90)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the map. The red, orange, yellow and green segments of the bar indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria respectively. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions $\leq 5\%$. The upper red bar (where present) indicates the fraction of residues that have poor fit to the EM map (all-atom inclusion $< 40\%$). The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	aA	755	 76% 22%
1	bA	755	 74% 24%
1	cA	755	 77% 22%
2	aB	741	 79% 21%












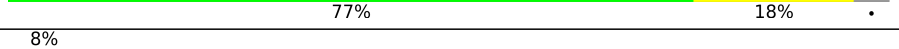



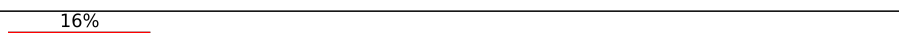
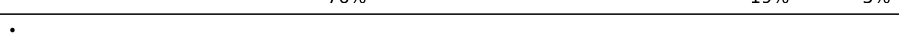







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Mol	Chain	Length	Quality of chain
2	bB	741	
2	cB	741	
3	aC	81	
3	bC	81	
3	cC	81	
4	aD	139	
4	bD	139	
4	cD	139	
5	aE	76	
5	bE	76	
5	cE	76	
6	aF	164	
6	bF	164	
6	cF	164	
7	aI	38	
7	bI	38	
7	cI	38	
8	aJ	41	
8	bJ	41	
8	cJ	41	
9	aK	83	
9	bK	83	
9	cK	83	
10	aL	155	
10	bL	155	







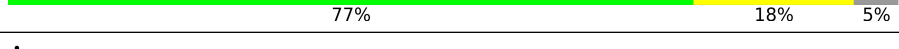
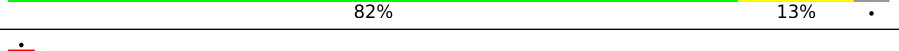
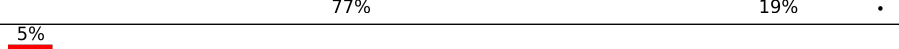
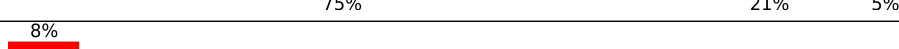
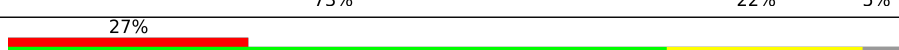

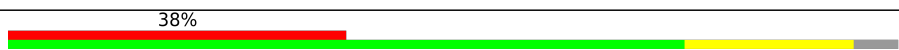

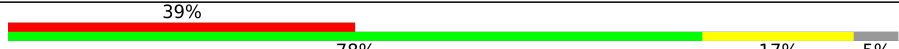





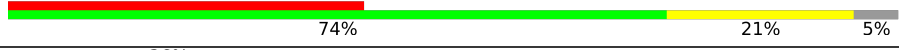
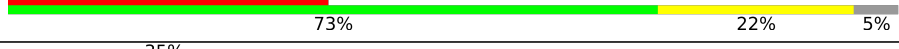



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Mol	Chain	Length	Quality of chain
10	cL	155	
11	aM	31	
11	bM	31	
11	cM	31	
12	aX	39	
12	bX	39	
12	cX	39	
13	S	358	
13	T	358	
13	U	358	
13	V	358	
13	W	358	
13	X	358	
13	Y	358	
13	Z	358	
13	a	358	
13	a1	358	
13	a2	358	
13	a3	358	
13	a4	358	
13	a5	358	
13	a6	358	
13	b	358	
13	b1	358	
13	b2	358	

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Mol	Chain	Length	Quality of chain
13	b3	358	
13	b4	358	
13	b5	358	
13	b6	358	
13	c	358	
13	c1	358	
13	c2	358	
13	c3	358	
13	c4	358	
13	c5	358	
13	c6	358	
13	d	358	
13	e	358	
13	f	358	
13	g	358	
13	h	358	
13	i	358	
13	j	358	
13	k	358	
13	l	358	
13	m	358	
13	n	358	
13	o	358	
13	p	358	
13	q	358	

The following table lists non-polymeric compounds, carbohydrate monomers and non-standard residues in protein, DNA, RNA chains that are outliers for geometric or electron-density-fit criteria:

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	S	501	X	-	-	-
14	CLA	S	502	X	-	-	-
14	CLA	S	503	X	-	-	-
14	CLA	S	504	X	-	-	-
14	CLA	S	505	X	-	-	-
14	CLA	S	506	X	-	-	-
14	CLA	S	507	X	-	-	-
14	CLA	S	508	X	-	-	-
14	CLA	S	509	X	-	-	-
14	CLA	S	510	X	-	-	-
14	CLA	S	511	X	-	-	-
14	CLA	S	512	X	-	-	-
14	CLA	S	513	X	-	-	-
14	CLA	S	516	X	-	-	-
14	CLA	S	517	X	-	-	-
14	CLA	S	518	X	-	-	-
14	CLA	S	519	X	-	-	-
14	CLA	T	501	X	-	-	-
14	CLA	T	502	X	-	-	-
14	CLA	T	503	X	-	-	-
14	CLA	T	504	X	-	-	-
14	CLA	T	505	X	-	-	-
14	CLA	T	506	X	-	-	-
14	CLA	T	507	X	-	-	-
14	CLA	T	508	X	-	-	-
14	CLA	T	509	X	-	-	-
14	CLA	T	510	X	-	-	-
14	CLA	T	511	X	-	-	-
14	CLA	T	512	X	-	-	-
14	CLA	T	513	X	-	-	-
14	CLA	T	516	X	-	-	-
14	CLA	T	517	X	-	-	-
14	CLA	T	518	X	-	-	-
14	CLA	T	519	X	-	-	-
14	CLA	U	501	X	-	-	-
14	CLA	U	502	X	-	-	-
14	CLA	U	503	X	-	-	-
14	CLA	U	504	X	-	-	-
14	CLA	U	505	X	-	-	-
14	CLA	U	506	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	U	507	X	-	-	-
14	CLA	U	508	X	-	-	-
14	CLA	U	509	X	-	-	-
14	CLA	U	510	X	-	-	-
14	CLA	U	511	X	-	-	-
14	CLA	U	512	X	-	-	-
14	CLA	U	513	X	-	-	-
14	CLA	U	516	X	-	-	-
14	CLA	U	517	X	-	-	-
14	CLA	U	518	X	-	-	-
14	CLA	U	519	X	-	-	-
14	CLA	V	501	X	-	-	-
14	CLA	V	502	X	-	-	-
14	CLA	V	503	X	-	-	-
14	CLA	V	504	X	-	-	-
14	CLA	V	505	X	-	-	-
14	CLA	V	506	X	-	-	-
14	CLA	V	507	X	-	-	-
14	CLA	V	508	X	-	-	-
14	CLA	V	509	X	-	-	-
14	CLA	V	510	X	-	-	-
14	CLA	V	511	X	-	-	-
14	CLA	V	512	X	-	-	-
14	CLA	V	513	X	-	-	-
14	CLA	V	516	X	-	-	-
14	CLA	V	517	X	-	-	-
14	CLA	V	518	X	-	-	-
14	CLA	V	519	X	-	-	-
14	CLA	W	501	X	-	-	-
14	CLA	W	502	X	-	-	-
14	CLA	W	503	X	-	-	-
14	CLA	W	504	X	-	-	-
14	CLA	W	505	X	-	-	-
14	CLA	W	506	X	-	-	-
14	CLA	W	507	X	-	-	-
14	CLA	W	508	X	-	-	-
14	CLA	W	509	X	-	-	-
14	CLA	W	510	X	-	-	-
14	CLA	W	511	X	-	-	-
14	CLA	W	512	X	-	-	-
14	CLA	W	513	X	-	-	-
14	CLA	W	516	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	W	517	X	-	-	-
14	CLA	W	518	X	-	-	-
14	CLA	W	519	X	-	-	-
14	CLA	X	501	X	-	-	-
14	CLA	X	502	X	-	-	-
14	CLA	X	503	X	-	-	-
14	CLA	X	504	X	-	-	-
14	CLA	X	505	X	-	-	-
14	CLA	X	506	X	-	-	-
14	CLA	X	507	X	-	-	-
14	CLA	X	508	X	-	-	-
14	CLA	X	509	X	-	-	-
14	CLA	X	510	X	-	-	-
14	CLA	X	511	X	-	-	-
14	CLA	X	512	X	-	-	-
14	CLA	X	513	X	-	-	-
14	CLA	X	516	X	-	-	-
14	CLA	X	517	X	-	-	-
14	CLA	X	518	X	-	-	-
14	CLA	X	519	X	-	-	-
14	CLA	Y	501	X	-	-	-
14	CLA	Y	502	X	-	-	-
14	CLA	Y	503	X	-	-	-
14	CLA	Y	504	X	-	-	-
14	CLA	Y	505	X	-	-	-
14	CLA	Y	506	X	-	-	-
14	CLA	Y	507	X	-	-	-
14	CLA	Y	508	X	-	-	-
14	CLA	Y	509	X	-	-	-
14	CLA	Y	510	X	-	-	-
14	CLA	Y	511	X	-	-	-
14	CLA	Y	512	X	-	-	-
14	CLA	Y	513	X	-	-	-
14	CLA	Y	516	X	-	-	-
14	CLA	Y	517	X	-	-	-
14	CLA	Y	518	X	-	-	-
14	CLA	Y	519	X	-	-	-
14	CLA	Z	501	X	-	-	-
14	CLA	Z	502	X	-	-	-
14	CLA	Z	503	X	-	-	-
14	CLA	Z	504	X	-	-	-
14	CLA	Z	505	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	Z	506	X	-	-	-
14	CLA	Z	507	X	-	-	-
14	CLA	Z	508	X	-	-	-
14	CLA	Z	509	X	-	-	-
14	CLA	Z	510	X	-	-	-
14	CLA	Z	511	X	-	-	-
14	CLA	Z	512	X	-	-	-
14	CLA	Z	513	X	-	-	-
14	CLA	Z	516	X	-	-	-
14	CLA	Z	517	X	-	-	-
14	CLA	Z	518	X	-	-	-
14	CLA	Z	519	X	-	-	-
14	CLA	a	501	X	-	-	-
14	CLA	a	502	X	-	-	-
14	CLA	a	503	X	-	-	-
14	CLA	a	504	X	-	-	-
14	CLA	a	505	X	-	-	-
14	CLA	a	506	X	-	-	-
14	CLA	a	507	X	-	-	-
14	CLA	a	508	X	-	-	-
14	CLA	a	509	X	-	-	-
14	CLA	a	510	X	-	-	-
14	CLA	a	511	X	-	-	-
14	CLA	a	512	X	-	-	-
14	CLA	a	513	X	-	-	-
14	CLA	a	516	X	-	-	-
14	CLA	a	517	X	-	-	-
14	CLA	a	518	X	-	-	-
14	CLA	a	519	X	-	-	-
14	CLA	a1	501	X	-	-	-
14	CLA	a1	502	X	-	-	-
14	CLA	a1	503	X	-	-	-
14	CLA	a1	504	X	-	-	-
14	CLA	a1	505	X	-	-	-
14	CLA	a1	506	X	-	-	-
14	CLA	a1	507	X	-	-	-
14	CLA	a1	508	X	-	-	-
14	CLA	a1	509	X	-	-	-
14	CLA	a1	510	X	-	-	-
14	CLA	a1	511	X	-	-	-
14	CLA	a1	512	X	-	-	-
14	CLA	a1	513	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	a1	516	X	-	-	-
14	CLA	a1	517	X	-	-	-
14	CLA	a1	518	X	-	-	-
14	CLA	a1	519	X	-	-	-
14	CLA	a2	501	X	-	-	-
14	CLA	a2	502	X	-	-	-
14	CLA	a2	503	X	-	-	-
14	CLA	a2	504	X	-	-	-
14	CLA	a2	505	X	-	-	-
14	CLA	a2	506	X	-	-	-
14	CLA	a2	507	X	-	-	-
14	CLA	a2	508	X	-	-	-
14	CLA	a2	509	X	-	-	-
14	CLA	a2	510	X	-	-	-
14	CLA	a2	511	X	-	-	-
14	CLA	a2	512	X	-	-	-
14	CLA	a2	513	X	-	-	-
14	CLA	a2	516	X	-	-	-
14	CLA	a2	517	X	-	-	-
14	CLA	a2	518	X	-	-	-
14	CLA	a2	519	X	-	-	-
14	CLA	a3	501	X	-	-	-
14	CLA	a3	502	X	-	-	-
14	CLA	a3	503	X	-	-	-
14	CLA	a3	504	X	-	-	-
14	CLA	a3	505	X	-	-	-
14	CLA	a3	506	X	-	-	-
14	CLA	a3	507	X	-	-	-
14	CLA	a3	508	X	-	-	-
14	CLA	a3	509	X	-	-	-
14	CLA	a3	510	X	-	-	-
14	CLA	a3	511	X	-	-	-
14	CLA	a3	512	X	-	-	-
14	CLA	a3	513	X	-	-	-
14	CLA	a3	516	X	-	-	-
14	CLA	a3	517	X	-	-	-
14	CLA	a3	518	X	-	-	-
14	CLA	a3	519	X	-	-	-
14	CLA	a4	501	X	-	-	-
14	CLA	a4	502	X	-	-	-
14	CLA	a4	503	X	-	-	-
14	CLA	a4	504	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	a4	505	X	-	-	-
14	CLA	a4	506	X	-	-	-
14	CLA	a4	507	X	-	-	-
14	CLA	a4	508	X	-	-	-
14	CLA	a4	509	X	-	-	-
14	CLA	a4	510	X	-	-	-
14	CLA	a4	511	X	-	-	-
14	CLA	a4	512	X	-	-	-
14	CLA	a4	513	X	-	-	-
14	CLA	a4	516	X	-	-	-
14	CLA	a4	517	X	-	-	-
14	CLA	a4	518	X	-	-	-
14	CLA	a4	519	X	-	-	-
14	CLA	a5	501	X	-	-	-
14	CLA	a5	502	X	-	-	-
14	CLA	a5	503	X	-	-	-
14	CLA	a5	504	X	-	-	-
14	CLA	a5	505	X	-	-	-
14	CLA	a5	506	X	-	-	-
14	CLA	a5	507	X	-	-	-
14	CLA	a5	508	X	-	-	-
14	CLA	a5	509	X	-	-	-
14	CLA	a5	510	X	-	-	-
14	CLA	a5	511	X	-	-	-
14	CLA	a5	512	X	-	-	-
14	CLA	a5	513	X	-	-	-
14	CLA	a5	516	X	-	-	-
14	CLA	a5	517	X	-	-	-
14	CLA	a5	518	X	-	-	-
14	CLA	a5	519	X	-	-	-
14	CLA	a6	501	X	-	-	-
14	CLA	a6	502	X	-	-	-
14	CLA	a6	503	X	-	-	-
14	CLA	a6	504	X	-	-	-
14	CLA	a6	505	X	-	-	-
14	CLA	a6	506	X	-	-	-
14	CLA	a6	507	X	-	-	-
14	CLA	a6	508	X	-	-	-
14	CLA	a6	509	X	-	-	-
14	CLA	a6	510	X	-	-	-
14	CLA	a6	511	X	-	-	-
14	CLA	a6	512	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	a6	513	X	-	-	-
14	CLA	a6	516	X	-	-	-
14	CLA	a6	517	X	-	-	-
14	CLA	a6	518	X	-	-	-
14	CLA	a6	519	X	-	-	-
14	CLA	aA	1011	X	-	-	-
14	CLA	aA	1013	X	-	-	-
14	CLA	aA	1022	X	-	-	-
14	CLA	aA	1101	X	-	-	-
14	CLA	aA	1102	X	-	-	-
14	CLA	aA	1103	X	-	-	-
14	CLA	aA	1104	X	-	-	-
14	CLA	aA	1105	X	-	-	-
14	CLA	aA	1106	X	-	-	-
14	CLA	aA	1107	X	-	-	-
14	CLA	aA	1108	X	-	-	-
14	CLA	aA	1109	X	-	-	-
14	CLA	aA	1110	X	-	-	-
14	CLA	aA	1111	X	-	-	-
14	CLA	aA	1112	X	-	-	-
14	CLA	aA	1113	X	-	-	-
14	CLA	aA	1114	X	-	-	-
14	CLA	aA	1115	X	-	-	-
14	CLA	aA	1116	X	-	-	-
14	CLA	aA	1117	X	-	-	-
14	CLA	aA	1118	X	-	-	-
14	CLA	aA	1119	X	-	-	-
14	CLA	aA	1120	X	-	-	-
14	CLA	aA	1121	X	-	-	-
14	CLA	aA	1122	X	-	-	-
14	CLA	aA	1123	X	-	-	-
14	CLA	aA	1124	X	-	-	-
14	CLA	aA	1125	X	-	-	-
14	CLA	aA	1126	X	-	-	-
14	CLA	aA	1127	X	-	-	-
14	CLA	aA	1128	X	-	-	-
14	CLA	aA	1129	X	-	-	-
14	CLA	aA	1130	X	-	-	-
14	CLA	aA	1131	X	-	-	-
14	CLA	aA	1132	X	-	-	-
14	CLA	aA	1133	X	-	-	-
14	CLA	aA	1134	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	aA	1135	X	-	-	-
14	CLA	aA	1136	X	-	-	-
14	CLA	aA	1137	X	-	-	-
14	CLA	aA	1138	X	-	-	-
14	CLA	aA	1139	X	-	-	-
14	CLA	aA	1140	X	-	-	-
14	CLA	aA	1237	X	-	-	-
14	CLA	aA	1801	X	-	-	-
14	CLA	aB	1012	X	-	-	-
14	CLA	aB	1021	X	-	-	-
14	CLA	aB	1023	X	-	-	-
14	CLA	aB	1201	X	-	-	-
14	CLA	aB	1202	X	-	-	-
14	CLA	aB	1203	X	-	-	-
14	CLA	aB	1204	X	-	-	-
14	CLA	aB	1205	X	-	-	-
14	CLA	aB	1206	X	-	-	-
14	CLA	aB	1207	X	-	-	-
14	CLA	aB	1208	X	-	-	-
14	CLA	aB	1209	X	-	-	-
14	CLA	aB	1210	X	-	-	-
14	CLA	aB	1211	X	-	-	-
14	CLA	aB	1212	X	-	-	-
14	CLA	aB	1213	X	-	-	-
14	CLA	aB	1214	X	-	-	-
14	CLA	aB	1215	X	-	-	-
14	CLA	aB	1216	X	-	-	-
14	CLA	aB	1217	X	-	-	-
14	CLA	aB	1218	X	-	-	-
14	CLA	aB	1219	X	-	-	-
14	CLA	aB	1220	X	-	-	-
14	CLA	aB	1221	X	-	-	-
14	CLA	aB	1222	X	-	-	-
14	CLA	aB	1223	X	-	-	-
14	CLA	aB	1224	X	-	-	-
14	CLA	aB	1225	X	-	-	-
14	CLA	aB	1226	X	-	-	-
14	CLA	aB	1227	X	-	-	-
14	CLA	aB	1228	X	-	-	-
14	CLA	aB	1229	X	-	-	-
14	CLA	aB	1230	X	-	-	-
14	CLA	aB	1231	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	aB	1232	X	-	-	-
14	CLA	aB	1233	X	-	-	-
14	CLA	aB	1234	X	-	-	-
14	CLA	aB	1235	X	-	-	-
14	CLA	aB	1236	X	-	-	-
14	CLA	aB	1238	X	-	-	-
14	CLA	aB	1239	X	-	-	-
14	CLA	aF	1301	X	-	-	-
14	CLA	aJ	1302	X	-	-	-
14	CLA	aJ	1303	X	-	-	-
14	CLA	aK	1103	X	-	-	-
14	CLA	aK	1401	X	-	-	-
14	CLA	aL	1501	X	-	-	-
14	CLA	aL	1502	X	-	-	-
14	CLA	aL	1503	X	-	-	-
14	CLA	aX	1401	X	-	-	-
14	CLA	b	501	X	-	-	-
14	CLA	b	502	X	-	-	-
14	CLA	b	503	X	-	-	-
14	CLA	b	504	X	-	-	-
14	CLA	b	505	X	-	-	-
14	CLA	b	506	X	-	-	-
14	CLA	b	507	X	-	-	-
14	CLA	b	508	X	-	-	-
14	CLA	b	509	X	-	-	-
14	CLA	b	510	X	-	-	-
14	CLA	b	511	X	-	-	-
14	CLA	b	512	X	-	-	-
14	CLA	b	513	X	-	-	-
14	CLA	b	516	X	-	-	-
14	CLA	b	517	X	-	-	-
14	CLA	b	518	X	-	-	-
14	CLA	b	519	X	-	-	-
14	CLA	b1	501	X	-	-	-
14	CLA	b1	502	X	-	-	-
14	CLA	b1	503	X	-	-	-
14	CLA	b1	504	X	-	-	-
14	CLA	b1	505	X	-	-	-
14	CLA	b1	506	X	-	-	-
14	CLA	b1	507	X	-	-	-
14	CLA	b1	508	X	-	-	-
14	CLA	b1	509	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	b1	510	X	-	-	-
14	CLA	b1	511	X	-	-	-
14	CLA	b1	512	X	-	-	-
14	CLA	b1	513	X	-	-	-
14	CLA	b1	516	X	-	-	-
14	CLA	b1	517	X	-	-	-
14	CLA	b1	518	X	-	-	-
14	CLA	b1	519	X	-	-	-
14	CLA	b2	501	X	-	-	-
14	CLA	b2	502	X	-	-	-
14	CLA	b2	503	X	-	-	-
14	CLA	b2	504	X	-	-	-
14	CLA	b2	505	X	-	-	-
14	CLA	b2	506	X	-	-	-
14	CLA	b2	507	X	-	-	-
14	CLA	b2	508	X	-	-	-
14	CLA	b2	509	X	-	-	-
14	CLA	b2	510	X	-	-	-
14	CLA	b2	511	X	-	-	-
14	CLA	b2	512	X	-	-	-
14	CLA	b2	513	X	-	-	-
14	CLA	b2	516	X	-	-	-
14	CLA	b2	517	X	-	-	-
14	CLA	b2	518	X	-	-	-
14	CLA	b2	519	X	-	-	-
14	CLA	b3	501	X	-	-	-
14	CLA	b3	502	X	-	-	-
14	CLA	b3	503	X	-	-	-
14	CLA	b3	504	X	-	-	-
14	CLA	b3	505	X	-	-	-
14	CLA	b3	506	X	-	-	-
14	CLA	b3	507	X	-	-	-
14	CLA	b3	508	X	-	-	-
14	CLA	b3	509	X	-	-	-
14	CLA	b3	510	X	-	-	-
14	CLA	b3	511	X	-	-	-
14	CLA	b3	512	X	-	-	-
14	CLA	b3	513	X	-	-	-
14	CLA	b3	516	X	-	-	-
14	CLA	b3	517	X	-	-	-
14	CLA	b3	518	X	-	-	-
14	CLA	b3	519	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	b4	501	X	-	-	-
14	CLA	b4	502	X	-	-	-
14	CLA	b4	503	X	-	-	-
14	CLA	b4	504	X	-	-	-
14	CLA	b4	505	X	-	-	-
14	CLA	b4	506	X	-	-	-
14	CLA	b4	507	X	-	-	-
14	CLA	b4	508	X	-	-	-
14	CLA	b4	509	X	-	-	-
14	CLA	b4	510	X	-	-	-
14	CLA	b4	511	X	-	-	-
14	CLA	b4	512	X	-	-	-
14	CLA	b4	513	X	-	-	-
14	CLA	b4	516	X	-	-	-
14	CLA	b4	517	X	-	-	-
14	CLA	b4	518	X	-	-	-
14	CLA	b4	519	X	-	-	-
14	CLA	b5	501	X	-	-	-
14	CLA	b5	502	X	-	-	-
14	CLA	b5	503	X	-	-	-
14	CLA	b5	504	X	-	-	-
14	CLA	b5	505	X	-	-	-
14	CLA	b5	506	X	-	-	-
14	CLA	b5	507	X	-	-	-
14	CLA	b5	508	X	-	-	-
14	CLA	b5	509	X	-	-	-
14	CLA	b5	510	X	-	-	-
14	CLA	b5	511	X	-	-	-
14	CLA	b5	512	X	-	-	-
14	CLA	b5	513	X	-	-	-
14	CLA	b5	516	X	-	-	-
14	CLA	b5	517	X	-	-	-
14	CLA	b5	518	X	-	-	-
14	CLA	b5	519	X	-	-	-
14	CLA	b6	501	X	-	-	-
14	CLA	b6	502	X	-	-	-
14	CLA	b6	503	X	-	-	-
14	CLA	b6	504	X	-	-	-
14	CLA	b6	505	X	-	-	-
14	CLA	b6	506	X	-	-	-
14	CLA	b6	507	X	-	-	-
14	CLA	b6	508	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	b6	509	X	-	-	-
14	CLA	b6	510	X	-	-	-
14	CLA	b6	511	X	-	-	-
14	CLA	b6	512	X	-	-	-
14	CLA	b6	513	X	-	-	-
14	CLA	b6	516	X	-	-	-
14	CLA	b6	517	X	-	-	-
14	CLA	b6	518	X	-	-	-
14	CLA	b6	519	X	-	-	-
14	CLA	bA	1011	X	-	-	-
14	CLA	bA	1013	X	-	-	-
14	CLA	bA	1022	X	-	-	-
14	CLA	bA	1101	X	-	-	-
14	CLA	bA	1102	X	-	-	-
14	CLA	bA	1103	X	-	-	-
14	CLA	bA	1104	X	-	-	-
14	CLA	bA	1105	X	-	-	-
14	CLA	bA	1106	X	-	-	-
14	CLA	bA	1107	X	-	-	-
14	CLA	bA	1108	X	-	-	-
14	CLA	bA	1109	X	-	-	-
14	CLA	bA	1110	X	-	-	-
14	CLA	bA	1111	X	-	-	-
14	CLA	bA	1112	X	-	-	-
14	CLA	bA	1113	X	-	-	-
14	CLA	bA	1114	X	-	-	-
14	CLA	bA	1115	X	-	-	-
14	CLA	bA	1116	X	-	-	-
14	CLA	bA	1117	X	-	-	-
14	CLA	bA	1118	X	-	-	-
14	CLA	bA	1119	X	-	-	-
14	CLA	bA	1120	X	-	-	-
14	CLA	bA	1121	X	-	-	-
14	CLA	bA	1122	X	-	-	-
14	CLA	bA	1123	X	-	-	-
14	CLA	bA	1124	X	-	-	-
14	CLA	bA	1125	X	-	-	-
14	CLA	bA	1126	X	-	-	-
14	CLA	bA	1127	X	-	-	-
14	CLA	bA	1128	X	-	-	-
14	CLA	bA	1129	X	-	-	-
14	CLA	bA	1130	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	bA	1131	X	-	-	-
14	CLA	bA	1132	X	-	-	-
14	CLA	bA	1133	X	-	-	-
14	CLA	bA	1134	X	-	-	-
14	CLA	bA	1135	X	-	-	-
14	CLA	bA	1136	X	-	-	-
14	CLA	bA	1137	X	-	-	-
14	CLA	bA	1138	X	-	-	-
14	CLA	bA	1139	X	-	-	-
14	CLA	bA	1140	X	-	-	-
14	CLA	bA	1237	X	-	-	-
14	CLA	bA	1801	X	-	-	-
14	CLA	bB	1012	X	-	-	-
14	CLA	bB	1021	X	-	-	-
14	CLA	bB	1023	X	-	-	-
14	CLA	bB	1201	X	-	-	-
14	CLA	bB	1202	X	-	-	-
14	CLA	bB	1203	X	-	-	-
14	CLA	bB	1204	X	-	-	-
14	CLA	bB	1205	X	-	-	-
14	CLA	bB	1206	X	-	-	-
14	CLA	bB	1207	X	-	-	-
14	CLA	bB	1208	X	-	-	-
14	CLA	bB	1209	X	-	-	-
14	CLA	bB	1210	X	-	-	-
14	CLA	bB	1211	X	-	-	-
14	CLA	bB	1212	X	-	-	-
14	CLA	bB	1213	X	-	-	-
14	CLA	bB	1214	X	-	-	-
14	CLA	bB	1215	X	-	-	-
14	CLA	bB	1216	X	-	-	-
14	CLA	bB	1217	X	-	-	-
14	CLA	bB	1218	X	-	-	-
14	CLA	bB	1219	X	-	-	-
14	CLA	bB	1220	X	-	-	-
14	CLA	bB	1221	X	-	-	-
14	CLA	bB	1222	X	-	-	-
14	CLA	bB	1223	X	-	-	-
14	CLA	bB	1224	X	-	-	-
14	CLA	bB	1225	X	-	-	-
14	CLA	bB	1226	X	-	-	-
14	CLA	bB	1227	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	bB	1228	X	-	-	-
14	CLA	bB	1229	X	-	-	-
14	CLA	bB	1230	X	-	-	-
14	CLA	bB	1231	X	-	-	-
14	CLA	bB	1232	X	-	-	-
14	CLA	bB	1233	X	-	-	-
14	CLA	bB	1234	X	-	-	-
14	CLA	bB	1235	X	-	-	-
14	CLA	bB	1236	X	-	-	-
14	CLA	bB	1238	X	-	-	-
14	CLA	bB	1239	X	-	-	-
14	CLA	bF	1301	X	-	-	-
14	CLA	bJ	1302	X	-	-	-
14	CLA	bJ	1303	X	-	-	-
14	CLA	bK	1103	X	-	-	-
14	CLA	bK	1401	X	-	-	-
14	CLA	bL	1501	X	-	-	-
14	CLA	bL	1502	X	-	-	-
14	CLA	bL	1503	X	-	-	-
14	CLA	bX	1401	X	-	-	-
14	CLA	c	501	X	-	-	-
14	CLA	c	502	X	-	-	-
14	CLA	c	503	X	-	-	-
14	CLA	c	504	X	-	-	-
14	CLA	c	505	X	-	-	-
14	CLA	c	506	X	-	-	-
14	CLA	c	507	X	-	-	-
14	CLA	c	508	X	-	-	-
14	CLA	c	509	X	-	-	-
14	CLA	c	510	X	-	-	-
14	CLA	c	511	X	-	-	-
14	CLA	c	512	X	-	-	-
14	CLA	c	513	X	-	-	-
14	CLA	c	516	X	-	-	-
14	CLA	c	517	X	-	-	-
14	CLA	c	518	X	-	-	-
14	CLA	c	519	X	-	-	-
14	CLA	c1	501	X	-	-	-
14	CLA	c1	502	X	-	-	-
14	CLA	c1	503	X	-	-	-
14	CLA	c1	504	X	-	-	-
14	CLA	c1	505	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	c1	506	X	-	-	-
14	CLA	c1	507	X	-	-	-
14	CLA	c1	508	X	-	-	-
14	CLA	c1	509	X	-	-	-
14	CLA	c1	510	X	-	-	-
14	CLA	c1	511	X	-	-	-
14	CLA	c1	512	X	-	-	-
14	CLA	c1	513	X	-	-	-
14	CLA	c1	516	X	-	-	-
14	CLA	c1	517	X	-	-	-
14	CLA	c1	518	X	-	-	-
14	CLA	c1	519	X	-	-	-
14	CLA	c2	501	X	-	-	-
14	CLA	c2	502	X	-	-	-
14	CLA	c2	503	X	-	-	-
14	CLA	c2	504	X	-	-	-
14	CLA	c2	505	X	-	-	-
14	CLA	c2	506	X	-	-	-
14	CLA	c2	507	X	-	-	-
14	CLA	c2	508	X	-	-	-
14	CLA	c2	509	X	-	-	-
14	CLA	c2	510	X	-	-	-
14	CLA	c2	511	X	-	-	-
14	CLA	c2	512	X	-	-	-
14	CLA	c2	513	X	-	-	-
14	CLA	c2	516	X	-	-	-
14	CLA	c2	517	X	-	-	-
14	CLA	c2	518	X	-	-	-
14	CLA	c2	519	X	-	-	-
14	CLA	c3	501	X	-	-	-
14	CLA	c3	502	X	-	-	-
14	CLA	c3	503	X	-	-	-
14	CLA	c3	504	X	-	-	-
14	CLA	c3	505	X	-	-	-
14	CLA	c3	506	X	-	-	-
14	CLA	c3	507	X	-	-	-
14	CLA	c3	508	X	-	-	-
14	CLA	c3	509	X	-	-	-
14	CLA	c3	510	X	-	-	-
14	CLA	c3	511	X	-	-	-
14	CLA	c3	512	X	-	-	-
14	CLA	c3	513	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	c3	516	X	-	-	-
14	CLA	c3	517	X	-	-	-
14	CLA	c3	518	X	-	-	-
14	CLA	c3	519	X	-	-	-
14	CLA	c4	501	X	-	-	-
14	CLA	c4	502	X	-	-	-
14	CLA	c4	503	X	-	-	-
14	CLA	c4	504	X	-	-	-
14	CLA	c4	505	X	-	-	-
14	CLA	c4	506	X	-	-	-
14	CLA	c4	507	X	-	-	-
14	CLA	c4	508	X	-	-	-
14	CLA	c4	509	X	-	-	-
14	CLA	c4	510	X	-	-	-
14	CLA	c4	511	X	-	-	-
14	CLA	c4	512	X	-	-	-
14	CLA	c4	513	X	-	-	-
14	CLA	c4	516	X	-	-	-
14	CLA	c4	517	X	-	-	-
14	CLA	c4	518	X	-	-	-
14	CLA	c4	519	X	-	-	-
14	CLA	c5	501	X	-	-	-
14	CLA	c5	502	X	-	-	-
14	CLA	c5	503	X	-	-	-
14	CLA	c5	504	X	-	-	-
14	CLA	c5	505	X	-	-	-
14	CLA	c5	506	X	-	-	-
14	CLA	c5	507	X	-	-	-
14	CLA	c5	508	X	-	-	-
14	CLA	c5	509	X	-	-	-
14	CLA	c5	510	X	-	-	-
14	CLA	c5	511	X	-	-	-
14	CLA	c5	512	X	-	-	-
14	CLA	c5	513	X	-	-	-
14	CLA	c5	516	X	-	-	-
14	CLA	c5	517	X	-	-	-
14	CLA	c5	518	X	-	-	-
14	CLA	c5	519	X	-	-	-
14	CLA	c6	501	X	-	-	-
14	CLA	c6	502	X	-	-	-
14	CLA	c6	503	X	-	-	-
14	CLA	c6	504	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	c6	505	X	-	-	-
14	CLA	c6	506	X	-	-	-
14	CLA	c6	507	X	-	-	-
14	CLA	c6	508	X	-	-	-
14	CLA	c6	509	X	-	-	-
14	CLA	c6	510	X	-	-	-
14	CLA	c6	511	X	-	-	-
14	CLA	c6	512	X	-	-	-
14	CLA	c6	513	X	-	-	-
14	CLA	c6	516	X	-	-	-
14	CLA	c6	517	X	-	-	-
14	CLA	c6	518	X	-	-	-
14	CLA	c6	519	X	-	-	-
14	CLA	cA	1011	X	-	-	-
14	CLA	cA	1013	X	-	-	-
14	CLA	cA	1022	X	-	-	-
14	CLA	cA	1101	X	-	-	-
14	CLA	cA	1102	X	-	-	-
14	CLA	cA	1103	X	-	-	-
14	CLA	cA	1104	X	-	-	-
14	CLA	cA	1105	X	-	-	-
14	CLA	cA	1106	X	-	-	-
14	CLA	cA	1107	X	-	-	-
14	CLA	cA	1108	X	-	-	-
14	CLA	cA	1109	X	-	-	-
14	CLA	cA	1110	X	-	-	-
14	CLA	cA	1111	X	-	-	-
14	CLA	cA	1112	X	-	-	-
14	CLA	cA	1113	X	-	-	-
14	CLA	cA	1114	X	-	-	-
14	CLA	cA	1115	X	-	-	-
14	CLA	cA	1116	X	-	-	-
14	CLA	cA	1117	X	-	-	-
14	CLA	cA	1118	X	-	-	-
14	CLA	cA	1119	X	-	-	-
14	CLA	cA	1120	X	-	-	-
14	CLA	cA	1121	X	-	-	-
14	CLA	cA	1122	X	-	-	-
14	CLA	cA	1123	X	-	-	-
14	CLA	cA	1124	X	-	-	-
14	CLA	cA	1125	X	-	-	-
14	CLA	cA	1126	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	cA	1127	X	-	-	-
14	CLA	cA	1128	X	-	-	-
14	CLA	cA	1129	X	-	-	-
14	CLA	cA	1130	X	-	-	-
14	CLA	cA	1131	X	-	-	-
14	CLA	cA	1132	X	-	-	-
14	CLA	cA	1133	X	-	-	-
14	CLA	cA	1134	X	-	-	-
14	CLA	cA	1135	X	-	-	-
14	CLA	cA	1136	X	-	-	-
14	CLA	cA	1137	X	-	-	-
14	CLA	cA	1138	X	-	-	-
14	CLA	cA	1139	X	-	-	-
14	CLA	cA	1140	X	-	-	-
14	CLA	cA	1237	X	-	-	-
14	CLA	cA	1801	X	-	-	-
14	CLA	cB	1012	X	-	-	-
14	CLA	cB	1021	X	-	-	-
14	CLA	cB	1023	X	-	-	-
14	CLA	cB	1201	X	-	-	-
14	CLA	cB	1202	X	-	-	-
14	CLA	cB	1203	X	-	-	-
14	CLA	cB	1204	X	-	-	-
14	CLA	cB	1205	X	-	-	-
14	CLA	cB	1206	X	-	-	-
14	CLA	cB	1207	X	-	-	-
14	CLA	cB	1208	X	-	-	-
14	CLA	cB	1209	X	-	-	-
14	CLA	cB	1210	X	-	-	-
14	CLA	cB	1211	X	-	-	-
14	CLA	cB	1212	X	-	-	-
14	CLA	cB	1213	X	-	-	-
14	CLA	cB	1214	X	-	-	-
14	CLA	cB	1215	X	-	-	-
14	CLA	cB	1216	X	-	-	-
14	CLA	cB	1217	X	-	-	-
14	CLA	cB	1218	X	-	-	-
14	CLA	cB	1219	X	-	-	-
14	CLA	cB	1220	X	-	-	-
14	CLA	cB	1221	X	-	-	-
14	CLA	cB	1222	X	-	-	-
14	CLA	cB	1223	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	cB	1224	X	-	-	-
14	CLA	cB	1225	X	-	-	-
14	CLA	cB	1226	X	-	-	-
14	CLA	cB	1227	X	-	-	-
14	CLA	cB	1228	X	-	-	-
14	CLA	cB	1229	X	-	-	-
14	CLA	cB	1230	X	-	-	-
14	CLA	cB	1231	X	-	-	-
14	CLA	cB	1232	X	-	-	-
14	CLA	cB	1233	X	-	-	-
14	CLA	cB	1234	X	-	-	-
14	CLA	cB	1235	X	-	-	-
14	CLA	cB	1236	X	-	-	-
14	CLA	cB	1238	X	-	-	-
14	CLA	cB	1239	X	-	-	-
14	CLA	cF	1301	X	-	-	-
14	CLA	cJ	1302	X	-	-	-
14	CLA	cJ	1303	X	-	-	-
14	CLA	cK	1103	X	-	-	-
14	CLA	cK	1401	X	-	-	-
14	CLA	cL	1501	X	-	-	-
14	CLA	cL	1502	X	-	-	-
14	CLA	cL	1503	X	-	-	-
14	CLA	cX	1401	X	-	-	-
14	CLA	d	501	X	-	-	-
14	CLA	d	502	X	-	-	-
14	CLA	d	503	X	-	-	-
14	CLA	d	504	X	-	-	-
14	CLA	d	505	X	-	-	-
14	CLA	d	506	X	-	-	-
14	CLA	d	507	X	-	-	-
14	CLA	d	508	X	-	-	-
14	CLA	d	509	X	-	-	-
14	CLA	d	510	X	-	-	-
14	CLA	d	511	X	-	-	-
14	CLA	d	512	X	-	-	-
14	CLA	d	513	X	-	-	-
14	CLA	d	516	X	-	-	-
14	CLA	d	517	X	-	-	-
14	CLA	d	518	X	-	-	-
14	CLA	d	519	X	-	-	-
14	CLA	e	501	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	e	502	X	-	-	-
14	CLA	e	503	X	-	-	-
14	CLA	e	504	X	-	-	-
14	CLA	e	505	X	-	-	-
14	CLA	e	506	X	-	-	-
14	CLA	e	507	X	-	-	-
14	CLA	e	508	X	-	-	-
14	CLA	e	509	X	-	-	-
14	CLA	e	510	X	-	-	-
14	CLA	e	511	X	-	-	-
14	CLA	e	512	X	-	-	-
14	CLA	e	513	X	-	-	-
14	CLA	e	516	X	-	-	-
14	CLA	e	517	X	-	-	-
14	CLA	e	518	X	-	-	-
14	CLA	e	519	X	-	-	-
14	CLA	f	501	X	-	-	-
14	CLA	f	502	X	-	-	-
14	CLA	f	503	X	-	-	-
14	CLA	f	504	X	-	-	-
14	CLA	f	505	X	-	-	-
14	CLA	f	506	X	-	-	-
14	CLA	f	507	X	-	-	-
14	CLA	f	508	X	-	-	-
14	CLA	f	509	X	-	-	-
14	CLA	f	510	X	-	-	-
14	CLA	f	511	X	-	-	-
14	CLA	f	512	X	-	-	-
14	CLA	f	513	X	-	-	-
14	CLA	f	516	X	-	-	-
14	CLA	f	517	X	-	-	-
14	CLA	f	518	X	-	-	-
14	CLA	f	519	X	-	-	-
14	CLA	g	501	X	-	-	-
14	CLA	g	502	X	-	-	-
14	CLA	g	503	X	-	-	-
14	CLA	g	504	X	-	-	-
14	CLA	g	505	X	-	-	-
14	CLA	g	506	X	-	-	-
14	CLA	g	507	X	-	-	-
14	CLA	g	508	X	-	-	-
14	CLA	g	509	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	g	510	X	-	-	-
14	CLA	g	511	X	-	-	-
14	CLA	g	512	X	-	-	-
14	CLA	g	513	X	-	-	-
14	CLA	g	516	X	-	-	-
14	CLA	g	517	X	-	-	-
14	CLA	g	518	X	-	-	-
14	CLA	g	519	X	-	-	-
14	CLA	h	501	X	-	-	-
14	CLA	h	502	X	-	-	-
14	CLA	h	503	X	-	-	-
14	CLA	h	504	X	-	-	-
14	CLA	h	505	X	-	-	-
14	CLA	h	506	X	-	-	-
14	CLA	h	507	X	-	-	-
14	CLA	h	508	X	-	-	-
14	CLA	h	509	X	-	-	-
14	CLA	h	510	X	-	-	-
14	CLA	h	511	X	-	-	-
14	CLA	h	512	X	-	-	-
14	CLA	h	513	X	-	-	-
14	CLA	h	516	X	-	-	-
14	CLA	h	517	X	-	-	-
14	CLA	h	518	X	-	-	-
14	CLA	h	519	X	-	-	-
14	CLA	i	501	X	-	-	-
14	CLA	i	502	X	-	-	-
14	CLA	i	503	X	-	-	-
14	CLA	i	504	X	-	-	-
14	CLA	i	505	X	-	-	-
14	CLA	i	506	X	-	-	-
14	CLA	i	507	X	-	-	-
14	CLA	i	508	X	-	-	-
14	CLA	i	509	X	-	-	-
14	CLA	i	510	X	-	-	-
14	CLA	i	511	X	-	-	-
14	CLA	i	512	X	-	-	-
14	CLA	i	513	X	-	-	-
14	CLA	i	516	X	-	-	-
14	CLA	i	517	X	-	-	-
14	CLA	i	518	X	-	-	-
14	CLA	i	519	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	j	501	X	-	-	-
14	CLA	j	502	X	-	-	-
14	CLA	j	503	X	-	-	-
14	CLA	j	504	X	-	-	-
14	CLA	j	505	X	-	-	-
14	CLA	j	506	X	-	-	-
14	CLA	j	507	X	-	-	-
14	CLA	j	508	X	-	-	-
14	CLA	j	509	X	-	-	-
14	CLA	j	510	X	-	-	-
14	CLA	j	511	X	-	-	-
14	CLA	j	512	X	-	-	-
14	CLA	j	513	X	-	-	-
14	CLA	j	516	X	-	-	-
14	CLA	j	517	X	-	-	-
14	CLA	j	518	X	-	-	-
14	CLA	j	519	X	-	-	-
14	CLA	k	501	X	-	-	-
14	CLA	k	502	X	-	-	-
14	CLA	k	503	X	-	-	-
14	CLA	k	504	X	-	-	-
14	CLA	k	505	X	-	-	-
14	CLA	k	506	X	-	-	-
14	CLA	k	507	X	-	-	-
14	CLA	k	508	X	-	-	-
14	CLA	k	509	X	-	-	-
14	CLA	k	510	X	-	-	-
14	CLA	k	511	X	-	-	-
14	CLA	k	512	X	-	-	-
14	CLA	k	513	X	-	-	-
14	CLA	k	516	X	-	-	-
14	CLA	k	517	X	-	-	-
14	CLA	k	518	X	-	-	-
14	CLA	k	519	X	-	-	-
14	CLA	l	501	X	-	-	-
14	CLA	l	502	X	-	-	-
14	CLA	l	503	X	-	-	-
14	CLA	l	504	X	-	-	-
14	CLA	l	505	X	-	-	-
14	CLA	l	506	X	-	-	-
14	CLA	l	507	X	-	-	-
14	CLA	l	508	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	l	509	X	-	-	-
14	CLA	l	510	X	-	-	-
14	CLA	l	511	X	-	-	-
14	CLA	l	512	X	-	-	-
14	CLA	l	513	X	-	-	-
14	CLA	l	516	X	-	-	-
14	CLA	l	517	X	-	-	-
14	CLA	l	518	X	-	-	-
14	CLA	l	519	X	-	-	-
14	CLA	m	501	X	-	-	-
14	CLA	m	502	X	-	-	-
14	CLA	m	503	X	-	-	-
14	CLA	m	504	X	-	-	-
14	CLA	m	505	X	-	-	-
14	CLA	m	506	X	-	-	-
14	CLA	m	507	X	-	-	-
14	CLA	m	508	X	-	-	-
14	CLA	m	509	X	-	-	-
14	CLA	m	510	X	-	-	-
14	CLA	m	511	X	-	-	-
14	CLA	m	512	X	-	-	-
14	CLA	m	513	X	-	-	-
14	CLA	m	516	X	-	-	-
14	CLA	m	517	X	-	-	-
14	CLA	m	518	X	-	-	-
14	CLA	m	519	X	-	-	-
14	CLA	n	501	X	-	-	-
14	CLA	n	502	X	-	-	-
14	CLA	n	503	X	-	-	-
14	CLA	n	504	X	-	-	-
14	CLA	n	505	X	-	-	-
14	CLA	n	506	X	-	-	-
14	CLA	n	507	X	-	-	-
14	CLA	n	508	X	-	-	-
14	CLA	n	509	X	-	-	-
14	CLA	n	510	X	-	-	-
14	CLA	n	511	X	-	-	-
14	CLA	n	512	X	-	-	-
14	CLA	n	513	X	-	-	-
14	CLA	n	516	X	-	-	-
14	CLA	n	517	X	-	-	-
14	CLA	n	518	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	n	519	X	-	-	-
14	CLA	o	501	X	-	-	-
14	CLA	o	502	X	-	-	-
14	CLA	o	503	X	-	-	-
14	CLA	o	504	X	-	-	-
14	CLA	o	505	X	-	-	-
14	CLA	o	506	X	-	-	-
14	CLA	o	507	X	-	-	-
14	CLA	o	508	X	-	-	-
14	CLA	o	509	X	-	-	-
14	CLA	o	510	X	-	-	-
14	CLA	o	511	X	-	-	-
14	CLA	o	512	X	-	-	-
14	CLA	o	513	X	-	-	-
14	CLA	o	516	X	-	-	-
14	CLA	o	517	X	-	-	-
14	CLA	o	518	X	-	-	-
14	CLA	o	519	X	-	-	-
14	CLA	p	501	X	-	-	-
14	CLA	p	502	X	-	-	-
14	CLA	p	503	X	-	-	-
14	CLA	p	504	X	-	-	-
14	CLA	p	505	X	-	-	-
14	CLA	p	506	X	-	-	-
14	CLA	p	507	X	-	-	-
14	CLA	p	508	X	-	-	-
14	CLA	p	509	X	-	-	-
14	CLA	p	510	X	-	-	-
14	CLA	p	511	X	-	-	-
14	CLA	p	512	X	-	-	-
14	CLA	p	513	X	-	-	-
14	CLA	p	516	X	-	-	-
14	CLA	p	517	X	-	-	-
14	CLA	p	518	X	-	-	-
14	CLA	p	519	X	-	-	-
14	CLA	q	501	X	-	-	-
14	CLA	q	502	X	-	-	-
14	CLA	q	503	X	-	-	-
14	CLA	q	504	X	-	-	-
14	CLA	q	505	X	-	-	-
14	CLA	q	506	X	-	-	-
14	CLA	q	507	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	q	508	X	-	-	-
14	CLA	q	509	X	-	-	-
14	CLA	q	510	X	-	-	-
14	CLA	q	511	X	-	-	-
14	CLA	q	512	X	-	-	-
14	CLA	q	513	X	-	-	-
14	CLA	q	516	X	-	-	-
14	CLA	q	517	X	-	-	-
14	CLA	q	518	X	-	-	-
14	CLA	q	519	X	-	-	-

2 Entry composition [i](#)

There are 22 unique types of molecules in this entry. The entry contains 235011 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, the AltConf column contains the number of residues with at least one atom in alternate conformation and the Trace column contains the number of residues modelled with at most 2 atoms.

- Molecule 1 is a protein called Photosystem I P700 chlorophyll a apoprotein A1.

Mol	Chain	Residues	Atoms					AltConf	Trace
1	aA	745	Total	C	N	O	S	0	0
			5819	3818	994	981	26		
1	bA	745	Total	C	N	O	S	0	0
			5819	3818	994	981	26		
1	cA	745	Total	C	N	O	S	0	0
			5819	3818	994	981	26		

- Molecule 2 is a protein called Photosystem I P700 chlorophyll a apoprotein A2.

Mol	Chain	Residues	Atoms					AltConf	Trace
2	aB	740	Total	C	N	O	S	0	0
			5894	3878	988	1007	21		
2	bB	740	Total	C	N	O	S	0	0
			5894	3878	988	1007	21		
2	cB	740	Total	C	N	O	S	0	0
			5894	3878	988	1007	21		

- Molecule 3 is a protein called Photosystem I iron-sulfur center.

Mol	Chain	Residues	Atoms					AltConf	Trace
3	aC	80	Total	C	N	O	S	0	0
			598	367	103	117	11		
3	bC	80	Total	C	N	O	S	0	0
			598	367	103	117	11		
3	cC	80	Total	C	N	O	S	0	0
			598	367	103	117	11		

- Molecule 4 is a protein called Photosystem I reaction center subunit II.

Mol	Chain	Residues	Atoms					AltConf	Trace
4	aD	137	Total	C	N	O	S	0	0
			1068	678	185	202	3		

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Mol	Chain	Residues	Atoms					AltConf	Trace
4	bD	137	Total	C	N	O	S	0	0
			1068	678	185	202	3		
4	cD	137	Total	C	N	O	S	0	0
			1068	678	185	202	3		

- Molecule 5 is a protein called Photosystem I reaction center subunit IV.

Mol	Chain	Residues	Atoms					AltConf	Trace
5	aE	69	Total	C	N	O		0	0
			539	342	93	104			
5	bE	69	Total	C	N	O		0	0
			539	342	93	104			
5	cE	69	Total	C	N	O		0	0
			539	342	93	104			

- Molecule 6 is a protein called Photosystem I reaction center subunit III.

Mol	Chain	Residues	Atoms					AltConf	Trace
6	aF	141	Total	C	N	O	S	0	0
			1065	680	184	197	4		
6	bF	141	Total	C	N	O	S	0	0
			1065	680	184	197	4		
6	cF	141	Total	C	N	O	S	0	0
			1065	680	184	197	4		

- Molecule 7 is a protein called Photosystem I reaction center subunit VIII.

Mol	Chain	Residues	Atoms					AltConf	Trace
7	aI	38	Total	C	N	O	S	0	0
			301	208	40	48	5		
7	bI	38	Total	C	N	O	S	0	0
			301	208	40	48	5		
7	cI	38	Total	C	N	O	S	0	0
			301	208	40	48	5		

- Molecule 8 is a protein called Photosystem I reaction center subunit IX.

Mol	Chain	Residues	Atoms					AltConf	Trace
8	aJ	41	Total	C	N	O	S	0	0
			338	231	51	54	2		
8	bJ	41	Total	C	N	O	S	0	0
			338	231	51	54	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	cJ	41	Total	C	N	O	S	0	0
			338	231	51	54	2		

- Molecule 9 is a protein called Photosystem I reaction center subunit Psak.

Mol	Chain	Residues	Atoms					AltConf	Trace
9	aK	62	Total	C	N	O	S	0	0
			452	298	71	82	1		
9	bK	62	Total	C	N	O	S	0	0
			452	298	71	82	1		
9	cK	62	Total	C	N	O	S	0	0
			452	298	71	82	1		

- Molecule 10 is a protein called Photosystem I reaction center subunit XI.

Mol	Chain	Residues	Atoms					AltConf	Trace
10	aL	152	Total	C	N	O	S	0	0
			1126	737	180	205	4		
10	bL	152	Total	C	N	O	S	0	0
			1126	737	180	205	4		
10	cL	152	Total	C	N	O	S	0	0
			1126	737	180	205	4		

- Molecule 11 is a protein called Photosystem I reaction center subunit XII.

Mol	Chain	Residues	Atoms					AltConf	Trace
11	aM	31	Total	C	N	O	S	0	0
			241	161	36	43	1		
11	bM	31	Total	C	N	O	S	0	0
			241	161	36	43	1		
11	cM	31	Total	C	N	O	S	0	0
			241	161	36	43	1		

- Molecule 12 is a protein called Photosystem I 4.8K protein.

Mol	Chain	Residues	Atoms				AltConf	Trace
12	aX	29	Total	C	N	O	0	0
			243	172	35	36		
12	bX	29	Total	C	N	O	0	0
			243	172	35	36		
12	cX	29	Total	C	N	O	0	0
			243	172	35	36		

- Molecule 13 is a protein called Iron stress-induced chlorophyll-binding protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
13	a1	340	Total	C	N	O	S	0	0
			2665	1780	438	443	4		
13	a2	339	Total	C	N	O	S	0	0
			2657	1774	437	442	4		
13	a3	343	Total	C	N	O	S	0	0
			2685	1792	442	447	4		
13	a4	343	Total	C	N	O	S	0	0
			2685	1792	442	447	4		
13	a5	342	Total	C	N	O	S	0	0
			2680	1789	441	446	4		
13	a6	341	Total	C	N	O	S	0	0
			2673	1784	440	445	4		
13	b1	342	Total	C	N	O	S	0	0
			2680	1789	441	446	4		
13	b2	341	Total	C	N	O	S	0	0
			2673	1784	440	445	4		
13	b3	342	Total	C	N	O	S	0	0
			2680	1789	441	446	4		
13	b4	343	Total	C	N	O	S	0	0
			2685	1792	442	447	4		
13	b5	340	Total	C	N	O	S	0	0
			2665	1780	438	443	4		
13	b6	339	Total	C	N	O	S	0	0
			2657	1774	437	442	4		
13	c1	341	Total	C	N	O	S	0	0
			2673	1784	440	445	4		
13	c2	340	Total	C	N	O	S	0	0
			2665	1780	438	443	4		
13	c3	342	Total	C	N	O	S	0	0
			2680	1789	441	446	4		
13	c4	342	Total	C	N	O	S	0	0
			2680	1789	441	446	4		
13	c5	341	Total	C	N	O	S	0	0
			2673	1784	440	445	4		
13	c6	339	Total	C	N	O	S	0	0
			2657	1774	437	442	4		
13	S	341	Total	C	N	O	S	0	0
			2674	1786	440	444	4		
13	T	340	Total	C	N	O	S	0	0
			2665	1780	438	443	4		
13	U	340	Total	C	N	O	S	0	0
			2667	1781	439	443	4		

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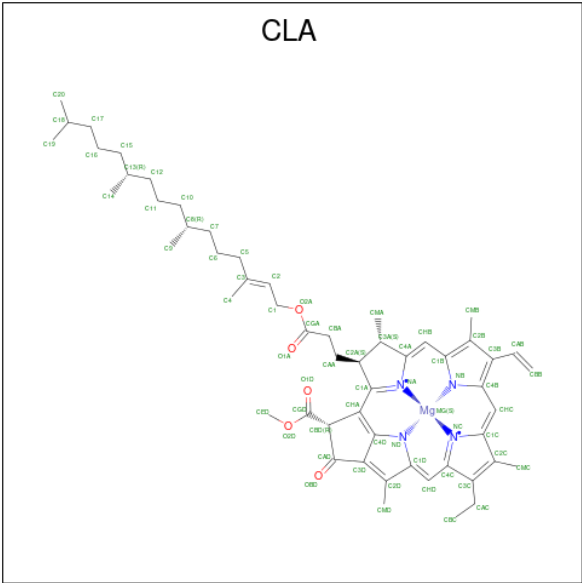
Mol	Chain	Residues	Atoms					AltConf	Trace
13	V	341	Total	C	N	O	S	0	0
			2674	1786	440	444	4		
13	W	342	Total	C	N	O	S	0	0
			2680	1789	441	446	4		
13	X	343	Total	C	N	O	S	0	0
			2687	1795	442	446	4		
13	Y	342	Total	C	N	O	S	0	0
			2680	1789	441	446	4		
13	Z	340	Total	C	N	O	S	0	0
			2667	1781	439	443	4		
13	a	341	Total	C	N	O	S	0	0
			2673	1784	440	445	4		
13	b	342	Total	C	N	O	S	0	0
			2680	1789	441	446	4		
13	c	341	Total	C	N	O	S	0	0
			2674	1786	440	444	4		
13	d	341	Total	C	N	O	S	0	0
			2674	1786	440	444	4		
13	e	342	Total	C	N	O	S	0	0
			2680	1789	441	446	4		
13	f	341	Total	C	N	O	S	0	0
			2674	1786	440	444	4		
13	g	341	Total	C	N	O	S	0	0
			2673	1784	440	445	4		
13	h	341	Total	C	N	O	S	0	0
			2673	1784	440	445	4		
13	i	340	Total	C	N	O	S	0	0
			2667	1781	439	443	4		
13	j	339	Total	C	N	O	S	0	0
			2659	1777	437	441	4		
13	k	340	Total	C	N	O	S	0	0
			2667	1781	439	443	4		
13	l	340	Total	C	N	O	S	0	0
			2667	1781	439	443	4		
13	m	341	Total	C	N	O	S	0	0
			2674	1786	440	444	4		
13	n	340	Total	C	N	O	S	0	0
			2667	1781	439	443	4		
13	o	341	Total	C	N	O	S	0	0
			2674	1786	440	444	4		
13	p	339	Total	C	N	O	S	0	0
			2659	1777	437	441	4		

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Mol	Chain	Residues	Atoms					AltConf	Trace
13	q	343	Total	C	N	O	S	0	0
			2685	1792	442	447	4		

- Molecule 14 is CHLOROPHYLL A (CCD ID: CLA) (formula: C₅₅H₇₂MgN₄O₅).



Mol	Chain	Residues	Atoms					AltConf
14	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	aA	1	Total	C	Mg	N	O	0
			53	43	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			48	38	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			56	46	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			53	43	1	4	5	
14	aA	1	Total	C	Mg	N	O	0
			55	45	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	aA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aA	1	Total 57	C 47	Mg 1	N 4	O 5	0
14	aA	1	Total 51	C 41	Mg 1	N 4	O 5	0
14	aA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aA	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	aA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aA	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	aA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aA	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	aA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aB	1	Total 62	C 52	Mg 1	N 4	O 5	0
14	aB	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aB	1	Total 57	C 47	Mg 1	N 4	O 5	0
14	aB	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aB	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aB	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aB	1	Total 60	C 50	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
14	aB	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aB	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aB	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aB	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	aB	1	Total 53	C 43	Mg 1	N 4	O 5	0
14	aB	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aB	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aB	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	aB	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aB	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aB	1	Total 61	C 51	Mg 1	N 4	O 5	0
14	aB	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	aB	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	aB	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	aB	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	aB	1	Total 50	C 40	Mg 1	N 4	O 5	0
14	aB	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	aB	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	aB	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aB	1	Total 57	C 47	Mg 1	N 4	O 5	0
14	aB	1	Total 65	C 55	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
14	aB	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aB	1	Total 54	C 44	Mg 1	N 4	O 5	0
14	aB	1	Total 56	C 46	Mg 1	N 4	O 5	0
14	aB	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aB	1	Total 58	C 48	Mg 1	N 4	O 5	0
14	aB	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	aB	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	aB	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aB	1	Total 50	C 40	Mg 1	N 4	O 5	0
14	aB	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aB	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aB	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	aB	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	aF	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	aJ	1	Total 49	C 39	Mg 1	N 4	O 5	0
14	aJ	1	Total 57	C 47	Mg 1	N 4	O 5	0
14	aK	1	Total 41	C 33	Mg 1	N 4	O 3	0
14	aK	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	aL	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	aL	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	aL	1	Total 65	C 55	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
14	aX	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	a1	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	a1	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	a1	1	Total 63	C 53	Mg 1	N 4	O 5	0
14	a1	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	a1	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	a1	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	a1	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	a1	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	a1	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	a1	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	a1	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	a1	1	Total 53	C 43	Mg 1	N 4	O 5	0
14	a1	1	Total 50	C 40	Mg 1	N 4	O 5	0
14	a1	1	Total 58	C 48	Mg 1	N 4	O 5	0
14	a1	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	a1	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	a1	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	a2	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	a2	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	a2	1	Total 65	C 55	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
14	a2	1	Total	C	Mg	N	O	0
			47	37	1	4	5	
14	a2	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a2	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a2	1	Total	C	Mg	N	O	0
			61	51	1	4	5	
14	a2	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	a2	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a2	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a2	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
14	a2	1	Total	C	Mg	N	O	0
			53	43	1	4	5	
14	a2	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a2	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a2	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a2	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	a2	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	a3	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a3	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	a3	1	Total	C	Mg	N	O	0
			63	53	1	4	5	
14	a3	1	Total	C	Mg	N	O	0
			58	48	1	4	5	
14	a3	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a3	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a3	1	Total	C	Mg	N	O	0
			62	52	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	a3	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	a3	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a3	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a3	1	Total	C	Mg	N	O	0
			62	52	1	4	5	
14	a3	1	Total	C	Mg	N	O	0
			53	43	1	4	5	
14	a3	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	a3	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a3	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a3	1	Total	C	Mg	N	O	0
			59	49	1	4	5	
14	a3	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	a4	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a4	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	a4	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a4	1	Total	C	Mg	N	O	0
			53	43	1	4	5	
14	a4	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	a4	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a4	1	Total	C	Mg	N	O	0
			62	52	1	4	5	
14	a4	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a4	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a4	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a4	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	a4	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a4	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	a4	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a4	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a4	1	Total	C	Mg	N	O	0
			57	47	1	4	5	
14	a4	1	Total	C	Mg	N	O	0
			52	42	1	4	5	
14	a5	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a5	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	a5	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a5	1	Total	C	Mg	N	O	0
			52	42	1	4	5	
14	a5	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a5	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a5	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	a5	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	a5	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a5	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a5	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a5	1	Total	C	Mg	N	O	0
			52	42	1	4	5	
14	a5	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	a5	1	Total	C	Mg	N	O	0
			47	37	1	4	5	
14	a5	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	a5	1	Total	C	Mg	N	O	0
			57	47	1	4	5	
14	a5	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
14	a6	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a6	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	a6	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a6	1	Total	C	Mg	N	O	0
			62	52	1	4	5	
14	a6	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a6	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a6	1	Total	C	Mg	N	O	0
			62	52	1	4	5	
14	a6	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	a6	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a6	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a6	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a6	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a6	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	a6	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a6	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	a6	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	bA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	bA	1	Total	C	Mg	N	O	0
			60	50	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	bA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	bA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	bA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	bA	1	Total 53	C 43	Mg 1	N 4	O 5	0
14	bA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	bA	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	bA	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	bA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	bA	1	Total 53	C 43	Mg 1	N 4	O 5	0
14	bA	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	bA	1	Total 48	C 38	Mg 1	N 4	O 5	0
14	bA	1	Total 50	C 40	Mg 1	N 4	O 5	0
14	bA	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	bA	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	bA	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	bA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	bA	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	bA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	bA	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	bA	1	Total 52	C 42	Mg 1	N 4	O 5	0
14	bA	1	Total 60	C 50	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
14	bA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	bA	1	Total 56	C 46	Mg 1	N 4	O 5	0
14	bA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	bA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	bA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	bA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	bA	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	bA	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	bA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	bA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	bA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	bA	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	bA	1	Total 51	C 41	Mg 1	N 4	O 5	0
14	bA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	bA	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	bA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	bA	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	bA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	bA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	bA	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	bA	1	Total 65	C 55	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
14	bA	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			61	51	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			57	47	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			53	43	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			55	45	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	bB	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			57	47	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			56	46	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			58	48	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	bB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	bF	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	bJ	1	Total 47	C 37	Mg 1	N 4	O 5	0
14	bJ	1	Total 57	C 47	Mg 1	N 4	O 5	0
14	bK	1	Total 41	C 33	Mg 1	N 4	O 3	0
14	bK	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	bL	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	bL	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	bL	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	bX	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	b1	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	b1	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	b1	1	Total 63	C 53	Mg 1	N 4	O 5	0
14	b1	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	b1	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	b1	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	b1	1	Total 61	C 51	Mg 1	N 4	O 5	0
14	b1	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	b1	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	b1	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	b1	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	b1	1	Total 53	C 43	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
14	b1	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	b1	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b1	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b1	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	b1	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b2	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b2	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	b2	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b2	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b2	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b2	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b2	1	Total	C	Mg	N	O	0
			63	53	1	4	5	
14	b2	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	b2	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b2	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b2	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
14	b2	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	b2	1	Total	C	Mg	N	O	0
			47	37	1	4	5	
14	b2	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b2	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b2	1	Total	C	Mg	N	O	0
			55	45	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	b2	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	b3	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b3	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	b3	1	Total	C	Mg	N	O	0
			63	53	1	4	5	
14	b3	1	Total	C	Mg	N	O	0
			57	47	1	4	5	
14	b3	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b3	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b3	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	b3	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	b3	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b3	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b3	1	Total	C	Mg	N	O	0
			62	52	1	4	5	
14	b3	1	Total	C	Mg	N	O	0
			53	43	1	4	5	
14	b3	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	b3	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b3	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b3	1	Total	C	Mg	N	O	0
			56	46	1	4	5	
14	b3	1	Total	C	Mg	N	O	0
			52	42	1	4	5	
14	b4	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b4	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	b4	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	b4	1	Total	C	Mg	N	O	0
			53	43	1	4	5	
14	b4	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	b4	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b4	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	b4	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	b4	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b4	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b4	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b4	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b4	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b4	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b4	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b4	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	b4	1	Total	C	Mg	N	O	0
			52	42	1	4	5	
14	b5	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b5	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	b5	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b5	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	b5	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b5	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b5	1	Total	C	Mg	N	O	0
			61	51	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	b5	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	b5	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b5	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b5	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	b5	1	Total	C	Mg	N	O	0
			52	42	1	4	5	
14	b5	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	b5	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
14	b5	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b5	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	b5	1	Total	C	Mg	N	O	0
			52	42	1	4	5	
14	b6	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b6	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	b6	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b6	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	b6	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b6	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b6	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	b6	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
14	b6	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b6	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b6	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	b6	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	b6	1	Total 50	C 40	Mg 1	N 4	O 5	0
14	b6	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	b6	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	b6	1	Total 50	C 40	Mg 1	N 4	O 5	0
14	b6	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	cA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	cA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	cA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	cA	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	cA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	cA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	cA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	cA	1	Total 51	C 41	Mg 1	N 4	O 5	0
14	cA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	cA	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	cA	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	cA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	cA	1	Total 53	C 43	Mg 1	N 4	O 5	0
14	cA	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	cA	1	Total 48	C 38	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
14	cA	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	cA	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	cA	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	cA	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	cA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	cA	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	cA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	cA	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	cA	1	Total 51	C 41	Mg 1	N 4	O 5	0
14	cA	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	cA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	cA	1	Total 56	C 46	Mg 1	N 4	O 5	0
14	cA	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	cA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	cA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	cA	1	Total 52	C 42	Mg 1	N 4	O 5	0
14	cA	1	Total 52	C 42	Mg 1	N 4	O 5	0
14	cA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	cA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	cA	1	Total 65	C 55	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
14	cA	1	Total 51	C 41	Mg 1	N 4	O 5	0
14	cA	1	Total 51	C 41	Mg 1	N 4	O 5	0
14	cA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	cA	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	cA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	cA	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	cA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	cA	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	cA	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	cB	1	Total 62	C 52	Mg 1	N 4	O 5	0
14	cB	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	cB	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	cB	1	Total 57	C 47	Mg 1	N 4	O 5	0
14	cB	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	cB	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	cB	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	cB	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	cB	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	cB	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	cB	1	Total 52	C 42	Mg 1	N 4	O 5	0
14	cB	1	Total 53	C 43	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
14	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			61	51	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			56	46	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			52	42	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			47	37	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			58	48	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			58	48	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	cB	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	cB	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	cF	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	cJ	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
14	cJ	1	Total	C	Mg	N	O	0
			57	47	1	4	5	
14	cK	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
14	cK	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	cL	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	cL	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	cL	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	cX	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c1	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	c1	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	c1	1	Total	C	Mg	N	O	0
			63	53	1	4	5	
14	c1	1	Total	C	Mg	N	O	0
			55	45	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	c1	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	c1	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c1	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	c1	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	c1	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	c1	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	c1	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	c1	1	Total	C	Mg	N	O	0
			53	43	1	4	5	
14	c1	1	Total	C	Mg	N	O	0
			52	42	1	4	5	
14	c1	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	c1	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c1	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	c1	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c2	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	c2	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	c2	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	c2	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c2	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	c2	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c2	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	c2	1	Total	C	Mg	N	O	0
			55	45	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	c2	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	c2	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	c2	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	c2	1	Total 52	C 42	Mg 1	N 4	O 5	0
14	c2	1	Total 46	C 36	Mg 1	N 4	O 5	0
14	c2	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	c2	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	c2	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	c2	1	Total 50	C 40	Mg 1	N 4	O 5	0
14	c3	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	c3	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	c3	1	Total 63	C 53	Mg 1	N 4	O 5	0
14	c3	1	Total 56	C 46	Mg 1	N 4	O 5	0
14	c3	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	c3	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	c3	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	c3	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	c3	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	c3	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	c3	1	Total 62	C 52	Mg 1	N 4	O 5	0
14	c3	1	Total 52	C 42	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
14	c3	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	c3	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c3	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c3	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	c3	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c4	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	c4	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	c4	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	c4	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c4	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	c4	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c4	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	c4	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	c4	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	c4	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	c4	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c4	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c4	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c4	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c4	1	Total	C	Mg	N	O	0
			56	46	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	c4	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
14	c5	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	c5	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	c5	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	c5	1	Total	C	Mg	N	O	0
			57	47	1	4	5	
14	c5	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	c5	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c5	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	c5	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	c5	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	c5	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	c5	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c5	1	Total	C	Mg	N	O	0
			52	42	1	4	5	
14	c5	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	c5	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c5	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c5	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	c5	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
14	c6	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	c6	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	c6	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	c6	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	c6	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	c6	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	c6	1	Total 57	C 47	Mg 1	N 4	O 5	0
14	c6	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	c6	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	c6	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	c6	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	c6	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	c6	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	c6	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	c6	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	c6	1	Total 50	C 40	Mg 1	N 4	O 5	0
14	c6	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	S	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	S	1	Total 46	C 36	Mg 1	N 4	O 5	0
14	S	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	S	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	S	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	S	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	S	1	Total 47	C 37	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
14	S	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
14	S	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	S	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	S	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	S	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	S	1	Total	C	Mg	N	O	0
			47	37	1	4	5	
14	S	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	S	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	S	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
14	S	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	T	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	T	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	T	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	T	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	T	1	Total	C	Mg	N	O	0
			52	42	1	4	5	
14	T	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	T	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	T	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	T	1	Total	C	Mg	N	O	0
			61	51	1	4	5	
14	T	1	Total	C	Mg	N	O	0
			56	46	1	4	5	
14	T	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	T	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	T	1	Total 50	C 40	Mg 1	N 4	O 5	0
14	T	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	T	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	T	1	Total 50	C 40	Mg 1	N 4	O 5	0
14	T	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	U	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	U	1	Total 57	C 47	Mg 1	N 4	O 5	0
14	U	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	U	1	Total 50	C 40	Mg 1	N 4	O 5	0
14	U	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	U	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	U	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	U	1	Total 50	C 40	Mg 1	N 4	O 5	0
14	U	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	U	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	U	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	U	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	U	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	U	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	U	1	Total 45	C 35	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
14	U	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	U	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	V	1	Total	C	Mg	N	O	0
			62	52	1	4	5	
14	V	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	V	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	V	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	V	1	Total	C	Mg	N	O	0
			62	52	1	4	5	
14	V	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	V	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	V	1	Total	C	Mg	N	O	0
			52	42	1	4	5	
14	V	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	V	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	V	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	V	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	V	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	V	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	V	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	V	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	W	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	W	1	Total	C	Mg	N	O	0
			60	50	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	W	1	Total 63	C 53	Mg 1	N 4	O 5	0
14	W	1	Total 52	C 42	Mg 1	N 4	O 5	0
14	W	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	W	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	W	1	Total 51	C 41	Mg 1	N 4	O 5	0
14	W	1	Total 51	C 41	Mg 1	N 4	O 5	0
14	W	1	Total 62	C 52	Mg 1	N 4	O 5	0
14	W	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	W	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	W	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	W	1	Total 50	C 40	Mg 1	N 4	O 5	0
14	W	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	W	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	W	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	W	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	X	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	X	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	X	1	Total 63	C 53	Mg 1	N 4	O 5	0
14	X	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	X	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	X	1	Total 45	C 35	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
14	X	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	X	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	X	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	X	1	Total 62	C 52	Mg 1	N 4	O 5	0
14	X	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	X	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	X	1	Total 46	C 36	Mg 1	N 4	O 5	0
14	X	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	X	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	X	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	X	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	Y	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	Y	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	Y	1	Total 63	C 53	Mg 1	N 4	O 5	0
14	Y	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	Y	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	Y	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	Y	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	Y	1	Total 52	C 42	Mg 1	N 4	O 5	0
14	Y	1	Total 62	C 52	Mg 1	N 4	O 5	0
14	Y	1	Total 65	C 55	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
14	Y	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	Y	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	Y	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	Y	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	Y	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	Y	1	Total 56	C 46	Mg 1	N 4	O 5	0
14	Y	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	Z	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	Z	1	Total 56	C 46	Mg 1	N 4	O 5	0
14	Z	1	Total 61	C 51	Mg 1	N 4	O 5	0
14	Z	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	Z	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	Z	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	Z	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	Z	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	Z	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	Z	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	Z	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	Z	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	Z	1	Total 50	C 40	Mg 1	N 4	O 5	0
14	Z	1	Total 45	C 35	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
14	Z	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	Z	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	Z	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	a	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	a	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	a	1	Total 63	C 53	Mg 1	N 4	O 5	0
14	a	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	a	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	a	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	a	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	a	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	a	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	a	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	a	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	a	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	a	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	a	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	a	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	a	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	b	1	Total 45	C 35	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
14	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			57	47	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			62	52	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c	1	Total	C	Mg	N	O	0
			52	42	1	4	5	
14	c	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	c	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	c	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	c	1	Total	C	Mg	N	O	0
			62	52	1	4	5	
14	c	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	c	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	c	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	d	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	d	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	d	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	d	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	d	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	d	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	d	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	d	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	d	1	Total	C	Mg	N	O	0
			62	52	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	d	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	d	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	d	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	d	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	d	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	d	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	d	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	d	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	e	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	e	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	e	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	e	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	e	1	Total	C	Mg	N	O	0
			62	52	1	4	5	
14	e	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	e	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	e	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	e	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	e	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	e	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	e	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	e	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	e	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	e	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	e	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	e	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	f	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	f	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	f	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	f	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	f	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	f	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	f	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	f	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	f	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	f	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	f	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	f	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	f	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	f	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	f	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	f	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	f	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	f	1	Total 45	C 35	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
14	g	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	g	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	g	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	g	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	g	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	g	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	g	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	g	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	g	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	g	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	g	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	g	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	g	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	g	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	g	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	g	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	g	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	h	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	h	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	h	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	h	1	Total 45	C 35	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
14	h	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	h	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	h	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	h	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	h	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	h	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	h	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	h	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	h	1	Total 50	C 40	Mg 1	N 4	O 5	0
14	h	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	h	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	h	1	Total 47	C 37	Mg 1	N 4	O 5	0
14	h	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	i	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	i	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	i	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	i	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	i	1	Total 55	C 45	Mg 1	N 4	O 5	0
14	i	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	i	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	i	1	Total 45	C 35	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
14	i	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	i	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	i	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	i	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	i	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	i	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	i	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	i	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	j	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	j	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	j	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	j	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	j	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	j	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	j	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	j	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	j	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	j	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	j	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	j	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	j	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	j	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	j	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	k	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
14	k	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	k	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	k	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	k	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	k	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	k	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	k	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	k	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	k	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	k	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	k	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	k	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	k	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	k	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	l	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	l	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	l	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	l	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	l	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	l	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	l	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	l	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
14	l	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	l	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	l	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	l	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	l	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	l	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	l	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	l	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	m	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	m	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	m	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	m	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	m	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
14	m	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	m	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	m	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	m	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	m	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	m	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	m	1	Total	C	Mg	N	O	0
			52	42	1	4	5	
14	m	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	m	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	m	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	m	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			57	47	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	n	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	n	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	n	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	n	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	n	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	n	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	n	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	n	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	n	1	Total 47	C 37	Mg 1	N 4	O 5	0
14	n	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	o	1	Total 46	C 36	Mg 1	N 4	O 5	0
14	o	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	o	1	Total 62	C 52	Mg 1	N 4	O 5	0
14	o	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	o	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	o	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	o	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	o	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	o	1	Total 56	C 46	Mg 1	N 4	O 5	0
14	o	1	Total 45	C 35	Mg 1	N 4	O 5	0

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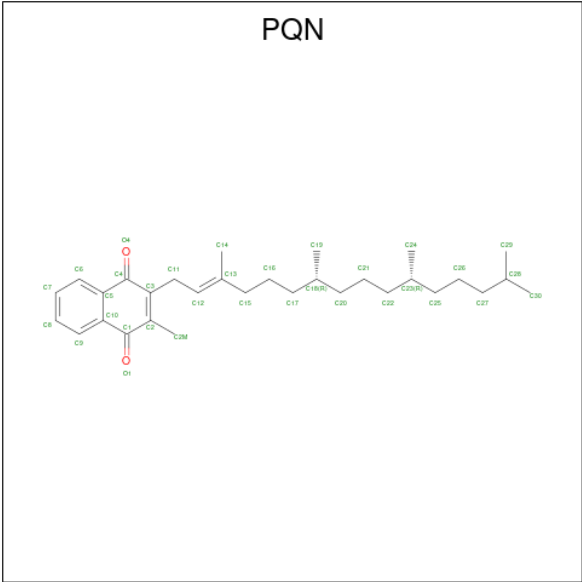
Mol	Chain	Residues	Atoms					AltConf
14	o	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	o	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	o	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	o	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	o	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	o	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	p	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	p	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	p	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	p	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	p	1	Total	C	Mg	N	O	0
			47	37	1	4	5	
14	p	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	p	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	p	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	p	1	Total	C	Mg	N	O	0
			62	52	1	4	5	
14	p	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
14	p	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	p	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	p	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	p	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	p	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	p	1	Total	C	Mg	N	O	0
			48	38	1	4	5	
14	p	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	q	1	Total	C	Mg	N	O	0
			57	47	1	4	5	
14	q	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	q	1	Total	C	Mg	N	O	0
			62	52	1	4	5	
14	q	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	q	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	q	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	q	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	q	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	q	1	Total	C	Mg	N	O	0
			62	52	1	4	5	
14	q	1	Total	C	Mg	N	O	0
			62	52	1	4	5	
14	q	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	q	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	q	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	q	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	q	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	q	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

- Molecule 15 is PHYLLOQUINONE (CCD ID: PQN) (formula: $C_{31}H_{46}O_2$).



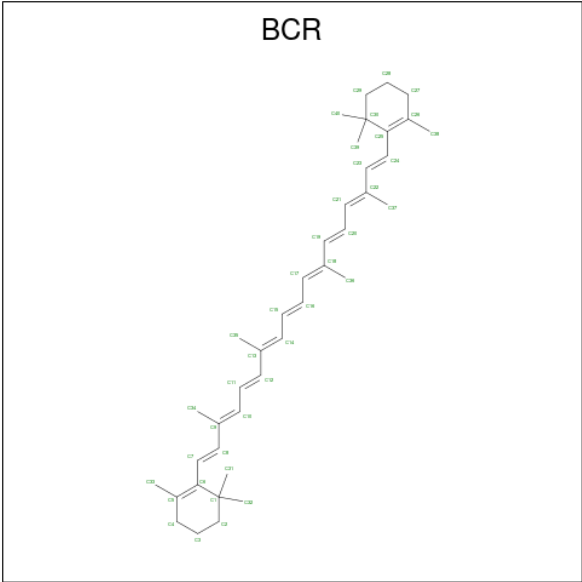
Mol	Chain	Residues	Atoms			AltConf
15	aA	1	Total	C	O	0
			33	31	2	
15	aB	1	Total	C	O	0
			33	31	2	
15	bA	1	Total	C	O	0
			33	31	2	
15	bB	1	Total	C	O	0
			33	31	2	
15	cA	1	Total	C	O	0
			33	31	2	
15	cB	1	Total	C	O	0
			33	31	2	

- Molecule 16 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe₄S₄).



Mol	Chain	Residues	Atoms			AltConf
16	aA	1	Total	Fe	S	0
			8	4	4	
16	aC	1	Total	Fe	S	0
			8	4	4	
16	aC	1	Total	Fe	S	0
			8	4	4	
16	bA	1	Total	Fe	S	0
			8	4	4	
16	bC	1	Total	Fe	S	0
			8	4	4	
16	bC	1	Total	Fe	S	0
			8	4	4	
16	cA	1	Total	Fe	S	0
			8	4	4	
16	cC	1	Total	Fe	S	0
			8	4	4	
16	cC	1	Total	Fe	S	0
			8	4	4	

- Molecule 17 is BETA-CAROTENE (CCD ID: BCR) (formula: C₄₀H₅₆).



Mol	Chain	Residues	Atoms		AltConf
17	aA	1	Total	C	0
			40	40	
17	aA	1	Total	C	0
			40	40	
17	aA	1	Total	C	0
			40	40	
17	aA	1	Total	C	0
			40	40	
17	aA	1	Total	C	0
			40	40	
17	aB	1	Total	C	0
			40	40	
17	aB	1	Total	C	0
			40	40	
17	aB	1	Total	C	0
			40	40	
17	aB	1	Total	C	0
			40	40	
17	aB	1	Total	C	0
			40	40	
17	aF	1	Total	C	0
			40	40	
17	aF	1	Total	C	0
			40	40	
17	aF	1	Total	C	0
			40	40	

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Mol	Chain	Residues	Atoms	AltConf
17	aI	1	Total C 40 40	0
17	aI	1	Total C 40 40	0
17	aI	1	Total C 40 40	0
17	aJ	1	Total C 40 40	0
17	aJ	1	Total C 40 40	0
17	aK	1	Total C 40 40	0
17	aL	1	Total C 40 40	0
17	aM	1	Total C 40 40	0
17	a1	1	Total C 40 40	0
17	a1	1	Total C 40 40	0
17	a1	1	Total C 40 40	0
17	a1	1	Total C 40 40	0
17	a1	1	Total C 40 40	0
17	a2	1	Total C 40 40	0
17	a2	1	Total C 40 40	0
17	a2	1	Total C 40 40	0
17	a2	1	Total C 40 40	0
17	a3	1	Total C 40 40	0
17	a3	1	Total C 40 40	0
17	a3	1	Total C 40 40	0
17	a3	1	Total C 40 40	0
17	a4	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
17	a4	1	Total C 40 40	0
17	a4	1	Total C 40 40	0
17	a4	1	Total C 40 40	0
17	a5	1	Total C 40 40	0
17	a5	1	Total C 40 40	0
17	a5	1	Total C 40 40	0
17	a5	1	Total C 40 40	0
17	a6	1	Total C 40 40	0
17	a6	1	Total C 40 40	0
17	a6	1	Total C 40 40	0
17	a6	1	Total C 40 40	0
17	bA	1	Total C 40 40	0
17	bA	1	Total C 40 40	0
17	bA	1	Total C 40 40	0
17	bA	1	Total C 40 40	0
17	bA	1	Total C 40 40	0
17	bB	1	Total C 40 40	0
17	bB	1	Total C 40 40	0
17	bB	1	Total C 40 40	0
17	bB	1	Total C 40 40	0
17	bB	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
17	bB	1	Total C 40 40	0
17	bF	1	Total C 40 40	0
17	bF	1	Total C 40 40	0
17	bF	1	Total C 40 40	0
17	bI	1	Total C 40 40	0
17	bI	1	Total C 40 40	0
17	bI	1	Total C 40 40	0
17	bJ	1	Total C 40 40	0
17	bJ	1	Total C 40 40	0
17	bK	1	Total C 40 40	0
17	bL	1	Total C 40 40	0
17	bM	1	Total C 40 40	0
17	b1	1	Total C 40 40	0
17	b1	1	Total C 40 40	0
17	b1	1	Total C 40 40	0
17	b1	1	Total C 40 40	0
17	b2	1	Total C 40 40	0
17	b2	1	Total C 40 40	0
17	b2	1	Total C 40 40	0
17	b2	1	Total C 40 40	0
17	b3	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
17	b3	1	Total C 40 40	0
17	b3	1	Total C 40 40	0
17	b3	1	Total C 40 40	0
17	b4	1	Total C 40 40	0
17	b4	1	Total C 40 40	0
17	b4	1	Total C 40 40	0
17	b4	1	Total C 40 40	0
17	b5	1	Total C 40 40	0
17	b5	1	Total C 40 40	0
17	b5	1	Total C 40 40	0
17	b5	1	Total C 40 40	0
17	b6	1	Total C 40 40	0
17	b6	1	Total C 40 40	0
17	b6	1	Total C 40 40	0
17	b6	1	Total C 40 40	0
17	cA	1	Total C 40 40	0
17	cA	1	Total C 40 40	0
17	cA	1	Total C 40 40	0
17	cA	1	Total C 40 40	0
17	cA	1	Total C 40 40	0
17	cB	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
17	cB	1	Total C 40 40	0
17	cB	1	Total C 40 40	0
17	cB	1	Total C 40 40	0
17	cB	1	Total C 40 40	0
17	cB	1	Total C 40 40	0
17	cF	1	Total C 40 40	0
17	cF	1	Total C 40 40	0
17	cF	1	Total C 40 40	0
17	cI	1	Total C 40 40	0
17	cI	1	Total C 40 40	0
17	cI	1	Total C 40 40	0
17	cJ	1	Total C 40 40	0
17	cJ	1	Total C 40 40	0
17	cK	1	Total C 40 40	0
17	cL	1	Total C 40 40	0
17	cM	1	Total C 40 40	0
17	c1	1	Total C 40 40	0
17	c1	1	Total C 40 40	0
17	c1	1	Total C 40 40	0
17	c1	1	Total C 40 40	0
17	c2	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
17	c2	1	Total C 40 40	0
17	c2	1	Total C 40 40	0
17	c2	1	Total C 40 40	0
17	c3	1	Total C 40 40	0
17	c3	1	Total C 40 40	0
17	c3	1	Total C 40 40	0
17	c3	1	Total C 40 40	0
17	c4	1	Total C 40 40	0
17	c4	1	Total C 40 40	0
17	c4	1	Total C 40 40	0
17	c4	1	Total C 40 40	0
17	c4	1	Total C 40 40	0
17	c5	1	Total C 40 40	0
17	c5	1	Total C 40 40	0
17	c5	1	Total C 40 40	0
17	c5	1	Total C 40 40	0
17	c6	1	Total C 40 40	0
17	c6	1	Total C 40 40	0
17	c6	1	Total C 40 40	0
17	c6	1	Total C 40 40	0
17	S	1	Total C 40 40	0
17	S	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
17	S	1	Total C 40 40	0
17	S	1	Total C 40 40	0
17	T	1	Total C 40 40	0
17	T	1	Total C 40 40	0
17	T	1	Total C 40 40	0
17	T	1	Total C 40 40	0
17	U	1	Total C 40 40	0
17	U	1	Total C 40 40	0
17	U	1	Total C 40 40	0
17	U	1	Total C 40 40	0
17	V	1	Total C 40 40	0
17	V	1	Total C 40 40	0
17	V	1	Total C 40 40	0
17	V	1	Total C 40 40	0
17	W	1	Total C 40 40	0
17	W	1	Total C 40 40	0
17	W	1	Total C 40 40	0
17	W	1	Total C 40 40	0
17	X	1	Total C 40 40	0
17	X	1	Total C 40 40	0
17	X	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
17	X	1	Total C 40 40	0
17	Y	1	Total C 40 40	0
17	Y	1	Total C 40 40	0
17	Y	1	Total C 40 40	0
17	Y	1	Total C 40 40	0
17	Z	1	Total C 40 40	0
17	Z	1	Total C 40 40	0
17	Z	1	Total C 40 40	0
17	Z	1	Total C 40 40	0
17	a	1	Total C 40 40	0
17	a	1	Total C 40 40	0
17	a	1	Total C 40 40	0
17	a	1	Total C 40 40	0
17	b	1	Total C 40 40	0
17	b	1	Total C 40 40	0
17	b	1	Total C 40 40	0
17	b	1	Total C 40 40	0
17	c	1	Total C 40 40	0
17	c	1	Total C 40 40	0
17	c	1	Total C 40 40	0
17	c	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
17	d	1	Total C 40 40	0
17	d	1	Total C 40 40	0
17	d	1	Total C 40 40	0
17	d	1	Total C 40 40	0
17	e	1	Total C 40 40	0
17	e	1	Total C 40 40	0
17	e	1	Total C 40 40	0
17	e	1	Total C 40 40	0
17	f	1	Total C 40 40	0
17	f	1	Total C 40 40	0
17	f	1	Total C 40 40	0
17	f	1	Total C 40 40	0
17	f	1	Total C 40 40	0
17	g	1	Total C 40 40	0
17	g	1	Total C 40 40	0
17	g	1	Total C 40 40	0
17	g	1	Total C 40 40	0
17	h	1	Total C 40 40	0
17	h	1	Total C 40 40	0
17	h	1	Total C 40 40	0
17	h	1	Total C 40 40	0
17	i	1	Total C 40 40	0

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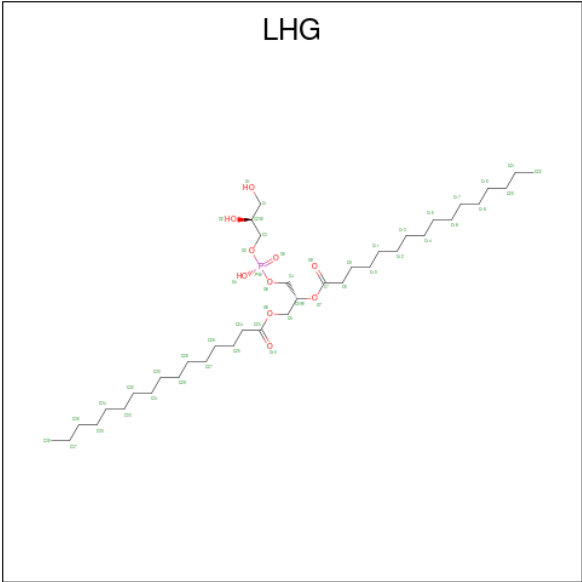
Mol	Chain	Residues	Atoms	AltConf
17	i	1	Total C 40 40	0
17	i	1	Total C 40 40	0
17	i	1	Total C 40 40	0
17	j	1	Total C 40 40	0
17	j	1	Total C 40 40	0
17	j	1	Total C 40 40	0
17	j	1	Total C 40 40	0
17	k	1	Total C 40 40	0
17	k	1	Total C 40 40	0
17	k	1	Total C 40 40	0
17	k	1	Total C 40 40	0
17	l	1	Total C 40 40	0
17	l	1	Total C 40 40	0
17	l	1	Total C 40 40	0
17	l	1	Total C 40 40	0
17	m	1	Total C 40 40	0
17	m	1	Total C 40 40	0
17	m	1	Total C 40 40	0
17	m	1	Total C 40 40	0
17	n	1	Total C 40 40	0
17	n	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
17	n	1	Total C 40 40	0
17	n	1	Total C 40 40	0
17	o	1	Total C 40 40	0
17	o	1	Total C 40 40	0
17	o	1	Total C 40 40	0
17	o	1	Total C 40 40	0
17	p	1	Total C 40 40	0
17	p	1	Total C 40 40	0
17	p	1	Total C 40 40	0
17	p	1	Total C 40 40	0
17	q	1	Total C 40 40	0
17	q	1	Total C 40 40	0
17	q	1	Total C 40 40	0
17	q	1	Total C 40 40	0

- Molecule 18 is 1,2-DIPALMITOYL-PHOSPHATIDYL-GLYCEROLE (CCD ID: LHG) (formula: C₃₈H₇₅O₁₀P).



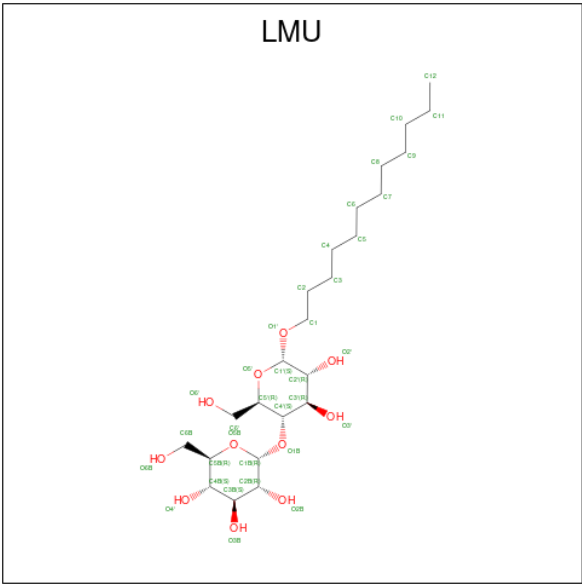
Mol	Chain	Residues	Atoms				AltConf
18	aA	1	Total	C	O	P	0
			48	37	10	1	
18	aA	1	Total	C	O	P	0
			41	30	10	1	
18	aA	1	Total	C	O	P	0
			41	30	10	1	
18	aA	1	Total	C	O	P	0
			33	22	10	1	
18	aA	1	Total	C	O	P	0
			45	34	10	1	
18	aX	1	Total	C	O	P	0
			39	28	10	1	
18	bA	1	Total	C	O	P	0
			49	38	10	1	
18	bA	1	Total	C	O	P	0
			42	31	10	1	
18	bA	1	Total	C	O	P	0
			41	30	10	1	
18	bA	1	Total	C	O	P	0
			39	28	10	1	
18	bA	1	Total	C	O	P	0
			39	28	10	1	
18	bX	1	Total	C	O	P	0
			39	28	10	1	
18	cA	1	Total	C	O	P	0
			48	37	10	1	
18	cA	1	Total	C	O	P	0
			42	31	10	1	

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Mol	Chain	Residues	Atoms				AltConf
18	cA	1	Total	C	O	P	0
			41	30	10	1	
18	cA	1	Total	C	O	P	0
			31	20	10	1	
18	cA	1	Total	C	O	P	0
			44	33	10	1	
18	cX	1	Total	C	O	P	0
			39	28	10	1	

- Molecule 19 is DODECYL-ALPHA-D-MALTOSIDE (CCD ID: LMU) (formula: C₂₄H₄₆O₁₁).



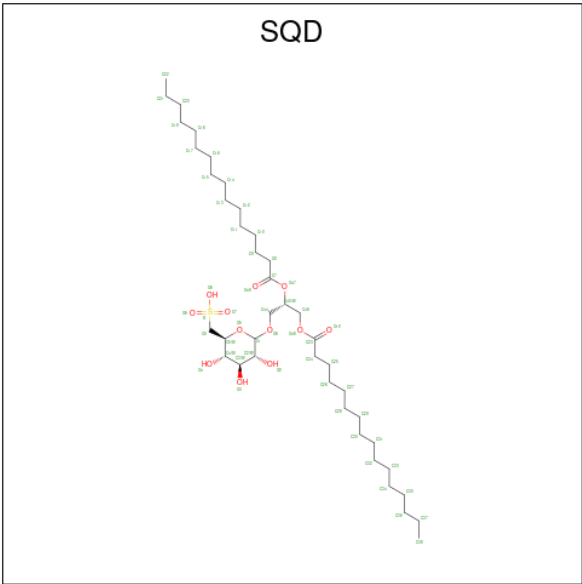
Mol	Chain	Residues	Atoms			AltConf
19	aA	1	Total	C	O	0
			24	18	6	
19	aA	1	Total	C	O	0
			23	17	6	
19	aB	1	Total	C	O	0
			35	24	11	
19	aJ	1	Total	C	O	0
			22	16	6	
19	bA	1	Total	C	O	0
			24	18	6	
19	bA	1	Total	C	O	0
			23	17	6	
19	bB	1	Total	C	O	0
			35	24	11	

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Mol	Chain	Residues	Atoms			AltConf
19	bJ	1	Total	C	O	0
			22	16	6	
19	cA	1	Total	C	O	0
			24	18	6	
19	cA	1	Total	C	O	0
			23	17	6	
19	cB	1	Total	C	O	0
			35	24	11	
19	cJ	1	Total	C	O	0
			21	15	6	

- Molecule 20 is 1,2-DI-O-ACYL-3-O-[6-DEOXY-6-SULFO-ALPHA-D-GLUCOPYRANOSYL]-SN-GLYCEROL (CCD ID: SQD) (formula: C₄₁H₇₈O₁₂S).



Mol	Chain	Residues	Atoms				AltConf
20	aB	1	Total	C	O	S	0
			42	29	12	1	
20	a1	1	Total	C	O	S	0
			31	18	12	1	
20	a2	1	Total	C	O	S	0
			33	20	12	1	
20	a3	1	Total	C	O	S	0
			38	25	12	1	
20	a4	1	Total	C	O	S	0
			36	23	12	1	
20	a5	1	Total	C	O	S	0
			33	20	12	1	

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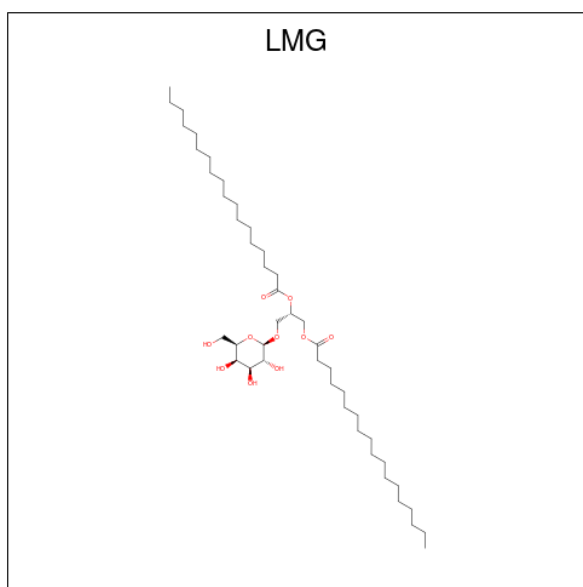
Mol	Chain	Residues	Atoms				AltConf
20	a6	1	Total 31	C 18	O 12	S 1	0
20	bB	1	Total 42	C 29	O 12	S 1	0
20	b1	1	Total 31	C 18	O 12	S 1	0
20	b2	1	Total 32	C 19	O 12	S 1	0
20	b3	1	Total 37	C 24	O 12	S 1	0
20	b4	1	Total 33	C 20	O 12	S 1	0
20	b5	1	Total 30	C 17	O 12	S 1	0
20	b6	1	Total 30	C 17	O 12	S 1	0
20	cB	1	Total 39	C 26	O 12	S 1	0
20	c1	1	Total 31	C 18	O 12	S 1	0
20	c2	1	Total 31	C 18	O 12	S 1	0
20	c3	1	Total 32	C 19	O 12	S 1	0
20	c4	1	Total 33	C 20	O 12	S 1	0
20	c5	1	Total 31	C 18	O 12	S 1	0
20	c6	1	Total 30	C 17	O 12	S 1	0
20	S	1	Total 31	C 18	O 12	S 1	0
20	T	1	Total 31	C 18	O 12	S 1	0
20	V	1	Total 31	C 18	O 12	S 1	0
20	W	1	Total 32	C 19	O 12	S 1	0
20	X	1	Total 36	C 23	O 12	S 1	0
20	Y	1	Total 33	C 20	O 12	S 1	0

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Mol	Chain	Residues	Atoms				AltConf
20	Z	1	Total	C	O	S	0
			29	16	12	1	
20	b	1	Total	C	O	S	0
			31	18	12	1	
20	c	1	Total	C	O	S	0
			31	18	12	1	
20	d	1	Total	C	O	S	0
			31	18	12	1	
20	e	1	Total	C	O	S	0
			32	19	12	1	
20	f	1	Total	C	O	S	0
			30	17	12	1	
20	g	1	Total	C	O	S	0
			30	17	12	1	
20	h	1	Total	C	O	S	0
			32	19	12	1	
20	i	1	Total	C	O	S	0
			30	17	12	1	
20	m	1	Total	C	O	S	0
			29	16	12	1	
20	n	1	Total	C	O	S	0
			31	18	12	1	
20	p	1	Total	C	O	S	0
			31	18	12	1	
20	q	1	Total	C	O	S	0
			26	13	12	1	

- Molecule 21 is 1,2-DISTEAROYL-MONOGALACTOSYL-DIGLYCERIDE (CCD ID: LMG) (formula: C₄₅H₈₆O₁₀).



Mol	Chain	Residues	Atoms			AltConf
21	aB	1	Total	C	O	0
			49	39	10	
21	aJ	1	Total	C	O	0
			31	21	10	
21	a1	1	Total	C	O	0
			40	30	10	
21	a2	1	Total	C	O	0
			40	30	10	
21	a6	1	Total	C	O	0
			38	28	10	
21	bB	1	Total	C	O	0
			49	39	10	
21	bJ	1	Total	C	O	0
			29	19	10	
21	b1	1	Total	C	O	0
			35	25	10	
21	b2	1	Total	C	O	0
			40	30	10	
21	cB	1	Total	C	O	0
			49	39	10	
21	cJ	1	Total	C	O	0
			31	21	10	
21	c1	1	Total	C	O	0
			39	29	10	

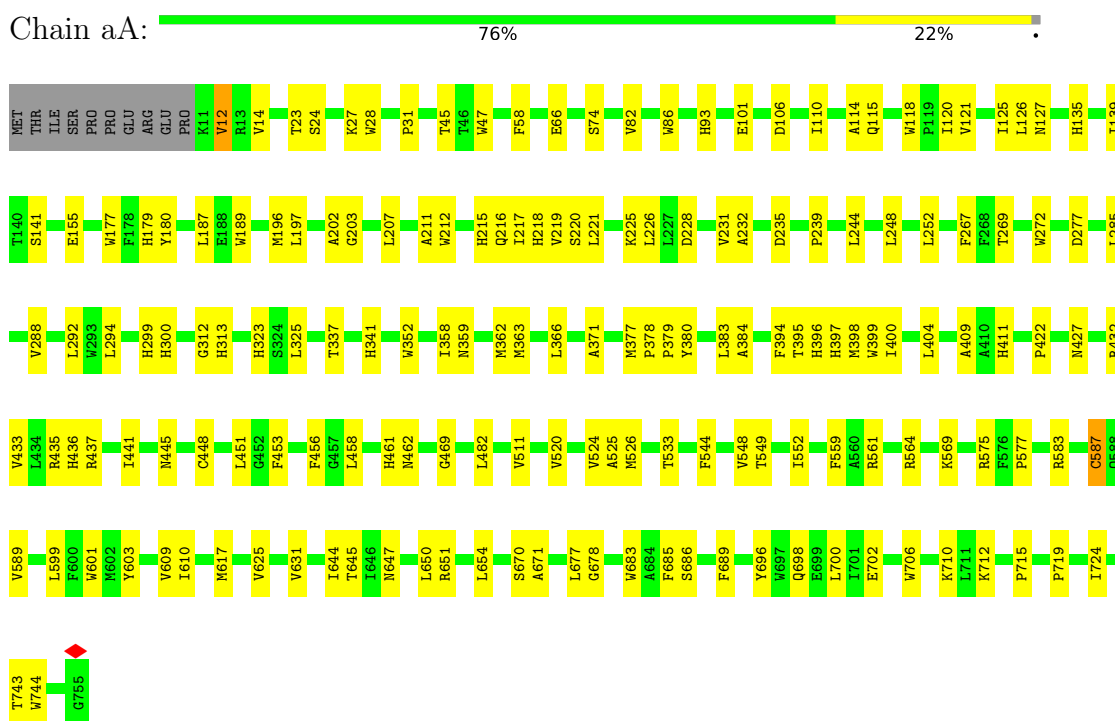
- Molecule 22 is CALCIUM ION (CCD ID: CA) (formula: Ca).

Mol	Chain	Residues	Atoms		AltConf
22	aL	1	Total 1	Ca 1	0
22	bL	1	Total 1	Ca 1	0
22	cL	1	Total 1	Ca 1	0

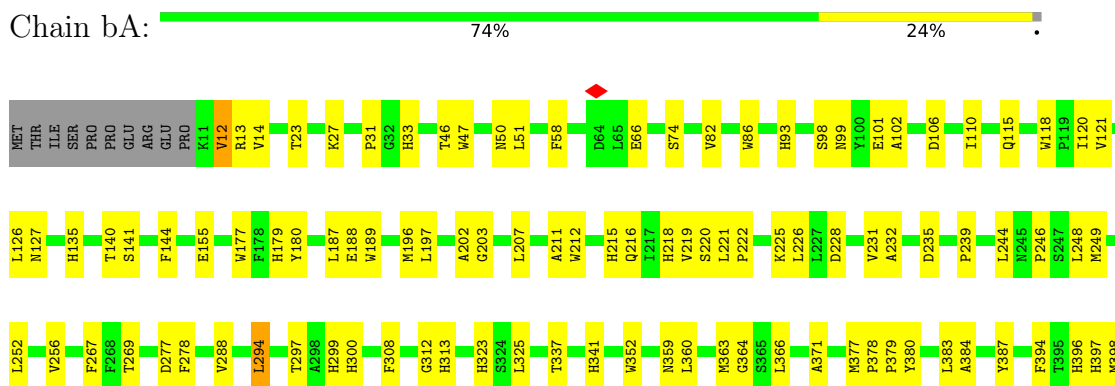
3 Residue-property plots

These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and atom inclusion in map density. Residues are color-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. A red diamond above a residue indicates a poor fit to the EM map for this residue (all-atom inclusion < 40%). Stretches of 2 or more consecutive residues without any outlier are shown as a green connector. Residues present in the sample, but not in the model, are shown in grey.

- Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1



- Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

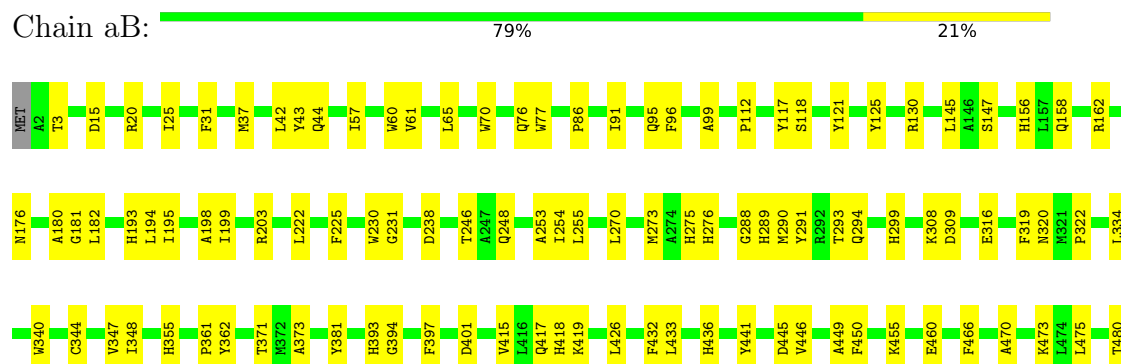


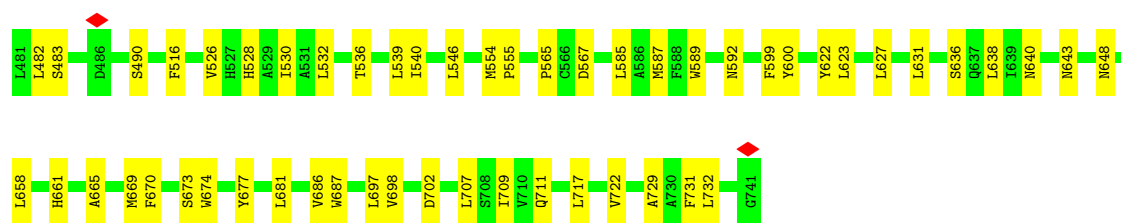


• Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1



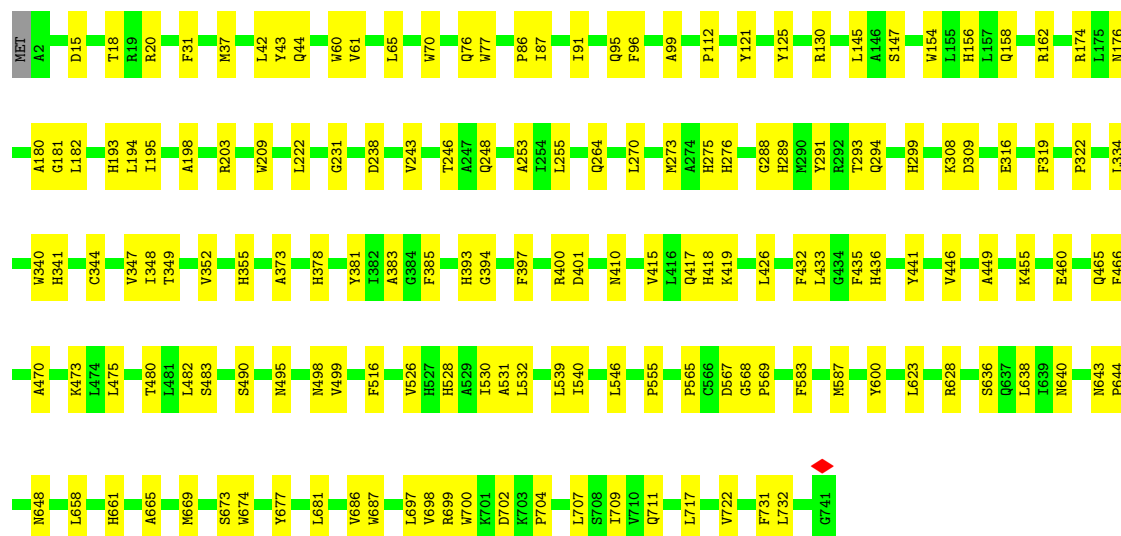
• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2





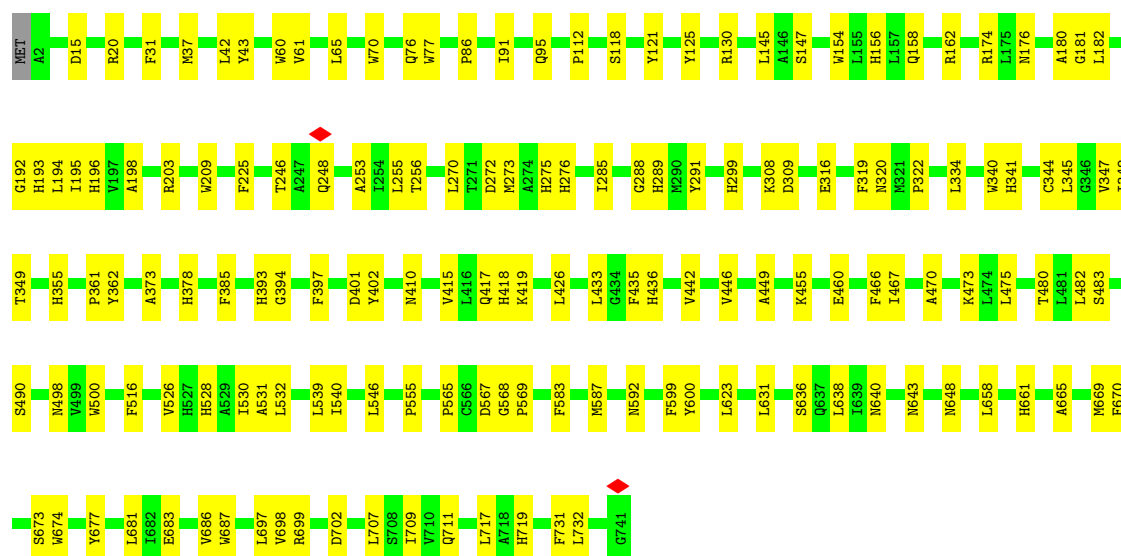
- Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

Chain bB: 78% 21%



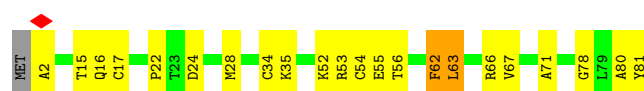
- Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

Chain cB: 79% 21%




- Molecule 3: Photosystem I iron-sulfur center

Chain aC:  72% 25% ..




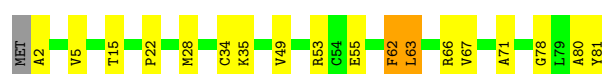
- Molecule 3: Photosystem I iron-sulfur center

Chain bC:  78% 19% ..




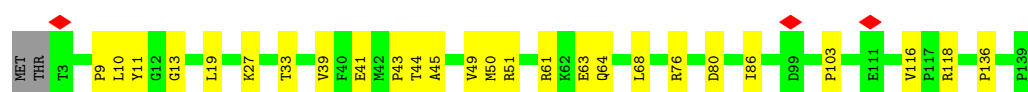
- Molecule 3: Photosystem I iron-sulfur center

Chain cC:  77% 20% ..




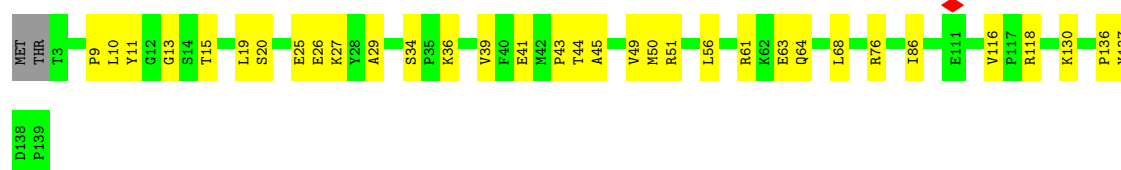
- Molecule 4: Photosystem I reaction center subunit II

Chain aD:  80% 19% ..




- Molecule 4: Photosystem I reaction center subunit II

Chain bD:  75% 24% ..




- Molecule 4: Photosystem I reaction center subunit II

Chain cD:  81% 18% ..

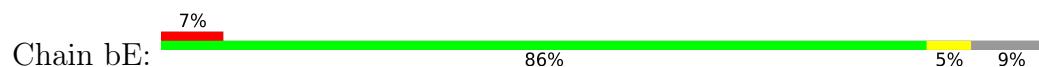


- Molecule 5: Photosystem I reaction center subunit IV

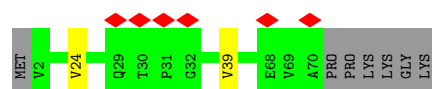
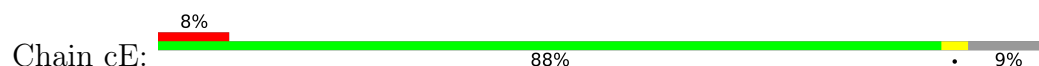
Chain aE:  74% 17% 9%



- Molecule 5: Photosystem I reaction center subunit IV



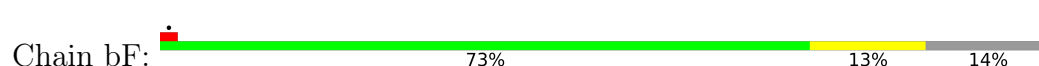
- Molecule 5: Photosystem I reaction center subunit IV



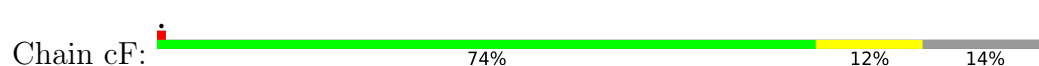
- Molecule 6: Photosystem I reaction center subunit III



- Molecule 6: Photosystem I reaction center subunit III



- Molecule 6: Photosystem I reaction center subunit III





- Molecule 7: Photosystem I reaction center subunit VIII

Chain aI: 92% 8%



- Molecule 7: Photosystem I reaction center subunit VIII

Chain bI: 92% 8%



- Molecule 7: Photosystem I reaction center subunit VIII

Chain cI: 92% 8%



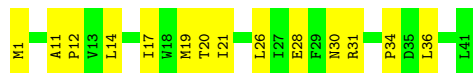
- Molecule 8: Photosystem I reaction center subunit IX

Chain aJ: 66% 34%



- Molecule 8: Photosystem I reaction center subunit IX

Chain bJ: 66% 34%



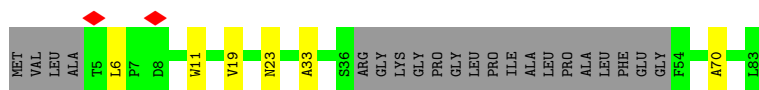
- Molecule 8: Photosystem I reaction center subunit IX

Chain cJ: 68% 32%



- Molecule 9: Photosystem I reaction center subunit PsaK

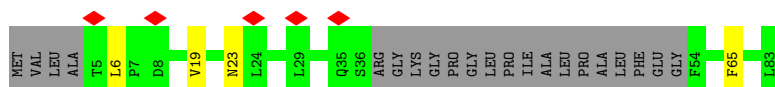
Chain aK: 67% 7% 25%



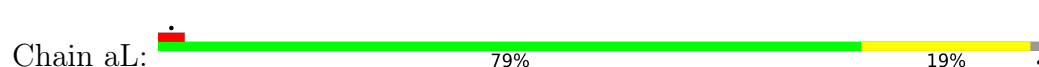
- Molecule 9: Photosystem I reaction center subunit PsaK



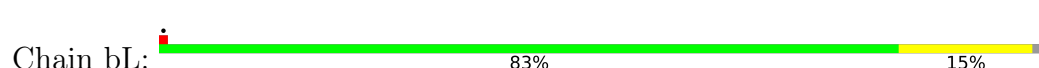
- Molecule 9: Photosystem I reaction center subunit PsaK



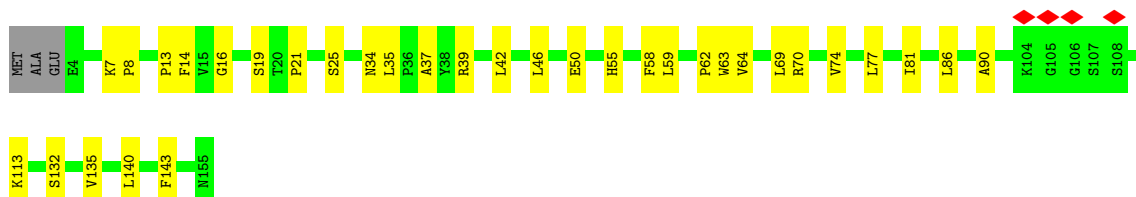
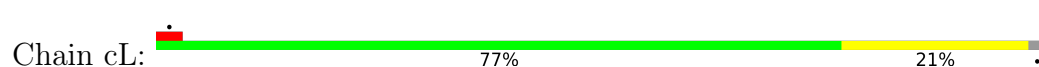
- Molecule 10: Photosystem I reaction center subunit XI




- Molecule 10: Photosystem I reaction center subunit XI



- Molecule 10: Photosystem I reaction center subunit XI




- Molecule 11: Photosystem I reaction center subunit XII

Chain aM:  77% 23%




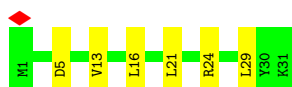
- Molecule 11: Photosystem I reaction center subunit XII

Chain bM:  77% 23%




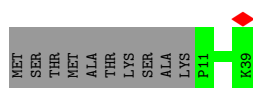
- Molecule 11: Photosystem I reaction center subunit XII

Chain cM:  81% 19%




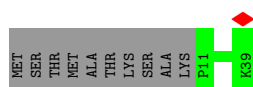
- Molecule 12: Photosystem I 4.8K protein

Chain aX:  74% 26%




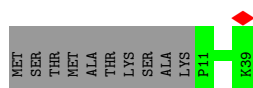
- Molecule 12: Photosystem I 4.8K protein

Chain bX:  74% 26%



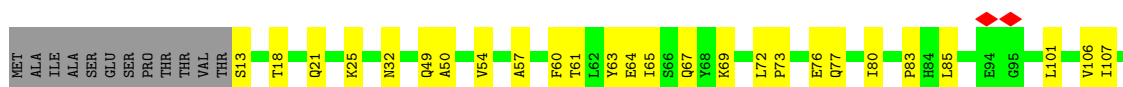
- Molecule 12: Photosystem I 4.8K protein

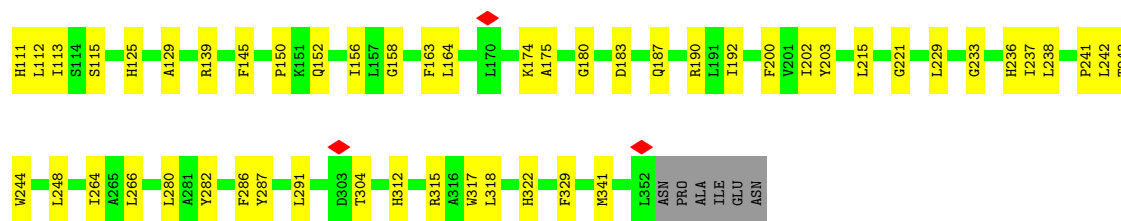
Chain cX:  74% 26%



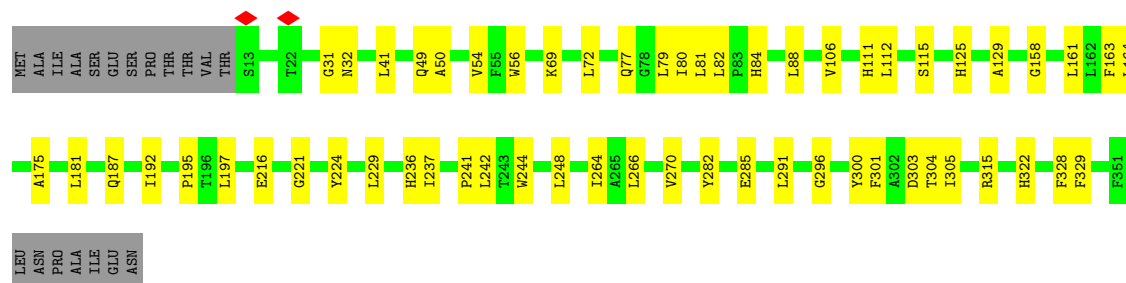
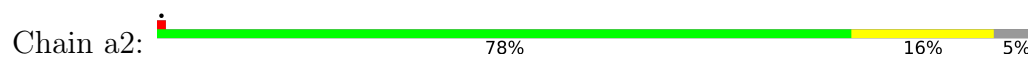
- Molecule 13: Iron stress-induced chlorophyll-binding protein

Chain a1:  73% 22% 5%

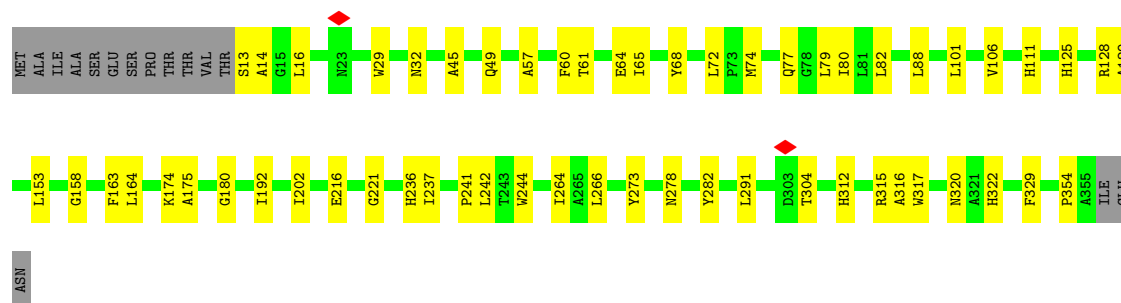
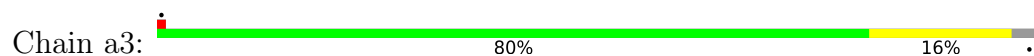




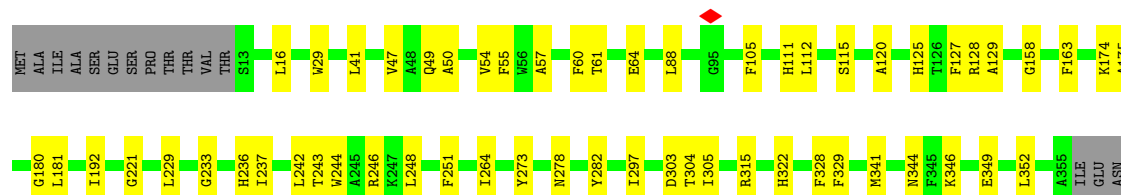
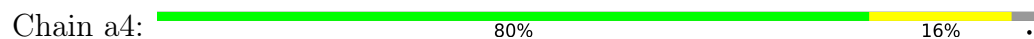
- Molecule 13: Iron stress-induced chlorophyll-binding protein



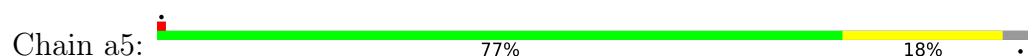
- Molecule 13: Iron stress-induced chlorophyll-binding protein

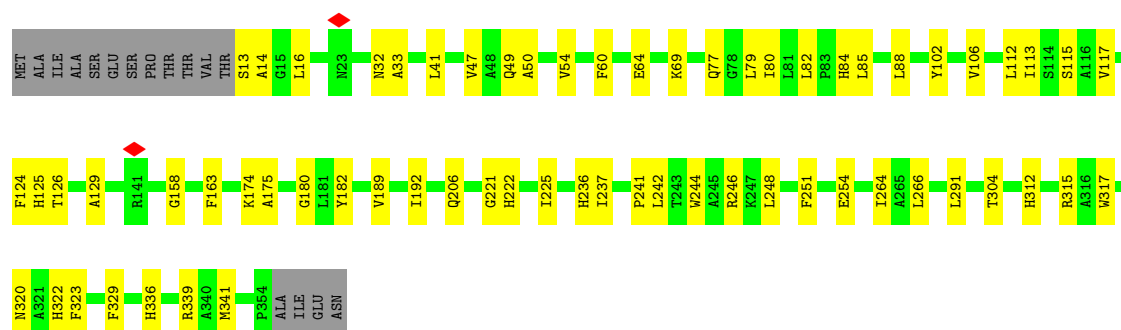


- Molecule 13: Iron stress-induced chlorophyll-binding protein



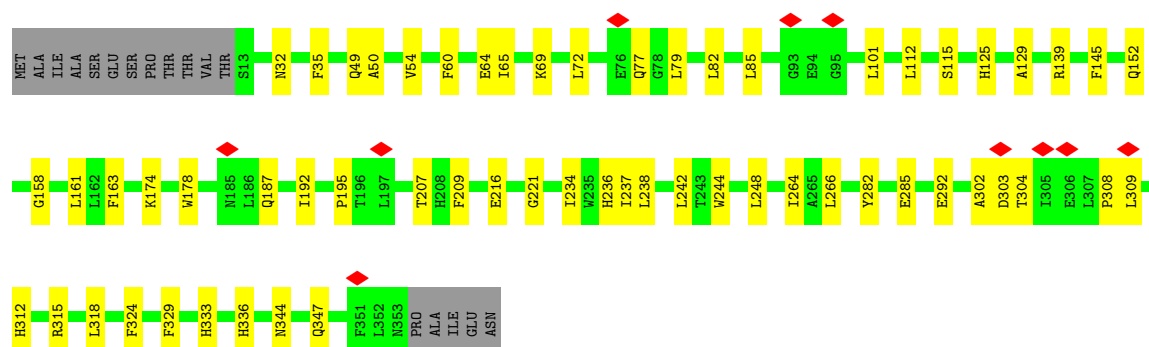
- Molecule 13: Iron stress-induced chlorophyll-binding protein





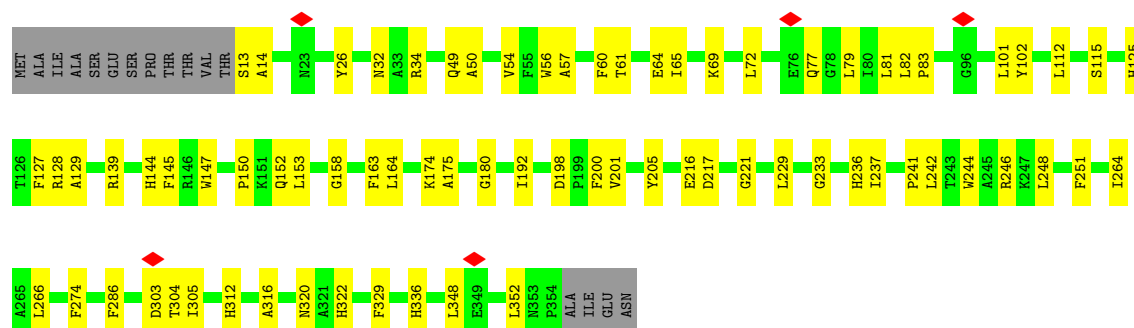
- Molecule 13: Iron stress-induced chlorophyll-binding protein

Chain a6: 78% 17% 5%



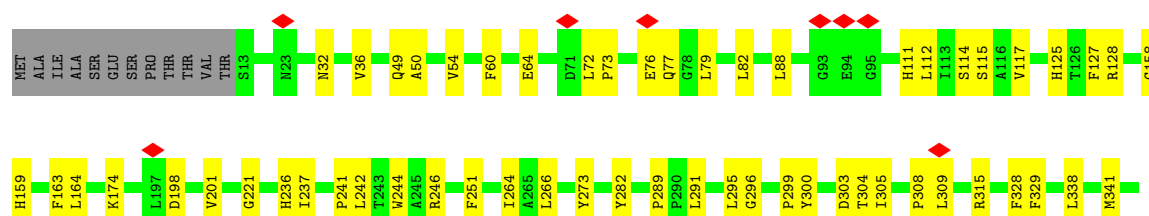
- Molecule 13: Iron stress-induced chlorophyll-binding protein

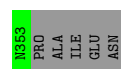
Chain b1: 75% 21%




- Molecule 13: Iron stress-induced chlorophyll-binding protein

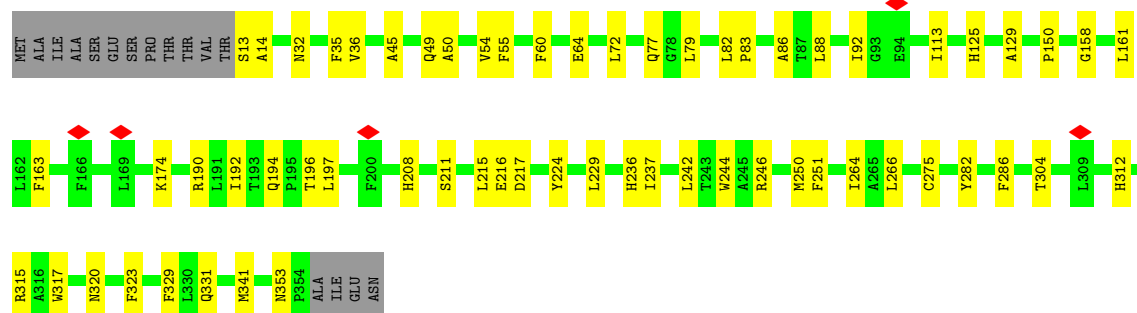
Chain b2: 79% 16% 5%






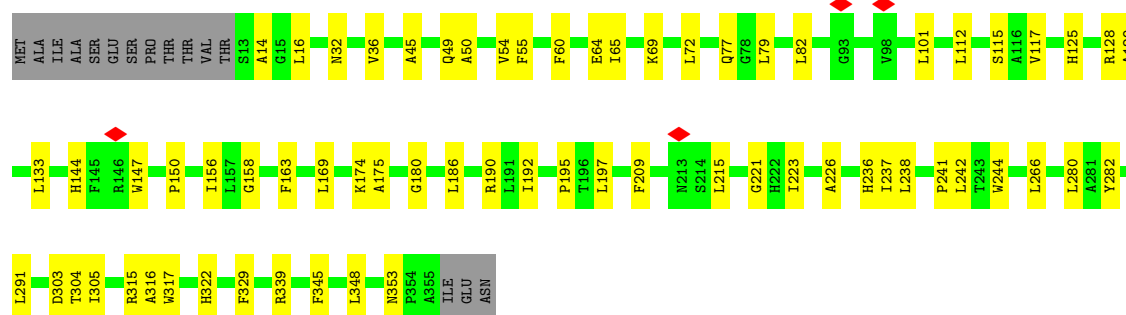
- Molecule 13: Iron stress-induced chlorophyll-binding protein

Chain b3:  78% 17%



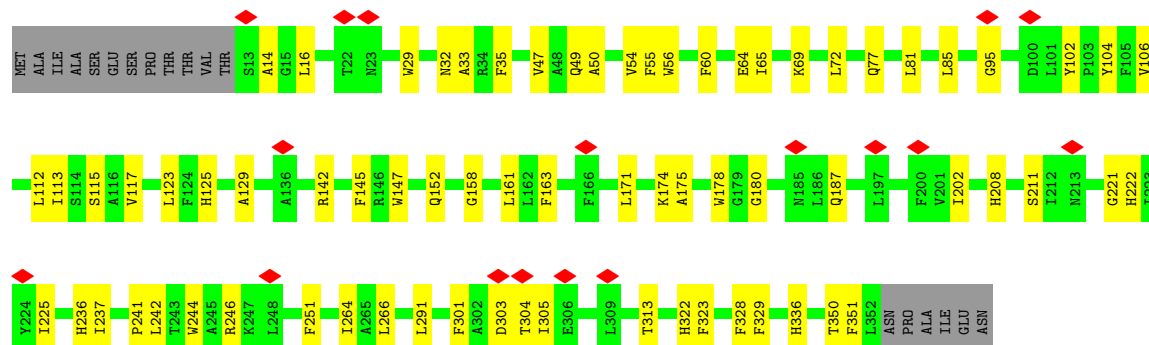
- Molecule 13: Iron stress-induced chlorophyll-binding protein

Chain b4:  77% 19%



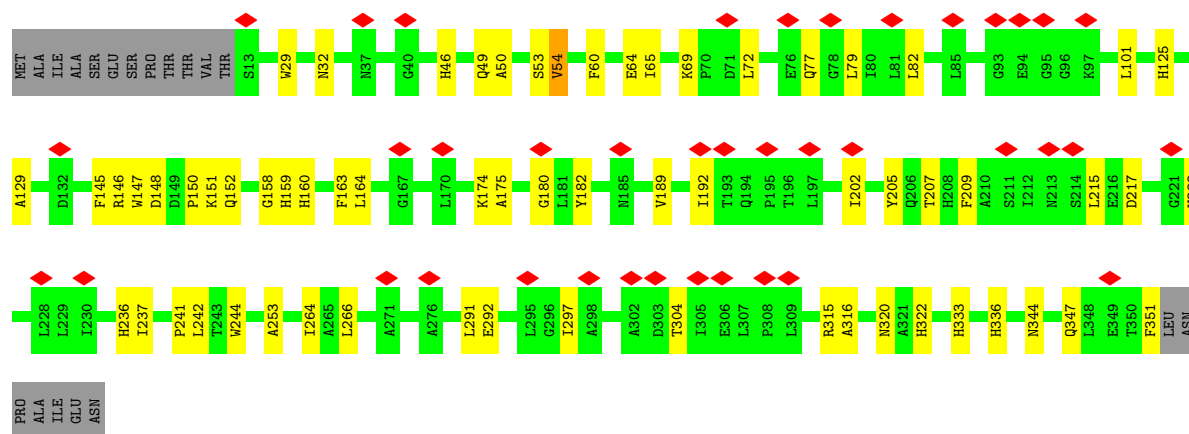
- Molecule 13: Iron stress-induced chlorophyll-binding protein

Chain b5:  5% 75% 20% 5%



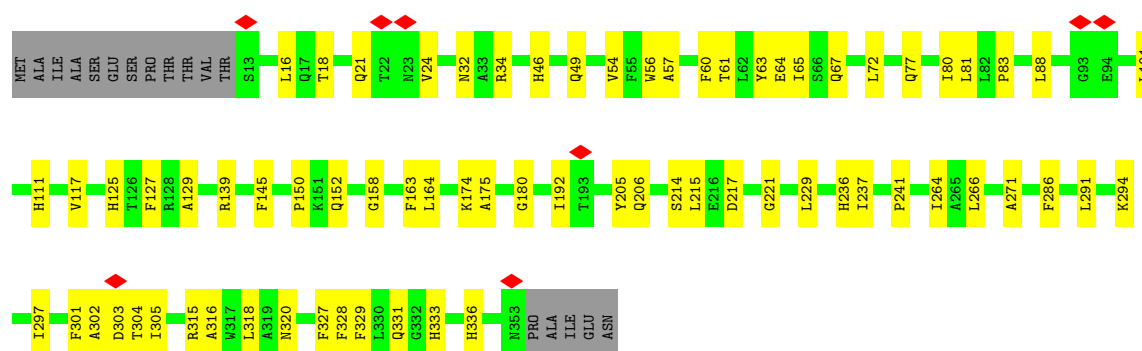
- Molecule 13: Iron stress-induced chlorophyll-binding protein

Chain b6:  11% 77% 18% 5%



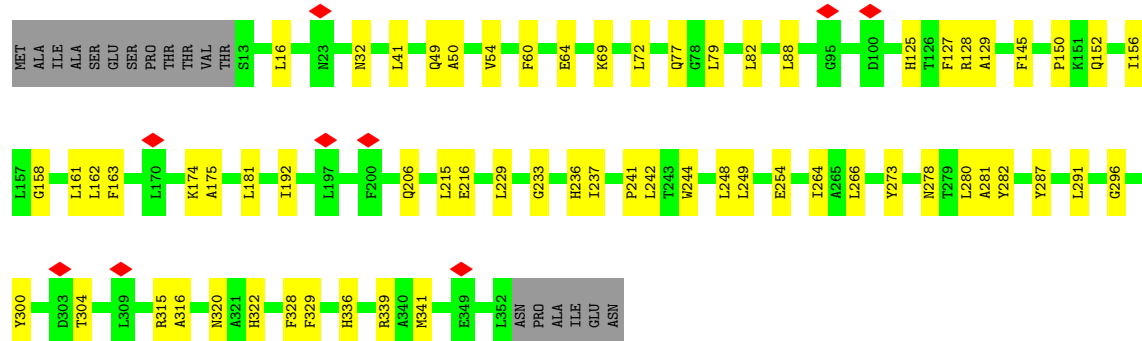
- Molecule 13: Iron stress-induced chlorophyll-binding protein

Chain c1: 75% 20% 5%



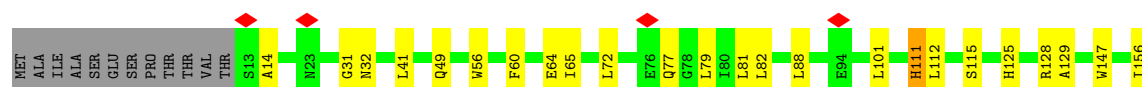
- Molecule 13: Iron stress-induced chlorophyll-binding protein

Chain c2: 77% 18% 5%



- Molecule 13: Iron stress-induced chlorophyll-binding protein

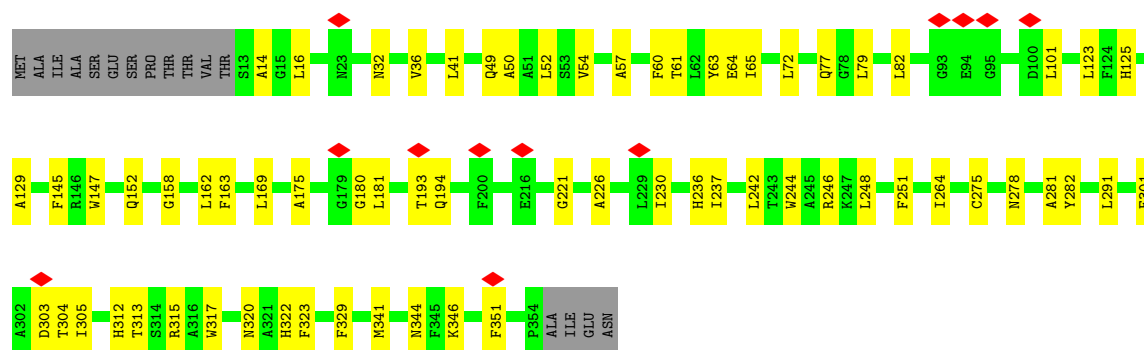
Chain c3: 82% 13% 5%





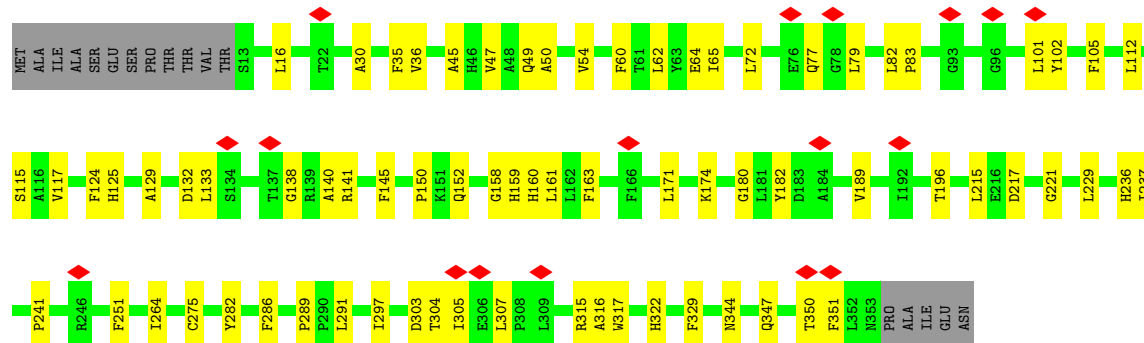
- Molecule 13: Iron stress-induced chlorophyll-binding protein

Chain c4: 77% 19%



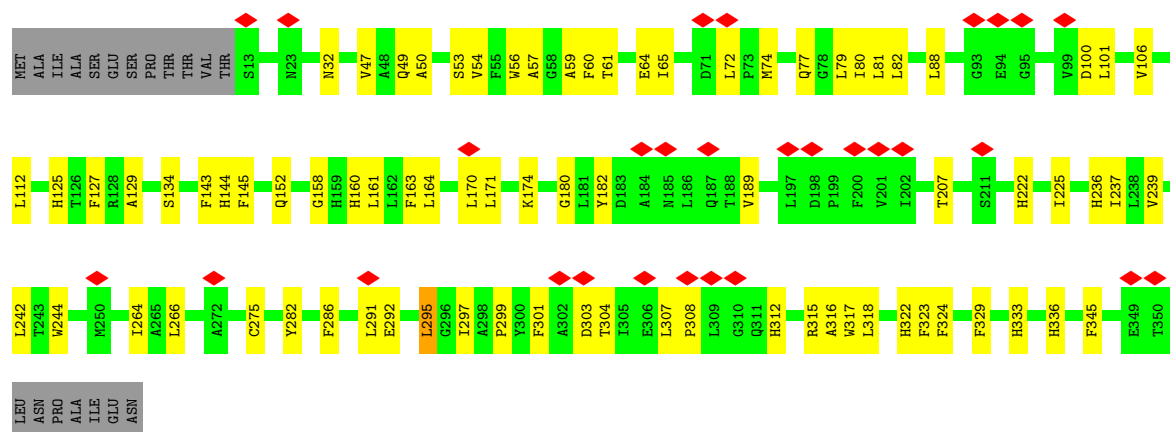
- Molecule 13: Iron stress-induced chlorophyll-binding protein

Chain c5: 5% 75% 21% 5%

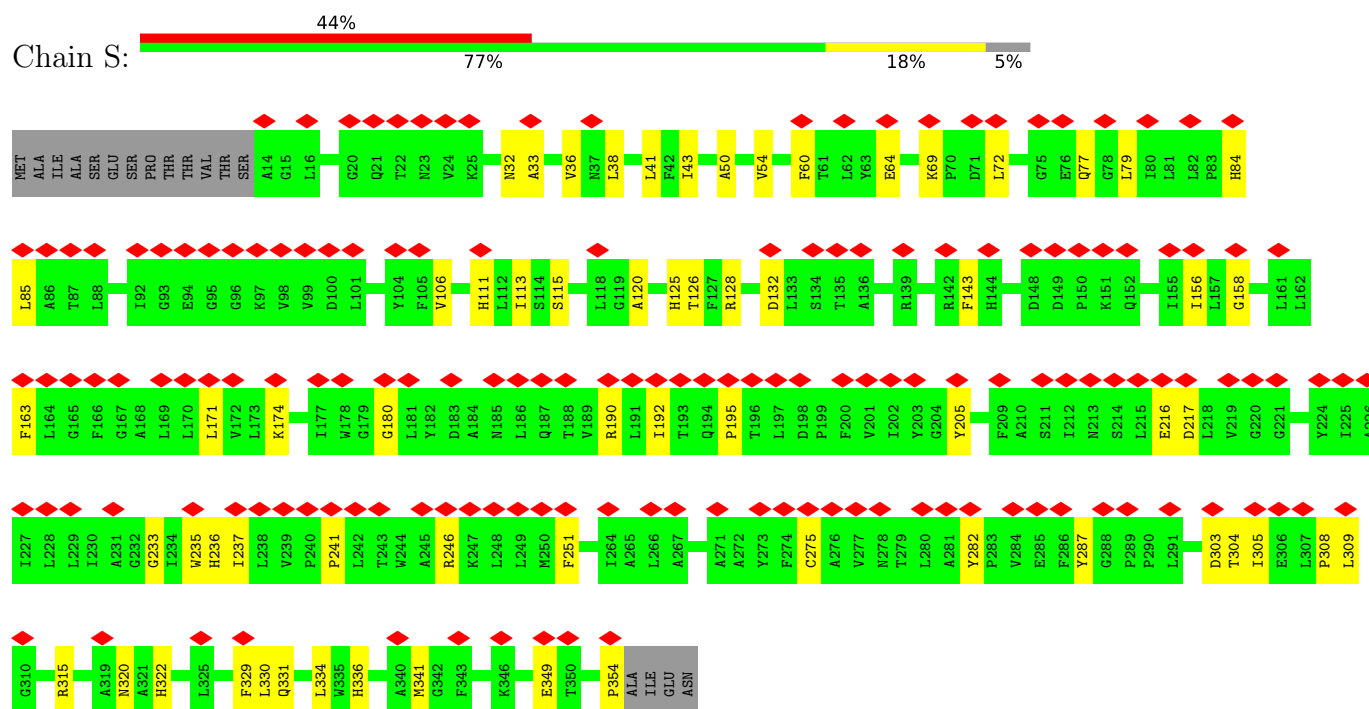


- Molecule 13: Iron stress-induced chlorophyll-binding protein

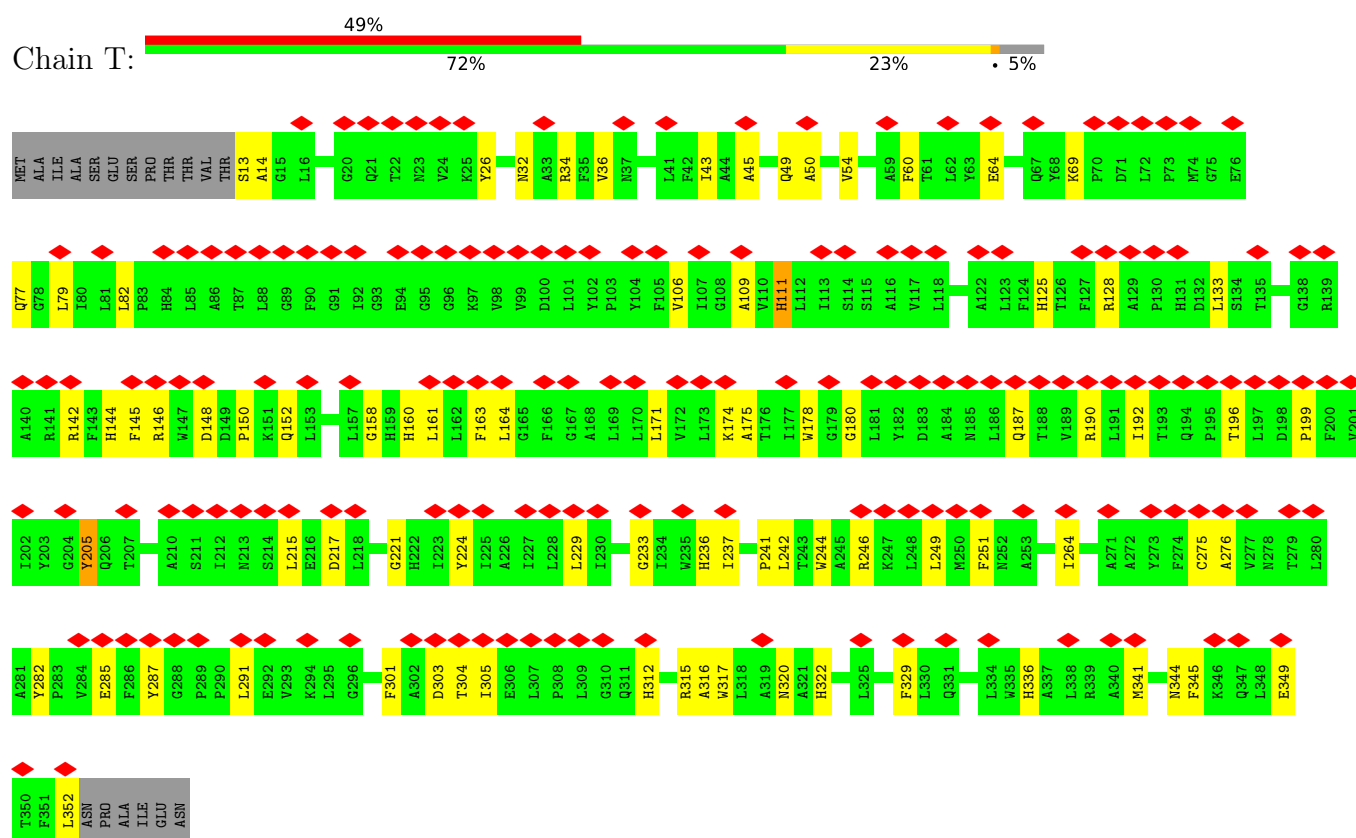
Chain c6: 8% 73% 22% 5%



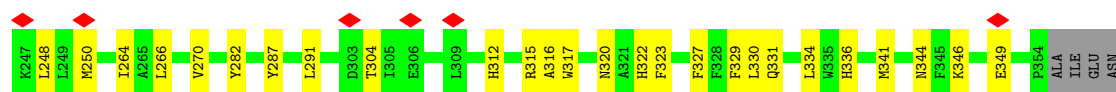
- Molecule 13: Iron stress-induced chlorophyll-binding protein



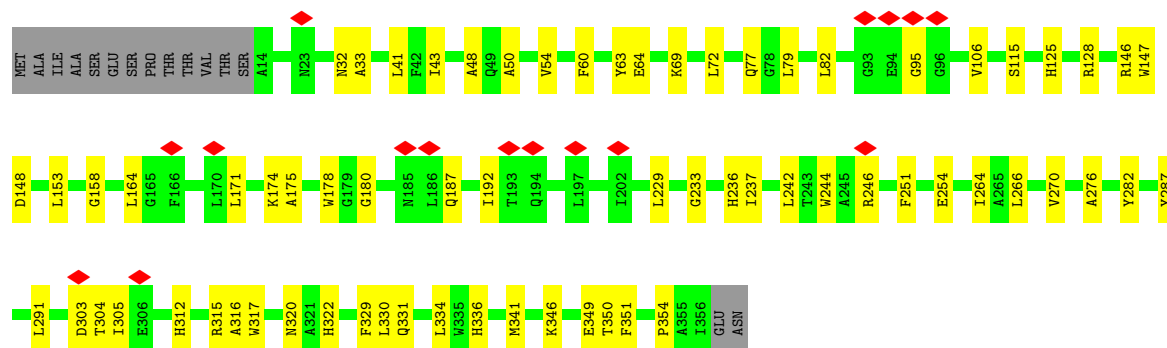
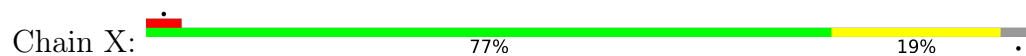
- Molecule 13: Iron stress-induced chlorophyll-binding protein



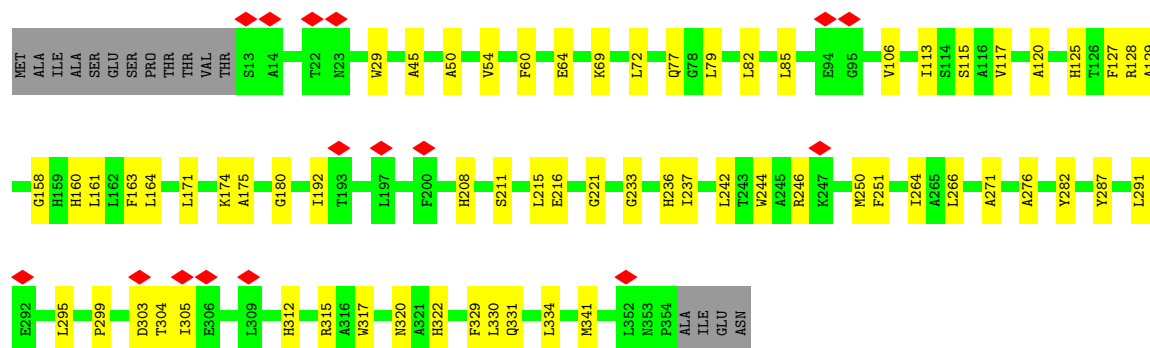
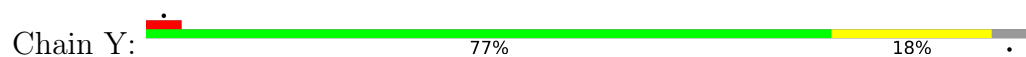
- Molecule 13: Iron stress-induced chlorophyll-binding protein



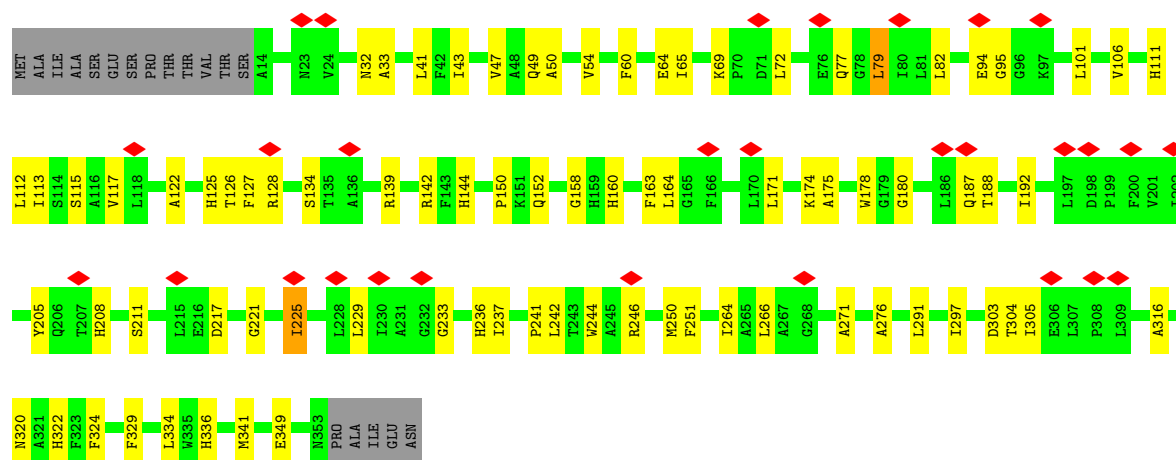
- Molecule 13: Iron stress-induced chlorophyll-binding protein



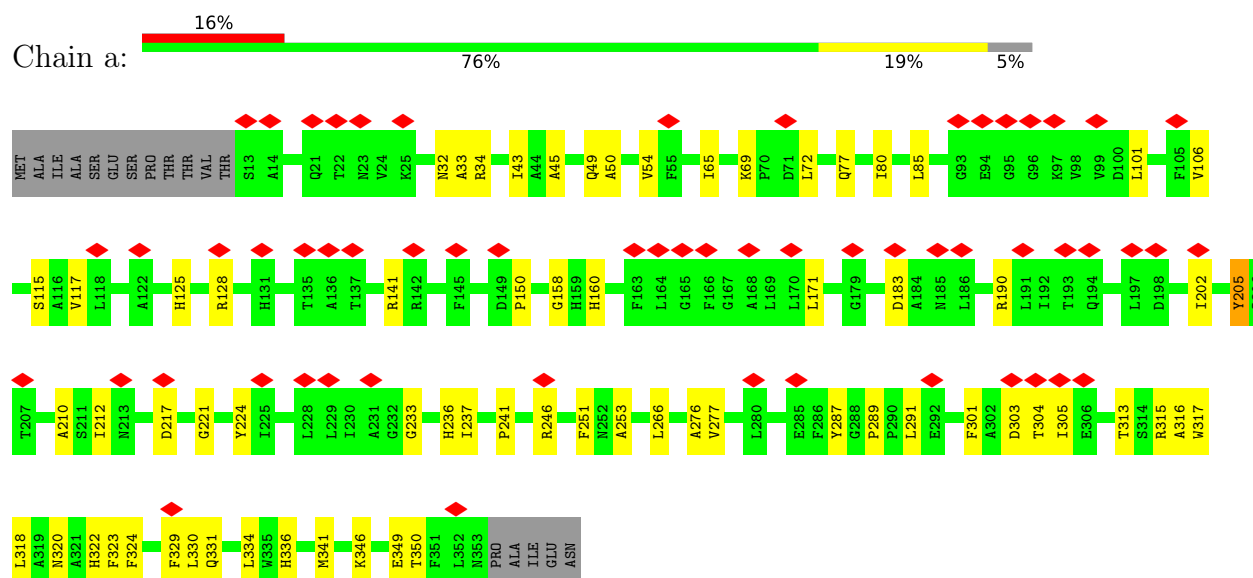
- Molecule 13: Iron stress-induced chlorophyll-binding protein



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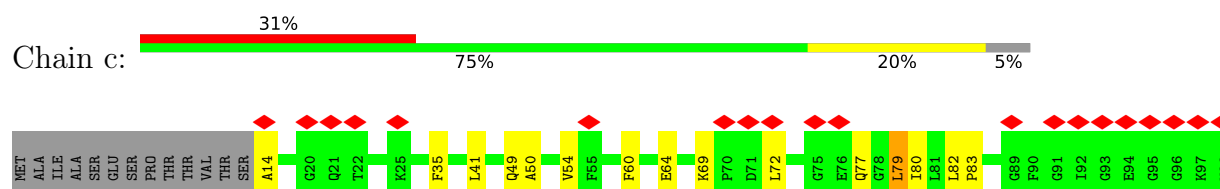
• Molecule 13: Iron stress-induced chlorophyll-binding protein

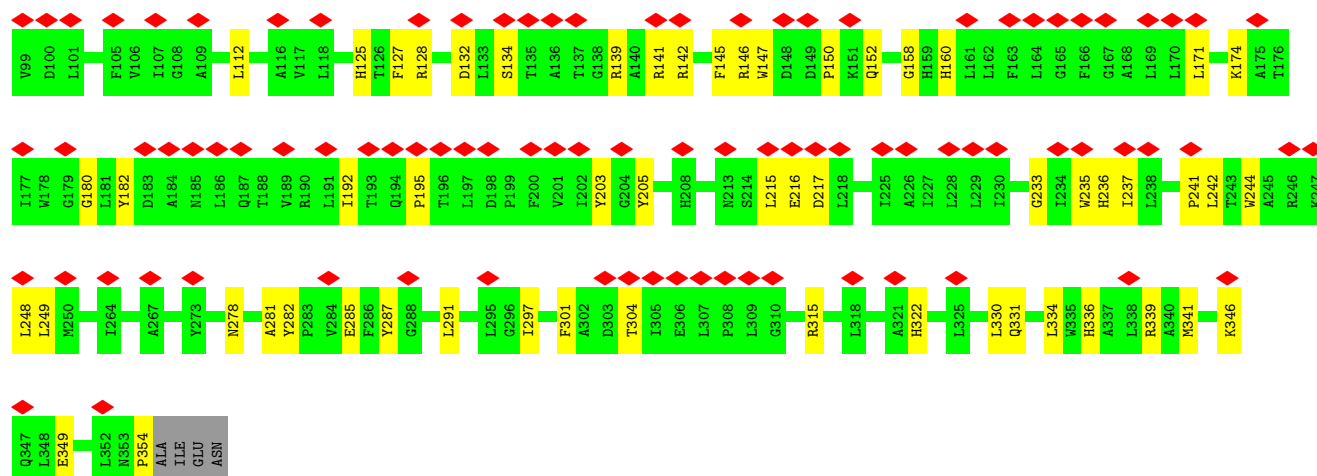


• Molecule 13: Iron stress-induced chlorophyll-binding protein

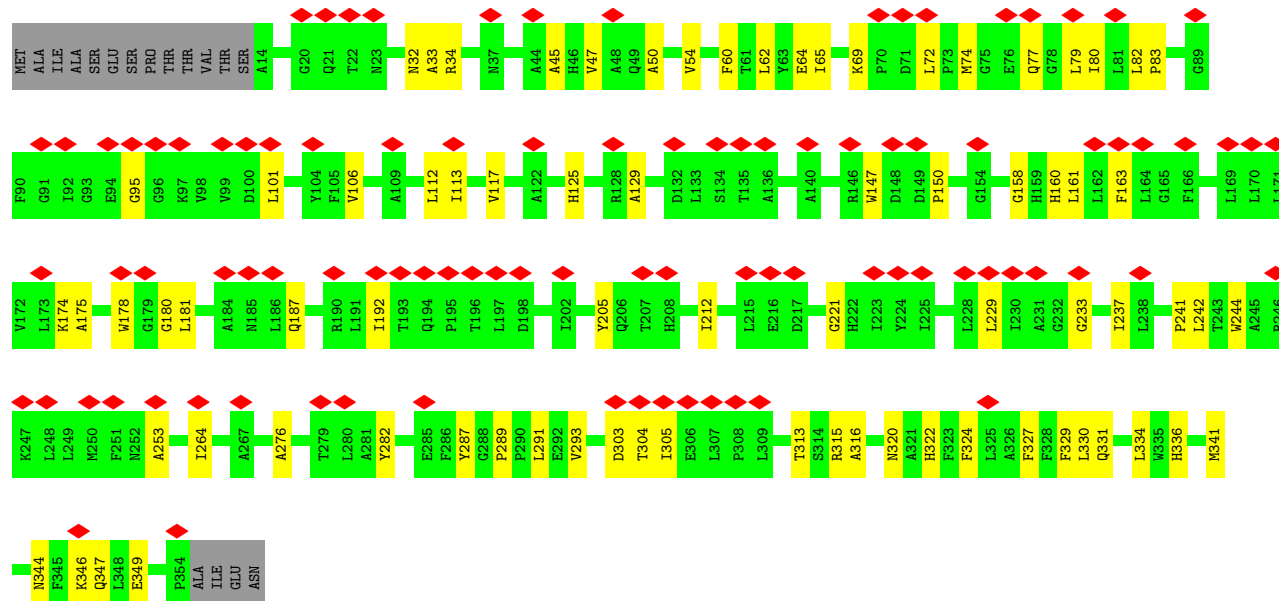
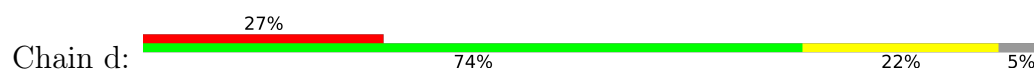


• Molecule 13: Iron stress-induced chlorophyll-binding protein

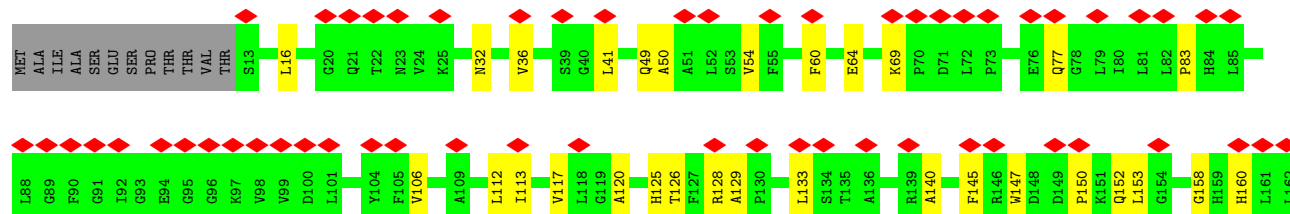
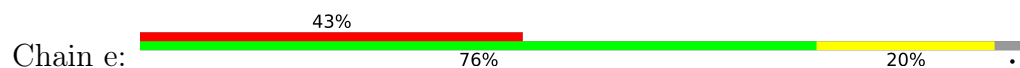


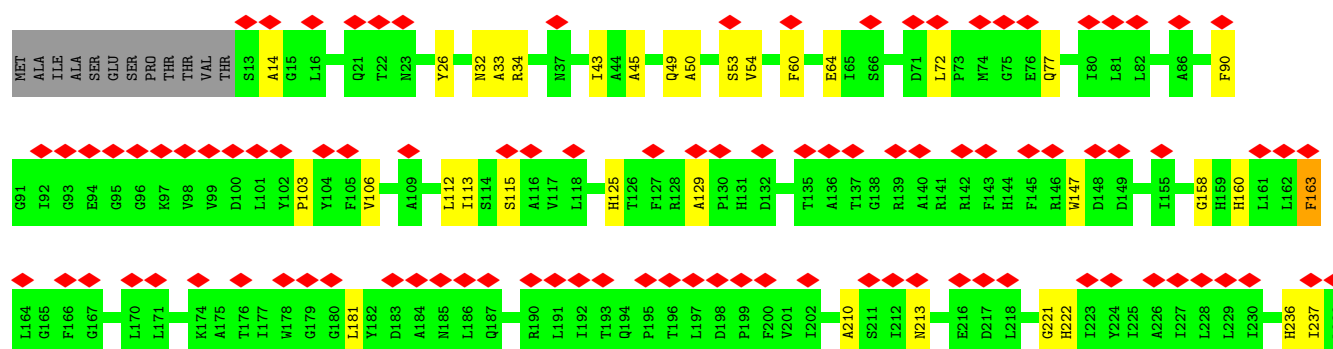


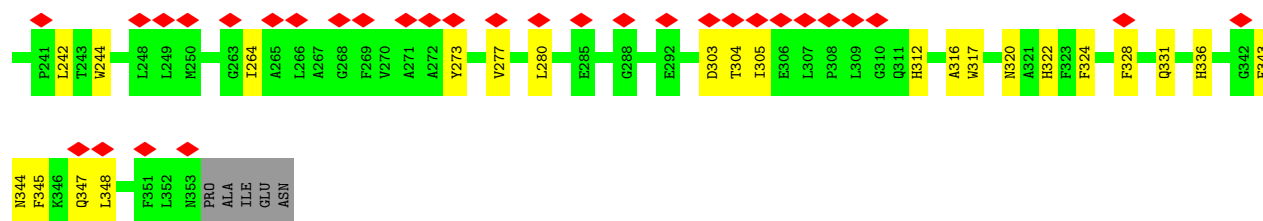
- Molecule 13: Iron stress-induced chlorophyll-binding protein



- Molecule 13: Iron stress-induced chlorophyll-binding protein

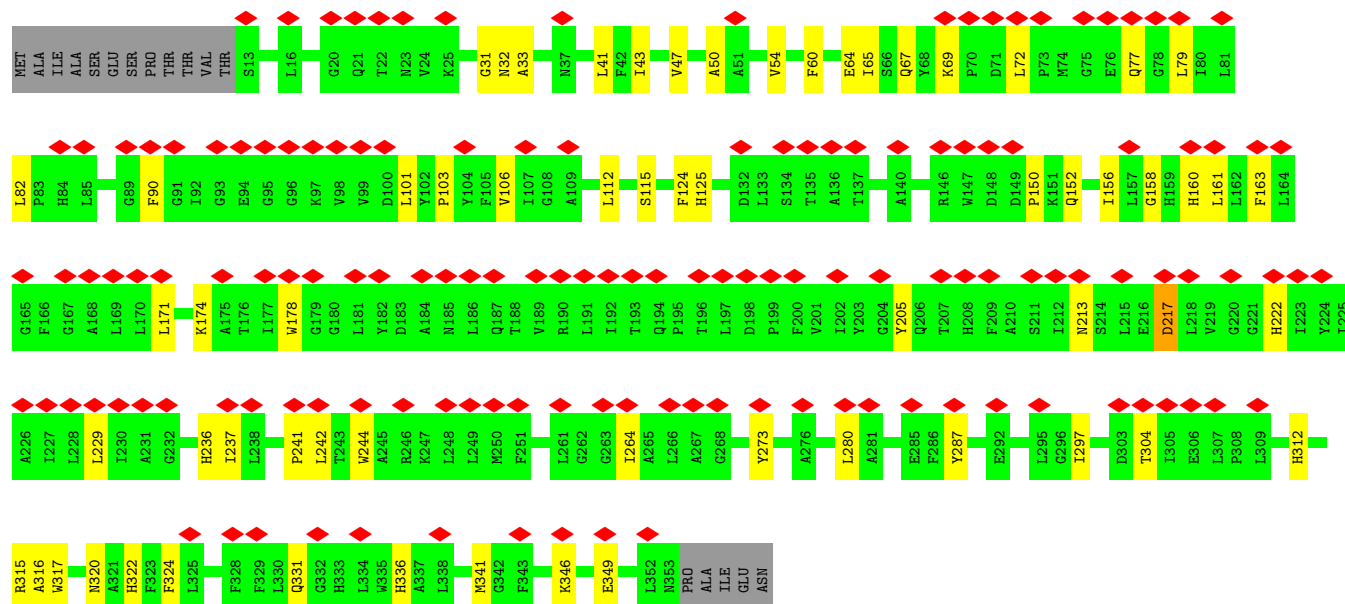






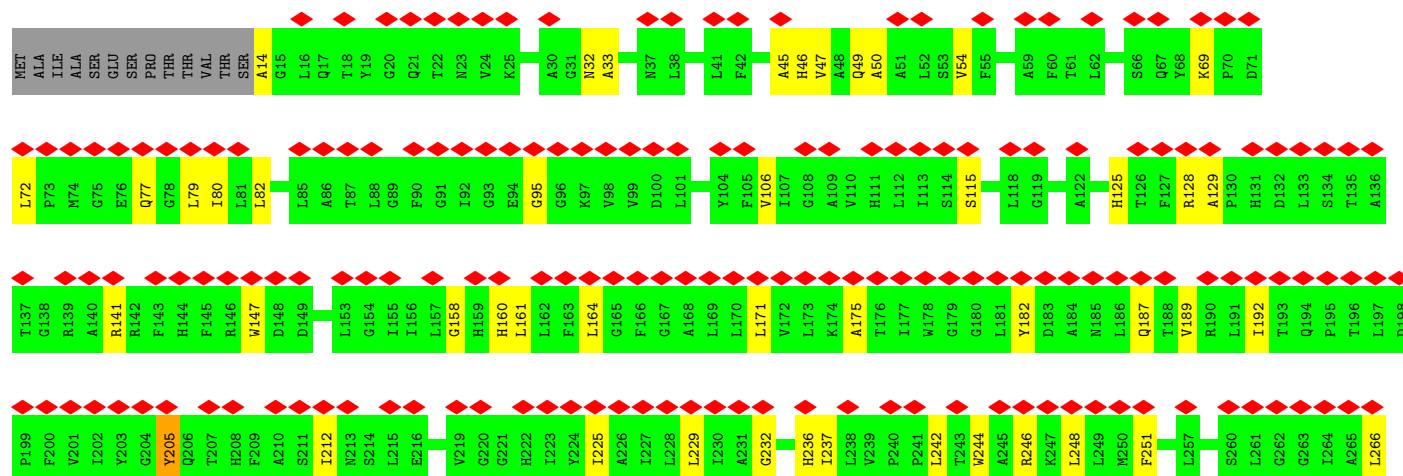
• Molecule 13: Iron stress-induced chlorophyll-binding protein

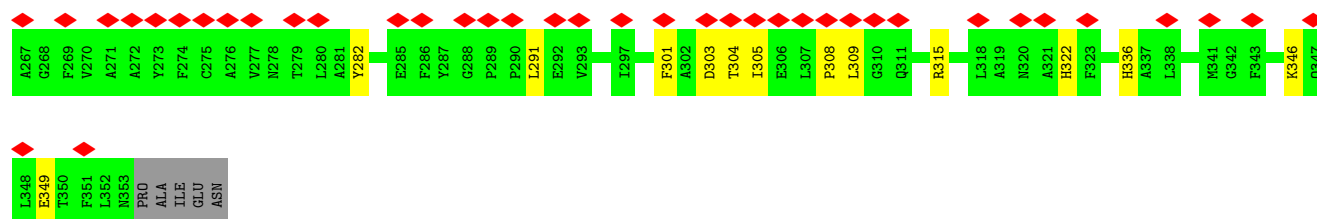
Chain h: 39% 78% 17% 5%



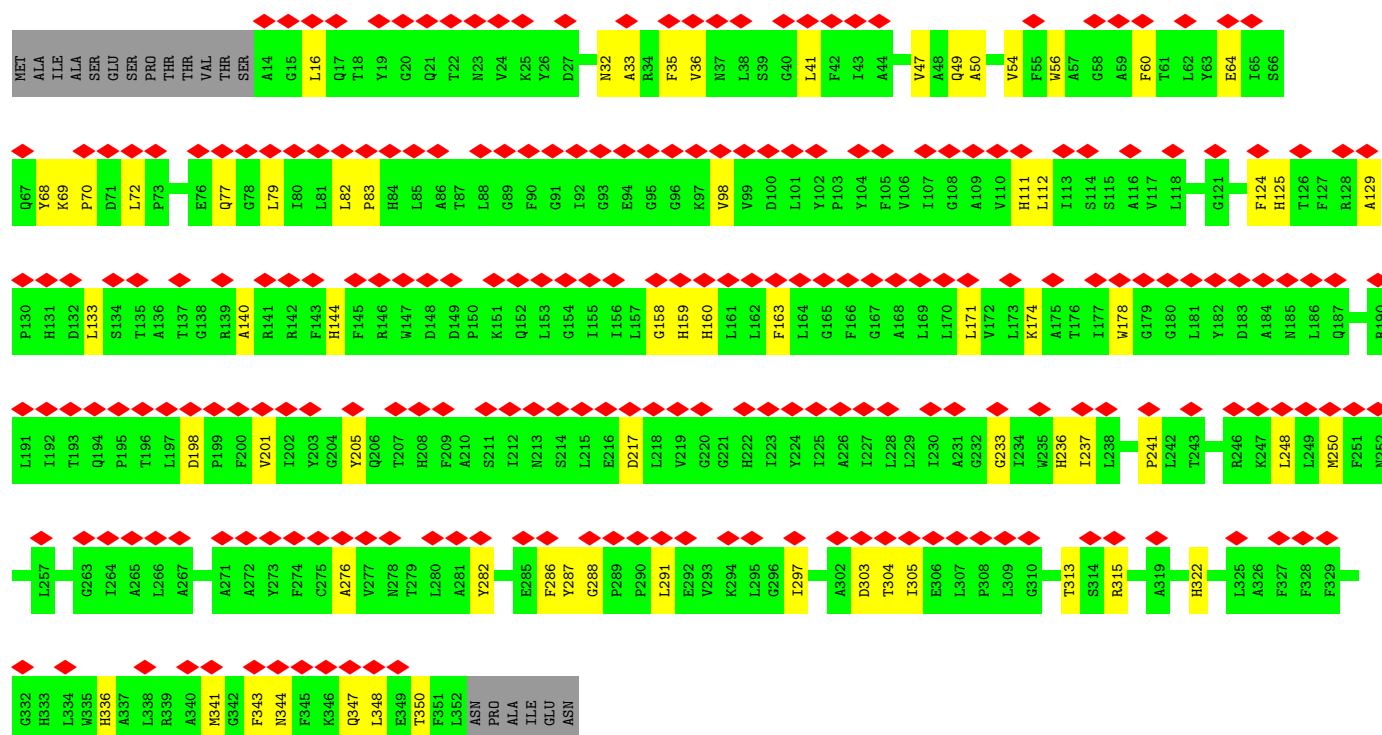
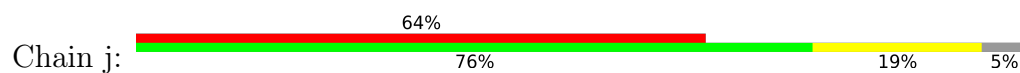
• Molecule 13: Iron stress-induced chlorophyll-binding protein

Chain i: 59% 78% 16% 5%

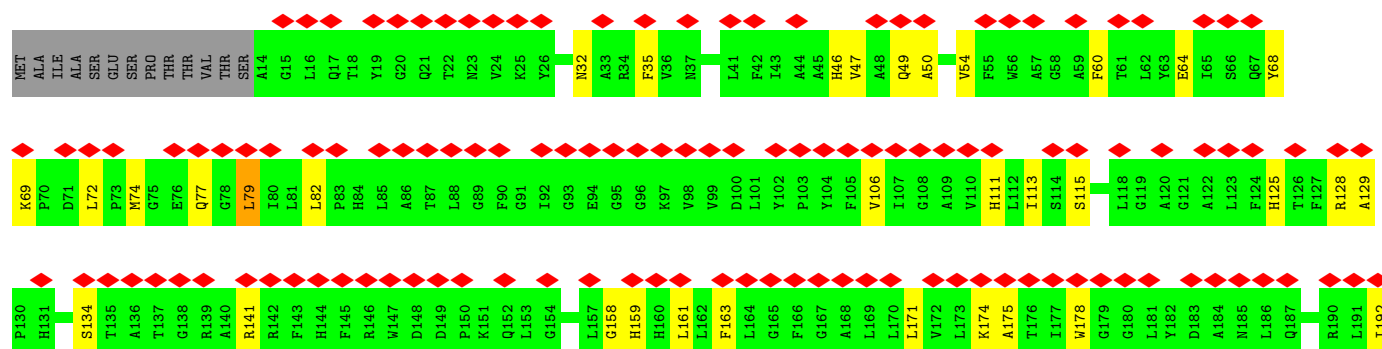
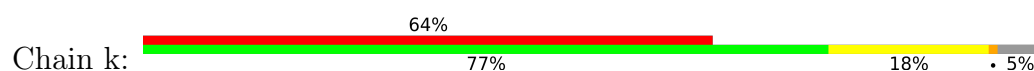


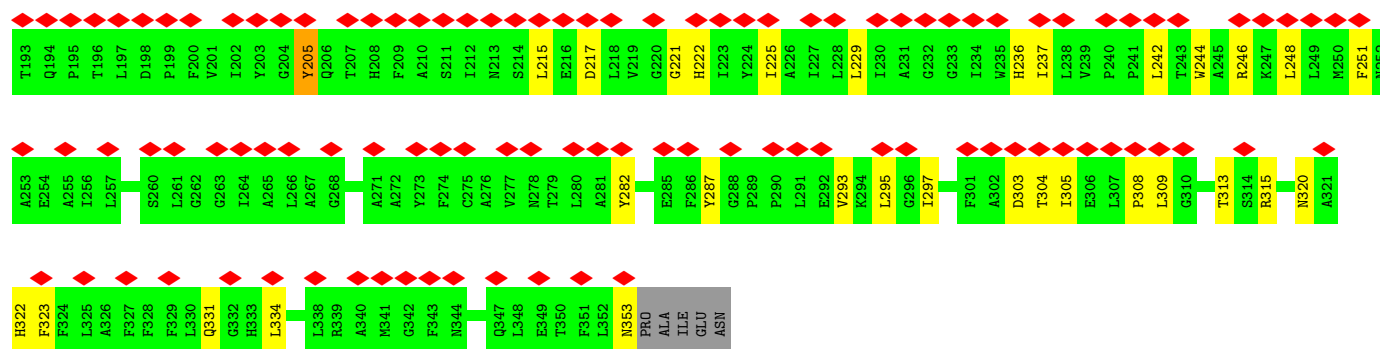


• Molecule 13: Iron stress-induced chlorophyll-binding protein



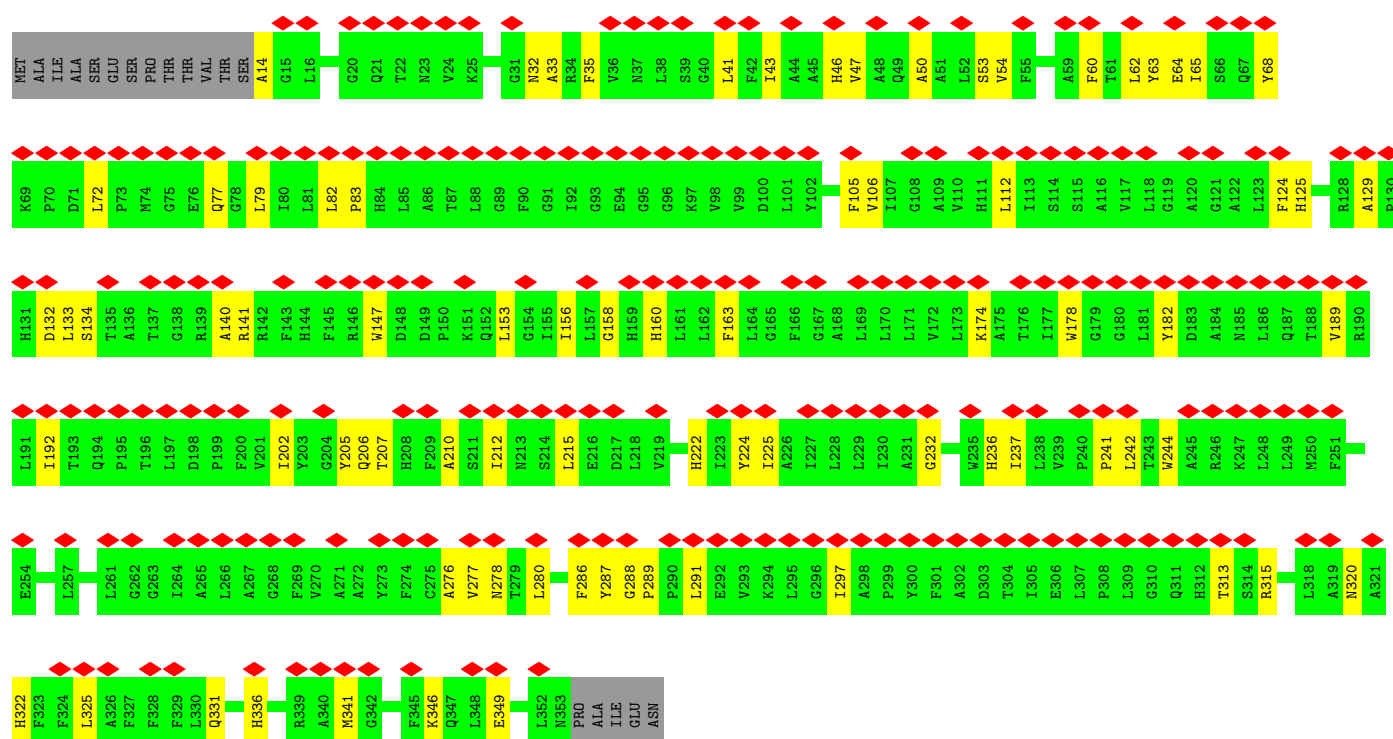
• Molecule 13: Iron stress-induced chlorophyll-binding protein





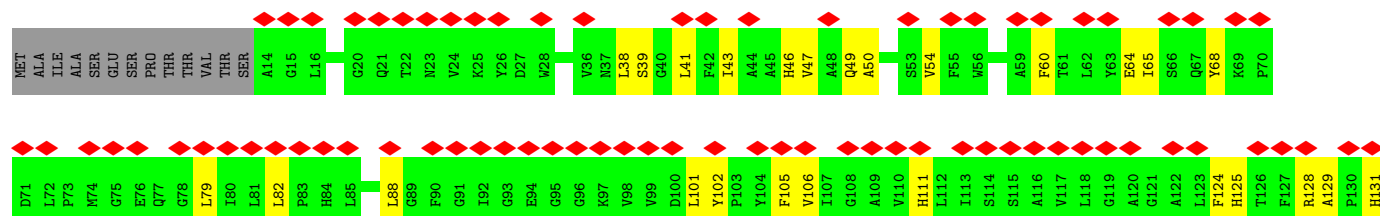
• Molecule 13: Iron stress-induced chlorophyll-binding protein

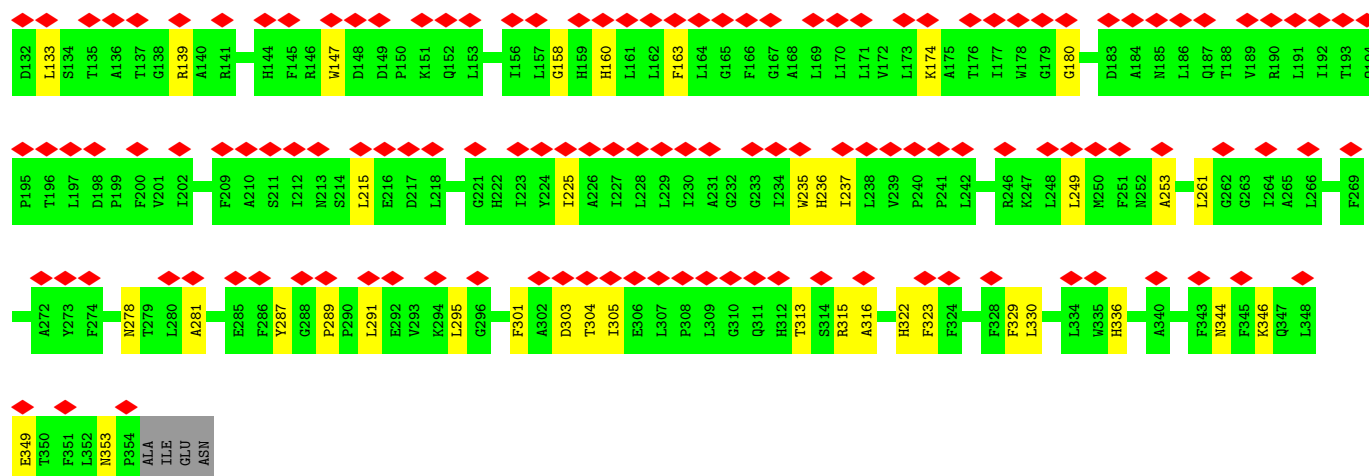
Chain l: 64% 73% 22% 5%



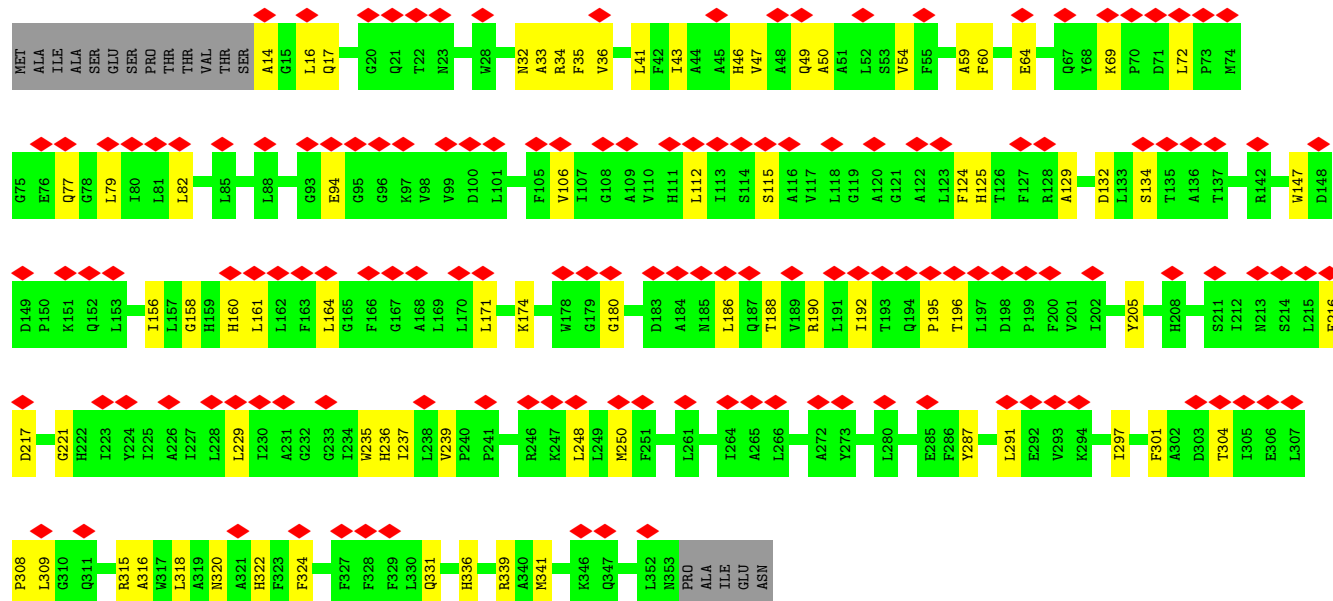
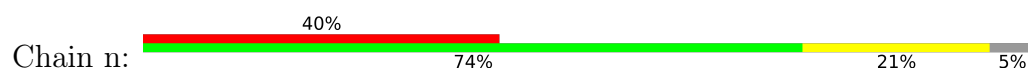
• Molecule 13: Iron stress-induced chlorophyll-binding protein

Chain m: 57% 77% 18% 5%

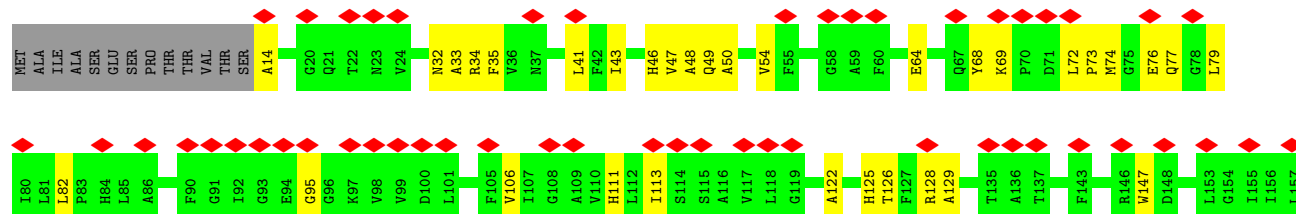


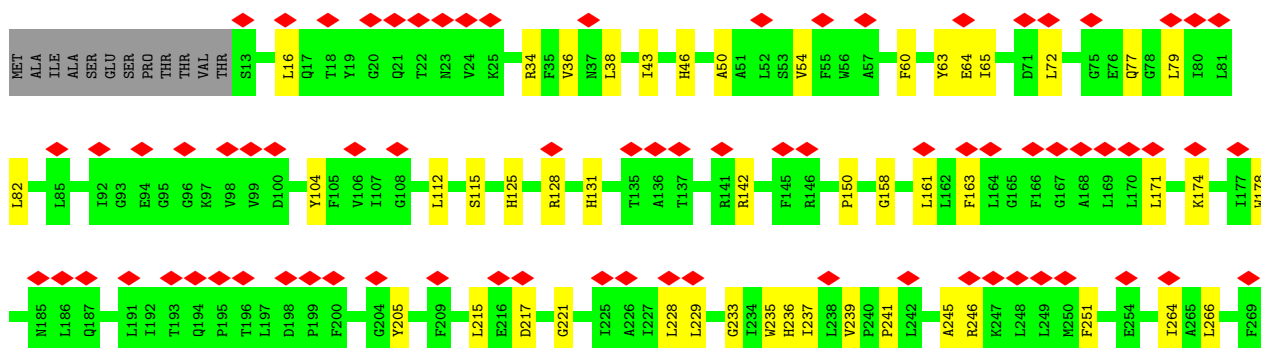


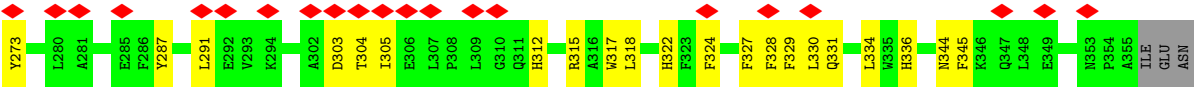
• Molecule 13: Iron stress-induced chlorophyll-binding protein



• Molecule 13: Iron stress-induced chlorophyll-binding protein







4 Experimental information

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, Not provided	
Number of particles used	95950	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	PHASE FLIPPING AND AMPLITUDE CORRECTION	Depositor
Microscope	FEI POLARA 300	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/\text{\AA}^2$)	60	Depositor
Minimum defocus (nm)	1500	Depositor
Maximum defocus (nm)	2500	Depositor
Magnification	Not provided	
Image detector	GATAN K2 BASE (4k x 4k)	Depositor
Maximum map value	0.148	Depositor
Minimum map value	-0.050	Depositor
Average map value	0.000	Depositor
Map value standard deviation	0.003	Depositor
Recommended contour level	0.015	Depositor
Map size (\AA)	540.8, 540.8, 540.8	wwPDB
Map dimensions	520, 520, 520	wwPDB
Map angles ($^\circ$)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (\AA)	1.04, 1.04, 1.04	Depositor

5 Model quality ⓘ

5.1 Standard geometry ⓘ

Bond lengths and bond angles in the following residue types are not validated in this section: CA, CLA, LHG, LMG, SF4, LMU, SQD, PQN, BCR

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\# Z > 5$	RMSZ	$\# Z > 5$
1	aA	0.08	0/6019	0.21	0/8209
1	bA	0.08	0/6019	0.20	0/8209
1	cA	0.08	0/6019	0.20	0/8209
2	aB	0.07	0/6112	0.21	0/8350
2	bB	0.07	0/6112	0.21	0/8350
2	cB	0.07	0/6112	0.21	0/8350
3	aC	0.09	0/608	0.30	0/824
3	bC	0.09	0/608	0.27	0/824
3	cC	0.08	0/608	0.27	0/824
4	aD	0.08	0/1094	0.21	0/1482
4	bD	0.08	0/1094	0.21	0/1482
4	cD	0.07	0/1094	0.21	0/1482
5	aE	0.06	0/551	0.20	0/750
5	bE	0.07	0/551	0.19	0/750
5	cE	0.07	0/551	0.20	0/750
6	aF	0.08	0/1087	0.23	0/1476
6	bF	0.08	0/1087	0.21	0/1476
6	cF	0.08	0/1087	0.20	0/1476
7	aI	0.09	0/312	0.25	0/425
7	bI	0.09	0/312	0.25	0/425
7	cI	0.09	0/312	0.24	0/425
8	aJ	0.07	0/350	0.20	0/477
8	bJ	0.07	0/350	0.19	0/477
8	cJ	0.07	0/350	0.19	0/477
9	aK	0.08	0/461	0.22	0/630
9	bK	0.07	0/461	0.22	0/630
9	cK	0.08	0/461	0.24	0/630
10	aL	0.07	0/1155	0.20	0/1567
10	bL	0.07	0/1155	0.22	0/1567
10	cL	0.07	0/1155	0.22	0/1567
11	aM	0.10	0/244	0.22	0/332
11	bM	0.07	0/244	0.19	0/332

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
11	cM	0.07	0/244	0.19	0/332
12	aX	0.07	0/252	0.16	0/342
12	bX	0.07	0/252	0.17	0/342
12	cX	0.07	0/252	0.17	0/342
13	S	0.09	0/2764	0.21	0/3775
13	T	0.09	0/2754	0.21	0/3760
13	U	0.09	0/2756	0.23	0/3763
13	V	0.09	0/2764	0.22	0/3775
13	W	0.09	0/2770	0.22	0/3783
13	X	0.10	0/2777	0.24	0/3793
13	Y	0.09	0/2770	0.22	0/3783
13	Z	0.09	0/2756	0.24	1/3763 (0.0%)
13	a	0.09	0/2762	0.22	0/3771
13	a1	0.07	0/2754	0.21	0/3760
13	a2	0.07	0/2746	0.20	0/3749
13	a3	0.08	0/2775	0.20	0/3790
13	a4	0.07	0/2775	0.20	0/3790
13	a5	0.08	0/2770	0.21	0/3783
13	a6	0.07	0/2762	0.19	0/3771
13	b	0.09	0/2770	0.21	0/3783
13	b1	0.07	0/2770	0.21	0/3783
13	b2	0.07	0/2762	0.20	0/3771
13	b3	0.07	0/2770	0.19	0/3783
13	b4	0.07	0/2775	0.19	0/3790
13	b5	0.07	0/2754	0.20	0/3760
13	b6	0.08	0/2746	0.22	0/3749
13	c	0.08	0/2764	0.21	0/3775
13	c1	0.08	0/2762	0.24	1/3771 (0.0%)
13	c2	0.07	0/2754	0.21	0/3760
13	c3	0.07	0/2770	0.19	0/3783
13	c4	0.08	0/2770	0.19	0/3783
13	c5	0.09	0/2762	0.22	0/3771
13	c6	0.08	0/2746	0.22	0/3749
13	d	0.09	0/2764	0.21	0/3775
13	e	0.09	0/2770	0.22	0/3783
13	f	0.09	0/2764	0.23	0/3775
13	g	0.09	0/2762	0.23	0/3771
13	h	0.09	0/2762	0.22	0/3771
13	i	0.08	0/2756	0.21	0/3763
13	j	0.10	0/2748	0.23	0/3752
13	k	0.09	0/2756	0.21	0/3763
13	l	0.09	0/2756	0.23	0/3763
13	m	0.09	0/2764	0.21	0/3775

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
13	n	0.08	0/2756	0.21	0/3763
13	o	0.08	0/2764	0.21	0/3775
13	p	0.09	0/2748	0.23	0/3752
13	q	0.09	0/2775	0.22	0/3790
All	All	0.08	0/173510	0.21	2/236783 (0.0%)

There are no bond length outliers.

All (2) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	c1	297	ILE	N-CA-C	-6.16	107.86	113.71
13	Z	297	ILE	N-CA-C	-6.10	107.92	113.71

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in the chain respectively. The H(added) column lists the number of hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes within the asymmetric unit, whereas Symm-Clashes lists symmetry-related clashes.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	aA	5819	0	5684	152	0
1	bA	5819	0	5684	157	0
1	cA	5819	0	5684	154	0
2	aB	5894	0	5650	134	0
2	bB	5894	0	5650	134	0
2	cB	5894	0	5650	135	0
3	aC	598	0	577	18	0
3	bC	598	0	577	12	0
3	cC	598	0	577	15	0
4	aD	1068	0	1067	23	0
4	bD	1068	0	1067	27	0
4	cD	1068	0	1067	22	0
5	aE	539	0	525	7	0
5	bE	539	0	525	2	0
5	cE	539	0	525	1	0
6	aF	1065	0	1074	22	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
6	bF	1065	0	1074	17	0
6	cF	1065	0	1074	16	0
7	aI	301	0	306	3	0
7	bI	301	0	306	3	0
7	cI	301	0	306	3	0
8	aJ	338	0	347	15	0
8	bJ	338	0	347	13	0
8	cJ	338	0	347	12	0
9	aK	452	0	464	5	0
9	bK	452	0	464	5	0
9	cK	452	0	464	3	0
10	aL	1126	0	1125	24	0
10	bL	1126	0	1125	19	0
10	cL	1126	0	1125	28	0
11	aM	241	0	264	6	0
11	bM	241	0	264	8	0
11	cM	241	0	264	6	0
12	aX	243	0	249	0	0
12	bX	243	0	249	0	0
12	cX	243	0	249	0	0
13	S	2674	0	2660	55	0
13	T	2665	0	2652	74	0
13	U	2667	0	2653	51	0
13	V	2674	0	2660	62	0
13	W	2680	0	2665	62	0
13	X	2687	0	2676	55	0
13	Y	2680	0	2665	59	0
13	Z	2667	0	2653	73	0
13	a	2673	0	2658	61	0
13	a1	2665	0	2652	63	0
13	a2	2657	0	2641	50	0
13	a3	2685	0	2670	51	0
13	a4	2685	0	2670	53	0
13	a5	2680	0	2665	58	0
13	a6	2673	0	2658	48	0
13	b	2680	0	2665	61	0
13	b1	2680	0	2665	59	0
13	b2	2673	0	2658	50	0
13	b3	2680	0	2665	52	0
13	b4	2685	0	2670	58	0
13	b5	2665	0	2652	64	0
13	b6	2657	0	2641	54	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
13	c	2674	0	2660	65	0
13	c1	2673	0	2658	62	0
13	c2	2665	0	2652	55	0
13	c3	2680	0	2665	45	0
13	c4	2680	0	2665	53	0
13	c5	2673	0	2658	63	0
13	c6	2657	0	2641	67	0
13	d	2674	0	2660	62	0
13	e	2680	0	2665	62	0
13	f	2674	0	2660	55	0
13	g	2673	0	2658	49	0
13	h	2673	0	2658	56	0
13	i	2667	0	2653	48	0
13	j	2659	0	2647	59	0
13	k	2667	0	2653	55	0
13	l	2667	0	2653	69	0
13	m	2674	0	2660	62	0
13	n	2667	0	2653	64	0
13	o	2674	0	2660	78	0
13	p	2659	0	2647	63	0
13	q	2685	0	2670	52	0
14	S	842	0	684	34	0
14	T	829	0	661	34	0
14	U	817	0	641	34	0
14	V	871	0	744	46	0
14	W	909	0	814	48	0
14	X	921	0	840	39	0
14	Y	918	0	836	42	0
14	Z	912	0	827	48	0
14	a	848	0	713	40	0
14	a1	959	0	905	41	0
14	a2	937	0	870	47	0
14	a3	972	0	932	52	0
14	a4	944	0	886	51	0
14	a5	949	0	890	49	0
14	a6	939	0	880	43	0
14	aA	2674	0	2682	187	0
14	aB	2443	0	2452	157	0
14	aF	45	0	33	3	0
14	aJ	106	0	92	1	0
14	aK	96	0	78	4	0
14	aL	190	0	203	11	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
14	aX	45	0	33	1	0
14	b	839	0	681	37	0
14	b1	947	0	885	46	0
14	b2	940	0	877	46	0
14	b3	963	0	913	46	0
14	b4	925	0	849	48	0
14	b5	959	0	906	46	0
14	b6	921	0	844	45	0
14	bA	2673	0	2680	174	0
14	bB	2431	0	2425	152	0
14	bF	45	0	33	3	0
14	bJ	104	0	88	1	0
14	bK	96	0	78	3	0
14	bL	190	0	203	12	0
14	bX	45	0	33	2	0
14	c	844	0	698	38	0
14	c1	953	0	893	56	0
14	c2	928	0	856	43	0
14	c3	953	0	897	49	0
14	c4	927	0	860	48	0
14	c5	950	0	894	48	0
14	c6	902	0	811	48	0
14	cA	2650	0	2635	174	0
14	cB	2410	0	2379	153	0
14	cF	45	0	33	2	0
14	cJ	106	0	92	3	0
14	cK	96	0	78	3	0
14	cL	190	0	203	9	0
14	cX	45	0	33	2	0
14	d	842	0	694	34	0
14	e	797	0	613	30	0
14	f	765	0	561	23	0
14	g	795	0	616	30	0
14	h	802	0	624	33	0
14	i	790	0	599	22	0
14	j	805	0	625	28	0
14	k	771	0	569	23	0
14	l	781	0	583	31	0
14	m	778	0	579	33	0
14	n	815	0	648	32	0
14	o	804	0	625	36	0
14	p	798	0	612	33	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
14	q	838	0	687	31	0
15	aA	33	0	46	7	0
15	aB	33	0	46	8	0
15	bA	33	0	46	4	0
15	bB	33	0	46	8	0
15	cA	33	0	46	7	0
15	cB	33	0	46	8	0
16	aA	8	0	0	1	0
16	aC	16	0	0	0	0
16	bA	8	0	0	0	0
16	bC	16	0	0	0	0
16	cA	8	0	0	0	0
16	cC	16	0	0	0	0
17	S	160	0	224	11	0
17	T	160	0	224	14	0
17	U	160	0	224	13	0
17	V	160	0	224	20	0
17	W	160	0	224	15	0
17	X	160	0	224	12	0
17	Y	160	0	224	15	0
17	Z	160	0	224	14	0
17	a	160	0	224	15	0
17	a1	160	0	224	12	0
17	a2	160	0	224	17	0
17	a3	160	0	224	17	0
17	a4	160	0	224	18	0
17	a5	160	0	224	20	0
17	a6	160	0	224	15	0
17	aA	200	0	280	26	0
17	aB	240	0	336	32	0
17	aF	120	0	168	14	0
17	aI	120	0	168	10	0
17	aJ	80	0	112	17	0
17	aK	40	0	56	6	0
17	aL	40	0	56	5	0
17	aM	40	0	56	5	0
17	b	160	0	224	14	0
17	b1	160	0	224	13	0
17	b2	160	0	224	16	0
17	b3	160	0	224	17	0
17	b4	160	0	224	14	0
17	b5	160	0	224	17	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
17	b6	160	0	224	10	0
17	bA	200	0	280	24	0
17	bB	240	0	336	36	0
17	bF	120	0	168	19	0
17	bI	120	0	168	9	0
17	bJ	80	0	112	15	0
17	bK	40	0	56	5	0
17	bL	40	0	56	7	0
17	bM	40	0	56	6	0
17	c	160	0	224	17	0
17	c1	160	0	224	19	0
17	c2	160	0	224	16	0
17	c3	160	0	224	14	0
17	c4	160	0	224	21	0
17	c5	160	0	224	14	0
17	c6	160	0	224	15	0
17	cA	200	0	280	25	0
17	cB	240	0	336	29	0
17	cF	120	0	168	17	0
17	cI	120	0	168	11	0
17	cJ	80	0	112	11	0
17	cK	40	0	56	5	0
17	cL	40	0	56	6	0
17	cM	40	0	56	4	0
17	d	160	0	224	18	0
17	e	160	0	224	20	0
17	f	160	0	224	13	0
17	g	160	0	224	22	0
17	h	160	0	224	19	0
17	i	160	0	224	15	0
17	j	160	0	224	14	0
17	k	160	0	224	17	0
17	l	160	0	224	17	0
17	m	160	0	224	17	0
17	n	160	0	224	21	0
17	o	160	0	224	18	0
17	p	160	0	224	14	0
17	q	160	0	224	15	0
18	aA	208	0	272	12	0
18	aX	39	0	48	3	0
18	bA	210	0	279	13	0
18	bX	39	0	48	1	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
18	cA	206	0	268	15	0
18	cX	39	0	48	2	0
19	aA	47	0	65	3	0
19	aB	35	0	46	2	0
19	aJ	22	0	28	1	0
19	bA	47	0	65	1	0
19	bB	35	0	46	2	0
19	bJ	22	0	28	1	0
19	cA	47	0	65	2	0
19	cB	35	0	46	1	0
19	cJ	21	0	26	1	0
20	S	31	0	26	1	0
20	T	31	0	26	0	0
20	V	31	0	26	0	0
20	W	32	0	28	1	0
20	X	36	0	35	0	0
20	Y	33	0	30	1	0
20	Z	29	0	22	1	0
20	a1	31	0	26	1	0
20	a2	33	0	30	0	0
20	a3	38	0	39	1	0
20	a4	36	0	36	2	0
20	a5	33	0	29	0	0
20	a6	31	0	25	0	0
20	aB	42	0	47	4	0
20	b	31	0	25	0	0
20	b1	31	0	26	0	0
20	b2	32	0	27	0	0
20	b3	37	0	38	1	0
20	b4	33	0	30	2	0
20	b5	30	0	24	0	0
20	b6	30	0	24	0	0
20	bB	42	0	48	3	0
20	c	31	0	26	1	0
20	c1	31	0	25	1	0
20	c2	31	0	26	0	0
20	c3	32	0	28	0	0
20	c4	33	0	30	1	0
20	c5	31	0	25	1	0
20	c6	30	0	24	1	0
20	cB	39	0	41	3	0
20	d	31	0	25	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
20	e	32	0	28	0	0
20	f	30	0	23	0	0
20	g	30	0	24	1	0
20	h	32	0	27	0	0
20	i	30	0	24	0	0
20	m	29	0	22	1	0
20	n	31	0	25	1	0
20	p	31	0	25	1	0
20	q	26	0	15	0	0
21	a1	40	0	50	1	0
21	a2	40	0	50	1	0
21	a6	38	0	46	0	0
21	aB	49	0	71	1	0
21	aJ	31	0	32	1	0
21	b1	35	0	40	1	0
21	b2	40	0	50	1	0
21	bB	49	0	71	3	0
21	bJ	29	0	28	1	0
21	c1	39	0	48	0	0
21	cB	49	0	71	1	0
21	cJ	31	0	32	0	0
22	aL	1	0	0	0	0
22	bL	1	0	0	0	0
22	cL	1	0	0	0	0
All	All	235011	0	232195	5433	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 12.

All (5433) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:cA:1107:CLA:HBB1	17:cJ:4012:BCR:HC8	1.57	0.86
14:bA:1107:CLA:HBB1	17:bJ:4012:BCR:HC8	1.58	0.85
14:aA:1107:CLA:HBB1	17:aJ:4012:BCR:HC8	1.56	0.84
14:cA:1013:CLA:H111	17:cA:4011:BCR:H23C	1.59	0.83
1:aA:66:GLU:HG2	1:aA:187:LEU:HB2	1.61	0.83
14:c6:506:CLA:HBB2	14:c6:507:CLA:H52	1.63	0.80
13:j:304:THR:O	13:j:304:THR:HG22	1.78	0.80
14:b3:506:CLA:HBB2	14:b3:507:CLA:H52	1.63	0.80
14:a2:506:CLA:HBB2	14:a2:507:CLA:H52	1.63	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:cA:66:GLU:HG2	1:cA:187:LEU:HB2	1.62	0.79
13:b6:304:THR:O	13:b6:304:THR:HG22	1.82	0.79
13:m:304:THR:O	13:m:304:THR:HG22	1.82	0.79
13:a2:304:THR:O	13:a2:304:THR:HG22	1.82	0.79
13:b5:304:THR:HG22	13:b5:304:THR:O	1.82	0.79
13:b:304:THR:O	13:b:304:THR:HG22	1.83	0.79
17:aA:4011:BCR:H23C	14:aA:1013:CLA:H111	1.65	0.79
13:c2:304:THR:HG22	13:c2:304:THR:O	1.81	0.79
14:c4:506:CLA:HBB2	14:c4:507:CLA:H52	1.65	0.79
14:U:512:CLA:HHC	14:U:512:CLA:HBB1	1.65	0.79
14:Z:503:CLA:H152	14:Z:510:CLA:HBB2	1.65	0.78
13:c6:307:LEU:HD12	13:c6:308:PRO:HD2	1.65	0.78
13:b2:304:THR:HG22	13:b2:304:THR:O	1.83	0.78
13:Y:304:THR:HG22	13:Y:304:THR:O	1.82	0.78
13:W:304:THR:O	13:W:304:THR:HG22	1.82	0.78
13:b1:304:THR:O	13:b1:304:THR:HG22	1.84	0.77
13:X:304:THR:O	13:X:304:THR:HG22	1.84	0.77
13:a4:304:THR:HG22	13:a4:304:THR:O	1.84	0.77
13:b4:304:THR:O	13:b4:304:THR:HG22	1.81	0.77
14:c2:503:CLA:H172	14:c2:510:CLA:HBB2	1.66	0.77
14:a5:506:CLA:HBB2	14:a5:507:CLA:H52	1.65	0.77
13:Z:304:THR:O	13:Z:304:THR:HG22	1.84	0.77
13:c2:16:LEU:HD22	13:c2:254:GLU:HG3	1.67	0.77
13:c4:304:THR:HG22	13:c4:304:THR:O	1.84	0.77
13:i:304:THR:HG22	13:i:304:THR:O	1.85	0.77
14:cA:1102:CLA:H2	14:cA:1109:CLA:H92	1.67	0.77
1:bA:66:GLU:HG2	1:bA:187:LEU:HB2	1.64	0.77
13:b3:304:THR:HG22	13:b3:304:THR:O	1.85	0.77
14:bL:1501:CLA:H43	17:bL:4022:BCR:H12C	1.67	0.77
13:o:304:THR:O	13:o:304:THR:HG22	1.83	0.77
14:cL:1501:CLA:H43	17:cL:4022:BCR:H12C	1.66	0.76
13:e:304:THR:O	13:e:304:THR:HG22	1.84	0.76
13:f:304:THR:HG22	13:f:304:THR:O	1.84	0.76
13:c6:304:THR:O	13:c6:304:THR:HG22	1.84	0.76
13:c6:322:HIS:NE2	14:c6:502:CLA:ND	2.33	0.76
14:b2:506:CLA:HBB2	14:b2:507:CLA:H52	1.68	0.76
13:c1:304:THR:HG22	13:c1:304:THR:O	1.84	0.76
13:a3:304:THR:HG22	13:a3:304:THR:O	1.86	0.76
13:c:304:THR:O	13:c:304:THR:HG22	1.85	0.76
13:S:304:THR:HG22	13:S:304:THR:O	1.84	0.75
17:bA:4011:BCR:H23C	14:bA:1013:CLA:H111	1.68	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:bA:1102:CLA:H2	14:bA:1109:CLA:H92	1.68	0.75
13:o:125:HIS:NE2	14:o:513:CLA:NB	2.34	0.75
14:b1:503:CLA:H151	14:b1:510:CLA:HBB2	1.66	0.75
13:k:304:THR:O	13:k:304:THR:HG22	1.85	0.75
17:aA:4011:BCR:H362	14:aB:1012:CLA:H2	1.68	0.75
2:cB:289:HIS:NE2	14:cB:1217:CLA:NC	2.34	0.75
13:a4:236:HIS:HE1	14:a4:506:CLA:NC	1.84	0.75
13:V:287:TYR:HB3	13:V:315:ARG:HB2	1.69	0.74
13:a1:304:THR:HG22	13:a1:304:THR:O	1.85	0.74
13:o:248:LEU:HD13	17:o:524:BCR:HC32	1.68	0.74
2:bB:156:HIS:HE1	14:bB:1208:CLA:NA	1.86	0.74
13:g:112:LEU:HG	17:g:522:BCR:H12C	1.69	0.74
14:aA:1102:CLA:H2	14:aA:1109:CLA:H92	1.68	0.74
13:l:32:ASN:OD1	14:l:511:CLA:NC	2.21	0.74
13:c6:236:HIS:HE1	14:c6:506:CLA:NA	1.87	0.73
14:g:505:CLA:H43	17:g:524:BCR:HC7	1.70	0.73
13:j:174:LYS:HA	13:j:178:TRP:HB2	1.70	0.73
1:cA:453:PHE:HB3	14:cA:1132:CLA:HBB2	1.68	0.73
13:c:287:TYR:HB3	13:c:315:ARG:HB2	1.69	0.73
13:V:304:THR:HG22	13:V:304:THR:O	1.88	0.73
13:d:304:THR:HG22	13:d:304:THR:O	1.88	0.73
1:aA:115:GLN:OE1	14:aA:1106:CLA:NA	2.22	0.73
14:aL:1501:CLA:H43	17:aL:4022:BCR:H12C	1.70	0.73
13:c5:236:HIS:HE1	14:c5:506:CLA:NA	1.87	0.73
17:bA:4011:BCR:H362	14:bB:1012:CLA:H2	1.71	0.73
14:Y:503:CLA:H152	14:Y:510:CLA:HBB2	1.69	0.73
14:c1:506:CLA:HBB2	14:c1:507:CLA:H52	1.71	0.73
13:c3:304:THR:O	13:c3:304:THR:HG22	1.88	0.73
1:aA:453:PHE:HB3	14:aA:1132:CLA:HBB2	1.71	0.72
14:bA:1119:CLA:H102	17:bA:4008:BCR:H10C	1.72	0.72
13:e:106:VAL:HG22	17:e:523:BCR:HC22	1.71	0.72
13:h:304:THR:O	13:h:304:THR:HG22	1.88	0.72
13:k:125:HIS:NE2	14:k:513:CLA:NB	2.37	0.72
14:cA:1119:CLA:H102	17:cA:4008:BCR:H10C	1.72	0.72
14:c1:503:CLA:H151	14:c1:510:CLA:HBB2	1.69	0.72
13:l:35:PHE:HZ	14:l:509:CLA:HAB	1.55	0.72
14:a1:506:CLA:HBB2	14:a1:507:CLA:H52	1.69	0.72
17:cA:4011:BCR:H362	14:cB:1012:CLA:H2	1.70	0.72
13:o:35:PHE:HZ	14:o:509:CLA:HAB	1.55	0.71
13:a1:248:LEU:HD13	17:a1:524:BCR:HC32	1.73	0.71
13:f:72:LEU:HB2	13:f:77:GLN:HE21	1.55	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:f:303:ASP:HB3	13:f:305:ILE:HG22	1.71	0.71
14:aB:1203:CLA:H162	14:aB:1225:CLA:HBB2	1.73	0.71
14:cB:1214:CLA:HBA2	14:cB:1223:CLA:HBB2	1.73	0.71
13:c1:72:LEU:HB2	13:c1:77:GLN:HE21	1.55	0.71
13:W:192:ILE:HG23	13:W:216:GLU:HG2	1.73	0.71
13:p:84:HIS:HD1	13:p:287:TYR:HH	1.39	0.71
14:bB:1214:CLA:HBA2	14:bB:1223:CLA:HBB2	1.71	0.71
13:b3:72:LEU:HB2	13:b3:77:GLN:HE21	1.56	0.71
14:aB:1214:CLA:HBA2	14:aB:1223:CLA:HBB2	1.73	0.70
13:a2:72:LEU:HB2	13:a2:77:GLN:HE21	1.56	0.70
13:a6:248:LEU:HD13	17:a6:524:BCR:HC32	1.72	0.70
13:c:331:GLN:OE1	14:c:518:CLA:ND	2.23	0.70
14:X:506:CLA:HBB2	14:X:507:CLA:H52	1.73	0.70
14:X:503:CLA:H151	14:X:510:CLA:HBB2	1.74	0.70
13:b3:35:PHE:HZ	14:b3:509:CLA:HAB	1.56	0.70
13:c2:175:ALA:HB1	13:c2:192:ILE:HD13	1.74	0.70
14:S:508:CLA:H43	14:S:511:CLA:HAC1	1.74	0.70
13:j:236:HIS:HE1	14:j:506:CLA:NA	1.90	0.70
13:U:159:HIS:NE2	14:U:516:CLA:NB	2.39	0.70
13:a:106:VAL:HG22	17:a:523:BCR:HC22	1.72	0.70
13:b5:125:HIS:HE1	14:b5:513:CLA:NC	1.88	0.70
13:W:161:LEU:HD21	14:W:506:CLA:HAB	1.72	0.70
14:a4:508:CLA:H102	17:a4:521:BCR:H21C	1.72	0.70
13:X:287:TYR:HB3	13:X:315:ARG:HB2	1.73	0.69
1:cA:744:TRP:NE1	14:cA:1126:CLA:O1A	2.20	0.69
13:i:236:HIS:HE1	14:i:506:CLA:NC	1.90	0.69
13:n:35:PHE:HZ	14:n:509:CLA:HAB	1.56	0.69
13:c:125:HIS:HE1	14:c:513:CLA:NA	1.91	0.69
14:c:505:CLA:H43	17:c:524:BCR:HC7	1.75	0.69
13:a6:236:HIS:HE1	14:a6:506:CLA:NA	1.89	0.69
1:cA:583:ARG:HG2	3:cC:78:GLY:HA3	1.73	0.69
14:b3:503:CLA:H151	14:b3:510:CLA:HBB2	1.75	0.69
13:b:113:ILE:HG23	14:c:505:CLA:H111	1.75	0.69
13:g:45:ALA:HB2	14:g:511:CLA:HMA1	1.75	0.69
2:aB:636:SER:O	2:aB:640:ASN:ND2	2.26	0.69
13:a6:304:THR:HG22	13:a6:304:THR:O	1.92	0.69
13:U:160:HIS:NE2	14:U:512:CLA:ND	2.40	0.69
13:i:45:ALA:HB2	14:i:511:CLA:HMA1	1.74	0.69
13:p:45:ALA:HB2	14:p:511:CLA:HMA1	1.73	0.69
13:b5:161:LEU:HD21	14:b5:506:CLA:HAB	1.75	0.69
1:cA:647:ASN:OD1	1:cA:651:ARG:NH1	2.25	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:h:174:LYS:HA	13:h:178:TRP:HB2	1.75	0.69
13:S:69:LYS:O	13:S:77:GLN:NE2	2.26	0.69
13:b5:32:ASN:OD1	14:b5:511:CLA:NC	2.26	0.68
13:i:303:ASP:HB3	13:i:305:ILE:HG22	1.73	0.68
13:j:250:MET:SD	13:k:128:ARG:NH2	2.66	0.68
1:bA:744:TRP:NE1	14:bA:1126:CLA:O1A	2.22	0.68
13:Y:303:ASP:HB3	13:Y:305:ILE:HG22	1.75	0.68
14:bB:1238:CLA:HAB	15:bB:2002:PQN:H162	1.74	0.68
13:b3:158:GLY:HA3	13:b3:237:ILE:HG13	1.75	0.68
13:T:142:ARG:O	13:T:152:GLN:NE2	2.27	0.68
13:U:304:THR:O	13:U:304:THR:HG22	1.93	0.68
14:bB:1210:CLA:H42	17:bB:4005:BCR:H19C	1.76	0.68
13:S:341:MET:HE3	13:T:128:ARG:HB2	1.76	0.68
13:f:139:ARG:H	13:f:139:ARG:HD3	1.59	0.68
13:l:297:ILE:O	14:l:519:CLA:ND	2.26	0.68
1:aA:120:ILE:HB	17:aJ:4013:BCR:H322	1.76	0.68
17:aA:4002:BCR:H362	17:aA:4003:BCR:H10C	1.76	0.68
2:bB:393:HIS:HE1	14:bB:1226:CLA:NA	1.90	0.68
14:c6:508:CLA:H2	14:c6:510:CLA:H12	1.76	0.68
13:Y:246:ARG:HA	13:Y:251:PHE:HE1	1.59	0.68
13:a:304:THR:HG22	13:a:304:THR:O	1.92	0.68
13:q:287:TYR:HB3	13:q:315:ARG:HB2	1.76	0.68
13:c4:72:LEU:HB2	13:c4:77:GLN:HE21	1.58	0.68
13:k:69:LYS:O	13:k:77:GLN:NE2	2.26	0.68
2:bB:156:HIS:CE1	14:bB:1208:CLA:NA	2.62	0.68
14:b4:506:CLA:HBB2	14:b4:507:CLA:H52	1.76	0.68
13:l:322:HIS:NE2	14:l:502:CLA:ND	2.41	0.68
13:n:69:LYS:O	13:n:77:GLN:NE2	2.26	0.68
14:a6:506:CLA:HBB2	14:a6:507:CLA:H52	1.76	0.68
1:bA:120:ILE:HB	17:bJ:4013:BCR:H322	1.75	0.68
14:b1:506:CLA:HAB	14:b1:507:CLA:H72	1.76	0.68
13:n:125:HIS:HE1	14:n:513:CLA:ND	1.91	0.68
14:aB:1235:CLA:H161	17:aF:4016:BCR:H23C	1.76	0.67
13:c1:46:HIS:CE1	14:c1:509:CLA:NB	2.62	0.67
13:j:35:PHE:HZ	14:j:509:CLA:HAB	1.59	0.67
13:n:331:GLN:OE1	14:n:518:CLA:ND	2.27	0.67
14:b3:501:CLA:HBB2	14:b3:507:CLA:H92	1.76	0.67
14:bB:1208:CLA:H61	19:bB:1843:LMU:H61	1.76	0.67
8:cJ:21:ILE:HA	14:cJ:1302:CLA:HBB2	1.74	0.67
13:S:287:TYR:HB3	13:S:315:ARG:HB2	1.76	0.67
14:T:505:CLA:H51	17:T:524:BCR:H342	1.76	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:l:43:ILE:HD11	14:l:512:CLA:HBC3	1.75	0.67
1:bA:647:ASN:OD1	1:bA:651:ARG:NH1	2.27	0.67
10:bL:34:ASN:HB3	14:bL:1501:CLA:HAC1	1.77	0.67
14:b5:508:CLA:H2	14:b5:510:CLA:H12	1.77	0.67
13:Y:72:LEU:HB2	13:Y:77:GLN:HE21	1.58	0.67
6:aF:53:SER:HA	6:aF:56:LYS:HE2	1.77	0.67
13:b2:32:ASN:OD1	14:b2:511:CLA:NC	2.27	0.67
13:h:106:VAL:HG22	17:h:523:BCR:HC22	1.76	0.67
13:o:158:GLY:HA3	13:o:237:ILE:HG13	1.77	0.67
13:b6:266:LEU:HD13	14:b6:505:CLA:H122	1.76	0.67
13:a4:127:PHE:HB2	13:a5:341:MET:HE2	1.77	0.67
13:a:72:LEU:O	13:a:77:GLN:NE2	2.27	0.67
13:m:79:LEU:HD13	13:m:82:LEU:HD12	1.77	0.67
13:p:341:MET:HE3	13:q:128:ARG:HB2	1.77	0.67
2:aB:393:HIS:HE1	14:aB:1226:CLA:NA	1.92	0.67
14:X:505:CLA:H51	17:X:524:BCR:H342	1.77	0.67
14:a3:506:CLA:HAB	14:a3:507:CLA:H71	1.74	0.66
10:cL:34:ASN:HB3	14:cL:1501:CLA:HAC1	1.77	0.66
14:c2:510:CLA:HED2	14:c2:510:CLA:H2	1.78	0.66
13:k:331:GLN:OE1	14:k:518:CLA:ND	2.28	0.66
13:j:236:HIS:CE1	14:j:506:CLA:NA	2.63	0.66
13:p:303:ASP:HB3	13:p:305:ILE:HG22	1.76	0.66
14:m:507:CLA:HED2	14:m:507:CLA:H2A	1.76	0.66
1:aA:127:ASN:HB3	1:aA:135:HIS:HB3	1.77	0.66
14:a3:506:CLA:HBB2	14:a3:507:CLA:H52	1.77	0.66
14:cB:1201:CLA:H3A	11:cM:29:LEU:HD13	1.76	0.66
14:c3:508:CLA:H71	17:c3:521:BCR:H23C	1.77	0.66
13:T:106:VAL:HG22	17:T:523:BCR:HC22	1.76	0.66
1:aA:744:TRP:NE1	14:aA:1126:CLA:O1A	2.20	0.66
14:a4:506:CLA:HBB2	14:a4:507:CLA:H52	1.78	0.66
13:a6:79:LEU:HD13	13:a6:82:LEU:HD12	1.77	0.66
13:c5:125:HIS:HA	13:c5:129:ALA:HB3	1.78	0.66
13:a:236:HIS:HE1	14:a:506:CLA:NA	1.92	0.66
1:cA:411:HIS:HE1	14:cA:1128:CLA:NA	1.94	0.66
17:cA:4002:BCR:H362	17:cA:4003:BCR:H10C	1.76	0.66
14:aA:1104:CLA:HED1	14:aA:1128:CLA:H2	1.78	0.66
13:l:64:GLU:HB3	13:l:79:LEU:HG	1.78	0.66
14:aA:1140:CLA:HAC1	15:aA:2001:PQN:H192	1.78	0.66
13:c3:72:LEU:HB2	13:c3:77:GLN:HE21	1.61	0.66
13:Z:266:LEU:HD13	14:Z:505:CLA:H122	1.78	0.66
13:a:69:LYS:O	13:a:77:GLN:NE2	2.27	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:U:69:LYS:O	13:U:77:GLN:NE2	2.29	0.66
13:b:125:HIS:HE1	14:b:513:CLA:NA	1.92	0.66
13:e:266:LEU:HD13	14:e:505:CLA:H122	1.78	0.66
13:k:322:HIS:NE2	14:k:502:CLA:ND	2.44	0.66
13:m:43:ILE:HD11	14:m:512:CLA:HBC3	1.78	0.66
13:q:79:LEU:HD13	13:q:82:LEU:HD12	1.77	0.66
14:c4:501:CLA:HMB2	17:c4:524:BCR:H23C	1.77	0.66
13:m:41:LEU:HB3	14:m:511:CLA:HMA1	1.78	0.66
6:aF:64:ALA:HA	6:aF:82:ARG:HH22	1.61	0.65
13:a1:158:GLY:HA3	13:a1:237:ILE:HG13	1.78	0.65
13:a2:236:HIS:HE1	14:a2:506:CLA:NA	1.95	0.65
9:cK:19:VAL:O	9:cK:23:ASN:ND2	2.29	0.65
14:c3:503:CLA:H151	14:c3:510:CLA:HBB2	1.78	0.65
1:aA:647:ASN:OD1	1:aA:651:ARG:NH1	2.28	0.65
13:b:125:HIS:NE2	14:b:513:CLA:NB	2.45	0.65
13:l:232:GLY:O	13:l:236:HIS:ND1	2.27	0.65
13:a6:324:PHE:HD2	17:a6:521:BCR:H10C	1.61	0.65
2:cB:156:HIS:CE1	14:cB:1208:CLA:NA	2.64	0.65
13:f:236:HIS:HE1	14:f:506:CLA:NA	1.94	0.65
13:a5:236:HIS:HE1	14:a5:506:CLA:NA	1.95	0.65
13:c1:236:HIS:HE1	14:c1:506:CLA:NA	1.94	0.65
14:c2:508:CLA:H2	14:c2:510:CLA:H12	1.79	0.65
13:V:248:LEU:HD13	17:V:524:BCR:HC32	1.78	0.65
13:W:236:HIS:HE1	14:W:506:CLA:NA	1.94	0.65
14:Y:505:CLA:H51	17:Y:524:BCR:H342	1.78	0.65
13:e:126:THR:HG21	17:e:522:BCR:H271	1.79	0.65
14:bA:1134:CLA:H43	14:bK:1401:CLA:H43	1.78	0.65
2:bB:419:LYS:HB2	2:bB:546:LEU:HD13	1.78	0.65
13:S:322:HIS:NE2	14:S:502:CLA:ND	2.44	0.65
13:e:236:HIS:HE1	14:e:506:CLA:NA	1.95	0.65
2:aB:355:HIS:ND1	14:aB:1214:CLA:OBD	2.28	0.65
13:a6:266:LEU:HD13	14:a6:505:CLA:H122	1.78	0.65
14:cB:1203:CLA:H162	14:cB:1225:CLA:HBB2	1.78	0.65
13:a2:175:ALA:HB1	13:a2:192:ILE:HD13	1.78	0.65
13:b5:35:PHE:HZ	14:b5:509:CLA:HAB	1.62	0.65
13:c5:303:ASP:HB3	13:c5:305:ILE:HG22	1.77	0.65
14:c5:503:CLA:H152	14:c5:510:CLA:HBB2	1.78	0.65
14:c6:502:CLA:H12	14:c6:503:CLA:H42	1.79	0.65
13:S:303:ASP:HB3	13:S:305:ILE:HG22	1.79	0.65
13:d:79:LEU:HD13	13:d:82:LEU:HD12	1.77	0.65
13:o:54:VAL:HG13	13:o:111:HIS:HD2	1.62	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:b4:45:ALA:HB2	14:b4:511:CLA:HMA1	1.79	0.65
1:cA:120:ILE:HB	17:cJ:4013:BCR:H322	1.79	0.65
14:c3:506:CLA:HBB2	14:c3:507:CLA:H52	1.79	0.65
14:c6:508:CLA:H52	14:c6:510:CLA:H2	1.79	0.65
13:W:125:HIS:NE2	14:W:513:CLA:NB	2.45	0.65
13:j:32:ASN:OD1	14:j:511:CLA:NC	2.30	0.65
13:p:43:ILE:HD11	14:p:512:CLA:HBC3	1.79	0.65
13:e:236:HIS:CE1	14:e:506:CLA:NA	2.65	0.65
13:a6:35:PHE:HZ	14:a6:509:CLA:HAB	1.62	0.64
1:bA:458:LEU:O	1:bA:462:ASN:ND2	2.30	0.64
13:b2:236:HIS:HE1	14:b2:506:CLA:NA	1.95	0.64
1:cA:120:ILE:HG13	1:cA:121:VAL:HG13	1.80	0.64
2:cB:156:HIS:HE1	14:cB:1208:CLA:NA	1.93	0.64
14:cB:1235:CLA:H161	17:cF:4016:BCR:H23C	1.78	0.64
14:c4:503:CLA:H172	14:c4:510:CLA:HBB2	1.79	0.64
13:c6:125:HIS:NE2	14:c6:513:CLA:NB	2.45	0.64
13:T:174:LYS:NZ	13:T:180:GLY:O	2.30	0.64
13:k:303:ASP:HB3	13:k:305:ILE:HG22	1.78	0.64
13:m:174:LYS:NZ	13:m:180:GLY:O	2.28	0.64
1:aA:120:ILE:HG13	1:aA:121:VAL:HG13	1.79	0.64
14:aB:1222:CLA:H122	14:aB:1232:CLA:HBB2	1.79	0.64
13:b1:266:LEU:HD13	14:b1:505:CLA:H122	1.80	0.64
13:c3:79:LEU:HD13	13:c3:82:LEU:HD12	1.79	0.64
13:V:158:GLY:HA3	13:V:237:ILE:HG13	1.77	0.64
13:q:236:HIS:CE1	14:q:506:CLA:NA	2.65	0.64
1:bA:127:ASN:HB3	1:bA:135:HIS:HB3	1.80	0.64
13:b2:79:LEU:HD13	13:b2:82:LEU:HD12	1.78	0.64
14:c2:508:CLA:H93	17:c2:521:BCR:H21C	1.80	0.64
1:aA:458:LEU:O	1:aA:462:ASN:ND2	2.30	0.64
13:Y:106:VAL:HG22	17:Y:523:BCR:HC22	1.78	0.64
13:o:125:HIS:HE1	14:o:513:CLA:NA	1.96	0.64
1:aA:323:HIS:HE1	14:aA:1120:CLA:NA	1.94	0.64
13:a3:175:ALA:HB1	13:a3:192:ILE:HD13	1.78	0.64
17:bA:4002:BCR:H362	17:bA:4003:BCR:H10C	1.78	0.64
17:cB:4009:BCR:H383	17:cB:4010:BCR:H23C	1.80	0.64
13:h:125:HIS:HE1	14:h:513:CLA:NA	1.95	0.64
13:q:304:THR:HG22	13:q:304:THR:O	1.98	0.64
2:aB:289:HIS:NE2	14:aB:1217:CLA:NC	2.46	0.64
1:cA:323:HIS:NE2	14:cA:1120:CLA:ND	2.44	0.64
13:c1:266:LEU:HD13	14:c1:505:CLA:H122	1.78	0.64
13:f:43:ILE:HD11	14:f:512:CLA:HBC3	1.80	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:i:125:HIS:NE2	14:i:513:CLA:NB	2.46	0.64
13:b2:158:GLY:HA3	13:b2:237:ILE:HG13	1.80	0.64
2:cB:482:LEU:HA	2:cB:490:SER:HB2	1.80	0.64
13:Z:125:HIS:HE1	14:Z:513:CLA:NA	1.96	0.64
13:d:303:ASP:HB3	13:d:305:ILE:HG22	1.79	0.64
13:a2:79:LEU:HD13	13:a2:82:LEU:HD12	1.79	0.64
13:a4:158:GLY:HA3	13:a4:237:ILE:HG13	1.78	0.64
13:b4:158:GLY:HA3	13:b4:237:ILE:HG13	1.78	0.64
13:b4:236:HIS:HE1	14:b4:506:CLA:NA	1.96	0.64
13:T:236:HIS:HE1	14:T:506:CLA:ND	1.95	0.64
13:p:79:LEU:HD13	13:p:82:LEU:HD12	1.80	0.64
13:T:287:TYR:HB3	13:T:315:ARG:HB2	1.79	0.64
13:e:261:LEU:HD21	14:e:508:CLA:HAB	1.78	0.64
13:n:287:TYR:HB3	13:n:315:ARG:HB2	1.78	0.64
1:cA:300:HIS:ND1	14:cA:1116:CLA:NB	2.45	0.64
13:c4:79:LEU:HD13	13:c4:82:LEU:HD12	1.80	0.64
14:c6:508:CLA:H43	14:c6:511:CLA:HAC1	1.79	0.64
13:W:282:TYR:O	13:W:315:ARG:NH2	2.29	0.64
13:h:72:LEU:HB2	13:h:77:GLN:HE21	1.63	0.64
13:p:69:LYS:O	13:p:77:GLN:NE2	2.31	0.64
2:bB:194:LEU:HA	2:bB:198:ALA:HB3	1.80	0.63
2:bB:289:HIS:NE2	14:bB:1217:CLA:NC	2.46	0.63
13:b5:236:HIS:HE1	14:b5:506:CLA:NC	1.96	0.63
1:cA:458:LEU:O	1:cA:462:ASN:ND2	2.31	0.63
13:d:174:LYS:HA	13:d:178:TRP:HB2	1.80	0.63
13:i:248:LEU:HD13	17:i:524:BCR:HC32	1.78	0.63
13:a1:241:PRO:HA	14:a1:506:CLA:HED3	1.81	0.63
14:a4:518:CLA:HBC2	20:a4:822:SQD:H282	1.80	0.63
2:bB:355:HIS:ND1	14:bB:1214:CLA:OBD	2.32	0.63
13:T:54:VAL:HG13	13:T:111:HIS:HD1	1.63	0.63
13:Z:94:GLU:HG2	13:Z:188:THR:HG23	1.81	0.63
1:aA:583:ARG:HG2	3:aC:78:GLY:HA3	1.80	0.63
14:aB:1227:CLA:H2	18:aX:4021:LHG:HC92	1.79	0.63
2:cB:355:HIS:ND1	14:cB:1214:CLA:OBD	2.32	0.63
13:U:282:TYR:O	13:U:315:ARG:NH2	2.30	0.63
13:o:95:GLY:HA2	13:o:187:GLN:HB3	1.80	0.63
14:a2:505:CLA:H51	17:a2:524:BCR:H342	1.80	0.63
13:a3:236:HIS:HE1	14:a3:506:CLA:NA	1.96	0.63
14:bB:1222:CLA:H122	14:bB:1232:CLA:HBB2	1.79	0.63
2:cB:299:HIS:CE1	14:cB:1218:CLA:NA	2.66	0.63
14:cB:1208:CLA:H61	19:cB:1843:LMU:H61	1.79	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:c1:291:LEU:HG	13:c1:315:ARG:HD2	1.80	0.63
13:c:282:TYR:O	13:c:315:ARG:NH2	2.32	0.63
13:q:236:HIS:HE1	14:q:506:CLA:NA	1.96	0.63
8:aJ:28:GLU:OE1	8:aJ:31:ARG:NH2	2.32	0.63
14:a1:506:CLA:HAB	14:a1:507:CLA:H71	1.80	0.63
13:b6:174:LYS:NZ	13:b6:180:GLY:O	2.31	0.63
13:c2:282:TYR:O	13:c2:315:ARG:NH2	2.29	0.63
13:V:126:THR:HG21	17:V:522:BCR:H271	1.79	0.63
13:Y:266:LEU:HD13	14:Y:505:CLA:H122	1.80	0.63
1:bA:179:HIS:HE1	14:bA:1108:CLA:NA	1.97	0.63
13:W:236:HIS:CE1	14:W:506:CLA:NA	2.66	0.63
13:k:174:LYS:HA	13:k:178:TRP:HB2	1.80	0.63
13:l:106:VAL:HG22	17:l:523:BCR:HC22	1.80	0.63
14:aB:1023:CLA:H143	17:aB:4017:BCR:H362	1.81	0.63
14:c1:502:CLA:H12	14:c1:503:CLA:H42	1.80	0.63
13:a:236:HIS:CE1	14:a:506:CLA:NA	2.67	0.63
13:b:69:LYS:O	13:b:77:GLN:NE2	2.32	0.63
13:a5:304:THR:O	13:a5:304:THR:HG22	1.99	0.63
1:bA:583:ARG:HG2	3:bC:78:GLY:HA3	1.80	0.63
2:cB:419:LYS:HB2	2:cB:546:LEU:HD13	1.80	0.63
13:W:266:LEU:HD13	14:W:505:CLA:H122	1.80	0.63
13:k:125:HIS:HE1	14:k:513:CLA:NA	1.96	0.63
1:aA:524:VAL:HG22	1:aA:625:VAL:HG23	1.79	0.63
4:aD:39:VAL:HG22	4:aD:49:VAL:HG22	1.81	0.63
14:a4:501:CLA:HMB2	17:a4:524:BCR:H23C	1.81	0.63
1:bA:120:ILE:HG13	1:bA:121:VAL:HG13	1.80	0.63
13:b1:158:GLY:HA3	13:b1:237:ILE:HG13	1.81	0.63
14:b1:508:CLA:H2A	14:b1:508:CLA:HED3	1.80	0.63
1:cA:179:HIS:HE1	14:cA:1108:CLA:NA	1.97	0.63
13:i:69:LYS:O	13:i:77:GLN:NE2	2.31	0.63
14:a3:518:CLA:HBC2	20:a3:822:SQD:H282	1.81	0.62
13:a5:175:ALA:HB1	13:a5:192:ILE:HD13	1.80	0.62
2:cB:194:LEU:HA	2:cB:198:ALA:HB3	1.81	0.62
13:c5:236:HIS:CE1	14:c5:506:CLA:NA	2.67	0.62
13:V:60:PHE:O	13:V:64:GLU:HG2	1.99	0.62
13:g:236:HIS:CE1	14:g:506:CLA:NA	2.67	0.62
9:bK:19:VAL:O	9:bK:23:ASN:ND2	2.31	0.62
14:cA:1134:CLA:H43	14:cK:1401:CLA:H43	1.81	0.62
13:c5:45:ALA:HB2	14:c5:511:CLA:HMA1	1.81	0.62
13:c5:158:GLY:HA3	13:c5:237:ILE:HG13	1.81	0.62
13:W:287:TYR:HB3	13:W:315:ARG:HB2	1.80	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:aB:1201:CLA:H2	11:aM:26:SER:HB2	1.81	0.62
14:aB:1208:CLA:H61	19:aB:1843:LMU:H61	1.80	0.62
13:a3:45:ALA:HB2	14:a3:511:CLA:HMA1	1.81	0.62
13:a6:236:HIS:CE1	14:a6:506:CLA:NA	2.67	0.62
14:bB:1203:CLA:H162	14:bB:1225:CLA:HBB2	1.81	0.62
13:c6:65:ILE:HG23	13:c6:101:LEU:HD13	1.81	0.62
14:W:502:CLA:H12	14:W:503:CLA:H42	1.80	0.62
4:bD:39:VAL:HG22	4:bD:49:VAL:HG22	1.81	0.62
13:Z:236:HIS:HE1	14:Z:506:CLA:NA	1.96	0.62
14:bB:1201:CLA:H3A	11:bM:29:LEU:HD13	1.81	0.62
14:b1:501:CLA:HMB2	17:b1:524:BCR:H23C	1.80	0.62
6:cF:53:SER:HA	6:cF:56:LYS:HE2	1.82	0.62
13:c4:303:ASP:HB3	13:c4:305:ILE:HG22	1.80	0.62
13:a1:236:HIS:HE1	14:a1:506:CLA:NA	1.96	0.62
1:cA:366:LEU:HD21	14:cA:1117:CLA:H93	1.82	0.62
13:c5:125:HIS:HE1	14:c5:513:CLA:NA	1.97	0.62
13:f:236:HIS:CE1	14:f:506:CLA:NA	2.67	0.62
14:aB:1012:CLA:HMA1	14:aB:1021:CLA:H202	1.82	0.62
14:a1:505:CLA:H12	17:a1:524:BCR:H311	1.82	0.62
2:cB:393:HIS:HE1	14:cB:1226:CLA:NA	1.98	0.62
8:cJ:28:GLU:OE1	8:cJ:31:ARG:NH2	2.32	0.62
14:g:516:CLA:HBC3	14:g:516:CLA:HHD	1.81	0.62
13:a5:158:GLY:HA3	13:a5:237:ILE:HG13	1.81	0.62
6:bF:64:ALA:HA	6:bF:82:ARG:HH22	1.65	0.62
13:b1:175:ALA:HB1	13:b1:192:ILE:HD13	1.80	0.62
14:b4:502:CLA:HBD	14:b4:503:CLA:H43	1.82	0.62
13:c6:236:HIS:CE1	14:c6:506:CLA:NA	2.68	0.62
14:V:502:CLA:H143	14:V:503:CLA:HHB	1.81	0.62
13:Y:282:TYR:O	13:Y:315:ARG:NH2	2.30	0.62
13:l:289:PRO:HD2	13:l:313:THR:HG21	1.81	0.62
2:aB:156:HIS:CE1	14:aB:1208:CLA:NA	2.67	0.62
9:aK:19:VAL:O	9:aK:23:ASN:ND2	2.32	0.62
2:bB:319:PHE:HB2	14:bB:1220:CLA:HMA3	1.81	0.62
2:bB:446:VAL:HG21	14:bB:1230:CLA:HAC2	1.82	0.62
14:b3:503:CLA:H41	14:b3:503:CLA:H101	1.81	0.62
13:b5:158:GLY:HA3	13:b5:237:ILE:HG13	1.81	0.62
2:cB:433:LEU:HD11	14:cB:1235:CLA:HMB2	1.82	0.62
13:d:282:TYR:O	13:d:315:ARG:NH2	2.30	0.62
13:a1:266:LEU:HD13	14:a1:505:CLA:H122	1.81	0.61
14:bB:1235:CLA:H161	17:bF:4016:BCR:H23C	1.81	0.61
1:cA:225:LYS:HD3	1:cA:252:LEU:HD13	1.82	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:f:112:LEU:HG	17:f:522:BCR:H12C	1.81	0.61
13:b2:236:HIS:CE1	14:b2:506:CLA:NA	2.69	0.61
14:c3:508:CLA:H2	14:c3:510:CLA:H12	1.82	0.61
13:X:128:ARG:HB2	13:Y:341:MET:HE2	1.80	0.61
13:Z:236:HIS:CE1	14:Z:506:CLA:NA	2.68	0.61
13:f:287:TYR:HB3	13:f:315:ARG:HB2	1.82	0.61
13:l:79:LEU:HD23	13:l:82:LEU:HD12	1.82	0.61
13:n:304:THR:HG22	13:n:304:THR:O	1.99	0.61
8:aJ:26:LEU:O	8:aJ:30:ASN:ND2	2.30	0.61
13:b3:125:HIS:HA	13:b3:129:ALA:HB3	1.83	0.61
13:i:158:GLY:HA3	13:i:237:ILE:HG13	1.82	0.61
1:bA:366:LEU:HD21	14:bA:1117:CLA:H93	1.81	0.61
2:bB:393:HIS:CE1	14:bB:1226:CLA:NA	2.68	0.61
14:cB:1220:CLA:HAB	14:cB:1227:CLA:HMD2	1.83	0.61
14:S:508:CLA:H52	14:S:510:CLA:H2	1.82	0.61
13:Y:236:HIS:CE1	14:Y:506:CLA:NA	2.69	0.61
13:a4:175:ALA:HB1	13:a4:192:ILE:HD13	1.81	0.61
8:bJ:1:MET:N	13:b3:353:ASN:O	2.33	0.61
13:T:158:GLY:HA3	13:T:237:ILE:HG13	1.81	0.61
13:W:45:ALA:HB2	14:W:511:CLA:HMA1	1.81	0.61
13:X:125:HIS:NE2	14:X:513:CLA:NB	2.48	0.61
13:f:79:LEU:HD13	13:f:82:LEU:HD12	1.82	0.61
2:aB:419:LYS:HB2	2:aB:546:LEU:HD13	1.82	0.61
13:a3:72:LEU:HB2	13:a3:77:GLN:HE21	1.66	0.61
1:bA:106:ASP:HB3	1:bA:110:ILE:HG12	1.82	0.61
2:bB:426:LEU:HB3	2:bB:539:LEU:HD13	1.81	0.61
13:Y:79:LEU:HD13	13:Y:82:LEU:HD12	1.81	0.61
13:c:35:PHE:HZ	14:c:509:CLA:HAB	1.65	0.61
13:c:192:ILE:HG23	13:c:216:GLU:HG2	1.83	0.61
13:g:236:HIS:HE1	14:g:506:CLA:NA	1.98	0.61
13:h:341:MET:HE3	13:i:128:ARG:HB2	1.83	0.61
13:o:236:HIS:CE1	14:o:506:CLA:NA	2.69	0.61
18:aA:5004:LHG:O9	13:a1:67:GLN:NE2	2.33	0.61
2:aB:415:VAL:HG11	17:aB:4009:BCR:H271	1.83	0.61
14:b4:502:CLA:H12	14:b4:503:CLA:H42	1.83	0.61
13:c5:159:HIS:NE2	14:c5:516:CLA:NB	2.48	0.61
13:T:45:ALA:HB2	14:T:511:CLA:HMA1	1.81	0.61
13:Y:236:HIS:HE1	14:Y:506:CLA:NA	1.99	0.61
13:p:276:ALA:HA	13:p:291:LEU:HD12	1.81	0.61
14:bB:1023:CLA:H143	17:bB:4017:BCR:H362	1.83	0.61
14:cB:1210:CLA:H42	17:cB:4005:BCR:H19C	1.82	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:c2:158:GLY:HA3	13:c2:237:ILE:HG13	1.82	0.61
13:V:261:LEU:HD21	14:V:508:CLA:HAB	1.82	0.61
13:e:287:TYR:HB3	13:e:315:ARG:HB2	1.83	0.61
15:cB:2002:PQN:H201	17:cB:4017:BCR:H19C	1.83	0.61
13:c1:236:HIS:CE1	14:c1:506:CLA:NA	2.68	0.61
13:U:106:VAL:HG22	17:U:523:BCR:HC22	1.81	0.61
13:a:322:HIS:NE2	14:a:502:CLA:ND	2.49	0.61
13:e:69:LYS:O	13:e:77:GLN:NE2	2.34	0.61
14:aA:1101:CLA:HBB2	14:aA:1109:CLA:H72	1.82	0.61
14:aB:1201:CLA:H3A	11:aM:29:LEU:HD13	1.83	0.61
13:a5:236:HIS:CE1	14:a5:506:CLA:NA	2.69	0.61
13:b4:174:LYS:NZ	13:b4:180:GLY:O	2.34	0.61
14:cB:1222:CLA:H122	14:cB:1232:CLA:HBB2	1.83	0.61
13:c5:117:VAL:HG22	14:c6:505:CLA:H61	1.82	0.61
13:X:50:ALA:O	13:X:54:VAL:HG23	2.01	0.61
13:X:266:LEU:HD13	14:X:505:CLA:H122	1.81	0.61
13:Z:349:GLU:HG3	20:Z:822:SQD:H81	1.83	0.61
13:l:291:LEU:HG	13:l:315:ARG:HD2	1.83	0.61
2:aB:446:VAL:HG21	14:aB:1230:CLA:HAC2	1.82	0.60
13:U:236:HIS:CE1	14:U:506:CLA:NA	2.69	0.60
13:i:282:TYR:O	13:i:315:ARG:NH2	2.32	0.60
13:o:69:LYS:O	13:o:77:GLN:NE2	2.32	0.60
13:o:323:PHE:HE1	17:p:522:BCR:HC7	1.66	0.60
13:q:43:ILE:HD11	14:q:512:CLA:HBC3	1.83	0.60
1:cA:409:ALA:HB2	17:cA:4008:BCR:H323	1.83	0.60
13:c4:236:HIS:HE1	14:c4:506:CLA:NA	1.97	0.60
13:V:128:ARG:NH2	13:W:250:MET:SD	2.73	0.60
13:Y:331:GLN:OE1	14:Y:518:CLA:ND	2.34	0.60
13:a:158:GLY:HA3	13:a:237:ILE:HG13	1.83	0.60
13:a:266:LEU:HD13	14:a:505:CLA:H122	1.84	0.60
13:k:113:ILE:HD12	17:k:523:BCR:H10C	1.82	0.60
14:aA:1139:CLA:HMC2	17:aF:4014:BCR:H381	1.81	0.60
2:aB:194:LEU:HA	2:aB:198:ALA:HB3	1.83	0.60
2:bB:299:HIS:CE1	14:bB:1218:CLA:NA	2.69	0.60
2:bB:460:GLU:HG3	6:bF:28:LEU:HD11	1.83	0.60
13:c6:158:GLY:HA3	13:c6:237:ILE:HG13	1.82	0.60
13:S:113:ILE:HG23	14:V:505:CLA:H111	1.83	0.60
14:aA:1107:CLA:HAB	14:aB:1230:CLA:HMD2	1.82	0.60
2:aB:460:GLU:HG3	6:aF:28:LEU:HD11	1.82	0.60
13:c1:127:PHE:HB2	13:c2:341:MET:HE2	1.83	0.60
13:b:282:TYR:O	13:b:315:ARG:NH2	2.32	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
18:aA:5004:LHG:H282	18:aA:5005:LHG:H292	1.83	0.60
2:aB:319:PHE:HB2	14:aB:1220:CLA:HMA3	1.83	0.60
14:bA:1140:CLA:HBA1	18:bA:5001:LHG:H171	1.84	0.60
14:cB:1227:CLA:H2	18:cX:4021:LHG:HC92	1.83	0.60
13:j:248:LEU:HD13	17:j:524:BCR:HC32	1.84	0.60
13:n:192:ILE:HG23	13:n:216:GLU:HG2	1.82	0.60
2:aB:393:HIS:CE1	14:aB:1226:CLA:NA	2.69	0.60
2:aB:433:LEU:HD11	14:aB:1235:CLA:HMB2	1.82	0.60
13:U:72:LEU:O	13:U:77:GLN:NE2	2.33	0.60
13:V:297:ILE:O	14:V:519:CLA:ND	2.35	0.60
13:e:36:VAL:HG22	14:e:509:CLA:HAC2	1.83	0.60
14:bA:1237:CLA:HAB	2:bB:698:VAL:HG11	1.83	0.60
6:bF:60:ARG:NH2	8:bJ:34:PRO:O	2.31	0.60
13:b6:125:HIS:NE2	14:b6:513:CLA:NB	2.50	0.60
1:cA:179:HIS:CE1	14:cA:1108:CLA:NA	2.69	0.60
14:c4:505:CLA:H43	17:c4:524:BCR:H311	1.84	0.60
13:S:125:HIS:HE1	14:S:513:CLA:NA	2.00	0.60
14:S:503:CLA:H41	14:S:503:CLA:H101	1.83	0.60
13:Y:29:TRP:NE1	20:Y:822:SQD:O2	2.30	0.60
13:Z:112:LEU:HG	17:Z:522:BCR:H12C	1.83	0.60
13:a:125:HIS:HE1	14:a:513:CLA:NA	1.99	0.60
13:e:125:HIS:NE2	14:e:513:CLA:NB	2.49	0.60
1:bA:179:HIS:CE1	14:bA:1108:CLA:NA	2.70	0.60
2:bB:15:ASP:HB3	2:bB:20:ARG:HB3	1.83	0.60
13:b1:303:ASP:HB3	13:b1:305:ILE:HG22	1.82	0.60
13:b4:238:LEU:HD13	20:n:822:SQD:H122	1.84	0.60
1:cA:106:ASP:HB3	1:cA:110:ILE:HG12	1.84	0.60
2:cB:319:PHE:HB2	14:cB:1220:CLA:HMA3	1.83	0.60
14:cB:1227:CLA:HBC2	17:cB:4009:BCR:H281	1.82	0.60
14:c2:501:CLA:C3D	14:c2:503:CLA:H2	2.31	0.60
13:c3:31:GLY:HA3	14:c3:511:CLA:HMD2	1.82	0.60
13:c:236:HIS:HE1	14:c:506:CLA:NA	2.00	0.60
13:h:287:TYR:HB3	13:h:315:ARG:HB2	1.83	0.60
13:q:50:ALA:O	13:q:54:VAL:HG23	2.02	0.60
13:a6:125:HIS:HE1	14:a6:513:CLA:NA	2.00	0.60
2:bB:587:MET:HG3	2:bB:717:LEU:HD21	1.83	0.60
6:bF:53:SER:HA	6:bF:56:LYS:HE2	1.84	0.60
13:b4:175:ALA:HB1	13:b4:192:ILE:HD13	1.83	0.60
14:cA:1131:CLA:H102	14:cB:1238:CLA:H52	1.84	0.60
14:c2:506:CLA:HBB2	14:c2:507:CLA:H52	1.83	0.60
13:Y:45:ALA:HB2	14:Y:511:CLA:HMA1	1.84	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:e:112:LEU:HG	17:e:522:BCR:H12C	1.83	0.60
13:m:46:HIS:NE2	14:m:509:CLA:ND	2.50	0.60
1:aA:526:MET:HE1	1:aA:617:MET:HE1	1.84	0.60
2:aB:394:GLY:HA3	17:aB:4010:BCR:H382	1.84	0.60
14:aB:1229:CLA:HHC	14:aB:1229:CLA:HBB1	1.83	0.60
14:a3:508:CLA:H93	17:a3:521:BCR:H21C	1.82	0.60
2:bB:482:LEU:HA	2:bB:490:SER:HB2	1.83	0.60
1:cA:404:LEU:HD21	14:cA:1104:CLA:H142	1.84	0.60
14:cA:1119:CLA:H72	14:cA:1122:CLA:H92	1.83	0.60
13:U:236:HIS:HE1	14:U:506:CLA:NA	1.99	0.60
13:W:248:LEU:HD13	17:W:524:BCR:HC32	1.83	0.60
13:a:150:PRO:HB2	13:a:241:PRO:HD2	1.84	0.60
14:aB:1239:CLA:HBC2	15:aB:2002:PQN:H172	1.84	0.59
5:aE:24:VAL:HG12	5:aE:39:VAL:HG22	1.83	0.59
14:a2:508:CLA:H2	14:a2:510:CLA:H12	1.82	0.59
14:b6:502:CLA:H143	14:b6:503:CLA:HHB	1.84	0.59
14:c1:513:CLA:H2	17:c1:523:BCR:H271	1.84	0.59
14:c3:508:CLA:H43	14:c3:511:CLA:HAC1	1.84	0.59
14:c6:502:CLA:HBD	14:c6:503:CLA:H43	1.84	0.59
13:g:163:PHE:HD2	14:g:512:CLA:H3A	1.67	0.59
13:o:106:VAL:HG22	17:o:523:BCR:HC22	1.84	0.59
13:q:112:LEU:HG	17:q:522:BCR:H12C	1.82	0.59
11:aM:13:VAL:HG13	17:aM:4021:BCR:H382	1.84	0.59
14:a5:501:CLA:HBB2	14:a5:507:CLA:H92	1.82	0.59
2:cB:15:ASP:HB3	2:cB:20:ARG:HB3	1.84	0.59
13:c1:158:GLY:HA3	13:c1:237:ILE:HG13	1.83	0.59
13:X:60:PHE:O	13:X:64:GLU:HG2	2.02	0.59
13:b:322:HIS:NE2	14:b:502:CLA:ND	2.50	0.59
13:o:289:PRO:HD2	13:o:313:THR:HG21	1.84	0.59
14:aA:1124:CLA:HAB	17:aA:4008:BCR:H311	1.84	0.59
2:aB:15:ASP:HB3	2:aB:20:ARG:HB3	1.83	0.59
1:bA:700:LEU:HD21	14:bA:1013:CLA:HED2	1.85	0.59
1:cA:115:GLN:OE1	14:cA:1106:CLA:NA	2.36	0.59
2:cB:393:HIS:CE1	14:cB:1226:CLA:NA	2.70	0.59
2:cB:446:VAL:HG21	14:cB:1230:CLA:HAC2	1.82	0.59
14:cB:1023:CLA:H143	17:cB:4017:BCR:H362	1.84	0.59
13:X:41:LEU:HB3	14:X:511:CLA:HMA1	1.84	0.59
13:Z:174:LYS:NZ	13:Z:180:GLY:O	2.35	0.59
13:e:248:LEU:HD13	17:e:524:BCR:HC32	1.84	0.59
13:g:125:HIS:HE1	14:g:513:CLA:NA	2.00	0.59
13:k:297:ILE:O	14:k:519:CLA:ND	2.35	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:m:287:TYR:HB3	13:m:315:ARG:HB2	1.84	0.59
13:n:32:ASN:OD1	14:n:511:CLA:NC	2.35	0.59
15:aB:2002:PQN:H201	17:aB:4017:BCR:H19C	1.82	0.59
14:bB:1203:CLA:HED3	14:bB:1203:CLA:H2	1.84	0.59
14:cA:1104:CLA:HED1	14:cA:1128:CLA:H2	1.84	0.59
13:Z:208:HIS:HB2	13:Z:211:SER:HB3	1.83	0.59
13:f:329:PHE:HA	14:f:508:CLA:HMC2	1.85	0.59
13:g:106:VAL:HG22	17:g:523:BCR:HC22	1.83	0.59
13:h:158:GLY:HA3	13:h:237:ILE:HG13	1.84	0.59
13:l:33:ALA:HB2	14:l:508:CLA:HAA2	1.83	0.59
1:aA:437:ARG:NH2	4:aD:44:THR:O	2.35	0.59
14:aA:1119:CLA:H102	17:aA:4008:BCR:H10C	1.85	0.59
2:aB:567:ASP:OD2	3:aC:66:ARG:NH2	2.36	0.59
2:bB:623:LEU:HD12	14:bB:1012:CLA:H12	1.84	0.59
13:c6:239:VAL:HA	13:T:352:LEU:HD22	1.83	0.59
13:T:111:HIS:HE1	14:T:503:CLA:NC	2.00	0.59
13:c:322:HIS:NE2	14:c:502:CLA:ND	2.51	0.59
10:aL:50:GLU:OE2	14:aL:1501:CLA:ND	2.35	0.59
13:a3:236:HIS:CE1	14:a3:506:CLA:NA	2.70	0.59
14:bA:1103:CLA:H42	14:bA:1104:CLA:HAB	1.84	0.59
13:b3:79:LEU:HD13	13:b3:82:LEU:HD12	1.84	0.59
13:c5:125:HIS:CE1	14:c5:513:CLA:NA	2.70	0.59
13:T:242:LEU:HD12	13:T:244:TRP:HE1	1.67	0.59
13:W:316:ALA:O	13:W:320:ASN:ND2	2.35	0.59
13:X:236:HIS:CE1	14:X:506:CLA:NA	2.71	0.59
14:Z:509:CLA:HED2	14:Z:509:CLA:H2A	1.84	0.59
13:c:141:ARG:HH22	13:c:146:ARG:HH21	1.50	0.59
13:o:208:HIS:HB2	13:o:211:SER:HB3	1.83	0.59
1:aA:411:HIS:HE1	14:aA:1128:CLA:NA	2.01	0.59
1:aA:599:LEU:HD21	14:aA:1128:CLA:HBC1	1.84	0.59
13:a1:282:TYR:O	13:a1:315:ARG:NH2	2.34	0.59
13:a2:236:HIS:CE1	14:a2:506:CLA:NA	2.70	0.59
13:b5:303:ASP:HB3	13:b5:305:ILE:HG22	1.84	0.59
13:c:248:LEU:HD13	17:c:524:BCR:HC32	1.85	0.59
13:h:43:ILE:HD11	14:h:512:CLA:HBC3	1.83	0.59
13:n:50:ALA:O	13:n:54:VAL:HG23	2.03	0.59
14:aA:1131:CLA:H102	14:aB:1238:CLA:H52	1.84	0.59
2:aB:587:MET:HG3	2:aB:717:LEU:HD21	1.84	0.59
13:a1:175:ALA:HB1	13:a1:192:ILE:HD13	1.85	0.59
14:a5:507:CLA:H112	17:a5:524:BCR:H362	1.83	0.59
13:d:117:VAL:HG22	14:q:505:CLA:H61	1.85	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:j:158:GLY:HA3	13:j:237:ILE:HG13	1.84	0.59
13:m:106:VAL:HG22	17:m:523:BCR:HC22	1.84	0.59
14:n:505:CLA:H193	17:o:522:BCR:H332	1.83	0.59
1:aA:644:ILE:HG13	1:aA:645:THR:HG23	1.85	0.59
14:a6:508:CLA:H2	14:a6:510:CLA:H12	1.84	0.59
1:bA:232:ALA:O	1:bA:235:ASP:N	2.30	0.59
1:cA:700:LEU:HD21	14:cA:1013:CLA:HED2	1.85	0.59
13:Y:127:PHE:HB2	13:Z:341:MET:HE2	1.83	0.59
13:l:158:GLY:HA3	13:l:237:ILE:HG13	1.84	0.59
1:aA:232:ALA:O	1:aA:235:ASP:N	2.30	0.59
14:aA:1110:CLA:HBB2	14:aA:1118:CLA:H111	1.85	0.59
13:c3:266:LEU:HD13	14:c3:505:CLA:H122	1.84	0.59
13:c5:133:LEU:HD22	13:c5:140:ALA:HB1	1.84	0.59
13:f:158:GLY:HA3	13:f:237:ILE:HG13	1.84	0.59
14:f:516:CLA:HBC3	14:f:516:CLA:HHD	1.85	0.59
13:h:273:TYR:HD1	17:i:522:BCR:HC41	1.66	0.59
1:aA:202:ALA:HB1	14:aA:1118:CLA:HBC3	1.83	0.58
14:a5:508:CLA:H43	14:a5:511:CLA:HAC1	1.85	0.58
14:b1:508:CLA:H43	14:b1:511:CLA:HAC1	1.85	0.58
14:b4:501:CLA:C3D	14:b4:503:CLA:H2	2.32	0.58
13:c2:328:PHE:HE1	14:c2:518:CLA:HAB	1.68	0.58
14:U:505:CLA:H61	13:e:117:VAL:HG22	1.85	0.58
13:g:158:GLY:HA3	13:g:237:ILE:HG13	1.85	0.58
6:cF:64:ALA:HA	6:cF:82:ARG:HH22	1.68	0.58
13:c2:125:HIS:HA	13:c2:129:ALA:HB3	1.84	0.58
13:c3:248:LEU:HD13	17:c3:524:BCR:HC32	1.85	0.58
13:c4:282:TYR:O	13:c4:315:ARG:NH2	2.33	0.58
13:T:282:TYR:O	13:T:315:ARG:NH2	2.31	0.58
13:c:41:LEU:HB3	14:c:511:CLA:HMA1	1.84	0.58
13:c:69:LYS:O	13:c:77:GLN:NE2	2.34	0.58
13:l:276:ALA:HA	13:l:291:LEU:HD12	1.85	0.58
13:p:106:VAL:HG22	17:p:523:BCR:HC22	1.85	0.58
10:cL:21:PRO:HA	10:cL:25:SER:HB3	1.85	0.58
13:c6:266:LEU:HD13	14:c6:505:CLA:H122	1.85	0.58
13:h:236:HIS:CE1	14:h:506:CLA:NA	2.71	0.58
13:a6:72:LEU:HB2	13:a6:77:GLN:HE21	1.67	0.58
18:bA:5004:LHG:H282	18:bA:5005:LHG:H292	1.86	0.58
10:bL:42:LEU:HD22	10:bL:46:LEU:HD23	1.85	0.58
13:b2:164:LEU:HD21	14:b2:509:CLA:H61	1.84	0.58
13:V:331:GLN:OE1	14:V:518:CLA:ND	2.37	0.58
13:d:106:VAL:HG22	17:d:523:BCR:HC22	1.86	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:d:322:HIS:NE2	14:d:502:CLA:ND	2.51	0.58
1:aA:511:VAL:HB	1:aA:526:MET:HG3	1.84	0.58
2:aB:482:LEU:HA	2:aB:490:SER:HB2	1.84	0.58
1:bA:453:PHE:HB3	14:bA:1132:CLA:HBB2	1.85	0.58
14:bA:1104:CLA:HED1	14:bA:1128:CLA:H2	1.85	0.58
13:b6:32:ASN:OD1	14:b6:511:CLA:NC	2.36	0.58
13:h:79:LEU:HD13	13:h:82:LEU:HD12	1.85	0.58
13:a3:266:LEU:HD13	14:a3:505:CLA:H122	1.86	0.58
4:bD:118:ARG:NH2	4:bD:136:PRO:O	2.37	0.58
14:b4:506:CLA:HAB	14:b4:507:CLA:H72	1.85	0.58
13:b5:72:LEU:HB2	13:b5:77:GLN:HE21	1.68	0.58
5:cE:24:VAL:HG12	5:cE:39:VAL:HG22	1.85	0.58
14:c3:501:CLA:C3D	14:c3:503:CLA:H2	2.34	0.58
13:c5:322:HIS:NE2	14:c5:502:CLA:ND	2.51	0.58
13:U:316:ALA:O	13:U:320:ASN:ND2	2.34	0.58
14:a:518:CLA:HBB1	14:a:519:CLA:HAC2	1.85	0.58
13:c:236:HIS:CE1	14:c:506:CLA:NA	2.72	0.58
13:d:112:LEU:HG	17:d:522:BCR:H12C	1.86	0.58
13:d:113:ILE:HG21	17:d:523:BCR:H12C	1.85	0.58
1:aA:300:HIS:ND1	14:aA:1116:CLA:NB	2.50	0.58
13:a6:32:ASN:OD1	14:a6:511:CLA:NC	2.37	0.58
2:cB:473:LYS:NZ	2:cB:516:PHE:O	2.32	0.58
4:cD:118:ARG:NH2	4:cD:136:PRO:O	2.36	0.58
13:g:303:ASP:HB3	13:g:305:ILE:HG22	1.84	0.58
13:h:41:LEU:HB3	14:h:511:CLA:HMA1	1.84	0.58
13:k:175:ALA:HB1	13:k:192:ILE:HD13	1.84	0.58
14:aA:1138:CLA:H2A	14:aA:1138:CLA:HED3	1.86	0.58
14:b3:504:CLA:HBB1	14:b3:504:CLA:H101	1.85	0.58
13:b6:175:ALA:HB1	13:b6:192:ILE:HD13	1.85	0.58
10:cL:42:LEU:HD22	10:cL:46:LEU:HD23	1.85	0.58
13:c2:163:PHE:HD1	14:c2:512:CLA:H51	1.68	0.58
13:X:322:HIS:NE2	14:X:502:CLA:ND	2.52	0.58
13:d:174:LYS:NZ	13:d:180:GLY:O	2.37	0.58
13:p:289:PRO:HG3	13:p:305:ILE:HB	1.84	0.58
13:a2:125:HIS:HA	13:a2:129:ALA:HB3	1.86	0.58
1:cA:411:HIS:CE1	14:cA:1128:CLA:NA	2.72	0.58
2:cB:587:MET:HG3	2:cB:717:LEU:HD21	1.84	0.58
13:c3:236:HIS:HE1	14:c3:506:CLA:NA	2.01	0.58
13:Y:69:LYS:O	13:Y:77:GLN:NE2	2.37	0.58
14:Y:503:CLA:H41	14:Y:503:CLA:H101	1.85	0.58
13:d:175:ALA:HB1	13:d:192:ILE:HD13	1.86	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:k:72:LEU:O	13:k:77:GLN:NE2	2.36	0.58
13:n:41:LEU:HB3	14:n:511:CLA:HMA1	1.86	0.58
14:aB:1220:CLA:HAB	14:aB:1227:CLA:HMD2	1.85	0.58
13:a2:304:THR:O	13:a2:304:THR:CG2	2.52	0.58
1:bA:482:LEU:HB2	1:bA:533:THR:HG23	1.86	0.58
13:b6:158:GLY:HA3	13:b6:237:ILE:HG13	1.84	0.58
14:cA:1124:CLA:HAB	17:cA:4008:BCR:H311	1.85	0.58
13:c3:236:HIS:CE1	14:c3:506:CLA:NA	2.72	0.58
13:b:158:GLY:HA3	13:b:237:ILE:HG13	1.86	0.58
13:o:32:ASN:OD1	14:o:511:CLA:NC	2.37	0.58
1:bA:710:LYS:NZ	6:bF:156:ASP:OD1	2.37	0.57
14:b3:511:CLA:H51	13:b4:348:LEU:HD12	1.86	0.57
14:cA:1102:CLA:HBD	14:cA:1109:CLA:H2	1.86	0.57
14:cF:1301:CLA:HMB1	8:cJ:26:LEU:HD11	1.85	0.57
14:X:502:CLA:HBD	14:X:503:CLA:H43	1.85	0.57
13:a:202:ILE:HG13	13:a:224:TYR:HD2	1.68	0.57
2:aB:156:HIS:HE1	14:aB:1208:CLA:NA	2.03	0.57
8:aJ:21:ILE:HA	14:aJ:1302:CLA:HBB2	1.86	0.57
13:a1:125:HIS:HA	13:a1:129:ALA:HB3	1.86	0.57
13:b2:128:ARG:HB2	13:b3:341:MET:HE3	1.85	0.57
2:cB:181:GLY:HA3	14:cB:1210:CLA:HBB1	1.86	0.57
13:c2:192:ILE:HG23	13:c2:216:GLU:HG2	1.86	0.57
14:c5:505:CLA:H51	17:c5:524:BCR:H342	1.86	0.57
1:aA:441:ILE:HG13	1:aA:559:PHE:HE2	1.69	0.57
1:bA:511:VAL:HB	1:bA:526:MET:HG3	1.87	0.57
14:bA:1110:CLA:HBB2	14:bA:1118:CLA:H72	1.85	0.57
13:b3:161:LEU:HD21	14:b3:506:CLA:HAB	1.86	0.57
1:cA:232:ALA:O	1:cA:235:ASP:N	2.30	0.57
14:c4:501:CLA:HBB2	14:c4:507:CLA:H92	1.85	0.57
13:W:125:HIS:HE1	14:W:513:CLA:NA	2.01	0.57
13:X:350:THR:O	13:X:354:PRO:HD3	2.03	0.57
13:l:46:HIS:NE2	14:l:509:CLA:ND	2.52	0.57
13:o:73:PRO:HG2	13:o:76:GLU:HB2	1.87	0.57
14:aB:1205:CLA:H2	14:aB:1205:CLA:H102	1.84	0.57
13:a2:241:PRO:HA	14:a2:506:CLA:HED3	1.85	0.57
13:b3:236:HIS:HE1	14:b3:506:CLA:NA	2.02	0.57
13:b6:164:LEU:HD21	14:b6:509:CLA:H61	1.85	0.57
1:cA:177:TRP:HB2	14:cA:1109:CLA:HMC2	1.86	0.57
1:cA:524:VAL:HG22	1:cA:625:VAL:HG23	1.85	0.57
14:c4:506:CLA:HAB	14:c4:507:CLA:H72	1.85	0.57
13:S:50:ALA:O	13:S:54:VAL:HG23	2.05	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:Z:79:LEU:HD13	13:Z:82:LEU:HD12	1.86	0.57
13:k:32:ASN:OD1	14:k:511:CLA:NC	2.38	0.57
2:aB:44:GLN:OE1	2:aB:162:ARG:NE	2.35	0.57
14:a3:501:CLA:C3D	14:a3:503:CLA:H2	2.33	0.57
13:a6:242:LEU:HD12	13:a6:244:TRP:HE1	1.68	0.57
13:U:331:GLN:OE1	14:U:518:CLA:ND	2.38	0.57
13:W:72:LEU:O	13:W:77:GLN:NE2	2.36	0.57
13:b:72:LEU:O	13:b:77:GLN:NE2	2.34	0.57
13:c:205:TYR:OH	13:c:217:ASP:OD2	2.23	0.57
13:m:323:PHE:HE1	17:n:522:BCR:HC7	1.70	0.57
10:aL:69:LEU:HD23	10:aL:74:VAL:HG23	1.86	0.57
14:cA:1138:CLA:H2A	14:cA:1138:CLA:HED3	1.85	0.57
13:c1:145:PHE:HA	13:c1:152:GLN:HG2	1.86	0.57
13:S:32:ASN:OD1	14:S:511:CLA:NC	2.36	0.57
13:T:349:GLU:HG3	13:T:352:LEU:HD12	1.87	0.57
14:d:505:CLA:H12	17:d:524:BCR:H311	1.86	0.57
13:f:282:TYR:O	13:f:315:ARG:NH2	2.28	0.57
13:g:322:HIS:NE2	14:g:502:CLA:ND	2.53	0.57
14:aB:1236:CLA:HBC2	14:aX:1401:CLA:HBC3	1.86	0.57
5:bE:24:VAL:HG12	5:bE:39:VAL:HG22	1.84	0.57
13:b5:125:HIS:HA	13:b5:129:ALA:HB3	1.86	0.57
1:cA:203:GLY:HA3	14:cA:1111:CLA:HBB1	1.86	0.57
1:cA:441:ILE:HG13	1:cA:559:PHE:HE2	1.69	0.57
1:cA:583:ARG:HD3	4:cD:61:ARG:HH22	1.69	0.57
15:cA:2001:PQN:H162	17:cF:4014:BCR:H382	1.87	0.57
2:cB:460:GLU:HG3	6:cF:28:LEU:HD11	1.86	0.57
14:c6:501:CLA:HMB1	17:c6:524:BCR:H23C	1.86	0.57
13:T:64:GLU:HB3	13:T:79:LEU:HG	1.87	0.57
13:U:125:HIS:NE2	14:U:513:CLA:NB	2.52	0.57
13:V:50:ALA:O	13:V:54:VAL:HG23	2.05	0.57
13:X:236:HIS:HE1	14:X:506:CLA:NA	2.01	0.57
14:Y:502:CLA:HBD	14:Y:503:CLA:H43	1.87	0.57
13:Z:50:ALA:O	13:Z:54:VAL:HG23	2.05	0.57
13:a:49:GLN:OE1	14:a:510:CLA:NC	2.38	0.57
13:l:125:HIS:HA	13:l:129:ALA:HB3	1.87	0.57
2:aB:70:TRP:NE1	7:aI:6:ALA:O	2.37	0.57
13:a3:125:HIS:HA	13:a3:129:ALA:HB3	1.86	0.57
13:a5:125:HIS:HA	13:a5:129:ALA:HB3	1.86	0.57
14:b1:505:CLA:H51	17:b1:524:BCR:H342	1.86	0.57
14:b1:506:CLA:HBB2	14:b1:507:CLA:H52	1.87	0.57
13:b5:49:GLN:HG2	14:b5:509:CLA:HHB	1.87	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:b5:145:PHE:HA	13:b5:152:GLN:HG2	1.87	0.57
13:c3:246:ARG:HA	13:c3:251:PHE:HE1	1.69	0.57
13:c6:79:LEU:HD13	13:c6:82:LEU:HD12	1.87	0.57
14:V:505:CLA:H41	17:V:524:BCR:H342	1.87	0.57
14:d:510:CLA:HMA3	14:d:510:CLA:H52	1.87	0.57
13:k:125:HIS:HA	13:k:129:ALA:HB3	1.85	0.57
13:q:158:GLY:HA3	13:q:237:ILE:HG13	1.86	0.57
6:aF:141:LEU:HD13	20:a4:822:SQD:H272	1.87	0.57
13:a1:236:HIS:CE1	14:a1:506:CLA:NA	2.72	0.57
2:cB:31:PHE:HB3	2:cB:37:MET:HE2	1.85	0.57
4:cD:10:LEU:HG	4:cD:51:ARG:HD3	1.86	0.57
13:c1:46:HIS:HD2	14:c1:509:CLA:H141	1.69	0.57
13:V:241:PRO:HA	14:V:506:CLA:HED3	1.85	0.57
14:W:501:CLA:HMB2	17:W:524:BCR:H23C	1.87	0.57
13:k:236:HIS:HE1	14:k:506:CLA:NA	2.02	0.57
1:bA:216:GLN:HA	1:bA:220:SER:HB2	1.87	0.57
2:bB:31:PHE:HB3	2:bB:37:MET:HE2	1.87	0.57
13:b6:29:TRP:HD1	17:b6:521:BCR:H282	1.68	0.57
2:cB:37:MET:HE3	2:cB:42:LEU:HA	1.86	0.57
14:cB:1012:CLA:HMA1	14:cB:1021:CLA:H202	1.87	0.57
13:c6:72:LEU:HB2	13:c6:77:GLN:HE21	1.69	0.57
13:U:174:LYS:NZ	13:U:180:GLY:O	2.38	0.57
13:V:112:LEU:HG	17:V:522:BCR:H12C	1.87	0.57
13:e:49:GLN:HG2	14:e:509:CLA:HHB	1.86	0.57
14:aA:1140:CLA:HBA1	18:aA:5001:LHG:H171	1.87	0.56
13:a2:266:LEU:HD13	14:a2:505:CLA:H122	1.86	0.56
13:a6:192:ILE:HG23	13:a6:216:GLU:HG2	1.86	0.56
14:bA:1124:CLA:HAB	17:bA:4008:BCR:H311	1.86	0.56
13:b1:241:PRO:HA	14:b1:506:CLA:HED3	1.85	0.56
13:b1:248:LEU:HD13	17:b1:524:BCR:HC32	1.87	0.56
2:cB:91:ILE:HB	2:cB:112:PRO:HB2	1.86	0.56
2:cB:623:LEU:HD12	14:cB:1012:CLA:H12	1.86	0.56
13:c1:175:ALA:HB1	13:c1:192:ILE:HD13	1.87	0.56
13:c6:174:LYS:NZ	13:c6:180:GLY:O	2.38	0.56
14:V:504:CLA:HBC3	14:V:504:CLA:H8	1.87	0.56
13:Z:316:ALA:O	13:Z:320:ASN:ND2	2.36	0.56
13:d:32:ASN:OD1	14:d:511:CLA:NC	2.38	0.56
13:a3:158:GLY:HA3	13:a3:237:ILE:HG13	1.88	0.56
14:a3:502:CLA:HBD	14:a3:503:CLA:H43	1.87	0.56
1:bA:524:VAL:HG22	1:bA:625:VAL:HG23	1.86	0.56
13:b1:139:ARG:NH1	14:b1:516:CLA:OBD	2.39	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:b3:246:ARG:HA	13:b3:251:PHE:HE1	1.69	0.56
14:c5:508:CLA:H43	14:c5:511:CLA:HAC1	1.87	0.56
13:S:174:LYS:NZ	13:S:180:GLY:O	2.38	0.56
13:g:32:ASN:OD1	14:g:511:CLA:NC	2.38	0.56
13:q:34:ARG:NH1	14:q:511:CLA:OBD	2.38	0.56
13:q:38:LEU:HD13	13:q:131:HIS:HB3	1.86	0.56
1:aA:179:HIS:CE1	14:aA:1108:CLA:NA	2.74	0.56
18:aA:5004:LHG:HC61	13:a2:296:GLY:HA3	1.86	0.56
15:aB:2002:PQN:H242	17:aB:4017:BCR:H17C	1.87	0.56
13:b4:79:LEU:HD13	13:b4:82:LEU:HD12	1.88	0.56
13:b4:304:THR:O	13:b4:304:THR:CG2	2.53	0.56
1:cA:437:ARG:NH2	4:cD:44:THR:O	2.38	0.56
14:cA:1119:CLA:H61	17:cA:4007:BCR:H352	1.87	0.56
13:c3:49:GLN:HG2	14:c3:509:CLA:HHB	1.86	0.56
13:c5:282:TYR:O	13:c5:315:ARG:NH2	2.37	0.56
13:c6:222:HIS:NE2	14:c6:501:CLA:NB	2.53	0.56
13:c6:304:THR:O	13:c6:304:THR:CG2	2.54	0.56
13:Z:125:HIS:CE1	14:Z:513:CLA:NA	2.73	0.56
14:Z:506:CLA:HAB	14:Z:507:CLA:H72	1.86	0.56
13:l:72:LEU:O	13:l:77:GLN:NE2	2.39	0.56
13:o:174:LYS:NZ	13:o:180:GLY:O	2.38	0.56
13:p:45:ALA:HB1	14:p:509:CLA:HBB1	1.86	0.56
1:aA:404:LEU:HD21	14:aA:1104:CLA:H142	1.87	0.56
13:a5:117:VAL:HG22	14:a6:505:CLA:H61	1.87	0.56
2:bB:636:SER:O	2:bB:640:ASN:ND2	2.36	0.56
13:b4:69:LYS:O	13:b4:77:GLN:NE2	2.36	0.56
13:b5:69:LYS:O	13:b5:77:GLN:NE2	2.36	0.56
1:cA:511:VAL:HB	1:cA:526:MET:HG3	1.87	0.56
13:c3:158:GLY:HA3	13:c3:237:ILE:HG13	1.86	0.56
13:S:329:PHE:HA	14:S:508:CLA:HMC2	1.87	0.56
13:Z:158:GLY:HA3	13:Z:237:ILE:HG13	1.86	0.56
13:a:246:ARG:HA	13:a:251:PHE:HE1	1.69	0.56
13:k:242:LEU:HD12	13:k:244:TRP:HE1	1.71	0.56
13:m:304:THR:O	13:m:304:THR:CG2	2.53	0.56
13:n:125:HIS:NE2	14:n:513:CLA:NB	2.53	0.56
13:a2:158:GLY:HA3	13:a2:237:ILE:HG13	1.87	0.56
2:bB:181:GLY:HA3	14:bB:1210:CLA:HBB1	1.87	0.56
14:bB:1211:CLA:HMA3	17:bB:4006:BCR:H292	1.88	0.56
8:bJ:26:LEU:O	8:bJ:30:ASN:ND2	2.33	0.56
13:b3:266:LEU:HD13	14:b3:505:CLA:H122	1.88	0.56
1:cA:126:LEU:HD11	14:cA:1107:CLA:HBC3	1.88	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:c3:501:CLA:HMB2	17:c3:524:BCR:H23C	1.86	0.56
14:Z:508:CLA:HBB2	14:Z:509:CLA:HED1	1.87	0.56
14:g:501:CLA:HMB2	17:g:524:BCR:H23C	1.88	0.56
13:a3:242:LEU:HD12	13:a3:244:TRP:HE1	1.71	0.56
1:bA:398:MET:HE2	1:bA:609:VAL:HG11	1.88	0.56
4:bD:9:PRO:HA	4:bD:51:ARG:HG2	1.88	0.56
2:cB:246:THR:HG22	2:cB:248:GLN:H	1.70	0.56
13:c2:162:LEU:HD11	14:c2:516:CLA:HBB1	1.88	0.56
13:T:349:GLU:HA	13:T:352:LEU:HG	1.87	0.56
13:V:85:LEU:HD21	14:V:503:CLA:HED2	1.87	0.56
13:X:246:ARG:HA	13:X:251:PHE:HE1	1.70	0.56
13:X:282:TYR:O	13:X:315:ARG:NH2	2.37	0.56
13:Y:158:GLY:HA3	13:Y:237:ILE:HG13	1.87	0.56
13:h:160:HIS:NE2	14:h:512:CLA:NA	2.53	0.56
13:q:322:HIS:NE2	14:q:502:CLA:ND	2.53	0.56
2:aB:61:VAL:HG21	14:aB:1225:CLA:H42	1.87	0.56
2:aB:417:GLN:O	6:aF:164:ARG:NH2	2.38	0.56
13:a4:125:HIS:HA	13:a4:129:ALA:HB3	1.86	0.56
1:bA:115:GLN:OE1	14:bA:1106:CLA:NA	2.38	0.56
1:bA:359:ASN:ND2	14:bA:1103:CLA:OBD	2.35	0.56
2:bB:65:LEU:HD11	17:bB:4006:BCR:H281	1.88	0.56
14:bF:1301:CLA:HMB1	8:bJ:26:LEU:HD11	1.87	0.56
14:b1:502:CLA:H12	14:b1:503:CLA:H42	1.88	0.56
1:cA:670:SER:HB3	2:cB:449:ALA:HB1	1.88	0.56
10:cL:8:PRO:HB3	10:cL:13:PRO:HA	1.88	0.56
13:c2:266:LEU:HD13	14:c2:505:CLA:H122	1.88	0.56
13:c4:158:GLY:HA3	13:c4:237:ILE:HG13	1.85	0.56
13:X:316:ALA:O	13:X:320:ASN:ND2	2.34	0.56
13:o:222:HIS:NE2	14:o:501:CLA:NA	2.54	0.56
13:a4:282:TYR:O	13:a4:315:ARG:NH2	2.34	0.56
1:bA:599:LEU:HD21	14:bA:1128:CLA:HBC1	1.87	0.56
2:cB:567:ASP:OD2	3:cC:66:ARG:NH2	2.39	0.56
13:c1:65:ILE:HG23	13:c1:101:LEU:HD13	1.87	0.56
13:V:72:LEU:O	13:V:77:GLN:NE2	2.39	0.56
13:Y:160:HIS:NE2	14:Y:512:CLA:NA	2.54	0.56
13:a:33:ALA:HB2	14:a:508:CLA:HAA2	1.88	0.56
13:f:125:HIS:HA	13:f:129:ALA:HB3	1.88	0.56
13:h:72:LEU:O	13:h:77:GLN:NE2	2.39	0.56
14:l:517:CLA:HBA1	14:l:517:CLA:HBD	1.88	0.56
13:p:221:GLY:HA3	17:p:524:BCR:H402	1.88	0.56
13:a5:49:GLN:HG2	14:a5:509:CLA:HHB	1.86	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:bA:99:ASN:HB2	1:bA:102:ALA:HB3	1.86	0.56
13:c1:164:LEU:HD21	14:c1:509:CLA:H61	1.87	0.56
13:c2:249:LEU:HD21	17:c2:524:BCR:H322	1.88	0.56
13:Y:287:TYR:HB3	13:Y:315:ARG:HB2	1.86	0.56
13:b:60:PHE:O	13:b:64:GLU:HG2	2.06	0.56
13:c:79:LEU:HD13	13:c:82:LEU:HD12	1.87	0.56
13:e:145:PHE:HA	13:e:152:GLN:HG2	1.88	0.56
13:e:175:ALA:HB1	13:e:192:ILE:HD13	1.88	0.56
13:h:50:ALA:O	13:h:54:VAL:HG23	2.05	0.56
13:l:287:TYR:HB3	13:l:315:ARG:HB2	1.88	0.56
1:aA:27:LYS:HB2	14:aA:1109:CLA:HAA2	1.88	0.56
1:aA:225:LYS:HD3	1:aA:252:LEU:HD13	1.88	0.56
13:a5:79:LEU:HD13	13:a5:82:LEU:HD12	1.87	0.56
13:a5:113:ILE:HD12	17:a5:523:BCR:HC8	1.87	0.56
3:bC:55:GLU:HB3	3:bC:63:LEU:HD13	1.88	0.56
8:bJ:28:GLU:OE1	8:bJ:31:ARG:NH2	2.39	0.56
13:b6:222:HIS:NE2	14:b6:501:CLA:NC	2.54	0.56
13:c5:79:LEU:HD13	13:c5:82:LEU:HD12	1.87	0.56
14:W:505:CLA:H51	17:W:524:BCR:H342	1.87	0.56
13:Y:175:ALA:HB1	13:Y:192:ILE:HD13	1.86	0.56
13:h:60:PHE:O	13:h:64:GLU:HG2	2.05	0.56
13:h:297:ILE:O	14:h:519:CLA:ND	2.38	0.56
13:i:50:ALA:O	13:i:54:VAL:HG23	2.05	0.56
13:k:236:HIS:CE1	14:k:506:CLA:NA	2.74	0.56
13:p:261:LEU:HD21	14:p:508:CLA:HAB	1.88	0.56
1:aA:625:VAL:HG22	1:aA:631:VAL:HG22	1.88	0.55
2:aB:373:ALA:HB1	2:aB:732:LEU:HD11	1.87	0.55
14:a1:503:CLA:H41	14:a1:503:CLA:H101	1.87	0.55
2:bB:322:PRO:HB2	2:bB:410:ASN:HA	1.88	0.55
14:bB:1229:CLA:HBB1	14:bB:1229:CLA:HHC	1.87	0.55
14:b1:508:CLA:H2	14:b1:510:CLA:H2	1.89	0.55
14:b4:518:CLA:HBC2	20:b4:822:SQD:H271	1.88	0.55
13:b6:292:GLU:HB2	13:b6:304:THR:OG1	2.06	0.55
14:cB:1211:CLA:HMA3	17:cB:4006:BCR:H292	1.87	0.55
4:cD:39:VAL:HG22	4:cD:49:VAL:HG22	1.88	0.55
13:W:50:ALA:O	13:W:54:VAL:HG23	2.06	0.55
13:W:164:LEU:HD21	14:W:509:CLA:H61	1.87	0.55
14:Y:501:CLA:HMB2	17:Y:524:BCR:H23C	1.89	0.55
13:Z:113:ILE:HD11	14:a:505:CLA:H192	1.87	0.55
13:c:72:LEU:O	13:c:77:GLN:NE2	2.39	0.55
1:aA:272:TRP:HZ3	14:aA:1115:CLA:H51	1.71	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:aA:1101:CLA:HBB1	17:aJ:4013:BCR:H271	1.88	0.55
14:a1:502:CLA:HBD	14:a1:503:CLA:H43	1.88	0.55
13:a6:69:LYS:O	13:a6:77:GLN:NE2	2.36	0.55
1:bA:33:HIS:NE2	14:bA:1109:CLA:O1A	2.38	0.55
2:bB:203:ARG:NH2	2:bB:253:ALA:O	2.37	0.55
2:bB:722:VAL:HG22	21:bB:5002:LMG:H432	1.88	0.55
13:b1:164:LEU:HD21	14:b1:509:CLA:H61	1.87	0.55
13:b3:304:THR:O	13:b3:304:THR:CG2	2.54	0.55
2:cB:348:ILE:HD13	14:cB:1221:CLA:H43	1.87	0.55
11:cM:13:VAL:HG13	17:cM:4021:BCR:H382	1.89	0.55
13:W:32:ASN:OD1	14:W:511:CLA:NC	2.38	0.55
13:h:125:HIS:NE2	14:h:513:CLA:NB	2.55	0.55
13:i:79:LEU:HD13	13:i:82:LEU:HD12	1.87	0.55
2:aB:91:ILE:HB	2:aB:112:PRO:HB2	1.86	0.55
13:b1:69:LYS:O	13:b1:77:GLN:NE2	2.35	0.55
13:b3:264:ILE:HG12	14:b3:502:CLA:HAC1	1.88	0.55
13:b4:303:ASP:HB3	13:b4:305:ILE:HG22	1.87	0.55
13:b6:205:TYR:OH	13:b6:217:ASP:OD2	2.25	0.55
13:b6:304:THR:O	13:b6:304:THR:CG2	2.53	0.55
13:c2:49:GLN:HG2	14:c2:509:CLA:HBB	1.87	0.55
14:c2:501:CLA:HMB1	17:c2:524:BCR:H23C	1.88	0.55
13:W:14:ALA:HB1	13:W:147:TRP:HB2	1.89	0.55
13:Y:60:PHE:O	13:Y:64:GLU:HG2	2.07	0.55
13:j:304:THR:O	13:j:304:THR:CG2	2.50	0.55
13:l:60:PHE:O	13:l:64:GLU:HG2	2.07	0.55
14:aA:1106:CLA:H111	14:aA:1109:CLA:H191	1.88	0.55
14:a4:509:CLA:H101	14:a4:512:CLA:HBD	1.88	0.55
13:a6:139:ARG:HH12	13:c:354:PRO:HD2	1.71	0.55
1:bA:12:VAL:HG21	14:bA:1110:CLA:HAA2	1.89	0.55
14:bB:1201:CLA:H111	17:bM:4021:BCR:H12C	1.89	0.55
13:b1:32:ASN:OD1	14:b1:511:CLA:NC	2.38	0.55
13:b1:264:ILE:HG12	14:b1:502:CLA:HAC1	1.88	0.55
14:b2:503:CLA:H18	14:b2:510:CLA:HBB2	1.88	0.55
13:b3:192:ILE:HG23	13:b3:216:GLU:HG2	1.87	0.55
13:b4:117:VAL:HG22	14:b5:505:CLA:H61	1.87	0.55
1:cA:323:HIS:CE1	14:cA:1120:CLA:NA	2.74	0.55
1:cA:644:ILE:HG13	1:cA:645:THR:HG23	1.87	0.55
1:cA:671:ALA:HA	14:cA:1107:CLA:HBC1	1.88	0.55
14:c3:502:CLA:HBD	14:c3:503:CLA:H43	1.88	0.55
13:T:275:CYS:O	13:T:315:ARG:NH1	2.38	0.55
13:c:125:HIS:CE1	14:c:513:CLA:NA	2.73	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:i:242:LEU:HD12	13:i:244:TRP:HE1	1.71	0.55
13:o:236:HIS:HE1	14:o:506:CLA:NA	2.04	0.55
13:o:349:GLU:O	13:o:353:ASN:ND2	2.40	0.55
14:aA:1138:CLA:H2	14:aB:1229:CLA:H42	1.89	0.55
13:a1:150:PRO:HB2	13:a1:241:PRO:HD2	1.87	0.55
1:bA:277:ASP:N	1:bA:277:ASP:OD1	2.39	0.55
2:bB:195:ILE:HD11	2:bB:255:LEU:HD21	1.89	0.55
1:cA:433:VAL:HA	1:cA:436:HIS:CE1	2.42	0.55
13:T:32:ASN:OD1	14:T:511:CLA:NC	2.40	0.55
13:T:125:HIS:NE2	14:T:513:CLA:NB	2.55	0.55
14:X:502:CLA:H12	14:X:503:CLA:H42	1.88	0.55
13:Y:304:THR:O	13:Y:304:THR:CG2	2.54	0.55
14:Y:501:CLA:C3D	14:Y:503:CLA:H2	2.36	0.55
13:m:65:ILE:HG23	13:m:101:LEU:HD13	1.88	0.55
14:n:501:CLA:HMB1	17:n:524:BCR:H23C	1.88	0.55
1:aA:337:THR:HG21	18:aA:5003:LHG:HC11	1.88	0.55
2:aB:181:GLY:HA3	14:aB:1210:CLA:HBB1	1.89	0.55
14:aB:1205:CLA:O1A	14:aB:1224:CLA:HBD	2.07	0.55
14:a6:507:CLA:H112	17:a6:524:BCR:H362	1.88	0.55
14:b3:502:CLA:HBD	14:b3:503:CLA:H43	1.89	0.55
1:cA:654:LEU:HD11	14:cA:1011:CLA:H72	1.88	0.55
14:cA:1013:CLA:H151	14:cA:1140:CLA:HAB	1.87	0.55
13:c2:304:THR:O	13:c2:304:THR:CG2	2.53	0.55
13:c4:236:HIS:CE1	14:c4:506:CLA:NA	2.74	0.55
13:S:125:HIS:CE1	14:S:513:CLA:NA	2.74	0.55
13:W:304:THR:O	13:W:304:THR:CG2	2.54	0.55
13:X:304:THR:O	13:X:304:THR:CG2	2.54	0.55
13:Y:161:LEU:HD21	14:Y:506:CLA:HAB	1.89	0.55
13:e:125:HIS:HE1	14:e:513:CLA:NA	2.05	0.55
13:k:60:PHE:O	13:k:64:GLU:HG2	2.06	0.55
14:bA:1124:CLA:HAA2	14:bA:1125:CLA:OBD	2.07	0.55
14:bA:1140:CLA:HAC1	15:bA:2001:PQN:H192	1.88	0.55
13:b3:331:GLN:OE1	14:b3:518:CLA:ND	2.40	0.55
2:cB:677:TYR:OH	14:cB:1023:CLA:OBD	2.22	0.55
14:cB:1239:CLA:HBC2	15:cB:2002:PQN:H172	1.88	0.55
13:g:49:GLN:OE1	14:g:510:CLA:NC	2.40	0.55
13:h:236:HIS:HE1	14:h:506:CLA:NA	2.03	0.55
1:bA:101:GLU:HG3	1:bA:155:GLU:HG3	1.87	0.55
13:b2:246:ARG:HA	13:b2:251:PHE:HE1	1.71	0.55
13:b2:304:THR:O	13:b2:304:THR:CG2	2.54	0.55
14:b2:502:CLA:HBD	14:b2:503:CLA:H43	1.89	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:b3:501:CLA:HMB2	17:b3:524:BCR:H23C	1.89	0.55
13:b5:304:THR:O	13:b5:304:THR:CG2	2.53	0.55
1:cA:504:ASN:HB2	14:cA:1134:CLA:HED2	1.88	0.55
2:cB:394:GLY:HA3	17:cB:4010:BCR:H382	1.88	0.55
14:c1:501:CLA:C3D	14:c1:503:CLA:H2	2.36	0.55
13:V:246:ARG:HA	13:V:251:PHE:HE2	1.70	0.55
13:i:125:HIS:HA	13:i:129:ALA:HB3	1.89	0.55
14:aB:1211:CLA:HMA3	17:aB:4006:BCR:H292	1.88	0.55
2:bB:567:ASP:OD2	3:bC:66:ARG:NH2	2.39	0.55
14:b1:502:CLA:H61	14:b1:512:CLA:H42	1.89	0.55
13:b6:49:GLN:HG2	14:b6:509:CLA:HHB	1.88	0.55
1:cA:396:HIS:CE1	14:cA:1126:CLA:ND	2.75	0.55
8:cJ:14:LEU:HD23	8:cJ:17:ILE:HD11	1.89	0.55
14:c2:502:CLA:H61	14:c2:512:CLA:H42	1.88	0.55
13:U:50:ALA:O	13:U:54:VAL:HG23	2.07	0.55
13:b:205:TYR:OH	13:b:217:ASP:OD2	2.22	0.55
13:h:65:ILE:HG23	13:h:101:LEU:HD13	1.89	0.55
1:aA:671:ALA:HA	14:aA:1107:CLA:HBC1	1.89	0.55
2:aB:158:GLN:HB3	20:aB:1852:SQD:H5	1.87	0.55
13:a1:13:SER:N	13:a1:18:THR:HG1	2.05	0.55
13:a3:128:ARG:HB2	13:a4:341:MET:HE3	1.89	0.55
14:bB:1222:CLA:HMA1	17:bB:4010:BCR:H14C	1.88	0.55
15:bB:2002:PQN:H242	17:bB:4017:BCR:H17C	1.89	0.55
13:b5:125:HIS:CE1	14:b5:513:CLA:NC	2.72	0.55
1:cA:277:ASP:OD1	1:cA:277:ASP:N	2.37	0.55
14:cA:1140:CLA:HAC1	15:cA:2001:PQN:H192	1.88	0.55
13:Y:50:ALA:O	13:Y:54:VAL:HG23	2.06	0.55
13:b:139:ARG:NH1	14:b:516:CLA:OBD	2.40	0.55
13:d:50:ALA:O	13:d:54:VAL:HG23	2.07	0.55
13:l:147:TRP:HA	13:l:153:LEU:HD11	1.89	0.55
1:aA:179:HIS:HE1	14:aA:1108:CLA:NA	2.06	0.54
2:aB:436:HIS:HB2	17:aF:4015:BCR:HC42	1.89	0.54
10:aL:42:LEU:HD22	10:aL:46:LEU:HD23	1.88	0.54
1:bA:244:LEU:HD13	18:bA:5004:LHG:HC31	1.87	0.54
1:bA:451:LEU:HB3	1:bA:544:PHE:HB2	1.89	0.54
2:bB:373:ALA:HB1	2:bB:732:LEU:HD11	1.89	0.54
2:bB:677:TYR:OH	14:bB:1023:CLA:OBD	2.25	0.54
13:b5:102:TYR:OH	13:b6:207:THR:O	2.26	0.54
1:cA:366:LEU:HD11	14:cA:1117:CLA:H71	1.88	0.54
6:cF:116:GLU:HG2	6:cF:119:GLU:HB2	1.89	0.54
13:c1:294:LYS:HE2	13:c1:302:ALA:HB2	1.88	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:X:501:CLA:C3D	14:X:503:CLA:H2	2.37	0.54
13:a:50:ALA:O	13:a:54:VAL:HG23	2.07	0.54
13:b:50:ALA:O	13:b:54:VAL:HG23	2.07	0.54
13:b:331:GLN:OE1	14:b:518:CLA:ND	2.40	0.54
14:c:510:CLA:H71	17:c:521:BCR:H19C	1.89	0.54
13:h:33:ALA:HB2	14:h:508:CLA:HAA2	1.89	0.54
13:o:205:TYR:HE2	13:o:217:ASP:HB3	1.72	0.54
1:aA:409:ALA:HB2	17:aA:4008:BCR:H323	1.90	0.54
2:aB:65:LEU:HD11	17:aB:4006:BCR:H281	1.89	0.54
13:a1:72:LEU:HB2	13:a1:77:GLN:HE21	1.72	0.54
14:a5:503:CLA:H202	14:a5:510:CLA:HAB	1.89	0.54
1:bA:575:ARG:NH2	18:bA:5001:LHG:O2	2.40	0.54
2:bB:669:MET:O	2:bB:673:SER:OG	2.23	0.54
14:b2:508:CLA:H2	14:b2:510:CLA:H12	1.89	0.54
14:b4:508:CLA:H2	14:b4:510:CLA:H12	1.89	0.54
13:b6:192:ILE:HD11	13:b6:215:LEU:HD23	1.89	0.54
13:b6:322:HIS:NE2	14:b6:502:CLA:ND	2.55	0.54
1:cA:272:TRP:HZ3	14:cA:1115:CLA:H51	1.71	0.54
2:cB:158:GLN:HB3	20:cB:1852:SQD:H5	1.89	0.54
10:cL:143:PHE:HD1	14:cL:1503:CLA:H43	1.71	0.54
13:c3:241:PRO:HA	14:c3:506:CLA:HED3	1.87	0.54
13:c5:49:GLN:OE1	14:c5:510:CLA:NC	2.40	0.54
13:c6:322:HIS:NE2	14:c6:502:CLA:C4D	2.70	0.54
13:W:175:ALA:HB1	13:W:192:ILE:HD13	1.89	0.54
13:X:72:LEU:HB2	13:X:77:GLN:HE21	1.73	0.54
13:X:125:HIS:HE1	14:X:513:CLA:NA	2.05	0.54
13:X:346:LYS:O	13:X:349:GLU:HG3	2.07	0.54
13:d:95:GLY:HA2	13:d:187:GLN:HB3	1.88	0.54
14:aA:1106:CLA:H172	14:aA:1013:CLA:H201	1.90	0.54
1:bA:202:ALA:HB1	14:bA:1118:CLA:HBC3	1.90	0.54
1:bA:225:LYS:HD3	1:bA:252:LEU:HD13	1.89	0.54
13:b1:329:PHE:HA	14:b1:508:CLA:HMC2	1.89	0.54
14:b3:508:CLA:H52	14:b3:510:CLA:H2	1.90	0.54
4:cD:61:ARG:NH2	4:cD:63:GLU:OE1	2.40	0.54
13:W:79:LEU:HD23	13:W:82:LEU:HD12	1.89	0.54
13:Z:229:LEU:HD21	14:Z:507:CLA:H71	1.88	0.54
13:n:174:LYS:NZ	13:n:180:GLY:O	2.40	0.54
13:o:33:ALA:HB2	14:o:508:CLA:HAA2	1.89	0.54
13:o:196:THR:HG22	13:o:217:ASP:HA	1.88	0.54
1:aA:216:GLN:HA	1:aA:220:SER:HB2	1.88	0.54
1:aA:277:ASP:OD1	1:aA:277:ASP:N	2.40	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
20:aB:1852:SQD:H242	18:bA:5002:LHG:H252	1.89	0.54
2:bB:490:SER:O	2:bB:498:ASN:ND2	2.39	0.54
5:bE:45:ASN:ND2	5:bE:47:THR:OG1	2.39	0.54
13:b5:208:HIS:HB2	13:b5:211:SER:HB3	1.89	0.54
13:b5:246:ARG:HA	13:b5:251:PHE:HE1	1.73	0.54
13:b6:65:ILE:HG23	13:b6:101:LEU:HD13	1.89	0.54
13:Y:320:ASN:HB3	17:Y:521:BCR:HC8	1.89	0.54
13:a:85:LEU:HD21	14:a:503:CLA:HED2	1.90	0.54
14:c:509:CLA:HBD	14:c:509:CLA:H121	1.89	0.54
17:d:522:BCR:HC41	13:q:273:TYR:HD1	1.72	0.54
13:h:69:LYS:O	13:h:77:GLN:NE2	2.38	0.54
13:j:125:HIS:HE1	14:j:513:CLA:NA	2.06	0.54
13:m:291:LEU:HD11	13:m:316:ALA:HA	1.89	0.54
13:o:228:LEU:HG	14:o:506:CLA:HMC3	1.88	0.54
1:aA:366:LEU:HD21	14:aA:1117:CLA:H93	1.89	0.54
1:aA:433:VAL:HA	1:aA:436:HIS:CE1	2.42	0.54
13:a1:174:LYS:NZ	13:a1:180:GLY:O	2.40	0.54
2:cB:669:MET:O	2:cB:673:SER:OG	2.24	0.54
14:cB:1201:CLA:HBC3	14:cB:1226:CLA:H41	1.89	0.54
13:U:241:PRO:HA	14:U:506:CLA:HED3	1.90	0.54
13:V:125:HIS:HE1	14:V:513:CLA:NA	2.04	0.54
13:W:346:LYS:NZ	20:W:822:SQD:O9	2.41	0.54
14:W:502:CLA:HBD	14:W:503:CLA:H43	1.90	0.54
13:X:79:LEU:HD13	13:X:82:LEU:HD12	1.90	0.54
13:c:132:ASP:OD2	13:c:134:SER:OG	2.21	0.54
13:c:139:ARG:HD2	13:c:142:ARG:HD2	1.89	0.54
13:f:174:LYS:NZ	13:f:180:GLY:O	2.41	0.54
14:aA:1140:CLA:H101	14:aA:1013:CLA:H143	1.89	0.54
13:a6:282:TYR:O	13:a6:315:ARG:NH2	2.36	0.54
1:bA:404:LEU:HD21	14:bA:1104:CLA:H142	1.90	0.54
1:bA:437:ARG:NH2	4:bD:44:THR:O	2.41	0.54
1:bA:441:ILE:HG13	1:bA:559:PHE:HE2	1.73	0.54
13:b4:186:LEU:HD12	13:b4:190:ARG:HD2	1.89	0.54
13:c5:35:PHE:HZ	14:c5:509:CLA:HAB	1.72	0.54
13:c5:241:PRO:HA	14:c5:506:CLA:HED3	1.88	0.54
13:c6:297:ILE:O	14:c6:519:CLA:NB	2.41	0.54
14:X:506:CLA:HAB	14:X:507:CLA:H72	1.88	0.54
13:c:158:GLY:HA3	13:c:237:ILE:HG13	1.88	0.54
13:c:182:TYR:OH	13:c:285:GLU:OE1	2.21	0.54
13:f:50:ALA:O	13:f:54:VAL:HG23	2.07	0.54
13:j:282:TYR:O	13:j:315:ARG:NH2	2.37	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:aA:1011:CLA:H2A	14:aA:1011:CLA:O1D	2.07	0.54
8:aJ:12:PRO:HB2	17:aJ:4013:BCR:H292	1.90	0.54
1:bA:352:TRP:HB3	14:bA:1103:CLA:HAC1	1.90	0.54
14:bA:1101:CLA:HBB1	17:bJ:4013:BCR:H271	1.90	0.54
13:b1:49:GLN:HG2	14:b1:509:CLA:HHB	1.89	0.54
13:b6:72:LEU:O	13:b6:77:GLN:NE2	2.41	0.54
13:T:291:LEU:HB3	13:T:301:PHE:HB3	1.88	0.54
13:b:126:THR:HG21	17:b:522:BCR:H271	1.88	0.54
13:h:125:HIS:CE1	14:h:513:CLA:NA	2.76	0.54
2:aB:623:LEU:HD12	14:aB:1012:CLA:H12	1.88	0.54
13:a3:79:LEU:HD13	13:a3:82:LEU:HD12	1.90	0.54
13:a4:128:ARG:HB2	13:a5:341:MET:HE3	1.90	0.54
8:bJ:21:ILE:HA	14:bJ:1302:CLA:HBB2	1.90	0.54
14:b1:502:CLA:HBD	14:b1:503:CLA:H43	1.89	0.54
13:b2:117:VAL:HG22	14:b3:505:CLA:H61	1.89	0.54
13:c4:125:HIS:HA	13:c4:129:ALA:HB3	1.89	0.54
13:Y:264:ILE:HG12	14:Y:502:CLA:HAC1	1.89	0.54
13:k:331:GLN:HA	13:k:334:LEU:HD12	1.89	0.54
14:aA:1117:CLA:H92	14:aA:1127:CLA:H91	1.90	0.54
14:a4:502:CLA:HBD	14:a4:503:CLA:H43	1.90	0.54
1:bA:74:SER:OG	1:bA:180:TYR:HB2	2.08	0.54
1:bA:337:THR:HG21	18:bA:5003:LHG:HC11	1.90	0.54
2:bB:415:VAL:HG11	17:bB:4009:BCR:H271	1.88	0.54
15:bB:2002:PQN:H201	17:bB:4017:BCR:H19C	1.88	0.54
11:bM:13:VAL:HG13	17:bM:4021:BCR:H382	1.89	0.54
13:b4:16:LEU:HD11	14:b4:508:CLA:HMA2	1.90	0.54
13:b4:65:ILE:HG23	13:b4:101:LEU:HD13	1.89	0.54
13:b4:125:HIS:HA	13:b4:129:ALA:HB3	1.90	0.54
1:cA:380:TYR:HD2	1:cA:383:LEU:HD22	1.73	0.54
13:c1:125:HIS:HE1	14:c1:513:CLA:NA	2.06	0.54
14:c5:506:CLA:HBB2	14:c5:507:CLA:H52	1.90	0.54
13:S:158:GLY:HA3	13:S:237:ILE:HG13	1.89	0.54
13:X:33:ALA:HB2	14:X:508:CLA:HAA2	1.89	0.54
13:e:282:TYR:O	13:e:315:ARG:NH2	2.37	0.54
1:aA:398:MET:HE2	1:aA:609:VAL:HG11	1.90	0.54
1:bA:366:LEU:HD23	14:bA:1127:CLA:HBC1	1.90	0.54
14:bB:1023:CLA:H122	17:bI:4018:BCR:H281	1.90	0.54
14:bB:1205:CLA:O1A	14:bB:1224:CLA:HBD	2.08	0.54
13:b2:163:PHE:HD2	14:b2:512:CLA:H51	1.71	0.54
14:cB:1023:CLA:H3A	14:cB:1023:CLA:CGA	2.38	0.54
13:S:304:THR:O	13:S:304:THR:CG2	2.55	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:Z:501:CLA:HMB2	17:Z:524:BCR:H23C	1.89	0.54
13:c:249:LEU:HD21	17:c:524:BCR:H322	1.90	0.54
13:d:331:GLN:OE1	14:d:518:CLA:NB	2.41	0.54
13:j:47:VAL:HG22	14:j:512:CLA:HED1	1.90	0.54
1:aA:587:CYS:HB3	16:aA:3001:SF4:S4	2.48	0.53
14:a1:502:CLA:H61	14:a1:512:CLA:H42	1.90	0.53
1:bA:433:VAL:HA	1:bA:436:HIS:CE1	2.43	0.53
14:bA:1011:CLA:O1D	14:bA:1011:CLA:H2A	2.07	0.53
13:b1:236:HIS:CE1	14:b1:506:CLA:NA	2.76	0.53
14:cA:1103:CLA:H18	17:cA:4002:BCR:H10C	1.89	0.53
13:c6:47:VAL:HG22	14:c6:512:CLA:HED1	1.91	0.53
13:U:214:SER:HB2	13:U:217:ASP:HB2	1.91	0.53
13:X:242:LEU:HD12	13:X:244:TRP:HE1	1.73	0.53
13:Z:334:LEU:HD21	14:Z:505:CLA:HMB2	1.90	0.53
13:c:304:THR:O	13:c:304:THR:CG2	2.55	0.53
13:i:141:ARG:O	13:i:141:ARG:NH1	2.38	0.53
1:aA:244:LEU:HD13	18:aA:5004:LHG:HC31	1.90	0.53
2:aB:37:MET:HE3	2:aB:42:LEU:HA	1.88	0.53
3:aC:55:GLU:HB3	3:aC:63:LEU:HD13	1.88	0.53
13:a3:241:PRO:HA	14:a3:506:CLA:HED3	1.89	0.53
1:bA:644:ILE:HG13	1:bA:645:THR:HG23	1.91	0.53
2:bB:341:HIS:ND1	14:bB:1202:CLA:OBD	2.33	0.53
4:bD:61:ARG:NH2	4:bD:63:GLU:OE1	2.42	0.53
13:b3:236:HIS:CE1	14:b3:506:CLA:NA	2.76	0.53
13:b5:242:LEU:HD12	13:b5:244:TRP:HE1	1.74	0.53
13:c1:316:ALA:O	13:c1:320:ASN:ND2	2.36	0.53
13:c4:145:PHE:HA	13:c4:152:GLN:HG2	1.90	0.53
13:c5:150:PRO:HB3	13:c5:251:PHE:HE2	1.73	0.53
13:S:282:TYR:O	13:S:315:ARG:NH2	2.34	0.53
13:T:341:MET:HE3	13:U:128:ARG:HB2	1.90	0.53
13:Z:33:ALA:HB2	14:Z:508:CLA:HAA2	1.90	0.53
13:a:117:VAL:HG22	14:b:505:CLA:H8	1.91	0.53
13:j:60:PHE:O	13:j:64:GLU:HG2	2.08	0.53
13:a1:113:ILE:HD11	14:a2:505:CLA:H192	1.90	0.53
13:a4:303:ASP:HB3	13:a4:305:ILE:HG22	1.90	0.53
14:a5:508:CLA:H71	14:a5:510:CLA:H51	1.89	0.53
2:bB:699:ARG:HH22	4:bD:20:SER:HB3	1.74	0.53
13:b4:49:GLN:HG2	14:b4:509:CLA:HHB	1.90	0.53
3:cC:34:CYS:SG	3:cC:35:LYS:N	2.81	0.53
13:c1:303:ASP:HB3	13:c1:305:ILE:HG22	1.90	0.53
13:c6:49:GLN:OE1	14:c6:510:CLA:NC	2.41	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:j:344:ASN:O	13:j:347:GLN:HG3	2.08	0.53
14:aA:1140:CLA:H192	14:aF:1301:CLA:HBB1	1.89	0.53
6:aF:130:ILE:HG21	19:aJ:5105:LMU:H91	1.90	0.53
14:a5:508:CLA:H2	14:a5:510:CLA:H12	1.91	0.53
14:bA:1237:CLA:HMC2	14:bB:1238:CLA:H11	1.90	0.53
3:bC:34:CYS:SG	3:bC:35:LYS:N	2.81	0.53
8:bJ:14:LEU:HD23	8:bJ:17:ILE:HD11	1.91	0.53
10:bL:8:PRO:HB3	10:bL:13:PRO:HA	1.89	0.53
14:b2:501:CLA:HMB2	17:b2:524:BCR:H23C	1.90	0.53
13:b4:14:ALA:HB1	13:b4:147:TRP:HB2	1.89	0.53
13:b4:197:LEU:HD21	13:b4:223:ILE:HD12	1.90	0.53
14:cB:1216:CLA:H2A	14:cB:1216:CLA:HED3	1.89	0.53
13:c1:304:THR:O	13:c1:304:THR:CG2	2.54	0.53
14:c3:502:CLA:H12	14:c3:503:CLA:H42	1.90	0.53
13:Y:128:ARG:NH1	13:Z:250:MET:SD	2.79	0.53
13:j:77:GLN:HB3	13:j:79:LEU:HD13	1.91	0.53
14:aA:1102:CLA:HBD	14:aA:1109:CLA:H2	1.89	0.53
18:aA:5002:LHG:HC62	20:cB:1852:SQD:H81	1.89	0.53
1:bA:671:ALA:HA	14:bA:1107:CLA:HBC1	1.90	0.53
14:bF:1301:CLA:HBC2	8:bJ:19:MET:HE1	1.90	0.53
13:b4:236:HIS:CE1	14:b4:506:CLA:NA	2.75	0.53
13:b6:242:LEU:HD12	13:b6:244:TRP:HE1	1.73	0.53
6:cF:60:ARG:NH2	8:cJ:34:PRO:O	2.42	0.53
13:c3:163:PHE:HD2	14:c3:512:CLA:H51	1.72	0.53
14:c3:501:CLA:H193	14:c3:507:CLA:HBB1	1.90	0.53
13:V:282:TYR:O	13:V:315:ARG:NH2	2.36	0.53
13:a:331:GLN:OE1	14:a:518:CLA:ND	2.42	0.53
13:h:236:HIS:HE1	14:h:506:CLA:C1A	2.21	0.53
1:aA:203:GLY:HA3	14:aA:1111:CLA:HBB1	1.89	0.53
14:aA:1137:CLA:H71	17:aA:4008:BCR:H373	1.90	0.53
4:aD:11:TYR:OH	4:aD:45:ALA:O	2.22	0.53
13:a4:236:HIS:CE1	14:a4:506:CLA:NC	2.73	0.53
14:a4:503:CLA:H172	14:a4:510:CLA:HBB2	1.90	0.53
13:a5:124:PHE:HB2	14:a6:505:CLA:HAA2	1.90	0.53
13:a6:264:ILE:HG12	14:a6:502:CLA:HAC1	1.91	0.53
1:bA:411:HIS:CE1	14:bA:1128:CLA:NA	2.77	0.53
14:bB:1222:CLA:H93	14:bB:1234:CLA:H111	1.91	0.53
1:cA:300:HIS:HE2	14:cA:1117:CLA:C2B	2.21	0.53
6:cF:50:ASP:HB3	6:cF:53:SER:HB3	1.89	0.53
13:X:174:LYS:HA	13:X:178:TRP:HB2	1.91	0.53
13:k:159:HIS:CD2	14:k:512:CLA:HBB1	2.43	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:n:158:GLY:HA3	13:n:237:ILE:HG13	1.91	0.53
1:aA:177:TRP:HB2	14:aA:1109:CLA:HMC2	1.90	0.53
14:aA:1119:CLA:H61	17:aA:4007:BCR:H352	1.90	0.53
4:bD:27:LYS:HB2	4:bD:86:ILE:HB	1.90	0.53
2:cB:373:ALA:HB1	2:cB:732:LEU:HD11	1.90	0.53
14:cB:1205:CLA:O1A	14:cB:1224:CLA:HBD	2.08	0.53
13:c3:242:LEU:HD12	13:c3:244:TRP:HE1	1.72	0.53
13:S:235:TRP:HE1	14:S:506:CLA:HED2	1.73	0.53
13:Z:242:LEU:HD12	13:Z:244:TRP:HE1	1.73	0.53
13:c:160:HIS:NE2	14:c:512:CLA:NA	2.57	0.53
13:d:69:LYS:O	13:d:77:GLN:NE2	2.39	0.53
13:f:264:ILE:HG12	14:f:502:CLA:HAC1	1.91	0.53
14:h:501:CLA:HMB1	17:h:524:BCR:H23C	1.90	0.53
13:n:72:LEU:O	13:n:77:GLN:NE2	2.41	0.53
13:o:246:ARG:HA	13:o:251:PHE:HE1	1.74	0.53
14:a3:508:CLA:H43	14:a3:511:CLA:HAC1	1.90	0.53
13:a4:246:ARG:HA	13:a4:251:PHE:HE1	1.74	0.53
1:bA:313:HIS:NE2	14:bA:1118:CLA:NC	2.56	0.53
13:b4:282:TYR:O	13:b4:315:ARG:NH2	2.39	0.53
14:cA:1011:CLA:NA	14:cB:1021:CLA:HAB	2.24	0.53
2:cB:415:VAL:HG11	17:cB:4009:BCR:H271	1.90	0.53
13:c5:171:LEU:HD11	14:c5:501:CLA:HED3	1.90	0.53
13:W:72:LEU:HB2	13:W:77:GLN:HE21	1.74	0.53
13:e:41:LEU:HB3	14:e:511:CLA:HMA1	1.91	0.53
13:e:158:GLY:HA3	13:e:237:ILE:HG13	1.91	0.53
13:h:31:GLY:HA3	14:h:511:CLA:HMD2	1.91	0.53
13:m:160:HIS:NE2	14:m:512:CLA:NA	2.57	0.53
13:q:236:HIS:HE1	14:q:506:CLA:C1A	2.22	0.53
14:aB:1208:CLA:H71	17:aB:4005:BCR:HC42	1.90	0.53
13:a5:50:ALA:O	13:a5:54:VAL:HG23	2.09	0.53
1:bA:411:HIS:HE1	14:bA:1128:CLA:NA	2.07	0.53
13:b1:127:PHE:HB2	13:b2:341:MET:HE2	1.90	0.53
14:b5:502:CLA:HBD	14:b5:503:CLA:H43	1.91	0.53
18:cA:5004:LHG:O9	13:c1:67:GLN:NE2	2.41	0.53
13:U:41:LEU:HB3	14:U:511:CLA:HMA1	1.90	0.53
13:e:329:PHE:HA	14:e:508:CLA:HMC2	1.89	0.53
14:j:509:CLA:HBD	14:j:509:CLA:H121	1.91	0.53
1:aA:74:SER:OG	1:aA:180:TYR:HB2	2.09	0.53
14:aA:1140:CLA:HAB	14:aA:1013:CLA:H151	1.91	0.53
15:aA:2001:PQN:H193	17:aF:4014:BCR:H23C	1.91	0.53
2:aB:125:TYR:O	2:aB:130:ARG:NH1	2.39	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:a5:320:ASN:HB3	17:a5:521:BCR:HC8	1.90	0.53
14:bB:1023:CLA:CGA	14:bB:1023:CLA:H3A	2.39	0.53
14:bB:1223:CLA:H13	17:bB:4010:BCR:H351	1.90	0.53
13:Z:41:LEU:HB3	14:Z:511:CLA:HMA1	1.90	0.53
13:e:289:PRO:HG3	13:e:305:ILE:HB	1.90	0.53
13:f:318:LEU:HD23	14:f:504:CLA:HMB1	1.91	0.53
13:i:236:HIS:CE1	14:i:506:CLA:NC	2.74	0.53
13:j:50:ALA:O	13:j:54:VAL:HG23	2.09	0.53
1:aA:482:LEU:HB2	1:aA:533:THR:HG23	1.90	0.52
10:aL:34:ASN:HB3	14:aL:1501:CLA:HAC1	1.91	0.52
13:a1:57:ALA:O	13:a1:61:THR:OG1	2.26	0.52
14:a5:501:CLA:HMB1	17:a5:524:BCR:H23C	1.91	0.52
1:bA:625:VAL:HG22	1:bA:631:VAL:HG22	1.91	0.52
14:bA:1128:CLA:H71	14:bA:1140:CLA:HED3	1.91	0.52
2:bB:70:TRP:NE1	7:bI:6:ALA:O	2.38	0.52
8:bJ:12:PRO:HB2	17:bJ:4013:BCR:H292	1.92	0.52
14:b3:501:CLA:C3D	14:b3:503:CLA:H2	2.38	0.52
1:cA:127:ASN:HB3	1:cA:135:HIS:HB3	1.91	0.52
14:cA:1011:CLA:H2A	14:cA:1011:CLA:O1D	2.09	0.52
14:cA:1139:CLA:H72	8:cJ:14:LEU:HD13	1.90	0.52
18:cA:5004:LHG:HC61	13:c2:296:GLY:HA3	1.90	0.52
14:cB:1223:CLA:H152	17:cB:4009:BCR:H373	1.91	0.52
13:c5:65:ILE:HG23	13:c5:101:LEU:HD13	1.91	0.52
13:S:128:ARG:HB2	13:V:341:MET:HE3	1.91	0.52
13:T:291:LEU:HD11	13:T:316:ALA:HA	1.90	0.52
13:W:160:HIS:NE2	14:W:512:CLA:NA	2.56	0.52
13:X:69:LYS:O	13:X:77:GLN:NE2	2.40	0.52
13:X:158:GLY:HA3	13:X:237:ILE:HG13	1.90	0.52
13:b:79:LEU:HD13	13:b:82:LEU:HD12	1.91	0.52
13:k:50:ALA:O	13:k:54:VAL:HG23	2.08	0.52
1:aA:601:TRP:CH2	14:aA:1022:CLA:HAB	2.44	0.52
2:aB:677:TYR:OH	14:aB:1023:CLA:OBD	2.26	0.52
14:aB:1227:CLA:HBC2	17:aB:4009:BCR:H281	1.90	0.52
13:a6:50:ALA:O	13:a6:54:VAL:HG23	2.10	0.52
14:bA:1110:CLA:HBB2	14:bA:1118:CLA:H111	1.90	0.52
2:bB:91:ILE:HB	2:bB:112:PRO:HB2	1.90	0.52
2:bB:222:LEU:HD21	17:bB:4004:BCR:HC42	1.91	0.52
14:bB:1216:CLA:HMB3	14:bB:1221:CLA:H52	1.91	0.52
13:b6:145:PHE:HA	13:b6:152:GLN:HG2	1.91	0.52
1:cA:378:PRO:HG2	1:cA:384:ALA:HB2	1.91	0.52
18:cA:5005:LHG:HC61	17:c2:521:BCR:H313	1.92	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:c1:502:CLA:HBD	14:c1:503:CLA:H43	1.92	0.52
14:c3:508:CLA:H92	14:c3:510:CLA:H62	1.92	0.52
13:U:112:LEU:HG	17:U:522:BCR:H12C	1.90	0.52
13:b:241:PRO:HA	14:b:506:CLA:HED3	1.91	0.52
13:g:43:ILE:HD11	14:g:512:CLA:HBC3	1.90	0.52
13:l:202:ILE:HG13	13:l:224:TYR:HD2	1.73	0.52
13:n:33:ALA:HB2	14:n:508:CLA:HAA2	1.91	0.52
13:o:295:LEU:HD13	13:p:62:LEU:HB3	1.91	0.52
13:o:322:HIS:NE2	14:o:502:CLA:ND	2.57	0.52
13:p:50:ALA:O	13:p:54:VAL:HG23	2.09	0.52
13:p:287:TYR:HB3	13:p:315:ARG:HB2	1.92	0.52
13:q:125:HIS:HE1	14:q:513:CLA:NA	2.07	0.52
1:aA:411:HIS:CE1	14:aA:1128:CLA:NA	2.76	0.52
13:a3:65:ILE:HG23	13:a3:101:LEU:HD13	1.90	0.52
1:bA:212:TRP:NE1	1:bA:216:GLN:OE1	2.42	0.52
1:bA:448:CYS:HB3	1:bA:548:VAL:HG22	1.91	0.52
1:bA:670:SER:HB3	2:bB:449:ALA:HB1	1.91	0.52
6:bF:139:TRP:CD1	6:bF:140:PRO:HD3	2.43	0.52
13:b1:125:HIS:HE1	14:b1:513:CLA:NA	2.06	0.52
17:b4:522:BCR:HC7	13:b5:323:PHE:HE1	1.75	0.52
14:c2:502:CLA:HBD	14:c2:503:CLA:H43	1.91	0.52
13:c4:41:LEU:HB3	14:c4:511:CLA:HMA1	1.90	0.52
13:e:147:TRP:HA	13:e:153:LEU:HD11	1.91	0.52
13:e:322:HIS:NE2	14:e:502:CLA:ND	2.57	0.52
13:g:50:ALA:O	13:g:54:VAL:HG23	2.09	0.52
13:l:182:TYR:HB2	13:l:189:VAL:HG22	1.90	0.52
13:o:50:ALA:O	13:o:54:VAL:HG23	2.10	0.52
13:o:236:HIS:HE1	14:o:506:CLA:C1A	2.22	0.52
20:aB:1852:SQD:H81	18:bA:5002:LHG:HC62	1.91	0.52
14:bA:1140:CLA:H101	14:bA:1013:CLA:H143	1.91	0.52
2:bB:394:GLY:HA3	17:bB:4010:BCR:H382	1.91	0.52
2:bB:697:LEU:HD11	10:bL:37:ALA:HB1	1.92	0.52
15:bB:2002:PQN:H161	17:bB:4017:BCR:H382	1.91	0.52
14:b5:502:CLA:H12	14:b5:503:CLA:H42	1.90	0.52
13:b6:125:HIS:HE1	14:b6:513:CLA:NA	2.08	0.52
13:c4:65:ILE:HG23	13:c4:101:LEU:HD13	1.91	0.52
13:T:236:HIS:HE1	14:T:506:CLA:C4D	2.22	0.52
13:V:150:PRO:HB2	13:V:241:PRO:HD2	1.90	0.52
13:W:128:ARG:HB2	13:X:341:MET:HE3	1.92	0.52
13:Y:295:LEU:HD12	13:Y:299:PRO:HG3	1.91	0.52
14:d:509:CLA:H101	14:d:512:CLA:HBD	1.92	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:j:303:ASP:OD1	13:j:313:THR:OG1	2.21	0.52
13:k:68:TYR:HE1	13:k:74:MET:HG2	1.74	0.52
13:n:106:VAL:HG22	17:n:523:BCR:HC22	1.92	0.52
13:n:248:LEU:HD13	17:n:524:BCR:HC32	1.91	0.52
13:p:125:HIS:HE1	14:p:513:CLA:NA	2.07	0.52
13:p:225:ILE:HD11	17:p:524:BCR:H372	1.91	0.52
2:aB:180:ALA:HB2	2:aB:288:GLY:HA3	1.91	0.52
14:bA:1117:CLA:H92	14:bA:1127:CLA:H91	1.91	0.52
10:bL:69:LEU:HD23	10:bL:74:VAL:HG23	1.90	0.52
13:b1:125:HIS:HA	13:b1:129:ALA:HB3	1.92	0.52
1:cA:599:LEU:HD21	14:cA:1128:CLA:HBC1	1.91	0.52
14:cA:1140:CLA:H92	15:cA:2001:PQN:H191	1.92	0.52
2:cB:670:PHE:HA	15:cB:2002:PQN:H9	1.91	0.52
14:c6:509:CLA:H121	14:c6:509:CLA:HBD	1.90	0.52
13:X:175:ALA:HB1	13:X:192:ILE:HD13	1.91	0.52
13:n:34:ARG:NH1	14:n:511:CLA:OBD	2.42	0.52
13:n:164:LEU:HD21	14:n:509:CLA:H61	1.91	0.52
1:aA:207:LEU:HD22	17:aA:4002:BCR:H361	1.92	0.52
1:aA:378:PRO:HG2	1:aA:384:ALA:HB2	1.91	0.52
1:aA:411:HIS:HE1	14:aA:1128:CLA:C4A	2.22	0.52
14:aA:1105:CLA:OBD	19:aA:1848:LMU:O2'	2.28	0.52
2:aB:195:ILE:HD11	2:aB:255:LEU:HD21	1.90	0.52
3:aC:17:CYS:HB2	3:aC:54:CYS:HB2	1.91	0.52
13:a1:125:HIS:HE1	14:a1:513:CLA:NA	2.08	0.52
13:a1:242:LEU:HD12	13:a1:244:TRP:HE1	1.75	0.52
14:a1:501:CLA:H151	14:a1:507:CLA:H72	1.92	0.52
17:a2:522:BCR:HC41	13:a3:273:TYR:HB2	1.90	0.52
13:a6:158:GLY:HA3	13:a6:237:ILE:HG13	1.91	0.52
1:bA:269:THR:HB	9:bK:11:TRP:HB2	1.90	0.52
14:bA:1119:CLA:H72	14:bA:1122:CLA:H92	1.92	0.52
2:bB:182:LEU:HD13	14:bB:1210:CLA:HBB	1.92	0.52
14:bB:1223:CLA:H13	17:bB:4010:BCR:H15C	1.91	0.52
3:bC:52:LYS:NZ	3:bC:67:VAL:O	2.43	0.52
1:cA:27:LYS:HB2	14:cA:1109:CLA:HAA2	1.90	0.52
1:cA:366:LEU:HD23	14:cA:1127:CLA:HBC1	1.91	0.52
14:cA:1122:CLA:H42	14:cA:1137:CLA:H72	1.91	0.52
13:c1:241:PRO:HA	14:c1:506:CLA:HED3	1.91	0.52
13:c5:264:ILE:HG12	14:c5:502:CLA:HAC1	1.91	0.52
13:j:41:LEU:HB3	14:j:511:CLA:HMA1	1.91	0.52
13:m:158:GLY:HA3	13:m:237:ILE:HG13	1.92	0.52
13:p:32:ASN:OD1	14:p:511:CLA:NC	2.42	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:aA:583:ARG:HD3	4:aD:61:ARG:HH22	1.75	0.52
14:aA:1101:CLA:H42	14:aA:1106:CLA:H202	1.92	0.52
14:aA:1122:CLA:H61	14:aA:1137:CLA:H11	1.92	0.52
14:a2:501:CLA:C2D	14:a2:503:CLA:H2	2.40	0.52
14:a2:501:CLA:HMB2	17:a2:524:BCR:H23C	1.92	0.52
14:a6:508:CLA:H43	14:a6:511:CLA:HAC1	1.90	0.52
14:bA:1102:CLA:HBD	14:bA:1109:CLA:H2	1.91	0.52
2:bB:348:ILE:HD13	14:bB:1221:CLA:H43	1.90	0.52
13:b3:242:LEU:HD12	13:b3:244:TRP:HE1	1.75	0.52
2:cB:436:HIS:HB2	17:cF:4015:BCR:HC42	1.92	0.52
13:c1:174:LYS:NZ	13:c1:180:GLY:O	2.42	0.52
13:c2:161:LEU:HD22	13:c2:229:LEU:HD22	1.92	0.52
14:c3:509:CLA:H121	14:c3:509:CLA:HBD	1.91	0.52
13:T:133:LEU:HB2	13:T:144:HIS:HB2	1.92	0.52
13:V:161:LEU:HD22	13:V:229:LEU:HD22	1.90	0.52
13:V:320:ASN:HB3	17:V:521:BCR:HC8	1.92	0.52
13:V:322:HIS:NE2	14:V:502:CLA:ND	2.58	0.52
14:a:502:CLA:HBD	14:a:503:CLA:H43	1.92	0.52
13:c:112:LEU:HG	17:c:522:BCR:H12C	1.90	0.52
13:c:125:HIS:NE2	14:c:513:CLA:NB	2.57	0.52
13:j:98:VAL:O	13:j:98:VAL:HG23	2.10	0.52
13:n:161:LEU:HD22	13:n:229:LEU:HD22	1.92	0.52
13:o:304:THR:O	13:o:304:THR:CG2	2.56	0.52
13:p:72:LEU:O	13:p:77:GLN:NE2	2.43	0.52
13:p:322:HIS:NE2	14:p:502:CLA:ND	2.58	0.52
13:a3:322:HIS:NE2	14:a3:502:CLA:ND	2.58	0.52
1:bA:583:ARG:HD3	4:bD:61:ARG:HH22	1.75	0.52
1:bA:696:TYR:OH	14:bA:1013:CLA:OBD	2.27	0.52
13:b4:221:GLY:HA3	17:b4:524:BCR:H402	1.92	0.52
13:b4:266:LEU:HD23	14:b4:501:CLA:H142	1.92	0.52
13:b4:345:PHE:HB3	20:b4:822:SQD:H101	1.92	0.52
14:cA:1140:CLA:HBA1	18:cA:5001:LHG:H171	1.90	0.52
14:cB:1207:CLA:HHC	14:cB:1207:CLA:HBB1	1.92	0.52
14:c4:513:CLA:HBB1	17:c4:523:BCR:H24C	1.92	0.52
13:S:84:HIS:ND1	13:S:287:TYR:OH	2.40	0.52
13:V:32:ASN:OD1	14:V:511:CLA:NC	2.42	0.52
13:W:241:PRO:HA	14:W:506:CLA:HED3	1.90	0.52
13:W:242:LEU:HD12	13:W:244:TRP:HE1	1.74	0.52
13:X:171:LEU:HD22	14:X:501:CLA:C1D	2.40	0.52
13:Y:276:ALA:HA	13:Y:291:LEU:HD12	1.92	0.52
13:a:316:ALA:O	13:a:320:ASN:ND2	2.34	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:b:308:PRO:HB2	13:b:309:LEU:HD12	1.92	0.52
13:o:14:ALA:HB1	13:o:147:TRP:HB2	1.92	0.52
1:aA:359:ASN:ND2	14:aA:1103:CLA:OBD	2.36	0.52
2:aB:176:ASN:ND2	2:aB:291:TYR:O	2.36	0.52
2:aB:426:LEU:HB3	2:aB:539:LEU:HD13	1.92	0.52
14:aB:1223:CLA:H152	17:aB:4009:BCR:H373	1.91	0.52
13:a3:60:PHE:O	13:a3:64:GLU:HG2	2.10	0.52
13:a6:195:PRO:HA	13:a6:216:GLU:HB3	1.92	0.52
14:bA:1105:CLA:OBD	19:bA:1848:LMU:O2'	2.28	0.52
13:b4:49:GLN:OE1	14:b4:510:CLA:NC	2.43	0.52
14:c6:501:CLA:C4D	14:c6:503:CLA:H2	2.40	0.52
13:S:43:ILE:HD11	14:S:512:CLA:HBC3	1.91	0.52
13:a:289:PRO:HG3	13:a:305:ILE:HD12	1.91	0.52
13:d:125:HIS:HE1	14:d:513:CLA:NA	2.08	0.52
13:g:345:PHE:HB3	20:g:822:SQD:H92	1.91	0.52
13:l:125:HIS:HE1	14:l:513:CLA:NA	2.08	0.52
1:aA:101:GLU:HG3	1:aA:155:GLU:HG3	1.92	0.52
2:aB:530:ILE:HG21	14:aB:1234:CLA:HAB	1.92	0.52
1:bA:202:ALA:HB2	1:bA:312:GLY:HA3	1.92	0.52
1:bA:371:ALA:HB2	1:bA:397:HIS:HB2	1.92	0.52
13:b3:275:CYS:O	13:b3:315:ARG:NH1	2.42	0.52
2:cB:193:HIS:CE1	14:cB:1211:CLA:NA	2.78	0.52
2:cB:322:PRO:HB2	2:cB:410:ASN:HA	1.90	0.52
13:S:246:ARG:HA	13:S:251:PHE:HE2	1.75	0.52
14:W:509:CLA:HBD	14:W:509:CLA:H121	1.91	0.52
13:Y:236:HIS:HE1	14:Y:506:CLA:C1A	2.22	0.52
13:h:304:THR:O	13:h:304:THR:CG2	2.57	0.52
13:k:106:VAL:HG22	17:k:523:BCR:HC22	1.90	0.52
13:m:236:HIS:CE1	14:m:506:CLA:NA	2.78	0.52
13:n:160:HIS:NE2	14:n:512:CLA:NA	2.58	0.52
1:aA:549:THR:HG21	14:aA:1124:CLA:HAC2	1.92	0.51
14:aA:1011:CLA:NA	14:aB:1021:CLA:HAB	2.25	0.51
2:aB:145:LEU:HD11	14:aB:1211:CLA:H161	1.91	0.51
14:bA:1022:CLA:H121	14:bB:1207:CLA:HBC3	1.91	0.51
14:b3:508:CLA:H43	14:b3:511:CLA:HAC1	1.92	0.51
13:b5:142:ARG:O	13:b5:152:GLN:NE2	2.40	0.51
1:cA:352:TRP:HB3	14:cA:1103:CLA:HAC1	1.93	0.51
1:cA:685:PHE:HZ	14:cA:1140:CLA:HBC2	1.75	0.51
14:cB:1227:CLA:HAB	14:cB:1236:CLA:HBB2	1.91	0.51
3:cC:2:ALA:N	3:cC:71:ALA:O	2.43	0.51
13:S:205:TYR:HE2	13:S:217:ASP:HB3	1.75	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:W:60:PHE:O	13:W:64:GLU:HG2	2.10	0.51
13:X:303:ASP:HB2	13:X:305:ILE:HG22	1.90	0.51
13:b:32:ASN:OD1	14:b:511:CLA:NC	2.43	0.51
13:b:304:THR:O	13:b:304:THR:CG2	2.54	0.51
13:e:181:LEU:HD22	14:e:501:CLA:HED1	1.92	0.51
13:i:175:ALA:HB1	13:i:192:ILE:HD13	1.92	0.51
13:j:341:MET:HE3	13:k:128:ARG:HB2	1.92	0.51
13:l:242:LEU:HD12	13:l:244:TRP:HE1	1.74	0.51
13:m:322:HIS:NE2	14:m:502:CLA:ND	2.58	0.51
13:n:112:LEU:HG	17:n:522:BCR:H12C	1.92	0.51
13:o:125:HIS:CE1	14:o:513:CLA:NA	2.78	0.51
2:aB:86:PRO:HB3	2:aB:121:TYR:CG	2.45	0.51
6:aF:69:ASP:OD1	6:aF:69:ASP:N	2.43	0.51
14:a6:501:CLA:HMB2	17:a6:524:BCR:H23C	1.91	0.51
1:bA:409:ALA:HB2	17:bA:4008:BCR:H323	1.91	0.51
2:bB:246:THR:HG22	2:bB:248:GLN:H	1.75	0.51
1:cA:448:CYS:HB3	1:cA:548:VAL:HG22	1.92	0.51
14:cA:1101:CLA:HBB1	17:cJ:4013:BCR:H271	1.91	0.51
13:c3:304:THR:O	13:c3:304:THR:CG2	2.56	0.51
14:d:503:CLA:H2A	14:d:503:CLA:HED2	1.93	0.51
13:g:344:ASN:HB3	13:g:347:GLN:HB2	1.92	0.51
13:l:112:LEU:HG	17:l:522:BCR:H12C	1.90	0.51
2:aB:246:THR:HG22	2:aB:248:GLN:H	1.75	0.51
14:aB:1228:CLA:HAC1	14:aB:1236:CLA:HBC3	1.91	0.51
14:bA:1119:CLA:H61	17:bA:4007:BCR:H352	1.91	0.51
14:cA:1101:CLA:H42	14:cA:1106:CLA:H202	1.92	0.51
13:c5:161:LEU:HD22	13:c5:229:LEU:HD22	1.91	0.51
13:Z:49:GLN:HG2	14:Z:509:CLA:HHB	1.91	0.51
13:Z:322:HIS:NE2	14:Z:502:CLA:ND	2.58	0.51
13:a:346:LYS:O	13:a:349:GLU:HG3	2.10	0.51
13:b:261:LEU:HD21	14:b:508:CLA:HAB	1.93	0.51
13:e:163:PHE:CE2	14:e:512:CLA:HHB	2.46	0.51
1:aA:435:ARG:NH1	4:aD:13:GLY:O	2.36	0.51
3:aC:22:PRO:HD3	3:aC:53:ARG:HD2	1.92	0.51
14:aF:1301:CLA:HMB1	8:aJ:26:LEU:HD11	1.93	0.51
13:b2:49:GLN:HG2	14:b2:509:CLA:HHB	1.92	0.51
1:cA:416:MET:O	1:cA:561:ARG:NH1	2.36	0.51
14:cA:1120:CLA:C1D	17:cK:4001:BCR:H382	2.40	0.51
13:c1:49:GLN:OE1	14:c1:510:CLA:NC	2.43	0.51
13:U:125:HIS:HE1	14:U:513:CLA:NA	2.08	0.51
14:V:512:CLA:H2A	14:V:512:CLA:HED2	1.92	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:e:346:LYS:O	13:e:349:GLU:HG3	2.11	0.51
13:g:72:LEU:HB2	13:g:77:GLN:HE21	1.75	0.51
13:o:160:HIS:NE2	14:o:512:CLA:NA	2.59	0.51
4:aD:118:ARG:NH2	4:aD:136:PRO:O	2.44	0.51
13:a1:145:PHE:HA	13:a1:152:GLN:HG2	1.93	0.51
13:a4:49:GLN:HG2	14:a4:509:CLA:HHB	1.92	0.51
13:a5:242:LEU:HD12	13:a5:244:TRP:HE1	1.74	0.51
13:a6:125:HIS:CE1	14:a6:513:CLA:NA	2.79	0.51
14:a6:518:CLA:H42	14:a6:518:CLA:HHB	1.92	0.51
1:bA:378:PRO:HG2	1:bA:384:ALA:HB2	1.93	0.51
14:bA:1129:CLA:HMC3	14:bA:1137:CLA:HAB	1.92	0.51
6:bF:116:GLU:HG2	6:bF:119:GLU:HB2	1.93	0.51
13:b2:242:LEU:HD12	13:b2:244:TRP:HE1	1.76	0.51
14:b2:508:CLA:H93	17:b2:521:BCR:H21C	1.91	0.51
14:cA:1022:CLA:H121	14:cB:1207:CLA:HBC3	1.93	0.51
13:c6:60:PHE:O	13:c6:64:GLU:HG2	2.11	0.51
13:V:106:VAL:HG22	17:V:523:BCR:HC22	1.93	0.51
13:W:33:ALA:HB2	14:W:508:CLA:HAA2	1.93	0.51
13:o:74:MET:HB2	13:o:286:PHE:HA	1.91	0.51
1:aA:24:SER:O	14:aA:1109:CLA:HHB	2.10	0.51
14:aA:1126:CLA:O1D	14:aA:1127:CLA:HHB	2.11	0.51
2:aB:426:LEU:HD13	2:aB:539:LEU:HA	1.93	0.51
13:a5:125:HIS:HE1	14:a5:513:CLA:NA	2.08	0.51
14:bA:1137:CLA:H71	17:bA:4008:BCR:H373	1.92	0.51
2:bB:433:LEU:HD23	17:bF:4015:BCR:HC32	1.92	0.51
14:b4:501:CLA:HMB2	17:b4:524:BCR:H23C	1.92	0.51
1:cA:371:ALA:HB2	1:cA:397:HIS:HB2	1.92	0.51
1:cA:549:THR:HG21	14:cA:1124:CLA:HAC2	1.91	0.51
2:cB:182:LEU:HD13	14:cB:1210:CLA:HHB	1.91	0.51
13:c5:47:VAL:HG22	14:c5:512:CLA:HED1	1.92	0.51
14:S:501:CLA:C3D	14:S:503:CLA:H2	2.41	0.51
14:U:512:CLA:HMB1	14:U:516:CLA:HBC2	1.92	0.51
13:W:174:LYS:NZ	13:W:180:GLY:O	2.43	0.51
13:c:128:ARG:HB2	13:d:341:MET:HE3	1.91	0.51
13:h:316:ALA:O	13:h:320:ASN:ND2	2.35	0.51
13:o:47:VAL:HG22	14:o:512:CLA:HED1	1.92	0.51
1:cA:337:THR:HG21	18:cA:5003:LHG:HC11	1.93	0.51
1:cA:601:TRP:CH2	14:cA:1022:CLA:HAB	2.46	0.51
10:cL:132:SER:HA	10:cL:135:VAL:HG12	1.93	0.51
13:c5:50:ALA:O	13:c5:54:VAL:HG23	2.11	0.51
13:c6:50:ALA:O	13:c6:54:VAL:HG23	2.10	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:a:287:TYR:HB3	13:a:315:ARG:HB2	1.92	0.51
13:f:304:THR:O	13:f:304:THR:CG2	2.57	0.51
13:l:14:ALA:HB1	13:l:147:TRP:HB2	1.91	0.51
13:m:261:LEU:HD21	14:m:508:CLA:HAB	1.92	0.51
13:m:346:LYS:O	13:m:349:GLU:HG3	2.11	0.51
13:a4:304:THR:O	13:a4:304:THR:CG2	2.57	0.51
14:bA:1117:CLA:H8	14:bA:1117:CLA:HAB	1.93	0.51
14:b4:503:CLA:H18	14:b4:510:CLA:HBB2	1.93	0.51
14:cB:1223:CLA:H13	17:cB:4010:BCR:H15C	1.93	0.51
13:c4:242:LEU:HD12	13:c4:244:TRP:HE1	1.75	0.51
13:c6:145:PHE:HA	13:c6:152:GLN:HG2	1.92	0.51
13:S:336:HIS:CE1	14:S:508:CLA:NA	2.79	0.51
13:V:69:LYS:O	13:V:77:GLN:NE2	2.35	0.51
13:X:147:TRP:HA	13:X:153:LEU:HD11	1.93	0.51
13:j:205:TYR:HD2	17:j:524:BCR:H401	1.75	0.51
13:k:236:HIS:HE1	14:k:506:CLA:C1A	2.24	0.51
14:k:512:CLA:HED2	14:k:513:CLA:HBB2	1.92	0.51
14:a5:501:CLA:H122	14:a5:507:CLA:H61	1.93	0.51
1:bA:504:ASN:HB2	14:bA:1134:CLA:HED2	1.92	0.51
14:bA:1101:CLA:H42	14:bA:1106:CLA:H202	1.93	0.51
13:b3:13:SER:OG	13:b3:14:ALA:N	2.44	0.51
14:cA:1125:CLA:CGA	17:cA:4008:BCR:H17C	2.41	0.51
13:Z:60:PHE:O	13:Z:64:GLU:HG2	2.11	0.51
13:Z:69:LYS:O	13:Z:77:GLN:NE2	2.44	0.51
13:e:50:ALA:O	13:e:54:VAL:HG23	2.10	0.51
13:p:331:GLN:OE1	14:p:518:CLA:ND	2.44	0.51
14:aA:1022:CLA:HED3	14:aA:1011:CLA:H92	1.93	0.51
13:a4:242:LEU:HD12	13:a4:244:TRP:HE1	1.75	0.51
1:bA:432:ARG:HG2	1:bA:435:ARG:HH21	1.76	0.51
1:bA:715:PRO:HA	6:bF:108:LEU:HD21	1.93	0.51
14:bA:1118:CLA:H101	17:bA:4002:BCR:H392	1.93	0.51
14:bA:1120:CLA:HBA2	9:bK:33:ALA:HB1	1.93	0.51
4:bD:10:LEU:HG	4:bD:51:ARG:HD3	1.91	0.51
13:b4:112:LEU:O	13:b4:115:SER:OG	2.26	0.51
13:b5:163:PHE:CE2	14:b5:512:CLA:HBB	2.46	0.51
1:cA:93:HIS:CE1	14:cA:1105:CLA:NA	2.79	0.51
1:cA:323:HIS:HE1	14:cA:1120:CLA:NA	2.08	0.51
17:cA:4007:BCR:H403	18:cA:5002:LHG:H302	1.93	0.51
13:c4:57:ALA:O	13:c4:61:THR:OG1	2.28	0.51
14:c5:502:CLA:HMB2	14:c5:504:CLA:HAB	1.93	0.51
13:U:60:PHE:O	13:U:64:GLU:HG2	2.11	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:X:146:ARG:NH2	13:X:148:ASP:OD2	2.43	0.51
13:Y:164:LEU:HD21	14:Y:509:CLA:H61	1.93	0.51
13:Z:164:LEU:HD21	14:Z:509:CLA:H61	1.93	0.51
13:j:297:ILE:O	14:j:519:CLA:ND	2.44	0.51
13:q:205:TYR:OH	13:q:217:ASP:OD2	2.21	0.51
10:aL:8:PRO:HB3	10:aL:13:PRO:HA	1.92	0.50
13:a2:197:LEU:O	13:a2:224:TYR:OH	2.24	0.50
1:bA:366:LEU:HD11	14:bA:1117:CLA:H71	1.92	0.50
14:bA:1103:CLA:H18	17:bA:4002:BCR:H10C	1.93	0.50
14:bA:1123:CLA:HBA1	14:bA:1127:CLA:H18	1.93	0.50
14:bB:1228:CLA:HAC1	14:bB:1236:CLA:HBC3	1.92	0.50
14:b2:501:CLA:C3D	14:b2:503:CLA:H2	2.41	0.50
13:b5:60:PHE:O	13:b5:64:GLU:HG2	2.11	0.50
1:cA:482:LEU:HB2	1:cA:533:THR:HG23	1.93	0.50
3:cC:81:TYR:HB3	4:cD:19:LEU:HD12	1.92	0.50
13:c5:163:PHE:HD2	14:c5:512:CLA:H2	1.75	0.50
13:W:171:LEU:HD22	14:W:501:CLA:C1D	2.41	0.50
14:W:501:CLA:C3D	14:W:503:CLA:H2	2.41	0.50
13:g:163:PHE:CE2	14:g:512:CLA:HHB	2.46	0.50
14:h:509:CLA:H101	14:h:512:CLA:HBD	1.92	0.50
13:i:14:ALA:HB1	13:i:147:TRP:HB2	1.92	0.50
13:k:248:LEU:HD13	17:k:524:BCR:HC32	1.92	0.50
13:o:64:GLU:O	13:o:68:TYR:HB2	2.11	0.50
13:o:174:LYS:HA	13:o:178:TRP:HB2	1.93	0.50
1:aA:396:HIS:CE1	14:aA:1126:CLA:ND	2.79	0.50
5:aE:7:LYS:HB2	5:aE:70:ALA:HB2	1.93	0.50
11:aM:16:LEU:HD11	17:aM:4021:BCR:H373	1.93	0.50
14:a4:511:CLA:HMB1	17:a4:522:BCR:H382	1.94	0.50
14:a6:509:CLA:HBD	14:a6:509:CLA:H121	1.93	0.50
1:bA:31:PRO:HB2	1:bA:47:TRP:HH2	1.76	0.50
2:bB:276:HIS:CE1	14:bB:1214:CLA:ND	2.79	0.50
4:bD:39:VAL:O	4:bD:76:ARG:NH2	2.44	0.50
13:b1:242:LEU:HD12	13:b1:244:TRP:HE1	1.76	0.50
14:b6:519:CLA:HED2	14:b6:519:CLA:H2A	1.92	0.50
1:cA:216:GLN:HA	1:cA:220:SER:HB2	1.92	0.50
1:cA:696:TYR:OH	14:cA:1013:CLA:OBD	2.28	0.50
14:cB:1222:CLA:HMA1	17:cB:4010:BCR:H14C	1.93	0.50
13:c3:192:ILE:HG23	13:c3:216:GLU:HG3	1.93	0.50
13:U:145:PHE:HA	13:U:152:GLN:HG2	1.93	0.50
13:U:158:GLY:HA3	13:U:237:ILE:HG13	1.93	0.50
13:X:32:ASN:OD1	14:X:511:CLA:NC	2.44	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:e:291:LEU:HB3	13:e:301:PHE:HB3	1.91	0.50
13:j:133:LEU:HD22	13:j:140:ALA:HB1	1.93	0.50
13:k:161:LEU:HD22	13:k:229:LEU:HD22	1.93	0.50
13:l:50:ALA:O	13:l:54:VAL:HG23	2.11	0.50
13:m:236:HIS:HE1	14:m:506:CLA:C1A	2.24	0.50
1:aA:211:ALA:HA	14:aA:1113:CLA:HBB2	1.93	0.50
13:a2:163:PHE:CE2	14:a2:512:CLA:HHB	2.46	0.50
13:a5:60:PHE:O	13:a5:64:GLU:HG2	2.12	0.50
13:a5:85:LEU:HD21	14:a5:503:CLA:HED2	1.92	0.50
13:a5:174:LYS:NZ	13:a5:180:GLY:O	2.44	0.50
2:bB:176:ASN:ND2	2:bB:291:TYR:O	2.40	0.50
2:bB:231:GLY:HA2	14:bB:1213:CLA:HAA2	1.92	0.50
14:b1:501:CLA:C3D	14:b1:503:CLA:H2	2.41	0.50
13:b2:125:HIS:HE1	14:b2:513:CLA:NA	2.08	0.50
13:b2:291:LEU:HG	13:b2:315:ARG:HD2	1.94	0.50
13:b3:208:HIS:HB2	13:b3:211:SER:HB3	1.93	0.50
1:cA:526:MET:HE1	1:cA:617:MET:HE1	1.92	0.50
2:cB:86:PRO:HB3	2:cB:121:TYR:CG	2.47	0.50
2:cB:697:LEU:HD11	10:cL:37:ALA:HB1	1.93	0.50
4:cD:9:PRO:HA	4:cD:51:ARG:HG2	1.93	0.50
13:c4:221:GLY:HA3	17:c4:524:BCR:H402	1.93	0.50
13:c4:303:ASP:OD1	13:c4:313:THR:OG1	2.26	0.50
13:T:69:LYS:O	13:T:77:GLN:NE2	2.41	0.50
13:Y:215:LEU:H	13:Y:215:LEU:HD12	1.76	0.50
13:d:125:HIS:CE1	14:d:513:CLA:NA	2.79	0.50
13:g:221:GLY:HA3	17:g:524:BCR:H402	1.93	0.50
13:n:341:MET:HE2	13:o:128:ARG:HB2	1.93	0.50
14:aB:1201:CLA:HBC3	14:aB:1226:CLA:H41	1.91	0.50
14:aB:1023:CLA:H3A	14:aB:1023:CLA:CGA	2.41	0.50
13:a3:164:LEU:HD21	14:a3:509:CLA:H61	1.93	0.50
13:a3:304:THR:O	13:a3:304:THR:CG2	2.57	0.50
17:a3:522:BCR:HC42	13:a4:273:TYR:HB2	1.93	0.50
14:a4:501:CLA:C3D	14:a4:503:CLA:H2	2.41	0.50
13:b1:236:HIS:HE1	14:b1:506:CLA:NA	2.08	0.50
13:b2:127:PHE:HB2	13:b3:341:MET:HE2	1.93	0.50
13:b6:50:ALA:O	13:b6:54:VAL:HG23	2.12	0.50
13:b6:236:HIS:HE1	14:b6:506:CLA:NA	2.08	0.50
1:cA:207:LEU:HD22	17:cA:4002:BCR:H361	1.94	0.50
4:cD:11:TYR:OH	4:cD:45:ALA:O	2.24	0.50
13:c1:60:PHE:HA	13:c1:63:TYR:HB3	1.93	0.50
13:c3:111:HIS:HE1	14:c3:503:CLA:NC	2.09	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:c6:49:GLN:HG2	14:c6:509:CLA:HHB	1.93	0.50
13:U:49:GLN:HG2	14:U:509:CLA:HHB	1.94	0.50
13:a:125:HIS:CE1	14:a:513:CLA:NA	2.80	0.50
13:a:160:HIS:NE2	14:a:512:CLA:NA	2.60	0.50
13:a:241:PRO:HA	14:a:506:CLA:HED3	1.94	0.50
13:c:242:LEU:HD12	13:c:244:TRP:HE1	1.76	0.50
13:f:88:LEU:HD11	14:f:503:CLA:HBA1	1.93	0.50
13:g:328:PHE:CE2	17:g:521:BCR:H16C	2.46	0.50
13:k:304:THR:O	13:k:304:THR:CG2	2.57	0.50
13:p:33:ALA:HB2	14:p:508:CLA:HAA2	1.93	0.50
13:p:291:LEU:HD11	13:p:316:ALA:HA	1.94	0.50
2:aB:697:LEU:HD11	10:aL:37:ALA:HB1	1.94	0.50
14:a1:508:CLA:H43	14:a1:511:CLA:HAC1	1.94	0.50
13:a2:192:ILE:HG23	13:a2:216:GLU:HG2	1.94	0.50
13:a3:264:ILE:HG12	14:a3:502:CLA:HAC1	1.93	0.50
14:a4:502:CLA:H12	14:a4:503:CLA:H42	1.94	0.50
13:a6:304:THR:O	13:a6:304:THR:CG2	2.58	0.50
2:cB:65:LEU:HD11	17:cB:4006:BCR:H281	1.93	0.50
2:cB:433:LEU:HD23	17:cF:4015:BCR:HC32	1.93	0.50
13:c3:125:HIS:HA	13:c3:129:ALA:HB3	1.92	0.50
13:T:303:ASP:HB2	13:T:305:ILE:HG22	1.94	0.50
13:a:34:ARG:NH1	14:a:511:CLA:OBD	2.44	0.50
13:b:248:LEU:HD13	17:b:524:BCR:HC32	1.93	0.50
13:k:246:ARG:HA	13:k:251:PHE:HE1	1.77	0.50
13:n:196:THR:HG22	13:n:217:ASP:HA	1.93	0.50
1:aA:445:ASN:HD22	2:aB:681:LEU:HD11	1.76	0.50
1:bA:207:LEU:HD22	17:bA:4002:BCR:H361	1.93	0.50
1:bA:300:HIS:ND1	14:bA:1116:CLA:NB	2.60	0.50
1:bA:445:ASN:HD22	2:bB:681:LEU:HD11	1.76	0.50
14:bA:1126:CLA:H191	17:bJ:4012:BCR:H14C	1.93	0.50
2:bB:436:HIS:HB2	17:bF:4015:BCR:HC42	1.92	0.50
13:b1:205:TYR:OH	13:b1:217:ASP:OD2	2.29	0.50
13:b3:49:GLN:HG2	14:b3:509:CLA:HHB	1.94	0.50
13:c2:163:PHE:CE2	14:c2:512:CLA:HHB	2.46	0.50
13:c3:164:LEU:HD21	14:c3:509:CLA:H61	1.94	0.50
13:X:164:LEU:HD21	14:X:509:CLA:H61	1.93	0.50
13:X:331:GLN:OE1	14:X:518:CLA:ND	2.44	0.50
13:Y:113:ILE:HD12	17:Y:523:BCR:H10C	1.94	0.50
13:d:324:PHE:CD2	17:d:521:BCR:H10C	2.47	0.50
13:e:113:ILE:HD12	17:e:523:BCR:H10C	1.94	0.50
13:m:235:TRP:HE1	14:m:506:CLA:HED3	1.76	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:aA:1110:CLA:HBB2	14:aA:1118:CLA:H72	1.92	0.50
8:aJ:14:LEU:HD23	8:aJ:17:ILE:HD11	1.93	0.50
14:a2:502:CLA:H12	14:a2:503:CLA:H42	1.93	0.50
1:bA:93:HIS:CE1	14:bA:1105:CLA:NA	2.80	0.50
14:bA:1138:CLA:HED3	14:bA:1138:CLA:H2A	1.93	0.50
14:bA:1139:CLA:H142	21:bJ:5104:LMG:H141	1.93	0.50
2:bB:466:PHE:O	2:bB:470:ALA:N	2.42	0.50
13:b6:236:HIS:CE1	14:b6:506:CLA:NA	2.80	0.50
14:cA:1011:CLA:C1A	14:cB:1021:CLA:HAB	2.42	0.50
14:cA:1126:CLA:O1D	14:cA:1127:CLA:HHB	2.12	0.50
2:cB:95:GLN:OE1	14:cB:1207:CLA:NB	2.45	0.50
2:cB:174:ARG:HB3	14:cB:1221:CLA:HMD1	1.94	0.50
2:cB:442:VAL:HG13	14:cB:1012:CLA:H51	1.93	0.50
13:c5:145:PHE:HA	13:c5:152:GLN:HG2	1.93	0.50
14:aA:1022:CLA:HBB1	14:aA:1022:CLA:HMB3	1.94	0.50
14:aB:1228:CLA:HBC3	17:aF:4016:BCR:H362	1.92	0.50
15:bA:2001:PQN:H162	17:bF:4014:BCR:H382	1.94	0.50
2:bB:394:GLY:HA2	17:bB:4010:BCR:H393	1.94	0.50
14:bB:1204:CLA:HHB	14:bB:1205:CLA:HHB	1.94	0.50
14:bB:1238:CLA:H18	17:bI:4018:BCR:H362	1.94	0.50
10:bL:132:SER:HA	10:bL:135:VAL:HG12	1.94	0.50
14:b3:518:CLA:HBC2	20:b3:822:SQD:H282	1.94	0.50
14:b5:501:CLA:HMB2	17:b5:524:BCR:H23C	1.92	0.50
2:cB:203:ARG:NH2	2:cB:253:ALA:O	2.35	0.50
14:cB:1238:CLA:H18	17:cI:4018:BCR:H362	1.94	0.50
15:cB:2002:PQN:H242	17:cB:4017:BCR:H17C	1.93	0.50
6:cF:139:TRP:CD1	6:cF:140:PRO:HD3	2.46	0.50
13:c1:291:LEU:HB3	13:c1:301:PHE:HB3	1.92	0.50
13:T:60:PHE:O	13:T:64:GLU:HG2	2.12	0.50
13:T:145:PHE:HA	13:T:152:GLN:HG2	1.94	0.50
13:a:253:ALA:HB1	14:a:509:CLA:HBC1	1.94	0.50
17:b:522:BCR:H10C	14:c:505:CLA:H161	1.93	0.50
13:d:287:TYR:HB3	13:d:315:ARG:HB2	1.93	0.50
14:n:508:CLA:HBB2	14:n:510:CLA:HMB1	1.93	0.50
1:aA:269:THR:HB	9:aK:11:TRP:HB2	1.94	0.50
14:aA:1011:CLA:C1A	14:aB:1021:CLA:HAB	2.42	0.50
14:aF:1301:CLA:HBC2	8:aJ:19:MET:HE1	1.93	0.50
13:a1:83:PRO:HB3	13:a1:286:PHE:HB3	1.93	0.50
13:a2:303:ASP:HB3	13:a2:305:ILE:HG22	1.94	0.50
2:bB:426:LEU:HD13	2:bB:539:LEU:HA	1.93	0.50
13:b1:60:PHE:O	13:b1:64:GLU:HG2	2.12	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:b6:69:LYS:O	13:b6:77:GLN:NE2	2.40	0.50
10:cL:64:VAL:HG11	10:cL:140:LEU:HD13	1.94	0.50
13:c2:236:HIS:CE1	14:c2:506:CLA:NA	2.79	0.50
13:c4:329:PHE:HA	14:c4:508:CLA:HMC2	1.94	0.50
14:c4:508:CLA:H101	17:c4:521:BCR:H21C	1.92	0.50
13:c5:289:PRO:HG3	13:c5:305:ILE:HB	1.94	0.50
13:T:164:LEU:HD21	14:T:509:CLA:H61	1.94	0.50
13:U:323:PHE:HE1	17:e:522:BCR:HC7	1.77	0.50
13:V:312:HIS:HB2	13:V:317:TRP:NE1	2.27	0.50
13:Z:65:ILE:HG23	13:Z:101:LEU:HD13	1.94	0.50
13:f:49:GLN:OE1	14:f:510:CLA:NC	2.45	0.50
13:l:278:ASN:ND2	13:l:280:LEU:H	2.10	0.50
13:n:250:MET:SD	13:o:128:ARG:NH2	2.85	0.50
13:o:64:GLU:O	13:o:68:TYR:CB	2.60	0.50
14:p:502:CLA:HED2	14:p:502:CLA:H2A	1.92	0.50
2:aB:76:GLN:OE1	2:aB:76:GLN:N	2.44	0.49
1:bA:300:HIS:HE2	14:bA:1117:CLA:C2B	2.24	0.49
1:bA:685:PHE:HZ	14:bA:1140:CLA:HBC2	1.77	0.49
14:bB:1239:CLA:HBC2	15:bB:2002:PQN:H172	1.94	0.49
13:b1:304:THR:O	13:b1:304:THR:CG2	2.56	0.49
13:b3:150:PRO:HG3	13:b3:246:ARG:HE	1.77	0.49
13:b4:322:HIS:CD2	14:b4:502:CLA:ND	2.80	0.49
1:cA:218:HIS:NE2	14:cA:1113:CLA:NA	2.60	0.49
1:cA:411:HIS:HE1	14:cA:1128:CLA:C4A	2.24	0.49
2:cB:61:VAL:HG21	14:cB:1225:CLA:H42	1.92	0.49
2:cB:145:LEU:HD11	14:cB:1211:CLA:H161	1.94	0.49
13:c1:139:ARG:NH1	14:c1:516:CLA:OBD	2.45	0.49
13:c2:69:LYS:O	13:c2:77:GLN:NE2	2.40	0.49
13:c5:161:LEU:HD21	14:c5:506:CLA:HAB	1.94	0.49
13:f:322:HIS:NE2	14:f:502:CLA:ND	2.60	0.49
13:f:348:LEU:HA	13:f:351:PHE:CE1	2.47	0.49
2:aB:158:GLN:O	2:aB:162:ARG:HG3	2.12	0.49
14:a2:505:CLA:HBC2	17:a2:524:BCR:H341	1.94	0.49
13:a3:174:LYS:NZ	13:a3:180:GLY:O	2.45	0.49
14:a5:508:CLA:H52	14:a5:510:CLA:H2	1.93	0.49
1:bA:549:THR:HG21	14:bA:1124:CLA:HAC2	1.93	0.49
1:cA:212:TRP:NE1	1:cA:216:GLN:OE1	2.45	0.49
1:cA:461:HIS:CE1	14:cA:1132:CLA:NA	2.80	0.49
13:c1:150:PRO:HB2	13:c1:241:PRO:HD2	1.94	0.49
13:U:150:PRO:HB2	13:U:241:PRO:HD2	1.94	0.49
13:l:174:LYS:HA	13:l:178:TRP:HB2	1.93	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:l:206:GLN:HE22	14:l:517:CLA:CGA	2.25	0.49
13:m:289:PRO:HD2	13:m:313:THR:HG21	1.93	0.49
13:q:344:ASN:OD1	13:q:345:PHE:N	2.43	0.49
13:a4:328:PHE:HE1	14:a4:518:CLA:HAB	1.76	0.49
4:bD:29:ALA:HB1	4:bD:56:LEU:HD11	1.94	0.49
14:b1:508:CLA:H2	14:b1:510:CLA:C2	2.43	0.49
13:b2:264:ILE:HG12	14:b2:502:CLA:HAC1	1.94	0.49
14:cA:1105:CLA:OBD	19:cA:1848:LMU:O2'	2.30	0.49
14:cA:1237:CLA:H151	10:cL:86:LEU:HD11	1.95	0.49
2:cB:309:ASP:N	2:cB:309:ASP:OD1	2.43	0.49
8:cJ:31:ARG:HE	17:cJ:4013:BCR:H312	1.77	0.49
14:c4:508:CLA:H143	17:c4:521:BCR:H17C	1.94	0.49
13:c5:60:PHE:O	13:c5:64:GLU:HG2	2.12	0.49
14:c5:509:CLA:HBD	14:c5:509:CLA:H121	1.94	0.49
13:c6:88:LEU:O	13:c6:174:LYS:NZ	2.44	0.49
13:a:291:LEU:HB3	13:a:301:PHE:HB3	1.94	0.49
13:f:196:THR:HG22	13:f:217:ASP:HA	1.93	0.49
13:h:217:ASP:OD1	13:h:217:ASP:N	2.45	0.49
14:k:505:CLA:HBA1	13:l:124:PHE:HB2	1.93	0.49
1:aA:461:HIS:CE1	14:aA:1132:CLA:NA	2.80	0.49
14:aA:1119:CLA:H143	14:aA:1122:CLA:H91	1.94	0.49
3:aC:2:ALA:N	3:aC:71:ALA:O	2.44	0.49
13:a2:125:HIS:HE1	14:a2:513:CLA:NA	2.10	0.49
1:bA:564:ARG:NH2	4:bD:15:THR:O	2.46	0.49
2:bB:309:ASP:OD1	2:bB:309:ASP:N	2.44	0.49
2:bB:417:GLN:O	6:bF:164:ARG:NH2	2.46	0.49
14:b3:502:CLA:H61	14:b3:512:CLA:H42	1.92	0.49
13:b6:125:HIS:HA	13:b6:129:ALA:HB3	1.94	0.49
2:cB:417:GLN:O	6:cF:164:ARG:NH2	2.46	0.49
14:c2:510:CLA:H92	17:c2:521:BCR:H17C	1.94	0.49
13:S:36:VAL:HG22	14:S:509:CLA:HMC1	1.93	0.49
13:U:45:ALA:HB1	14:U:509:CLA:HBB1	1.93	0.49
13:U:49:GLN:HB2	14:U:509:CLA:HMB2	1.95	0.49
13:V:49:GLN:HG2	14:V:509:CLA:HHB	1.95	0.49
13:b:181:LEU:HD22	14:b:501:CLA:HED1	1.94	0.49
14:b:510:CLA:HED2	14:b:510:CLA:H51	1.94	0.49
13:c:50:ALA:O	13:c:54:VAL:HG23	2.12	0.49
13:d:45:ALA:HB2	14:d:511:CLA:HMA1	1.94	0.49
13:h:320:ASN:HB3	17:h:521:BCR:HC8	1.93	0.49
13:i:161:LEU:HD23	13:i:164:LEU:HD12	1.94	0.49
13:j:343:PHE:HE2	13:j:348:LEU:HD22	1.77	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:l:505:CLA:HAA2	13:m:124:PHE:HB2	1.94	0.49
1:aA:325:LEU:HD13	14:aA:1123:CLA:HAC2	1.94	0.49
4:aD:9:PRO:HD2	10:aL:14:PHE:HZ	1.78	0.49
8:aJ:6:THR:HG1	21:aJ:5104:LMG:HO5	1.60	0.49
13:a4:248:LEU:HD13	17:a4:524:BCR:HC32	1.95	0.49
1:bA:520:VAL:HG23	1:bA:525:ALA:HB2	1.94	0.49
13:b3:60:PHE:O	13:b3:64:GLU:HG2	2.12	0.49
13:b6:79:LEU:HD13	13:b6:82:LEU:HD12	1.93	0.49
1:cA:99:ASN:HB2	1:cA:102:ALA:HB3	1.93	0.49
2:cB:299:HIS:HE1	14:cB:1218:CLA:NA	2.10	0.49
2:cB:320:ASN:ND2	18:cX:4021:LHG:O4	2.45	0.49
13:T:236:HIS:CE1	14:T:506:CLA:ND	2.77	0.49
13:U:65:ILE:HG23	13:U:101:LEU:HD13	1.94	0.49
13:a:329:PHE:HA	14:a:508:CLA:HMC1	1.93	0.49
13:f:213:ASN:HA	13:f:280:LEU:HD22	1.93	0.49
13:h:32:ASN:OD1	14:h:511:CLA:NC	2.45	0.49
13:l:331:GLN:OE1	14:l:518:CLA:ND	2.45	0.49
13:m:125:HIS:NE2	14:m:513:CLA:NB	2.60	0.49
13:p:49:GLN:HG2	14:p:509:CLA:HHB	1.95	0.49
1:aA:300:HIS:CE1	14:aA:1116:CLA:NC	2.81	0.49
2:aB:182:LEU:HD13	14:aB:1210:CLA:HHB	1.95	0.49
2:aB:433:LEU:HD23	17:aF:4015:BCR:HC32	1.95	0.49
6:aF:139:TRP:CD1	6:aF:140:PRO:HD3	2.47	0.49
14:a3:503:CLA:H151	14:a3:510:CLA:HBB2	1.95	0.49
14:bB:1211:CLA:H3A	17:bB:4006:BCR:H272	1.95	0.49
13:b6:46:HIS:HD2	14:b6:509:CLA:H141	1.78	0.49
2:cB:699:ARG:HH12	10:cL:113:LYS:HE2	1.77	0.49
13:c3:282:TYR:O	13:c3:315:ARG:NH2	2.37	0.49
13:c4:344:ASN:HD21	13:c4:346:LYS:HD2	1.76	0.49
13:V:163:PHE:CE2	14:V:512:CLA:HHB	2.48	0.49
13:d:60:PHE:O	13:d:64:GLU:HG2	2.12	0.49
13:d:158:GLY:HA3	13:d:237:ILE:HG13	1.95	0.49
13:l:46:HIS:HE1	14:l:509:CLA:NC	2.11	0.49
13:o:41:LEU:HB3	14:o:511:CLA:HMA1	1.95	0.49
1:aA:469:GLY:HA3	2:aB:99:ALA:HB3	1.95	0.49
1:aA:575:ARG:HD2	18:aA:5001:LHG:HC61	1.94	0.49
2:aB:473:LYS:NZ	2:aB:516:PHE:O	2.36	0.49
5:aE:45:ASN:ND2	5:aE:47:THR:OG1	2.45	0.49
13:a3:278:ASN:O	13:a3:315:ARG:NH1	2.45	0.49
13:a4:243:THR:HA	13:a4:246:ARG:HH11	1.78	0.49
14:a4:501:CLA:C2D	14:a4:503:CLA:H2	2.43	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:a6:125:HIS:HA	13:a6:129:ALA:HB3	1.95	0.49
14:a6:512:CLA:O2D	14:a6:513:CLA:HBB2	2.13	0.49
1:bA:325:LEU:HD13	14:bA:1123:CLA:HAC2	1.93	0.49
13:b2:60:PHE:O	13:b2:64:GLU:HG2	2.12	0.49
13:b4:50:ALA:O	13:b4:54:VAL:HG23	2.13	0.49
13:b5:50:ALA:O	13:b5:54:VAL:HG23	2.12	0.49
2:cB:147:SER:HB2	11:cM:21:LEU:HD12	1.93	0.49
14:cB:1223:CLA:H13	17:cB:4010:BCR:H351	1.93	0.49
15:cB:2002:PQN:H161	17:cB:4017:BCR:H382	1.94	0.49
13:c2:248:LEU:HD13	17:c2:524:BCR:HC32	1.93	0.49
13:c4:60:PHE:O	13:c4:64:GLU:HG2	2.13	0.49
13:S:60:PHE:O	13:S:64:GLU:HG2	2.12	0.49
13:T:221:GLY:C	17:T:524:BCR:H383	2.38	0.49
13:b:243:THR:HA	13:b:246:ARG:HH11	1.77	0.49
13:i:72:LEU:HB2	13:i:77:GLN:HE21	1.78	0.49
13:l:207:THR:O	13:m:102:TYR:OH	2.24	0.49
14:aA:1124:CLA:HAA2	14:aA:1125:CLA:OBD	2.13	0.49
14:aB:1207:CLA:HHC	14:aB:1207:CLA:HBB1	1.94	0.49
14:bA:1138:CLA:H2	14:bB:1229:CLA:H42	1.94	0.49
13:b2:266:LEU:HD13	14:b2:505:CLA:H122	1.95	0.49
1:cA:12:VAL:HB	14:cA:1110:CLA:HED3	1.94	0.49
14:cA:1131:CLA:HMA3	17:cI:4018:BCR:H292	1.95	0.49
14:cB:1216:CLA:HMB2	14:cB:1221:CLA:H71	1.93	0.49
14:W:513:CLA:HMC2	17:W:523:BCR:H372	1.94	0.49
13:X:128:ARG:NH2	13:Y:250:MET:SD	2.85	0.49
13:Y:221:GLY:HA3	17:Y:524:BCR:H402	1.93	0.49
13:Z:49:GLN:OE1	14:Z:510:CLA:NC	2.46	0.49
14:a:519:CLA:HED2	14:a:519:CLA:H2A	1.95	0.49
13:c:339:ARG:NH1	20:c:822:SQD:O8	2.45	0.49
13:d:106:VAL:HG13	17:d:523:BCR:H312	1.95	0.49
13:e:236:HIS:HE1	14:e:506:CLA:C4A	2.25	0.49
13:g:264:ILE:HG12	14:g:502:CLA:HAC1	1.95	0.49
13:j:79:LEU:HD23	13:j:82:LEU:HD12	1.95	0.49
1:aA:561:ARG:NH2	4:aD:41:GLU:OE1	2.40	0.49
2:aB:348:ILE:HD13	14:aB:1221:CLA:H43	1.94	0.49
2:aB:722:VAL:HG22	21:aB:5002:LMG:H432	1.94	0.49
4:aD:61:ARG:HB2	4:aD:64:GLN:HG3	1.95	0.49
13:a6:60:PHE:O	13:a6:64:GLU:HG2	2.12	0.49
1:bA:219:VAL:HG13	1:bA:239:PRO:HB3	1.95	0.49
14:bA:1011:CLA:NA	14:bB:1021:CLA:HAB	2.27	0.49
2:bB:18:THR:HG21	14:bB:1238:CLA:HBB1	1.93	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:bD:9:PRO:HD2	10:bL:14:PHE:HZ	1.78	0.49
13:b1:83:PRO:HB3	13:b1:286:PHE:HB3	1.95	0.49
13:b2:72:LEU:HB2	13:b2:77:GLN:HE21	1.76	0.49
13:c2:60:PHE:O	13:c2:64:GLU:HG2	2.13	0.49
13:c6:57:ALA:O	13:c6:61:THR:OG1	2.26	0.49
13:S:38:LEU:HD22	13:S:132:ASP:HB2	1.94	0.49
13:T:43:ILE:HD11	14:T:512:CLA:HBC3	1.95	0.49
13:Z:276:ALA:HA	13:Z:291:LEU:HD12	1.95	0.49
13:j:236:HIS:HE1	14:j:506:CLA:C1A	2.24	0.49
13:n:43:ILE:HD11	14:n:512:CLA:HBC3	1.94	0.49
13:n:236:HIS:HE1	14:n:506:CLA:C4D	2.25	0.49
13:p:160:HIS:NE2	14:p:512:CLA:NA	2.60	0.49
1:aA:696:TYR:OH	14:aA:1013:CLA:OBD	2.30	0.49
17:aA:4007:BCR:H403	18:aA:5002:LHG:H302	1.95	0.49
13:a1:32:ASN:OD1	14:a1:511:CLA:NC	2.46	0.49
13:a2:322:HIS:NE2	14:a2:502:CLA:NA	2.60	0.49
13:a5:241:PRO:HA	14:a5:506:CLA:HED3	1.94	0.49
13:b2:282:TYR:O	13:b2:315:ARG:NH2	2.43	0.49
14:b2:510:CLA:HBB1	14:b2:510:CLA:HMB3	1.95	0.49
13:b4:322:HIS:NE2	14:b4:502:CLA:NA	2.61	0.49
14:cB:1229:CLA:HHC	14:cB:1229:CLA:HBB1	1.94	0.49
14:cB:1230:CLA:HBD	14:cB:1230:CLA:HBA1	1.94	0.49
4:cD:9:PRO:HD2	10:cL:14:PHE:HZ	1.78	0.49
13:T:187:GLN:NE2	13:T:285:GLU:OE2	2.45	0.49
13:Z:72:LEU:O	13:Z:77:GLN:NE2	2.44	0.49
13:f:69:LYS:O	13:f:77:GLN:NE2	2.45	0.49
13:i:304:THR:O	13:i:304:THR:CG2	2.57	0.49
14:k:501:CLA:HMB1	17:k:524:BCR:H23C	1.94	0.49
1:aA:93:HIS:CE1	14:aA:1105:CLA:NA	2.81	0.48
1:aA:451:LEU:HB3	1:aA:544:PHE:HB2	1.95	0.48
1:aA:456:PHE:CE1	14:aA:1022:CLA:HBB	2.47	0.48
14:aA:1122:CLA:H2	14:aA:1133:CLA:H172	1.94	0.48
2:aB:309:ASP:N	2:aB:309:ASP:OD1	2.42	0.48
2:aB:648:ASN:N	2:aB:648:ASN:OD1	2.46	0.48
13:a1:69:LYS:O	13:a1:77:GLN:NE2	2.37	0.48
14:bA:1022:CLA:HMB3	14:bA:1022:CLA:HBB1	1.95	0.48
13:b4:242:LEU:HD12	13:b4:244:TRP:HE1	1.77	0.48
13:b6:297:ILE:O	14:b6:519:CLA:NC	2.45	0.48
13:b6:316:ALA:O	13:b6:320:ASN:ND2	2.37	0.48
1:cA:451:LEU:HB3	1:cA:544:PHE:HB2	1.93	0.48
14:cA:1022:CLA:HBB1	14:cA:1022:CLA:HMB3	1.95	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:cB:70:TRP:NE1	7:cI:6:ALA:O	2.41	0.48
2:cB:289:HIS:CD2	14:cB:1217:CLA:ND	2.81	0.48
13:c3:163:PHE:CE1	14:c3:512:CLA:HHB	2.48	0.48
13:S:171:LEU:HD22	14:S:501:CLA:C1D	2.43	0.48
13:T:175:ALA:HB1	13:T:192:ILE:HD13	1.94	0.48
13:U:250:MET:SD	13:e:128:ARG:NH2	2.86	0.48
13:V:125:HIS:NE2	14:V:513:CLA:NB	2.61	0.48
13:W:322:HIS:NE2	14:W:502:CLA:ND	2.61	0.48
13:Y:163:PHE:CE2	14:Y:512:CLA:HHB	2.47	0.48
13:d:242:LEU:HD12	13:d:244:TRP:HE1	1.78	0.48
14:e:517:CLA:H3A	14:e:517:CLA:HBA1	1.46	0.48
13:h:47:VAL:HG22	14:h:512:CLA:HED1	1.94	0.48
13:i:72:LEU:O	13:i:77:GLN:NE2	2.46	0.48
13:o:161:LEU:HD21	14:o:506:CLA:HAB	1.94	0.48
14:p:509:CLA:H91	14:p:512:CLA:HAA2	1.94	0.48
13:a6:145:PHE:HA	13:a6:152:GLN:HG2	1.94	0.48
1:bA:461:HIS:CE1	14:bA:1132:CLA:NA	2.81	0.48
2:bB:158:GLN:O	2:bB:162:ARG:HG3	2.12	0.48
2:bB:180:ALA:HB2	2:bB:288:GLY:HA3	1.95	0.48
10:bL:55:HIS:HA	10:bL:58:PHE:CE1	2.49	0.48
2:cB:118:SER:HA	14:cB:1224:CLA:HMA2	1.95	0.48
14:cB:1220:CLA:CAD	14:cB:1221:CLA:HAB	2.43	0.48
13:c3:60:PHE:O	13:c3:64:GLU:HG2	2.13	0.48
13:c4:14:ALA:HB1	13:c4:147:TRP:HB2	1.94	0.48
13:S:331:GLN:OE1	14:S:518:CLA:ND	2.46	0.48
13:W:43:ILE:HD11	14:W:512:CLA:HBC3	1.95	0.48
13:e:323:PHE:HE1	17:f:522:BCR:HC7	1.78	0.48
13:g:336:HIS:HE1	14:g:508:CLA:NA	2.11	0.48
13:i:47:VAL:HG22	14:i:512:CLA:HED1	1.94	0.48
13:q:60:PHE:O	13:q:64:GLU:HG2	2.13	0.48
13:a1:60:PHE:HA	13:a1:63:TYR:HB3	1.93	0.48
13:a1:215:LEU:HD12	13:a1:280:LEU:HD11	1.96	0.48
13:a1:243:THR:HG21	13:S:354:PRO:HG2	1.95	0.48
14:a3:501:CLA:HMB2	17:a3:524:BCR:H23C	1.95	0.48
13:a6:174:LYS:HA	13:a6:178:TRP:HB2	1.95	0.48
13:b3:125:HIS:HE1	14:b3:513:CLA:NA	2.11	0.48
14:b4:518:CLA:H3A	14:b4:518:CLA:C2	2.43	0.48
13:b6:150:PRO:HB2	13:b6:241:PRO:HD2	1.95	0.48
4:cD:27:LYS:HB2	4:cD:86:ILE:HB	1.94	0.48
13:c1:32:ASN:OD1	14:c1:511:CLA:NC	2.46	0.48
13:U:304:THR:O	13:U:304:THR:CG2	2.61	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:V:54:VAL:HG13	13:V:111:HIS:HD2	1.77	0.48
13:W:125:HIS:HA	13:W:129:ALA:HB3	1.95	0.48
13:a:210:ALA:HB1	13:a:277:VAL:HG11	1.94	0.48
13:i:160:HIS:NE2	14:i:512:CLA:NA	2.61	0.48
13:k:303:ASP:OD1	13:k:313:THR:OG1	2.26	0.48
13:n:17:GLN:O	13:n:339:ARG:NH2	2.46	0.48
13:o:205:TYR:OH	13:o:217:ASP:OD2	2.30	0.48
2:aB:432:PHE:CE2	14:aB:1235:CLA:HAB	2.49	0.48
14:aB:1201:CLA:H111	17:aM:4021:BCR:H12C	1.96	0.48
6:bF:50:ASP:HB3	6:bF:53:SER:HB3	1.96	0.48
13:b4:60:PHE:O	13:b4:64:GLU:HG2	2.13	0.48
13:b5:106:VAL:HG13	17:b5:523:BCR:H313	1.96	0.48
13:b5:322:HIS:CD2	14:b5:502:CLA:ND	2.81	0.48
14:cA:1138:CLA:H2	14:cB:1229:CLA:H42	1.95	0.48
14:cB:1203:CLA:H61	14:cB:1203:CLA:H41	1.49	0.48
4:cD:83:ILE:HB	4:cD:96:HIS:HB3	1.95	0.48
13:c1:83:PRO:HB3	13:c1:286:PHE:HB3	1.94	0.48
13:c5:196:THR:HG22	13:c5:217:ASP:HA	1.96	0.48
13:Z:43:ILE:HD11	14:Z:512:CLA:HBC3	1.95	0.48
13:Z:246:ARG:HA	13:Z:251:PHE:HE2	1.78	0.48
14:Z:512:CLA:H3A	14:Z:512:CLA:HBA1	1.55	0.48
13:d:65:ILE:HG23	13:d:101:LEU:HD13	1.96	0.48
13:e:291:LEU:HD11	13:e:316:ALA:HA	1.94	0.48
13:j:68:TYR:CZ	13:j:70:PRO:HA	2.48	0.48
13:k:221:GLY:HA3	17:k:524:BCR:H402	1.95	0.48
13:p:47:VAL:HG22	14:p:512:CLA:HED1	1.95	0.48
13:q:54:VAL:HB	13:q:115:SER:HB3	1.94	0.48
1:aA:126:LEU:HD11	14:aA:1107:CLA:HBC3	1.94	0.48
17:a1:524:BCR:H351	17:a1:524:BCR:H15C	1.73	0.48
2:bB:86:PRO:HB3	2:bB:121:TYR:CG	2.49	0.48
14:bB:1231:CLA:H62	14:bB:1232:CLA:HMB1	1.96	0.48
6:bF:69:ASP:N	6:bF:69:ASP:OD1	2.47	0.48
10:bL:62:PRO:HB3	14:bL:1503:CLA:HBB1	1.96	0.48
13:b1:13:SER:OG	13:b1:14:ALA:N	2.46	0.48
13:b3:45:ALA:HA	14:b3:511:CLA:HMB3	1.96	0.48
13:b4:215:LEU:HD12	13:b4:280:LEU:HD11	1.95	0.48
14:b6:503:CLA:H41	14:b6:503:CLA:H102	1.96	0.48
1:cA:359:ASN:ND2	14:cA:1103:CLA:OBD	2.36	0.48
13:c1:214:SER:OG	13:c1:217:ASP:OD2	2.25	0.48
13:c6:242:LEU:HD12	13:c6:244:TRP:HE1	1.78	0.48
14:V:508:CLA:H52	14:V:510:CLA:H2	1.95	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:b:158:GLY:HA2	13:b:233:GLY:HA2	1.95	0.48
13:c:174:LYS:NZ	13:c:180:GLY:O	2.46	0.48
14:k:512:CLA:H3A	14:k:512:CLA:HBA1	1.49	0.48
1:aA:300:HIS:HE2	14:aA:1117:CLA:C2B	2.26	0.48
14:aA:1120:CLA:HBA2	9:aK:33:ALA:HB1	1.96	0.48
13:a4:221:GLY:HA3	17:a4:524:BCR:H402	1.96	0.48
13:a5:49:GLN:OE1	14:a5:510:CLA:NC	2.47	0.48
2:bB:702:ASP:OD1	2:bB:702:ASP:N	2.46	0.48
14:bB:1223:CLA:HMA2	17:bB:4010:BCR:HC41	1.95	0.48
17:bI:4020:BCR:H402	14:bL:1502:CLA:H52	1.95	0.48
13:b3:197:LEU:O	13:b3:224:TYR:OH	2.32	0.48
13:b5:174:LYS:HA	13:b5:178:TRP:HB2	1.95	0.48
14:b5:503:CLA:H152	14:b5:510:CLA:HBB2	1.96	0.48
13:b6:49:GLN:OE1	14:b6:510:CLA:NC	2.46	0.48
1:cA:387:TYR:HB3	1:cA:751:ILE:HD11	1.94	0.48
13:c3:65:ILE:HG23	13:c3:101:LEU:HD13	1.96	0.48
13:c4:193:THR:OG1	13:f:309:LEU:O	2.32	0.48
14:c5:501:CLA:HMB1	17:c5:524:BCR:H23C	1.94	0.48
13:X:229:LEU:HD21	14:X:507:CLA:H71	1.96	0.48
13:b:221:GLY:HA3	17:b:524:BCR:H402	1.94	0.48
13:e:60:PHE:O	13:e:64:GLU:HG2	2.14	0.48
13:e:83:PRO:HB3	13:e:286:PHE:HB3	1.96	0.48
13:q:171:LEU:HD22	14:q:501:CLA:C1D	2.44	0.48
13:q:303:ASP:HB3	13:q:305:ILE:HG22	1.96	0.48
10:aL:132:SER:HA	10:aL:135:VAL:HG12	1.95	0.48
13:a2:322:HIS:CD2	14:a2:502:CLA:ND	2.81	0.48
13:a4:264:ILE:HG12	14:a4:502:CLA:HAC1	1.96	0.48
1:bA:215:HIS:CE1	14:bA:1112:CLA:NA	2.82	0.48
14:bA:1129:CLA:HAB	14:bA:1137:CLA:HBB2	1.95	0.48
17:bA:4007:BCR:H15C	17:bA:4007:BCR:H351	1.72	0.48
14:bB:1227:CLA:H2	18:bX:4021:LHG:HC92	1.96	0.48
13:b2:50:ALA:O	13:b2:54:VAL:HG23	2.13	0.48
1:cA:114:ALA:HB3	1:cA:139:ILE:HG21	1.96	0.48
1:cA:380:TYR:OH	14:cA:1127:CLA:OBD	2.26	0.48
13:c2:181:LEU:HD13	14:c2:501:CLA:HED1	1.94	0.48
14:c4:508:CLA:H2	14:c4:510:CLA:H12	1.96	0.48
13:c5:174:LYS:NZ	13:c5:180:GLY:O	2.47	0.48
14:c5:503:CLA:H62	14:c5:503:CLA:H101	1.53	0.48
13:c6:125:HIS:HE1	14:c6:513:CLA:NA	2.10	0.48
14:c6:506:CLA:H3A	14:c6:506:CLA:HBA1	1.70	0.48
13:T:36:VAL:HG22	14:T:509:CLA:HMC1	1.96	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:U:174:LYS:HA	13:U:178:TRP:HB2	1.96	0.48
13:U:289:PRO:HG2	13:U:305:ILE:HG12	1.96	0.48
13:W:125:HIS:CE1	14:W:513:CLA:NA	2.82	0.48
17:W:523:BCR:H15C	17:W:523:BCR:H351	1.64	0.48
13:X:106:VAL:HG22	17:X:523:BCR:HC22	1.96	0.48
13:Z:106:VAL:HG22	17:Z:523:BCR:HC22	1.95	0.48
13:Z:264:ILE:HG12	14:Z:502:CLA:HAC1	1.96	0.48
14:Z:502:CLA:HBD	14:Z:503:CLA:H43	1.96	0.48
13:g:14:ALA:HB1	13:g:147:TRP:HB2	1.96	0.48
13:g:90:PHE:HB3	13:g:103:PRO:HB2	1.96	0.48
13:g:236:HIS:HE1	14:g:506:CLA:C1A	2.26	0.48
13:h:242:LEU:HD12	13:h:244:TRP:HE1	1.78	0.48
13:j:336:HIS:CE1	14:j:508:CLA:NA	2.81	0.48
13:l:53:SER:HA	14:l:510:CLA:HMC2	1.94	0.48
13:m:236:HIS:HE1	14:m:506:CLA:NA	2.11	0.48
13:n:47:VAL:HG22	14:n:512:CLA:HED1	1.95	0.48
2:aB:225:PHE:HE1	14:aB:1213:CLA:HBB1	1.79	0.48
2:aB:702:ASP:OD1	2:aB:702:ASP:N	2.47	0.48
14:a6:502:CLA:HBD	14:a6:503:CLA:H43	1.95	0.48
1:bA:411:HIS:HE1	14:bA:1128:CLA:C4A	2.26	0.48
15:bA:2001:PQN:H193	17:bF:4014:BCR:H23C	1.96	0.48
14:bB:1236:CLA:HBC2	14:bX:1401:CLA:HBC3	1.96	0.48
17:bJ:4013:BCR:H15C	17:bJ:4013:BCR:H351	1.72	0.48
13:b2:114:SER:HB3	17:b2:523:BCR:H14C	1.94	0.48
2:cB:195:ILE:HD11	2:cB:255:LEU:HD21	1.95	0.48
14:cB:1228:CLA:HAC1	14:cB:1236:CLA:HBC3	1.95	0.48
3:cC:55:GLU:HB3	3:cC:63:LEU:HD13	1.96	0.48
13:c2:125:HIS:HE1	14:c2:513:CLA:NA	2.12	0.48
13:c4:163:PHE:CE2	14:c4:512:CLA:HBB	2.49	0.48
13:S:308:PRO:HB2	13:S:309:LEU:HD12	1.94	0.48
13:T:36:VAL:HG13	14:T:509:CLA:HAC2	1.95	0.48
13:V:304:THR:O	13:V:304:THR:CG2	2.61	0.48
13:W:163:PHE:CE2	14:W:512:CLA:HBB	2.48	0.48
13:a:346:LYS:O	13:a:350:THR:OG1	2.27	0.48
13:b:128:ARG:HB2	13:c:341:MET:HE3	1.95	0.48
13:f:88:LEU:O	13:f:174:LYS:NZ	2.45	0.48
13:f:125:HIS:CE1	14:f:513:CLA:NA	2.82	0.48
13:k:308:PRO:HB2	13:k:309:LEU:HD12	1.95	0.48
13:p:291:LEU:HD21	13:p:316:ALA:HB2	1.94	0.48
13:q:246:ARG:HA	13:q:251:PHE:HE1	1.78	0.48
1:aA:448:CYS:HB3	1:aA:548:VAL:HG22	1.95	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
15:aA:2001:PQN:H212	15:aA:2001:PQN:H243	1.67	0.48
2:aB:117:TYR:HA	2:aB:371:THR:HG22	1.96	0.48
2:aB:118:SER:HA	14:aB:1224:CLA:HMA2	1.95	0.48
2:aB:316:GLU:HB3	2:aB:322:PRO:HG3	1.96	0.48
13:a1:164:LEU:HD21	14:a1:509:CLA:H61	1.94	0.48
13:a3:13:SER:OG	13:a3:14:ALA:N	2.46	0.48
13:a3:316:ALA:O	13:a3:320:ASN:ND2	2.35	0.48
14:bA:1011:CLA:C1A	14:bB:1021:CLA:HAB	2.44	0.48
13:b2:303:ASP:HB3	13:b2:305:ILE:HG22	1.95	0.48
14:b4:510:CLA:H61	14:b4:510:CLA:H41	1.53	0.48
1:cA:202:ALA:HB1	14:cA:1118:CLA:HBC3	1.94	0.48
14:cB:1222:CLA:H71	14:cB:1234:CLA:H52	1.95	0.48
13:c2:242:LEU:HD12	13:c2:244:TRP:HE1	1.77	0.48
13:c5:49:GLN:HG2	14:c5:509:CLA:HMA3	1.95	0.48
13:a:221:GLY:HA3	17:a:524:BCR:H402	1.95	0.48
13:m:46:HIS:HE1	14:m:509:CLA:NC	2.12	0.48
13:q:174:LYS:HA	13:q:178:TRP:HB2	1.96	0.48
1:aA:379:PRO:HD2	1:aA:383:LEU:HD22	1.96	0.48
15:aA:2001:PQN:H142	15:aA:2001:PQN:H112	1.73	0.48
15:aB:2002:PQN:H161	17:aB:4017:BCR:H382	1.96	0.48
10:aL:55:HIS:HA	10:aL:58:PHE:CE1	2.49	0.48
13:a3:88:LEU:HD13	14:a3:502:CLA:H142	1.96	0.48
6:bF:139:TRP:CG	6:bF:140:PRO:HD3	2.49	0.48
14:b4:517:CLA:H3A	14:b4:517:CLA:HBA1	1.64	0.48
14:b5:501:CLA:H151	14:b5:507:CLA:H61	1.95	0.48
1:cA:228:ASP:HB3	1:cA:288:VAL:HG21	1.96	0.48
2:cB:308:LYS:NZ	2:cB:316:GLU:O	2.47	0.48
14:cB:1228:CLA:HBC3	17:cF:4016:BCR:H362	1.96	0.48
13:c1:329:PHE:HA	14:c1:508:CLA:HMC2	1.96	0.48
13:c2:127:PHE:HB2	13:c3:341:MET:HE2	1.96	0.48
13:c5:160:HIS:NE2	14:c5:512:CLA:NA	2.62	0.48
17:c5:524:BCR:H15C	17:c5:524:BCR:H351	1.69	0.48
14:c6:512:CLA:H3A	14:c6:512:CLA:HBA1	1.65	0.48
13:T:13:SER:OG	13:T:14:ALA:N	2.47	0.48
17:U:524:BCR:H11C	17:U:524:BCR:H341	1.71	0.48
13:X:291:LEU:HG	13:X:315:ARG:HD2	1.95	0.48
13:Y:125:HIS:NE2	14:Y:513:CLA:NB	2.62	0.48
13:d:336:HIS:CE1	14:d:508:CLA:NA	2.82	0.48
14:e:505:CLA:H12	17:e:524:BCR:H311	1.96	0.48
13:j:303:ASP:HB3	13:j:305:ILE:HG22	1.95	0.48
17:l:522:BCR:H351	17:l:522:BCR:H15C	1.67	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:n:94:GLU:HA	13:n:188:THR:HG23	1.94	0.48
1:aA:219:VAL:HG13	1:aA:239:PRO:HB3	1.96	0.47
14:aB:1223:CLA:H13	17:aB:4010:BCR:H15C	1.95	0.47
3:aC:81:TYR:HB3	4:aD:19:LEU:HD12	1.96	0.47
13:a3:153:LEU:HD22	14:a3:509:CLA:H201	1.96	0.47
1:bA:126:LEU:HD11	14:bA:1107:CLA:HBC3	1.95	0.47
13:b5:47:VAL:HG22	14:b5:512:CLA:HED1	1.95	0.47
1:cA:575:ARG:HD2	18:cA:5001:LHG:HC61	1.94	0.47
2:cB:394:GLY:HA2	17:cB:4010:BCR:H393	1.95	0.47
14:cB:1236:CLA:HBC2	14:cX:1401:CLA:HBC3	1.95	0.47
13:c1:163:PHE:CE2	14:c1:512:CLA:HHB	2.49	0.47
13:c2:32:ASN:OD1	14:c2:511:CLA:NC	2.47	0.47
17:c3:524:BCR:H11C	17:c3:524:BCR:H341	1.75	0.47
13:c5:304:THR:O	13:c5:304:THR:HG22	2.13	0.47
13:c6:282:TYR:OH	14:c6:501:CLA:O1A	2.31	0.47
17:c6:522:BCR:H15C	17:c6:522:BCR:H351	1.73	0.47
13:Z:320:ASN:HB3	17:Z:521:BCR:HC8	1.96	0.47
14:a:501:CLA:C3D	14:a:503:CLA:H2	2.43	0.47
13:i:161:LEU:HD22	13:i:229:LEU:HD22	1.95	0.47
13:j:69:LYS:O	13:j:77:GLN:NE2	2.44	0.47
13:j:111:HIS:HE1	14:j:503:CLA:ND	2.12	0.47
14:k:517:CLA:HBA1	14:k:517:CLA:H3A	1.68	0.47
13:o:69:LYS:HD2	13:o:72:LEU:HD12	1.96	0.47
13:p:288:GLY:O	13:p:315:ARG:NH2	2.45	0.47
13:q:158:GLY:HA2	13:q:233:GLY:HA2	1.96	0.47
1:aA:82:VAL:HG13	17:aJ:4012:BCR:H291	1.96	0.47
1:aA:371:ALA:HB2	1:aA:397:HIS:HB2	1.95	0.47
1:aA:677:LEU:HB2	14:aB:1012:CLA:H42	1.95	0.47
14:aA:1116:CLA:HBA2	14:aA:1116:CLA:H3A	1.49	0.47
2:aB:397:PHE:HA	2:aB:401:ASP:HB2	1.96	0.47
6:aF:139:TRP:CG	6:aF:140:PRO:HD3	2.49	0.47
13:a2:328:PHE:HE1	14:a2:518:CLA:HAB	1.78	0.47
14:a3:518:CLA:H72	14:a3:519:CLA:H52	1.96	0.47
13:a5:163:PHE:CE1	14:a5:512:CLA:HHB	2.49	0.47
13:a6:318:LEU:HD23	14:a6:504:CLA:HMB1	1.95	0.47
14:bA:1116:CLA:HBA2	14:bA:1116:CLA:H3A	1.52	0.47
2:bB:686:VAL:HG11	3:bC:81:TYR:CG	2.49	0.47
14:bB:1012:CLA:HMB1	14:bB:1012:CLA:HBB1	1.95	0.47
14:bB:1209:CLA:HBA2	14:bB:1209:CLA:H3A	1.41	0.47
4:bD:10:LEU:HB2	4:bD:49:VAL:HB	1.94	0.47
13:b1:125:HIS:CE1	14:b1:513:CLA:NA	2.82	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:b2:329:PHE:HA	14:b2:508:CLA:HMC2	1.95	0.47
14:b4:512:CLA:HBA1	14:b4:512:CLA:H3A	1.68	0.47
14:b5:505:CLA:H102	14:b5:517:CLA:HBB2	1.95	0.47
13:b6:291:LEU:HG	13:b6:315:ARG:HD2	1.96	0.47
1:cA:650:LEU:HD22	2:cB:658:LEU:HD21	1.95	0.47
2:cB:60:TRP:NE1	14:cB:1224:CLA:OBD	2.47	0.47
2:cB:702:ASP:OD1	2:cB:702:ASP:N	2.46	0.47
14:cB:1207:CLA:H42	10:cL:81:ILE:HG22	1.96	0.47
13:S:64:GLU:HB3	13:S:79:LEU:HD22	1.96	0.47
17:W:521:BCR:H15C	17:W:521:BCR:H351	1.75	0.47
13:c:49:GLN:HG2	14:c:509:CLA:HMA3	1.96	0.47
13:h:312:HIS:HB2	13:h:317:TRP:NE1	2.29	0.47
13:j:241:PRO:HA	14:j:506:CLA:HED2	1.95	0.47
13:n:46:HIS:HE1	14:n:509:CLA:NC	2.12	0.47
13:o:122:ALA:O	13:o:126:THR:OG1	2.30	0.47
1:aA:215:HIS:CE1	14:aA:1112:CLA:NA	2.82	0.47
14:aB:1216:CLA:HED3	14:aB:1216:CLA:H2A	1.96	0.47
14:aB:1222:CLA:HMA1	17:aB:4010:BCR:H14C	1.96	0.47
14:aB:1225:CLA:H3A	14:aB:1225:CLA:HBA2	1.59	0.47
14:a2:501:CLA:H122	14:a2:507:CLA:H61	1.96	0.47
13:a4:50:ALA:O	13:a4:54:VAL:HG23	2.14	0.47
14:bA:1125:CLA:CGA	17:bA:4008:BCR:H17C	2.44	0.47
14:bA:1140:CLA:HAB	14:bA:1013:CLA:H151	1.95	0.47
2:bB:95:GLN:OE1	14:bB:1207:CLA:NB	2.47	0.47
2:bB:243:VAL:HG13	2:bB:264:GLN:HE22	1.79	0.47
13:b1:112:LEU:O	13:b1:115:SER:OG	2.29	0.47
13:b1:246:ARG:HA	13:b1:251:PHE:HE1	1.79	0.47
17:b3:521:BCR:H15C	17:b3:521:BCR:H351	1.75	0.47
13:b5:72:LEU:O	13:b5:77:GLN:NE2	2.48	0.47
4:cD:9:PRO:HB3	4:cD:50:MET:HA	1.96	0.47
10:cL:35:LEU:O	10:cL:39:ARG:N	2.47	0.47
13:c1:125:HIS:CE1	14:c1:513:CLA:NA	2.82	0.47
13:c3:175:ALA:HB1	13:c3:192:ILE:HD13	1.95	0.47
17:c4:524:BCR:H15C	17:c4:524:BCR:H351	1.73	0.47
13:T:174:LYS:HA	13:T:178:TRP:HB2	1.96	0.47
13:Y:128:ARG:HB2	13:Z:341:MET:HE3	1.96	0.47
13:Y:171:LEU:HD22	14:Y:501:CLA:C1D	2.45	0.47
13:c:49:GLN:HG2	14:c:509:CLA:HHB	1.96	0.47
13:d:74:MET:HG2	13:d:79:LEU:HD12	1.95	0.47
13:d:344:ASN:O	13:d:347:GLN:HG2	2.14	0.47
14:e:505:CLA:H92	14:e:505:CLA:H61	1.73	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:n:509:CLA:HBD	14:n:509:CLA:H121	1.95	0.47
13:q:329:PHE:HA	14:q:508:CLA:HMC1	1.96	0.47
1:aA:23:THR:OG1	1:aA:177:TRP:NE1	2.44	0.47
1:aA:678:GLY:HA2	17:aA:4011:BCR:H17C	1.95	0.47
14:aA:1119:CLA:H72	14:aA:1122:CLA:H92	1.96	0.47
2:aB:203:ARG:NH2	2:aB:238:ASP:OD1	2.46	0.47
5:aE:17:TRP:NE1	5:aE:43:LYS:O	2.44	0.47
14:aL:1501:CLA:H3A	14:aL:1501:CLA:HBA2	1.40	0.47
13:a5:106:VAL:HG13	17:a5:523:BCR:H313	1.96	0.47
1:bA:396:HIS:CE1	14:bA:1126:CLA:ND	2.82	0.47
2:bB:473:LYS:NZ	2:bB:516:PHE:O	2.38	0.47
3:bC:15:THR:OG1	3:bC:19:ARG:NH1	2.48	0.47
13:b1:139:ARG:HD3	14:b1:513:CLA:H12	1.95	0.47
14:cA:1138:CLA:H61	14:cA:1138:CLA:H92	1.67	0.47
14:cA:1139:CLA:HMC2	17:cF:4014:BCR:H381	1.96	0.47
13:c1:271:ALA:HB1	14:c1:502:CLA:HED3	1.95	0.47
17:c2:524:BCR:H15C	17:c2:524:BCR:H351	1.73	0.47
13:c4:304:THR:O	13:c4:304:THR:CG2	2.56	0.47
13:c6:32:ASN:OD1	14:c6:511:CLA:NC	2.48	0.47
14:S:502:CLA:HBD	14:S:503:CLA:H43	1.96	0.47
13:T:329:PHE:HA	14:T:508:CLA:HMC1	1.96	0.47
13:d:276:ALA:HA	13:d:291:LEU:HD12	1.97	0.47
13:g:336:HIS:CE1	14:g:508:CLA:NA	2.82	0.47
13:j:159:HIS:NE2	14:j:516:CLA:NB	2.61	0.47
13:m:60:PHE:O	13:m:64:GLU:HG2	2.15	0.47
13:n:54:VAL:HB	13:n:115:SER:HB3	1.94	0.47
17:p:522:BCR:H351	17:p:522:BCR:H15C	1.67	0.47
14:aA:1129:CLA:HMC1	14:aA:1137:CLA:HAB	1.96	0.47
2:aB:299:HIS:HE1	14:aB:1218:CLA:NA	2.12	0.47
17:aB:4009:BCR:H403	17:aB:4010:BCR:H21C	1.96	0.47
13:a2:69:LYS:O	13:a2:77:GLN:NE2	2.40	0.47
1:bA:580:GLY:HA2	2:bB:569:PRO:HD3	1.95	0.47
17:bB:4009:BCR:H383	17:bB:4010:BCR:H23C	1.96	0.47
17:bJ:4012:BCR:H15C	17:bJ:4012:BCR:H351	1.77	0.47
14:bL:1501:CLA:H3A	14:bL:1501:CLA:HBA2	1.39	0.47
2:cB:355:HIS:NE2	14:cB:1223:CLA:NB	2.63	0.47
14:cB:1012:CLA:HBB1	14:cB:1012:CLA:HMB1	1.97	0.47
17:cK:4001:BCR:H341	17:cK:4001:BCR:H11C	1.69	0.47
10:cL:55:HIS:HA	10:cL:58:PHE:CE1	2.49	0.47
13:c2:79:LEU:HD13	13:c2:82:LEU:HD12	1.97	0.47
14:W:501:CLA:C4D	14:W:503:CLA:H2	2.45	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:e:276:ALA:HA	13:e:291:LEU:HD12	1.96	0.47
13:f:236:HIS:HE1	14:f:506:CLA:C1A	2.26	0.47
13:i:125:HIS:HE1	14:i:513:CLA:NA	2.12	0.47
13:k:282:TYR:O	13:k:315:ARG:NH2	2.33	0.47
13:l:241:PRO:HA	14:l:506:CLA:HED2	1.95	0.47
13:n:14:ALA:HB1	13:n:147:TRP:HB2	1.96	0.47
13:q:16:LEU:HG	13:q:36:VAL:HG21	1.97	0.47
14:aA:1120:CLA:H41	14:aA:1120:CLA:H61	1.68	0.47
14:aA:1126:CLA:HBA2	14:aA:1126:CLA:H3A	1.42	0.47
14:aB:1238:CLA:H18	17:aI:4018:BCR:H362	1.96	0.47
17:aJ:4012:BCR:H15C	17:aJ:4012:BCR:H351	1.76	0.47
13:a1:291:LEU:HG	13:a1:315:ARG:HD2	1.96	0.47
13:a5:125:HIS:CE1	14:a5:513:CLA:NA	2.82	0.47
13:a6:49:GLN:HG2	14:a6:509:CLA:HHB	1.97	0.47
1:bA:177:TRP:HB2	14:bA:1109:CLA:HMC2	1.94	0.47
14:bA:1140:CLA:HBA2	14:bA:1140:CLA:H3A	1.49	0.47
2:bB:37:MET:HE3	2:bB:42:LEU:HA	1.95	0.47
2:bB:480:THR:H	2:bB:483:SER:HB3	1.79	0.47
14:cA:1801:CLA:HAA1	18:cA:5002:LHG:H332	1.97	0.47
2:cB:158:GLN:O	2:cB:162:ARG:HG3	2.14	0.47
17:c6:521:BCR:H15C	17:c6:521:BCR:H351	1.76	0.47
13:T:344:ASN:OD1	13:T:345:PHE:N	2.48	0.47
13:W:158:GLY:HA3	13:W:237:ILE:HG13	1.96	0.47
13:Y:322:HIS:NE2	14:Y:502:CLA:NA	2.62	0.47
13:a:45:ALA:HB2	14:a:511:CLA:HMA1	1.96	0.47
13:j:205:TYR:OH	13:j:217:ASP:OD2	2.32	0.47
14:p:517:CLA:HBA1	14:p:517:CLA:H3A	1.65	0.47
13:q:324:PHE:CD2	17:q:521:BCR:H10C	2.49	0.47
1:aA:685:PHE:HZ	14:aA:1140:CLA:HBC2	1.80	0.47
1:aA:712:LYS:O	6:aF:112:ARG:NH2	2.47	0.47
2:aB:222:LEU:HD21	17:aB:4004:BCR:HC42	1.96	0.47
2:aB:231:GLY:HA2	14:aB:1213:CLA:HAA2	1.96	0.47
6:aF:122:ILE:O	8:aJ:11:ALA:N	2.47	0.47
8:aJ:31:ARG:HE	17:aJ:4013:BCR:H312	1.80	0.47
13:a1:192:ILE:HD11	13:a1:215:LEU:HD23	1.96	0.47
13:a3:68:TYR:HE1	13:a3:74:MET:HG2	1.78	0.47
13:a3:282:TYR:O	13:a3:315:ARG:NH2	2.41	0.47
13:a4:163:PHE:CE1	14:a4:512:CLA:HHB	2.50	0.47
13:a4:297:ILE:HG22	14:a4:519:CLA:HED3	1.96	0.47
13:a5:248:LEU:HD13	17:a5:524:BCR:HC32	1.96	0.47
17:a5:522:BCR:H15C	17:a5:522:BCR:H351	1.69	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:a6:510:CLA:H112	14:a6:510:CLA:H72	1.78	0.47
1:bA:27:LYS:HB2	14:bA:1109:CLA:HAA2	1.97	0.47
1:bA:82:VAL:HG13	17:bJ:4012:BCR:H291	1.96	0.47
1:bA:215:HIS:HB2	14:bA:1112:CLA:CHC	2.45	0.47
1:bA:246:PRO:HA	1:bA:249:MET:HB3	1.97	0.47
14:bA:1104:CLA:HMA2	14:bA:1104:CLA:H2	1.96	0.47
14:bB:1012:CLA:HMA1	14:bB:1021:CLA:H202	1.96	0.47
14:bB:1212:CLA:H2A	14:bB:1212:CLA:CED	2.45	0.47
14:b1:501:CLA:H18	14:b1:507:CLA:H122	1.97	0.47
13:b2:163:PHE:CD2	14:b2:512:CLA:H51	2.50	0.47
14:b2:503:CLA:H41	14:b2:503:CLA:H101	1.96	0.47
14:b2:516:CLA:HBA2	14:b2:516:CLA:H3A	1.52	0.47
13:b3:88:LEU:O	13:b3:174:LYS:NZ	2.40	0.47
13:b5:174:LYS:NZ	13:b5:180:GLY:O	2.48	0.47
14:b5:508:CLA:H43	14:b5:511:CLA:HAC1	1.96	0.47
13:b6:146:ARG:HG3	13:b6:148:ASP:H	1.79	0.47
1:cA:219:VAL:HG13	1:cA:239:PRO:HB3	1.97	0.47
1:cA:445:ASN:HD22	2:cB:681:LEU:HD11	1.79	0.47
1:cA:451:LEU:O	1:cA:455:SER:OG	2.31	0.47
1:cA:678:GLY:HA2	17:cA:4011:BCR:H17C	1.96	0.47
1:cA:737:LEU:HA	18:cA:5001:LHG:H382	1.96	0.47
14:cA:1126:CLA:H143	14:cA:1126:CLA:H112	1.72	0.47
14:cB:1215:CLA:HBA2	14:cB:1215:CLA:H3A	1.40	0.47
6:cF:162:SER:O	6:cF:164:ARG:NH1	2.47	0.47
10:cL:69:LEU:HD23	10:cL:74:VAL:HG23	1.95	0.47
17:cL:4022:BCR:H15C	17:cL:4022:BCR:H351	1.75	0.47
13:c3:317:TRP:CZ2	14:c3:504:CLA:HBA1	2.50	0.47
13:c5:105:PHE:CE2	17:c5:523:BCR:HC31	2.49	0.47
13:S:236:HIS:HE1	14:S:506:CLA:NA	2.12	0.47
17:T:522:BCR:H351	17:T:522:BCR:H15C	1.68	0.47
13:U:249:LEU:HD13	14:U:507:CLA:HHC	1.97	0.47
13:W:146:ARG:NH2	13:W:148:ASP:OD2	2.48	0.47
13:Z:324:PHE:CD2	17:Z:521:BCR:H10C	2.50	0.47
14:c:509:CLA:H101	14:c:512:CLA:HBD	1.96	0.47
17:c:522:BCR:HC22	13:d:293:VAL:HG11	1.96	0.47
17:e:521:BCR:H341	17:e:521:BCR:H11C	1.76	0.47
13:g:54:VAL:HB	13:g:115:SER:HB3	1.97	0.47
13:g:72:LEU:O	13:g:77:GLN:NE2	2.47	0.47
13:g:343:PHE:CZ	13:g:348:LEU:HB2	2.49	0.47
13:i:54:VAL:HB	13:i:115:SER:HB3	1.97	0.47
13:i:336:HIS:CE1	14:i:508:CLA:NA	2.83	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:i:523:BCR:H11C	17:i:523:BCR:H341	1.80	0.47
13:k:49:GLN:HG2	14:k:509:CLA:HHB	1.96	0.47
13:k:79:LEU:HD13	13:k:82:LEU:HD12	1.96	0.47
13:n:60:PHE:O	13:n:64:GLU:HG2	2.15	0.47
17:o:523:BCR:H351	17:o:523:BCR:H15C	1.72	0.47
13:p:291:LEU:HG	13:p:315:ARG:HD2	1.96	0.47
14:q:505:CLA:H11	14:q:505:CLA:HBA2	1.70	0.47
1:aA:212:TRP:NE1	1:aA:216:GLN:OE1	2.48	0.47
13:a3:16:LEU:HD11	14:a3:508:CLA:HMA2	1.95	0.47
17:a3:521:BCR:H15C	17:a3:521:BCR:H351	1.76	0.47
13:a5:16:LEU:HD21	13:a5:33:ALA:HB1	1.96	0.47
1:bA:561:ARG:NH2	4:bD:41:GLU:OE1	2.44	0.47
2:bB:349:THR:HB	2:bB:383:ALA:HB2	1.96	0.47
2:bB:435:PHE:HZ	17:bF:4014:BCR:H372	1.79	0.47
14:bB:1216:CLA:HBB1	14:bB:1221:CLA:H93	1.96	0.47
14:bB:1224:CLA:HBC3	21:bB:5002:LMG:H442	1.97	0.47
17:bB:4004:BCR:H15C	17:bB:4004:BCR:H351	1.81	0.47
14:b2:511:CLA:HMB1	17:b2:522:BCR:H382	1.97	0.47
17:b2:523:BCR:H351	17:b2:523:BCR:H15C	1.73	0.47
1:cA:74:SER:OG	1:cA:180:TYR:HB2	2.14	0.47
14:c1:508:CLA:H61	17:c1:521:BCR:H272	1.97	0.47
13:c5:347:GLN:O	13:c5:351:PHE:N	2.38	0.47
14:c5:501:CLA:H122	14:c5:507:CLA:H61	1.95	0.47
17:c5:521:BCR:H11C	17:c5:521:BCR:H341	1.79	0.47
13:T:163:PHE:CE2	14:T:512:CLA:HHB	2.49	0.47
13:T:336:HIS:CE1	14:T:508:CLA:NA	2.83	0.47
14:W:503:CLA:H152	14:W:510:CLA:HBB2	1.97	0.47
13:Z:175:ALA:HB1	13:Z:192:ILE:HD13	1.97	0.47
13:k:225:ILE:HD11	17:k:524:BCR:H372	1.96	0.47
13:l:206:GLN:NE2	14:l:517:CLA:O2A	2.48	0.47
13:p:236:HIS:CE1	14:p:506:CLA:NA	2.83	0.47
1:aA:215:HIS:HB2	14:aA:1112:CLA:CHC	2.45	0.47
2:aB:669:MET:O	2:aB:673:SER:OG	2.22	0.47
4:aD:10:LEU:HG	4:aD:51:ARG:HD3	1.96	0.47
17:aJ:4012:BCR:H11C	17:aJ:4012:BCR:H341	1.77	0.47
13:a2:181:LEU:HD13	14:a2:501:CLA:HED1	1.97	0.47
14:a3:513:CLA:H2	17:a3:523:BCR:H271	1.96	0.47
13:a6:65:ILE:HG23	13:a6:101:LEU:HD13	1.96	0.47
1:bA:416:MET:O	1:bA:561:ARG:NH1	2.38	0.47
2:bB:61:VAL:HG21	14:bB:1225:CLA:H42	1.97	0.47
1:cA:453:PHE:CE2	14:cB:1023:CLA:H12	2.49	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:cB:1225:CLA:H142	14:cB:1225:CLA:H111	1.71	0.47
13:c5:329:PHE:HA	14:c5:508:CLA:HMC1	1.97	0.47
14:c5:501:CLA:H111	14:c5:501:CLA:H72	1.72	0.47
13:c6:264:ILE:HG12	14:c6:502:CLA:HAC1	1.97	0.47
13:c6:324:PHE:HD2	17:c6:521:BCR:H10C	1.80	0.47
13:T:190:ARG:HH12	13:T:192:ILE:HG13	1.80	0.47
13:T:322:HIS:NE2	14:T:502:CLA:ND	2.62	0.47
14:U:505:CLA:H51	17:U:524:BCR:H342	1.97	0.47
13:Z:32:ASN:OD1	14:Z:511:CLA:NC	2.48	0.47
13:f:336:HIS:CE1	14:f:508:CLA:NA	2.83	0.47
13:g:113:ILE:HD12	17:g:523:BCR:H10C	1.95	0.47
13:i:46:HIS:CE1	14:i:509:CLA:NB	2.83	0.47
17:i:522:BCR:H351	17:i:522:BCR:H15C	1.72	0.47
13:l:341:MET:HE2	13:m:128:ARG:HB2	1.97	0.47
14:m:501:CLA:HMB1	17:m:524:BCR:H23C	1.96	0.47
14:aA:1106:CLA:HBA2	14:aA:1106:CLA:H3A	1.42	0.47
14:aA:1118:CLA:H101	17:aA:4002:BCR:H392	1.97	0.47
14:aK:1103:CLA:H3A	14:aK:1103:CLA:HBA2	1.59	0.47
14:bA:1106:CLA:H171	14:bA:1013:CLA:H191	1.97	0.47
14:bA:1119:CLA:H143	14:bA:1122:CLA:H91	1.97	0.47
18:bA:5005:LHG:HC91	17:b2:521:BCR:H322	1.96	0.47
2:bB:661:HIS:NE2	14:bB:1021:CLA:NB	2.63	0.47
2:bB:687:TRP:HD1	4:bD:19:LEU:HD21	1.80	0.47
8:bJ:31:ARG:HE	17:bJ:4013:BCR:H312	1.78	0.47
14:b3:502:CLA:H12	14:b3:503:CLA:H42	1.96	0.47
13:b5:329:PHE:HA	14:b5:508:CLA:HMC2	1.97	0.47
2:cB:276:HIS:CE1	14:cB:1214:CLA:ND	2.83	0.47
2:cB:661:HIS:NE2	14:cB:1021:CLA:NB	2.62	0.47
6:cF:135:THR:OG1	13:c4:351:PHE:O	2.27	0.47
13:c5:275:CYS:O	13:c5:315:ARG:NH1	2.47	0.47
13:c6:182:TYR:HA	13:c6:189:VAL:HA	1.97	0.47
13:T:146:ARG:NH2	13:T:148:ASP:OD2	2.48	0.47
13:U:321:ALA:HB1	14:U:504:CLA:HBB1	1.97	0.47
13:V:316:ALA:O	13:V:320:ASN:ND2	2.34	0.47
13:Z:171:LEU:HD22	14:Z:501:CLA:C1D	2.45	0.47
13:b:125:HIS:CE1	14:b:513:CLA:NA	2.80	0.47
13:e:222:HIS:NE2	14:e:501:CLA:NB	2.63	0.47
17:f:521:BCR:H11C	17:f:521:BCR:H341	1.81	0.47
13:l:182:TYR:HA	13:l:189:VAL:HA	1.97	0.47
14:p:507:CLA:HBD	14:p:509:CLA:H122	1.96	0.47
13:q:235:TRP:O	13:q:239:VAL:HB	2.15	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:aA:577:PRO:HB3	1:aA:724:ILE:HB	1.97	0.46
14:aA:1123:CLA:HBA1	14:aA:1127:CLA:H18	1.98	0.46
2:aB:270:LEU:HD23	2:aB:273:MET:HE3	1.96	0.46
2:aB:344:CYS:HB3	14:aB:1221:CLA:H42	1.96	0.46
14:aB:1221:CLA:H92	14:aB:1221:CLA:H62	1.75	0.46
14:aB:1231:CLA:H2	14:aB:1231:CLA:H62	1.72	0.46
13:a2:80:ILE:O	13:a2:84:HIS:ND1	2.42	0.46
14:bA:1106:CLA:CHC	14:bA:1107:CLA:HMD2	2.46	0.46
14:bA:1130:CLA:HMB1	14:bA:1237:CLA:HAA2	1.98	0.46
2:bB:193:HIS:CE1	14:bB:1211:CLA:NA	2.83	0.46
17:bB:4006:BCR:H15C	17:bB:4006:BCR:H351	1.73	0.46
17:bI:4019:BCR:H351	17:bI:4019:BCR:H15C	1.76	0.46
14:cB:1217:CLA:HBA2	14:cB:1217:CLA:H3A	1.48	0.46
14:cB:1235:CLA:H2	14:cB:1235:CLA:H62	1.71	0.46
14:c1:504:CLA:HBC3	14:c1:504:CLA:H8	1.95	0.46
13:c2:50:ALA:O	13:c2:54:VAL:HG23	2.15	0.46
13:c2:278:ASN:HD21	13:c2:281:ALA:H	1.63	0.46
14:c4:502:CLA:H92	14:c4:502:CLA:H61	1.69	0.46
14:c4:503:CLA:H62	14:c4:503:CLA:H41	1.70	0.46
14:c6:510:CLA:H41	14:c6:510:CLA:H61	1.57	0.46
13:S:72:LEU:O	13:S:77:GLN:NE2	2.48	0.46
13:S:106:VAL:HG13	17:S:523:BCR:H313	1.96	0.46
13:S:236:HIS:CE1	14:S:506:CLA:NA	2.82	0.46
13:S:336:HIS:HE1	14:S:508:CLA:NA	2.12	0.46
17:W:522:BCR:H15C	17:W:522:BCR:H351	1.71	0.46
13:a:158:GLY:HA2	13:a:233:GLY:HA2	1.96	0.46
13:b:32:ASN:HD21	14:b:511:CLA:C1C	2.27	0.46
13:b:175:ALA:HB1	13:b:192:ILE:HD13	1.96	0.46
13:b:246:ARG:HA	13:b:251:PHE:HE1	1.80	0.46
17:d:521:BCR:H15C	17:d:521:BCR:H351	1.73	0.46
13:l:212:ILE:HG13	13:l:278:ASN:ND2	2.30	0.46
13:p:31:GLY:HA3	14:p:511:CLA:HMD2	1.96	0.46
14:aB:1223:CLA:HMA2	17:aB:4010:BCR:HC41	1.96	0.46
13:a1:329:PHE:HA	14:a1:508:CLA:HMC2	1.97	0.46
14:a1:512:CLA:H3A	14:a1:512:CLA:HBA1	1.50	0.46
17:a2:524:BCR:H15C	17:a2:524:BCR:H351	1.71	0.46
13:a3:192:ILE:HG23	13:a3:216:GLU:HG2	1.97	0.46
1:bA:211:ALA:HA	14:bA:1113:CLA:HBB2	1.96	0.46
2:bB:341:HIS:CD2	14:bB:1221:CLA:HAA1	2.50	0.46
2:bB:473:LYS:HE2	2:bB:475:LEU:HD11	1.96	0.46
13:b1:147:TRP:HA	13:b1:153:LEU:HD11	1.97	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:b1:522:BCR:H15C	17:b1:522:BCR:H351	1.77	0.46
17:b3:522:BCR:H15C	17:b3:522:BCR:H351	1.72	0.46
13:b6:336:HIS:CE1	14:b6:508:CLA:NA	2.83	0.46
1:cA:715:PRO:HA	6:cF:108:LEU:HD21	1.98	0.46
14:cA:1106:CLA:CHC	14:cA:1107:CLA:HMD2	2.45	0.46
2:cB:480:THR:H	2:cB:483:SER:HB3	1.80	0.46
6:cF:69:ASP:OD1	6:cF:69:ASP:N	2.48	0.46
17:cL:4022:BCR:H11C	17:cL:4022:BCR:H341	1.82	0.46
13:c2:88:LEU:O	13:c2:174:LYS:NZ	2.44	0.46
13:c3:329:PHE:HE1	14:c3:510:CLA:H102	1.80	0.46
17:c5:523:BCR:H15C	17:c5:523:BCR:H351	1.75	0.46
17:c6:523:BCR:H15C	17:c6:523:BCR:H351	1.74	0.46
13:T:291:LEU:HD21	13:T:316:ALA:HB2	1.96	0.46
13:V:158:GLY:HA2	13:V:233:GLY:HA2	1.97	0.46
13:Z:221:GLY:C	17:Z:524:BCR:H383	2.41	0.46
14:Z:506:CLA:HBB2	14:Z:507:CLA:H52	1.97	0.46
13:c:142:ARG:O	13:c:152:GLN:NE2	2.49	0.46
13:c:291:LEU:HB3	13:c:301:PHE:HB3	1.97	0.46
13:f:126:THR:HG21	17:f:522:BCR:H271	1.98	0.46
13:f:186:LEU:HD12	13:f:190:ARG:HD2	1.97	0.46
13:h:264:ILE:HG12	14:h:502:CLA:HAC1	1.98	0.46
13:k:125:HIS:CE1	14:k:513:CLA:NA	2.80	0.46
13:k:323:PHE:HE1	17:l:522:BCR:HC7	1.80	0.46
13:n:195:PRO:HA	13:n:216:GLU:HB3	1.96	0.46
13:n:324:PHE:CD2	17:n:521:BCR:H10C	2.50	0.46
17:o:522:BCR:H351	17:o:522:BCR:H15C	1.63	0.46
14:p:516:CLA:H3A	14:p:516:CLA:HBA2	1.45	0.46
13:q:304:THR:O	13:q:304:THR:CG2	2.64	0.46
1:aA:352:TRP:HB3	14:aA:1103:CLA:HAC1	1.97	0.46
14:aA:1102:CLA:H141	14:aA:1102:CLA:H162	1.73	0.46
2:aB:158:GLN:HG3	20:aB:1852:SQD:H1	1.97	0.46
2:aB:455:LYS:HB3	14:aB:1230:CLA:HED1	1.97	0.46
14:aB:1012:CLA:HBB1	14:aB:1012:CLA:HMB1	1.96	0.46
14:aB:1214:CLA:HBB1	14:aB:1214:CLA:HMB3	1.97	0.46
4:aD:9:PRO:HB3	4:aD:50:MET:HA	1.98	0.46
13:a1:304:THR:O	13:a1:304:THR:CG2	2.58	0.46
13:a4:16:LEU:HD11	14:a4:508:CLA:HMA2	1.97	0.46
14:a4:518:CLA:C2	14:a4:518:CLA:H3A	2.45	0.46
1:bA:228:ASP:HB3	1:bA:288:VAL:HG21	1.98	0.46
14:bA:1119:CLA:H71	17:bA:4008:BCR:H12C	1.97	0.46
2:bB:156:HIS:HE1	14:bB:1208:CLA:C1A	2.28	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:b2:524:BCR:H341	17:b2:524:BCR:H11C	1.73	0.46
13:b4:72:LEU:HB2	13:b4:77:GLN:HE21	1.80	0.46
14:b4:501:CLA:H151	14:b4:507:CLA:H61	1.97	0.46
1:cA:325:LEU:HD13	14:cA:1123:CLA:HAC2	1.97	0.46
14:cB:1229:CLA:HMB1	17:cF:4014:BCR:H10C	1.98	0.46
15:cB:2002:PQN:H142	15:cB:2002:PQN:H112	1.78	0.46
13:c2:72:LEU:HB2	13:c2:77:GLN:HE21	1.81	0.46
13:c4:123:LEU:HD12	14:c5:505:CLA:HHB	1.98	0.46
14:c4:511:CLA:HMB1	17:c4:522:BCR:H382	1.97	0.46
13:c5:163:PHE:HD2	14:c5:512:CLA:H51	1.80	0.46
13:T:158:GLY:HA2	13:T:233:GLY:HA2	1.97	0.46
14:V:517:CLA:HBA2	14:V:517:CLA:H3A	1.62	0.46
13:X:174:LYS:NZ	13:X:180:GLY:O	2.48	0.46
17:Y:522:BCR:H15C	17:Y:522:BCR:H351	1.69	0.46
13:b:174:LYS:HD2	13:b:178:TRP:HB2	1.97	0.46
13:c:145:PHE:HA	13:c:152:GLN:HG2	1.98	0.46
14:d:509:CLA:H92	14:d:509:CLA:H62	1.75	0.46
13:g:33:ALA:HB2	14:g:508:CLA:HAA2	1.97	0.46
17:l:523:BCR:H15C	17:l:523:BCR:H351	1.73	0.46
13:m:49:GLN:HG2	14:m:509:CLA:HHB	1.97	0.46
13:o:246:ARG:HA	13:o:251:PHE:CE1	2.50	0.46
14:o:518:CLA:H3A	14:o:518:CLA:O2A	2.16	0.46
14:aA:1119:CLA:H71	17:aA:4008:BCR:H12C	1.98	0.46
14:aA:1121:CLA:H91	14:aA:1133:CLA:H193	1.98	0.46
14:aB:1223:CLA:H13	17:aB:4010:BCR:H351	1.97	0.46
13:a2:32:ASN:OD1	14:a2:511:CLA:NC	2.48	0.46
13:a2:242:LEU:HD12	13:a2:244:TRP:HE1	1.81	0.46
14:a2:517:CLA:H3A	14:a2:517:CLA:HBA1	1.45	0.46
14:a3:510:CLA:H41	14:a3:510:CLA:H61	1.57	0.46
13:a6:292:GLU:O	13:a6:302:ALA:N	2.45	0.46
1:bA:203:GLY:HA3	14:bA:1111:CLA:HBB1	1.97	0.46
1:bA:379:PRO:HD2	1:bA:383:LEU:HD22	1.96	0.46
14:bB:1023:CLA:H143	14:bB:1023:CLA:H111	1.75	0.46
10:bL:106:GLY:HA3	10:bL:114:THR:HG22	1.98	0.46
13:b1:163:PHE:CE2	14:b1:512:CLA:HHB	2.50	0.46
13:b1:348:LEU:O	13:b1:352:LEU:N	2.45	0.46
17:b5:524:BCR:H351	17:b5:524:BCR:H15C	1.70	0.46
13:b6:336:HIS:HE1	14:b6:508:CLA:NA	2.12	0.46
2:cB:638:LEU:HD22	2:cB:731:PHE:HA	1.98	0.46
14:cB:1223:CLA:H112	14:cB:1223:CLA:H72	1.81	0.46
13:S:205:TYR:OH	13:S:217:ASP:OD2	2.30	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:S:241:PRO:HA	14:S:506:CLA:HED3	1.97	0.46
14:S:508:CLA:H2	14:S:510:CLA:H12	1.96	0.46
13:T:50:ALA:O	13:T:54:VAL:HG23	2.16	0.46
14:X:501:CLA:C4D	14:X:503:CLA:H2	2.44	0.46
14:d:517:CLA:H3A	14:d:517:CLA:HBA1	1.45	0.46
13:e:205:TYR:OH	13:e:217:ASP:OD2	2.33	0.46
13:e:264:ILE:HG12	14:e:502:CLA:HAC1	1.98	0.46
17:j:524:BCR:H351	17:j:524:BCR:H15C	1.67	0.46
13:k:46:HIS:NE2	14:k:509:CLA:C1A	2.75	0.46
13:m:163:PHE:CE2	14:m:512:CLA:HHB	2.51	0.46
13:p:198:ASP:HB3	13:p:201:VAL:HB	1.98	0.46
1:aA:453:PHE:CE2	14:aB:1023:CLA:H12	2.51	0.46
14:aA:1022:CLA:H121	14:aB:1207:CLA:HBC3	1.97	0.46
14:aA:1130:CLA:HMB3	14:aA:1130:CLA:HBB1	1.97	0.46
14:aA:1013:CLA:O1A	2:aB:532:LEU:HD11	2.16	0.46
2:aB:394:GLY:HA2	17:aB:4010:BCR:H393	1.97	0.46
14:aB:1204:CLA:HMC2	14:aB:1204:CLA:H92	1.97	0.46
14:aB:1204:CLA:HHB	14:aB:1205:CLA:HHB	1.97	0.46
14:aB:1227:CLA:HAB	14:aB:1236:CLA:HBB2	1.97	0.46
14:a4:509:CLA:H92	14:a4:509:CLA:H62	1.78	0.46
18:bA:5004:LHG:HC61	13:b2:296:GLY:HA3	1.97	0.46
2:bB:76:GLN:OE1	2:bB:76:GLN:N	2.48	0.46
13:b3:320:ASN:HB3	17:b3:521:BCR:HC8	1.97	0.46
1:cA:432:ARG:NH2	14:cA:1129:CLA:O1D	2.49	0.46
1:cA:552:ILE:HG12	14:cB:1023:CLA:HMD3	1.97	0.46
1:cA:677:LEU:HB3	14:cB:1012:CLA:O2A	2.16	0.46
14:cA:1117:CLA:HAB	14:cA:1117:CLA:H8	1.96	0.46
17:cB:4005:BCR:H15C	17:cB:4005:BCR:H351	1.75	0.46
17:c1:523:BCR:H11C	17:c1:523:BCR:H341	1.81	0.46
14:c3:504:CLA:H2	14:c3:504:CLA:H61	1.53	0.46
13:c6:171:LEU:HD11	14:c6:501:CLA:HED3	1.98	0.46
13:T:160:HIS:NE2	14:T:512:CLA:NA	2.64	0.46
17:T:523:BCR:H15C	17:T:523:BCR:H351	1.76	0.46
17:Z:524:BCR:H15C	17:Z:524:BCR:H351	1.71	0.46
13:a:125:HIS:NE2	14:a:513:CLA:NB	2.63	0.46
14:b:512:CLA:HBA1	14:b:512:CLA:H3A	1.42	0.46
13:i:32:ASN:HB3	14:i:509:CLA:HAB	1.97	0.46
13:l:125:HIS:NE2	14:l:513:CLA:NB	2.63	0.46
14:l:519:CLA:CGA	14:l:519:CLA:H3A	2.44	0.46
13:o:125:HIS:HA	13:o:129:ALA:HB3	1.97	0.46
13:p:175:ALA:HB1	13:p:192:ILE:HD13	1.96	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:aA:394:PHE:O	1:aA:398:MET:HG2	2.15	0.46
14:aA:1101:CLA:H102	14:aA:1101:CLA:H62	1.70	0.46
14:aA:1115:CLA:CHD	14:aA:1116:CLA:HBB2	2.46	0.46
2:aB:528:HIS:CD2	17:aF:4015:BCR:HC21	2.50	0.46
14:aB:1203:CLA:H111	14:aB:1203:CLA:H72	1.59	0.46
14:aB:1216:CLA:HMB3	14:aB:1221:CLA:H52	1.98	0.46
14:aB:1231:CLA:HBA2	14:aB:1231:CLA:H11	1.45	0.46
13:a4:125:HIS:HE1	14:a4:513:CLA:NA	2.13	0.46
13:a5:163:PHE:HD2	14:a5:512:CLA:H2	1.81	0.46
13:a6:308:PRO:HB2	13:a6:309:LEU:HD12	1.96	0.46
14:bA:1126:CLA:H3A	14:bA:1126:CLA:HBA2	1.45	0.46
10:bL:35:LEU:O	10:bL:39:ARG:N	2.48	0.46
14:b1:505:CLA:HBC2	17:b1:524:BCR:H341	1.97	0.46
13:b2:125:HIS:CE1	14:b2:513:CLA:NA	2.83	0.46
14:b2:501:CLA:H193	14:b2:507:CLA:HBB1	1.97	0.46
14:b5:518:CLA:H3A	14:b5:518:CLA:O2A	2.15	0.46
13:b6:60:PHE:O	13:b6:64:GLU:HG2	2.15	0.46
1:cA:215:HIS:CE1	14:cA:1112:CLA:NA	2.83	0.46
14:cA:1104:CLA:H41	14:cA:1128:CLA:H92	1.97	0.46
14:cA:1116:CLA:H3A	14:cA:1116:CLA:HBA2	1.49	0.46
14:cA:1119:CLA:H71	17:cA:4008:BCR:H12C	1.98	0.46
14:cA:1237:CLA:H192	10:cL:59:LEU:HD21	1.97	0.46
4:cD:43:PRO:HD3	4:cD:68:LEU:HD13	1.97	0.46
6:cF:141:LEU:HD11	20:c4:822:SQD:H242	1.96	0.46
13:c1:125:HIS:HA	13:c1:129:ALA:HB3	1.96	0.46
14:c1:518:CLA:H41	14:c1:518:CLA:H61	1.71	0.46
14:c4:502:CLA:HBD	14:c4:503:CLA:H43	1.97	0.46
13:c5:62:LEU:HB2	13:c6:295:LEU:HD13	1.97	0.46
13:c5:163:PHE:CE1	14:c5:512:CLA:HHB	2.51	0.46
17:c6:524:BCR:H341	17:c6:524:BCR:H11C	1.70	0.46
13:S:190:ARG:HH12	13:S:192:ILE:HG13	1.80	0.46
14:U:512:CLA:HBB2	14:U:516:CLA:ND	2.31	0.46
17:V:522:BCR:H351	17:V:522:BCR:H15C	1.66	0.46
14:X:510:CLA:H61	14:X:510:CLA:H41	1.47	0.46
13:Y:85:LEU:HD21	14:Y:503:CLA:HED2	1.96	0.46
13:Y:192:ILE:HG23	13:Y:216:GLU:HG2	1.96	0.46
13:b:124:PHE:HB2	14:c:505:CLA:HAA2	1.97	0.46
13:f:336:HIS:HE1	14:f:508:CLA:NA	2.14	0.46
17:j:524:BCR:H11C	17:j:524:BCR:H341	1.71	0.46
13:l:133:LEU:HD22	13:l:140:ALA:HB1	1.98	0.46
13:m:64:GLU:O	13:m:68:TYR:HB2	2.16	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:o:523:BCR:H11C	17:o:523:BCR:H341	1.83	0.46
14:q:502:CLA:HBD	14:q:503:CLA:H43	1.97	0.46
1:aA:422:PRO:HG3	4:aD:41:GLU:HB2	1.98	0.46
1:aA:715:PRO:HA	6:aF:108:LEU:HD21	1.96	0.46
14:aA:1128:CLA:H71	14:aA:1140:CLA:HED3	1.96	0.46
14:aA:1137:CLA:H62	14:aA:1137:CLA:H41	1.58	0.46
14:a5:505:CLA:H51	17:a5:524:BCR:H342	1.97	0.46
14:a6:512:CLA:HBA1	14:a6:512:CLA:H3A	1.64	0.46
14:b1:512:CLA:H3A	14:b1:512:CLA:HBA1	1.65	0.46
13:b5:95:GLY:HA2	13:b5:187:GLN:HB3	1.97	0.46
13:b5:202:ILE:HG23	17:b5:524:BCR:H403	1.97	0.46
1:cA:86:TRP:HA	14:cA:1105:CLA:HBB2	1.97	0.46
14:cA:1140:CLA:H3A	14:cA:1140:CLA:HBA2	1.56	0.46
2:cB:426:LEU:HD13	2:cB:539:LEU:HA	1.98	0.46
14:cB:1218:CLA:H2	14:cB:1218:CLA:H61	1.71	0.46
14:cB:1232:CLA:H3A	14:cB:1232:CLA:HBA1	1.76	0.46
14:c3:501:CLA:H203	14:c3:507:CLA:H13	1.97	0.46
17:c3:523:BCR:H351	17:c3:523:BCR:H15C	1.73	0.46
17:S:521:BCR:H15C	17:S:521:BCR:H351	1.76	0.46
13:U:322:HIS:NE2	14:U:502:CLA:ND	2.63	0.46
13:V:49:GLN:HG2	14:V:509:CLA:HMA3	1.98	0.46
13:W:69:LYS:O	13:W:77:GLN:NE2	2.46	0.46
14:X:503:CLA:H101	14:X:503:CLA:H41	1.97	0.46
14:X:509:CLA:HBD	14:X:509:CLA:H121	1.96	0.46
13:Z:158:GLY:HA2	13:Z:233:GLY:HA2	1.98	0.46
13:a:303:ASP:OD1	13:a:313:THR:OG1	2.23	0.46
14:g:505:CLA:H92	14:g:505:CLA:H61	1.76	0.46
13:h:163:PHE:CE2	14:h:512:CLA:HHB	2.51	0.46
13:q:125:HIS:CE1	14:q:513:CLA:NA	2.83	0.46
14:aA:1131:CLA:H51	14:aA:1237:CLA:HBC2	1.97	0.46
14:aB:1021:CLA:H202	14:aB:1021:CLA:H162	1.76	0.46
14:aB:1212:CLA:H2A	14:aB:1212:CLA:CED	2.46	0.46
4:aD:116:VAL:HG12	4:aD:118:ARG:HG2	1.98	0.46
13:a1:73:PRO:HG2	13:a1:76:GLU:HG3	1.98	0.46
14:a1:501:CLA:C4D	14:a1:503:CLA:H2	2.46	0.46
13:a2:41:LEU:HB3	14:a2:511:CLA:HMA1	1.98	0.46
13:a2:125:HIS:CE1	14:a2:513:CLA:NA	2.84	0.46
13:a3:329:PHE:HA	14:a3:508:CLA:HMC2	1.98	0.46
14:a3:502:CLA:H61	14:a3:512:CLA:H42	1.97	0.46
14:a3:512:CLA:H3A	14:a3:512:CLA:HBA1	1.67	0.46
13:a4:49:GLN:OE1	14:a4:510:CLA:NC	2.49	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:bA:13:ARG:NH2	1:bA:188:GLU:OE1	2.48	0.46
1:bA:387:TYR:HB3	1:bA:751:ILE:HD11	1.96	0.46
1:bA:654:LEU:HD11	14:bA:1011:CLA:H72	1.97	0.46
2:bB:60:TRP:NE1	14:bB:1224:CLA:OBD	2.49	0.46
14:bB:1208:CLA:HED3	19:bB:1843:LMU:H3B	1.98	0.46
14:bB:1209:CLA:H71	14:bB:1209:CLA:HBB1	1.97	0.46
13:b1:79:LEU:HD13	13:b1:82:LEU:HD12	1.96	0.46
14:b3:510:CLA:H41	14:b3:510:CLA:H61	1.64	0.46
13:b4:49:GLN:HG2	14:b4:509:CLA:HMA3	1.98	0.46
1:cA:82:VAL:HG13	17:cJ:4012:BCR:H291	1.98	0.46
14:cA:1119:CLA:H143	14:cA:1122:CLA:H91	1.97	0.46
14:cB:1012:CLA:HMA1	14:cB:1021:CLA:H162	1.96	0.46
17:c1:522:BCR:HC41	13:c2:273:TYR:HB2	1.98	0.46
17:U:523:BCR:H11C	17:U:523:BCR:H341	1.80	0.46
17:U:523:BCR:H15C	17:U:523:BCR:H351	1.77	0.46
14:U:508:CLA:H2	14:U:510:CLA:H12	1.97	0.46
14:V:512:CLA:O2D	14:V:513:CLA:HBB2	2.15	0.46
17:V:523:BCR:H11C	17:V:523:BCR:H341	1.82	0.46
13:Z:163:PHE:CE2	14:Z:512:CLA:HHB	2.51	0.46
17:c:523:BCR:H11C	17:c:523:BCR:H341	1.82	0.46
13:g:316:ALA:O	13:g:320:ASN:ND2	2.37	0.46
17:l:522:BCR:H24C	17:l:522:BCR:H371	1.74	0.46
17:m:521:BCR:H11C	17:m:521:BCR:H341	1.80	0.46
13:p:163:PHE:CE2	14:p:512:CLA:HHB	2.50	0.46
17:q:522:BCR:H351	17:q:522:BCR:H15C	1.70	0.46
14:aA:1107:CLA:H92	14:aA:1107:CLA:H61	1.78	0.46
4:aD:10:LEU:HB2	4:aD:49:VAL:HB	1.98	0.46
17:a3:523:BCR:H15C	17:a3:523:BCR:H351	1.66	0.46
13:a5:69:LYS:O	13:a5:77:GLN:NE2	2.45	0.46
2:bB:77:TRP:HZ3	2:bB:125:TYR:HB2	1.80	0.46
2:bB:340:TRP:HE1	14:bB:1221:CLA:C2B	2.29	0.46
2:bB:344:CYS:HB3	14:bB:1221:CLA:H42	1.98	0.46
14:bB:1205:CLA:H71	14:bB:1205:CLA:HBB1	1.98	0.46
14:bB:1219:CLA:H92	14:bB:1219:CLA:H61	1.82	0.46
17:bI:4018:BCR:H15C	17:bI:4018:BCR:H351	1.67	0.46
14:b2:503:CLA:H102	14:b2:503:CLA:H13	1.81	0.46
13:b3:229:LEU:HD21	14:b3:507:CLA:H71	1.98	0.46
14:b3:505:CLA:H111	14:b3:517:CLA:HBB2	1.96	0.46
13:b5:112:LEU:O	13:b5:115:SER:OG	2.31	0.46
1:cA:472:GLN:O	10:cL:70:ARG:NH2	2.49	0.46
1:cA:535:ASP:OD2	1:cA:616:LYS:NZ	2.47	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:cA:587:CYS:HB2	2:cB:674:TRP:HE3	1.81	0.46
14:cA:1013:CLA:H143	14:cA:1140:CLA:H101	1.98	0.46
4:cD:39:VAL:O	4:cD:76:ARG:NH2	2.49	0.46
6:cF:139:TRP:CG	6:cF:140:PRO:HD3	2.50	0.46
13:c3:88:LEU:HD13	14:c3:502:CLA:H142	1.98	0.46
14:c3:505:CLA:H12	17:c3:524:BCR:H311	1.97	0.46
13:V:107:ILE:HG12	14:V:503:CLA:HMA2	1.98	0.46
13:V:236:HIS:HE1	14:V:506:CLA:ND	2.14	0.46
13:Z:128:ARG:HB2	13:a:341:MET:HE3	1.97	0.46
14:Z:503:CLA:H62	14:Z:503:CLA:H102	1.71	0.46
17:a:523:BCR:H15C	17:a:523:BCR:H351	1.77	0.46
17:c:524:BCR:H15C	17:c:524:BCR:H351	1.73	0.46
13:d:327:PHE:O	13:d:331:GLN:HG2	2.16	0.46
13:h:54:VAL:HB	13:h:115:SER:HB3	1.97	0.46
17:j:521:BCR:H15C	17:j:521:BCR:H351	1.74	0.46
17:m:521:BCR:H24C	17:m:521:BCR:H371	1.74	0.46
13:n:297:ILE:O	14:n:519:CLA:NA	2.49	0.46
17:n:521:BCR:H371	17:n:521:BCR:H24C	1.74	0.46
13:p:349:GLU:HB2	20:p:822:SQD:H101	1.98	0.46
14:aA:1116:CLA:H11	14:aA:1125:CLA:HBB2	1.98	0.46
14:aA:1125:CLA:CGA	17:aA:4008:BCR:H17C	2.46	0.46
14:aB:1223:CLA:H112	14:aB:1223:CLA:H72	1.80	0.46
17:aK:4001:BCR:H11C	17:aK:4001:BCR:H341	1.69	0.46
14:a1:506:CLA:HBC3	14:a1:507:CLA:H143	1.99	0.46
13:a2:106:VAL:HG11	21:a2:5104:LMG:H112	1.98	0.46
13:a2:291:LEU:HG	13:a2:315:ARG:HD2	1.97	0.46
13:a4:329:PHE:HA	14:a4:508:CLA:HMC2	1.97	0.46
17:a4:522:BCR:HC7	13:a5:323:PHE:HE1	1.80	0.46
13:a6:161:LEU:HD21	14:a6:506:CLA:HAB	1.97	0.46
14:a6:503:CLA:H62	14:a6:503:CLA:H102	1.57	0.46
1:bA:197:LEU:HD12	1:bA:325:LEU:HD11	1.98	0.46
2:bB:530:ILE:HG21	14:bB:1234:CLA:HAB	1.98	0.46
4:bD:9:PRO:HB3	4:bD:50:MET:HA	1.97	0.46
14:b2:517:CLA:H3A	14:b2:517:CLA:HBA1	1.50	0.46
13:b5:55:PHE:HE2	14:b6:519:CLA:HBA1	1.81	0.46
17:b6:522:BCR:H15C	17:b6:522:BCR:H351	1.69	0.46
1:cA:520:VAL:HG23	1:cA:525:ALA:HB2	1.97	0.46
14:cA:1128:CLA:H102	14:cA:1140:CLA:HAA2	1.98	0.46
14:cA:1140:CLA:H202	14:cA:1140:CLA:H161	1.79	0.46
2:cB:531:ALA:HB2	14:cB:1236:CLA:HED2	1.98	0.46
14:cB:1214:CLA:H91	14:cB:1214:CLA:H111	1.67	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:cB:1231:CLA:H62	14:cB:1232:CLA:HMB2	1.98	0.46
17:cF:4015:BCR:H15C	17:cF:4015:BCR:H351	1.73	0.46
14:c1:506:CLA:HBA1	14:c1:506:CLA:H3A	1.76	0.46
13:c4:16:LEU:HD11	14:c4:508:CLA:HMA2	1.98	0.46
14:c4:508:CLA:H101	17:c4:521:BCR:H19C	1.98	0.46
14:c5:502:CLA:HBD	14:c5:503:CLA:H43	1.97	0.46
14:S:505:CLA:HBC2	17:S:524:BCR:H341	1.97	0.46
14:V:505:CLA:H93	14:V:505:CLA:H61	1.82	0.46
13:W:346:LYS:O	13:W:349:GLU:HG3	2.15	0.46
13:X:54:VAL:HB	13:X:115:SER:HB3	1.98	0.46
13:b:182:TYR:HA	13:b:189:VAL:HA	1.98	0.46
17:c:521:BCR:H11C	17:c:521:BCR:H341	1.79	0.46
13:f:348:LEU:HD12	13:f:351:PHE:CE1	2.50	0.46
17:f:521:BCR:H24C	17:f:521:BCR:H371	1.74	0.46
13:g:324:PHE:CD2	17:g:521:BCR:H10C	2.51	0.46
13:k:215:LEU:H	13:k:215:LEU:HD12	1.81	0.46
13:p:336:HIS:HE1	14:p:508:CLA:NA	2.14	0.46
17:p:524:BCR:H11C	17:p:524:BCR:H341	1.75	0.46
4:aD:61:ARG:NH2	4:aD:63:GLU:OE1	2.49	0.45
6:aF:31:CYS:HB2	6:aF:62:SER:HA	1.97	0.45
14:a6:508:CLA:H93	17:a6:521:BCR:H21C	1.97	0.45
14:bA:1106:CLA:H111	14:bA:1109:CLA:H191	1.97	0.45
14:bA:1126:CLA:O1D	14:bA:1127:CLA:HHB	2.15	0.45
14:bA:1138:CLA:H141	14:bA:1138:CLA:H162	1.76	0.45
14:bB:1201:CLA:HHC	14:bB:1203:CLA:OBD	2.16	0.45
14:bL:1501:CLA:CBB	17:bL:4022:BCR:HC7	2.46	0.45
17:b2:524:BCR:H351	17:b2:524:BCR:H15C	1.73	0.45
17:b2:523:BCR:H11C	17:b2:523:BCR:H341	1.79	0.45
13:b3:55:PHE:HE2	14:b4:519:CLA:HBA1	1.81	0.45
13:b5:117:VAL:HA	14:b6:505:CLA:H61	1.98	0.45
1:cA:341:HIS:NE2	14:cA:1122:CLA:ND	2.63	0.45
3:cC:15:THR:HG22	3:cC:28:MET:HG3	1.98	0.45
14:c1:519:CLA:H3A	14:c1:519:CLA:HBA1	1.59	0.45
17:c1:523:BCR:H15C	17:c1:523:BCR:H351	1.76	0.45
13:c3:32:ASN:OD1	14:c3:511:CLA:NC	2.48	0.45
13:c3:125:HIS:HE1	14:c3:513:CLA:NA	2.14	0.45
14:c3:512:CLA:HBA1	14:c3:512:CLA:H3A	1.68	0.45
17:c3:523:BCR:H11C	17:c3:523:BCR:H341	1.77	0.45
13:T:171:LEU:HD22	14:T:501:CLA:C1D	2.47	0.45
14:W:518:CLA:C1	14:W:518:CLA:H3A	2.46	0.45
13:X:158:GLY:HA2	13:X:233:GLY:HA2	1.97	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:a:336:HIS:CE1	14:a:508:CLA:NA	2.84	0.45
14:b:503:CLA:H102	14:b:503:CLA:H62	1.73	0.45
13:d:316:ALA:O	13:d:320:ASN:ND2	2.35	0.45
13:d:336:HIS:HE1	14:d:508:CLA:NA	2.14	0.45
13:f:161:LEU:HD21	14:f:506:CLA:HAB	1.99	0.45
14:h:504:CLA:H3A	14:h:504:CLA:HBA2	1.69	0.45
13:j:125:HIS:HA	13:j:129:ALA:HB3	1.96	0.45
17:l:521:BCR:H24C	17:l:521:BCR:H371	1.75	0.45
13:m:303:ASP:OD1	13:m:313:THR:OG1	2.27	0.45
14:m:517:CLA:HBA1	14:m:517:CLA:H3A	1.42	0.45
13:n:186:LEU:HD12	13:n:190:ARG:HD2	1.97	0.45
13:n:304:THR:O	13:n:304:THR:CG2	2.63	0.45
17:n:523:BCR:H11C	17:n:523:BCR:H341	1.84	0.45
1:aA:118:TRP:HB3	17:aJ:4013:BCR:H323	1.98	0.45
1:aA:341:HIS:NE2	14:aA:1122:CLA:ND	2.65	0.45
14:aA:1117:CLA:HBA2	14:aA:1117:CLA:H3A	1.42	0.45
14:aA:1011:CLA:H62	14:aA:1011:CLA:H102	1.76	0.45
2:aB:347:VAL:HG13	14:aB:1222:CLA:HED1	1.98	0.45
14:aB:1222:CLA:H71	14:aB:1234:CLA:H8	1.99	0.45
13:a1:50:ALA:O	13:a1:54:VAL:HG23	2.16	0.45
13:a1:125:HIS:CE1	14:a1:513:CLA:NA	2.84	0.45
14:a3:501:CLA:H151	14:a3:507:CLA:H72	1.97	0.45
14:a3:511:CLA:H92	14:a3:511:CLA:H61	1.77	0.45
14:a4:509:CLA:HBD	14:a4:509:CLA:H121	1.99	0.45
14:a6:504:CLA:H162	14:a6:504:CLA:H101	1.98	0.45
1:bA:86:TRP:NE1	14:bA:1126:CLA:OBD	2.50	0.45
2:bB:555:PRO:HD2	3:bC:62:PHE:CE1	2.51	0.45
14:b3:512:CLA:H3A	14:b3:512:CLA:HBA1	1.64	0.45
13:b4:32:ASN:OD1	14:b4:511:CLA:NC	2.50	0.45
13:b4:329:PHE:HE1	14:b4:510:CLA:H102	1.82	0.45
17:b5:523:BCR:H11C	17:b5:523:BCR:H341	1.86	0.45
14:cA:1130:CLA:HMB2	14:cA:1237:CLA:HED3	1.98	0.45
14:cB:1201:CLA:HHC	14:cB:1203:CLA:OBD	2.16	0.45
14:cB:1204:CLA:HHB	14:cB:1205:CLA:HHB	1.97	0.45
10:cL:46:LEU:HD11	14:cL:1501:CLA:HED1	1.97	0.45
17:cM:4021:BCR:H15C	17:cM:4021:BCR:H351	1.83	0.45
14:c1:505:CLA:H12	17:c1:524:BCR:H311	1.98	0.45
14:c3:505:CLA:H193	14:c3:505:CLA:H162	1.84	0.45
13:c6:282:TYR:O	13:c6:315:ARG:NH2	2.43	0.45
14:V:505:CLA:H43	17:V:524:BCR:HC7	1.99	0.45
13:Y:221:GLY:C	17:Y:524:BCR:H383	2.41	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:Y:502:CLA:H12	14:Y:503:CLA:H42	1.97	0.45
14:Z:509:CLA:HBD	14:Z:509:CLA:H121	1.98	0.45
17:Z:522:BCR:H15C	17:Z:522:BCR:H351	1.70	0.45
13:c:346:LYS:O	13:c:349:GLU:HG3	2.16	0.45
14:c:508:CLA:C1D	17:c:521:BCR:H382	2.45	0.45
14:c:509:CLA:O1A	14:c:509:CLA:H2A	2.15	0.45
13:d:289:PRO:HG3	13:d:305:ILE:HD12	1.96	0.45
13:f:14:ALA:HB1	13:f:147:TRP:HB2	1.98	0.45
13:h:161:LEU:HD22	13:h:229:LEU:HD22	1.98	0.45
17:j:523:BCR:H24C	17:j:523:BCR:H371	1.79	0.45
13:m:322:HIS:CD2	14:m:502:CLA:ND	2.85	0.45
13:o:113:ILE:HD12	17:o:523:BCR:H10C	1.97	0.45
13:p:187:GLN:NE2	13:p:285:GLU:OE2	2.49	0.45
17:p:523:BCR:H351	17:p:523:BCR:H15C	1.68	0.45
1:aA:285:LEU:HD21	1:aA:378:PRO:HD2	1.97	0.45
14:aA:1106:CLA:CHC	14:aA:1107:CLA:HMD2	2.47	0.45
14:aA:1237:CLA:H91	17:aI:4019:BCR:H392	1.98	0.45
14:aB:1214:CLA:H62	14:aB:1214:CLA:H101	1.75	0.45
15:aB:2002:PQN:H222	15:aB:2002:PQN:H261	1.73	0.45
4:aD:33:THR:OG1	4:aD:80:ASP:OD2	2.28	0.45
14:a1:518:CLA:H61	14:a1:518:CLA:H41	1.67	0.45
14:a2:519:CLA:H2A	14:a2:519:CLA:HED2	1.98	0.45
13:a3:106:VAL:HG13	17:a3:523:BCR:H312	1.99	0.45
13:a3:221:GLY:HA3	17:a3:524:BCR:H402	1.99	0.45
13:a5:329:PHE:HA	14:a5:508:CLA:HMC2	1.98	0.45
14:bA:1101:CLA:HBB2	14:bA:1109:CLA:H72	1.99	0.45
14:bA:1131:CLA:H102	14:bB:1238:CLA:H52	1.98	0.45
14:bB:1238:CLA:H162	14:bB:1238:CLA:H141	1.72	0.45
17:bI:4020:BCR:H15C	17:bI:4020:BCR:H351	1.77	0.45
17:bL:4022:BCR:H11C	17:bL:4022:BCR:H341	1.84	0.45
13:b5:85:LEU:HD21	14:b5:503:CLA:HED2	1.98	0.45
14:b6:502:CLA:H92	14:b6:502:CLA:H61	1.70	0.45
14:cA:1118:CLA:HBB2	17:cA:4002:BCR:H382	1.99	0.45
14:cA:1129:CLA:HAB	14:cA:1137:CLA:HBB2	1.97	0.45
14:cB:1212:CLA:H2A	14:cB:1212:CLA:CED	2.46	0.45
14:cB:1229:CLA:H142	17:cF:4016:BCR:H10C	1.99	0.45
14:cB:1231:CLA:H11	14:cB:1231:CLA:HBA2	1.47	0.45
17:cB:4010:BCR:H11C	17:cB:4010:BCR:H341	1.76	0.45
13:c2:49:GLN:OE1	14:c2:510:CLA:NC	2.50	0.45
13:c5:182:TYR:HA	13:c5:189:VAL:HA	1.97	0.45
13:c6:163:PHE:CE2	14:c6:512:CLA:HBB	2.52	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:S:505:CLA:H11	14:S:505:CLA:HBA2	1.75	0.45
13:T:150:PRO:HB2	13:T:241:PRO:HD2	1.99	0.45
17:V:524:BCR:H11C	17:V:524:BCR:H341	1.70	0.45
14:a:518:CLA:H3A	14:a:518:CLA:C1	2.46	0.45
13:d:72:LEU:HB2	13:d:77:GLN:HE21	1.81	0.45
13:g:210:ALA:HB1	13:g:277:VAL:HG11	1.98	0.45
13:g:242:LEU:HD12	13:g:244:TRP:HE1	1.81	0.45
17:h:524:BCR:H11C	17:h:524:BCR:H341	1.81	0.45
13:i:32:ASN:OD1	14:i:511:CLA:NC	2.49	0.45
13:i:291:LEU:HB3	13:i:301:PHE:HB3	1.98	0.45
13:m:46:HIS:CE1	14:m:509:CLA:NC	2.84	0.45
13:n:291:LEU:HB3	13:n:301:PHE:HB3	1.99	0.45
1:aA:399:TRP:CD1	14:aA:1126:CLA:HAB	2.51	0.45
14:aA:1116:CLA:H93	14:aA:1134:CLA:H3A	1.98	0.45
14:aA:1134:CLA:H43	14:aK:1401:CLA:H43	1.98	0.45
4:aD:27:LYS:HB2	4:aD:86:ILE:HB	1.99	0.45
14:a4:509:CLA:H72	14:a4:509:CLA:H111	1.85	0.45
14:a5:510:CLA:H61	14:a5:510:CLA:H41	1.68	0.45
14:a5:512:CLA:HBA1	14:a5:512:CLA:H3A	1.45	0.45
17:a5:524:BCR:H351	17:a5:524:BCR:H15C	1.73	0.45
14:a6:510:CLA:H41	14:a6:510:CLA:H61	1.65	0.45
14:bA:1103:CLA:HBA1	14:bA:1111:CLA:HBA1	1.98	0.45
14:bA:1137:CLA:H92	14:bA:1137:CLA:H61	1.76	0.45
13:b1:128:ARG:HB2	13:b2:341:MET:HE3	1.98	0.45
13:b4:125:HIS:HE1	14:b4:513:CLA:NA	2.14	0.45
1:cA:456:PHE:CE1	14:cA:1022:CLA:HNB	2.51	0.45
14:cA:1013:CLA:HMD3	2:cB:540:ILE:HG12	1.99	0.45
2:cB:125:TYR:O	2:cB:130:ARG:NH1	2.35	0.45
13:c1:264:ILE:HG12	14:c1:502:CLA:HAC1	1.98	0.45
14:c5:507:CLA:H3A	14:c5:507:CLA:HBA1	1.75	0.45
13:U:171:LEU:HD22	14:U:501:CLA:C1D	2.47	0.45
13:U:329:PHE:HA	14:U:508:CLA:HMC1	1.99	0.45
13:V:236:HIS:HE1	14:V:506:CLA:C4D	2.29	0.45
14:Y:501:CLA:C4D	14:Y:503:CLA:H2	2.46	0.45
13:Z:304:THR:O	13:Z:304:THR:CG2	2.56	0.45
13:a:43:ILE:HD11	14:a:512:CLA:HBC3	1.99	0.45
13:a:171:LEU:HD22	14:a:501:CLA:C1D	2.46	0.45
13:a:336:HIS:HE1	14:a:508:CLA:NA	2.15	0.45
14:a:507:CLA:HMD2	14:a:509:CLA:H18	1.98	0.45
13:b:171:LEU:HD22	14:b:501:CLA:C1D	2.47	0.45
13:d:264:ILE:HG12	14:d:502:CLA:HAC1	1.98	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:j:49:GLN:HG2	14:j:509:CLA:HHB	1.97	0.45
13:k:111:HIS:CE1	14:k:503:CLA:NA	2.83	0.45
17:m:521:BCR:H15C	17:m:521:BCR:H351	1.77	0.45
13:o:291:LEU:HD21	13:o:316:ALA:HB2	1.99	0.45
13:o:331:GLN:OE1	14:o:518:CLA:ND	2.50	0.45
14:q:501:CLA:HMB2	17:q:524:BCR:H23C	1.98	0.45
1:aA:12:VAL:HG21	14:aA:1110:CLA:HAA2	1.98	0.45
1:aA:31:PRO:HB2	1:aA:47:TRP:HH2	1.82	0.45
1:aA:587:CYS:HB2	2:aB:674:TRP:HB3	1.98	0.45
14:aA:1122:CLA:H42	14:aA:1137:CLA:H72	1.98	0.45
2:aB:193:HIS:CE1	14:aB:1211:CLA:NA	2.84	0.45
2:aB:661:HIS:NE2	14:aB:1021:CLA:NB	2.65	0.45
2:aB:670:PHE:HA	15:aB:2002:PQN:H9	1.98	0.45
17:aB:4017:BCR:H20C	17:aB:4017:BCR:H361	1.78	0.45
3:aC:52:LYS:NZ	3:aC:67:VAL:O	2.43	0.45
6:aF:116:GLU:HG2	6:aF:119:GLU:HB2	1.99	0.45
13:a1:237:ILE:HG22	13:a1:238:LEU:HD23	1.99	0.45
13:a2:163:PHE:HD1	14:a2:512:CLA:H51	1.80	0.45
14:a2:503:CLA:H152	14:a2:510:CLA:HBB2	1.99	0.45
14:a5:503:CLA:H203	14:a5:503:CLA:H161	1.84	0.45
1:bA:526:MET:HE1	1:bA:617:MET:HE1	1.98	0.45
2:bB:275:HIS:CE1	14:bB:1213:CLA:NA	2.84	0.45
14:bB:1220:CLA:HAB	14:bB:1227:CLA:HMD2	1.98	0.45
14:bB:1227:CLA:HAB	14:bB:1236:CLA:HBB2	1.98	0.45
13:b1:50:ALA:O	13:b1:54:VAL:HG23	2.16	0.45
14:b1:512:CLA:O2D	14:b1:513:CLA:HBB2	2.15	0.45
13:b3:50:ALA:O	13:b3:54:VAL:HG23	2.17	0.45
14:c1:510:CLA:H61	14:c1:510:CLA:H41	1.49	0.45
13:c6:59:ALA:HB2	13:c6:112:LEU:HD13	1.98	0.45
17:c6:524:BCR:H15C	17:c6:524:BCR:H351	1.71	0.45
13:S:275:CYS:O	13:S:315:ARG:NH1	2.44	0.45
14:S:510:CLA:HBB1	14:S:510:CLA:HMB1	1.98	0.45
13:U:324:PHE:CD2	17:U:521:BCR:H10C	2.51	0.45
13:Y:174:LYS:NZ	13:Y:180:GLY:O	2.49	0.45
14:Y:518:CLA:C2	14:Y:518:CLA:H3A	2.46	0.45
13:Z:125:HIS:NE2	14:Z:513:CLA:NB	2.64	0.45
17:b:523:BCR:H11C	17:b:523:BCR:H341	1.82	0.45
13:c:331:GLN:HE22	14:c:518:CLA:HBA1	1.80	0.45
17:f:524:BCR:H15C	17:f:524:BCR:H351	1.72	0.45
13:g:32:ASN:HD21	14:g:511:CLA:C1C	2.29	0.45
17:g:524:BCR:H15C	17:g:524:BCR:H351	1.71	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:m:50:ALA:O	13:m:54:VAL:HG23	2.17	0.45
13:o:46:HIS:CE1	14:o:509:CLA:NB	2.85	0.45
2:aB:60:TRP:HB2	14:aB:1205:CLA:H193	1.98	0.45
6:aF:80:LEU:HA	6:aF:83:ALA:HB2	1.98	0.45
10:aL:21:PRO:HA	10:aL:25:SER:HB3	1.99	0.45
14:a1:501:CLA:C3D	14:a1:503:CLA:H2	2.46	0.45
13:a4:174:LYS:NZ	13:a4:180:GLY:O	2.50	0.45
13:a5:112:LEU:O	13:a5:115:SER:OG	2.29	0.45
1:bA:299:HIS:HE1	14:bA:1115:CLA:C4D	2.30	0.45
4:bD:43:PRO:HD3	4:bD:68:LEU:HD13	1.98	0.45
13:b2:36:VAL:HG22	14:b2:509:CLA:HAC2	1.98	0.45
13:b3:36:VAL:HG22	14:b3:509:CLA:HMC1	1.98	0.45
13:b3:312:HIS:HB2	13:b3:317:TRP:NE1	2.32	0.45
13:b5:241:PRO:HA	14:b5:506:CLA:HED3	1.97	0.45
14:b6:502:CLA:HED2	14:b6:502:CLA:H2A	1.99	0.45
14:cA:1122:CLA:H61	14:cA:1137:CLA:H11	1.98	0.45
2:cB:156:HIS:HE1	14:cB:1208:CLA:C1A	2.29	0.45
13:c2:236:HIS:HE1	14:c2:506:CLA:NA	2.14	0.45
14:c3:505:CLA:H11	14:c3:505:CLA:HBA2	1.75	0.45
13:c5:163:PHE:CD2	14:c5:512:CLA:H51	2.52	0.45
13:T:111:HIS:CE1	14:T:503:CLA:NC	2.83	0.45
13:V:236:HIS:CE1	14:V:506:CLA:NA	2.85	0.45
14:V:510:CLA:H61	14:V:510:CLA:H41	1.57	0.45
17:V:522:BCR:HC7	13:W:323:PHE:HE1	1.81	0.45
13:Y:158:GLY:HA2	13:Y:233:GLY:HA2	1.99	0.45
17:b:524:BCR:H15C	17:b:524:BCR:H351	1.74	0.45
17:b:523:BCR:H15C	17:b:523:BCR:H351	1.73	0.45
14:c:508:CLA:H42	17:c:521:BCR:H272	1.99	0.45
14:c:510:CLA:H112	14:c:510:CLA:H72	1.69	0.45
13:f:33:ALA:HB2	14:f:508:CLA:HAA2	1.98	0.45
17:g:522:BCR:H24C	17:g:522:BCR:H371	1.83	0.45
14:g:517:CLA:H3A	14:g:517:CLA:HBA1	1.46	0.45
13:k:205:TYR:HD2	17:k:524:BCR:H401	1.81	0.45
13:n:46:HIS:NE2	14:n:509:CLA:ND	2.64	0.45
14:o:510:CLA:H41	14:o:510:CLA:H61	1.64	0.45
14:aA:1131:CLA:HED3	14:aA:1237:CLA:H11	1.99	0.45
14:aA:1140:CLA:H3A	14:aA:1140:CLA:HBA2	1.53	0.45
2:aB:156:HIS:HE1	14:aB:1208:CLA:C1A	2.30	0.45
2:aB:203:ARG:NH2	2:aB:253:ALA:O	2.35	0.45
14:aB:1217:CLA:H3A	14:aB:1217:CLA:HBA2	1.41	0.45
14:aB:1221:CLA:HBA1	14:aB:1221:CLA:H3A	1.80	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:aC:15:THR:HG22	3:aC:28:MET:HG3	1.98	0.45
9:aK:19:VAL:HG22	9:aK:70:ALA:HB1	1.99	0.45
14:a5:503:CLA:H172	14:a5:510:CLA:HBB2	1.98	0.45
14:bA:1124:CLA:HBA2	14:bA:1124:CLA:H3A	1.64	0.45
14:bA:1013:CLA:O1A	2:bB:532:LEU:HD11	2.17	0.45
2:bB:158:GLN:HB3	20:bB:1852:SQD:H5	1.98	0.45
2:bB:378:HIS:CE1	14:bB:1224:CLA:ND	2.85	0.45
17:bF:4014:BCR:H15C	17:bF:4014:BCR:H351	1.88	0.45
13:b1:57:ALA:O	13:b1:61:THR:OG1	2.25	0.45
17:b2:521:BCR:H24C	17:b2:521:BCR:H371	1.80	0.45
13:b3:83:PRO:HB3	13:b3:286:PHE:HB3	1.99	0.45
14:b4:502:CLA:H92	14:b4:502:CLA:H61	1.70	0.45
13:b5:175:ALA:HA	13:b5:180:GLY:HA2	1.99	0.45
1:cA:561:ARG:NH2	4:cD:41:GLU:OE1	2.42	0.45
17:cJ:4012:BCR:H11C	17:cJ:4012:BCR:H341	1.75	0.45
14:c1:517:CLA:HBA2	14:c1:517:CLA:H3A	1.72	0.45
13:S:120:ALA:O	14:V:505:CLA:HBA1	2.16	0.45
13:T:241:PRO:HA	14:T:506:CLA:HED3	1.97	0.45
13:W:198:ASP:HB3	13:W:201:VAL:HB	1.99	0.45
13:W:330:LEU:O	13:W:334:LEU:HG	2.16	0.45
13:Z:144:HIS:O	13:Z:152:GLN:NE2	2.42	0.45
13:c:60:PHE:O	13:c:64:GLU:HG2	2.17	0.45
13:e:344:ASN:HD21	13:e:346:LYS:HD2	1.82	0.45
17:f:521:BCR:H15C	17:f:521:BCR:H351	1.76	0.45
17:f:521:BCR:H361	17:f:521:BCR:H20C	1.75	0.45
13:j:33:ALA:HB2	14:j:508:CLA:HAA2	1.99	0.45
13:j:336:HIS:HE1	14:j:508:CLA:NA	2.14	0.45
13:l:62:LEU:HA	13:l:65:ILE:HD12	1.98	0.45
13:l:156:ILE:HG12	14:l:512:CLA:HMC2	1.98	0.45
13:m:344:ASN:HD21	13:m:346:LYS:HD2	1.80	0.45
13:n:205:TYR:HB3	17:n:524:BCR:H391	1.99	0.45
17:n:522:BCR:H351	17:n:522:BCR:H15C	1.70	0.45
13:p:171:LEU:HD22	14:p:501:CLA:C1D	2.47	0.45
13:p:336:HIS:CE1	14:p:508:CLA:NA	2.85	0.45
14:p:508:CLA:CBB	14:p:510:CLA:H3A	2.47	0.45
13:q:215:LEU:H	13:q:215:LEU:HD12	1.82	0.45
1:aA:226:LEU:O	1:aA:231:VAL:HG23	2.17	0.45
1:aA:377:MET:HE3	1:aA:377:MET:HB2	1.90	0.45
1:aA:706:TRP:HH2	14:aB:1228:CLA:HED3	1.81	0.45
14:aA:1117:CLA:H72	14:aA:1117:CLA:H111	1.76	0.45
17:aA:4011:BCR:H20C	17:aA:4011:BCR:H361	1.76	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:aB:4010:BCR:H11C	17:aB:4010:BCR:H341	1.74	0.45
6:aF:50:ASP:HB3	6:aF:53:SER:HB3	1.98	0.45
17:aF:4015:BCR:H361	17:aF:4015:BCR:H20C	1.85	0.45
17:aI:4019:BCR:H401	10:aL:90:ALA:HB1	1.99	0.45
13:a1:200:PHE:HA	13:a1:203:TYR:HB3	1.99	0.45
1:bA:380:TYR:OH	14:bA:1127:CLA:OBD	2.25	0.45
14:bA:1138:CLA:H203	14:bA:1139:CLA:H62	1.99	0.45
2:bB:638:LEU:HD22	2:bB:731:PHE:HA	1.99	0.45
14:bB:1203:CLA:H162	14:bB:1203:CLA:H141	1.68	0.45
13:b1:192:ILE:HG23	13:b1:216:GLU:HG2	1.99	0.45
13:b6:264:ILE:HG12	14:b6:502:CLA:HAC1	1.98	0.45
14:c1:516:CLA:H62	14:c1:516:CLA:H41	1.87	0.45
14:c4:505:CLA:H92	14:c4:505:CLA:H61	1.73	0.45
13:c5:317:TRP:CZ2	14:c5:504:CLA:HBA1	2.51	0.45
14:T:517:CLA:HBA1	14:T:517:CLA:H3A	1.49	0.45
13:W:270:VAL:HG11	14:W:501:CLA:H92	1.98	0.45
13:X:95:GLY:HA2	13:X:187:GLN:HB3	1.99	0.45
14:Y:502:CLA:H91	14:Y:502:CLA:H112	1.75	0.45
14:b:510:CLA:H61	14:b:510:CLA:H41	1.66	0.45
17:c:524:BCR:H11C	17:c:524:BCR:H341	1.72	0.45
13:j:32:ASN:HD21	14:j:511:CLA:C1C	2.30	0.45
13:p:273:TYR:CZ	17:q:523:BCR:HC41	2.52	0.45
1:aA:601:TRP:HE1	14:aB:1023:CLA:C1D	2.30	0.45
14:aA:1123:CLA:H161	14:aA:1123:CLA:H202	1.71	0.45
14:aB:1214:CLA:H91	14:aB:1214:CLA:H111	1.62	0.45
14:aB:1222:CLA:HAA2	14:aB:1223:CLA:OBD	2.17	0.45
6:aF:32:LYS:O	6:aF:38:GLN:NE2	2.45	0.45
14:a3:502:CLA:H12	14:a3:503:CLA:H42	1.98	0.45
17:a4:521:BCR:H24C	17:a4:521:BCR:H371	1.77	0.45
1:bA:211:ALA:O	14:bA:1112:CLA:HMC3	2.17	0.45
17:bB:4017:BCR:H20C	17:bB:4017:BCR:H361	1.78	0.45
14:b1:518:CLA:H61	14:b1:518:CLA:H41	1.77	0.45
13:b3:161:LEU:HD22	13:b3:229:LEU:HD22	1.99	0.45
13:b3:329:PHE:HA	14:b3:508:CLA:HMC2	1.98	0.45
13:b4:169:LEU:HG	13:b4:226:ALA:HB1	1.97	0.45
17:b4:522:BCR:H11C	17:b4:522:BCR:H341	1.79	0.45
13:b5:291:LEU:HB3	13:b5:301:PHE:HB3	1.99	0.45
1:cA:398:MET:HE2	1:cA:609:VAL:HG11	1.99	0.45
14:cA:1139:CLA:HAB	15:cA:2001:PQN:H171	1.99	0.45
15:cA:2001:PQN:H142	15:cA:2001:PQN:H112	1.74	0.45
2:cB:43:TYR:CE2	2:cB:334:LEU:HD21	2.52	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:cB:196:HIS:CE1	14:cB:1212:CLA:NA	2.85	0.45
2:cB:555:PRO:HD2	3:cC:62:PHE:CE1	2.52	0.45
14:cB:1222:CLA:CHB	14:cB:1236:CLA:HAA2	2.46	0.45
17:cF:4015:BCR:H402	14:cJ:1303:CLA:HMD2	1.98	0.45
17:c2:522:BCR:H15C	17:c2:522:BCR:H351	1.72	0.45
17:c2:522:BCR:H371	17:c2:522:BCR:H24C	1.86	0.45
14:c3:501:CLA:C2D	14:c3:503:CLA:H2	2.47	0.45
17:c5:521:BCR:H15C	17:c5:521:BCR:H351	1.75	0.45
13:c6:333:HIS:NE2	14:c6:505:CLA:NC	2.65	0.45
17:Y:523:BCR:H15C	17:Y:523:BCR:H351	1.74	0.45
13:d:161:LEU:HD22	13:d:229:LEU:HD22	1.99	0.45
13:e:133:LEU:HD22	13:e:140:ALA:HB1	1.98	0.45
17:e:524:BCR:H351	17:e:524:BCR:H15C	1.71	0.45
13:g:53:SER:HA	14:g:510:CLA:HMC2	1.98	0.45
13:h:67:GLN:NE2	14:h:504:CLA:HED3	2.31	0.45
13:i:125:HIS:CE1	14:i:513:CLA:NB	2.85	0.45
13:i:171:LEU:HD22	14:i:501:CLA:C1D	2.47	0.45
17:k:522:BCR:H15C	17:k:522:BCR:H351	1.73	0.45
13:m:291:LEU:HB3	13:m:301:PHE:HB3	1.99	0.45
13:n:291:LEU:HD11	13:n:316:ALA:HA	1.99	0.45
13:n:322:HIS:CD2	14:n:502:CLA:ND	2.85	0.45
17:o:524:BCR:H11C	17:o:524:BCR:H341	1.73	0.45
13:p:122:ALA:O	13:p:126:THR:OG1	2.26	0.45
1:aA:86:TRP:NE1	14:aA:1126:CLA:OBD	2.49	0.45
14:aA:1117:CLA:H8	14:aA:1117:CLA:HAB	1.99	0.45
14:aA:1013:CLA:HMD3	2:aB:540:ILE:HG12	1.99	0.45
14:a1:503:CLA:H102	14:a1:503:CLA:H13	1.81	0.45
14:a2:503:CLA:H203	14:a2:503:CLA:H161	1.73	0.45
14:a3:510:CLA:H71	17:a3:521:BCR:H19C	1.99	0.45
14:a5:503:CLA:H62	14:a5:503:CLA:H101	1.60	0.45
1:bA:256:VAL:HG21	1:bA:278:PHE:HE1	1.82	0.45
14:bA:1140:CLA:H192	14:bF:1301:CLA:HBB1	1.99	0.45
14:bA:1013:CLA:HMD3	2:bB:540:ILE:HG12	1.99	0.45
2:bB:270:LEU:HD23	2:bB:273:MET:HE3	1.98	0.45
13:b1:102:TYR:CE2	21:b1:5104:LMG:HC1	2.52	0.45
14:cA:1113:CLA:C3B	17:cK:4001:BCR:H333	2.47	0.45
19:cA:1849:LMU:H62	19:cA:1849:LMU:H91	1.84	0.45
17:cB:4010:BCR:H15C	17:cB:4010:BCR:H351	1.74	0.45
13:c2:128:ARG:HB2	13:c3:341:MET:HE3	1.98	0.45
13:c5:72:LEU:O	13:c5:77:GLN:NE2	2.50	0.45
17:S:524:BCR:H15C	17:S:524:BCR:H351	1.70	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:T:161:LEU:HD22	13:T:229:LEU:HD22	1.98	0.45
13:U:264:ILE:HG12	14:U:502:CLA:HAC1	1.98	0.45
14:U:509:CLA:H3A	14:U:509:CLA:HBA1	1.75	0.45
13:X:276:ALA:HA	13:X:291:LEU:HD12	1.97	0.45
14:Z:501:CLA:H41	14:Z:501:CLA:H61	1.70	0.45
13:a:32:ASN:OD1	14:a:511:CLA:NC	2.50	0.45
13:a:128:ARG:HB2	13:b:341:MET:HE3	1.99	0.45
13:a:221:GLY:C	17:a:524:BCR:H383	2.41	0.45
13:c:158:GLY:HA2	13:c:233:GLY:HA2	1.99	0.45
14:e:508:CLA:CBB	14:e:510:CLA:H3A	2.47	0.45
13:f:215:LEU:HD11	13:f:280:LEU:HD11	1.98	0.45
13:o:171:LEU:HD22	14:o:501:CLA:C1D	2.47	0.45
13:o:329:PHE:HA	14:o:508:CLA:HMC1	1.99	0.45
17:p:522:BCR:H341	17:p:522:BCR:H11C	1.77	0.45
14:q:509:CLA:H3A	14:q:509:CLA:HBA1	1.70	0.45
14:aA:1118:CLA:HBB2	17:aA:4002:BCR:H382	1.98	0.44
14:aB:1227:CLA:H3A	14:aB:1227:CLA:HBA2	1.49	0.44
17:aI:4018:BCR:H351	17:aI:4018:BCR:H15C	1.68	0.44
17:aI:4019:BCR:H351	17:aI:4019:BCR:H15C	1.76	0.44
13:a2:50:ALA:O	13:a2:54:VAL:HG23	2.17	0.44
13:a3:57:ALA:O	13:a3:61:THR:OG1	2.32	0.44
13:a4:322:HIS:CD2	14:a4:502:CLA:ND	2.85	0.44
14:a4:508:CLA:H101	14:a4:510:CLA:H51	1.99	0.44
17:a4:524:BCR:H351	17:a4:524:BCR:H15C	1.73	0.44
13:a5:264:ILE:HG12	14:a5:502:CLA:HAC1	1.98	0.44
14:bB:1207:CLA:HBB1	14:bB:1207:CLA:HHC	1.98	0.44
14:bB:1235:CLA:H62	14:bB:1235:CLA:H2	1.65	0.44
13:b1:26:TYR:O	13:b1:34:ARG:NH2	2.43	0.44
13:b1:221:GLY:C	17:b1:524:BCR:H383	2.42	0.44
13:b1:336:HIS:CE1	14:b1:508:CLA:NA	2.85	0.44
14:b5:503:CLA:HBB1	14:b5:512:CLA:H43	1.98	0.44
1:cA:215:HIS:HB2	14:cA:1112:CLA:CHC	2.47	0.44
2:cB:345:LEU:O	2:cB:349:THR:OG1	2.28	0.44
14:cB:1222:CLA:HAA2	14:cB:1223:CLA:OBD	2.17	0.44
13:c1:57:ALA:O	13:c1:61:THR:OG1	2.23	0.44
13:c1:80:ILE:HB	13:c1:318:LEU:HD21	1.99	0.44
14:c1:503:CLA:H101	14:c1:503:CLA:H62	1.71	0.44
14:c2:510:CLA:H141	14:c2:510:CLA:H162	1.80	0.44
13:c4:162:LEU:HD12	13:c4:230:ILE:HG12	1.98	0.44
13:c4:264:ILE:HG12	14:c4:502:CLA:HAC1	1.99	0.44
13:V:336:HIS:CE1	14:V:508:CLA:NA	2.85	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:b:521:BCR:H371	17:b:521:BCR:H24C	1.79	0.44
13:g:331:GLN:NE2	14:g:518:CLA:O1A	2.49	0.44
17:k:523:BCR:H351	17:k:523:BCR:H15C	1.75	0.44
13:l:41:LEU:HB3	14:l:511:CLA:HMA1	1.99	0.44
13:o:79:LEU:HD13	13:o:82:LEU:HD12	1.99	0.44
1:aA:58:PHE:HE1	14:aA:1102:CLA:HED1	1.82	0.44
14:aA:1107:CLA:CBB	17:aJ:4012:BCR:HC8	2.36	0.44
2:aB:60:TRP:NE1	14:aB:1224:CLA:OBD	2.50	0.44
2:aB:473:LYS:HE2	2:aB:475:LEU:HD11	1.99	0.44
10:aL:132:SER:OG	17:aL:4022:BCR:H19C	2.17	0.44
13:a1:25:LYS:O	20:a1:822:SQD:O4	2.36	0.44
14:a1:512:CLA:O2D	14:a1:513:CLA:HBB2	2.17	0.44
13:a4:329:PHE:CE1	14:a4:510:CLA:H102	2.51	0.44
14:a4:503:CLA:H203	14:a4:503:CLA:H161	1.76	0.44
17:bF:4015:BCR:H371	17:bF:4015:BCR:H24C	1.85	0.44
17:bM:4021:BCR:H15C	17:bM:4021:BCR:H351	1.85	0.44
13:b1:236:HIS:HE1	14:b1:506:CLA:C1A	2.30	0.44
13:b2:111:HIS:CE1	21:b2:5104:LMG:H372	2.52	0.44
13:b2:295:LEU:HD12	13:b2:299:PRO:HG3	1.99	0.44
13:b2:308:PRO:HB2	13:b2:309:LEU:HD12	1.99	0.44
13:b3:194:GLN:HG3	13:p:311:GLN:HG2	2.00	0.44
14:b3:501:CLA:H122	14:b3:507:CLA:H8	2.00	0.44
13:b5:236:HIS:CE1	14:b5:506:CLA:NC	2.81	0.44
14:b5:502:CLA:HBA2	14:b5:503:CLA:H171	2.00	0.44
14:b6:510:CLA:H92	14:b6:510:CLA:H41	1.99	0.44
1:cA:196:MET:HB2	14:cA:1111:CLA:HBC2	1.99	0.44
14:cA:1237:CLA:HMC2	14:cB:1238:CLA:H11	1.99	0.44
17:cA:4002:BCR:H361	17:cA:4002:BCR:H20C	1.79	0.44
2:cB:76:GLN:OE1	2:cB:76:GLN:N	2.43	0.44
2:cB:340:TRP:HE1	14:cB:1221:CLA:HMB2	1.81	0.44
2:cB:683:GLU:HG2	3:cC:81:TYR:HE1	1.82	0.44
14:c3:510:CLA:H72	14:c3:510:CLA:H112	1.71	0.44
13:c4:50:ALA:O	13:c4:54:VAL:HG23	2.16	0.44
13:c4:278:ASN:HD21	13:c4:281:ALA:H	1.65	0.44
13:c5:30:ALA:HB1	14:c5:508:CLA:HED3	1.99	0.44
13:T:336:HIS:HE1	14:T:508:CLA:NA	2.16	0.44
17:T:521:BCR:H15C	17:T:521:BCR:H351	1.75	0.44
13:W:329:PHE:HA	14:W:508:CLA:HMC1	1.98	0.44
17:X:522:BCR:H351	17:X:522:BCR:H15C	1.68	0.44
17:Y:524:BCR:H351	17:Y:524:BCR:H15C	1.71	0.44
13:Z:241:PRO:HA	14:Z:506:CLA:HED3	1.99	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:b:33:ALA:HB2	14:b:508:CLA:HAA2	1.99	0.44
13:c:80:ILE:C	13:c:83:PRO:HD2	2.41	0.44
17:e:524:BCR:H11C	17:e:524:BCR:H341	1.66	0.44
14:g:502:CLA:HED2	14:g:502:CLA:H2A	1.99	0.44
13:h:331:GLN:NE2	14:h:518:CLA:O1A	2.50	0.44
17:h:523:BCR:H351	17:h:523:BCR:H15C	1.72	0.44
13:i:95:GLY:HA2	13:i:187:GLN:HB3	1.99	0.44
13:j:125:HIS:CE1	14:j:513:CLA:NA	2.84	0.44
13:m:291:LEU:HD21	13:m:316:ALA:HB2	1.99	0.44
13:n:156:ILE:HG12	14:n:512:CLA:HMC2	1.98	0.44
13:o:291:LEU:HG	13:o:315:ARG:HD2	1.98	0.44
13:o:291:LEU:HD11	13:o:316:ALA:HA	1.99	0.44
13:q:245:ALA:HB1	14:q:506:CLA:HAA1	1.99	0.44
13:q:266:LEU:HD21	14:q:517:CLA:HBB1	1.99	0.44
1:aA:267:PHE:CZ	17:aK:4001:BCR:H343	2.53	0.44
1:aA:363:MET:HE1	14:aA:1127:CLA:HBC3	1.98	0.44
14:aA:1129:CLA:HAB	14:aA:1137:CLA:HBB2	1.99	0.44
14:aA:1140:CLA:H142	14:aA:1140:CLA:H111	1.79	0.44
14:aL:1501:CLA:CBB	17:aL:4022:BCR:HC7	2.46	0.44
13:a1:112:LEU:O	13:a1:115:SER:OG	2.32	0.44
14:a4:503:CLA:H193	14:a4:510:CLA:HAB	1.99	0.44
14:bA:1107:CLA:H92	14:bA:1107:CLA:H61	1.80	0.44
2:bB:499:VAL:HG11	14:bB:1213:CLA:HED2	1.99	0.44
2:bB:565:PRO:HB3	2:bB:709:ILE:HB	2.00	0.44
17:b5:524:BCR:H20C	17:b5:524:BCR:H361	1.88	0.44
13:b6:151:LYS:NZ	13:k:353:ASN:O	2.43	0.44
1:cA:58:PHE:HE1	14:cA:1102:CLA:HED1	1.83	0.44
1:cA:101:GLU:HG3	1:cA:155:GLU:HG3	2.00	0.44
1:cA:211:ALA:HA	14:cA:1113:CLA:HBB2	2.00	0.44
14:cA:1237:CLA:H91	17:cI:4019:BCR:H392	1.99	0.44
14:c1:508:CLA:H43	14:c1:511:CLA:HAC1	2.00	0.44
13:c2:320:ASN:HB3	17:c2:521:BCR:HC8	1.99	0.44
14:c4:510:CLA:H112	14:c4:510:CLA:H72	1.60	0.44
13:c5:83:PRO:HB3	13:c5:286:PHE:HB3	1.99	0.44
13:c5:102:TYR:OH	13:c6:207:THR:O	2.34	0.44
13:c5:347:GLN:HA	13:c5:350:THR:HB	1.99	0.44
13:Y:125:HIS:HE1	14:Y:513:CLA:NA	2.15	0.44
14:b:505:CLA:H51	17:b:524:BCR:H342	2.00	0.44
13:d:160:HIS:NE2	14:d:512:CLA:NA	2.66	0.44
13:d:329:PHE:HA	14:d:508:CLA:HMC1	1.98	0.44
17:e:521:BCR:H20C	17:e:521:BCR:H361	1.77	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:i:322:HIS:NE2	14:i:502:CLA:ND	2.65	0.44
13:j:36:VAL:HG22	14:j:509:CLA:HMC3	2.00	0.44
13:k:287:TYR:HB3	13:k:315:ARG:HB2	1.98	0.44
13:n:124:PHE:HD2	13:n:125:HIS:HD1	1.65	0.44
13:n:125:HIS:CE1	14:n:513:CLA:ND	2.79	0.44
13:p:158:GLY:HA3	13:p:237:ILE:HG13	1.98	0.44
13:q:228:LEU:HG	14:q:506:CLA:HMC3	1.98	0.44
1:aA:670:SER:HB3	2:aB:449:ALA:HB1	1.99	0.44
14:aA:1119:CLA:C10	17:aA:4008:BCR:H10C	2.48	0.44
2:aB:555:PRO:HG2	3:aC:62:PHE:CE2	2.53	0.44
17:aI:4019:BCR:H20C	17:aI:4019:BCR:H361	1.87	0.44
14:a3:511:CLA:H62	17:a3:522:BCR:H292	1.99	0.44
13:a6:163:PHE:CE2	14:a6:512:CLA:HHB	2.52	0.44
14:bA:1106:CLA:HBA2	14:bA:1106:CLA:H3A	1.37	0.44
18:bA:5003:LHG:H141	18:bA:5003:LHG:H172	1.83	0.44
13:b4:192:ILE:HD11	13:b4:215:LEU:HD23	1.99	0.44
13:b5:266:LEU:HD13	14:b5:505:CLA:H122	1.99	0.44
14:b6:516:CLA:HBA1	14:b6:516:CLA:H3A	1.68	0.44
1:cA:580:GLY:HA2	2:cB:569:PRO:HD3	2.00	0.44
1:cA:683:TRP:HZ3	14:cB:1012:CLA:HMD3	1.83	0.44
14:cA:1115:CLA:H41	14:cA:1115:CLA:H62	1.43	0.44
2:cB:275:HIS:CE1	14:cB:1213:CLA:NA	2.85	0.44
2:cB:344:CYS:HB3	14:cB:1221:CLA:H42	2.00	0.44
14:cB:1205:CLA:HBA2	14:cB:1205:CLA:H141	1.99	0.44
17:c1:522:BCR:H15C	17:c1:522:BCR:H351	1.73	0.44
14:c6:501:CLA:C3D	14:c6:503:CLA:H2	2.47	0.44
13:S:320:ASN:HB3	17:S:521:BCR:HC8	2.00	0.44
14:W:504:CLA:H41	14:W:504:CLA:H61	1.82	0.44
14:Z:510:CLA:H192	14:Z:510:CLA:H162	1.79	0.44
14:Z:518:CLA:H3A	14:Z:518:CLA:O2A	2.18	0.44
13:c:150:PRO:HB2	13:c:241:PRO:HD2	1.99	0.44
13:c:171:LEU:HD22	14:c:501:CLA:C1D	2.48	0.44
13:c:297:ILE:O	14:c:519:CLA:ND	2.51	0.44
13:f:90:PHE:O	13:f:104:TYR:OH	2.34	0.44
13:f:349:GLU:HA	13:f:352:LEU:HD12	2.00	0.44
13:i:33:ALA:HB2	14:i:508:CLA:HAA2	1.99	0.44
13:i:336:HIS:HE1	14:i:508:CLA:NA	2.14	0.44
17:j:522:BCR:H15C	17:j:522:BCR:H351	1.70	0.44
14:n:519:CLA:HBA1	14:n:519:CLA:H3A	1.56	0.44
13:o:34:ARG:NH1	14:o:511:CLA:OBD	2.50	0.44
13:p:125:HIS:CE1	14:p:513:CLA:NA	2.86	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:p:174:LYS:HA	13:p:178:TRP:HB2	1.99	0.44
2:aB:275:HIS:CE1	14:aB:1213:CLA:NA	2.86	0.44
14:aB:1208:CLA:H2	19:aB:1843:LMU:H41	1.99	0.44
14:aB:1210:CLA:H152	14:aB:1210:CLA:H111	1.74	0.44
6:aF:45:VAL:O	6:aF:57:ARG:NH2	2.32	0.44
17:aF:4016:BCR:H11C	17:aF:4016:BCR:H341	1.71	0.44
13:a2:248:LEU:HD13	17:a2:524:BCR:HC32	1.99	0.44
13:a5:304:THR:O	13:a5:304:THR:CG2	2.65	0.44
13:a6:112:LEU:O	13:a6:115:SER:OG	2.34	0.44
17:a6:522:BCR:H15C	17:a6:522:BCR:H351	1.78	0.44
1:bA:118:TRP:HB3	17:bJ:4013:BCR:H323	1.99	0.44
1:bA:341:HIS:NE2	14:bA:1122:CLA:ND	2.65	0.44
14:bA:1123:CLA:H62	14:bA:1123:CLA:H2	1.73	0.44
17:bB:4010:BCR:H11C	17:bB:4010:BCR:H341	1.74	0.44
13:b1:200:PHE:CE2	17:c:521:BCR:HC7	2.53	0.44
14:b2:501:CLA:H162	14:b2:507:CLA:H111	1.99	0.44
17:b3:523:BCR:H332	13:b4:209:PHE:HZ	1.82	0.44
13:b4:36:VAL:HG22	14:b4:509:CLA:HMC1	1.99	0.44
1:cA:28:TRP:HZ2	14:cA:1102:CLA:H11	1.81	0.44
14:cA:1110:CLA:HBB2	14:cA:1118:CLA:H111	1.99	0.44
14:cA:1123:CLA:H202	14:cA:1123:CLA:H161	1.69	0.44
14:cA:1237:CLA:HAB	2:cB:698:VAL:HG11	2.00	0.44
2:cB:341:HIS:CD2	14:cB:1221:CLA:HAA1	2.53	0.44
8:cJ:8:LEU:HA	8:cJ:13:VAL:HG11	1.99	0.44
19:cJ:5105:LMU:H61	17:c3:521:BCR:H401	2.00	0.44
13:c1:49:GLN:HG2	14:c1:509:CLA:HHB	1.99	0.44
13:c2:287:TYR:HB3	13:c2:315:ARG:HB2	1.99	0.44
13:c4:175:ALA:HA	13:c4:180:GLY:HA2	1.99	0.44
14:c4:503:CLA:H111	14:c4:503:CLA:H91	1.79	0.44
14:c4:509:CLA:H62	14:c4:509:CLA:H92	1.74	0.44
13:T:246:ARG:HA	13:T:251:PHE:HE1	1.82	0.44
14:T:512:CLA:HBA1	14:T:512:CLA:H3A	1.57	0.44
13:V:80:ILE:C	13:V:83:PRO:HD2	2.42	0.44
13:V:242:LEU:HB2	13:V:244:TRP:CD1	2.53	0.44
14:W:503:CLA:H102	14:W:503:CLA:H13	1.80	0.44
14:W:505:CLA:H92	14:W:505:CLA:H62	1.82	0.44
13:Y:117:VAL:HG22	14:Z:505:CLA:H61	1.99	0.44
13:Y:322:HIS:CD2	14:Y:502:CLA:ND	2.86	0.44
13:Z:117:VAL:HG22	14:a:505:CLA:H61	2.00	0.44
17:d:522:BCR:H351	17:d:522:BCR:H15C	1.64	0.44
13:e:236:HIS:NE2	14:e:506:CLA:ND	2.64	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:l:77:GLN:HB3	13:l:79:LEU:HD13	1.99	0.44
13:l:325:LEU:HB3	14:l:502:CLA:HBC2	1.99	0.44
17:l:524:BCR:H351	17:l:524:BCR:H15C	1.70	0.44
1:aA:196:MET:HB2	14:aA:1111:CLA:HBC2	2.00	0.44
14:aB:1012:CLA:HMA1	14:aB:1021:CLA:H162	2.00	0.44
13:a1:106:VAL:HG11	21:a1:5104:LMG:H112	1.99	0.44
13:a1:229:LEU:O	13:a1:233:GLY:N	2.45	0.44
13:a1:322:HIS:CD2	14:a1:502:CLA:ND	2.86	0.44
14:a1:503:CLA:H101	14:a1:503:CLA:H62	1.76	0.44
14:a2:512:CLA:O2D	14:a2:513:CLA:HBB2	2.18	0.44
1:bA:218:HIS:NE2	14:bA:1113:CLA:NA	2.65	0.44
1:bA:399:TRP:CD1	14:bA:1126:CLA:HAB	2.53	0.44
14:bA:1135:CLA:H3A	14:bA:1136:CLA:HAA2	1.99	0.44
14:bA:1022:CLA:H13	17:bB:4017:BCR:H10C	1.99	0.44
2:bB:43:TYR:CE2	2:bB:334:LEU:HD21	2.53	0.44
2:bB:299:HIS:HE1	14:bB:1218:CLA:NA	2.14	0.44
13:b2:236:HIS:HE1	14:b2:506:CLA:C1A	2.31	0.44
13:b5:32:ASN:HD21	14:b5:511:CLA:C1C	2.31	0.44
13:b5:65:ILE:HD11	13:b5:104:TYR:HB2	1.99	0.44
13:b5:163:PHE:HD1	14:b5:512:CLA:H51	1.82	0.44
13:b5:303:ASP:OD1	13:b5:313:THR:OG1	2.28	0.44
17:b5:523:BCR:H15C	17:b5:523:BCR:H351	1.74	0.44
13:b6:344:ASN:O	13:b6:347:GLN:HG2	2.18	0.44
14:b6:509:CLA:H141	14:b6:509:CLA:H162	1.84	0.44
17:b6:523:BCR:H361	17:b6:523:BCR:H20C	1.83	0.44
1:cA:300:HIS:CE1	14:cA:1116:CLA:NC	2.85	0.44
14:cA:1117:CLA:H72	14:cA:1117:CLA:H111	1.72	0.44
14:cB:1225:CLA:HBA2	14:cB:1225:CLA:H3A	1.60	0.44
14:cF:1301:CLA:HBC2	8:cJ:19:MET:HE1	2.00	0.44
17:cI:4019:BCR:H401	10:cL:90:ALA:HB1	1.99	0.44
13:c1:215:LEU:H	13:c1:215:LEU:HD12	1.83	0.44
14:c1:501:CLA:C4D	14:c1:503:CLA:H2	2.48	0.44
13:c4:125:HIS:HE1	14:c4:513:CLA:NA	2.15	0.44
14:c4:503:CLA:H62	14:c4:503:CLA:H102	1.87	0.44
14:c4:517:CLA:H3A	14:c4:517:CLA:HBA1	1.40	0.44
14:c4:517:CLA:HED2	17:c4:524:BCR:H361	1.99	0.44
13:V:160:HIS:NE2	14:V:512:CLA:NA	2.65	0.44
13:d:304:THR:O	13:d:304:THR:CG2	2.60	0.44
17:d:524:BCR:H351	17:d:524:BCR:H15C	1.68	0.44
13:g:160:HIS:NE2	14:g:512:CLA:NA	2.65	0.44
13:j:83:PRO:HB3	13:j:286:PHE:HB3	2.00	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:l:522:BCR:H11C	17:l:522:BCR:H341	1.75	0.44
17:m:522:BCR:H11C	17:m:522:BCR:H341	1.81	0.44
13:n:79:LEU:HD13	13:n:82:LEU:HD12	2.00	0.44
17:p:521:BCR:H24C	17:p:521:BCR:H371	1.78	0.44
13:q:150:PRO:HB2	13:q:241:PRO:HD2	1.99	0.44
17:q:521:BCR:H11C	17:q:521:BCR:H341	1.83	0.44
1:aA:299:HIS:HE1	14:aA:1115:CLA:C4D	2.30	0.44
1:aA:400:ILE:HG23	14:aA:1104:CLA:H143	2.00	0.44
1:aA:650:LEU:HD22	2:aB:658:LEU:HD21	1.99	0.44
14:aA:1101:CLA:H112	14:aA:1101:CLA:H143	1.73	0.44
14:aA:1137:CLA:H92	14:aA:1137:CLA:H61	1.85	0.44
2:aB:665:ALA:HB3	14:aB:1023:CLA:HBB2	2.00	0.44
8:aJ:20:THR:HG23	17:aJ:4013:BCR:H351	1.99	0.44
17:aL:4022:BCR:H11C	17:aL:4022:BCR:H341	1.86	0.44
17:a1:523:BCR:H20C	17:a1:523:BCR:H361	1.89	0.44
14:a4:518:CLA:H3A	14:a4:518:CLA:O2A	2.18	0.44
13:a5:329:PHE:HE1	14:a5:510:CLA:H102	1.82	0.44
14:bA:1125:CLA:H141	14:bA:1125:CLA:H162	1.76	0.44
2:bB:397:PHE:HA	2:bB:401:ASP:HB2	1.99	0.44
14:bB:1201:CLA:O1A	11:bM:31:LYS:HB2	2.17	0.44
14:bB:1214:CLA:H161	14:bB:1214:CLA:H122	1.40	0.44
14:bB:1231:CLA:H62	14:bB:1231:CLA:H2	1.75	0.44
17:bJ:4013:BCR:H361	17:bJ:4013:BCR:H20C	1.76	0.44
17:b2:522:BCR:HC7	13:b3:323:PHE:HE1	1.82	0.44
14:b3:501:CLA:C2D	14:b3:503:CLA:H2	2.48	0.44
14:b6:518:CLA:H3A	14:b6:518:CLA:O2A	2.18	0.44
14:cA:1101:CLA:HMA3	14:cA:1106:CLA:H191	1.98	0.44
14:cA:1117:CLA:H92	14:cA:1127:CLA:H91	1.98	0.44
2:cB:378:HIS:CE1	14:cB:1224:CLA:ND	2.85	0.44
14:c1:505:CLA:H43	17:c1:524:BCR:HC7	2.00	0.44
14:c2:501:CLA:C2D	14:c2:503:CLA:H2	2.48	0.44
13:c4:322:HIS:CD2	14:c4:502:CLA:ND	2.86	0.44
17:c4:524:BCR:H11C	17:c4:524:BCR:H341	1.84	0.44
14:S:517:CLA:H3A	14:S:517:CLA:HBA1	1.46	0.44
17:T:524:BCR:H351	17:T:524:BCR:H15C	1.70	0.44
13:X:264:ILE:HG12	14:X:502:CLA:HAC1	1.99	0.44
13:Y:208:HIS:HB2	13:Y:211:SER:HB3	2.00	0.44
13:Z:150:PRO:HB2	13:Z:241:PRO:HD2	1.99	0.44
17:k:521:BCR:H361	17:k:521:BCR:H20C	1.83	0.44
13:n:16:LEU:HG	13:n:36:VAL:HG21	2.00	0.44
17:n:522:BCR:H11C	17:n:522:BCR:H341	1.77	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:n:521:BCR:H361	17:n:521:BCR:H20C	1.76	0.44
17:o:524:BCR:H351	17:o:524:BCR:H15C	1.72	0.44
1:aA:552:ILE:HG12	14:aB:1023:CLA:HMD3	2.00	0.44
14:aA:1113:CLA:C3B	17:aK:4001:BCR:H333	2.48	0.44
14:aB:1230:CLA:HBA2	8:aJ:36:LEU:O	2.18	0.44
17:a2:523:BCR:H15C	17:a2:523:BCR:H351	1.76	0.44
13:a3:32:ASN:OD1	14:a3:511:CLA:NC	2.50	0.44
17:a6:523:BCR:H11C	17:a6:523:BCR:H341	1.81	0.44
14:bA:1128:CLA:H61	14:bA:1128:CLA:H92	1.82	0.44
14:bB:1218:CLA:H2	14:bB:1218:CLA:H61	1.81	0.44
13:b3:282:TYR:O	13:b3:315:ARG:NH2	2.34	0.44
14:b6:506:CLA:HAB	14:b6:507:CLA:H102	2.00	0.44
1:cA:31:PRO:HB2	1:cA:47:TRP:HH2	1.82	0.44
1:cA:226:LEU:O	1:cA:231:VAL:HG23	2.17	0.44
17:cA:4002:BCR:H15C	17:cA:4002:BCR:H351	1.79	0.44
2:cB:362:TYR:OH	14:cB:1225:CLA:OBD	2.29	0.44
13:c1:333:HIS:NE2	14:c1:505:CLA:NC	2.66	0.44
14:c1:512:CLA:O2D	14:c1:513:CLA:HBB2	2.18	0.44
17:c1:524:BCR:H15C	17:c1:524:BCR:H351	1.72	0.44
14:c3:509:CLA:H3A	14:c3:509:CLA:HBA1	1.66	0.44
13:c4:49:GLN:HG2	14:c4:509:CLA:HHB	2.00	0.44
13:c4:246:ARG:HA	13:c4:251:PHE:HE2	1.83	0.44
13:c6:303:ASP:OD1	13:c6:304:THR:N	2.47	0.44
13:S:156:ILE:HG21	14:S:509:CLA:H191	2.00	0.44
13:V:79:LEU:HD13	13:V:82:LEU:HD12	2.00	0.44
13:V:125:HIS:CE1	14:V:513:CLA:NA	2.84	0.44
13:W:150:PRO:HB2	13:W:241:PRO:HG2	1.99	0.44
14:X:505:CLA:HBC2	17:X:524:BCR:H341	2.00	0.44
17:Y:521:BCR:H351	17:Y:521:BCR:H15C	1.75	0.44
13:b:41:LEU:HB3	14:b:511:CLA:HMA1	1.99	0.44
13:d:47:VAL:HG22	14:d:512:CLA:HED1	2.00	0.44
17:g:522:BCR:H11C	17:g:522:BCR:H341	1.81	0.44
14:g:501:CLA:H41	14:g:501:CLA:H61	1.71	0.44
17:k:524:BCR:H341	17:k:524:BCR:H11C	1.80	0.44
13:l:336:HIS:CE1	14:l:508:CLA:NA	2.86	0.44
13:l:341:MET:SD	14:l:505:CLA:H2A	2.58	0.44
13:n:132:ASP:OD2	13:n:134:SER:OG	2.23	0.44
13:o:54:VAL:HG13	13:o:111:HIS:CD2	2.49	0.44
13:p:32:ASN:HD21	14:p:511:CLA:C1C	2.30	0.44
17:q:523:BCR:H351	17:q:523:BCR:H15C	1.74	0.44
1:aA:14:VAL:HG13	1:aA:189:TRP:CD1	2.53	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:aA:217:ILE:HA	1:aA:221:LEU:HD12	2.00	0.44
1:aA:380:TYR:OH	14:aA:1127:CLA:OBD	2.24	0.44
14:aA:1105:CLA:H12	14:aA:1107:CLA:H2	2.00	0.44
17:aA:4008:BCR:H20C	17:aA:4008:BCR:H361	1.81	0.44
14:aA:1237:CLA:HMC2	14:aB:1238:CLA:H11	2.00	0.44
14:aB:1220:CLA:CAD	14:aB:1221:CLA:HAB	2.48	0.44
10:aL:35:LEU:O	10:aL:39:ARG:N	2.50	0.44
13:a1:322:HIS:NE2	14:a1:502:CLA:NA	2.66	0.44
13:a2:161:LEU:HD22	13:a2:229:LEU:HD22	2.00	0.44
13:a5:236:HIS:HE1	14:a5:506:CLA:C1A	2.30	0.44
14:bA:1105:CLA:H2	14:bA:1105:CLA:H61	1.70	0.44
17:bA:4007:BCR:H11C	17:bA:4007:BCR:H341	1.80	0.44
17:bA:4008:BCR:H11C	17:bA:4008:BCR:H341	1.89	0.44
14:bB:1221:CLA:H92	14:bB:1221:CLA:H62	1.75	0.44
14:bB:1228:CLA:HBC3	17:bF:4016:BCR:H362	2.00	0.44
17:bB:4005:BCR:H351	17:bB:4005:BCR:H15C	1.75	0.44
17:bF:4014:BCR:H20C	17:bF:4014:BCR:H361	1.78	0.44
10:bL:46:LEU:HD11	14:bL:1501:CLA:HED1	1.99	0.44
14:b1:503:CLA:H101	14:b1:503:CLA:H62	1.79	0.44
17:b1:523:BCR:H15C	17:b1:523:BCR:H351	1.80	0.44
13:b2:289:PRO:HG3	13:b2:305:ILE:HB	1.99	0.44
17:b4:521:BCR:H15C	17:b4:521:BCR:H351	1.76	0.44
13:b5:264:ILE:HG12	14:b5:502:CLA:HAC1	2.00	0.44
17:b5:521:BCR:H351	17:b5:521:BCR:H15C	1.73	0.44
1:cA:45:THR:HG22	1:cA:720:ARG:HB2	2.00	0.44
14:cA:1013:CLA:O1A	2:cB:532:LEU:HD11	2.18	0.44
14:cA:1135:CLA:H3A	14:cA:1136:CLA:HAA2	2.00	0.44
17:cA:4008:BCR:H361	17:cA:4008:BCR:H20C	1.79	0.44
11:cM:16:LEU:HD11	17:cM:4021:BCR:H373	1.99	0.44
13:c3:128:ARG:HB2	13:c4:341:MET:HE2	1.99	0.44
13:c3:156:ILE:HG12	14:c3:512:CLA:HMC2	2.00	0.44
13:c5:215:LEU:HD12	13:c5:215:LEU:H	1.82	0.44
14:U:505:CLA:HBA2	14:U:505:CLA:H11	1.76	0.44
17:U:524:BCR:H15C	17:U:524:BCR:H351	1.72	0.44
13:W:158:GLY:HA2	13:W:233:GLY:HA2	2.00	0.44
17:W:524:BCR:H11C	17:W:524:BCR:H341	1.77	0.44
14:Y:510:CLA:H71	17:Y:521:BCR:H19C	1.99	0.44
13:c:195:PRO:HA	13:c:216:GLU:HB3	1.99	0.44
13:d:158:GLY:HA2	13:d:233:GLY:HA2	2.00	0.44
14:d:510:CLA:H41	14:d:510:CLA:H61	1.76	0.44
13:f:242:LEU:HD12	13:f:244:TRP:HE1	1.83	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:g:505:CLA:HAA2	13:h:124:PHE:HB2	2.00	0.44
17:g:524:BCR:H11C	17:g:524:BCR:H341	1.75	0.44
17:i:522:BCR:H11C	17:i:522:BCR:H341	1.87	0.44
13:l:320:ASN:HB3	17:l:521:BCR:HC8	2.00	0.44
14:m:519:CLA:HMA1	13:n:59:ALA:HB1	1.99	0.44
1:aA:683:TRP:O	1:aA:686:SER:OG	2.32	0.43
17:aA:4002:BCR:H361	17:aA:4002:BCR:H20C	1.79	0.43
2:aB:199:ILE:HG12	2:aB:270:LEU:HB3	2.00	0.43
13:a2:187:GLN:NE2	13:a2:285:GLU:OE2	2.51	0.43
13:a2:270:VAL:HG21	14:a2:501:CLA:H92	2.00	0.43
14:a4:518:CLA:H71	14:a4:519:CLA:HBA2	2.00	0.43
17:a4:523:BCR:H20C	17:a4:523:BCR:H361	1.88	0.43
14:a5:503:CLA:HBB1	14:a5:512:CLA:H43	1.99	0.43
13:a6:72:LEU:O	13:a6:77:GLN:NE2	2.51	0.43
1:bA:196:MET:HB2	14:bA:1111:CLA:HBC2	2.00	0.43
2:bB:193:HIS:HB2	14:bB:1211:CLA:CHC	2.48	0.43
14:bB:1217:CLA:H3A	14:bB:1217:CLA:HBA2	1.47	0.43
4:bD:116:VAL:HG12	4:bD:118:ARG:HG2	1.99	0.43
13:b3:317:TRP:CZ2	14:b3:504:CLA:HBA1	2.53	0.43
17:b3:522:BCR:H11C	17:b3:522:BCR:H341	1.78	0.43
13:b4:128:ARG:HA	13:b4:128:ARG:HD2	1.85	0.43
13:b6:182:TYR:HB2	13:b6:189:VAL:HG22	2.00	0.43
2:cB:176:ASN:ND2	2:cB:291:TYR:O	2.46	0.43
14:cB:1207:CLA:CBB	7:cI:19:CYS:HB3	2.48	0.43
14:c1:506:CLA:HAB	14:c1:507:CLA:H72	2.00	0.43
13:c2:215:LEU:HD12	13:c2:280:LEU:HD11	2.00	0.43
14:c2:518:CLA:H3A	14:c2:518:CLA:O2A	2.18	0.43
13:c3:111:HIS:CE1	14:c3:503:CLA:NC	2.86	0.43
14:c5:512:CLA:H3A	14:c5:512:CLA:HBA1	1.53	0.43
17:S:522:BCR:H24C	17:S:522:BCR:H371	1.84	0.43
14:X:504:CLA:H41	14:X:504:CLA:H62	1.77	0.43
13:Z:95:GLY:HA2	13:Z:187:GLN:HB3	2.00	0.43
14:Z:505:CLA:H11	14:Z:505:CLA:HBA2	1.76	0.43
14:Z:510:CLA:H72	14:Z:510:CLA:H112	1.76	0.43
13:a:80:ILE:HB	13:a:318:LEU:HD21	2.00	0.43
17:a:521:BCR:H361	17:a:521:BCR:H20C	1.81	0.43
13:d:221:GLY:HA3	17:d:524:BCR:H402	2.00	0.43
17:d:522:BCR:H24C	17:d:522:BCR:H371	1.85	0.43
13:f:150:PRO:HB2	13:f:241:PRO:HG2	1.99	0.43
13:f:171:LEU:HD22	14:f:501:CLA:C1D	2.48	0.43
17:i:521:BCR:H351	17:i:521:BCR:H15C	1.74	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:m:278:ASN:HD21	13:m:281:ALA:H	1.64	0.43
13:n:322:HIS:NE2	14:n:502:CLA:ND	2.66	0.43
13:p:312:HIS:HB2	13:p:317:TRP:NE1	2.33	0.43
13:q:161:LEU:HD22	13:q:229:LEU:HD22	1.99	0.43
14:q:510:CLA:H41	14:q:510:CLA:H61	1.71	0.43
2:aB:480:THR:H	2:aB:483:SER:HB3	1.82	0.43
13:a2:49:GLN:HG2	14:a2:509:CLA:HHB	2.00	0.43
13:a4:60:PHE:O	13:a4:64:GLU:HG2	2.18	0.43
13:a4:125:HIS:CE1	14:a4:513:CLA:NA	2.86	0.43
13:a5:221:GLY:C	17:a5:524:BCR:H383	2.43	0.43
1:bA:267:PHE:CZ	17:bK:4001:BCR:H343	2.53	0.43
1:bA:396:HIS:HE2	14:bA:1127:CLA:C1B	2.32	0.43
1:bA:466:ARG:CZ	2:bB:644:PRO:HG3	2.48	0.43
14:bA:1107:CLA:O1A	17:bJ:4013:BCR:H14C	2.18	0.43
14:bA:1120:CLA:C1D	17:bK:4001:BCR:H382	2.48	0.43
14:bA:1124:CLA:H93	14:bA:1137:CLA:H62	2.00	0.43
14:bB:1230:CLA:HBA2	8:bJ:36:LEU:O	2.18	0.43
20:bB:1852:SQD:H81	18:cA:5002:LHG:HC62	2.00	0.43
13:b4:150:PRO:HB2	13:b4:241:PRO:HD2	2.00	0.43
17:b4:524:BCR:H15C	17:b4:524:BCR:H351	1.74	0.43
13:b5:16:LEU:HD21	13:b5:33:ALA:HB1	1.99	0.43
13:b6:297:ILE:HB	14:b6:519:CLA:C1D	2.48	0.43
14:b6:512:CLA:HBA1	14:b6:512:CLA:H3A	1.61	0.43
1:cA:12:VAL:HG21	14:cA:1110:CLA:HAA2	2.00	0.43
14:cA:1101:CLA:HBB2	14:cA:1109:CLA:H72	2.00	0.43
14:cA:1115:CLA:H102	14:cK:1401:CLA:HMD2	2.00	0.43
14:cA:1129:CLA:HBA1	14:cA:1129:CLA:H3A	1.86	0.43
2:cB:158:GLN:HG3	20:cB:1852:SQD:H1	2.00	0.43
2:cB:225:PHE:HE1	14:cB:1213:CLA:HBB1	1.83	0.43
2:cB:347:VAL:HG13	14:cB:1222:CLA:HED1	2.00	0.43
2:cB:592:ASN:HB2	14:cB:1012:CLA:HBC2	2.00	0.43
17:cI:4018:BCR:H351	17:cI:4018:BCR:H15C	1.66	0.43
14:cJ:1303:CLA:H62	14:cJ:1303:CLA:H41	1.81	0.43
13:c1:18:THR:HB	13:c1:21:GLN:O	2.18	0.43
13:c1:54:VAL:HG13	13:c1:111:HIS:HD2	1.83	0.43
13:c2:291:LEU:HD11	13:c2:316:ALA:HA	2.01	0.43
14:c2:512:CLA:H3A	14:c2:512:CLA:HBA1	1.67	0.43
13:c4:248:LEU:HD13	17:c4:524:BCR:HC32	1.99	0.43
14:c4:501:CLA:H52	14:c4:503:CLA:H92	2.00	0.43
14:c4:508:CLA:H8	17:c4:521:BCR:H21C	2.00	0.43
14:c4:510:CLA:H61	14:c4:510:CLA:H41	1.59	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:c5:521:BCR:H371	17:c5:521:BCR:H24C	1.80	0.43
17:W:521:BCR:H11C	17:W:521:BCR:H341	1.84	0.43
14:Y:501:CLA:H122	14:Y:507:CLA:H61	1.99	0.43
13:Z:127:PHE:HB2	13:a:341:MET:HE2	1.99	0.43
13:c:14:ALA:HB1	13:c:147:TRP:HB2	1.98	0.43
14:c:517:CLA:HED2	14:c:517:CLA:H2A	2.00	0.43
17:c:522:BCR:H15C	17:c:522:BCR:H351	1.67	0.43
13:d:34:ARG:NH1	14:d:511:CLA:OBD	2.49	0.43
14:e:510:CLA:H61	14:e:510:CLA:H41	1.70	0.43
13:h:171:LEU:HD22	14:h:501:CLA:C1D	2.48	0.43
13:o:336:HIS:CE1	14:o:508:CLA:NA	2.86	0.43
14:q:519:CLA:HBA1	14:q:519:CLA:H3A	1.38	0.43
2:aB:147:SER:HB2	11:aM:21:LEU:HD12	1.99	0.43
2:aB:193:HIS:HB2	14:aB:1211:CLA:CHC	2.48	0.43
14:aB:1215:CLA:H111	14:aB:1215:CLA:H152	1.69	0.43
17:aB:4006:BCR:H371	17:aB:4006:BCR:H24C	1.71	0.43
3:aC:63:LEU:H	3:aC:63:LEU:HG	1.60	0.43
13:a3:80:ILE:HG23	14:a3:504:CLA:HMA2	2.00	0.43
17:a3:524:BCR:H351	17:a3:524:BCR:H15C	1.71	0.43
14:a4:513:CLA:HMC2	17:a4:523:BCR:H372	2.01	0.43
1:bA:446:TRP:HH2	14:bA:1136:CLA:H141	1.83	0.43
1:bA:456:PHE:CE1	14:bA:1022:CLA:HBB	2.54	0.43
14:bB:1203:CLA:H141	14:bB:1225:CLA:HBB2	2.00	0.43
17:bB:4010:BCR:H351	17:bB:4010:BCR:H15C	1.72	0.43
6:bF:80:LEU:HA	6:bF:83:ALA:HB2	1.99	0.43
17:bL:4022:BCR:H351	17:bL:4022:BCR:H15C	1.75	0.43
14:b2:501:CLA:H122	14:b2:507:CLA:H61	1.99	0.43
17:b5:524:BCR:H341	17:b5:524:BCR:H11C	1.73	0.43
17:b6:522:BCR:H371	17:b6:522:BCR:H24C	1.86	0.43
17:b6:524:BCR:H24C	17:b6:524:BCR:H371	1.84	0.43
17:cA:4003:BCR:H11C	17:cA:4003:BCR:H341	1.83	0.43
8:cJ:20:THR:HG23	17:cJ:4013:BCR:H351	2.01	0.43
17:cM:4021:BCR:H11C	17:cM:4021:BCR:H341	1.83	0.43
17:c6:522:BCR:H24C	17:c6:522:BCR:H371	1.87	0.43
17:c6:521:BCR:H11C	17:c6:521:BCR:H341	1.78	0.43
13:T:276:ALA:HA	13:T:291:LEU:HD12	2.00	0.43
14:V:508:CLA:H43	14:V:511:CLA:HAC1	2.00	0.43
14:W:512:CLA:HBA1	14:W:512:CLA:H3A	1.45	0.43
13:Y:125:HIS:HA	13:Y:129:ALA:HB3	2.00	0.43
13:Z:122:ALA:O	13:Z:126:THR:OG1	2.30	0.43
17:f:522:BCR:H15C	17:f:522:BCR:H351	1.66	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:g:521:BCR:H351	17:g:521:BCR:H15C	1.73	0.43
13:h:152:GLN:O	13:h:156:ILE:HG13	2.18	0.43
17:h:521:BCR:H11C	17:h:521:BCR:H341	1.79	0.43
17:h:521:BCR:H15C	17:h:521:BCR:H351	1.77	0.43
13:j:198:ASP:HB3	13:j:201:VAL:HB	2.00	0.43
13:k:295:LEU:HD22	13:l:63:TYR:HB2	2.00	0.43
14:o:503:CLA:H102	14:o:503:CLA:H13	1.85	0.43
14:p:505:CLA:H11	14:p:505:CLA:HBA2	1.79	0.43
14:aA:1022:CLA:H111	14:aA:1022:CLA:H142	1.76	0.43
14:aA:1119:CLA:H92	14:aA:1119:CLA:H62	1.81	0.43
14:aA:1237:CLA:HAB	2:aB:698:VAL:HG11	2.00	0.43
14:aB:1203:CLA:H141	14:aB:1225:CLA:HBB2	2.01	0.43
17:aB:4009:BCR:H11C	17:aB:4009:BCR:H341	1.82	0.43
10:aL:62:PRO:HB3	14:aL:1503:CLA:HBB1	2.00	0.43
17:aM:4021:BCR:H15C	17:aM:4021:BCR:H351	1.85	0.43
13:a4:322:HIS:NE2	14:a4:502:CLA:NA	2.66	0.43
13:a5:126:THR:HG21	17:a5:522:BCR:H271	2.00	0.43
14:bA:1122:CLA:H2	14:bA:1133:CLA:H172	2.00	0.43
2:bB:203:ARG:NH2	2:bB:238:ASP:OD1	2.51	0.43
17:bB:4009:BCR:H403	17:bB:4010:BCR:H21C	2.01	0.43
17:bB:4017:BCR:H15C	17:bB:4017:BCR:H351	1.84	0.43
3:bC:6:LYS:HG3	4:bD:137:TYR:HB2	1.99	0.43
10:bL:50:GLU:OE2	14:bL:1501:CLA:ND	2.51	0.43
14:b2:501:CLA:H92	14:b2:501:CLA:H62	1.79	0.43
13:b4:125:HIS:NE2	14:b4:513:CLA:NB	2.67	0.43
13:b4:291:LEU:HD11	13:b4:316:ALA:HA	2.00	0.43
17:b5:521:BCR:H24C	17:b5:521:BCR:H371	1.75	0.43
13:b6:163:PHE:CE1	14:b6:512:CLA:HHB	2.54	0.43
1:cA:379:PRO:HD2	1:cA:383:LEU:HD23	2.01	0.43
14:cA:1102:CLA:H141	14:cA:1102:CLA:H162	1.69	0.43
14:cA:1116:CLA:H92	14:cA:1116:CLA:H61	1.74	0.43
14:cB:1205:CLA:H2	14:cB:1205:CLA:H102	1.99	0.43
8:cJ:12:PRO:HB2	17:cJ:4013:BCR:H292	1.99	0.43
13:c1:54:VAL:HG13	13:c1:111:HIS:CD2	2.54	0.43
17:c2:521:BCR:H20C	17:c2:521:BCR:H361	1.84	0.43
13:c4:52:LEU:HD22	14:c5:519:CLA:H2	1.99	0.43
17:c5:523:BCR:H11C	17:c5:523:BCR:H341	1.82	0.43
13:c6:80:ILE:HB	13:c6:318:LEU:HD21	2.01	0.43
14:S:518:CLA:H3A	14:S:518:CLA:O2A	2.18	0.43
14:T:516:CLA:H2A	14:T:516:CLA:O1D	2.18	0.43
14:W:512:CLA:HED2	14:W:512:CLA:H2A	2.00	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:X:48:ALA:HB1	17:X:522:BCR:H373	2.00	0.43
14:Y:510:CLA:H41	14:Y:510:CLA:H61	1.69	0.43
14:d:509:CLA:HBD	14:d:509:CLA:H121	2.00	0.43
14:j:518:CLA:H3A	14:j:518:CLA:O2A	2.19	0.43
13:l:105:PHE:CZ	17:l:522:BCR:HC21	2.53	0.43
13:p:174:LYS:NZ	13:p:180:GLY:O	2.51	0.43
2:aB:293:THR:OG1	2:aB:294:GLN:N	2.51	0.43
14:aB:1203:CLA:H41	14:aB:1203:CLA:H61	1.51	0.43
14:aB:1221:CLA:H112	14:aB:1221:CLA:H91	1.64	0.43
13:a1:65:ILE:HG23	13:a1:101:LEU:HD13	1.99	0.43
13:a1:221:GLY:C	17:a1:524:BCR:H383	2.43	0.43
13:a2:112:LEU:O	13:a2:115:SER:OG	2.28	0.43
14:a2:518:CLA:H3A	14:a2:518:CLA:O2A	2.18	0.43
13:a3:202:ILE:HG23	17:a3:524:BCR:H403	2.00	0.43
13:a6:32:ASN:HD21	14:a6:511:CLA:C1C	2.31	0.43
13:a6:303:ASP:OD2	13:a6:312:HIS:ND1	2.48	0.43
1:bA:23:THR:OG1	1:bA:177:TRP:NE1	2.43	0.43
1:bA:466:ARG:NH2	1:bA:644:ILE:HD11	2.33	0.43
2:bB:158:GLN:HG3	20:bB:1852:SQD:H1	2.00	0.43
2:bB:531:ALA:HB2	14:bB:1236:CLA:HED2	2.01	0.43
17:bI:4020:BCR:C20	14:bL:1502:CLA:HAB	2.48	0.43
13:b2:112:LEU:O	13:b2:115:SER:OG	2.32	0.43
14:b2:505:CLA:H11	14:b2:505:CLA:HBA2	1.83	0.43
13:b3:113:ILE:HD12	17:b3:523:BCR:HC8	1.99	0.43
13:b6:202:ILE:HG23	17:b6:524:BCR:H403	2.00	0.43
14:b6:502:CLA:HBD	14:b6:503:CLA:H43	1.99	0.43
14:cA:1011:CLA:H102	14:cA:1011:CLA:H62	1.83	0.43
14:cA:1022:CLA:H143	14:cB:1206:CLA:HMB3	2.00	0.43
14:cA:1104:CLA:H193	14:cA:1104:CLA:H161	1.78	0.43
2:cB:466:PHE:O	2:cB:470:ALA:N	2.47	0.43
14:cB:1209:CLA:CED	14:cB:1209:CLA:H2A	2.48	0.43
17:cB:4017:BCR:H15C	17:cB:4017:BCR:H351	1.83	0.43
17:c1:521:BCR:H11C	17:c1:521:BCR:H341	1.83	0.43
14:c2:509:CLA:H93	14:c2:509:CLA:H62	1.77	0.43
13:c3:14:ALA:HB1	13:c3:147:TRP:HB2	2.00	0.43
13:c3:312:HIS:HB2	13:c3:317:TRP:NE1	2.33	0.43
13:c6:53:SER:HA	14:c6:510:CLA:HMC2	2.00	0.43
14:c6:501:CLA:H41	14:c6:501:CLA:H61	1.63	0.43
13:Y:242:LEU:HD12	13:Y:244:TRP:HE1	1.83	0.43
13:Z:139:ARG:HG3	13:Z:142:ARG:HD2	2.00	0.43
14:i:509:CLA:H3A	14:i:509:CLA:HBA1	1.69	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:j:133:LEU:HB2	13:j:144:HIS:HB2	2.00	0.43
13:m:329:PHE:HA	14:m:508:CLA:HMC1	2.00	0.43
14:m:519:CLA:HBA2	13:n:60:PHE:HE1	1.83	0.43
17:n:522:BCR:H24C	17:n:522:BCR:H371	1.79	0.43
13:p:322:HIS:CD2	14:p:502:CLA:ND	2.87	0.43
1:aA:221:LEU:HD23	1:aA:294:LEU:HB3	2.00	0.43
2:aB:627:LEU:HD12	2:aB:631:LEU:HD12	2.00	0.43
4:aD:9:PRO:HA	4:aD:51:ARG:HG2	2.01	0.43
13:a3:125:HIS:HE1	14:a3:513:CLA:NA	2.16	0.43
14:a3:503:CLA:H41	14:a3:503:CLA:H101	2.00	0.43
13:a4:60:PHE:CE1	14:a5:519:CLA:HAA2	2.54	0.43
14:a4:505:CLA:H43	17:a4:524:BCR:H311	2.01	0.43
1:bA:377:MET:HE3	1:bA:377:MET:HB2	1.95	0.43
15:bA:2001:PQN:H212	15:bA:2001:PQN:H243	1.65	0.43
14:bB:1204:CLA:HMC2	14:bB:1204:CLA:H92	2.01	0.43
14:bB:1222:CLA:H3A	14:bB:1222:CLA:HBA2	1.75	0.43
3:bC:81:TYR:HB3	4:bD:19:LEU:HD12	2.01	0.43
4:bD:11:TYR:OH	4:bD:45:ALA:O	2.23	0.43
13:b1:174:LYS:NZ	13:b1:180:GLY:O	2.52	0.43
17:b1:522:BCR:HC41	13:b2:273:TYR:HB2	2.00	0.43
13:b3:163:PHE:CE1	14:b3:512:CLA:HHB	2.53	0.43
13:b5:222:HIS:HA	13:b5:225:ILE:HB	2.01	0.43
13:b6:64:GLU:HB3	13:b6:79:LEU:HD22	2.00	0.43
14:b6:503:CLA:H41	14:b6:503:CLA:H62	1.70	0.43
14:cA:1126:CLA:HBA2	14:cA:1126:CLA:H3A	1.44	0.43
14:cA:1137:CLA:H41	14:cA:1137:CLA:H62	1.64	0.43
2:cB:599:PHE:CE2	2:cB:631:LEU:HD21	2.54	0.43
14:cB:1221:CLA:H61	14:cB:1221:CLA:H41	1.44	0.43
9:cK:6:LEU:HD23	9:cK:6:LEU:H	1.83	0.43
9:cK:65:PHE:CD1	17:cK:4001:BCR:H23C	2.53	0.43
13:c1:24:VAL:HG11	20:c1:822:SQD:H62	2.00	0.43
13:c2:145:PHE:HA	13:c2:152:GLN:HG2	2.00	0.43
17:c5:522:BCR:H15C	17:c5:522:BCR:H351	1.68	0.43
13:S:195:PRO:HA	13:S:216:GLU:HB3	2.00	0.43
13:V:236:HIS:CE1	14:V:506:CLA:ND	2.87	0.43
13:X:320:ASN:HB3	17:X:521:BCR:HC8	1.99	0.43
17:Y:522:BCR:H24C	17:Y:522:BCR:H371	1.83	0.43
13:a:318:LEU:HD23	14:a:504:CLA:HMB1	2.00	0.43
13:b:236:HIS:CE1	14:b:506:CLA:NC	2.87	0.43
14:b:509:CLA:H141	14:b:509:CLA:H162	1.75	0.43
14:b:510:CLA:H112	14:b:510:CLA:H72	1.78	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:d:505:CLA:H92	14:d:505:CLA:H61	1.68	0.43
13:e:16:LEU:HA	13:e:254:GLU:HB2	1.99	0.43
13:f:330:LEU:O	13:f:334:LEU:HG	2.19	0.43
13:h:273:TYR:CD1	17:i:522:BCR:HC41	2.48	0.43
13:h:312:HIS:HB2	13:h:317:TRP:CD1	2.53	0.43
13:i:106:VAL:HG22	17:i:523:BCR:H313	2.00	0.43
13:i:232:GLY:O	13:i:236:HIS:ND1	2.25	0.43
13:j:276:ALA:HA	13:j:291:LEU:HD12	2.01	0.43
13:n:32:ASN:HD21	14:n:511:CLA:C1C	2.32	0.43
13:p:139:ARG:HD2	13:p:142:ARG:HG3	2.00	0.43
14:q:501:CLA:H41	14:q:501:CLA:H61	1.86	0.43
17:q:524:BCR:H20C	17:q:524:BCR:H361	1.86	0.43
1:aA:24:SER:HA	13:a3:354:PRO:HB2	2.01	0.43
1:aA:106:ASP:HB3	1:aA:110:ILE:HG12	2.00	0.43
14:aA:1022:CLA:H143	14:aB:1206:CLA:HMB3	2.01	0.43
14:aA:1126:CLA:H191	17:aJ:4012:BCR:H14C	2.00	0.43
14:aB:1225:CLA:H171	17:aB:4006:BCR:H17C	2.00	0.43
10:aL:68:PRO:HG2	10:aL:69:LEU:HD12	2.00	0.43
14:a1:516:CLA:HBA1	14:a1:516:CLA:H12	1.78	0.43
17:a1:523:BCR:H11C	17:a1:523:BCR:H341	1.83	0.43
13:a2:329:PHE:HA	14:a2:508:CLA:HMC2	2.00	0.43
14:a2:502:CLA:H91	14:a2:502:CLA:H112	1.76	0.43
1:bA:58:PHE:HE1	14:bA:1102:CLA:HED1	1.83	0.43
1:bA:394:PHE:O	1:bA:398:MET:HG2	2.19	0.43
1:bA:397:HIS:NE2	14:bA:1127:CLA:ND	2.67	0.43
1:bA:678:GLY:HA2	17:bA:4011:BCR:H17C	2.00	0.43
2:bB:526:VAL:HG21	2:bB:600:TYR:CE1	2.53	0.43
14:bB:1229:CLA:H192	17:bF:4016:BCR:H17C	2.01	0.43
17:bF:4015:BCR:H351	17:bF:4015:BCR:H15C	1.74	0.43
14:bK:1103:CLA:HBA2	14:bK:1103:CLA:H3A	1.54	0.43
14:b3:505:CLA:H11	14:b3:505:CLA:HBA2	1.76	0.43
14:b3:508:CLA:H2	14:b3:510:CLA:H12	2.00	0.43
1:cA:337:THR:HA	14:cA:1129:CLA:OBD	2.19	0.43
7:cI:7:ALA:N	11:cM:5:ASP:OD1	2.51	0.43
13:c1:56:TRP:CZ3	13:c1:81:LEU:HD21	2.54	0.43
13:c1:206:GLN:HG2	14:c1:517:CLA:C1D	2.49	0.43
13:c2:329:PHE:HA	14:c2:508:CLA:HMC2	2.00	0.43
17:c3:524:BCR:H15C	17:c3:524:BCR:H351	1.74	0.43
14:c4:518:CLA:H3A	14:c4:518:CLA:O2A	2.19	0.43
13:U:16:LEU:HD11	14:U:508:CLA:HMA2	2.00	0.43
13:U:49:GLN:OE1	14:U:510:CLA:NC	2.51	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:X:43:ILE:HD11	14:X:512:CLA:HBC3	2.01	0.43
13:Z:336:HIS:CE1	14:Z:508:CLA:NA	2.86	0.43
13:e:171:LEU:HD22	14:e:501:CLA:C1D	2.49	0.43
13:e:192:ILE:HG23	13:e:216:GLU:HG2	2.01	0.43
17:e:521:BCR:H24C	17:e:521:BCR:H371	1.80	0.43
13:g:125:HIS:HA	13:g:129:ALA:HB3	2.00	0.43
13:g:213:ASN:HA	13:g:280:LEU:HD22	2.01	0.43
17:j:522:BCR:H11C	17:j:522:BCR:H341	1.75	0.43
13:l:68:TYR:HB2	13:l:79:LEU:HD21	2.00	0.43
17:l:524:BCR:H11C	17:l:524:BCR:H341	1.70	0.43
13:m:38:LEU:HD13	13:m:131:HIS:HB3	1.99	0.43
13:m:353:ASN:O	13:m:353:ASN:ND2	2.51	0.43
13:n:318:LEU:HD23	14:n:504:CLA:HMB1	2.01	0.43
17:n:521:BCR:H15C	17:n:521:BCR:H351	1.76	0.43
13:o:344:ASN:O	13:o:347:GLN:HG2	2.18	0.43
17:o:521:BCR:H24C	17:o:521:BCR:H371	1.82	0.43
14:p:518:CLA:H3A	14:p:518:CLA:C2	2.49	0.43
1:aA:114:ALA:HB3	1:aA:139:ILE:HG21	2.00	0.43
1:aA:520:VAL:HG23	1:aA:525:ALA:HB2	2.01	0.43
15:aA:2001:PQN:H292	15:aA:2001:PQN:H261	1.84	0.43
2:aB:381:TYR:CD2	14:aB:1224:CLA:HAB	2.54	0.43
14:aB:1207:CLA:CBB	7:aI:19:CYS:HB3	2.49	0.43
17:aB:4005:BCR:H15C	17:aB:4005:BCR:H351	1.75	0.43
17:aF:4016:BCR:H371	17:aF:4016:BCR:H24C	1.84	0.43
13:a1:139:ARG:NH1	14:a1:516:CLA:OBD	2.52	0.43
13:a2:195:PRO:HA	13:a2:216:GLU:HB3	2.01	0.43
14:a3:507:CLA:H142	14:a3:507:CLA:H112	1.79	0.43
13:a6:221:GLY:C	17:a6:524:BCR:H383	2.43	0.43
1:bA:683:TRP:HZ3	14:bB:1012:CLA:HMD3	1.83	0.43
17:bA:4008:BCR:H15C	17:bA:4008:BCR:H351	1.77	0.43
2:bB:145:LEU:HD11	14:bB:1211:CLA:H161	1.99	0.43
2:bB:665:ALA:HB3	14:bB:1023:CLA:HBB2	2.00	0.43
14:bB:1220:CLA:CAD	14:bB:1221:CLA:HAB	2.49	0.43
14:bB:1221:CLA:H61	14:bB:1221:CLA:H41	1.43	0.43
14:bB:1231:CLA:H11	14:bB:1231:CLA:HBA2	1.57	0.43
10:bL:132:SER:OG	17:bL:4022:BCR:H19C	2.19	0.43
13:b1:316:ALA:O	13:b1:320:ASN:ND2	2.39	0.43
14:b4:503:CLA:H8	14:b4:503:CLA:H51	1.88	0.43
14:b5:505:CLA:HBA2	14:b5:505:CLA:H11	1.80	0.43
17:b5:522:BCR:H20C	17:b5:522:BCR:H361	1.91	0.43
1:cA:577:PRO:HB3	1:cA:724:ILE:HB	2.01	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:cA:4007:BCR:H392	18:cA:5002:LHG:H322	1.99	0.43
2:cB:565:PRO:HB3	2:cB:709:ILE:HB	2.00	0.43
10:cL:7:LYS:HG3	10:cL:19:SER:HB3	1.99	0.43
13:c3:60:PHE:HE1	14:c4:519:CLA:HAA2	1.84	0.43
13:c3:236:HIS:HE1	14:c3:506:CLA:C1A	2.31	0.43
13:c5:112:LEU:O	13:c5:115:SER:OG	2.30	0.43
17:T:524:BCR:H11C	17:T:524:BCR:H341	1.74	0.43
13:V:41:LEU:HB3	14:V:511:CLA:HMA1	2.01	0.43
13:V:54:VAL:HB	13:V:115:SER:HB3	2.01	0.43
13:X:330:LEU:O	13:X:334:LEU:HG	2.19	0.43
13:a:54:VAL:HB	13:a:115:SER:HB3	2.00	0.43
13:a:65:ILE:HG23	13:a:101:LEU:HD13	2.01	0.43
13:a:205:TYR:HE2	13:a:217:ASP:HB3	1.83	0.43
14:a:505:CLA:H92	14:a:505:CLA:H62	1.84	0.43
17:a:524:BCR:H341	17:a:524:BCR:H11C	1.72	0.43
17:f:522:BCR:H371	17:f:522:BCR:H24C	1.83	0.43
13:m:295:LEU:HD21	14:m:519:CLA:HMA3	2.00	0.43
13:m:336:HIS:CE1	14:m:508:CLA:NA	2.87	0.43
13:n:308:PRO:HB2	13:n:309:LEU:HD12	2.01	0.43
13:q:65:ILE:HD11	13:q:104:TYR:HB3	2.00	0.43
2:aB:554:MET:HE3	3:aC:66:ARG:NH2	2.34	0.43
14:aB:1023:CLA:H143	14:aB:1023:CLA:H111	1.71	0.43
14:aB:1229:CLA:HMB1	17:aF:4014:BCR:H10C	2.00	0.43
6:aF:148:ALA:HB1	13:a4:29:TRP:CH2	2.54	0.43
13:a2:54:VAL:HG13	13:a2:111:HIS:CD2	2.54	0.43
13:a3:221:GLY:C	17:a3:524:BCR:H383	2.44	0.43
14:a6:509:CLA:H192	14:a6:509:CLA:H161	1.86	0.43
14:bA:1115:CLA:H62	14:bA:1115:CLA:H41	1.43	0.43
14:bB:1222:CLA:H71	14:bB:1234:CLA:H52	2.01	0.43
17:bJ:4013:BCR:H11C	17:bJ:4013:BCR:H341	1.86	0.43
13:b2:88:LEU:O	13:b2:174:LYS:NZ	2.49	0.43
14:b2:502:CLA:HBA2	14:b2:503:CLA:H171	1.99	0.43
13:b4:322:HIS:NE2	14:b4:502:CLA:ND	2.67	0.43
17:b4:521:BCR:H11C	17:b4:521:BCR:H341	1.90	0.43
13:b5:336:HIS:CE1	14:b5:508:CLA:NA	2.87	0.43
13:b6:125:HIS:CE1	14:b6:513:CLA:NA	2.86	0.43
1:cA:16:VAL:HG11	1:cA:183:ARG:HB3	2.01	0.43
1:cA:396:HIS:HE1	14:cA:1126:CLA:ND	2.16	0.43
17:cA:4003:BCR:H351	17:cA:4003:BCR:H15C	1.72	0.43
2:cB:192:GLY:HA3	14:cB:1211:CLA:HMC2	1.99	0.43
2:cB:490:SER:O	2:cB:498:ASN:ND2	2.44	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:cB:528:HIS:CD2	17:cF:4015:BCR:HC21	2.54	0.43
13:c2:206:GLN:HG2	14:c2:517:CLA:C1D	2.49	0.43
14:c5:508:CLA:H2	14:c5:510:CLA:H12	2.00	0.43
17:c6:522:BCR:H11C	17:c6:522:BCR:H341	1.87	0.43
13:S:158:GLY:HA2	13:S:233:GLY:HA2	2.01	0.43
14:T:511:CLA:H3A	14:T:511:CLA:HBA1	1.76	0.43
13:V:336:HIS:HE1	14:V:508:CLA:NA	2.16	0.43
13:W:221:GLY:C	17:W:524:BCR:H383	2.44	0.43
13:W:312:HIS:HB2	13:W:317:TRP:NE1	2.33	0.43
13:c:215:LEU:H	13:c:215:LEU:HD12	1.84	0.43
13:d:125:HIS:HA	13:d:129:ALA:HB3	2.01	0.43
13:e:246:ARG:HA	13:e:251:PHE:HE2	1.83	0.43
14:g:505:CLA:H91	14:g:505:CLA:H112	1.66	0.43
17:h:521:BCR:H371	17:h:521:BCR:H24C	1.84	0.43
13:i:49:GLN:OE1	14:i:510:CLA:NC	2.52	0.43
13:o:161:LEU:HD22	13:o:229:LEU:HD22	1.99	0.43
17:p:522:BCR:H371	17:p:522:BCR:H24C	1.80	0.43
17:p:524:BCR:H20C	17:p:524:BCR:H361	1.80	0.43
1:aA:228:ASP:HB3	1:aA:288:VAL:HG21	2.00	0.43
14:aA:1115:CLA:H11	14:aK:1401:CLA:HED1	1.99	0.43
14:aA:1139:CLA:H61	14:aA:1139:CLA:H41	1.78	0.43
2:aB:31:PHE:HB3	2:aB:37:MET:HE2	2.00	0.43
14:aB:1224:CLA:CGA	14:aB:1224:CLA:H3A	2.47	0.43
3:aC:24:ASP:OD1	4:aD:103:PRO:HG3	2.19	0.43
8:aJ:15:ALA:O	8:aJ:19:MET:HB2	2.19	0.43
13:a1:49:GLN:HG2	14:a1:509:CLA:HHB	2.00	0.43
13:a5:206:GLN:HG2	14:a5:517:CLA:C1D	2.49	0.43
1:bA:308:PHE:CE1	14:bA:1119:CLA:HAB	2.54	0.43
1:bA:547:HIS:NE2	14:bA:1137:CLA:NA	2.67	0.43
2:bB:352:VAL:HG21	14:bB:1225:CLA:HHD	2.01	0.43
2:bB:415:VAL:HA	2:bB:418:HIS:CE1	2.54	0.43
14:bB:1207:CLA:CBB	7:bI:19:CYS:HB3	2.48	0.43
17:bJ:4012:BCR:H11C	17:bJ:4012:BCR:H341	1.76	0.43
10:bL:21:PRO:HA	10:bL:25:SER:HB3	2.01	0.43
13:b1:150:PRO:HB2	13:b1:241:PRO:HD2	2.01	0.43
17:b2:521:BCR:H20C	17:b2:521:BCR:H361	1.86	0.43
1:cA:564:ARG:O	4:cD:61:ARG:NH1	2.44	0.43
14:cA:1022:CLA:H111	14:cA:1022:CLA:H142	1.80	0.43
14:cB:1207:CLA:O2A	14:cB:1207:CLA:H2A	2.16	0.43
17:cB:4006:BCR:H371	17:cB:4006:BCR:H24C	1.70	0.43
13:c1:336:HIS:CE1	14:c1:508:CLA:NA	2.87	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:c1:512:CLA:H3A	14:c1:512:CLA:HBA1	1.56	0.43
13:c2:264:ILE:HG12	14:c2:502:CLA:HAC1	2.00	0.43
14:c3:511:CLA:H12	14:c3:511:CLA:H52	1.82	0.43
17:c3:522:BCR:HC7	13:c4:323:PHE:HE1	1.84	0.43
17:c4:522:BCR:H11C	17:c4:522:BCR:H341	1.76	0.43
13:c6:134:SER:HB3	13:c6:144:HIS:CD2	2.54	0.43
13:T:205:TYR:HD1	13:T:205:TYR:HA	1.68	0.43
17:V:524:BCR:H20C	17:V:524:BCR:H361	1.84	0.43
13:X:254:GLU:OE2	13:X:336:HIS:ND1	2.43	0.43
17:X:523:BCR:H20C	17:X:523:BCR:H361	1.90	0.43
17:b:522:BCR:H24C	17:b:522:BCR:H371	1.81	0.43
13:d:33:ALA:HB2	14:d:508:CLA:HAA2	2.01	0.43
17:g:523:BCR:H15C	17:g:523:BCR:H351	1.72	0.43
17:j:523:BCR:H15C	17:j:523:BCR:H351	1.71	0.43
13:k:54:VAL:HB	13:k:115:SER:HB3	2.01	0.43
13:l:288:GLY:O	13:l:315:ARG:NH2	2.43	0.43
14:m:509:CLA:H3A	14:m:509:CLA:HBA1	1.70	0.43
1:aA:202:ALA:HB2	1:aA:312:GLY:HA3	2.01	0.42
14:aB:1203:CLA:H162	14:aB:1203:CLA:H141	1.63	0.42
7:aI:7:ALA:N	11:aM:5:ASP:OD1	2.50	0.42
17:aI:4019:BCR:H11C	17:aI:4019:BCR:H341	1.82	0.42
9:aK:6:LEU:HD23	9:aK:6:LEU:H	1.84	0.42
13:a1:183:ASP:OD2	13:a1:190:ARG:NH1	2.51	0.42
17:a1:523:BCR:H15C	17:a1:523:BCR:H351	1.79	0.42
14:a5:510:CLA:H72	14:a5:510:CLA:H112	1.85	0.42
1:bA:323:HIS:HE1	14:bA:1120:CLA:NA	2.14	0.42
1:bA:677:LEU:HB3	14:bB:1012:CLA:O2A	2.19	0.42
14:bA:1124:CLA:H91	17:bA:4008:BCR:H24C	2.01	0.42
14:bA:1138:CLA:H92	14:bA:1138:CLA:H61	1.67	0.42
2:bB:432:PHE:CE2	14:bB:1235:CLA:HAB	2.55	0.42
2:bB:455:LYS:HB3	14:bB:1230:CLA:HED1	2.01	0.42
10:bL:143:PHE:HD1	14:bL:1503:CLA:H43	1.83	0.42
17:b2:521:BCR:H15C	17:b2:521:BCR:H351	1.73	0.42
17:b3:523:BCR:H15C	17:b3:523:BCR:H351	1.73	0.42
13:b5:123:LEU:HD12	14:b6:505:CLA:HHB	2.00	0.42
13:b6:159:HIS:NE2	14:b6:516:CLA:NB	2.67	0.42
14:cA:1130:CLA:H41	14:cA:1130:CLA:H61	1.65	0.42
2:cB:154:TRP:CD1	11:cM:24:ARG:HG2	2.54	0.42
2:cB:209:TRP:HH2	17:cB:4006:BCR:H16C	1.84	0.42
2:cB:270:LEU:HD23	2:cB:273:MET:HE3	2.01	0.42
2:cB:648:ASN:N	2:cB:648:ASN:OD1	2.51	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:c1:522:BCR:H11C	17:c1:522:BCR:H341	1.79	0.42
14:c3:502:CLA:H112	14:c3:502:CLA:H91	1.76	0.42
17:c3:521:BCR:H24C	17:c3:521:BCR:H371	1.83	0.42
13:c6:161:LEU:HD21	14:c6:506:CLA:HAB	2.01	0.42
13:S:54:VAL:HG13	13:S:111:HIS:CD2	2.54	0.42
14:T:509:CLA:HED2	14:T:509:CLA:H2A	2.02	0.42
13:V:34:ARG:NH1	14:V:511:CLA:OBD	2.48	0.42
13:W:327:PHE:O	13:W:331:GLN:HG2	2.19	0.42
17:W:524:BCR:H351	17:W:524:BCR:H15C	1.73	0.42
14:Y:502:CLA:H11	14:Y:503:CLA:H162	2.00	0.42
17:a:521:BCR:H11C	17:a:521:BCR:H341	1.83	0.42
13:d:80:ILE:C	13:d:83:PRO:HD2	2.44	0.42
17:h:524:BCR:H20C	17:h:524:BCR:H361	1.82	0.42
14:i:505:CLA:HAA2	13:j:124:PHE:HB2	2.00	0.42
17:i:524:BCR:H15C	17:i:524:BCR:H351	1.73	0.42
13:j:56:TRP:HB2	14:j:510:CLA:HAC2	2.01	0.42
17:j:524:BCR:H20C	17:j:524:BCR:H361	1.85	0.42
13:l:192:ILE:HD11	13:l:215:LEU:HD23	2.01	0.42
13:n:171:LEU:HD22	14:n:501:CLA:C1D	2.49	0.42
17:n:523:BCR:H351	17:n:523:BCR:H15C	1.77	0.42
14:aA:1102:CLA:HBA2	14:aA:1109:CLA:C4D	2.50	0.42
14:aA:1119:CLA:H193	14:aA:1122:CLA:HAC2	2.01	0.42
14:aA:1123:CLA:H62	14:aA:1123:CLA:H2	1.72	0.42
4:aD:43:PRO:HD3	4:aD:68:LEU:HD13	2.01	0.42
17:aF:4015:BCR:H351	17:aF:4015:BCR:H15C	1.74	0.42
17:aJ:4013:BCR:H351	17:aJ:4013:BCR:H15C	1.75	0.42
13:a5:64:GLU:HB3	13:a5:79:LEU:HD22	2.01	0.42
1:bA:616:LYS:NZ	1:bA:620:ASP:OD2	2.52	0.42
14:bA:1126:CLA:H112	14:bA:1126:CLA:H143	1.72	0.42
2:bB:44:GLN:OE1	2:bB:162:ARG:NE	2.41	0.42
2:bB:293:THR:OG1	2:bB:294:GLN:N	2.52	0.42
14:bB:1023:CLA:H202	14:bB:1023:CLA:H162	1.82	0.42
15:bB:2002:PQN:H142	15:bB:2002:PQN:H112	1.77	0.42
3:bC:2:ALA:N	3:bC:71:ALA:O	2.52	0.42
14:bL:1501:CLA:HBB1	17:bL:4022:BCR:HC7	2.02	0.42
14:bX:1401:CLA:O2A	14:bX:1401:CLA:H3A	2.19	0.42
13:b2:221:GLY:C	17:b2:524:BCR:H383	2.44	0.42
14:b4:505:CLA:H3A	14:b4:505:CLA:HBA2	1.70	0.42
1:cA:28:TRP:CZ2	14:cA:1102:CLA:H11	2.55	0.42
1:cA:285:LEU:HD21	1:cA:378:PRO:HD2	2.01	0.42
1:cA:363:MET:HE1	14:cA:1127:CLA:HBC3	2.02	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:cA:461:HIS:HE1	14:cA:1132:CLA:C1A	2.32	0.42
14:cA:1101:CLA:H62	14:cA:1101:CLA:H102	1.61	0.42
2:cB:397:PHE:HA	2:cB:401:ASP:HB2	2.00	0.42
17:cB:4009:BCR:H15C	17:cB:4009:BCR:H351	1.77	0.42
17:cI:4019:BCR:H15C	17:cI:4019:BCR:H351	1.76	0.42
17:c1:523:BCR:H20C	17:c1:523:BCR:H361	1.84	0.42
17:c2:524:BCR:H11C	17:c2:524:BCR:H341	1.72	0.42
13:c6:160:HIS:NE2	14:c6:512:CLA:NA	2.67	0.42
13:S:349:GLU:HB2	20:S:822:SQD:H102	2.01	0.42
17:S:521:BCR:H371	17:S:521:BCR:H24C	1.75	0.42
13:V:117:VAL:HG22	14:W:505:CLA:H8	2.00	0.42
17:V:521:BCR:H24C	17:V:521:BCR:H371	1.86	0.42
17:V:522:BCR:H20C	17:V:522:BCR:H361	1.89	0.42
13:b:160:HIS:NE2	14:b:512:CLA:NA	2.66	0.42
13:b:192:ILE:HG23	13:b:216:GLU:HG2	2.01	0.42
17:b:521:BCR:H15C	17:b:521:BCR:H351	1.73	0.42
17:c:521:BCR:H361	17:c:521:BCR:H20C	1.81	0.42
13:h:90:PHE:HB3	13:h:103:PRO:HB2	2.01	0.42
13:h:322:HIS:NE2	14:h:502:CLA:ND	2.67	0.42
14:j:509:CLA:H91	14:j:512:CLA:HBD	2.01	0.42
13:l:132:ASP:OD2	13:l:134:SER:OG	2.33	0.42
14:o:503:CLA:H51	14:o:503:CLA:H8	1.67	0.42
13:q:336:HIS:CE1	14:q:508:CLA:NA	2.86	0.42
14:q:517:CLA:HBA1	14:q:517:CLA:H3A	1.74	0.42
1:aA:700:LEU:HD21	14:aA:1013:CLA:HED2	2.00	0.42
14:aA:1120:CLA:H3A	14:aA:1120:CLA:O2A	2.20	0.42
2:aB:643:ASN:OD1	2:aB:643:ASN:N	2.52	0.42
14:aB:1202:CLA:H3A	14:aB:1202:CLA:HBA1	1.31	0.42
14:aB:1215:CLA:H3A	14:aB:1215:CLA:HBA2	1.41	0.42
15:aB:2002:PQN:H171	15:aB:2002:PQN:H211	1.77	0.42
10:aL:143:PHE:HD1	14:aL:1503:CLA:H43	1.84	0.42
14:a3:501:CLA:H201	14:a3:507:CLA:H161	2.01	0.42
13:a4:229:LEU:O	13:a4:233:GLY:N	2.42	0.42
14:a5:502:CLA:HBD	14:a5:503:CLA:H43	2.00	0.42
13:a6:336:HIS:CE1	14:a6:508:CLA:NA	2.88	0.42
14:a6:510:CLA:H192	14:a6:510:CLA:H162	1.85	0.42
1:bA:662:ILE:HD12	2:bB:628:ARG:HG3	2.01	0.42
14:bA:1102:CLA:HBC1	18:bA:5001:LHG:H131	2.01	0.42
14:bA:1113:CLA:C3B	17:bK:4001:BCR:H333	2.49	0.42
14:bB:1225:CLA:H142	14:bB:1225:CLA:H111	1.77	0.42
6:bF:122:ILE:O	8:bJ:11:ALA:N	2.53	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:bF:4016:BCR:H341	17:bF:4016:BCR:H11C	1.70	0.42
17:bK:4001:BCR:H11C	17:bK:4001:BCR:H341	1.69	0.42
14:b1:511:CLA:H12	14:b1:511:CLA:H52	1.87	0.42
14:b4:501:CLA:C4D	14:b4:503:CLA:H2	2.49	0.42
14:cA:1117:CLA:H3A	14:cA:1117:CLA:HBA2	1.42	0.42
14:cA:1137:CLA:H71	17:cA:4008:BCR:H373	2.01	0.42
2:cB:60:TRP:HB2	14:cB:1205:CLA:H193	2.02	0.42
14:cB:1203:CLA:H111	14:cB:1203:CLA:H72	1.60	0.42
14:cB:1213:CLA:H142	14:cB:1213:CLA:H112	1.90	0.42
14:cB:1229:CLA:H2	14:cB:1229:CLA:H62	1.73	0.42
14:c1:510:CLA:H112	14:c1:510:CLA:H72	1.67	0.42
13:c2:156:ILE:HG12	14:c2:512:CLA:HMC2	2.01	0.42
17:c6:523:BCR:H361	17:c6:523:BCR:H20C	1.84	0.42
13:S:33:ALA:HB2	14:S:508:CLA:HAA2	2.00	0.42
14:S:503:CLA:H8	14:S:503:CLA:H51	1.79	0.42
13:T:205:TYR:OH	13:T:217:ASP:OD2	2.32	0.42
13:T:320:ASN:HB3	17:T:521:BCR:HC8	2.00	0.42
13:W:291:LEU:HD11	13:W:316:ALA:HA	2.02	0.42
17:a:523:BCR:H11C	17:a:523:BCR:H341	1.89	0.42
13:b:264:ILE:HG12	14:b:502:CLA:HAC1	2.00	0.42
13:b:312:HIS:HB2	13:b:317:TRP:CE2	2.54	0.42
13:d:147:TRP:CE2	13:d:253:ALA:HB2	2.53	0.42
14:d:516:CLA:H3A	14:d:516:CLA:HBA1	1.73	0.42
14:d:518:CLA:HBB1	14:d:519:CLA:HMC2	2.01	0.42
14:f:505:CLA:HBD	14:f:505:CLA:HBA1	2.01	0.42
17:m:522:BCR:H351	17:m:522:BCR:H15C	1.77	0.42
17:m:524:BCR:H15C	17:m:524:BCR:H351	1.68	0.42
17:m:524:BCR:H361	17:m:524:BCR:H20C	1.81	0.42
13:n:221:GLY:HA3	17:n:524:BCR:H402	2.01	0.42
13:o:322:HIS:NE2	14:o:502:CLA:NA	2.67	0.42
1:aA:683:TRP:HZ3	14:aB:1012:CLA:HMD3	1.83	0.42
14:aA:1126:CLA:H72	14:aA:1126:CLA:H111	1.84	0.42
2:aB:526:VAL:HG21	2:aB:600:TYR:CE1	2.55	0.42
2:aB:638:LEU:HD22	2:aB:731:PHE:HA	2.01	0.42
14:a1:503:CLA:H152	14:a1:510:CLA:HBB2	2.00	0.42
14:a1:509:CLA:H3A	14:a1:509:CLA:HBA1	1.84	0.42
14:a2:503:CLA:H193	14:a2:510:CLA:HAB	2.00	0.42
17:a2:523:BCR:H11C	17:a2:523:BCR:H341	1.84	0.42
13:a3:317:TRP:CZ2	14:a3:504:CLA:HBA1	2.55	0.42
14:a3:502:CLA:H91	14:a3:502:CLA:H112	1.72	0.42
13:a4:181:LEU:HD13	14:a4:501:CLA:HED1	2.01	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:a4:278:ASN:O	13:a4:315:ARG:NH1	2.50	0.42
17:a4:524:BCR:H24C	17:a4:524:BCR:H371	1.88	0.42
1:bA:226:LEU:O	1:bA:231:VAL:HG23	2.18	0.42
1:bA:601:TRP:CH2	14:bA:1022:CLA:HAB	2.54	0.42
14:bA:1126:CLA:H72	14:bA:1126:CLA:H111	1.83	0.42
14:bB:1218:CLA:HMD2	17:bB:4004:BCR:H23C	2.02	0.42
17:bB:4004:BCR:H11C	17:bB:4004:BCR:H341	1.82	0.42
17:bB:4006:BCR:H24C	17:bB:4006:BCR:H371	1.71	0.42
11:bM:16:LEU:HD11	17:bM:4021:BCR:H373	2.02	0.42
14:b2:518:CLA:H3A	14:b2:518:CLA:O2A	2.18	0.42
13:b3:196:THR:HG22	13:b3:217:ASP:HA	2.01	0.42
14:b4:502:CLA:HBB2	14:b4:510:CLA:H141	2.02	0.42
14:b6:510:CLA:H41	14:b6:510:CLA:H61	1.69	0.42
2:cB:340:TRP:HE1	14:cB:1221:CLA:C2B	2.33	0.42
2:cB:473:LYS:HE2	2:cB:475:LEU:HD11	2.01	0.42
13:c2:150:PRO:HB2	13:c2:241:PRO:HD2	2.02	0.42
13:c3:125:HIS:CE1	14:c3:513:CLA:NA	2.88	0.42
13:c3:322:HIS:NE2	14:c3:502:CLA:ND	2.67	0.42
14:c4:509:CLA:H141	14:c4:509:CLA:H162	1.78	0.42
14:c5:502:CLA:H143	14:c5:503:CLA:HHB	2.01	0.42
14:c5:503:CLA:H62	14:c5:503:CLA:H41	1.68	0.42
13:c6:64:GLU:HB3	13:c6:79:LEU:HD22	2.01	0.42
13:c6:125:HIS:HA	13:c6:129:ALA:HB3	2.01	0.42
13:c6:291:LEU:HD11	13:c6:316:ALA:HA	2.00	0.42
13:c6:336:HIS:CE1	14:c6:508:CLA:NA	2.87	0.42
17:c6:523:BCR:H11C	17:c6:523:BCR:H341	1.84	0.42
14:c6:519:CLA:CGA	14:c6:519:CLA:H3A	2.48	0.42
13:T:249:LEU:HD21	17:T:524:BCR:H322	2.01	0.42
14:T:518:CLA:H3A	14:T:518:CLA:C1	2.49	0.42
14:U:501:CLA:HMB1	17:U:524:BCR:H23C	2.02	0.42
17:U:522:BCR:H15C	17:U:522:BCR:H351	1.70	0.42
13:Z:47:VAL:HG22	14:Z:512:CLA:HED1	2.01	0.42
14:a:518:CLA:H61	14:a:518:CLA:H41	1.70	0.42
13:b:163:PHE:CE2	14:b:512:CLA:HHB	2.54	0.42
14:d:510:CLA:H112	14:d:510:CLA:H72	1.76	0.42
13:e:221:GLY:C	17:e:524:BCR:H383	2.44	0.42
13:e:257:LEU:HD22	14:e:509:CLA:HBC3	2.02	0.42
13:f:54:VAL:HB	13:f:115:SER:HB3	2.01	0.42
13:f:71:ASP:OD1	13:f:71:ASP:N	2.53	0.42
13:h:32:ASN:HB3	14:h:509:CLA:HAB	2.01	0.42
13:j:322:HIS:CD2	14:j:502:CLA:ND	2.88	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:k:522:BCR:H24C	17:k:522:BCR:H371	1.80	0.42
17:l:521:BCR:H11C	17:l:521:BCR:H341	1.81	0.42
13:m:47:VAL:HG22	14:m:512:CLA:HED1	2.01	0.42
13:m:336:HIS:HE1	14:m:508:CLA:NA	2.17	0.42
13:p:46:HIS:CE1	14:p:509:CLA:NB	2.87	0.42
13:p:125:HIS:HA	13:p:129:ALA:HB3	2.01	0.42
17:q:521:BCR:H24C	17:q:521:BCR:H371	1.80	0.42
1:aA:141:SER:HA	14:aA:1126:CLA:HMA2	2.01	0.42
2:aB:320:ASN:ND2	18:aX:4021:LHG:O4	2.53	0.42
2:aB:599:PHE:CE2	2:aB:631:LEU:HD21	2.54	0.42
14:aB:1207:CLA:HHC	14:aB:1207:CLA:CBB	2.50	0.42
14:aB:1209:CLA:O2D	14:aB:1209:CLA:H2A	2.20	0.42
14:aB:1213:CLA:HBC1	14:aB:1214:CLA:H172	2.02	0.42
13:a1:85:LEU:HD22	13:a1:107:ILE:HD13	2.00	0.42
13:a2:88:LEU:HD13	14:a2:502:CLA:H142	2.02	0.42
17:a4:523:BCR:H24C	17:a4:523:BCR:H371	1.86	0.42
2:bB:381:TYR:CD2	14:bB:1224:CLA:HAB	2.55	0.42
14:bB:1203:CLA:H72	14:bB:1203:CLA:H111	1.58	0.42
14:bB:1208:CLA:H61	14:bB:1208:CLA:H2	1.80	0.42
14:bB:1214:CLA:H91	14:bB:1214:CLA:H111	1.66	0.42
13:b4:133:LEU:HB2	13:b4:144:HIS:HB2	2.00	0.42
13:b4:163:PHE:CE1	14:b4:512:CLA:HHB	2.54	0.42
14:b5:512:CLA:H3A	14:b5:512:CLA:HBA1	1.47	0.42
1:cA:446:TRP:HH2	14:cA:1136:CLA:H141	1.85	0.42
14:cA:1140:CLA:H142	14:cA:1140:CLA:H111	1.87	0.42
14:cB:1206:CLA:H52	17:cI:4018:BCR:H342	2.02	0.42
3:cC:66:ARG:HD2	3:cC:66:ARG:HA	1.74	0.42
17:cI:4019:BCR:H20C	17:cI:4019:BCR:H361	1.85	0.42
14:c1:501:CLA:H143	14:c1:501:CLA:H161	1.92	0.42
17:c2:522:BCR:H11C	17:c2:522:BCR:H341	1.86	0.42
13:c3:322:HIS:NE2	14:c3:502:CLA:NA	2.67	0.42
13:c5:221:GLY:HA3	17:c5:524:BCR:H402	2.01	0.42
13:S:36:VAL:HG13	14:S:509:CLA:HAC2	2.01	0.42
13:T:246:ARG:HA	13:T:251:PHE:CE1	2.55	0.42
13:T:322:HIS:CD2	14:T:502:CLA:ND	2.88	0.42
13:X:312:HIS:HB2	13:X:317:TRP:NE1	2.33	0.42
13:Z:54:VAL:HB	13:Z:115:SER:HB3	2.01	0.42
13:b:106:VAL:HG13	17:b:523:BCR:H313	2.02	0.42
13:d:117:VAL:HB	17:d:523:BCR:H362	2.02	0.42
17:d:521:BCR:H361	17:d:521:BCR:H20C	1.82	0.42
17:e:523:BCR:H15C	17:e:523:BCR:H351	1.78	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:l:206:GLN:HG2	14:l:517:CLA:C2D	2.48	0.42
17:l:523:BCR:H11C	17:l:523:BCR:H341	1.79	0.42
13:m:105:PHE:CE2	17:m:523:BCR:HC31	2.55	0.42
13:m:349:GLU:HB3	20:m:822:SQD:H102	2.00	0.42
2:aB:254:ILE:HG13	2:aB:255:LEU:HG	2.01	0.42
2:aB:340:TRP:HE1	14:aB:1221:CLA:C2B	2.32	0.42
2:aB:466:PHE:O	2:aB:470:ALA:N	2.43	0.42
13:a2:282:TYR:O	13:a2:315:ARG:NH2	2.46	0.42
14:a2:505:CLA:H11	14:a2:505:CLA:HBA2	1.86	0.42
17:a3:524:BCR:H341	17:a3:524:BCR:H11C	1.70	0.42
13:a4:88:LEU:O	13:a4:174:LYS:NZ	2.48	0.42
14:a4:510:CLA:H41	14:a4:510:CLA:H61	1.46	0.42
17:a6:524:BCR:H341	17:a6:524:BCR:H11C	1.78	0.42
1:bA:451:LEU:HD13	1:bA:544:PHE:HA	2.02	0.42
1:bA:501:THR:OG1	14:bA:1133:CLA:OBD	2.32	0.42
17:bA:4002:BCR:H361	17:bA:4002:BCR:H20C	1.79	0.42
14:bA:1022:CLA:H111	14:bA:1022:CLA:H142	1.80	0.42
14:bB:1012:CLA:HMA1	14:bB:1021:CLA:H162	2.01	0.42
9:bK:19:VAL:HG22	9:bK:70:ALA:HB1	2.02	0.42
13:b3:86:ALA:HB1	13:b3:92:ILE:HD11	2.00	0.42
13:b4:317:TRP:CH2	14:b4:504:CLA:HBA1	2.54	0.42
13:b5:336:HIS:HE1	14:b5:508:CLA:NA	2.17	0.42
14:b6:502:CLA:H11	14:b6:503:CLA:H161	2.00	0.42
1:cA:197:LEU:HD12	1:cA:325:LEU:HD11	2.02	0.42
14:cA:1117:CLA:H121	14:cA:1119:CLA:CBB	2.49	0.42
14:cA:1118:CLA:H61	14:cA:1118:CLA:H41	1.78	0.42
17:cA:4011:BCR:H15C	17:cA:4011:BCR:H351	1.80	0.42
2:cB:435:PHE:HZ	17:cF:4014:BCR:H372	1.85	0.42
14:cB:1214:CLA:H101	14:cB:1214:CLA:H62	1.78	0.42
17:cB:4005:BCR:H20C	17:cB:4005:BCR:H361	1.88	0.42
17:cI:4020:BCR:C20	14:cL:1502:CLA:HAB	2.49	0.42
13:c1:221:GLY:C	17:c1:524:BCR:H383	2.45	0.42
14:c1:516:CLA:H12	14:c1:516:CLA:HBA2	1.55	0.42
17:c2:523:BCR:H351	17:c2:523:BCR:H15C	1.80	0.42
14:c5:509:CLA:H141	14:c5:512:CLA:HMD3	2.01	0.42
17:c5:524:BCR:H11C	17:c5:524:BCR:H341	1.75	0.42
13:c6:299:PRO:HG2	13:c6:323:PHE:CZ	2.55	0.42
14:c6:518:CLA:H3A	14:c6:518:CLA:O2A	2.20	0.42
13:T:49:GLN:HG2	14:T:509:CLA:HHB	2.00	0.42
13:V:221:GLY:C	17:V:524:BCR:H383	2.43	0.42
14:W:518:CLA:H41	14:W:518:CLA:H61	1.59	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:X:63:TYR:HE1	14:X:504:CLA:HED3	1.84	0.42
13:Y:322:HIS:NE2	14:Y:502:CLA:ND	2.68	0.42
13:Y:329:PHE:CE1	14:Y:510:CLA:H102	2.53	0.42
13:a:217:ASP:N	13:a:217:ASP:OD1	2.53	0.42
13:b:322:HIS:CD2	14:b:502:CLA:ND	2.88	0.42
14:c:516:CLA:H3A	14:c:516:CLA:HBA1	1.75	0.42
17:d:524:BCR:H11C	17:d:524:BCR:H341	1.68	0.42
13:e:322:HIS:CD2	14:e:502:CLA:ND	2.87	0.42
13:h:112:LEU:HG	17:h:522:BCR:H12C	2.00	0.42
13:h:324:PHE:CD2	17:h:521:BCR:H10C	2.54	0.42
13:j:112:LEU:HG	17:j:522:BCR:H12C	2.01	0.42
13:k:35:PHE:HZ	14:k:509:CLA:HAB	1.84	0.42
13:m:322:HIS:NE2	14:m:502:CLA:NA	2.68	0.42
13:p:242:LEU:O	13:p:246:ARG:HG3	2.19	0.42
13:q:327:PHE:O	13:q:331:GLN:HG2	2.20	0.42
1:aA:569:LYS:NZ	1:aA:589:VAL:O	2.44	0.42
1:aA:654:LEU:HD11	14:aA:1011:CLA:H72	2.01	0.42
14:aA:1106:CLA:H61	14:aA:1106:CLA:H92	1.66	0.42
14:aA:1115:CLA:H102	14:aK:1401:CLA:HMD2	2.01	0.42
14:aA:1120:CLA:C1D	17:aK:4001:BCR:H382	2.50	0.42
14:aA:1139:CLA:H11	14:aA:1139:CLA:H51	1.78	0.42
18:aA:5005:LHG:HC82	13:a2:300:TYR:CD1	2.55	0.42
2:aB:415:VAL:HA	2:aB:418:HIS:CE1	2.53	0.42
2:aB:555:PRO:HD2	3:aC:62:PHE:CE1	2.55	0.42
14:aB:1238:CLA:H51	14:aB:1239:CLA:H121	2.01	0.42
14:aB:1238:CLA:HAB	15:aB:2002:PQN:H162	2.02	0.42
17:aK:4001:BCR:H15C	17:aK:4001:BCR:H351	1.86	0.42
14:aL:1503:CLA:H111	14:aL:1503:CLA:H143	1.73	0.42
13:a2:221:GLY:HA3	17:a2:524:BCR:H402	2.01	0.42
14:a3:501:CLA:H92	14:a3:501:CLA:H62	1.87	0.42
13:a4:60:PHE:HE1	14:a5:519:CLA:HAA2	1.84	0.42
13:a4:328:PHE:CE1	14:a4:518:CLA:HAB	2.54	0.42
14:a4:501:CLA:H193	14:a4:507:CLA:HBB1	2.02	0.42
14:a4:509:CLA:H141	14:a4:512:CLA:HMD3	2.01	0.42
13:a5:41:LEU:HB3	14:a5:511:CLA:HMA1	2.01	0.42
13:a5:182:TYR:HA	13:a5:189:VAL:HA	2.01	0.42
13:a5:329:PHE:CE1	14:a5:510:CLA:H102	2.55	0.42
14:a5:508:CLA:H93	17:a5:521:BCR:H21C	2.01	0.42
14:a6:501:CLA:H92	14:a6:501:CLA:H62	1.93	0.42
1:bA:141:SER:HA	14:bA:1126:CLA:HMA2	2.00	0.42
1:bA:461:HIS:HE1	14:bA:1132:CLA:C1A	2.33	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:bA:684:ALA:HB3	14:bA:1013:CLA:HBB2	2.02	0.42
14:bA:1123:CLA:H92	14:bA:1123:CLA:H61	1.81	0.42
14:bA:1130:CLA:H41	14:bA:1130:CLA:H61	1.51	0.42
14:bB:1202:CLA:H3A	14:bB:1202:CLA:HBA1	1.32	0.42
17:bB:4010:BCR:H371	17:bB:4010:BCR:H24C	1.83	0.42
4:bD:25:GLU:HG2	4:bD:26:GLU:HG2	2.01	0.42
14:b5:503:CLA:H62	14:b5:503:CLA:H41	1.74	0.42
1:cA:211:ALA:O	14:cA:1112:CLA:HMC3	2.20	0.42
14:cA:1106:CLA:H92	14:cA:1106:CLA:H61	1.72	0.42
14:cA:1113:CLA:H3A	14:cA:1113:CLA:HBA2	1.78	0.42
18:cA:5001:LHG:H162	18:cA:5001:LHG:H132	1.91	0.42
2:cB:77:TRP:HZ3	2:cB:125:TYR:HB2	1.85	0.42
2:cB:285:ILE:O	2:cB:289:HIS:ND1	2.52	0.42
14:cB:1206:CLA:H162	14:cB:1206:CLA:H141	1.81	0.42
4:cD:116:VAL:HG12	4:cD:118:ARG:HG2	2.01	0.42
13:c1:117:VAL:HG22	14:c2:505:CLA:H61	2.02	0.42
13:c1:328:PHE:CE2	17:c1:521:BCR:H16C	2.55	0.42
13:c6:275:CYS:O	13:c6:315:ARG:NH1	2.51	0.42
13:S:85:LEU:HD11	14:S:503:CLA:HED3	2.01	0.42
13:T:109:ALA:HB1	17:T:522:BCR:H322	2.01	0.42
17:T:523:BCR:H11C	17:T:523:BCR:H341	1.81	0.42
13:U:80:ILE:HB	13:U:318:LEU:HD21	2.02	0.42
13:U:215:LEU:H	13:U:215:LEU:HD12	1.85	0.42
13:V:297:ILE:HB	14:V:519:CLA:C1D	2.49	0.42
14:V:505:CLA:H112	14:V:505:CLA:H142	1.78	0.42
17:V:524:BCR:H15C	17:V:524:BCR:H351	1.71	0.42
13:W:264:ILE:HG12	14:W:502:CLA:HAC1	2.01	0.42
13:Z:225:ILE:HD13	13:Z:225:ILE:HA	1.88	0.42
13:a:141:ARG:O	13:a:141:ARG:NH1	2.50	0.42
13:a:236:HIS:HE1	14:a:506:CLA:C1A	2.32	0.42
17:a:524:BCR:H20C	17:a:524:BCR:H361	1.87	0.42
13:c:236:HIS:HE1	14:c:506:CLA:C1A	2.33	0.42
13:f:344:ASN:ND2	13:f:346:LYS:HB2	2.34	0.42
13:l:105:PHE:HZ	17:l:522:BCR:HC21	1.85	0.42
13:m:139:ARG:HD2	13:m:139:ARG:HA	1.81	0.42
13:o:322:HIS:CD2	14:o:502:CLA:ND	2.87	0.42
17:o:521:BCR:H11C	17:o:521:BCR:H341	1.87	0.42
13:p:206:GLN:HG2	14:p:517:CLA:C2D	2.49	0.42
1:aA:461:HIS:HE1	14:aA:1132:CLA:C1A	2.33	0.42
14:aA:1131:CLA:H112	14:aA:1131:CLA:H152	1.82	0.42
17:aA:4007:BCR:H392	18:aA:5002:LHG:H322	2.00	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:aA:1237:CLA:H151	10:aL:86:LEU:HD11	2.02	0.42
2:aB:77:TRP:HZ3	2:aB:125:TYR:HB2	1.84	0.42
2:aB:361:PRO:HG3	14:aB:1215:CLA:HBA1	2.01	0.42
5:aE:12:ARG:NH2	5:aE:65:GLU:OE1	2.46	0.42
14:aL:1503:CLA:H52	14:aL:1503:CLA:H8	1.85	0.42
13:a1:163:PHE:CE2	14:a1:512:CLA:HHB	2.55	0.42
13:a3:291:LEU:HG	13:a3:315:ARG:HD2	2.01	0.42
13:a4:55:PHE:HE2	14:a5:519:CLA:HBA1	1.84	0.42
13:a5:32:ASN:HD21	14:a5:511:CLA:C1C	2.33	0.42
13:a5:221:GLY:HA3	17:a5:524:BCR:H402	2.02	0.42
13:a5:291:LEU:HG	13:a5:315:ARG:HD2	2.01	0.42
13:a5:322:HIS:NE2	14:a5:502:CLA:ND	2.68	0.42
1:bA:140:THR:HG21	1:bA:748:LEU:HD22	2.01	0.42
1:bA:221:LEU:HB2	1:bA:222:PRO:HD3	2.02	0.42
1:bA:352:TRP:CE2	14:bA:1123:CLA:H18	2.55	0.42
14:bB:1229:CLA:HMB1	17:bF:4014:BCR:H10C	2.02	0.42
17:bM:4021:BCR:H361	17:bM:4021:BCR:H20C	1.78	0.42
13:b1:145:PHE:HA	13:b1:152:GLN:HG2	2.00	0.42
13:b1:229:LEU:O	13:b1:233:GLY:N	2.47	0.42
13:b1:322:HIS:CD2	14:b1:502:CLA:ND	2.88	0.42
13:b5:328:PHE:HE1	14:b5:518:CLA:HAB	1.85	0.42
14:b6:513:CLA:H2	17:b6:523:BCR:H281	2.02	0.42
1:cA:379:PRO:HG3	14:cA:1117:CLA:HBA1	2.02	0.42
1:cA:565:LEU:HD21	1:cA:586:THR:HG22	2.01	0.42
14:cA:1104:CLA:H112	14:cA:1104:CLA:H71	1.80	0.42
14:cA:1110:CLA:HBB2	14:cA:1118:CLA:H72	2.01	0.42
14:cA:1120:CLA:H61	14:cA:1120:CLA:H41	1.72	0.42
2:cB:526:VAL:HG21	2:cB:600:TYR:CE1	2.55	0.42
14:cB:1204:CLA:H111	17:cI:4018:BCR:HC21	2.01	0.42
14:c1:505:CLA:H11	14:c1:505:CLA:HBA2	1.72	0.42
17:c1:524:BCR:H20C	17:c1:524:BCR:H361	1.90	0.42
13:c2:125:HIS:CE1	14:c2:513:CLA:NA	2.88	0.42
14:c2:502:CLA:H12	14:c2:503:CLA:H42	2.01	0.42
13:c5:16:LEU:HG	13:c5:36:VAL:HG21	2.02	0.42
13:c5:344:ASN:HB3	13:c5:347:GLN:HG3	2.02	0.42
17:S:524:BCR:H20C	17:S:524:BCR:H361	1.87	0.42
13:T:199:PRO:HG3	13:T:224:TYR:OH	2.19	0.42
13:T:312:HIS:HB2	13:T:317:TRP:NE1	2.34	0.42
13:U:279:THR:HB	13:U:290:PRO:HG3	2.02	0.42
14:W:518:CLA:H3A	14:W:518:CLA:O2A	2.20	0.42
14:X:519:CLA:HBA1	14:X:519:CLA:H3A	1.58	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:Z:271:ALA:HA	14:Z:501:CLA:H12	2.02	0.42
13:b:26:TYR:O	13:b:34:ARG:NH2	2.53	0.42
13:b:142:ARG:NH2	14:b:516:CLA:O2A	2.52	0.42
13:b:318:LEU:HD23	14:b:504:CLA:HMB1	2.02	0.42
13:c:278:ASN:HD21	13:c:281:ALA:H	1.66	0.42
14:d:510:CLA:H2	14:d:510:CLA:O1D	2.20	0.42
13:f:317:TRP:CZ2	14:f:504:CLA:HBA1	2.55	0.42
13:g:221:GLY:C	17:g:524:BCR:H383	2.45	0.42
13:g:273:TYR:CZ	17:h:523:BCR:HC41	2.55	0.42
14:g:505:CLA:H112	14:g:505:CLA:H142	1.82	0.42
17:h:521:BCR:H20C	17:h:521:BCR:H361	1.85	0.42
17:h:524:BCR:H351	17:h:524:BCR:H15C	1.74	0.42
13:m:323:PHE:CE1	17:n:522:BCR:HC7	2.51	0.42
17:m:523:BCR:H20C	17:m:523:BCR:H361	1.89	0.42
13:o:276:ALA:HA	13:o:291:LEU:HD12	2.01	0.42
13:p:333:HIS:NE2	14:p:505:CLA:NC	2.68	0.42
14:aA:1128:CLA:H62	14:aA:1128:CLA:H41	1.85	0.42
14:aA:1128:CLA:H102	14:aA:1140:CLA:HAA2	2.00	0.42
17:aA:4003:BCR:H24C	17:aA:4003:BCR:H371	1.90	0.42
2:aB:43:TYR:CE2	2:aB:334:LEU:HD21	2.55	0.42
17:aJ:4013:BCR:H361	17:aJ:4013:BCR:H20C	1.82	0.42
17:a1:522:BCR:H24C	17:a1:522:BCR:H371	1.85	0.42
13:a2:291:LEU:HB3	13:a2:301:PHE:HB3	2.02	0.42
14:a2:501:CLA:H2	14:a2:501:CLA:C1B	2.49	0.42
13:a3:163:PHE:CE1	14:a3:512:CLA:HHB	2.55	0.42
14:a3:507:CLA:H92	14:a3:507:CLA:H62	1.75	0.42
13:a4:344:ASN:HD21	13:a4:346:LYS:HB2	1.84	0.42
13:a5:80:ILE:O	13:a5:84:HIS:ND1	2.52	0.42
13:a5:102:TYR:OH	13:a6:207:THR:O	2.37	0.42
14:a6:505:CLA:H11	14:a6:505:CLA:HBA2	1.77	0.42
14:bA:1122:CLA:H42	14:bA:1137:CLA:H72	2.02	0.42
14:bA:1140:CLA:H93	14:bA:1140:CLA:H112	1.75	0.42
14:bB:1205:CLA:HBA2	14:bB:1205:CLA:H141	2.01	0.42
14:bB:1225:CLA:H3A	14:bB:1225:CLA:HBA2	1.67	0.42
13:b1:144:HIS:O	13:b1:152:GLN:NE2	2.53	0.42
13:b1:266:LEU:HB2	14:b1:505:CLA:HMC1	2.02	0.42
17:b1:521:BCR:H24C	17:b1:521:BCR:H371	1.80	0.42
17:b1:523:BCR:H20C	17:b1:523:BCR:H361	1.88	0.42
13:b3:60:PHE:HE1	14:b4:519:CLA:HAA2	1.85	0.42
2:cB:193:HIS:HB2	14:cB:1211:CLA:CHC	2.49	0.42
14:cB:1227:CLA:H3A	14:cB:1228:CLA:OBD	2.20	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:cB:4004:BCR:H15C	17:cB:4004:BCR:H351	1.81	0.42
13:c1:236:HIS:HE1	14:c1:506:CLA:C1A	2.32	0.42
13:c2:229:LEU:HD23	14:c2:506:CLA:HMC3	2.02	0.42
13:c4:36:VAL:HG22	14:c4:509:CLA:HAC2	2.02	0.42
13:c4:60:PHE:HA	13:c4:63:TYR:HB3	2.02	0.42
13:c4:60:PHE:HE1	14:c5:519:CLA:HAA2	1.85	0.42
13:c4:291:LEU:HB3	13:c4:301:PHE:HB3	2.02	0.42
13:c6:143:PHE:CE1	14:c6:513:CLA:HBA1	2.55	0.42
13:S:143:PHE:CE1	14:S:513:CLA:HBA1	2.55	0.42
14:W:509:CLA:HBA1	14:W:509:CLA:H3A	1.85	0.42
13:Y:312:HIS:HB2	13:Y:317:TRP:NE1	2.35	0.42
14:Y:503:CLA:H162	14:Y:503:CLA:H122	1.58	0.42
13:Z:160:HIS:NE2	14:Z:512:CLA:NA	2.68	0.42
17:a:522:BCR:H11C	17:a:522:BCR:H341	1.73	0.42
17:a:524:BCR:H15C	17:a:524:BCR:H351	1.70	0.42
13:c:35:PHE:CZ	14:c:509:CLA:HAB	2.51	0.42
13:c:330:LEU:O	13:c:334:LEU:HG	2.20	0.42
17:e:523:BCR:H361	17:e:523:BCR:H20C	1.81	0.42
17:e:523:BCR:H371	17:e:523:BCR:H24C	1.81	0.42
13:f:32:ASN:HD21	14:f:511:CLA:C1C	2.32	0.42
13:j:158:GLY:HA2	13:j:233:GLY:HA2	2.01	0.42
17:k:522:BCR:H11C	17:k:522:BCR:H341	1.77	0.42
13:n:235:TRP:O	13:n:239:VAL:HB	2.20	0.42
13:p:236:HIS:HE1	14:p:506:CLA:C1A	2.33	0.42
13:q:46:HIS:NE2	14:q:509:CLA:ND	2.68	0.42
13:q:318:LEU:HD23	14:q:504:CLA:HMB1	2.02	0.42
2:aB:95:GLN:OE1	14:aB:1207:CLA:NB	2.53	0.42
14:aB:1227:CLA:C4D	18:aX:4021:LHG:HC81	2.50	0.42
10:aL:106:GLY:HA3	10:aL:114:THR:HG22	2.01	0.42
13:a1:264:ILE:HG12	14:a1:502:CLA:HAC1	2.02	0.42
14:a2:505:CLA:H2	17:a2:524:BCR:H331	2.02	0.42
13:a3:111:HIS:HE1	14:a3:503:CLA:NC	2.18	0.42
13:a3:329:PHE:HE1	14:a3:510:CLA:H102	1.84	0.42
13:a5:13:SER:OG	13:a5:14:ALA:N	2.51	0.42
17:a5:523:BCR:H15C	17:a5:523:BCR:H351	1.76	0.42
14:a6:518:CLA:H3A	14:a6:518:CLA:O2A	2.20	0.42
14:bA:1102:CLA:H162	14:bA:1102:CLA:H141	1.72	0.42
14:bA:1139:CLA:H41	14:bA:1139:CLA:H92	2.02	0.42
2:bB:209:TRP:HH2	17:bB:4006:BCR:H16C	1.84	0.42
2:bB:643:ASN:OD1	2:bB:643:ASN:N	2.53	0.42
14:bB:1207:CLA:O2A	14:bB:1207:CLA:H2A	2.17	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:bB:1222:CLA:H71	14:bB:1234:CLA:H8	2.02	0.42
4:bD:61:ARG:HB2	4:bD:64:GLN:HG3	2.01	0.42
14:b1:501:CLA:C4D	14:b1:503:CLA:H2	2.50	0.42
13:b2:159:HIS:NE2	14:b2:516:CLA:NB	2.68	0.42
13:b2:329:PHE:HE1	14:b2:510:CLA:H102	1.85	0.42
14:b5:504:CLA:H2	14:b5:504:CLA:H61	1.69	0.42
13:b6:333:HIS:NE2	14:b6:505:CLA:NC	2.68	0.42
1:cA:394:PHE:O	1:cA:398:MET:HG2	2.19	0.42
1:cA:513:PHE:HE1	14:cA:1135:CLA:HED3	1.84	0.42
14:cA:1129:CLA:HAB	14:cA:1137:CLA:CBB	2.50	0.42
18:cA:5004:LHG:H282	18:cA:5005:LHG:H292	2.01	0.42
2:cB:665:ALA:HB3	14:cB:1023:CLA:HBB2	2.02	0.42
14:cB:1227:CLA:H3A	14:cB:1227:CLA:HBA2	1.45	0.42
13:c1:329:PHE:HE1	14:c1:510:CLA:H102	1.83	0.42
14:c2:517:CLA:H3A	14:c2:517:CLA:HBA1	1.58	0.42
13:c4:175:ALA:HB2	13:c4:181:LEU:HG	2.01	0.42
14:c4:509:CLA:H141	14:c4:512:CLA:HMD3	2.01	0.42
13:c5:305:ILE:HG23	13:c5:307:LEU:HG	2.02	0.42
13:c6:312:HIS:HB2	13:c6:317:TRP:NE1	2.35	0.42
17:T:523:BCR:H20C	17:T:523:BCR:H361	1.81	0.42
13:U:305:ILE:HD12	13:U:305:ILE:HA	1.82	0.42
13:V:171:LEU:HD22	14:V:501:CLA:C1D	2.50	0.42
17:V:522:BCR:H24C	17:V:522:BCR:H371	1.82	0.42
13:W:344:ASN:ND2	13:W:346:LYS:HB2	2.35	0.42
17:W:521:BCR:H24C	17:W:521:BCR:H371	1.81	0.42
13:X:125:HIS:CE1	14:X:513:CLA:NA	2.87	0.42
17:X:521:BCR:H24C	17:X:521:BCR:H371	1.82	0.42
13:Y:271:ALA:HB2	14:Y:501:CLA:H43	2.01	0.42
13:Z:236:HIS:HE1	14:Z:506:CLA:C1A	2.32	0.42
14:Z:506:CLA:HAB	14:Z:507:CLA:H102	2.02	0.42
13:a:317:TRP:CZ2	14:a:504:CLA:HBA1	2.54	0.42
14:b:507:CLA:HED3	14:b:509:CLA:H92	2.01	0.42
14:c:509:CLA:H92	14:c:509:CLA:H62	1.84	0.42
13:d:291:LEU:HD11	13:d:316:ALA:HA	2.02	0.42
17:d:524:BCR:H20C	17:d:524:BCR:H361	1.83	0.42
13:e:322:HIS:NE2	14:e:502:CLA:NA	2.67	0.42
13:f:158:GLY:HA2	13:f:233:GLY:HA2	2.02	0.42
13:g:60:PHE:O	13:g:64:GLU:HG2	2.20	0.42
13:h:336:HIS:CE1	14:h:508:CLA:NA	2.88	0.42
17:h:523:BCR:H20C	17:h:523:BCR:H361	1.86	0.42
14:h:517:CLA:H3A	14:h:517:CLA:HBA1	1.44	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:i:521:BCR:H11C	17:i:521:BCR:H341	1.80	0.42
17:j:521:BCR:H11C	17:j:521:BCR:H341	1.77	0.42
13:l:222:HIS:HA	13:l:225:ILE:HG22	2.01	0.42
13:m:225:ILE:HD11	17:m:524:BCR:H372	2.02	0.42
13:n:336:HIS:CE1	14:n:508:CLA:NA	2.88	0.42
13:o:158:GLY:HA2	13:o:233:GLY:HA2	2.02	0.42
13:o:221:GLY:HA3	17:o:524:BCR:H402	2.02	0.42
14:q:510:CLA:H52	14:q:510:CLA:HMA3	2.02	0.42
1:aA:399:TRP:HZ3	1:aA:603:TYR:HA	1.84	0.41
1:aA:689:PHE:HA	15:aA:2001:PQN:H9	2.02	0.41
2:aB:25:ILE:HD13	17:aI:4019:BCR:H323	2.02	0.41
2:aB:592:ASN:HB2	14:aB:1012:CLA:HBC2	2.01	0.41
14:aB:1206:CLA:H141	14:aB:1206:CLA:H162	1.75	0.41
14:aB:1231:CLA:HBA1	14:aB:1232:CLA:HMB3	2.02	0.41
17:aB:4010:BCR:H15C	17:aB:4010:BCR:H351	1.73	0.41
10:aL:64:VAL:HG11	10:aL:140:LEU:HD13	2.02	0.41
13:a3:49:GLN:HG2	14:a3:509:CLA:HHB	2.02	0.41
14:bB:1238:CLA:H72	14:bB:1238:CLA:H111	1.82	0.41
17:b1:522:BCR:H24C	17:b1:522:BCR:H371	1.90	0.41
14:b3:512:CLA:O2D	14:b3:513:CLA:HBB2	2.19	0.41
14:b3:513:CLA:HMC1	17:b3:523:BCR:H372	2.02	0.41
14:b3:513:CLA:H2	17:b3:523:BCR:H271	2.00	0.41
13:b5:29:TRP:O	14:b5:508:CLA:H11	2.20	0.41
14:b5:503:CLA:H18	14:b5:510:CLA:HBB2	2.02	0.41
17:b5:522:BCR:H24C	17:b5:522:BCR:H371	1.88	0.41
1:cA:14:VAL:HG13	1:cA:189:TRP:CD1	2.54	0.41
14:cA:1140:CLA:H162	14:cA:1140:CLA:H141	1.77	0.41
2:cB:686:VAL:HG11	3:cC:81:TYR:CG	2.55	0.41
14:cB:1230:CLA:H62	14:cB:1230:CLA:H41	1.79	0.41
17:cF:4016:BCR:H15C	17:cF:4016:BCR:H12C	1.77	0.41
17:cF:4015:BCR:H361	17:cF:4015:BCR:H20C	1.83	0.41
14:cK:1103:CLA:HBA2	14:cK:1103:CLA:H3A	1.65	0.41
14:c4:501:CLA:H61	14:c4:501:CLA:H41	1.78	0.41
14:c4:509:CLA:H91	14:c4:512:CLA:HAA2	2.02	0.41
13:c6:56:TRP:CZ3	13:c6:81:LEU:HD21	2.55	0.41
13:c6:106:VAL:HG22	17:c6:523:BCR:HC22	2.01	0.41
13:S:330:LEU:O	13:S:334:LEU:HG	2.20	0.41
13:U:158:GLY:HA2	13:U:233:GLY:HA2	2.01	0.41
13:U:322:HIS:NE2	14:U:502:CLA:NA	2.67	0.41
14:Y:509:CLA:H141	14:Y:509:CLA:H162	1.84	0.41
14:Z:510:CLA:H41	14:Z:510:CLA:H61	1.64	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:a:324:PHE:CD2	17:a:521:BCR:H10C	2.55	0.41
13:c:141:ARG:HH22	13:c:146:ARG:NH2	2.15	0.41
17:c:524:BCR:H20C	17:c:524:BCR:H361	1.84	0.41
13:d:303:ASP:OD1	13:d:313:THR:OG1	2.23	0.41
13:e:203:TYR:HD1	14:e:517:CLA:HBD	1.85	0.41
17:f:523:BCR:H11C	17:f:523:BCR:H341	1.88	0.41
14:f:517:CLA:HBA1	14:f:517:CLA:H3A	1.78	0.41
13:g:222:HIS:NE2	14:g:501:CLA:NB	2.68	0.41
13:h:32:ASN:HD21	14:h:511:CLA:C1C	2.33	0.41
17:h:524:BCR:H24C	17:h:524:BCR:H371	1.86	0.41
13:j:16:LEU:HD11	14:j:508:CLA:HMA2	2.02	0.41
13:j:205:TYR:HE2	13:j:217:ASP:HB3	1.85	0.41
13:k:134:SER:HA	13:k:141:ARG:HD3	2.01	0.41
13:m:289:PRO:HG3	13:m:305:ILE:HB	2.02	0.41
14:m:512:CLA:HBA1	14:m:512:CLA:H3A	1.69	0.41
13:o:205:TYR:HD2	17:o:524:BCR:H401	1.84	0.41
13:o:266:LEU:HB2	14:o:505:CLA:HMC3	2.02	0.41
17:o:522:BCR:H24C	17:o:522:BCR:H371	1.87	0.41
13:p:291:LEU:HD23	13:p:303:ASP:HA	2.02	0.41
13:p:303:ASP:OD1	13:p:313:THR:OG1	2.29	0.41
17:p:524:BCR:H371	17:p:524:BCR:H24C	1.78	0.41
13:q:142:ARG:HH21	14:q:516:CLA:HAA2	1.84	0.41
13:q:221:GLY:C	17:q:524:BCR:H383	2.45	0.41
13:q:221:GLY:HA3	17:q:524:BCR:H402	2.02	0.41
1:aA:28:TRP:HZ2	14:aA:1102:CLA:H11	1.84	0.41
14:aA:1131:CLA:H61	14:aA:1131:CLA:H2	1.75	0.41
2:aB:340:TRP:HE1	14:aB:1221:CLA:HMB2	1.86	0.41
2:aB:445:ASP:OD1	2:aB:622:TYR:HB2	2.20	0.41
14:aB:1204:CLA:HMA2	14:aB:1206:CLA:HED1	2.01	0.41
14:aB:1209:CLA:H3A	14:aB:1209:CLA:HBA2	1.35	0.41
13:a1:18:THR:HB	13:a1:21:GLN:O	2.20	0.41
14:a1:511:CLA:HBB1	14:a1:511:CLA:HMB3	2.01	0.41
13:a2:221:GLY:C	17:a2:524:BCR:H383	2.44	0.41
14:a2:503:CLA:H121	14:a2:509:CLA:C3	2.49	0.41
13:a3:128:ARG:HD2	13:a3:128:ARG:HA	1.79	0.41
17:a6:523:BCR:H361	17:a6:523:BCR:H20C	1.86	0.41
1:bA:294:LEU:O	1:bA:297:THR:OG1	2.36	0.41
1:bA:719:PRO:HG2	14:bA:1139:CLA:HBC2	2.02	0.41
14:bA:1113:CLA:CAB	17:bK:4001:BCR:H333	2.50	0.41
14:bA:1115:CLA:CHD	14:bA:1116:CLA:HBB2	2.49	0.41
14:bB:1201:CLA:H2	11:bM:26:SER:HB2	2.02	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:bB:1207:CLA:HHC	14:bB:1207:CLA:CBB	2.50	0.41
14:bB:1229:CLA:H62	14:bB:1229:CLA:H2	1.73	0.41
6:bF:130:ILE:HG21	19:bJ:5105:LMU:H91	2.00	0.41
17:bI:4019:BCR:H401	10:bL:90:ALA:HB1	2.02	0.41
9:bK:6:LEU:HD23	9:bK:6:LEU:H	1.85	0.41
13:b1:303:ASP:OD2	13:b1:312:HIS:ND1	2.43	0.41
13:b2:128:ARG:NH2	13:b3:250:MET:SD	2.93	0.41
13:b2:241:PRO:HA	14:b2:506:CLA:HED3	2.02	0.41
14:b2:519:CLA:H3A	14:b2:519:CLA:HBA1	1.88	0.41
13:b6:147:TRP:CE2	13:b6:253:ALA:HB2	2.55	0.41
17:b6:524:BCR:H11C	17:b6:524:BCR:H341	1.66	0.41
1:cA:400:ILE:HG23	14:cA:1104:CLA:H143	2.01	0.41
2:cB:707:LEU:HD22	2:cB:711:GLN:NE2	2.35	0.41
14:cB:1206:CLA:H18	14:cB:1206:CLA:H151	1.89	0.41
14:cB:1207:CLA:HHC	14:cB:1207:CLA:CBB	2.49	0.41
14:cB:1215:CLA:H152	14:cB:1215:CLA:H111	1.84	0.41
15:cB:2002:PQN:H171	15:cB:2002:PQN:H211	1.66	0.41
10:cL:132:SER:OG	17:cL:4022:BCR:H19C	2.20	0.41
13:c1:229:LEU:HD21	14:c1:507:CLA:H71	2.01	0.41
13:c2:229:LEU:O	13:c2:233:GLY:N	2.43	0.41
14:c2:509:CLA:HBD	14:c2:509:CLA:H121	2.02	0.41
13:c5:132:ASP:OD1	13:c5:133:LEU:N	2.53	0.41
14:c5:518:CLA:H3A	14:c5:518:CLA:O2A	2.20	0.41
13:c6:164:LEU:HD21	14:c6:509:CLA:H61	2.01	0.41
13:S:41:LEU:HB3	14:S:511:CLA:HMA1	2.03	0.41
14:S:512:CLA:HBA1	14:S:512:CLA:H3A	1.84	0.41
13:V:113:ILE:O	13:V:117:VAL:HG23	2.20	0.41
13:X:329:PHE:HE1	14:X:510:CLA:H102	1.85	0.41
13:Z:205:TYR:OH	13:Z:217:ASP:OD2	2.30	0.41
13:Z:329:PHE:HA	14:Z:508:CLA:HMC1	2.01	0.41
13:b:73:PRO:HG2	13:b:76:GLU:HG3	2.02	0.41
13:b:312:HIS:HB2	13:b:317:TRP:NE1	2.35	0.41
13:c:49:GLN:OE1	14:c:510:CLA:NC	2.54	0.41
14:d:509:CLA:H162	14:d:509:CLA:H141	1.88	0.41
14:h:512:CLA:H3A	14:h:512:CLA:HBA1	1.44	0.41
13:i:205:TYR:HD1	13:i:205:TYR:HA	1.69	0.41
13:l:336:HIS:HE1	14:l:508:CLA:NA	2.17	0.41
14:l:502:CLA:H41	14:l:502:CLA:H62	1.85	0.41
14:l:512:CLA:H3A	14:l:512:CLA:HBA1	1.82	0.41
13:m:125:HIS:HA	13:m:129:ALA:HB3	2.01	0.41
13:o:32:ASN:HD21	14:o:511:CLA:C1C	2.33	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:aB:276:HIS:CE1	14:aB:1214:CLA:ND	2.88	0.41
3:aC:56:THR:HG21	5:aE:49:TYR:HD1	1.85	0.41
10:aL:145:VAL:HG21	10:cL:77:LEU:HD13	2.02	0.41
13:a1:183:ASP:O	13:a1:187:GLN:N	2.54	0.41
14:a1:502:CLA:H112	14:a1:502:CLA:H91	1.84	0.41
14:a2:510:CLA:H92	17:a2:521:BCR:H17C	2.02	0.41
17:a2:521:BCR:H24C	17:a2:521:BCR:H371	1.83	0.41
13:a4:329:PHE:HE1	14:a4:510:CLA:H102	1.85	0.41
13:a5:312:HIS:HB2	13:a5:317:TRP:NE1	2.35	0.41
1:bA:98:SER:HB3	1:bA:144:PHE:HZ	1.85	0.41
1:bA:364:GLY:HA3	1:bA:405:VAL:HG23	2.02	0.41
1:bA:417:VAL:HG11	1:bA:574:PHE:N	2.34	0.41
1:bA:435:ARG:NH1	4:bD:13:GLY:O	2.42	0.41
1:bA:650:LEU:HD22	2:bB:658:LEU:HD21	2.01	0.41
14:bA:1011:CLA:H62	14:bA:1011:CLA:H102	1.82	0.41
14:bA:1103:CLA:HBA2	14:bA:1103:CLA:H11	1.55	0.41
14:bA:1104:CLA:H112	14:bA:1104:CLA:H71	1.86	0.41
2:bB:125:TYR:O	2:bB:130:ARG:NH1	2.35	0.41
2:bB:528:HIS:CD2	17:bF:4015:BCR:HC21	2.56	0.41
14:bB:1205:CLA:H102	14:bB:1205:CLA:H2	2.02	0.41
14:bB:1209:CLA:H2A	14:bB:1209:CLA:CED	2.49	0.41
6:bF:86:PHE:C	6:bF:89:PRO:HD2	2.45	0.41
17:b1:523:BCR:H11C	17:b1:523:BCR:H341	1.82	0.41
14:b2:509:CLA:HBD	14:b2:509:CLA:H121	2.02	0.41
13:b3:125:HIS:CE1	14:b3:513:CLA:NA	2.88	0.41
13:b5:56:TRP:CZ3	13:b5:81:LEU:HD21	2.55	0.41
1:cA:267:PHE:CZ	17:cK:4001:BCR:H343	2.54	0.41
1:cA:601:TRP:HE1	14:cB:1023:CLA:C1D	2.33	0.41
2:cB:256:THR:OG1	2:cB:272:ASP:OD1	2.31	0.41
2:cB:455:LYS:HB3	14:cB:1230:CLA:HED1	2.02	0.41
17:cJ:4013:BCR:H20C	17:cJ:4013:BCR:H361	1.75	0.41
14:cX:1401:CLA:H3A	14:cX:1401:CLA:O2A	2.20	0.41
17:c1:521:BCR:H361	17:c1:521:BCR:H20C	1.80	0.41
13:c3:112:LEU:O	13:c3:115:SER:OG	2.35	0.41
14:c4:503:CLA:H203	14:c4:503:CLA:H161	1.79	0.41
13:c5:297:ILE:HG22	14:c5:519:CLA:HED3	2.02	0.41
13:c5:303:ASP:C	13:c5:305:ILE:H	2.28	0.41
13:T:215:LEU:HD12	13:T:215:LEU:H	1.86	0.41
14:V:519:CLA:HBA2	14:V:519:CLA:H3A	1.68	0.41
14:W:510:CLA:H141	14:W:510:CLA:H192	2.02	0.41
13:X:336:HIS:CE1	14:X:508:CLA:NA	2.88	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:Z:521:BCR:H11C	17:Z:521:BCR:H341	1.89	0.41
17:Z:521:BCR:H20C	17:Z:521:BCR:H361	1.81	0.41
14:a:503:CLA:H62	14:a:503:CLA:H101	1.57	0.41
14:a:509:CLA:H142	14:a:509:CLA:H112	1.83	0.41
13:b:16:LEU:HD11	14:b:508:CLA:HMA2	2.02	0.41
13:b:49:GLN:HG2	14:b:509:CLA:HHB	2.02	0.41
17:b:522:BCR:H15C	17:b:522:BCR:H351	1.77	0.41
14:d:512:CLA:H3A	14:d:512:CLA:HBA1	1.81	0.41
17:g:522:BCR:H20C	17:g:522:BCR:H361	1.91	0.41
13:h:213:ASN:HA	13:h:280:LEU:HD22	2.03	0.41
13:k:205:TYR:OH	13:k:217:ASP:OD2	2.34	0.41
17:m:523:BCR:H15C	17:m:523:BCR:H351	1.70	0.41
14:n:509:CLA:H141	14:n:512:CLA:HMD3	2.01	0.41
13:o:330:LEU:O	13:o:334:LEU:HG	2.20	0.41
13:o:336:HIS:HE1	14:o:508:CLA:NA	2.19	0.41
13:p:60:PHE:O	13:p:64:GLU:HG2	2.19	0.41
13:p:72:LEU:HB2	13:p:77:GLN:HE21	1.85	0.41
13:q:330:LEU:O	13:q:334:LEU:HG	2.20	0.41
14:q:502:CLA:HBB2	14:q:510:CLA:H141	2.03	0.41
1:aA:45:THR:HG21	14:aA:1139:CLA:HBB1	2.02	0.41
1:aA:710:LYS:NZ	6:aF:156:ASP:OD1	2.42	0.41
14:aA:1135:CLA:H3A	14:aA:1136:CLA:HAA2	2.02	0.41
2:aB:230:TRP:HH2	14:aB:1213:CLA:H122	1.86	0.41
14:aB:1207:CLA:O2A	14:aB:1207:CLA:H2A	2.19	0.41
14:aB:1209:CLA:H2A	14:aB:1209:CLA:CED	2.51	0.41
17:aJ:4013:BCR:H11C	17:aJ:4013:BCR:H341	1.86	0.41
17:aK:4001:BCR:H20C	17:aK:4001:BCR:H361	1.91	0.41
13:a2:31:GLY:HA3	14:a2:511:CLA:HMD2	2.02	0.41
13:a5:47:VAL:HG22	14:a5:512:CLA:HED1	2.00	0.41
13:a5:222:HIS:HA	13:a5:225:ILE:HB	2.02	0.41
1:bA:577:PRO:HB3	1:bA:724:ILE:HB	2.01	0.41
14:bB:1205:CLA:CGA	14:bB:1205:CLA:C1A	2.98	0.41
14:bB:1230:CLA:H41	14:bB:1230:CLA:H62	1.81	0.41
17:bB:4017:BCR:H11C	17:bB:4017:BCR:H341	1.88	0.41
17:bF:4014:BCR:H11C	17:bF:4014:BCR:H341	1.92	0.41
17:bF:4014:BCR:HC22	17:bF:4015:BCR:H363	2.02	0.41
14:bL:1503:CLA:H111	14:bL:1503:CLA:H143	1.76	0.41
17:b2:522:BCR:H24C	17:b2:522:BCR:H371	1.80	0.41
13:b4:192:ILE:HG22	13:b4:195:PRO:HD3	2.02	0.41
13:b4:291:LEU:HG	13:b4:315:ARG:HD2	2.02	0.41
17:b4:523:BCR:H20C	17:b4:523:BCR:H361	1.87	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:b5:171:LEU:HD22	14:b5:501:CLA:C1D	2.50	0.41
13:b5:222:HIS:NE2	14:b5:501:CLA:NB	2.68	0.41
1:cA:581:PRO:HD3	2:cB:568:GLY:HA2	2.02	0.41
14:cA:1237:CLA:H201	10:cL:55:HIS:HD2	1.84	0.41
2:cB:361:PRO:HG3	14:cB:1215:CLA:HBA1	2.02	0.41
2:cB:385:PHE:CE2	2:cB:587:MET:HE1	2.55	0.41
14:cB:1203:CLA:H162	14:cB:1203:CLA:H141	1.78	0.41
14:cB:1226:CLA:H161	14:cB:1226:CLA:H141	1.88	0.41
13:c1:60:PHE:O	13:c1:64:GLU:HG2	2.20	0.41
13:c2:322:HIS:CD2	14:c2:502:CLA:ND	2.88	0.41
13:c4:320:ASN:HB3	17:c4:521:BCR:HC8	2.02	0.41
13:c6:74:MET:HE2	13:c6:286:PHE:HD1	1.85	0.41
17:T:524:BCR:H20C	17:T:524:BCR:H361	1.83	0.41
13:U:125:HIS:CE1	14:U:513:CLA:NB	2.88	0.41
14:U:505:CLA:HBA1	13:e:120:ALA:O	2.20	0.41
13:W:221:GLY:HA3	17:W:524:BCR:H402	2.02	0.41
17:X:521:BCR:H351	17:X:521:BCR:H15C	1.74	0.41
17:X:524:BCR:H371	17:X:524:BCR:H24C	1.88	0.41
13:Y:120:ALA:O	14:Z:505:CLA:HBA1	2.21	0.41
14:Y:501:CLA:HBB1	14:Y:507:CLA:H41	2.03	0.41
13:b:344:ASN:O	13:b:347:GLN:HG2	2.21	0.41
14:d:502:CLA:HBD	14:d:503:CLA:H43	2.02	0.41
13:e:160:HIS:NE2	14:e:512:CLA:NA	2.67	0.41
13:e:195:PRO:HA	13:e:216:GLU:HB3	2.02	0.41
13:h:222:HIS:NE2	14:h:501:CLA:NB	2.69	0.41
17:h:522:BCR:H24C	17:h:522:BCR:H371	1.84	0.41
13:k:47:VAL:HG22	14:k:512:CLA:HED1	2.03	0.41
17:k:523:BCR:H24C	17:k:523:BCR:H371	1.86	0.41
17:k:524:BCR:H24C	17:k:524:BCR:H371	1.86	0.41
13:p:215:LEU:H	13:p:215:LEU:HD12	1.86	0.41
17:p:524:BCR:H15C	17:p:524:BCR:H351	1.73	0.41
17:q:524:BCR:H15C	17:q:524:BCR:H351	1.69	0.41
1:aA:211:ALA:O	14:aA:1112:CLA:HMC3	2.20	0.41
14:aA:1104:CLA:H71	14:aA:1104:CLA:H112	1.78	0.41
14:aA:1115:CLA:H41	14:aA:1115:CLA:H62	1.44	0.41
19:aA:1849:LMU:O1B	19:aA:1849:LMU:O6'	2.38	0.41
2:aB:355:HIS:NE2	14:aB:1223:CLA:NB	2.67	0.41
2:aB:686:VAL:HG11	3:aC:81:TYR:CG	2.55	0.41
14:aB:1205:CLA:H141	14:aB:1205:CLA:HBA2	2.02	0.41
3:aC:34:CYS:SG	3:aC:35:LYS:N	2.93	0.41
17:aF:4016:BCR:H12C	17:aF:4016:BCR:H15C	1.80	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
10:aL:46:LEU:HD11	14:aL:1501:CLA:HED1	2.02	0.41
17:aL:4022:BCR:H24C	17:aL:4022:BCR:H371	1.88	0.41
13:a1:156:ILE:HG12	14:a1:512:CLA:HMC2	2.02	0.41
14:a2:503:CLA:H13	14:a2:503:CLA:H102	1.85	0.41
13:a3:312:HIS:HB2	13:a3:317:TRP:NE1	2.35	0.41
14:a3:518:CLA:H3A	14:a3:518:CLA:O2A	2.21	0.41
13:a4:41:LEU:HB3	14:a4:511:CLA:HMA1	2.01	0.41
13:a4:57:ALA:O	13:a4:61:THR:OG1	2.24	0.41
13:a6:234:ILE:O	13:a6:238:LEU:HG	2.21	0.41
17:a6:521:BCR:H351	17:a6:521:BCR:H15C	1.71	0.41
2:bB:308:LYS:NZ	2:bB:316:GLU:O	2.50	0.41
14:bB:1221:CLA:H91	14:bB:1221:CLA:H112	1.63	0.41
4:bD:34:SER:OG	4:bD:36:LYS:O	2.37	0.41
6:bF:24:ASP:OD1	6:bF:24:ASP:N	2.53	0.41
10:bL:55:HIS:HA	10:bL:58:PHE:HE1	1.86	0.41
17:b1:521:BCR:H20C	17:b1:521:BCR:H361	1.89	0.41
14:b2:509:CLA:H142	14:b2:509:CLA:H112	1.86	0.41
14:b2:512:CLA:H3A	14:b2:512:CLA:HBA1	1.64	0.41
14:b4:509:CLA:H141	14:b4:509:CLA:H162	1.80	0.41
13:b5:14:ALA:HB1	13:b5:147:TRP:HB2	2.02	0.41
13:b5:49:GLN:OE1	14:b5:510:CLA:NC	2.54	0.41
13:b5:221:GLY:C	17:b5:524:BCR:H383	2.46	0.41
2:cB:467:ILE:HD11	14:cB:1234:CLA:H12	2.03	0.41
2:cB:643:ASN:N	2:cB:643:ASN:OD1	2.53	0.41
4:cD:86:ILE:HG12	4:cD:92:THR:HG22	2.01	0.41
10:cL:50:GLU:OE2	14:cL:1501:CLA:ND	2.53	0.41
14:c2:505:CLA:HBA2	14:c2:505:CLA:H11	1.84	0.41
17:c2:524:BCR:H20C	17:c2:524:BCR:H361	1.90	0.41
13:c3:41:LEU:HB3	14:c3:511:CLA:HMA1	2.02	0.41
13:c4:194:GLN:HG3	13:f311:GLN:HA	2.01	0.41
13:c4:275:CYS:O	13:c4:315:ARG:NH1	2.49	0.41
14:T:517:CLA:O2D	14:T:517:CLA:H2A	2.20	0.41
14:W:508:CLA:H2	14:W:510:CLA:H12	2.02	0.41
14:X:502:CLA:H11	14:X:503:CLA:H161	2.02	0.41
13:Y:330:LEU:O	13:Y:334:LEU:HG	2.20	0.41
14:Y:509:CLA:H93	14:Y:509:CLA:H62	1.81	0.41
13:Z:117:VAL:HG22	14:a:505:CLA:H8	2.02	0.41
14:a:503:CLA:H62	14:a:503:CLA:H41	1.85	0.41
13:d:344:ASN:ND2	13:d:346:LYS:HB2	2.36	0.41
13:e:113:ILE:O	13:e:117:VAL:HG23	2.20	0.41
13:h:150:PRO:HB2	13:h:241:PRO:HG2	2.02	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:i:521:BCR:H361	17:i:521:BCR:H20C	1.77	0.41
13:k:158:GLY:HA3	13:k:237:ILE:HG13	2.02	0.41
13:k:171:LEU:HD22	14:k:501:CLA:C1D	2.49	0.41
13:m:88:LEU:O	13:m:174:LYS:NZ	2.37	0.41
13:m:125:HIS:NE2	14:m:513:CLA:NC	2.68	0.41
13:m:249:LEU:HD21	17:m:524:BCR:H322	2.02	0.41
17:n:521:BCR:H11C	17:n:521:BCR:H341	1.84	0.41
13:q:312:HIS:HB2	13:q:317:TRP:NE1	2.35	0.41
17:q:522:BCR:H11C	17:q:522:BCR:H341	1.82	0.41
1:aA:313:HIS:NE2	14:aA:1118:CLA:NC	2.68	0.41
17:aA:4007:BCR:H15C	17:aA:4007:BCR:H351	1.76	0.41
19:aA:1849:LMU:H91	19:aA:1849:LMU:H62	1.85	0.41
2:aB:536:THR:HG21	2:aB:589:TRP:CZ2	2.56	0.41
2:aB:565:PRO:HB3	2:aB:709:ILE:HB	2.02	0.41
14:aB:1235:CLA:H2	14:aB:1235:CLA:H62	1.66	0.41
17:aB:4004:BCR:H11C	17:aB:4004:BCR:H341	1.84	0.41
17:aB:4017:BCR:H15C	17:aB:4017:BCR:H351	1.81	0.41
17:a1:524:BCR:H11C	17:a1:524:BCR:H341	1.76	0.41
14:a3:508:CLA:H72	17:a3:521:BCR:H23C	2.01	0.41
17:a3:522:BCR:H15C	17:a3:522:BCR:H351	1.81	0.41
13:a4:47:VAL:HG22	14:a4:512:CLA:HED1	2.02	0.41
14:a4:509:CLA:H141	14:a4:509:CLA:H162	1.83	0.41
17:a5:524:BCR:H11C	17:a5:524:BCR:H341	1.77	0.41
13:a6:329:PHE:CE1	14:a6:510:CLA:H102	2.55	0.41
14:a6:501:CLA:C1B	14:a6:501:CLA:H2	2.51	0.41
14:a6:509:CLA:HBA1	14:a6:509:CLA:H3A	1.71	0.41
1:bA:360:LEU:HD11	1:bA:404:LEU:HD22	2.01	0.41
2:bB:87:ILE:O	2:bB:121:TYR:OH	2.29	0.41
14:bB:1223:CLA:H152	17:bB:4009:BCR:H373	2.02	0.41
14:bB:1225:CLA:H43	17:bB:4005:BCR:H24C	2.02	0.41
15:bB:2002:PQN:H171	15:bB:2002:PQN:H211	1.88	0.41
14:b2:510:CLA:H192	14:b2:510:CLA:H162	1.80	0.41
17:b5:521:BCR:H20C	17:b5:521:BCR:H361	1.88	0.41
13:b6:53:SER:HA	14:b6:510:CLA:HMC2	2.03	0.41
1:cA:24:SER:O	14:cA:1109:CLA:HHB	2.21	0.41
1:cA:86:TRP:NE1	14:cA:1126:CLA:OBD	2.53	0.41
1:cA:689:PHE:HA	15:cA:2001:PQN:H9	2.02	0.41
14:cA:1124:CLA:HAA2	14:cA:1125:CLA:OBD	2.21	0.41
17:cA:4007:BCR:H341	17:cA:4007:BCR:H11C	1.76	0.41
2:cB:480:THR:N	2:cB:483:SER:HB3	2.36	0.41
2:cB:636:SER:O	2:cB:640:ASN:ND2	2.41	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:cB:1206:CLA:H92	14:cB:1206:CLA:H61	1.91	0.41
14:cB:1228:CLA:HMC2	14:cB:1236:CLA:HAC1	2.01	0.41
3:cC:22:PRO:HD3	3:cC:53:ARG:HD2	2.01	0.41
6:cF:86:PHE:C	6:cF:89:PRO:HD2	2.46	0.41
13:c2:254:GLU:OE2	13:c2:339:ARG:NE	2.48	0.41
14:c2:510:CLA:H62	14:c2:510:CLA:H41	1.90	0.41
14:c3:509:CLA:H192	14:c3:509:CLA:H161	1.77	0.41
17:c4:522:BCR:H24C	17:c4:522:BCR:H371	1.83	0.41
13:c5:124:PHE:HB2	14:c6:505:CLA:HAA2	2.03	0.41
13:c5:303:ASP:OD1	13:c5:316:ALA:HB2	2.21	0.41
13:c6:56:TRP:O	13:c6:60:PHE:HB2	2.20	0.41
13:T:79:LEU:HD23	13:T:82:LEU:HD12	2.02	0.41
13:T:264:ILE:HG12	14:T:502:CLA:HAC1	2.02	0.41
13:W:65:ILE:HG23	13:W:101:LEU:HD13	2.01	0.41
13:W:225:ILE:HD13	13:W:225:ILE:HA	1.95	0.41
13:W:341:MET:HE3	14:W:505:CLA:H2A	2.02	0.41
14:Y:510:CLA:H162	14:Y:510:CLA:H141	1.87	0.41
17:Y:523:BCR:H20C	17:Y:523:BCR:H361	1.88	0.41
14:Z:516:CLA:HBA1	14:Z:516:CLA:H3A	1.53	0.41
13:c:322:HIS:CD2	14:c:502:CLA:ND	2.88	0.41
17:g:521:BCR:H361	17:g:521:BCR:H20C	1.78	0.41
13:h:346:LYS:O	13:h:349:GLU:HG3	2.21	0.41
14:h:510:CLA:H41	14:h:510:CLA:H61	1.69	0.41
13:i:225:ILE:HD11	17:i:524:BCR:H372	2.02	0.41
14:i:507:CLA:HED2	14:i:507:CLA:H2A	2.02	0.41
13:j:72:LEU:HB2	13:j:77:GLN:HE21	1.85	0.41
14:k:508:CLA:C1D	17:k:521:BCR:H382	2.51	0.41
17:l:523:BCR:H20C	17:l:523:BCR:H361	1.85	0.41
17:m:522:BCR:H20C	17:m:522:BCR:H361	1.94	0.41
13:q:328:PHE:HE1	14:q:518:CLA:HAB	1.85	0.41
14:aA:1103:CLA:H18	17:aA:4002:BCR:H10C	2.02	0.41
14:aB:1205:CLA:CGA	14:aB:1205:CLA:C1A	2.98	0.41
14:aB:1207:CLA:H42	10:aL:81:ILE:HG22	2.02	0.41
17:a1:521:BCR:H11C	17:a1:521:BCR:H341	1.82	0.41
14:a3:503:CLA:H101	14:a3:503:CLA:H62	1.75	0.41
17:a6:523:BCR:H15C	17:a6:523:BCR:H351	1.80	0.41
1:bA:14:VAL:HG13	1:bA:189:TRP:CD1	2.56	0.41
2:bB:700:TRP:CD1	2:bB:704:PRO:HD3	2.55	0.41
14:bB:1209:CLA:H2A	14:bB:1209:CLA:O2D	2.20	0.41
14:bB:1221:CLA:H3A	14:bB:1221:CLA:HBA1	1.86	0.41
8:bJ:20:THR:HG23	17:bJ:4013:BCR:H351	2.01	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:b4:522:BCR:H15C	17:b4:522:BCR:H351	1.75	0.41
17:b6:524:BCR:H361	17:b6:524:BCR:H20C	1.85	0.41
14:cA:1126:CLA:H72	14:cA:1126:CLA:H111	1.80	0.41
2:cB:180:ALA:HB2	2:cB:288:GLY:HA3	2.01	0.41
2:cB:415:VAL:HA	2:cB:418:HIS:CE1	2.55	0.41
14:cB:1202:CLA:H192	14:cB:1202:CLA:H161	1.79	0.41
14:cB:1231:CLA:H62	14:cB:1231:CLA:H2	1.73	0.41
21:cB:5002:LMG:H392	21:cB:5002:LMG:H361	1.90	0.41
6:cF:24:ASP:OD1	6:cF:24:ASP:N	2.54	0.41
14:cL:1501:CLA:HBA2	14:cL:1501:CLA:H3A	1.39	0.41
14:c1:518:CLA:H3A	14:c1:518:CLA:C1	2.50	0.41
14:c3:518:CLA:H3A	14:c3:518:CLA:O2A	2.20	0.41
17:c3:524:BCR:H20C	17:c3:524:BCR:H361	1.93	0.41
13:c4:221:GLY:C	17:c4:524:BCR:H383	2.46	0.41
13:c4:322:HIS:NE2	14:c4:502:CLA:ND	2.69	0.41
13:c5:221:GLY:C	17:c5:524:BCR:H383	2.44	0.41
13:c6:292:GLU:O	13:c6:301:PHE:HA	2.21	0.41
13:T:125:HIS:HE1	14:T:513:CLA:NA	2.18	0.41
13:U:236:HIS:HE1	14:U:506:CLA:C1A	2.33	0.41
17:U:523:BCR:H24C	17:U:523:BCR:H371	1.89	0.41
13:W:322:HIS:CD2	14:W:502:CLA:ND	2.89	0.41
14:X:512:CLA:H3A	14:X:512:CLA:HBA1	1.59	0.41
13:Z:134:SER:HB3	13:Z:144:HIS:CE1	2.54	0.41
13:Z:303:ASP:HB2	13:Z:305:ILE:HG22	2.02	0.41
13:a:183:ASP:HB2	13:a:190:ARG:HG2	2.02	0.41
13:b:322:HIS:NE2	14:b:502:CLA:NA	2.68	0.41
17:c:522:BCR:H332	14:d:505:CLA:H193	2.01	0.41
13:d:150:PRO:HB2	13:d:241:PRO:HD2	2.02	0.41
13:d:346:LYS:O	13:d:349:GLU:HG3	2.21	0.41
17:e:523:BCR:H11C	17:e:523:BCR:H341	1.80	0.41
13:f:254:GLU:OE2	13:f:336:HIS:ND1	2.49	0.41
13:g:320:ASN:HB3	17:g:521:BCR:HC8	2.03	0.41
13:i:266:LEU:HD21	14:i:517:CLA:HBB1	2.03	0.41
17:i:523:BCR:H20C	17:i:523:BCR:H361	1.87	0.41
13:j:160:HIS:NE2	14:j:512:CLA:NA	2.69	0.41
17:m:521:BCR:H20C	17:m:521:BCR:H361	1.74	0.41
17:q:521:BCR:H351	17:q:521:BCR:H15C	1.77	0.41
1:aA:358:ILE:HD11	17:aA:4007:BCR:H311	2.03	0.41
1:aA:677:LEU:HB3	14:aB:1012:CLA:O2A	2.20	0.41
2:aB:707:LEU:HD22	2:aB:711:GLN:NE2	2.35	0.41
14:aB:1225:CLA:H12	17:aB:4005:BCR:H393	2.02	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:aB:4010:BCR:H24C	17:aB:4010:BCR:H371	1.86	0.41
10:aL:39:ARG:HD2	10:aL:42:LEU:HD11	2.03	0.41
13:a1:287:TYR:HB3	13:a1:315:ARG:HB2	2.02	0.41
14:a1:508:CLA:H2	14:a1:510:CLA:H2	2.01	0.41
13:a4:54:VAL:HG13	13:a4:111:HIS:HD2	1.86	0.41
14:a4:517:CLA:HBA1	14:a4:517:CLA:H3A	1.71	0.41
13:a5:246:ARG:HA	13:a5:251:PHE:HE1	1.86	0.41
14:a5:503:CLA:H62	14:a5:503:CLA:H41	1.74	0.41
17:a5:521:BCR:H371	17:a5:521:BCR:H24C	1.82	0.41
17:a6:521:BCR:H20C	17:a6:521:BCR:H361	1.87	0.41
17:a6:524:BCR:H351	17:a6:524:BCR:H15C	1.72	0.41
1:bA:360:LEU:HD12	1:bA:360:LEU:HA	1.88	0.41
1:bA:427:ASN:OD1	1:bA:432:ARG:NH1	2.54	0.41
14:bA:1138:CLA:O1A	14:bB:1229:CLA:HED3	2.21	0.41
18:bA:5001:LHG:H162	18:bA:5001:LHG:H132	1.84	0.41
2:bB:687:TRP:NE1	10:bL:16:GLY:O	2.41	0.41
7:bI:22:MET:HE1	17:bI:4018:BCR:H10C	2.03	0.41
13:b1:198:ASP:HB3	13:b1:201:VAL:HB	2.03	0.41
13:b1:229:LEU:HD21	14:b1:507:CLA:H71	2.02	0.41
13:b1:322:HIS:NE2	14:b1:502:CLA:NA	2.68	0.41
14:b1:509:CLA:H142	14:b1:509:CLA:H112	1.87	0.41
17:b3:523:BCR:H24C	17:b3:523:BCR:H371	1.88	0.41
14:b4:509:CLA:HBD	14:b4:509:CLA:H121	2.02	0.41
13:b5:113:ILE:HD12	17:b5:523:BCR:H10C	2.02	0.41
1:cA:195:SER:OG	14:cA:1110:CLA:O1D	2.32	0.41
1:cA:444:LEU:HB2	14:cA:1137:CLA:CBB	2.51	0.41
14:cA:1107:CLA:O1A	17:cJ:4013:BCR:H14C	2.21	0.41
13:c1:336:HIS:HE1	14:c1:508:CLA:NA	2.18	0.41
14:c3:510:CLA:H41	14:c3:510:CLA:H61	1.60	0.41
14:c5:505:CLA:H112	14:c5:505:CLA:H91	1.79	0.41
13:c6:100:ASP:OD1	13:c6:100:ASP:N	2.53	0.41
14:c6:503:CLA:H18	14:c6:510:CLA:HBB2	2.02	0.41
17:S:523:BCR:H11C	17:S:523:BCR:H341	1.85	0.41
14:U:512:CLA:HBA1	14:U:512:CLA:H3A	1.47	0.41
14:V:516:CLA:HBA2	14:V:516:CLA:H3A	1.54	0.41
13:W:236:HIS:HE1	14:W:506:CLA:C1A	2.32	0.41
13:X:270:VAL:HG11	14:X:501:CLA:H92	2.03	0.41
17:X:523:BCR:H15C	17:X:523:BCR:H351	1.75	0.41
17:a:521:BCR:H15C	17:a:521:BCR:H351	1.73	0.41
13:c:217:ASP:OD1	13:c:217:ASP:N	2.53	0.41
13:c:336:HIS:HE1	14:c:508:CLA:NA	2.19	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:d:221:GLY:C	17:d:524:BCR:H383	2.45	0.41
14:d:518:CLA:O2A	14:d:518:CLA:H3A	2.20	0.41
17:e:522:BCR:H11C	17:e:522:BCR:H341	1.74	0.41
13:g:181:LEU:HD23	13:g:181:LEU:HA	1.92	0.41
17:g:522:BCR:H15C	17:g:522:BCR:H351	1.71	0.41
13:j:288:GLY:O	13:j:315:ARG:NH2	2.54	0.41
13:m:54:VAL:HG13	13:m:111:HIS:CD2	2.56	0.41
13:n:49:GLN:HG2	14:n:509:CLA:HHB	2.03	0.41
13:n:125:HIS:HA	13:n:129:ALA:HB3	2.03	0.41
13:o:48:ALA:HB1	17:o:522:BCR:H373	2.03	0.41
13:o:49:GLN:OE1	14:o:510:CLA:NC	2.54	0.41
14:q:503:CLA:H62	14:q:503:CLA:H41	1.61	0.41
1:aA:125:ILE:HG21	2:aB:450:PHE:HA	2.03	0.41
1:aA:366:LEU:HD11	14:aA:1117:CLA:H71	2.02	0.41
1:aA:395:THR:HG23	1:aA:610:ILE:HG21	2.03	0.41
1:aA:564:ARG:HD3	3:aC:80:ALA:HB3	2.03	0.41
14:aA:1130:CLA:H51	10:aL:32:ILE:HD11	2.02	0.41
2:aB:290:MET:HE1	14:aB:1216:CLA:C3D	2.51	0.41
2:aB:687:TRP:HD1	4:aD:19:LEU:HD21	1.86	0.41
14:aB:1214:CLA:H122	14:aB:1214:CLA:H161	1.42	0.41
14:aB:1225:CLA:H41	14:aB:1225:CLA:H61	1.89	0.41
6:aF:86:PHE:C	6:aF:89:PRO:HD2	2.46	0.41
13:a1:322:HIS:NE2	14:a1:502:CLA:ND	2.68	0.41
17:a1:521:BCR:H351	17:a1:521:BCR:H15C	1.73	0.41
17:a2:522:BCR:H352	14:a3:505:CLA:HBB2	2.03	0.41
17:a2:523:BCR:H24C	17:a2:523:BCR:H371	1.92	0.41
13:a3:60:PHE:HE1	14:a4:519:CLA:HAA2	1.86	0.41
13:a3:236:HIS:HE1	14:a3:506:CLA:C1A	2.33	0.41
17:a3:522:BCR:H371	17:a3:522:BCR:H24C	1.86	0.41
13:a4:120:ALA:HB1	14:a5:505:CLA:H11	2.03	0.41
13:a4:349:GLU:HA	13:a4:352:LEU:HG	2.02	0.41
14:a4:512:CLA:HBA1	14:a4:512:CLA:H3A	1.75	0.41
17:a4:523:BCR:H11C	17:a4:523:BCR:H341	1.84	0.41
13:a5:88:LEU:O	13:a5:174:LYS:NZ	2.48	0.41
13:a5:254:GLU:OE2	13:a5:339:ARG:NE	2.38	0.41
13:a5:336:HIS:CE1	14:a5:508:CLA:NA	2.89	0.41
17:a5:521:BCR:H11C	17:a5:521:BCR:H341	1.88	0.41
17:a5:523:BCR:H332	13:a6:209:PHE:CZ	2.55	0.41
13:a6:333:HIS:NE2	14:a6:505:CLA:NC	2.68	0.41
13:a6:344:ASN:O	13:a6:347:GLN:HG2	2.21	0.41
1:bA:46:THR:O	1:bA:50:ASN:ND2	2.49	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:bA:400:ILE:HG23	14:bA:1104:CLA:H143	2.03	0.41
14:bA:1104:CLA:H161	14:bA:1104:CLA:H193	1.78	0.41
14:bA:1115:CLA:H102	14:bK:1401:CLA:HMD3	2.01	0.41
14:bA:1131:CLA:HED3	14:bA:1237:CLA:H11	2.03	0.41
14:bA:1140:CLA:H202	14:bA:1140:CLA:H161	1.75	0.41
2:bB:147:SER:HB2	11:bM:21:LEU:HD12	2.03	0.41
2:bB:385:PHE:CE2	2:bB:587:MET:HE1	2.55	0.41
2:bB:707:LEU:HD22	2:bB:711:GLN:NE2	2.36	0.41
15:bB:2002:PQN:H261	15:bB:2002:PQN:H222	1.76	0.41
3:bC:15:THR:HG22	3:bC:28:MET:HG3	2.03	0.41
17:bF:4016:BCR:H20C	17:bF:4016:BCR:H361	1.89	0.41
13:b1:32:ASN:HD21	14:b1:511:CLA:CHC	2.34	0.41
14:b1:501:CLA:ND	14:b1:503:CLA:H52	2.36	0.41
13:b2:73:PRO:HG2	13:b2:76:GLU:HG3	2.02	0.41
17:b2:523:BCR:H361	17:b2:523:BCR:H20C	1.86	0.41
14:b3:517:CLA:O2D	14:b3:517:CLA:H2A	2.20	0.41
17:b3:521:BCR:H20C	17:b3:521:BCR:H361	1.90	0.41
17:b3:524:BCR:H341	17:b3:524:BCR:H11C	1.70	0.41
13:b4:317:TRP:HH2	14:b4:504:CLA:H12	1.86	0.41
13:b4:329:PHE:HA	14:b4:508:CLA:HMC1	2.03	0.41
14:b4:518:CLA:H3A	14:b4:518:CLA:O2A	2.21	0.41
17:b4:521:BCR:H24C	17:b4:521:BCR:H371	1.83	0.41
17:b4:524:BCR:H341	17:b4:524:BCR:H11C	1.74	0.41
17:b4:522:BCR:H20C	17:b4:522:BCR:H361	1.93	0.41
17:b4:523:BCR:H341	17:b4:523:BCR:H11C	1.84	0.41
1:cA:93:HIS:HE1	14:cA:1105:CLA:NA	2.18	0.41
1:cA:314:MET:HE1	14:cA:1119:CLA:C3D	2.51	0.41
18:cA:5005:LHG:HC82	13:c2:300:TYR:CD1	2.56	0.41
2:cB:500:TRP:CD1	14:cB:1231:CLA:HED1	2.56	0.41
14:cB:1023:CLA:H143	14:cB:1023:CLA:H111	1.72	0.41
14:cB:1202:CLA:H3A	14:cB:1202:CLA:HBA1	1.37	0.41
14:cB:1222:CLA:HBA2	14:cB:1222:CLA:H3A	1.70	0.41
17:cJ:4013:BCR:H11C	17:cJ:4013:BCR:H341	1.84	0.41
10:cL:55:HIS:HA	10:cL:58:PHE:HE1	1.85	0.41
10:cL:63:TRP:HH2	10:cL:86:LEU:HD22	1.86	0.41
14:cL:1501:CLA:CBB	17:cL:4022:BCR:HC7	2.51	0.41
17:cL:4022:BCR:H20C	17:cL:4022:BCR:H361	1.89	0.41
13:c1:88:LEU:O	13:c1:174:LYS:NZ	2.45	0.41
13:c1:320:ASN:HB3	17:c1:521:BCR:HC8	2.01	0.41
14:c1:509:CLA:H112	14:c1:509:CLA:H142	1.84	0.41
13:c3:56:TRP:CZ3	13:c3:81:LEU:HD21	2.56	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:c4:125:HIS:CE1	14:c4:513:CLA:NA	2.89	0.41
13:c4:169:LEU:HG	13:c4:226:ALA:HB1	2.03	0.41
13:c4:312:HIS:HB2	13:c4:317:TRP:NE1	2.36	0.41
14:c4:509:CLA:O1A	14:c4:509:CLA:H2A	2.19	0.41
17:c4:521:BCR:H11C	17:c4:521:BCR:H341	1.88	0.41
17:c4:524:BCR:H361	17:c4:524:BCR:H20C	1.88	0.41
13:c5:138:GLY:H	13:c5:141:ARG:NH1	2.18	0.41
14:c5:509:CLA:HBA1	14:c5:509:CLA:H3A	1.83	0.41
13:c6:336:HIS:HE1	14:c6:508:CLA:NA	2.18	0.41
14:c6:503:CLA:H152	14:c6:510:CLA:HBB2	2.02	0.41
13:S:54:VAL:HB	13:S:115:SER:HB3	2.03	0.41
13:S:126:THR:HG21	17:S:522:BCR:H271	2.03	0.41
13:V:117:VAL:HG22	14:W:505:CLA:H61	2.02	0.41
13:V:322:HIS:CD2	14:V:502:CLA:ND	2.88	0.41
14:W:501:CLA:H143	14:W:501:CLA:H161	1.86	0.41
17:W:524:BCR:H20C	17:W:524:BCR:H361	1.87	0.41
14:X:503:CLA:H101	14:X:503:CLA:H62	1.93	0.41
14:X:505:CLA:HMC1	14:X:505:CLA:H121	2.03	0.41
13:Y:329:PHE:HA	14:Y:508:CLA:HMC1	2.03	0.41
14:Y:509:CLA:HMB1	14:Y:509:CLA:HBB1	2.02	0.41
17:Y:523:BCR:H11C	17:Y:523:BCR:H341	1.84	0.41
13:Z:113:ILE:HD12	17:Z:523:BCR:H10C	2.03	0.41
14:Z:509:CLA:H141	14:Z:512:CLA:HMD3	2.03	0.41
17:Z:522:BCR:HC7	13:a:323:PHE:HE1	1.85	0.41
13:a:330:LEU:O	13:a:334:LEU:HG	2.20	0.41
14:b:505:CLA:H11	14:b:505:CLA:HBA2	1.84	0.41
14:c:519:CLA:HED2	14:c:519:CLA:H2A	2.03	0.41
14:d:505:CLA:H91	14:d:505:CLA:H112	1.66	0.41
13:e:125:HIS:HA	13:e:129:ALA:HB3	2.02	0.41
17:e:522:BCR:H371	17:e:522:BCR:H24C	1.81	0.41
13:f:246:ARG:HA	13:f:251:PHE:HE2	1.85	0.41
13:g:26:TYR:O	13:g:34:ARG:NH2	2.48	0.41
17:h:523:BCR:H11C	17:h:523:BCR:H341	1.80	0.41
13:i:182:TYR:HA	13:i:189:VAL:HA	2.03	0.41
17:i:521:BCR:H371	17:i:521:BCR:H24C	1.78	0.41
17:i:524:BCR:H371	17:i:524:BCR:H24C	1.82	0.41
13:j:287:TYR:HB3	13:j:315:ARG:HB2	2.02	0.41
13:j:297:ILE:O	14:j:519:CLA:NC	2.54	0.41
13:l:205:TYR:HE1	13:l:212:ILE:HG22	1.86	0.41
17:l:521:BCR:H20C	17:l:521:BCR:H361	1.79	0.41
13:m:147:TRP:CE2	13:m:253:ALA:HB2	2.56	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:m:330:LEU:HD11	14:m:505:CLA:CHC	2.51	0.41
13:n:320:ASN:HB3	17:n:521:BCR:HC8	2.03	0.41
13:o:111:HIS:CE1	14:o:503:CLA:NA	2.88	0.41
14:o:510:CLA:H71	17:o:521:BCR:H19C	2.03	0.41
13:p:145:PHE:HA	13:p:152:GLN:HG2	2.03	0.41
13:q:264:ILE:HG12	14:q:502:CLA:HAC1	2.02	0.41
1:aA:427:ASN:OD1	1:aA:432:ARG:NH1	2.53	0.41
14:aA:1125:CLA:H141	14:aA:1125:CLA:H162	1.79	0.41
14:aA:1138:CLA:O1A	14:aB:1229:CLA:HED3	2.21	0.41
14:aB:1023:CLA:H202	14:aB:1023:CLA:H162	1.80	0.41
4:aD:39:VAL:O	4:aD:76:ARG:NH2	2.53	0.41
17:aF:4014:BCR:H361	17:aF:4014:BCR:H20C	1.80	0.41
13:a1:202:ILE:HG23	17:a1:524:BCR:H403	2.03	0.41
13:a4:105:PHE:CE2	17:a4:523:BCR:HC31	2.55	0.41
1:bA:399:TRP:HB3	14:bA:1126:CLA:HMC3	2.02	0.41
14:bA:1117:CLA:H202	14:bA:1125:CLA:H3A	2.02	0.41
14:bA:1134:CLA:CHA	14:bA:1134:CLA:HBA1	2.49	0.41
2:bB:154:TRP:CD1	11:bM:24:ARG:HG2	2.55	0.41
2:bB:495:ASN:ND2	14:bB:1232:CLA:OBD	2.34	0.41
14:bB:1206:CLA:H2	14:bB:1206:CLA:H61	1.77	0.41
14:bB:1227:CLA:H3A	14:bB:1227:CLA:HBA2	1.60	0.41
13:b2:328:PHE:HE1	14:b2:518:CLA:HAB	1.86	0.41
13:b3:190:ARG:NH1	13:b3:215:LEU:HD13	2.36	0.41
14:b3:501:CLA:H41	14:b3:501:CLA:H61	1.86	0.41
17:b3:522:BCR:H20C	17:b3:522:BCR:H361	1.92	0.41
17:b3:522:BCR:H24C	17:b3:522:BCR:H371	1.83	0.41
13:b4:55:PHE:HE2	14:b5:519:CLA:HBA1	1.86	0.41
1:cA:675:LEU:HD21	14:cA:1126:CLA:H142	2.03	0.41
1:cA:734:HIS:CE1	14:cA:1140:CLA:NA	2.89	0.41
15:cA:2001:PQN:H243	15:cA:2001:PQN:H212	1.66	0.41
2:cB:687:TRP:NE1	10:cL:16:GLY:O	2.47	0.41
14:cB:1209:CLA:H2A	14:cB:1209:CLA:O2D	2.21	0.41
10:cL:62:PRO:HB3	14:cL:1503:CLA:HBB1	2.02	0.41
17:c3:521:BCR:H11C	17:c3:521:BCR:H341	1.92	0.41
14:c4:512:CLA:HBA1	14:c4:512:CLA:H3A	1.74	0.41
13:c6:125:HIS:CE1	14:c6:513:CLA:NA	2.89	0.41
13:c6:170:LEU:HB2	14:c6:502:CLA:H121	2.03	0.41
13:T:26:TYR:O	13:T:34:ARG:NH2	2.38	0.41
17:U:521:BCR:H351	17:U:521:BCR:H15C	1.77	0.41
13:V:139:ARG:HH11	14:V:513:CLA:H12	1.86	0.41
13:V:329:PHE:HA	14:V:508:CLA:HMC1	2.02	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:V:522:BCR:H11C	17:V:522:BCR:H341	1.82	0.41
13:W:336:HIS:CE1	14:W:508:CLA:NA	2.89	0.41
13:a:125:HIS:HE1	14:a:513:CLA:C4A	2.34	0.41
13:b:336:HIS:CE1	14:b:508:CLA:NA	2.89	0.41
13:e:264:ILE:HG13	14:e:507:CLA:H2	2.02	0.41
17:g:521:BCR:H11C	17:g:521:BCR:H341	1.78	0.41
17:g:523:BCR:H11C	17:g:523:BCR:H341	1.80	0.41
14:h:510:CLA:H71	17:h:521:BCR:H19C	2.01	0.41
17:j:522:BCR:H361	17:j:522:BCR:H20C	1.87	0.41
13:k:320:ASN:HB3	17:k:521:BCR:HC8	2.02	0.41
13:l:134:SER:HA	13:l:141:ARG:HD3	2.04	0.41
13:l:346:LYS:O	13:l:349:GLU:HG3	2.21	0.41
1:aA:197:LEU:HD12	1:aA:325:LEU:HD11	2.02	0.40
1:aA:685:PHE:CZ	14:aA:1140:CLA:HBC2	2.56	0.40
14:aA:1116:CLA:H92	14:aA:1116:CLA:H61	1.75	0.40
14:aA:1133:CLA:H162	14:aA:1133:CLA:H141	1.82	0.40
17:aA:4002:BCR:H15C	17:aA:4002:BCR:H351	1.80	0.40
2:aB:3:THR:HG21	2:aB:20:ARG:CZ	2.51	0.40
2:aB:729:ALA:HB2	14:aB:1224:CLA:HBB1	2.03	0.40
14:aB:1218:CLA:CAD	17:aB:4004:BCR:H272	2.51	0.40
14:aB:1221:CLA:H41	14:aB:1221:CLA:H61	1.44	0.40
14:aB:1222:CLA:HBA2	14:aB:1222:CLA:H3A	1.71	0.40
13:a1:54:VAL:HG13	13:a1:111:HIS:CD2	2.56	0.40
13:a1:60:PHE:O	13:a1:64:GLU:HG2	2.20	0.40
13:a2:264:ILE:HG12	14:a2:502:CLA:HAC1	2.03	0.40
17:a2:521:BCR:H15C	17:a2:521:BCR:H351	1.72	0.40
14:a4:501:CLA:H151	14:a4:507:CLA:H61	2.02	0.40
17:a4:524:BCR:H20C	17:a4:524:BCR:H361	1.88	0.40
13:a6:85:LEU:HD21	14:a6:503:CLA:H2A	2.03	0.40
1:bA:363:MET:HG3	14:bA:1103:CLA:HED3	2.03	0.40
1:bA:487:ALA:HA	14:bA:1135:CLA:HBA1	2.03	0.40
14:bA:1118:CLA:H41	14:bA:1118:CLA:H61	1.92	0.40
18:bA:5005:LHG:HC82	13:b2:300:TYR:CD1	2.56	0.40
14:bB:1227:CLA:HBC2	17:bB:4009:BCR:H281	2.02	0.40
13:b1:65:ILE:HG23	13:b1:101:LEU:HD13	2.03	0.40
14:b5:501:CLA:C3D	14:b5:503:CLA:H2	2.51	0.40
14:b6:507:CLA:H92	14:b6:507:CLA:H62	1.88	0.40
17:b6:522:BCR:H11C	17:b6:522:BCR:H341	1.80	0.40
1:cA:397:HIS:NE2	14:cA:1127:CLA:ND	2.69	0.40
2:cB:687:TRP:HD1	4:cD:19:LEU:HD21	1.86	0.40
4:cD:61:ARG:HB2	4:cD:64:GLN:HG3	2.03	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:cF:4016:BCR:H361	17:cF:4016:BCR:H20C	1.87	0.40
17:cF:4015:BCR:H24C	17:cF:4015:BCR:H371	1.82	0.40
8:cJ:15:ALA:O	8:cJ:19:MET:HB2	2.20	0.40
13:c2:41:LEU:HB3	14:c2:511:CLA:HMA1	2.03	0.40
13:c2:336:HIS:CE1	14:c2:508:CLA:NA	2.89	0.40
17:c2:523:BCR:H11C	17:c2:523:BCR:H341	1.83	0.40
17:c4:523:BCR:H351	17:c4:523:BCR:H15C	1.69	0.40
20:c5:822:SQD:H241	20:c5:822:SQD:H91	2.02	0.40
17:c5:523:BCR:H20C	17:c5:523:BCR:H361	1.88	0.40
13:c6:345:PHE:HB3	20:c6:822:SQD:H92	2.03	0.40
13:V:221:GLY:HA3	17:V:524:BCR:H402	2.03	0.40
13:W:54:VAL:HG13	13:W:111:HIS:CD2	2.56	0.40
13:Z:54:VAL:HG13	13:Z:111:HIS:HD2	1.86	0.40
13:b:242:LEU:HD12	13:b:244:TRP:HE1	1.86	0.40
13:c:278:ASN:ND2	13:c:281:ALA:H	2.19	0.40
17:d:521:BCR:H11C	17:d:521:BCR:H341	1.84	0.40
13:e:150:PRO:HB2	13:e:241:PRO:HD2	2.03	0.40
14:h:509:CLA:H121	14:h:509:CLA:HBD	2.02	0.40
13:k:293:VAL:HG11	13:l:105:PHE:HE1	1.86	0.40
13:l:46:HIS:CE1	14:l:509:CLA:NC	2.89	0.40
13:l:83:PRO:HB3	13:l:286:PHE:HB3	2.03	0.40
13:l:210:ALA:HB1	13:l:277:VAL:HG11	2.03	0.40
13:m:215:LEU:H	13:m:215:LEU:HD12	1.86	0.40
13:o:344:ASN:HD21	13:o:346:LYS:HD2	1.86	0.40
13:q:72:LEU:O	13:q:77:GLN:NE2	2.51	0.40
1:aA:362:MET:HG3	14:aA:1123:CLA:HBB	2.03	0.40
14:aA:1106:CLA:C3B	14:aA:1126:CLA:H93	2.52	0.40
14:aA:1117:CLA:H202	14:aA:1125:CLA:H3A	2.03	0.40
14:aA:1130:CLA:H61	14:aA:1130:CLA:H41	1.62	0.40
17:aA:4002:BCR:H11C	17:aA:4002:BCR:H341	1.79	0.40
2:aB:57:ILE:O	2:aB:61:VAL:HG23	2.20	0.40
14:aB:1225:CLA:H43	17:aB:4005:BCR:H24C	2.03	0.40
14:aB:1230:CLA:HBD	14:aB:1230:CLA:HBA1	2.02	0.40
8:aJ:31:ARG:HD3	17:aJ:4013:BCR:HC22	2.03	0.40
13:a1:80:ILE:HB	13:a1:318:LEU:HD21	2.03	0.40
14:a3:509:CLA:H141	14:a3:509:CLA:H162	1.83	0.40
14:a4:508:CLA:H61	14:a4:510:CLA:H51	2.02	0.40
13:a6:187:GLN:NE2	13:a6:285:GLU:OE2	2.54	0.40
13:a6:236:HIS:HE1	14:a6:506:CLA:C1A	2.33	0.40
1:bA:581:PRO:HD3	2:bB:568:GLY:HA2	2.03	0.40
14:bB:1214:CLA:HMB3	14:bB:1214:CLA:HBB1	2.02	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:bB:1223:CLA:H112	14:bB:1223:CLA:H72	1.78	0.40
11:bM:16:LEU:HD21	17:bM:4021:BCR:H373	2.03	0.40
13:b1:72:LEU:HB2	13:b1:77:GLN:HE21	1.86	0.40
14:b1:517:CLA:HBA1	14:b1:517:CLA:H3A	1.58	0.40
14:b1:518:CLA:C1	14:b1:518:CLA:H3A	2.51	0.40
13:b3:32:ASN:HD21	14:b3:511:CLA:C1C	2.34	0.40
17:b3:524:BCR:H20C	17:b3:524:BCR:H361	1.86	0.40
13:b4:339:ARG:HG3	13:b4:345:PHE:HE2	1.86	0.40
14:b6:509:CLA:H112	14:b6:512:CLA:HBD	2.02	0.40
1:cA:221:LEU:HB2	1:cA:222:PRO:HD3	2.02	0.40
1:cA:244:LEU:HD13	18:cA:5004:LHG:HC31	2.03	0.40
1:cA:360:LEU:HD12	1:cA:360:LEU:HA	1.92	0.40
1:cA:564:ARG:HD3	3:cC:80:ALA:HB3	2.03	0.40
14:cA:1107:CLA:H92	14:cA:1107:CLA:H61	1.80	0.40
17:cA:4008:BCR:H11C	17:cA:4008:BCR:H341	1.88	0.40
2:cB:530:ILE:HG21	14:cB:1234:CLA:HAB	2.03	0.40
14:cB:1206:CLA:H8	14:cB:1206:CLA:H122	1.84	0.40
14:cB:1209:CLA:HBA2	14:cB:1209:CLA:H3A	1.40	0.40
13:c1:34:ARG:NH1	14:c1:511:CLA:OBD	2.53	0.40
14:c1:505:CLA:H91	14:c1:505:CLA:H142	2.03	0.40
14:c1:509:CLA:H122	14:c1:509:CLA:H8	1.93	0.40
13:c2:229:LEU:HD21	14:c2:507:CLA:H71	2.03	0.40
17:c3:522:BCR:H15C	17:c3:522:BCR:H351	1.73	0.40
13:c6:329:PHE:CE1	14:c6:510:CLA:H102	2.56	0.40
13:T:282:TYR:OH	14:T:502:CLA:O1D	2.37	0.40
13:U:90:PHE:HB3	13:U:103:PRO:HB2	2.04	0.40
17:U:524:BCR:H20C	17:U:524:BCR:H361	1.87	0.40
17:V:523:BCR:H15C	17:V:523:BCR:H351	1.76	0.40
14:X:516:CLA:HBA2	14:X:516:CLA:H3A	1.62	0.40
17:X:524:BCR:H361	17:X:524:BCR:H20C	1.89	0.40
14:Y:501:CLA:H92	14:Y:501:CLA:H62	1.87	0.40
13:Z:336:HIS:HE1	14:Z:508:CLA:NA	2.20	0.40
14:b:517:CLA:H3A	14:b:517:CLA:HBA1	1.83	0.40
13:e:32:ASN:OD1	14:e:511:CLA:NC	2.55	0.40
13:f:49:GLN:HG2	14:f:509:CLA:HHB	2.02	0.40
13:g:312:HIS:HB2	13:g:317:TRP:NE1	2.36	0.40
13:i:308:PRO:HB2	13:i:309:LEU:HD12	2.02	0.40
13:l:160:HIS:NE2	14:l:512:CLA:NA	2.69	0.40
14:l:502:CLA:H61	14:l:502:CLA:H92	1.78	0.40
17:n:524:BCR:H24C	17:n:524:BCR:H371	1.93	0.40
13:o:43:ILE:HD11	14:o:512:CLA:HBC3	2.02	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:o:181:LEU:HD22	14:o:501:CLA:HED1	2.03	0.40
1:aA:292:LEU:HD13	14:aA:1116:CLA:H2A	2.03	0.40
1:aA:396:HIS:HE1	14:aA:1126:CLA:ND	2.19	0.40
1:aA:610:ILE:HD12	1:aA:743:THR:HG21	2.02	0.40
14:aA:1107:CLA:O1A	17:aJ:4013:BCR:H14C	2.21	0.40
14:aA:1138:CLA:H141	14:aA:1138:CLA:H162	1.84	0.40
14:aA:1139:CLA:C1B	15:aA:2001:PQN:H222	2.52	0.40
18:aA:5003:LHG:H141	18:aA:5003:LHG:H172	1.95	0.40
14:aA:1013:CLA:HMD1	2:aB:585:LEU:HB3	2.03	0.40
2:aB:362:TYR:OH	14:aB:1225:CLA:OBD	2.22	0.40
13:a1:54:VAL:HG12	13:a1:111:HIS:O	2.21	0.40
13:a1:341:MET:HE2	13:c6:127:PHE:HB2	2.02	0.40
14:a2:510:CLA:H92	17:a2:521:BCR:C17	2.51	0.40
14:a2:510:CLA:H141	14:a2:510:CLA:H162	1.75	0.40
13:a4:112:LEU:O	13:a4:115:SER:OG	2.35	0.40
17:a4:522:BCR:H351	17:a4:522:BCR:H15C	1.77	0.40
17:a4:524:BCR:H341	17:a4:524:BCR:H11C	1.77	0.40
14:a5:509:CLA:HBD	14:a5:509:CLA:H121	2.04	0.40
17:a5:523:BCR:H24C	17:a5:523:BCR:H371	1.92	0.40
14:a6:507:CLA:H92	14:a6:507:CLA:H62	1.84	0.40
1:bA:513:PHE:HE1	14:bA:1135:CLA:HED3	1.86	0.40
2:bB:174:ARG:HB3	14:bB:1221:CLA:HMD1	2.04	0.40
13:b2:198:ASP:HB3	13:b2:201:VAL:HB	2.04	0.40
14:b2:503:CLA:H8	14:b2:503:CLA:H51	1.81	0.40
13:b3:242:LEU:O	13:b3:246:ARG:HG3	2.22	0.40
14:b3:501:CLA:C4D	14:b3:503:CLA:H2	2.51	0.40
14:b4:509:CLA:H141	14:b4:512:CLA:HMD3	2.03	0.40
17:b4:522:BCR:HC7	13:b5:323:PHE:CE1	2.55	0.40
17:b5:523:BCR:H332	13:b6:209:PHE:CZ	2.56	0.40
13:b6:32:ASN:HD21	14:b6:511:CLA:C1C	2.34	0.40
1:cA:261:PHE:O	1:cA:265:ILE:HG13	2.21	0.40
1:cA:680:HIS:NE2	14:cA:1011:CLA:NA	2.70	0.40
14:cA:1122:CLA:H91	14:cA:1122:CLA:H112	1.80	0.40
14:cA:1133:CLA:H162	14:cA:1133:CLA:H141	1.82	0.40
15:cB:2002:PQN:H222	15:cB:2002:PQN:H261	1.73	0.40
17:cB:4004:BCR:H361	17:cB:4004:BCR:H20C	1.81	0.40
14:c3:502:CLA:H61	14:c3:512:CLA:H42	2.03	0.40
17:c6:521:BCR:H24C	17:c6:521:BCR:H371	1.79	0.40
14:V:501:CLA:H62	14:V:501:CLA:H92	1.83	0.40
17:Z:521:BCR:H15C	17:Z:521:BCR:H351	1.76	0.40
17:Z:521:BCR:H24C	17:Z:521:BCR:H371	1.87	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:b:275:CYS:O	13:b:315:ARG:NH1	2.49	0.40
13:b:330:LEU:O	13:b:334:LEU:HG	2.19	0.40
13:c:141:ARG:HA	13:c:141:ARG:HD2	1.88	0.40
13:d:62:LEU:HA	13:d:65:ILE:HD12	2.02	0.40
13:d:181:LEU:HD22	14:d:501:CLA:HED1	2.03	0.40
17:g:521:BCR:H371	17:g:521:BCR:H24C	1.79	0.40
13:i:346:LYS:O	13:i:349:GLU:HG3	2.22	0.40
17:j:521:BCR:H20C	17:j:521:BCR:H361	1.88	0.40
14:m:507:CLA:H3A	14:m:507:CLA:HBA1	1.67	0.40
17:n:524:BCR:H361	17:n:524:BCR:H20C	1.80	0.40
1:aA:86:TRP:HA	14:aA:1105:CLA:HBB2	2.04	0.40
1:aA:712:LYS:C	6:aF:112:ARG:HH22	2.30	0.40
1:aA:719:PRO:HG2	14:aA:1139:CLA:HBC2	2.02	0.40
14:aA:1117:CLA:H121	14:aA:1119:CLA:CBB	2.51	0.40
14:aA:1132:CLA:HED2	14:aA:1132:CLA:H2A	2.03	0.40
2:aB:86:PRO:HB3	2:aB:121:TYR:CD1	2.57	0.40
2:aB:308:LYS:NZ	2:aB:316:GLU:O	2.54	0.40
5:aE:11:LEU:HD21	5:aE:67:GLN:HG2	2.03	0.40
17:aI:4018:BCR:H20C	17:aI:4018:BCR:H361	1.90	0.40
17:aI:4020:BCR:C20	14:aL:1502:CLA:HAB	2.50	0.40
17:aM:4021:BCR:H20C	17:aM:4021:BCR:H361	1.82	0.40
13:a1:54:VAL:HG13	13:a1:111:HIS:HD2	1.86	0.40
13:a1:312:HIS:HB2	13:a1:317:TRP:NE1	2.36	0.40
14:a1:507:CLA:H92	14:a1:507:CLA:H62	1.82	0.40
14:a1:516:CLA:HBA2	14:a1:516:CLA:H3A	1.84	0.40
13:a2:164:LEU:HD21	14:a2:509:CLA:H92	2.03	0.40
13:a3:29:TRP:O	14:a3:508:CLA:H11	2.21	0.40
17:a5:524:BCR:H20C	17:a5:524:BCR:H361	1.86	0.40
17:a6:524:BCR:H24C	17:a6:524:BCR:H371	1.87	0.40
1:bA:469:GLY:HA3	2:bB:99:ALA:HB3	2.03	0.40
1:bA:587:CYS:HB2	2:bB:674:TRP:HE3	1.87	0.40
14:bA:1120:CLA:H61	14:bA:1120:CLA:H41	1.85	0.40
14:bA:1128:CLA:H122	14:bA:1128:CLA:H162	1.90	0.40
17:bA:4003:BCR:H11C	17:bA:4003:BCR:H341	1.85	0.40
17:bA:4011:BCR:H16C	17:bA:4011:BCR:H19C	1.82	0.40
2:bB:460:GLU:OE1	2:bB:465:GLN:NE2	2.49	0.40
2:bB:480:THR:N	2:bB:483:SER:HB3	2.36	0.40
21:bB:5002:LMG:H392	21:bB:5002:LMG:H361	1.88	0.40
17:bL:4022:BCR:H361	17:bL:4022:BCR:H20C	1.89	0.40
13:b1:56:TRP:CZ3	13:b1:81:LEU:HD21	2.57	0.40
13:b2:163:PHE:CE1	14:b2:512:CLA:HHB	2.56	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:b3:507:CLA:HMD2	14:b3:509:CLA:H18	2.03	0.40
17:b3:522:BCR:H352	14:b4:505:CLA:HBB2	2.02	0.40
13:b4:241:PRO:HA	14:b4:506:CLA:HED2	2.04	0.40
13:b5:163:PHE:HD1	14:b5:512:CLA:H2	1.87	0.40
13:b5:322:HIS:NE2	14:b5:502:CLA:NA	2.69	0.40
14:cA:1102:CLA:HBA2	14:cA:1109:CLA:C4D	2.51	0.40
14:cA:1117:CLA:H202	14:cA:1125:CLA:H3A	2.02	0.40
17:cA:4008:BCR:H15C	17:cA:4008:BCR:H351	1.77	0.40
2:cB:86:PRO:HB3	2:cB:121:TYR:CD1	2.56	0.40
2:cB:719:HIS:NE2	14:cB:1239:CLA:NA	2.70	0.40
14:cB:1223:CLA:HMA3	17:cB:4010:BCR:HC41	2.04	0.40
17:cB:4017:BCR:H11C	17:cB:4017:BCR:H341	1.88	0.40
3:cC:5:VAL:HG22	3:cC:67:VAL:HG22	2.04	0.40
4:cD:10:LEU:HB2	4:cD:49:VAL:HB	2.03	0.40
17:c1:524:BCR:H341	17:c1:524:BCR:H11C	1.75	0.40
13:c3:225:ILE:HD13	13:c3:225:ILE:HA	1.93	0.40
17:c4:522:BCR:H20C	17:c4:522:BCR:H361	1.88	0.40
13:c5:291:LEU:HD11	13:c5:316:ALA:HA	2.02	0.40
13:c6:222:HIS:HA	13:c6:225:ILE:HB	2.03	0.40
17:S:522:BCR:H20C	17:S:522:BCR:H361	1.91	0.40
13:V:72:LEU:HB2	13:V:77:GLN:HE21	1.87	0.40
13:V:329:PHE:CE1	14:V:510:CLA:H102	2.57	0.40
14:W:503:CLA:H161	14:W:503:CLA:H122	1.99	0.40
13:Y:54:VAL:HB	13:Y:115:SER:HB3	2.04	0.40
13:Z:113:ILE:O	13:Z:117:VAL:HG23	2.21	0.40
17:a:522:BCR:H351	17:a:522:BCR:H15C	1.71	0.40
17:a:523:BCR:H20C	17:a:523:BCR:H361	1.85	0.40
13:b:320:ASN:HB3	17:b:521:BCR:HC8	2.03	0.40
13:c:127:PHE:HB2	13:d:341:MET:HE2	2.03	0.40
13:c:336:HIS:CE1	14:c:508:CLA:NA	2.89	0.40
13:d:330:LEU:O	13:d:334:LEU:HG	2.21	0.40
17:f:524:BCR:H371	17:f:524:BCR:H24C	1.88	0.40
14:h:519:CLA:H3A	14:h:519:CLA:O1A	2.22	0.40
13:i:246:ARG:HA	13:i:251:PHE:CE1	2.57	0.40
13:m:39:SER:HB2	13:m:133:LEU:HG	2.04	0.40
14:m:505:CLA:H43	17:m:524:BCR:HC7	2.03	0.40
13:n:236:HIS:CE1	14:n:506:CLA:ND	2.90	0.40
1:aA:218:HIS:NE2	14:aA:1113:CLA:NA	2.70	0.40
1:aA:698:GLN:O	1:aA:702:GLU:HG3	2.21	0.40
14:aA:1122:CLA:H61	14:aA:1122:CLA:H41	1.75	0.40
17:aB:4009:BCR:H15C	17:aB:4009:BCR:H351	1.76	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
8:aJ:14:LEU:HD23	8:aJ:14:LEU:HA	1.97	0.40
13:a2:56:TRP:CZ3	13:a2:81:LEU:HD21	2.56	0.40
14:a2:510:CLA:H143	14:a2:510:CLA:H111	1.89	0.40
13:a5:266:LEU:HD13	14:a5:505:CLA:H122	2.04	0.40
14:a5:501:CLA:H92	14:a5:501:CLA:H62	1.92	0.40
1:bA:734:HIS:CE1	14:bA:1140:CLA:NA	2.89	0.40
14:bA:1117:CLA:H3A	14:bA:1117:CLA:HBA2	1.43	0.40
17:bA:4007:BCR:H20C	17:bA:4007:BCR:H361	1.90	0.40
17:bA:4008:BCR:H20C	17:bA:4008:BCR:H361	1.80	0.40
2:bB:347:VAL:HG13	14:bB:1222:CLA:HED1	2.02	0.40
2:bB:355:HIS:NE2	14:bB:1223:CLA:NB	2.69	0.40
2:bB:400:ARG:O	4:bD:130:LYS:HD3	2.22	0.40
2:bB:648:ASN:OD1	2:bB:648:ASN:N	2.54	0.40
14:bB:1206:CLA:H61	14:bB:1206:CLA:H92	1.92	0.40
14:bB:1208:CLA:H71	17:bB:4005:BCR:HC42	2.03	0.40
17:bF:4015:BCR:H20C	17:bF:4015:BCR:H361	1.87	0.40
14:b2:502:CLA:H12	14:b2:503:CLA:H42	2.03	0.40
13:b4:156:ILE:HG12	14:b4:512:CLA:HMC2	2.04	0.40
17:b5:522:BCR:H341	17:b5:522:BCR:H11C	1.80	0.40
13:b6:160:HIS:NE2	14:b6:512:CLA:NA	2.69	0.40
1:cA:76:HIS:NE2	14:cA:1103:CLA:NA	2.69	0.40
1:cA:583:ARG:HG3	3:cC:49:VAL:HG13	2.04	0.40
2:cB:397:PHE:O	2:cB:402:TYR:N	2.55	0.40
14:cB:1205:CLA:CGA	14:cB:1205:CLA:C1A	2.99	0.40
14:cB:1211:CLA:H3A	17:cB:4006:BCR:H272	2.03	0.40
17:cF:4016:BCR:H24C	17:cF:4016:BCR:H371	1.82	0.40
17:cI:4019:BCR:H11C	17:cI:4019:BCR:H341	1.80	0.40
13:c1:16:LEU:HD11	14:c1:508:CLA:HMA2	2.03	0.40
13:c1:221:GLY:HA3	17:c1:524:BCR:H402	2.02	0.40
13:c1:327:PHE:O	13:c1:331:GLN:HG2	2.22	0.40
13:c4:32:ASN:OD1	14:c4:511:CLA:NC	2.55	0.40
14:c5:504:CLA:H111	14:c5:504:CLA:H72	1.87	0.40
17:c6:523:BCR:H24C	17:c6:523:BCR:H371	1.82	0.40
13:T:144:HIS:O	13:T:152:GLN:NE2	2.54	0.40
14:T:508:CLA:HBB2	14:T:509:CLA:HED1	2.03	0.40
17:W:523:BCR:H20C	17:W:523:BCR:H361	1.91	0.40
13:Z:174:LYS:HA	13:Z:178:TRP:HB2	2.04	0.40
13:a:276:ALA:HA	13:a:291:LEU:HD12	2.04	0.40
13:b:322:HIS:NE2	14:b:502:CLA:C4D	2.85	0.40
13:c:235:TRP:HE1	14:c:506:CLA:HED3	1.87	0.40
13:c:235:TRP:NE1	14:c:506:CLA:HED3	2.37	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:e:289:PRO:HD2	13:e:313:THR:HG21	2.02	0.40
17:e:521:BCR:H351	17:e:521:BCR:H15C	1.77	0.40
14:f:501:CLA:HMB1	17:f:524:BCR:H23C	2.03	0.40
14:i:518:CLA:H3A	14:i:518:CLA:O2A	2.22	0.40
13:j:171:LEU:HD22	14:j:501:CLA:CHD	2.51	0.40
13:l:47:VAL:HG22	14:l:512:CLA:HED1	2.03	0.40
13:o:221:GLY:C	17:o:524:BCR:H383	2.47	0.40
17:o:521:BCR:H351	17:o:521:BCR:H15C	1.78	0.40
17:p:521:BCR:H351	17:p:521:BCR:H15C	1.78	0.40
13:q:60:PHE:HA	13:q:63:TYR:HB3	2.04	0.40
13:q:291:LEU:HG	13:q:315:ARG:HD2	2.03	0.40
17:q:523:BCR:H361	17:q:523:BCR:H20C	1.86	0.40

There are no symmetry-related clashes.

5.3 Torsion angles ⓘ

5.3.1 Protein backbone ⓘ

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM entries.

The Analysed column shows the number of residues for which the backbone conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	aA	743/755 (98%)	718 (97%)	25 (3%)	0	100	100
1	bA	743/755 (98%)	720 (97%)	23 (3%)	0	100	100
1	cA	743/755 (98%)	718 (97%)	25 (3%)	0	100	100
2	aB	738/741 (100%)	721 (98%)	17 (2%)	0	100	100
2	bB	738/741 (100%)	724 (98%)	14 (2%)	0	100	100
2	cB	738/741 (100%)	722 (98%)	16 (2%)	0	100	100
3	aC	78/81 (96%)	74 (95%)	3 (4%)	1 (1%)	9	33
3	bC	78/81 (96%)	75 (96%)	2 (3%)	1 (1%)	9	33
3	cC	78/81 (96%)	74 (95%)	3 (4%)	1 (1%)	9	33
4	aD	135/139 (97%)	133 (98%)	2 (2%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
4	bD	135/139 (97%)	133 (98%)	2 (2%)	0	100	100
4	cD	135/139 (97%)	134 (99%)	1 (1%)	0	100	100
5	aE	67/76 (88%)	66 (98%)	1 (2%)	0	100	100
5	bE	67/76 (88%)	67 (100%)	0	0	100	100
5	cE	67/76 (88%)	67 (100%)	0	0	100	100
6	aF	139/164 (85%)	134 (96%)	5 (4%)	0	100	100
6	bF	139/164 (85%)	135 (97%)	4 (3%)	0	100	100
6	cF	139/164 (85%)	135 (97%)	4 (3%)	0	100	100
7	aI	36/38 (95%)	36 (100%)	0	0	100	100
7	bI	36/38 (95%)	36 (100%)	0	0	100	100
7	cI	36/38 (95%)	36 (100%)	0	0	100	100
8	aJ	39/41 (95%)	38 (97%)	1 (3%)	0	100	100
8	bJ	39/41 (95%)	38 (97%)	1 (3%)	0	100	100
8	cJ	39/41 (95%)	39 (100%)	0	0	100	100
9	aK	58/83 (70%)	56 (97%)	2 (3%)	0	100	100
9	bK	58/83 (70%)	56 (97%)	2 (3%)	0	100	100
9	cK	58/83 (70%)	56 (97%)	2 (3%)	0	100	100
10	aL	150/155 (97%)	146 (97%)	4 (3%)	0	100	100
10	bL	150/155 (97%)	148 (99%)	2 (1%)	0	100	100
10	cL	150/155 (97%)	148 (99%)	2 (1%)	0	100	100
11	aM	29/31 (94%)	28 (97%)	1 (3%)	0	100	100
11	bM	29/31 (94%)	28 (97%)	1 (3%)	0	100	100
11	cM	29/31 (94%)	28 (97%)	1 (3%)	0	100	100
12	aX	27/39 (69%)	26 (96%)	1 (4%)	0	100	100
12	bX	27/39 (69%)	26 (96%)	1 (4%)	0	100	100
12	cX	27/39 (69%)	27 (100%)	0	0	100	100
13	S	339/358 (95%)	335 (99%)	4 (1%)	0	100	100
13	T	338/358 (94%)	334 (99%)	4 (1%)	0	100	100
13	U	338/358 (94%)	334 (99%)	4 (1%)	0	100	100
13	V	339/358 (95%)	333 (98%)	6 (2%)	0	100	100
13	W	340/358 (95%)	336 (99%)	4 (1%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
13	X	341/358 (95%)	332 (97%)	9 (3%)	0	100	100
13	Y	340/358 (95%)	335 (98%)	5 (2%)	0	100	100
13	Z	338/358 (94%)	333 (98%)	5 (2%)	0	100	100
13	a	339/358 (95%)	335 (99%)	4 (1%)	0	100	100
13	a1	338/358 (94%)	332 (98%)	6 (2%)	0	100	100
13	a2	337/358 (94%)	334 (99%)	3 (1%)	0	100	100
13	a3	341/358 (95%)	338 (99%)	3 (1%)	0	100	100
13	a4	341/358 (95%)	338 (99%)	3 (1%)	0	100	100
13	a5	340/358 (95%)	334 (98%)	6 (2%)	0	100	100
13	a6	339/358 (95%)	337 (99%)	2 (1%)	0	100	100
13	b	340/358 (95%)	334 (98%)	6 (2%)	0	100	100
13	b1	340/358 (95%)	334 (98%)	6 (2%)	0	100	100
13	b2	339/358 (95%)	334 (98%)	5 (2%)	0	100	100
13	b3	340/358 (95%)	336 (99%)	4 (1%)	0	100	100
13	b4	341/358 (95%)	338 (99%)	3 (1%)	0	100	100
13	b5	338/358 (94%)	331 (98%)	7 (2%)	0	100	100
13	b6	337/358 (94%)	331 (98%)	6 (2%)	0	100	100
13	c	339/358 (95%)	334 (98%)	5 (2%)	0	100	100
13	c1	339/358 (95%)	328 (97%)	11 (3%)	0	100	100
13	c2	338/358 (94%)	333 (98%)	5 (2%)	0	100	100
13	c3	340/358 (95%)	337 (99%)	3 (1%)	0	100	100
13	c4	340/358 (95%)	336 (99%)	4 (1%)	0	100	100
13	c5	339/358 (95%)	331 (98%)	8 (2%)	0	100	100
13	c6	337/358 (94%)	332 (98%)	5 (2%)	0	100	100
13	d	339/358 (95%)	335 (99%)	4 (1%)	0	100	100
13	e	340/358 (95%)	336 (99%)	4 (1%)	0	100	100
13	f	339/358 (95%)	336 (99%)	3 (1%)	0	100	100
13	g	339/358 (95%)	327 (96%)	12 (4%)	0	100	100
13	h	339/358 (95%)	336 (99%)	3 (1%)	0	100	100
13	i	338/358 (94%)	334 (99%)	4 (1%)	0	100	100
13	j	337/358 (94%)	332 (98%)	5 (2%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
13	k	338/358 (94%)	334 (99%)	4 (1%)	0	100	100
13	l	338/358 (94%)	336 (99%)	2 (1%)	0	100	100
13	m	339/358 (95%)	334 (98%)	5 (2%)	0	100	100
13	n	338/358 (94%)	333 (98%)	5 (2%)	0	100	100
13	o	339/358 (95%)	336 (99%)	3 (1%)	0	100	100
13	p	337/358 (94%)	332 (98%)	5 (2%)	0	100	100
13	q	341/358 (95%)	337 (99%)	4 (1%)	0	100	100
All	All	21293/22423 (95%)	20913 (98%)	377 (2%)	3 (0%)	100	100

All (3) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
3	aC	62	PHE
3	bC	62	PHE
3	cC	62	PHE

5.3.2 Protein sidechains ⓘ

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM entries.

The Analysed column shows the number of residues for which the sidechain conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	aA	593/603 (98%)	590 (100%)	3 (0%)	81	81
1	bA	593/603 (98%)	588 (99%)	5 (1%)	73	77
1	cA	593/603 (98%)	590 (100%)	3 (0%)	81	81
2	aB	597/598 (100%)	595 (100%)	2 (0%)	86	84
2	bB	597/598 (100%)	594 (100%)	3 (0%)	81	81
2	cB	597/598 (100%)	596 (100%)	1 (0%)	87	85
3	aC	67/68 (98%)	65 (97%)	2 (3%)	36	59
3	bC	67/68 (98%)	65 (97%)	2 (3%)	36	59
3	cC	67/68 (98%)	66 (98%)	1 (2%)	57	69
4	aD	114/116 (98%)	114 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
4	bD	114/116 (98%)	114 (100%)	0	100	100
4	cD	114/116 (98%)	114 (100%)	0	100	100
5	aE	59/65 (91%)	59 (100%)	0	100	100
5	bE	59/65 (91%)	59 (100%)	0	100	100
5	cE	59/65 (91%)	59 (100%)	0	100	100
6	aF	109/128 (85%)	109 (100%)	0	100	100
6	bF	109/128 (85%)	109 (100%)	0	100	100
6	cF	109/128 (85%)	109 (100%)	0	100	100
7	aI	32/32 (100%)	32 (100%)	0	100	100
7	bI	32/32 (100%)	32 (100%)	0	100	100
7	cI	32/32 (100%)	32 (100%)	0	100	100
8	aJ	36/36 (100%)	36 (100%)	0	100	100
8	bJ	36/36 (100%)	36 (100%)	0	100	100
8	cJ	36/36 (100%)	36 (100%)	0	100	100
9	aK	47/61 (77%)	47 (100%)	0	100	100
9	bK	47/61 (77%)	47 (100%)	0	100	100
9	cK	47/61 (77%)	47 (100%)	0	100	100
10	aL	118/120 (98%)	118 (100%)	0	100	100
10	bL	118/120 (98%)	118 (100%)	0	100	100
10	cL	118/120 (98%)	118 (100%)	0	100	100
11	aM	26/26 (100%)	25 (96%)	1 (4%)	29	54
11	bM	26/26 (100%)	26 (100%)	0	100	100
11	cM	26/26 (100%)	26 (100%)	0	100	100
12	aX	23/31 (74%)	23 (100%)	0	100	100
12	bX	23/31 (74%)	23 (100%)	0	100	100
12	cX	23/31 (74%)	23 (100%)	0	100	100
13	S	265/279 (95%)	264 (100%)	1 (0%)	84	83
13	T	264/279 (95%)	260 (98%)	4 (2%)	57	69
13	U	264/279 (95%)	262 (99%)	2 (1%)	73	77
13	V	265/279 (95%)	264 (100%)	1 (0%)	84	83
13	W	266/279 (95%)	266 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
13	X	266/279 (95%)	265 (100%)	1 (0%)	84	83
13	Y	266/279 (95%)	266 (100%)	0	100	100
13	Z	264/279 (95%)	262 (99%)	2 (1%)	73	77
13	a	265/279 (95%)	263 (99%)	2 (1%)	73	77
13	a1	264/279 (95%)	264 (100%)	0	100	100
13	a2	263/279 (94%)	263 (100%)	0	100	100
13	a3	266/279 (95%)	266 (100%)	0	100	100
13	a4	266/279 (95%)	266 (100%)	0	100	100
13	a5	266/279 (95%)	266 (100%)	0	100	100
13	a6	265/279 (95%)	265 (100%)	0	100	100
13	b	266/279 (95%)	266 (100%)	0	100	100
13	b1	266/279 (95%)	265 (100%)	1 (0%)	84	83
13	b2	265/279 (95%)	264 (100%)	1 (0%)	84	83
13	b3	266/279 (95%)	266 (100%)	0	100	100
13	b4	266/279 (95%)	265 (100%)	1 (0%)	84	83
13	b5	264/279 (95%)	262 (99%)	2 (1%)	73	77
13	b6	263/279 (94%)	261 (99%)	2 (1%)	73	77
13	c	265/279 (95%)	263 (99%)	2 (1%)	73	77
13	c1	265/279 (95%)	264 (100%)	1 (0%)	84	83
13	c2	264/279 (95%)	264 (100%)	0	100	100
13	c3	266/279 (95%)	265 (100%)	1 (0%)	84	83
13	c4	266/279 (95%)	266 (100%)	0	100	100
13	c5	265/279 (95%)	265 (100%)	0	100	100
13	c6	263/279 (94%)	262 (100%)	1 (0%)	84	83
13	d	265/279 (95%)	262 (99%)	3 (1%)	65	74
13	e	266/279 (95%)	265 (100%)	1 (0%)	84	83
13	f	265/279 (95%)	263 (99%)	2 (1%)	73	77
13	g	265/279 (95%)	263 (99%)	2 (1%)	73	77
13	h	265/279 (95%)	263 (99%)	2 (1%)	73	77
13	i	264/279 (95%)	261 (99%)	3 (1%)	65	74
13	j	263/279 (94%)	261 (99%)	2 (1%)	73	77

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
13	k	264/279 (95%)	260 (98%)	4 (2%)	57	69
13	l	264/279 (95%)	263 (100%)	1 (0%)	84	83
13	m	265/279 (95%)	265 (100%)	0	100	100
13	n	264/279 (95%)	264 (100%)	0	100	100
13	o	265/279 (95%)	265 (100%)	0	100	100
13	p	263/279 (94%)	262 (100%)	1 (0%)	84	83
13	q	266/279 (95%)	265 (100%)	1 (0%)	84	83
All	All	16852/17649 (96%)	16782 (100%)	70 (0%)	81	83

All (70) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	aA	12	VAL
1	aA	248	LEU
1	aA	587	CYS
2	aB	96	PHE
2	aB	441	TYR
3	aC	16	GLN
3	aC	63	LEU
11	aM	3	LEU
1	bA	12	VAL
1	bA	51	LEU
1	bA	248	LEU
1	bA	294	LEU
1	bA	587	CYS
2	bB	96	PHE
2	bB	441	TYR
2	bB	583	PHE
3	bC	11	CYS
3	bC	63	LEU
13	b1	274	PHE
13	b2	338	LEU
13	b4	353	ASN
13	b5	350	THR
13	b5	351	PHE
13	b6	54	VAL
13	b6	351	PHE
1	cA	12	VAL
1	cA	248	LEU
1	cA	587	CYS

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Mol	Chain	Res	Type
2	cB	583	PHE
3	cC	63	LEU
13	c1	205	TYR
13	c3	111	HIS
13	c6	295	LEU
13	S	163	PHE
13	T	111	HIS
13	T	196	THR
13	T	205	TYR
13	T	304	THR
13	U	212	ILE
13	U	305	ILE
13	V	254	GLU
13	X	351	PHE
13	Z	79	LEU
13	Z	225	ILE
13	a	205	TYR
13	a	212	ILE
13	c	79	LEU
13	c	203	TYR
13	d	163	PHE
13	d	205	TYR
13	d	212	ILE
13	e	222	HIS
13	f	139	ARG
13	f	205	TYR
13	g	163	PHE
13	g	304	THR
13	h	205	TYR
13	h	217	ASP
13	i	80	ILE
13	i	205	TYR
13	i	212	ILE
13	j	163	PHE
13	j	350	THR
13	k	79	LEU
13	k	163	PHE
13	k	205	TYR
13	k	222	HIS
13	l	163	PHE
13	p	163	PHE
13	q	163	PHE

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (203) such sidechains are listed below:

Mol	Chain	Res	Type
1	aA	93	HIS
1	aA	179	HIS
1	aA	192	ASN
1	aA	299	HIS
1	aA	353	HIS
1	aA	390	GLN
1	aA	426	GLN
1	aA	445	ASN
1	aA	461	HIS
1	aA	571	ASN
1	aA	657	GLN
2	aB	34	HIS
2	aB	67	HIS
2	aB	132	ASN
2	aB	156	HIS
2	aB	206	HIS
2	aB	275	HIS
2	aB	465	GLN
2	aB	592	ASN
2	aB	615	GLN
2	aB	617	ASN
2	aB	711	GLN
4	aD	71	GLN
5	aE	45	ASN
6	aF	46	ASN
6	aF	63	GLN
10	aL	142	ASN
13	a1	111	HIS
13	a1	236	HIS
13	a2	111	HIS
13	a2	194	GLN
13	a2	236	HIS
13	a3	67	GLN
13	a3	236	HIS
13	a4	37	ASN
13	a4	111	HIS
13	a4	185	ASN
13	a4	213	ASN
13	a4	344	ASN
13	a5	67	GLN
13	a5	236	HIS

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Mol	Chain	Res	Type
13	a6	17	GLN
13	a6	23	ASN
13	a6	67	GLN
13	a6	111	HIS
13	a6	236	HIS
1	bA	179	HIS
1	bA	181	HIS
1	bA	192	ASN
1	bA	299	HIS
1	bA	390	GLN
1	bA	445	ASN
1	bA	461	HIS
1	bA	571	ASN
1	bA	657	GLN
2	bB	132	ASN
2	bB	156	HIS
2	bB	196	HIS
2	bB	206	HIS
2	bB	275	HIS
2	bB	354	GLN
2	bB	592	ASN
2	bB	615	GLN
2	bB	617	ASN
2	bB	696	ASN
2	bB	711	GLN
6	bF	46	ASN
6	bF	157	ASN
10	bL	142	ASN
13	b1	111	HIS
13	b1	236	HIS
13	b1	331	GLN
13	b1	336	HIS
13	b2	17	GLN
13	b2	111	HIS
13	b2	236	HIS
13	b3	37	ASN
13	b3	77	GLN
13	b3	185	ASN
13	b4	344	ASN
13	b5	67	GLN
13	b5	144	HIS
13	b6	46	HIS

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Mol	Chain	Res	Type
13	b6	213	ASN
1	cA	93	HIS
1	cA	179	HIS
1	cA	192	ASN
1	cA	353	HIS
1	cA	390	GLN
1	cA	426	GLN
1	cA	461	HIS
1	cA	492	ASN
1	cA	571	ASN
2	cB	34	HIS
2	cB	79	GLN
2	cB	156	HIS
2	cB	196	HIS
2	cB	275	HIS
2	cB	393	HIS
2	cB	592	ASN
2	cB	617	ASN
2	cB	696	ASN
2	cB	711	GLN
3	cC	16	GLN
4	cD	71	GLN
6	cF	46	ASN
6	cF	63	GLN
6	cF	157	ASN
13	c1	46	HIS
13	c1	111	HIS
13	c1	236	HIS
13	c1	336	HIS
13	c1	347	GLN
13	c2	17	GLN
13	c2	111	HIS
13	c2	236	HIS
13	c2	312	HIS
13	c3	77	GLN
13	c3	236	HIS
13	c4	144	HIS
13	c4	344	ASN
13	c5	125	HIS
13	c5	236	HIS
13	c6	144	HIS
13	S	111	HIS

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Mol	Chain	Res	Type
13	S	312	HIS
13	S	336	HIS
13	T	17	GLN
13	T	187	GLN
13	T	336	HIS
13	U	17	GLN
13	U	111	HIS
13	U	213	ASN
13	U	236	HIS
13	V	23	ASN
13	V	111	HIS
13	V	185	ASN
13	V	353	ASN
13	W	111	HIS
13	W	236	HIS
13	X	23	ASN
13	X	236	HIS
13	X	312	HIS
13	Y	236	HIS
13	Z	111	HIS
13	Z	144	HIS
13	Z	236	HIS
13	a	236	HIS
13	b	84	HIS
13	b	111	HIS
13	b	208	HIS
13	b	213	ASN
13	c	111	HIS
13	d	23	ASN
13	d	111	HIS
13	d	125	HIS
13	d	213	ASN
13	d	312	HIS
13	d	336	HIS
13	e	37	ASN
13	e	111	HIS
13	e	236	HIS
13	f	17	GLN
13	f	77	GLN
13	f	111	HIS
13	f	236	HIS
13	g	37	ASN

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Mol	Chain	Res	Type
13	g	67	GLN
13	g	236	HIS
13	g	336	HIS
13	h	77	GLN
13	h	236	HIS
13	i	21	GLN
13	i	336	HIS
13	j	67	GLN
13	j	236	HIS
13	j	336	HIS
13	k	111	HIS
13	k	213	ASN
13	k	236	HIS
13	k	336	HIS
13	l	206	GLN
13	l	312	HIS
13	l	336	HIS
13	m	236	HIS
13	m	312	HIS
13	m	336	HIS
13	n	131	HIS
13	n	236	HIS
13	o	111	HIS
13	o	236	HIS
13	o	344	ASN
13	o	353	ASN
13	p	37	ASN
13	p	77	GLN
13	p	111	HIS
13	p	187	GLN
13	p	208	HIS
13	p	236	HIS
13	p	336	HIS
13	q	17	GLN
13	q	236	HIS
13	q	347	GLN

5.3.3 RNA ⓘ

There are no RNA molecules in this entry.

5.4 Non-standard residues in protein, DNA, RNA chains [i](#)

There are no non-standard protein/DNA/RNA residues in this entry.

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 1354 ligands modelled in this entry, 3 are monoatomic - leaving 1351 for Mogul analysis.

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and the number of bonds (or angles) that are defined in the Chemical Component Dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\# Z > 2$	Counts	RMSZ	$\# Z > 2$
14	CLA	bL	1503	-	69,73,73	1.18	6 (8%)	82,113,113	1.24	6 (7%)
14	CLA	a6	516	13	49,53,73	1.39	8 (16%)	58,89,113	1.45	6 (10%)
14	CLA	cA	1110	1	57,61,73	1.30	8 (14%)	67,98,113	1.34	5 (7%)
14	CLA	bB	1222	-	64,68,73	1.23	7 (10%)	76,107,113	1.30	7 (9%)
14	CLA	c3	513	13	54,58,73	1.33	6 (11%)	64,95,113	1.37	6 (9%)
17	BCR	aM	4021	-	41,41,41	0.67	0	56,56,56	2.21	15 (26%)
14	CLA	c	519	13	49,53,73	1.40	7 (14%)	58,89,113	1.42	4 (6%)
17	BCR	Y	521	-	41,41,41	0.64	0	56,56,56	2.06	15 (26%)
14	CLA	aB	1223	2	69,73,73	1.17	8 (11%)	82,113,113	1.28	5 (6%)
17	BCR	l	524	-	41,41,41	0.70	0	56,56,56	2.16	15 (26%)
14	CLA	c	505	13	69,73,73	1.18	7 (10%)	82,113,113	1.24	6 (7%)
14	CLA	f	508	13	49,53,73	1.39	7 (14%)	58,89,113	1.43	4 (6%)
14	CLA	i	508	13	49,53,73	1.40	9 (18%)	58,89,113	1.41	5 (8%)
14	CLA	c4	506	13	49,53,73	1.40	8 (16%)	58,89,113	1.40	4 (6%)
14	CLA	p	502	13	59,63,73	1.29	8 (13%)	70,101,113	1.33	6 (8%)
14	CLA	cA	1139	-	64,68,73	1.23	8 (12%)	76,107,113	1.25	5 (6%)
14	CLA	cB	1235	2	69,73,73	1.18	7 (10%)	82,113,113	1.26	6 (7%)
17	BCR	bA	4003	-	41,41,41	0.67	0	56,56,56	2.10	15 (26%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
17	BCR	c2	522	-	41,41,41	0.68	0	56,56,56	2.08	17 (30%)
17	BCR	a4	522	-	41,41,41	0.67	0	56,56,56	2.03	17 (30%)
14	CLA	U	505	13	59,63,73	1.27	7 (11%)	70,101,113	1.31	8 (11%)
21	LMG	b1	5104	-	35,35,55	0.89	0	43,43,63	1.24	3 (6%)
14	CLA	bA	1102	1	69,73,73	1.18	7 (10%)	82,113,113	1.27	7 (8%)
14	CLA	bB	1215	2	64,68,73	1.22	6 (9%)	76,107,113	1.28	6 (7%)
14	CLA	aA	1119	-	69,73,73	1.18	7 (10%)	82,113,113	1.25	6 (7%)
14	CLA	a4	505	13	64,68,73	1.22	7 (10%)	76,107,113	1.26	6 (7%)
14	CLA	bA	1128	1	69,73,73	1.19	8 (11%)	82,113,113	1.28	7 (8%)
14	CLA	bB	1219	-	59,63,73	1.27	5 (8%)	70,101,113	1.36	8 (11%)
14	CLA	cB	1210	2	69,73,73	1.18	7 (10%)	82,113,113	1.27	5 (6%)
17	BCR	g	523	-	41,41,41	0.69	0	56,56,56	2.06	17 (30%)
14	CLA	e	508	13	49,53,73	1.39	9 (18%)	58,89,113	1.42	5 (8%)
21	LMG	cB	5002	-	49,49,55	0.73	1 (2%)	57,57,63	1.34	8 (14%)
14	CLA	aA	1133	1	69,73,73	1.18	8 (11%)	82,113,113	1.25	5 (6%)
14	CLA	q	516	13	49,53,73	1.41	8 (16%)	58,89,113	1.37	6 (10%)
14	CLA	b1	503	13	67,71,73	1.20	7 (10%)	79,110,113	1.28	5 (6%)
14	CLA	S	519	13	49,53,73	1.41	7 (14%)	58,89,113	1.40	4 (6%)
17	BCR	o	522	-	41,41,41	0.68	0	56,56,56	2.17	16 (28%)
14	CLA	W	502	13	64,68,73	1.22	8 (12%)	76,107,113	1.31	6 (7%)
14	CLA	a6	510	13	69,73,73	1.19	8 (11%)	82,113,113	1.25	6 (7%)
19	LMU	bJ	5105	-	22,22,36	1.13	1 (4%)	27,27,47	0.82	0
17	BCR	c3	521	-	41,41,41	0.64	0	56,56,56	2.02	15 (26%)
14	CLA	cA	1022	-	69,73,73	1.18	8 (11%)	82,113,113	1.18	4 (4%)
14	CLA	Y	504	-	59,63,73	1.28	7 (11%)	70,101,113	1.33	5 (7%)
18	LHG	cA	5005	-	43,43,48	0.65	0	46,49,54	1.27	4 (8%)
17	BCR	b3	524	-	41,41,41	0.70	0	56,56,56	2.14	17 (30%)
20	SQD	a2	822	-	31,33,54	1.23	3 (9%)	41,44,65	1.64	9 (21%)
20	SQD	g	822	-	28,30,54	1.28	3 (10%)	38,41,65	1.71	8 (21%)
14	CLA	g	512	13	49,53,73	1.40	8 (16%)	58,89,113	1.40	4 (6%)
14	CLA	S	518	13	55,59,73	1.33	8 (14%)	64,96,113	1.36	6 (9%)
14	CLA	c	513	13	49,53,73	1.39	7 (14%)	58,89,113	1.40	5 (8%)
14	CLA	b	510	13	64,68,73	1.23	8 (12%)	76,107,113	1.28	6 (7%)
14	CLA	c1	509	13	69,73,73	1.18	6 (8%)	82,113,113	1.27	6 (7%)
14	CLA	b5	502	13	64,68,73	1.23	9 (14%)	76,107,113	1.31	6 (7%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
17	BCR	c2	523	-	41,41,41	0.72	1 (2%)	56,56,56	1.98	18 (32%)
17	BCR	bF	4014	-	41,41,41	0.68	0	56,56,56	2.20	15 (26%)
14	CLA	q	513	13	49,53,73	1.40	7 (14%)	58,89,113	1.40	5 (8%)
14	CLA	c2	509	13	69,73,73	1.18	8 (11%)	82,113,113	1.26	4 (4%)
20	SQD	b	822	-	29,31,54	1.26	3 (10%)	39,42,65	1.69	9 (23%)
14	CLA	aA	1121	1	59,63,73	1.28	7 (11%)	70,101,113	1.31	5 (7%)
14	CLA	bA	1108	1	49,53,73	1.40	6 (12%)	58,89,113	1.38	4 (6%)
14	CLA	a2	518	13	59,63,73	1.28	8 (13%)	70,101,113	1.33	6 (8%)
14	CLA	d	513	13	49,53,73	1.40	7 (14%)	58,89,113	1.42	5 (8%)
17	BCR	c3	523	-	41,41,41	0.69	0	56,56,56	2.01	15 (26%)
14	CLA	cA	1105	1	55,59,73	1.32	7 (12%)	64,96,113	1.39	6 (9%)
16	SF4	bA	3001	2,1	0,12,12	-	-	-	-	-
14	CLA	U	519	13	49,53,73	1.40	7 (14%)	58,89,113	1.39	4 (6%)
14	CLA	T	507	-	49,53,73	1.39	6 (12%)	58,89,113	1.40	4 (6%)
17	BCR	cB	4004	-	41,41,41	0.66	0	56,56,56	2.15	13 (23%)
14	CLA	bB	1239	2	69,73,73	1.19	7 (10%)	82,113,113	1.26	6 (7%)
14	CLA	c2	505	13	69,73,73	1.17	7 (10%)	82,113,113	1.28	7 (8%)
19	LMU	bA	1848	-	24,24,36	1.11	1 (4%)	29,29,47	0.83	0
14	CLA	b4	504	-	57,61,73	1.32	9 (15%)	67,98,113	1.38	6 (8%)
14	CLA	cB	1221	2	64,68,73	1.22	8 (12%)	76,107,113	1.26	4 (5%)
14	CLA	i	504	-	49,53,73	1.41	7 (14%)	58,89,113	1.43	4 (6%)
18	LHG	bX	4021	-	38,38,48	0.70	1 (2%)	41,44,54	1.39	6 (14%)
17	BCR	bI	4018	-	41,41,41	0.74	1 (2%)	56,56,56	2.15	17 (30%)
14	CLA	q	503	13	66,70,73	1.20	6 (9%)	78,109,113	1.30	5 (6%)
14	CLA	m	502	13	49,53,73	1.41	8 (16%)	58,89,113	1.45	4 (6%)
14	CLA	a1	519	13	49,53,73	1.41	6 (12%)	58,89,113	1.42	4 (6%)
14	CLA	k	511	13	49,53,73	1.40	8 (16%)	58,89,113	1.42	4 (6%)
17	BCR	o	521	-	41,41,41	0.65	0	56,56,56	2.09	14 (25%)
14	CLA	Z	511	13	49,53,73	1.40	6 (12%)	58,89,113	1.41	4 (6%)
14	CLA	W	510	13	69,73,73	1.19	8 (11%)	82,113,113	1.25	5 (6%)
14	CLA	a2	505	13	69,73,73	1.18	7 (10%)	82,113,113	1.26	7 (8%)
14	CLA	U	507	-	49,53,73	1.40	6 (12%)	58,89,113	1.39	4 (6%)
14	CLA	aA	1116	1	64,68,73	1.23	9 (14%)	76,107,113	1.28	6 (7%)
14	CLA	a6	501	13	69,73,73	1.19	8 (11%)	82,113,113	1.29	6 (7%)
14	CLA	cB	1239	2	69,73,73	1.19	7 (10%)	82,113,113	1.26	6 (7%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	c5	507	-	64,68,73	1.22	8 (12%)	76,107,113	1.30	6 (7%)
14	CLA	c1	501	13	69,73,73	1.19	8 (11%)	82,113,113	1.27	6 (7%)
14	CLA	g	518	13	49,53,73	1.39	7 (14%)	58,89,113	1.43	4 (6%)
14	CLA	l	508	13	50,54,73	1.37	8 (16%)	59,90,113	1.37	5 (8%)
14	CLA	cA	1113	1	49,53,73	1.39	7 (14%)	58,89,113	1.43	6 (10%)
14	CLA	o	507	-	49,53,73	1.40	8 (16%)	58,89,113	1.41	4 (6%)
17	BCR	g	521	-	41,41,41	0.65	0	56,56,56	2.13	14 (25%)
14	CLA	b1	516	13	49,53,73	1.40	8 (16%)	58,89,113	1.39	4 (6%)
14	CLA	c3	507	-	64,68,73	1.22	7 (10%)	76,107,113	1.29	5 (6%)
17	BCR	c	523	-	41,41,41	0.67	0	56,56,56	1.98	14 (25%)
14	CLA	f	512	13	49,53,73	1.41	8 (16%)	58,89,113	1.39	4 (6%)
17	BCR	b2	522	-	41,41,41	0.67	0	56,56,56	2.13	15 (26%)
14	CLA	b4	518	13	59,63,73	1.27	8 (13%)	70,101,113	1.35	6 (8%)
14	CLA	W	512	13	49,53,73	1.40	8 (16%)	58,89,113	1.40	4 (6%)
14	CLA	g	506	13	49,53,73	1.41	7 (14%)	58,89,113	1.40	4 (6%)
14	CLA	e	510	13	59,63,73	1.28	7 (11%)	70,101,113	1.32	7 (10%)
14	CLA	b	509	13	66,70,73	1.21	7 (10%)	78,109,113	1.30	6 (7%)
17	BCR	b5	523	-	41,41,41	0.69	0	56,56,56	1.90	15 (26%)
14	CLA	b2	508	13	59,63,73	1.28	7 (11%)	70,101,113	1.32	6 (8%)
14	CLA	b6	518	13	54,58,73	1.33	7 (12%)	64,95,113	1.36	6 (9%)
17	BCR	b6	521	-	41,41,41	0.66	0	56,56,56	2.15	14 (25%)
14	CLA	c4	517	-	49,53,73	1.40	6 (12%)	58,89,113	1.41	4 (6%)
14	CLA	aB	1012	-	66,70,73	1.20	7 (10%)	78,109,113	1.21	6 (7%)
14	CLA	a4	502	13	64,68,73	1.22	8 (12%)	76,107,113	1.30	6 (7%)
14	CLA	c	518	13	49,53,73	1.41	8 (16%)	58,89,113	1.41	4 (6%)
14	CLA	b4	519	13	56,60,73	1.31	7 (12%)	65,97,113	1.34	5 (7%)
14	CLA	U	502	13	61,65,73	1.26	8 (13%)	72,103,113	1.32	6 (8%)
14	CLA	c3	510	13	69,73,73	1.18	7 (10%)	82,113,113	1.25	5 (6%)
14	CLA	q	509	13	66,70,73	1.20	7 (10%)	78,109,113	1.29	6 (7%)
14	CLA	bB	1213	2	64,68,73	1.23	7 (10%)	76,107,113	1.31	6 (7%)
14	CLA	c2	506	13	49,53,73	1.40	7 (14%)	58,89,113	1.41	5 (8%)
14	CLA	aA	1134	1	61,65,73	1.26	7 (11%)	72,103,113	1.31	5 (6%)
17	BCR	b6	524	-	41,41,41	0.68	0	56,56,56	2.18	14 (25%)
14	CLA	l	510	13	49,53,73	1.40	7 (14%)	58,89,113	1.39	5 (8%)
20	SQD	c	822	-	29,31,54	1.26	3 (10%)	39,42,65	1.65	9 (23%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	a5	504	-	56,60,73	1.32	8 (14%)	65,97,113	1.37	6 (9%)
14	CLA	c	501	13	56,60,73	1.32	8 (14%)	65,97,113	1.36	5 (7%)
14	CLA	cB	1205	2	69,73,73	1.17	8 (11%)	82,113,113	1.31	7 (8%)
17	BCR	T	522	-	41,41,41	0.67	0	56,56,56	2.11	16 (28%)
14	CLA	Z	503	13	65,69,73	1.21	6 (9%)	77,108,113	1.29	5 (6%)
17	BCR	bF	4016	-	41,41,41	0.70	0	56,56,56	2.06	15 (26%)
14	CLA	c	516	13	49,53,73	1.39	5 (10%)	58,89,113	1.46	5 (8%)
14	CLA	n	518	13	51,55,73	1.36	8 (15%)	60,91,113	1.40	5 (8%)
14	CLA	aA	1111	1	59,63,73	1.28	7 (11%)	70,101,113	1.34	6 (8%)
14	CLA	cB	1224	2	62,66,73	1.24	8 (12%)	73,104,113	1.26	5 (6%)
14	CLA	a2	519	13	54,58,73	1.33	7 (12%)	64,95,113	1.37	6 (9%)
14	CLA	T	508	13	49,53,73	1.39	9 (18%)	58,89,113	1.42	4 (6%)
14	CLA	a1	509	13	69,73,73	1.18	7 (10%)	82,113,113	1.26	5 (6%)
17	BCR	h	523	-	41,41,41	0.68	0	56,56,56	1.96	14 (25%)
14	CLA	k	501	13	55,59,73	1.33	7 (12%)	64,96,113	1.37	6 (9%)
14	CLA	bA	1110	1	57,61,73	1.30	8 (14%)	67,98,113	1.33	5 (7%)
14	CLA	cB	1203	2	69,73,73	1.17	7 (10%)	82,113,113	1.25	5 (6%)
17	BCR	d	524	-	41,41,41	0.70	0	56,56,56	2.18	18 (32%)
14	CLA	cA	1121	1	55,59,73	1.33	7 (12%)	64,96,113	1.35	5 (7%)
14	CLA	l	512	13	49,53,73	1.41	8 (16%)	58,89,113	1.41	4 (6%)
14	CLA	o	503	13	66,70,73	1.21	7 (10%)	78,109,113	1.30	6 (7%)
14	CLA	S	513	13	51,55,73	1.36	6 (11%)	60,91,113	1.36	5 (8%)
14	CLA	k	516	13	49,53,73	1.40	7 (14%)	58,89,113	1.42	6 (10%)
17	BCR	p	521	-	41,41,41	0.66	0	56,56,56	2.17	13 (23%)
20	SQD	d	822	-	29,31,54	1.27	3 (10%)	39,42,65	1.65	9 (23%)
14	CLA	bB	1226	2	69,73,73	1.19	8 (11%)	82,113,113	1.30	7 (8%)
14	CLA	S	502	13	50,54,73	1.38	8 (16%)	59,90,113	1.40	4 (6%)
14	CLA	b3	510	13	69,73,73	1.18	7 (10%)	82,113,113	1.25	6 (7%)
14	CLA	m	512	13	49,53,73	1.40	7 (14%)	58,89,113	1.41	4 (6%)
14	CLA	d	516	13	49,53,73	1.40	6 (12%)	58,89,113	1.40	4 (6%)
14	CLA	c3	506	13	49,53,73	1.40	7 (14%)	58,89,113	1.41	4 (6%)
14	CLA	a	502	13	49,53,73	1.40	8 (16%)	58,89,113	1.43	4 (6%)
14	CLA	c1	502	13	64,68,73	1.23	8 (12%)	76,107,113	1.30	6 (7%)
14	CLA	c	510	13	64,68,73	1.23	8 (12%)	76,107,113	1.28	7 (9%)
14	CLA	bB	1227	2	58,62,73	1.28	6 (10%)	68,99,113	1.33	6 (8%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	l	516	13	49,53,73	1.38	6 (12%)	58,89,113	1.45	4 (6%)
14	CLA	g	519	13	49,53,73	1.40	7 (14%)	58,89,113	1.39	4 (6%)
14	CLA	W	506	13	49,53,73	1.40	7 (14%)	58,89,113	1.41	4 (6%)
18	LHG	bA	5001	-	48,48,48	0.62	1 (2%)	51,54,54	1.30	6 (11%)
14	CLA	aB	1239	2	69,73,73	1.19	8 (11%)	82,113,113	1.25	6 (7%)
15	PQN	cA	2001	-	34,34,34	3.05	12 (35%)	43,45,45	1.95	6 (13%)
14	CLA	c	512	13	49,53,73	1.40	7 (14%)	58,89,113	1.42	4 (6%)
20	SQD	V	822	-	29,31,54	1.28	3 (10%)	39,42,65	1.65	9 (23%)
14	CLA	f	519	13	49,53,73	1.40	6 (12%)	58,89,113	1.38	4 (6%)
14	CLA	aL	1503	-	69,73,73	1.18	7 (10%)	82,113,113	1.24	6 (7%)
14	CLA	i	517	-	49,53,73	1.41	7 (14%)	58,89,113	1.39	4 (6%)
17	BCR	aB	4006	-	41,41,41	0.68	0	56,56,56	2.08	14 (25%)
14	CLA	bJ	1303	8	61,65,73	1.27	7 (11%)	72,103,113	1.40	5 (6%)
14	CLA	c4	501	13	69,73,73	1.19	7 (10%)	82,113,113	1.26	5 (6%)
14	CLA	b6	505	13	69,73,73	1.18	7 (10%)	82,113,113	1.24	6 (7%)
17	BCR	Z	524	-	41,41,41	0.69	0	56,56,56	2.07	17 (30%)
14	CLA	b5	506	13	49,53,73	1.40	8 (16%)	58,89,113	1.41	5 (8%)
14	CLA	cB	1209	2	57,61,73	1.30	7 (12%)	67,98,113	1.41	7 (10%)
17	BCR	j	523	-	41,41,41	0.69	0	56,56,56	2.01	15 (26%)
17	BCR	k	521	-	41,41,41	0.65	0	56,56,56	2.10	14 (25%)
14	CLA	i	511	13	49,53,73	1.40	8 (16%)	58,89,113	1.41	4 (6%)
14	CLA	p	510	13	50,54,73	1.37	7 (14%)	59,90,113	1.37	5 (8%)
14	CLA	n	513	13	49,53,73	1.40	7 (14%)	58,89,113	1.42	5 (8%)
14	CLA	c	506	13	49,53,73	1.40	9 (18%)	58,89,113	1.41	5 (8%)
20	SQD	i	822	-	28,30,54	1.28	3 (10%)	38,41,65	1.70	10 (26%)
17	BCR	m	523	-	41,41,41	0.68	0	56,56,56	1.99	15 (26%)
17	BCR	Y	522	-	41,41,41	0.67	0	56,56,56	2.02	16 (28%)
14	CLA	cA	1138	1	69,73,73	1.18	7 (10%)	82,113,113	1.24	5 (6%)
14	CLA	a4	512	13	49,53,73	1.40	8 (16%)	58,89,113	1.40	4 (6%)
17	BCR	cB	4010	-	41,41,41	0.69	0	56,56,56	2.07	16 (28%)
14	CLA	b2	512	13	58,62,73	1.29	7 (12%)	68,99,113	1.32	5 (7%)
17	BCR	U	523	-	41,41,41	0.70	0	56,56,56	1.98	15 (26%)
17	BCR	X	521	-	41,41,41	0.64	0	56,56,56	2.06	14 (25%)
17	BCR	cA	4002	-	41,41,41	0.67	0	56,56,56	2.08	14 (25%)
17	BCR	j	524	-	41,41,41	0.72	0	56,56,56	2.20	17 (30%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	cB	1207	2	69,73,73	1.18	6 (8%)	82,113,113	1.26	5 (6%)
14	CLA	aA	1129	1	57,61,73	1.29	8 (14%)	67,98,113	1.34	5 (7%)
17	BCR	bB	4009	-	41,41,41	0.70	0	56,56,56	2.07	16 (28%)
14	CLA	X	516	13	49,53,73	1.41	6 (12%)	58,89,113	1.41	5 (8%)
14	CLA	bA	1122	1	64,68,73	1.23	7 (10%)	76,107,113	1.28	5 (6%)
14	CLA	l	511	13	49,53,73	1.40	8 (16%)	58,89,113	1.42	4 (6%)
14	CLA	c2	516	13	49,53,73	1.41	8 (16%)	58,89,113	1.40	4 (6%)
14	CLA	a4	516	13	49,53,73	1.39	6 (12%)	58,89,113	1.44	4 (6%)
17	BCR	c5	521	-	41,41,41	0.64	0	56,56,56	2.10	14 (25%)
14	CLA	T	510	13	60,64,73	1.27	7 (11%)	71,102,113	1.33	5 (7%)
14	CLA	n	516	13	49,53,73	1.40	7 (14%)	58,89,113	1.42	4 (6%)
17	BCR	b4	523	-	41,41,41	0.67	0	56,56,56	1.93	16 (28%)
14	CLA	a	519	13	49,53,73	1.40	7 (14%)	58,89,113	1.37	4 (6%)
14	CLA	p	506	13	49,53,73	1.41	8 (16%)	58,89,113	1.41	5 (8%)
14	CLA	aA	1115	1	64,68,73	1.22	7 (10%)	76,107,113	1.31	6 (7%)
14	CLA	h	509	13	69,73,73	1.18	8 (11%)	82,113,113	1.29	6 (7%)
14	CLA	j	516	13	49,53,73	1.40	6 (12%)	58,89,113	1.37	4 (6%)
17	BCR	a3	524	-	41,41,41	0.68	0	56,56,56	2.11	17 (30%)
17	BCR	c1	523	-	41,41,41	0.69	0	56,56,56	1.98	14 (25%)
18	LHG	cA	5003	14	40,40,48	0.69	2 (5%)	43,46,54	1.33	6 (13%)
14	CLA	p	505	13	51,55,73	1.35	7 (13%)	60,91,113	1.36	5 (8%)
14	CLA	bA	1116	1	64,68,73	1.23	9 (14%)	76,107,113	1.28	6 (7%)
14	CLA	b	517	-	49,53,73	1.40	8 (16%)	58,89,113	1.41	5 (8%)
14	CLA	bA	1130	1	59,63,73	1.27	7 (11%)	70,101,113	1.34	7 (10%)
14	CLA	f	517	-	49,53,73	1.41	7 (14%)	58,89,113	1.39	4 (6%)
14	CLA	k	510	13	49,53,73	1.40	7 (14%)	58,89,113	1.42	5 (8%)
14	CLA	c5	516	13	49,53,73	1.40	7 (14%)	58,89,113	1.39	4 (6%)
21	LMG	bJ	5104	-	29,29,55	0.98	0	37,37,63	1.23	4 (10%)
14	CLA	a4	510	13	69,73,73	1.19	7 (10%)	82,113,113	1.23	7 (8%)
14	CLA	aA	1135	1	55,59,73	1.32	7 (12%)	64,96,113	1.39	6 (9%)
14	CLA	aB	1233	-	49,53,73	1.40	6 (12%)	58,89,113	1.40	4 (6%)
14	CLA	U	516	13	49,53,73	1.40	7 (14%)	58,89,113	1.41	5 (8%)
14	CLA	aB	1211	2	69,73,73	1.18	7 (10%)	82,113,113	1.28	9 (10%)
18	LHG	cA	5004	-	30,30,48	0.78	1 (3%)	33,36,54	1.35	4 (12%)
14	CLA	a5	519	13	55,59,73	1.32	8 (14%)	64,96,113	1.36	4 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
17	BCR	b	521	-	41,41,41	0.65	0	56,56,56	2.10	13 (23%)
17	BCR	aJ	4012	-	41,41,41	0.66	0	56,56,56	2.05	18 (32%)
14	CLA	U	504	-	54,58,73	1.33	6 (11%)	64,95,113	1.40	6 (9%)
14	CLA	o	510	13	60,64,73	1.26	6 (10%)	71,102,113	1.30	6 (8%)
14	CLA	b3	511	13	66,70,73	1.21	8 (12%)	78,109,113	1.27	5 (6%)
17	BCR	bL	4022	-	41,41,41	0.65	0	56,56,56	2.13	13 (23%)
14	CLA	h	508	13	49,53,73	1.39	8 (16%)	58,89,113	1.41	5 (8%)
14	CLA	S	507	-	51,55,73	1.35	6 (11%)	60,91,113	1.38	5 (8%)
14	CLA	c6	507	-	61,65,73	1.26	7 (11%)	72,103,113	1.30	5 (6%)
14	CLA	f	502	13	49,53,73	1.39	8 (16%)	58,89,113	1.42	4 (6%)
14	CLA	b5	519	13	56,60,73	1.31	7 (12%)	65,97,113	1.36	5 (7%)
17	BCR	cK	4001	-	41,41,41	0.68	0	56,56,56	1.93	15 (26%)
17	BCR	c2	524	-	41,41,41	0.68	0	56,56,56	2.06	16 (28%)
14	CLA	c6	519	13	49,53,73	1.41	7 (14%)	58,89,113	1.39	4 (6%)
14	CLA	a1	502	13	64,68,73	1.23	9 (14%)	76,107,113	1.33	5 (6%)
14	CLA	e	501	13	49,53,73	1.41	9 (18%)	58,89,113	1.42	4 (6%)
14	CLA	cA	1801	18	49,53,73	1.40	8 (16%)	58,89,113	1.39	4 (6%)
14	CLA	c1	516	13	59,63,73	1.29	5 (8%)	70,101,113	1.36	6 (8%)
14	CLA	c4	503	13	69,73,73	1.18	7 (10%)	82,113,113	1.25	5 (6%)
14	CLA	T	503	13	49,53,73	1.41	6 (12%)	58,89,113	1.44	4 (6%)
14	CLA	W	516	13	49,53,73	1.39	7 (14%)	58,89,113	1.38	4 (6%)
17	BCR	aA	4011	-	41,41,41	0.70	1 (2%)	56,56,56	2.18	18 (32%)
14	CLA	i	506	13	49,53,73	1.40	7 (14%)	58,89,113	1.39	4 (6%)
17	BCR	aB	4009	-	41,41,41	0.71	0	56,56,56	2.12	16 (28%)
18	LHG	bA	5004	-	38,38,48	0.70	2 (5%)	41,44,54	1.25	4 (9%)
14	CLA	cB	1228	2	59,63,73	1.28	8 (13%)	70,101,113	1.32	6 (8%)
14	CLA	n	503	13	50,54,73	1.38	7 (14%)	59,90,113	1.40	4 (6%)
17	BCR	e	524	-	41,41,41	0.69	0	56,56,56	2.17	18 (32%)
14	CLA	e	507	-	54,58,73	1.33	7 (12%)	64,95,113	1.40	6 (9%)
14	CLA	cA	1118	1	64,68,73	1.22	7 (10%)	76,107,113	1.29	5 (6%)
14	CLA	o	506	13	49,53,73	1.40	8 (16%)	58,89,113	1.43	4 (6%)
14	CLA	c3	518	13	59,63,73	1.28	8 (13%)	70,101,113	1.33	6 (8%)
14	CLA	o	502	13	49,53,73	1.41	8 (16%)	58,89,113	1.45	4 (6%)
14	CLA	g	501	13	59,63,73	1.28	7 (11%)	70,101,113	1.35	6 (8%)
14	CLA	c5	505	13	69,73,73	1.17	7 (10%)	82,113,113	1.27	6 (7%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
17	BCR	Z	521	-	41,41,41	0.65	0	56,56,56	2.04	13 (23%)
14	CLA	a	509	13	69,73,73	1.18	7 (10%)	82,113,113	1.27	5 (6%)
14	CLA	bB	1212	2	49,53,73	1.39	7 (14%)	58,89,113	1.44	6 (10%)
14	CLA	c3	502	13	64,68,73	1.23	8 (12%)	76,107,113	1.31	5 (6%)
17	BCR	b1	521	-	41,41,41	0.65	0	56,56,56	2.09	16 (28%)
14	CLA	cA	1133	1	69,73,73	1.18	8 (11%)	82,113,113	1.26	5 (6%)
14	CLA	c1	510	13	69,73,73	1.18	6 (8%)	82,113,113	1.26	5 (6%)
14	CLA	i	510	13	54,58,73	1.33	7 (12%)	64,95,113	1.36	6 (9%)
14	CLA	p	518	13	52,56,73	1.35	7 (13%)	61,92,113	1.39	5 (8%)
14	CLA	c3	503	13	67,71,73	1.20	5 (7%)	79,110,113	1.27	5 (6%)
14	CLA	n	505	13	69,73,73	1.18	7 (10%)	82,113,113	1.25	6 (7%)
16	SF4	bC	3003	3	0,12,12	-	-	-	-	-
14	CLA	e	517	-	49,53,73	1.40	7 (14%)	58,89,113	1.43	5 (8%)
14	CLA	h	501	13	49,53,73	1.40	6 (12%)	58,89,113	1.43	4 (6%)
20	SQD	a1	822	-	29,31,54	1.27	3 (10%)	39,42,65	1.68	8 (20%)
14	CLA	bB	1206	2	69,73,73	1.19	8 (11%)	82,113,113	1.25	6 (7%)
17	BCR	W	524	-	41,41,41	0.70	0	56,56,56	2.04	17 (30%)
16	SF4	aC	3003	3	0,12,12	-	-	-	-	-
14	CLA	a6	519	13	49,53,73	1.39	6 (12%)	58,89,113	1.48	4 (6%)
14	CLA	g	516	13	49,53,73	1.39	6 (12%)	58,89,113	1.51	6 (10%)
14	CLA	a5	512	13	56,60,73	1.31	7 (12%)	65,97,113	1.34	6 (9%)
14	CLA	c1	506	13	49,53,73	1.40	9 (18%)	58,89,113	1.43	5 (8%)
14	CLA	aB	1219	-	59,63,73	1.27	5 (8%)	70,101,113	1.36	8 (11%)
14	CLA	aA	1128	1	69,73,73	1.19	8 (11%)	82,113,113	1.28	7 (8%)
14	CLA	a3	508	13	59,63,73	1.27	8 (13%)	70,101,113	1.32	5 (7%)
14	CLA	q	510	13	66,70,73	1.21	7 (10%)	78,109,113	1.29	7 (8%)
14	CLA	c1	507	-	64,68,73	1.23	8 (12%)	76,107,113	1.28	6 (7%)
14	CLA	cA	1116	1	64,68,73	1.22	9 (14%)	76,107,113	1.26	6 (7%)
14	CLA	l	517	-	49,53,73	1.38	9 (18%)	58,89,113	1.57	6 (10%)
14	CLA	a5	506	13	49,53,73	1.40	8 (16%)	58,89,113	1.41	5 (8%)
14	CLA	a1	504	-	59,63,73	1.29	7 (11%)	70,101,113	1.34	6 (8%)
14	CLA	o	512	13	49,53,73	1.40	8 (16%)	58,89,113	1.39	4 (6%)
17	BCR	bB	4004	-	41,41,41	0.66	0	56,56,56	2.14	13 (23%)
17	BCR	c1	522	-	41,41,41	0.68	0	56,56,56	2.11	15 (26%)
14	CLA	c6	512	13	49,53,73	1.40	7 (14%)	58,89,113	1.38	4 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
21	LMG	c1	5104	-	39,39,55	0.85	1 (2%)	47,47,63	1.24	4 (8%)
14	CLA	a4	511	13	49,53,73	1.41	8 (16%)	58,89,113	1.42	4 (6%)
17	BCR	cB	4006	-	41,41,41	0.68	0	56,56,56	2.11	15 (26%)
20	SQD	f	822	-	28,30,54	1.28	3 (10%)	38,41,65	1.66	9 (23%)
14	CLA	h	510	13	59,63,73	1.28	7 (11%)	70,101,113	1.31	7 (10%)
14	CLA	k	518	13	49,53,73	1.39	7 (14%)	58,89,113	1.40	4 (6%)
14	CLA	i	503	13	49,53,73	1.40	6 (12%)	58,89,113	1.44	4 (6%)
14	CLA	bB	1012	-	65,69,73	1.21	7 (10%)	77,108,113	1.22	6 (7%)
14	CLA	T	516	13	49,53,73	1.39	6 (12%)	58,89,113	1.46	5 (8%)
17	BCR	b4	521	-	41,41,41	0.65	0	56,56,56	2.07	15 (26%)
14	CLA	b5	508	13	59,63,73	1.28	9 (15%)	70,101,113	1.31	6 (8%)
14	CLA	p	509	13	66,70,73	1.21	7 (10%)	78,109,113	1.30	6 (7%)
14	CLA	l	502	13	59,63,73	1.29	8 (13%)	70,101,113	1.35	6 (8%)
21	LMG	aB	5002	-	49,49,55	0.74	1 (2%)	57,57,63	1.32	6 (10%)
14	CLA	p	512	13	49,53,73	1.40	7 (14%)	58,89,113	1.40	4 (6%)
17	BCR	g	524	-	41,41,41	0.69	0	56,56,56	2.03	16 (28%)
14	CLA	a3	509	13	69,73,73	1.17	8 (11%)	82,113,113	1.28	6 (7%)
14	CLA	a2	503	13	69,73,73	1.18	7 (10%)	82,113,113	1.28	7 (8%)
14	CLA	bA	1125	1	69,73,73	1.18	9 (13%)	82,113,113	1.25	6 (7%)
14	CLA	b2	511	13	55,59,73	1.33	8 (14%)	64,96,113	1.39	6 (9%)
14	CLA	c2	508	13	59,63,73	1.27	8 (13%)	70,101,113	1.31	5 (7%)
20	SQD	aB	1852	-	40,42,54	1.08	3 (7%)	50,53,65	1.60	11 (22%)
14	CLA	X	507	-	64,68,73	1.23	7 (10%)	76,107,113	1.30	6 (7%)
14	CLA	aA	1109	1	69,73,73	1.18	7 (10%)	82,113,113	1.23	5 (6%)
14	CLA	Z	507	-	64,68,73	1.22	8 (12%)	76,107,113	1.29	5 (6%)
14	CLA	c	508	13	59,63,73	1.28	8 (13%)	70,101,113	1.32	6 (8%)
14	CLA	a	513	13	49,53,73	1.40	7 (14%)	58,89,113	1.42	4 (6%)
14	CLA	b2	502	13	64,68,73	1.23	8 (12%)	76,107,113	1.31	6 (7%)
17	BCR	b3	521	-	41,41,41	0.64	0	56,56,56	2.07	15 (26%)
14	CLA	U	501	13	49,53,73	1.40	8 (16%)	58,89,113	1.41	4 (6%)
14	CLA	cA	1119	-	69,73,73	1.18	7 (10%)	82,113,113	1.24	6 (7%)
14	CLA	aB	1206	2	69,73,73	1.18	8 (11%)	82,113,113	1.25	6 (7%)
17	BCR	U	522	-	41,41,41	0.68	0	56,56,56	2.18	16 (28%)
14	CLA	V	511	13	49,53,73	1.40	8 (16%)	58,89,113	1.42	4 (6%)
17	BCR	V	521	-	41,41,41	0.64	0	56,56,56	2.05	12 (21%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	bA	1120	1	59,63,73	1.28	6 (10%)	70,101,113	1.36	6 (8%)
14	CLA	bA	1801	18	49,53,73	1.39	8 (16%)	58,89,113	1.39	4 (6%)
14	CLA	b6	513	13	54,58,73	1.33	7 (12%)	64,95,113	1.36	6 (9%)
19	LMU	aA	1848	-	24,24,36	1.10	1 (4%)	29,29,47	0.81	0
17	BCR	a	524	-	41,41,41	0.69	0	56,56,56	2.09	14 (25%)
14	CLA	aA	1114	-	49,53,73	1.41	8 (16%)	58,89,113	1.40	4 (6%)
14	CLA	X	517	-	49,53,73	1.40	8 (16%)	58,89,113	1.42	4 (6%)
14	CLA	b	519	13	49,53,73	1.41	7 (14%)	58,89,113	1.41	4 (6%)
14	CLA	cL	1503	-	69,73,73	1.18	8 (11%)	82,113,113	1.24	6 (7%)
14	CLA	h	503	13	49,53,73	1.40	7 (14%)	58,89,113	1.42	4 (6%)
14	CLA	T	511	13	49,53,73	1.39	7 (14%)	58,89,113	1.42	4 (6%)
14	CLA	c4	518	13	60,64,73	1.27	8 (13%)	71,102,113	1.33	6 (8%)
14	CLA	e	504	-	49,53,73	1.40	7 (14%)	58,89,113	1.40	4 (6%)
14	CLA	i	509	13	49,53,73	1.40	7 (14%)	58,89,113	1.43	5 (8%)
17	BCR	aA	4003	-	41,41,41	0.68	0	56,56,56	2.09	15 (26%)
14	CLA	bB	1233	-	49,53,73	1.40	7 (14%)	58,89,113	1.41	4 (6%)
14	CLA	c6	518	13	54,58,73	1.33	7 (12%)	64,95,113	1.39	6 (9%)
14	CLA	bB	1205	2	69,73,73	1.18	9 (13%)	82,113,113	1.29	7 (8%)
19	LMU	cB	1843	-	36,36,36	1.18	2 (5%)	47,47,47	0.97	1 (2%)
14	CLA	c2	510	13	69,73,73	1.18	7 (10%)	82,113,113	1.26	5 (6%)
14	CLA	g	507	-	49,53,73	1.40	6 (12%)	58,89,113	1.42	4 (6%)
14	CLA	bB	1211	2	69,73,73	1.17	7 (10%)	82,113,113	1.27	7 (8%)
16	SF4	bC	3002	3	0,12,12	-	-	-	-	-
14	CLA	aA	1139	-	64,68,73	1.23	8 (12%)	76,107,113	1.25	5 (6%)
14	CLA	k	502	13	49,53,73	1.40	8 (16%)	58,89,113	1.45	4 (6%)
14	CLA	X	502	13	64,68,73	1.23	9 (14%)	76,107,113	1.32	6 (7%)
17	BCR	T	524	-	41,41,41	0.69	0	56,56,56	2.10	15 (26%)
14	CLA	W	505	13	69,73,73	1.17	7 (10%)	82,113,113	1.27	7 (8%)
14	CLA	Z	502	13	60,64,73	1.27	8 (13%)	71,102,113	1.33	5 (7%)
14	CLA	m	518	13	49,53,73	1.39	6 (12%)	58,89,113	1.44	5 (8%)
16	SF4	aC	3002	3	0,12,12	-	-	-	-	-
14	CLA	a4	509	13	69,73,73	1.18	7 (10%)	82,113,113	1.28	6 (7%)
14	CLA	n	502	13	61,65,73	1.26	8 (13%)	72,103,113	1.34	5 (6%)
14	CLA	aB	1222	-	64,68,73	1.23	7 (10%)	76,107,113	1.32	8 (10%)
14	CLA	bA	1101	1	64,68,73	1.23	8 (12%)	76,107,113	1.28	5 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	Y	501	13	69,73,73	1.19	9 (13%)	82,113,113	1.28	6 (7%)
14	CLA	b4	505	13	64,68,73	1.22	7 (10%)	76,107,113	1.27	6 (7%)
20	SQD	c2	822	-	29,31,54	1.26	3 (10%)	39,42,65	1.69	9 (23%)
14	CLA	g	504	-	49,53,73	1.41	7 (14%)	58,89,113	1.42	4 (6%)
14	CLA	bB	1238	-	69,73,73	1.18	8 (11%)	82,113,113	1.27	6 (7%)
14	CLA	cB	1211	2	69,73,73	1.18	7 (10%)	82,113,113	1.27	7 (8%)
17	BCR	b1	523	-	41,41,41	0.69	0	56,56,56	1.89	14 (25%)
14	CLA	q	511	13	49,53,73	1.41	7 (14%)	58,89,113	1.42	4 (6%)
14	CLA	a4	518	13	61,65,73	1.26	8 (13%)	72,103,113	1.35	6 (8%)
17	BCR	aA	4002	-	41,41,41	0.68	0	56,56,56	2.07	15 (26%)
14	CLA	a3	518	13	63,67,73	1.23	7 (11%)	74,105,113	1.34	5 (6%)
17	BCR	aL	4022	-	41,41,41	0.65	0	56,56,56	2.13	14 (25%)
14	CLA	g	509	13	49,53,73	1.40	7 (14%)	58,89,113	1.43	5 (8%)
14	CLA	p	513	13	49,53,73	1.40	6 (12%)	58,89,113	1.43	4 (6%)
17	BCR	aI	4019	-	41,41,41	0.69	0	56,56,56	2.02	12 (21%)
17	BCR	aK	4001	-	41,41,41	0.68	0	56,56,56	1.93	15 (26%)
14	CLA	a6	508	13	59,63,73	1.28	9 (15%)	70,101,113	1.32	6 (8%)
14	CLA	bA	1011	1	69,73,73	1.18	6 (8%)	82,113,113	1.23	7 (8%)
17	BCR	cF	4015	-	41,41,41	0.67	0	56,56,56	2.12	16 (28%)
17	BCR	c	521	-	41,41,41	0.66	0	56,56,56	2.10	13 (23%)
14	CLA	j	502	13	49,53,73	1.41	8 (16%)	58,89,113	1.42	4 (6%)
14	CLA	Y	507	-	64,68,73	1.22	7 (10%)	76,107,113	1.28	5 (6%)
20	SQD	b1	822	-	29,31,54	1.27	4 (13%)	39,42,65	1.63	9 (23%)
14	CLA	aA	1124	-	60,64,73	1.25	7 (11%)	71,102,113	1.35	7 (9%)
14	CLA	aI	507	-	64,68,73	1.22	7 (10%)	76,107,113	1.28	6 (7%)
14	CLA	cA	1104	1	69,73,73	1.17	6 (8%)	82,113,113	1.25	6 (7%)
21	LMG	bB	5002	-	49,49,55	0.74	1 (2%)	57,57,63	1.33	8 (14%)
14	CLA	bA	1124	-	60,64,73	1.26	7 (11%)	71,102,113	1.34	6 (8%)
14	CLA	cB	1222	-	64,68,73	1.22	7 (10%)	76,107,113	1.30	7 (9%)
14	CLA	cB	1217	2	59,63,73	1.28	7 (11%)	70,101,113	1.33	6 (8%)
14	CLA	cB	1238	-	69,73,73	1.18	8 (11%)	82,113,113	1.27	6 (7%)
14	CLA	U	508	13	54,58,73	1.33	8 (14%)	64,95,113	1.36	6 (9%)
15	PQN	bA	2001	-	34,34,34	3.05	12 (35%)	43,45,45	1.97	6 (13%)
14	CLA	aJ	1303	8	61,65,73	1.28	6 (9%)	72,103,113	1.38	6 (8%)
20	SQD	c4	822	-	31,33,54	1.22	3 (9%)	41,44,65	1.66	10 (24%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	a6	518	13	54,58,73	1.33	8 (14%)	64,95,113	1.38	6 (9%)
17	BCR	cA	4003	-	41,41,41	0.69	0	56,56,56	2.09	14 (25%)
14	CLA	cB	1232	-	49,53,73	1.41	8 (16%)	58,89,113	1.40	4 (6%)
14	CLA	p	503	13	49,53,73	1.40	6 (12%)	58,89,113	1.42	4 (6%)
21	LMG	aJ	5104	-	31,31,55	0.91	0	39,39,63	1.22	4 (10%)
14	CLA	b3	519	13	56,60,73	1.32	6 (10%)	65,97,113	1.35	6 (9%)
14	CLA	a3	504	-	62,66,73	1.26	8 (12%)	73,104,113	1.35	5 (6%)
20	SQD	p	822	-	29,31,54	1.17	2 (6%)	39,42,65	1.64	9 (23%)
14	CLA	c1	518	13	59,63,73	1.27	7 (11%)	70,101,113	1.34	6 (8%)
14	CLA	k	513	13	49,53,73	1.40	6 (12%)	58,89,113	1.37	4 (6%)
17	BCR	c3	522	-	41,41,41	0.67	0	56,56,56	2.08	15 (26%)
18	LHG	aA	5001	-	47,47,48	0.62	1 (2%)	50,53,54	1.28	6 (12%)
14	CLA	i	513	13	49,53,73	1.40	7 (14%)	58,89,113	1.38	4 (6%)
14	CLA	X	504	-	59,63,73	1.27	8 (13%)	70,101,113	1.37	6 (8%)
14	CLA	T	506	13	49,53,73	1.40	7 (14%)	58,89,113	1.40	4 (6%)
14	CLA	Y	502	13	64,68,73	1.23	9 (14%)	76,107,113	1.31	6 (7%)
14	CLA	a1	513	13	54,58,73	1.33	7 (12%)	64,95,113	1.37	7 (10%)
17	BCR	k	523	-	41,41,41	0.71	0	56,56,56	1.95	16 (28%)
14	CLA	aB	1238	-	69,73,73	1.18	8 (11%)	82,113,113	1.27	6 (7%)
14	CLA	o	501	13	50,54,73	1.38	8 (16%)	59,90,113	1.39	4 (6%)
14	CLA	c1	503	13	67,71,73	1.20	6 (8%)	79,110,113	1.30	5 (6%)
14	CLA	bA	1119	-	69,73,73	1.18	8 (11%)	82,113,113	1.24	6 (7%)
14	CLA	a3	517	-	49,53,73	1.40	7 (14%)	58,89,113	1.44	6 (10%)
17	BCR	bA	4011	-	41,41,41	0.69	0	56,56,56	2.18	15 (26%)
14	CLA	aB	1216	-	64,68,73	1.23	8 (12%)	76,107,113	1.28	4 (5%)
14	CLA	bB	1214	2	69,73,73	1.18	8 (11%)	82,113,113	1.25	5 (6%)
14	CLA	bB	1204	2	64,68,73	1.22	7 (10%)	76,107,113	1.26	5 (6%)
14	CLA	T	512	13	49,53,73	1.40	8 (16%)	58,89,113	1.40	4 (6%)
17	BCR	bF	4015	-	41,41,41	0.67	0	56,56,56	2.05	16 (28%)
14	CLA	a4	513	13	54,58,73	1.33	7 (12%)	64,95,113	1.37	7 (10%)
14	CLA	d	511	13	49,53,73	1.40	7 (14%)	58,89,113	1.42	4 (6%)
17	BCR	b4	522	-	41,41,41	0.68	0	56,56,56	2.06	16 (28%)
14	CLA	m	519	13	49,53,73	1.41	6 (12%)	58,89,113	1.37	4 (6%)
14	CLA	a1	517	-	49,53,73	1.40	8 (16%)	58,89,113	1.44	5 (8%)
20	SQD	q	822	-	24,26,54	1.33	2 (8%)	34,37,65	1.75	8 (23%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	c2	511	13	49,53,73	1.40	8 (16%)	58,89,113	1.43	4 (6%)
17	BCR	c4	522	-	41,41,41	0.68	0	56,56,56	2.12	15 (26%)
14	CLA	c5	513	13	59,63,73	1.28	6 (10%)	70,101,113	1.31	5 (7%)
14	CLA	Z	518	13	59,63,73	1.28	7 (11%)	70,101,113	1.33	6 (8%)
14	CLA	bK	1103	9	45,49,73	1.46	9 (20%)	54,83,113	1.37	3 (5%)
14	CLA	b5	504	-	59,63,73	1.28	7 (11%)	70,101,113	1.32	5 (7%)
14	CLA	b1	506	13	49,53,73	1.40	8 (16%)	58,89,113	1.40	5 (8%)
14	CLA	X	508	13	49,53,73	1.40	9 (18%)	58,89,113	1.41	5 (8%)
14	CLA	b4	513	13	49,53,73	1.40	7 (14%)	58,89,113	1.39	4 (6%)
14	CLA	aA	1131	1	69,73,73	1.19	7 (10%)	82,113,113	1.24	6 (7%)
14	CLA	b1	505	13	69,73,73	1.18	7 (10%)	82,113,113	1.25	7 (8%)
14	CLA	a	510	13	49,53,73	1.40	7 (14%)	58,89,113	1.39	5 (8%)
14	CLA	V	519	13	49,53,73	1.40	6 (12%)	58,89,113	1.38	4 (6%)
17	BCR	bJ	4013	-	41,41,41	0.66	0	56,56,56	2.19	19 (33%)
17	BCR	e	522	-	41,41,41	0.68	0	56,56,56	2.20	15 (26%)
17	BCR	a2	521	-	41,41,41	0.65	0	56,56,56	2.03	14 (25%)
14	CLA	b	518	13	54,58,73	1.33	7 (12%)	64,95,113	1.39	6 (9%)
14	CLA	cA	1013	-	69,73,73	1.16	7 (10%)	82,113,113	1.23	7 (8%)
14	CLA	aB	1209	2	57,61,73	1.31	7 (12%)	67,98,113	1.40	7 (10%)
14	CLA	b3	518	13	60,64,73	1.27	6 (10%)	71,102,113	1.32	6 (8%)
14	CLA	b4	502	13	64,68,73	1.23	8 (12%)	76,107,113	1.31	6 (7%)
14	CLA	c6	504	-	49,53,73	1.40	7 (14%)	58,89,113	1.43	4 (6%)
14	CLA	h	507	-	49,53,73	1.40	7 (14%)	58,89,113	1.39	5 (8%)
14	CLA	S	503	13	64,68,73	1.23	7 (10%)	76,107,113	1.29	5 (6%)
14	CLA	cA	1136	1	69,73,73	1.17	7 (10%)	82,113,113	1.25	5 (6%)
14	CLA	Z	510	13	69,73,73	1.19	8 (11%)	82,113,113	1.24	6 (7%)
14	CLA	aB	1232	-	49,53,73	1.41	8 (16%)	58,89,113	1.41	4 (6%)
14	CLA	j	505	13	49,53,73	1.40	6 (12%)	58,89,113	1.38	4 (6%)
14	CLA	aB	1227	2	58,62,73	1.28	8 (13%)	68,99,113	1.35	7 (10%)
14	CLA	f	503	13	49,53,73	1.40	6 (12%)	58,89,113	1.42	4 (6%)
17	BCR	X	523	-	41,41,41	0.69	0	56,56,56	1.89	18 (32%)
14	CLA	n	510	13	49,53,73	1.40	7 (14%)	58,89,113	1.38	4 (6%)
14	CLA	bB	1236	2	54,58,73	1.32	6 (11%)	64,95,113	1.35	6 (9%)
14	CLA	e	513	13	49,53,73	1.41	8 (16%)	58,89,113	1.37	4 (6%)
17	BCR	Z	523	-	41,41,41	0.71	1 (2%)	56,56,56	2.01	18 (32%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	T	509	13	65,69,73	1.21	7 (10%)	77,108,113	1.30	5 (6%)
14	CLA	bA	1118	1	64,68,73	1.23	7 (10%)	76,107,113	1.29	5 (6%)
17	BCR	cA	4008	-	41,41,41	0.71	0	56,56,56	2.02	12 (21%)
14	CLA	aB	1207	2	69,73,73	1.18	7 (10%)	82,113,113	1.28	5 (6%)
14	CLA	W	511	13	49,53,73	1.41	8 (16%)	58,89,113	1.43	4 (6%)
14	CLA	aB	1204	2	64,68,73	1.22	7 (10%)	76,107,113	1.27	5 (6%)
14	CLA	aA	1130	1	59,63,73	1.27	7 (11%)	70,101,113	1.35	8 (11%)
14	CLA	b2	504	-	49,53,73	1.40	7 (14%)	58,89,113	1.42	4 (6%)
17	BCR	o	523	-	41,41,41	0.70	0	56,56,56	1.94	16 (28%)
14	CLA	aB	1213	2	69,73,73	1.17	6 (8%)	82,113,113	1.29	7 (8%)
14	CLA	b4	501	13	69,73,73	1.18	8 (11%)	82,113,113	1.27	6 (7%)
14	CLA	cB	1219	-	56,60,73	1.30	5 (8%)	65,97,113	1.40	7 (10%)
14	CLA	V	517	-	49,53,73	1.41	8 (16%)	58,89,113	1.33	6 (10%)
14	CLA	m	509	13	49,53,73	1.40	7 (14%)	58,89,113	1.43	4 (6%)
14	CLA	bB	1210	2	69,73,73	1.18	7 (10%)	82,113,113	1.27	5 (6%)
14	CLA	bA	1103	1	69,73,73	1.18	6 (8%)	82,113,113	1.29	6 (7%)
17	BCR	h	522	-	41,41,41	0.68	0	56,56,56	2.04	16 (28%)
14	CLA	Y	512	13	49,53,73	1.39	8 (16%)	58,89,113	1.40	4 (6%)
17	BCR	cJ	4013	-	41,41,41	0.66	0	56,56,56	2.21	17 (30%)
14	CLA	i	512	13	49,53,73	1.40	8 (16%)	58,89,113	1.41	4 (6%)
14	CLA	b2	509	13	69,73,73	1.18	8 (11%)	82,113,113	1.27	5 (6%)
18	LHG	cA	5002	-	41,41,48	0.67	1 (2%)	44,47,54	1.22	4 (9%)
14	CLA	Z	506	13	49,53,73	1.40	8 (16%)	58,89,113	1.41	4 (6%)
17	BCR	c5	523	-	41,41,41	0.70	0	56,56,56	2.00	16 (28%)
14	CLA	q	506	13	49,53,73	1.41	8 (16%)	58,89,113	1.45	5 (8%)
14	CLA	U	503	13	49,53,73	1.41	6 (12%)	58,89,113	1.43	4 (6%)
14	CLA	f	505	13	49,53,73	1.39	6 (12%)	58,89,113	1.46	9 (15%)
14	CLA	V	501	13	66,70,73	1.21	8 (12%)	78,109,113	1.28	6 (7%)
14	CLA	b	504	-	54,58,73	1.34	7 (12%)	64,95,113	1.39	6 (9%)
14	CLA	cB	1012	-	66,70,73	1.20	7 (10%)	78,109,113	1.21	6 (7%)
14	CLA	j	507	-	49,53,73	1.40	6 (12%)	58,89,113	1.43	4 (6%)
14	CLA	aB	1226	2	69,73,73	1.19	8 (11%)	82,113,113	1.31	6 (7%)
14	CLA	g	517	-	49,53,73	1.40	7 (14%)	58,89,113	1.38	4 (6%)
14	CLA	a5	502	13	64,68,73	1.23	9 (14%)	76,107,113	1.31	6 (7%)
14	CLA	T	517	-	49,53,73	1.40	8 (16%)	58,89,113	1.44	5 (8%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	b	513	13	49,53,73	1.40	7 (14%)	58,89,113	1.40	5 (8%)
14	CLA	bB	1201	2	61,65,73	1.25	6 (9%)	72,103,113	1.31	5 (6%)
14	CLA	m	507	-	49,53,73	1.40	6 (12%)	58,89,113	1.41	4 (6%)
14	CLA	b4	510	13	69,73,73	1.18	6 (8%)	82,113,113	1.27	6 (7%)
14	CLA	bA	1132	1	69,73,73	1.17	8 (11%)	82,113,113	1.28	7 (8%)
14	CLA	b5	517	-	49,53,73	1.40	7 (14%)	58,89,113	1.44	4 (6%)
14	CLA	cA	1107	1	59,63,73	1.27	7 (11%)	70,101,113	1.32	6 (8%)
14	CLA	b6	510	13	69,73,73	1.18	7 (10%)	82,113,113	1.24	7 (8%)
14	CLA	a3	507	-	66,70,73	1.21	7 (10%)	78,109,113	1.27	5 (6%)
14	CLA	aB	1236	2	54,58,73	1.33	7 (12%)	64,95,113	1.36	6 (9%)
14	CLA	Y	510	13	69,73,73	1.18	7 (10%)	82,113,113	1.26	4 (4%)
20	SQD	S	822	-	29,31,54	1.25	3 (10%)	39,42,65	1.66	10 (25%)
14	CLA	cB	1226	2	69,73,73	1.19	8 (11%)	82,113,113	1.31	7 (8%)
17	BCR	b6	523	-	41,41,41	0.69	0	56,56,56	2.00	14 (25%)
14	CLA	d	508	13	59,63,73	1.28	9 (15%)	70,101,113	1.33	6 (8%)
14	CLA	c2	517	-	49,53,73	1.40	8 (16%)	58,89,113	1.40	4 (6%)
14	CLA	h	512	13	49,53,73	1.39	8 (16%)	58,89,113	1.41	4 (6%)
14	CLA	a5	510	13	69,73,73	1.19	7 (10%)	82,113,113	1.26	6 (7%)
14	CLA	aB	1221	2	64,68,73	1.22	7 (10%)	76,107,113	1.27	5 (6%)
14	CLA	o	504	-	49,53,73	1.41	8 (16%)	58,89,113	1.42	4 (6%)
17	BCR	j	522	-	41,41,41	0.68	0	56,56,56	2.17	15 (26%)
14	CLA	a2	510	13	69,73,73	1.18	7 (10%)	82,113,113	1.28	7 (8%)
17	BCR	aI	4018	-	41,41,41	0.74	1 (2%)	56,56,56	2.12	15 (26%)
14	CLA	a	511	13	49,53,73	1.40	7 (14%)	58,89,113	1.39	4 (6%)
14	CLA	c3	516	13	49,53,73	1.40	7 (14%)	58,89,113	1.40	5 (8%)
17	BCR	c2	521	-	41,41,41	0.66	0	56,56,56	2.06	13 (23%)
14	CLA	cA	1237	-	69,73,73	1.19	8 (11%)	82,113,113	1.28	6 (7%)
17	BCR	a5	522	-	41,41,41	0.68	0	56,56,56	2.09	16 (28%)
17	BCR	bA	4007	-	41,41,41	0.69	0	56,56,56	2.05	15 (26%)
14	CLA	cB	1234	2	64,68,73	1.24	8 (12%)	76,107,113	1.30	6 (7%)
14	CLA	c	511	13	49,53,73	1.40	7 (14%)	58,89,113	1.42	4 (6%)
20	SQD	a5	822	-	31,33,54	1.23	3 (9%)	41,44,65	1.65	9 (21%)
14	CLA	U	509	13	49,53,73	1.40	6 (12%)	58,89,113	1.41	4 (6%)
14	CLA	p	516	13	49,53,73	1.39	6 (12%)	58,89,113	1.40	4 (6%)
14	CLA	cB	1233	-	49,53,73	1.40	6 (12%)	58,89,113	1.41	4 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	a	504	-	49,53,73	1.40	7 (14%)	58,89,113	1.42	4 (6%)
14	CLA	cB	1225	2	69,73,73	1.18	8 (11%)	82,113,113	1.24	6 (7%)
14	CLA	b1	509	13	69,73,73	1.18	8 (11%)	82,113,113	1.26	6 (7%)
14	CLA	m	501	13	49,53,73	1.40	7 (14%)	58,89,113	1.41	4 (6%)
17	BCR	b5	522	-	41,41,41	0.69	0	56,56,56	2.09	16 (28%)
14	CLA	n	511	13	49,53,73	1.40	8 (16%)	58,89,113	1.44	4 (6%)
14	CLA	b4	503	13	69,73,73	1.18	7 (10%)	82,113,113	1.24	5 (6%)
14	CLA	S	510	13	59,63,73	1.27	7 (11%)	70,101,113	1.32	7 (10%)
14	CLA	b1	512	13	57,61,73	1.30	8 (14%)	67,98,113	1.34	6 (8%)
17	BCR	cF	4016	-	41,41,41	0.69	0	56,56,56	2.07	15 (26%)
20	SQD	b5	822	-	28,30,54	1.29	3 (10%)	38,41,65	1.68	9 (23%)
14	CLA	bB	1207	2	69,73,73	1.18	7 (10%)	82,113,113	1.29	5 (6%)
14	CLA	bA	1109	1	69,73,73	1.18	7 (10%)	82,113,113	1.23	5 (6%)
17	BCR	cA	4011	-	41,41,41	0.69	0	56,56,56	2.16	16 (28%)
14	CLA	Y	503	13	67,71,73	1.20	6 (8%)	79,110,113	1.27	5 (6%)
14	CLA	c4	511	13	49,53,73	1.41	8 (16%)	58,89,113	1.43	4 (6%)
14	CLA	V	518	13	49,53,73	1.39	6 (12%)	58,89,113	1.43	5 (8%)
14	CLA	n	509	13	64,68,73	1.23	7 (10%)	76,107,113	1.29	6 (7%)
14	CLA	b3	513	13	54,58,73	1.33	7 (12%)	64,95,113	1.39	6 (9%)
14	CLA	cA	1108	1	49,53,73	1.40	8 (16%)	58,89,113	1.39	4 (6%)
14	CLA	j	509	13	64,68,73	1.22	7 (10%)	76,107,113	1.29	6 (7%)
14	CLA	cA	1103	1	69,73,73	1.18	6 (8%)	82,113,113	1.29	5 (6%)
17	BCR	X	522	-	41,41,41	0.68	0	56,56,56	2.06	17 (30%)
17	BCR	cL	4022	-	41,41,41	0.64	0	56,56,56	2.15	13 (23%)
14	CLA	cB	1201	2	61,65,73	1.26	6 (9%)	72,103,113	1.32	6 (8%)
14	CLA	a4	508	13	69,73,73	1.18	9 (13%)	82,113,113	1.31	6 (7%)
14	CLA	c6	513	13	49,53,73	1.40	7 (14%)	58,89,113	1.40	5 (8%)
17	BCR	aJ	4013	-	41,41,41	0.67	0	56,56,56	2.13	18 (32%)
14	CLA	S	506	13	49,53,73	1.40	8 (16%)	58,89,113	1.44	4 (6%)
14	CLA	i	516	13	49,53,73	1.38	8 (16%)	58,89,113	1.44	5 (8%)
14	CLA	cB	1223	2	69,73,73	1.18	8 (11%)	82,113,113	1.28	7 (8%)
17	BCR	c5	522	-	41,41,41	0.66	0	56,56,56	2.12	15 (26%)
20	SQD	b2	822	-	30,32,54	1.26	4 (13%)	40,43,65	1.70	10 (25%)
14	CLA	b6	512	13	49,53,73	1.41	8 (16%)	58,89,113	1.39	4 (6%)
14	CLA	d	504	-	49,53,73	1.41	8 (16%)	58,89,113	1.41	4 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	a2	507	-	65,69,73	1.21	7 (10%)	77,108,113	1.27	6 (7%)
20	SQD	m	822	-	27,29,54	1.22	3 (11%)	37,40,65	1.66	8 (21%)
14	CLA	bB	1224	2	61,65,73	1.25	9 (14%)	72,103,113	1.27	6 (8%)
17	BCR	cI	4020	-	41,41,41	0.68	0	56,56,56	1.98	15 (26%)
14	CLA	b4	506	13	49,53,73	1.40	8 (16%)	58,89,113	1.40	4 (6%)
14	CLA	Y	513	13	49,53,73	1.40	7 (14%)	58,89,113	1.40	5 (8%)
14	CLA	e	512	13	49,53,73	1.40	7 (14%)	58,89,113	1.41	4 (6%)
17	BCR	b1	522	-	41,41,41	0.69	0	56,56,56	2.02	17 (30%)
14	CLA	bA	1104	1	69,73,73	1.18	8 (11%)	82,113,113	1.23	5 (6%)
14	CLA	b6	506	13	49,53,73	1.40	7 (14%)	58,89,113	1.40	4 (6%)
14	CLA	b6	502	13	64,68,73	1.23	9 (14%)	76,107,113	1.29	6 (7%)
14	CLA	k	512	13	49,53,73	1.40	7 (14%)	58,89,113	1.43	4 (6%)
14	CLA	bB	1231	2	59,63,73	1.29	7 (11%)	70,101,113	1.31	6 (8%)
17	BCR	a4	523	-	41,41,41	0.71	1 (2%)	56,56,56	1.97	16 (28%)
17	BCR	bA	4008	-	41,41,41	0.70	0	56,56,56	2.05	16 (28%)
14	CLA	b2	517	-	49,53,73	1.40	8 (16%)	58,89,113	1.42	5 (8%)
14	CLA	h	504	-	49,53,73	1.40	8 (16%)	58,89,113	1.42	5 (8%)
14	CLA	c2	519	13	54,58,73	1.33	6 (11%)	64,95,113	1.38	6 (9%)
14	CLA	a2	517	-	49,53,73	1.40	8 (16%)	58,89,113	1.40	4 (6%)
14	CLA	bJ	1302	8	51,55,73	1.37	7 (13%)	60,91,113	1.38	4 (6%)
17	BCR	c	524	-	41,41,41	0.70	0	56,56,56	2.13	17 (30%)
17	BCR	cF	4014	-	41,41,41	0.69	0	56,56,56	2.21	16 (28%)
14	CLA	V	504	-	59,63,73	1.29	8 (13%)	70,101,113	1.33	5 (7%)
14	CLA	d	512	13	49,53,73	1.40	8 (16%)	58,89,113	1.41	4 (6%)
14	CLA	bA	1115	1	64,68,73	1.22	7 (10%)	76,107,113	1.31	6 (7%)
17	BCR	c4	521	-	41,41,41	0.66	0	56,56,56	2.09	17 (30%)
14	CLA	b1	513	13	54,58,73	1.33	7 (12%)	64,95,113	1.38	6 (9%)
14	CLA	q	502	13	49,53,73	1.40	8 (16%)	58,89,113	1.43	4 (6%)
14	CLA	bB	1217	2	59,63,73	1.27	7 (11%)	70,101,113	1.33	5 (7%)
14	CLA	a2	511	13	55,59,73	1.33	8 (14%)	64,96,113	1.40	5 (7%)
21	LMG	cJ	5104	-	31,31,55	0.90	0	39,39,63	1.22	4 (10%)
14	CLA	m	517	-	49,53,73	1.40	7 (14%)	58,89,113	1.40	4 (6%)
20	SQD	T	822	-	29,31,54	1.25	3 (10%)	39,42,65	1.70	11 (28%)
14	CLA	o	519	13	49,53,73	1.40	7 (14%)	58,89,113	1.36	4 (6%)
17	BCR	q	524	-	41,41,41	0.70	0	56,56,56	2.12	18 (32%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	m	503	13	49,53,73	1.40	6 (12%)	58,89,113	1.43	4 (6%)
14	CLA	X	501	13	69,73,73	1.19	7 (10%)	82,113,113	1.27	6 (7%)
17	BCR	b1	524	-	41,41,41	0.70	0	56,56,56	2.03	17 (30%)
14	CLA	c4	516	13	49,53,73	1.40	7 (14%)	58,89,113	1.42	4 (6%)
14	CLA	Y	516	13	49,53,73	1.40	5 (10%)	58,89,113	1.43	4 (6%)
14	CLA	k	505	13	49,53,73	1.40	6 (12%)	58,89,113	1.38	4 (6%)
17	BCR	m	521	-	41,41,41	0.64	0	56,56,56	2.17	15 (26%)
14	CLA	aA	1122	1	64,68,73	1.23	7 (10%)	76,107,113	1.29	6 (7%)
14	CLA	k	504	-	49,53,73	1.41	6 (12%)	58,89,113	1.42	4 (6%)
14	CLA	bB	1216	-	59,63,73	1.28	8 (13%)	70,101,113	1.32	5 (7%)
20	SQD	a4	822	-	34,36,54	1.17	3 (8%)	44,47,65	1.61	10 (22%)
14	CLA	Z	505	13	69,73,73	1.17	7 (10%)	82,113,113	1.24	5 (6%)
14	CLA	j	513	13	54,58,73	1.33	6 (11%)	64,95,113	1.39	6 (9%)
15	PQN	cB	2002	-	34,34,34	3.04	11 (32%)	43,45,45	2.00	6 (13%)
14	CLA	S	509	13	69,73,73	1.18	6 (8%)	82,113,113	1.27	5 (6%)
14	CLA	aA	1013	-	69,73,73	1.17	8 (11%)	82,113,113	1.24	6 (7%)
14	CLA	T	504	-	49,53,73	1.41	8 (16%)	58,89,113	1.41	4 (6%)
14	CLA	S	511	13	54,58,73	1.34	7 (12%)	64,95,113	1.39	6 (9%)
14	CLA	c5	501	13	69,73,73	1.19	7 (10%)	82,113,113	1.26	6 (7%)
14	CLA	bA	1022	-	69,73,73	1.18	8 (11%)	82,113,113	1.18	4 (4%)
18	LHG	bA	5005	-	38,38,48	0.69	0	41,44,54	1.29	4 (9%)
15	PQN	aA	2001	-	34,34,34	3.04	12 (35%)	43,45,45	1.97	6 (13%)
20	SQD	c3	822	-	30,32,54	1.25	3 (10%)	40,43,65	1.62	10 (25%)
14	CLA	cA	1135	1	55,59,73	1.32	8 (14%)	64,96,113	1.39	7 (10%)
14	CLA	c3	501	13	69,73,73	1.18	8 (11%)	82,113,113	1.26	6 (7%)
14	CLA	g	503	13	49,53,73	1.40	6 (12%)	58,89,113	1.43	4 (6%)
14	CLA	S	512	13	49,53,73	1.40	8 (16%)	58,89,113	1.41	4 (6%)
17	BCR	Z	522	-	41,41,41	0.67	0	56,56,56	2.15	15 (26%)
14	CLA	c5	508	13	59,63,73	1.28	9 (15%)	70,101,113	1.31	6 (8%)
14	CLA	o	516	13	49,53,73	1.40	5 (10%)	58,89,113	1.45	5 (8%)
14	CLA	aA	1123	-	69,73,73	1.18	7 (10%)	82,113,113	1.28	8 (9%)
17	BCR	bB	4005	-	41,41,41	0.72	0	56,56,56	1.95	13 (23%)
21	LMG	a1	5104	-	40,40,55	0.85	1 (2%)	48,48,63	1.22	4 (8%)
14	CLA	cJ	1303	8	61,65,73	1.28	7 (11%)	72,103,113	1.39	6 (8%)
20	SQD	W	822	-	30,32,54	1.24	3 (10%)	40,43,65	1.66	9 (22%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	bB	1220	2	54,58,73	1.33	8 (14%)	64,95,113	1.39	6 (9%)
14	CLA	b6	503	13	69,73,73	1.19	7 (10%)	82,113,113	1.26	5 (6%)
17	BCR	c1	521	-	41,41,41	0.67	0	56,56,56	2.12	15 (26%)
14	CLA	a5	503	13	69,73,73	1.19	6 (8%)	82,113,113	1.25	5 (6%)
14	CLA	q	501	13	61,65,73	1.26	8 (13%)	72,103,113	1.32	6 (8%)
17	BCR	b2	523	-	41,41,41	0.68	0	56,56,56	1.91	12 (21%)
17	BCR	b3	522	-	41,41,41	0.68	0	56,56,56	2.08	17 (30%)
14	CLA	Z	513	13	54,58,73	1.33	7 (12%)	64,95,113	1.37	5 (7%)
14	CLA	b5	507	-	65,69,73	1.21	8 (12%)	77,108,113	1.31	5 (6%)
17	BCR	a2	523	-	41,41,41	0.69	0	56,56,56	1.92	15 (26%)
14	CLA	a5	511	13	49,53,73	1.40	8 (16%)	58,89,113	1.41	4 (6%)
14	CLA	cF	1301	-	49,53,73	1.41	8 (16%)	58,89,113	1.38	4 (6%)
14	CLA	b	508	13	49,53,73	1.39	7 (14%)	58,89,113	1.42	5 (8%)
14	CLA	c2	518	13	59,63,73	1.28	8 (13%)	70,101,113	1.32	6 (8%)
14	CLA	c	509	13	66,70,73	1.21	8 (12%)	78,109,113	1.30	6 (7%)
14	CLA	o	517	-	49,53,73	1.41	8 (16%)	58,89,113	1.40	4 (6%)
17	BCR	c6	521	-	41,41,41	0.66	0	56,56,56	2.14	16 (28%)
17	BCR	b4	524	-	41,41,41	0.71	0	56,56,56	2.07	14 (25%)
14	CLA	cA	1106	1	69,73,73	1.18	8 (11%)	82,113,113	1.26	6 (7%)
14	CLA	aB	1021	2	69,73,73	1.18	6 (8%)	82,113,113	1.19	6 (7%)
14	CLA	S	505	13	59,63,73	1.28	7 (11%)	70,101,113	1.32	8 (11%)
14	CLA	c6	505	13	64,68,73	1.23	7 (10%)	76,107,113	1.28	6 (7%)
17	BCR	q	523	-	41,41,41	0.68	0	56,56,56	1.95	14 (25%)
14	CLA	c6	503	13	69,73,73	1.19	7 (10%)	82,113,113	1.26	5 (6%)
19	LMU	aA	1849	-	23,23,36	1.13	1 (4%)	28,28,47	0.82	0
14	CLA	c5	512	13	56,60,73	1.32	8 (14%)	65,97,113	1.35	6 (9%)
17	BCR	a2	524	-	41,41,41	0.69	0	56,56,56	2.03	14 (25%)
14	CLA	Y	506	13	49,53,73	1.40	8 (16%)	58,89,113	1.42	5 (8%)
14	CLA	d	519	13	49,53,73	1.40	7 (14%)	58,89,113	1.40	4 (6%)
14	CLA	k	503	13	49,53,73	1.40	6 (12%)	58,89,113	1.43	4 (6%)
14	CLA	a1	506	13	49,53,73	1.40	7 (14%)	58,89,113	1.39	4 (6%)
14	CLA	U	512	13	49,53,73	1.42	8 (16%)	58,89,113	1.41	5 (8%)
14	CLA	Y	505	13	69,73,73	1.18	7 (10%)	82,113,113	1.24	6 (7%)
14	CLA	a5	513	13	59,63,73	1.27	7 (11%)	70,101,113	1.31	5 (7%)
14	CLA	b2	519	13	54,58,73	1.33	7 (12%)	64,95,113	1.38	5 (7%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	b4	517	-	49,53,73	1.40	7 (14%)	58,89,113	1.39	4 (6%)
14	CLA	aB	1214	2	69,73,73	1.18	8 (11%)	82,113,113	1.26	6 (7%)
14	CLA	cA	1011	1	69,73,73	1.18	7 (10%)	82,113,113	1.24	7 (8%)
17	BCR	b3	523	-	41,41,41	0.69	0	56,56,56	1.98	12 (21%)
14	CLA	cA	1137	1	59,63,73	1.29	7 (11%)	70,101,113	1.32	5 (7%)
14	CLA	a4	506	13	49,53,73	1.40	7 (14%)	58,89,113	1.41	6 (10%)
14	CLA	cA	1124	-	60,64,73	1.26	7 (11%)	71,102,113	1.35	7 (9%)
14	CLA	bA	1137	1	59,63,73	1.29	8 (13%)	70,101,113	1.32	5 (7%)
14	CLA	b2	507	-	67,71,73	1.20	7 (10%)	79,110,113	1.26	5 (6%)
14	CLA	p	511	13	49,53,73	1.41	6 (12%)	58,89,113	1.43	4 (6%)
18	LHG	aX	4021	-	38,38,48	0.70	0	41,44,54	1.38	6 (14%)
14	CLA	a3	511	13	66,70,73	1.21	7 (10%)	78,109,113	1.28	5 (6%)
14	CLA	q	508	13	49,53,73	1.40	8 (16%)	58,89,113	1.42	5 (8%)
14	CLA	a5	517	-	49,53,73	1.41	8 (16%)	58,89,113	1.41	4 (6%)
14	CLA	c	504	-	49,53,73	1.40	7 (14%)	58,89,113	1.43	4 (6%)
14	CLA	j	503	13	49,53,73	1.40	6 (12%)	58,89,113	1.43	4 (6%)
14	CLA	f	518	13	49,53,73	1.40	8 (16%)	58,89,113	1.42	4 (6%)
14	CLA	c1	512	13	57,61,73	1.30	8 (14%)	67,98,113	1.34	6 (8%)
14	CLA	aB	1220	2	54,58,73	1.33	7 (12%)	64,95,113	1.39	6 (9%)
14	CLA	bA	1127	1	69,73,73	1.18	7 (10%)	82,113,113	1.22	6 (7%)
17	BCR	h	524	-	41,41,41	0.71	0	56,56,56	2.06	16 (28%)
14	CLA	bA	1113	1	54,58,73	1.33	7 (12%)	64,95,113	1.41	8 (12%)
14	CLA	f	506	13	49,53,73	1.40	8 (16%)	58,89,113	1.41	4 (6%)
14	CLA	aK	1401	-	59,63,73	1.29	8 (13%)	70,101,113	1.33	5 (7%)
14	CLA	bB	1228	2	60,64,73	1.27	7 (11%)	71,102,113	1.32	6 (8%)
14	CLA	c6	502	13	64,68,73	1.23	7 (10%)	76,107,113	1.31	6 (7%)
14	CLA	o	508	13	49,53,73	1.40	7 (14%)	58,89,113	1.40	4 (6%)
20	SQD	h	822	-	30,32,54	1.24	3 (10%)	40,43,65	1.66	9 (22%)
14	CLA	aA	1120	1	59,63,73	1.28	7 (11%)	70,101,113	1.33	6 (8%)
14	CLA	cL	1502	10	64,68,73	1.22	8 (12%)	76,107,113	1.30	6 (7%)
20	SQD	b3	822	-	35,37,54	1.15	3 (8%)	45,48,65	1.64	12 (26%)
14	CLA	aA	1801	18	49,53,73	1.39	8 (16%)	58,89,113	1.39	4 (6%)
14	CLA	k	509	13	49,53,73	1.40	8 (16%)	58,89,113	1.43	4 (6%)
14	CLA	i	505	13	59,63,73	1.27	7 (11%)	70,101,113	1.32	7 (10%)
17	BCR	a6	521	-	41,41,41	0.66	0	56,56,56	2.09	14 (25%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	cA	1117	1	69,73,73	1.18	8 (11%)	82,113,113	1.25	6 (7%)
14	CLA	c1	505	13	69,73,73	1.18	7 (10%)	82,113,113	1.26	5 (6%)
14	CLA	b	516	13	49,53,73	1.40	7 (14%)	58,89,113	1.40	4 (6%)
14	CLA	bB	1218	2	64,68,73	1.23	7 (10%)	76,107,113	1.31	5 (6%)
14	CLA	a2	504	-	51,55,73	1.36	8 (15%)	60,91,113	1.43	6 (10%)
14	CLA	d	501	13	49,53,73	1.40	6 (12%)	58,89,113	1.41	4 (6%)
14	CLA	b3	516	13	49,53,73	1.40	7 (14%)	58,89,113	1.45	5 (8%)
17	BCR	S	522	-	41,41,41	0.67	0	56,56,56	2.09	16 (28%)
14	CLA	e	502	13	49,53,73	1.40	8 (16%)	58,89,113	1.43	4 (6%)
14	CLA	aA	1118	1	64,68,73	1.23	8 (12%)	76,107,113	1.29	5 (6%)
19	LMU	bA	1849	-	23,23,36	1.12	1 (4%)	28,28,47	0.82	0
14	CLA	bB	1021	2	69,73,73	1.18	7 (10%)	82,113,113	1.19	6 (7%)
17	BCR	q	521	-	41,41,41	0.65	0	56,56,56	2.03	15 (26%)
14	CLA	bB	1235	2	69,73,73	1.18	8 (11%)	82,113,113	1.25	6 (7%)
14	CLA	b3	504	-	61,65,73	1.27	8 (13%)	72,103,113	1.33	6 (8%)
14	CLA	cK	1103	9	45,49,73	1.45	9 (20%)	54,83,113	1.37	3 (5%)
14	CLA	a1	512	13	57,61,73	1.30	6 (10%)	67,98,113	1.34	6 (8%)
14	CLA	X	503	13	67,71,73	1.20	7 (10%)	79,110,113	1.29	5 (6%)
17	BCR	aF	4015	-	41,41,41	0.67	0	56,56,56	2.05	14 (25%)
14	CLA	U	506	13	49,53,73	1.39	8 (16%)	58,89,113	1.41	4 (6%)
14	CLA	S	501	13	49,53,73	1.41	9 (18%)	58,89,113	1.37	4 (6%)
14	CLA	k	508	13	49,53,73	1.39	8 (16%)	58,89,113	1.41	4 (6%)
17	BCR	bJ	4012	-	41,41,41	0.66	0	56,56,56	2.03	17 (30%)
17	BCR	cI	4018	-	41,41,41	0.73	1 (2%)	56,56,56	2.14	15 (26%)
14	CLA	aA	1103	1	69,73,73	1.18	7 (10%)	82,113,113	1.28	5 (6%)
14	CLA	g	513	13	49,53,73	1.40	7 (14%)	58,89,113	1.41	5 (8%)
14	CLA	p	501	13	49,53,73	1.40	6 (12%)	58,89,113	1.43	4 (6%)
14	CLA	a	501	13	64,68,73	1.23	8 (12%)	76,107,113	1.29	5 (6%)
17	BCR	bI	4019	-	41,41,41	0.69	0	56,56,56	2.02	14 (25%)
14	CLA	b6	508	13	55,59,73	1.32	8 (14%)	64,96,113	1.37	5 (7%)
14	CLA	a3	519	13	59,63,73	1.28	7 (11%)	70,101,113	1.32	6 (8%)
14	CLA	W	508	13	55,59,73	1.32	9 (16%)	64,96,113	1.35	5 (7%)
14	CLA	a6	517	-	49,53,73	1.40	8 (16%)	58,89,113	1.41	4 (6%)
14	CLA	cA	1101	1	64,68,73	1.23	7 (10%)	76,107,113	1.29	5 (6%)
19	LMU	cA	1848	-	24,24,36	1.10	1 (4%)	29,29,47	0.81	0

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	c5	503	13	69,73,73	1.19	8 (11%)	82,113,113	1.25	5 (6%)
14	CLA	b6	501	13	69,73,73	1.19	8 (11%)	82,113,113	1.28	6 (7%)
17	BCR	p	524	-	41,41,41	0.70	0	56,56,56	2.11	15 (26%)
14	CLA	aB	1228	2	60,64,73	1.27	8 (13%)	71,102,113	1.30	6 (8%)
17	BCR	V	522	-	41,41,41	0.68	0	56,56,56	2.14	16 (28%)
14	CLA	h	505	13	49,53,73	1.40	7 (14%)	58,89,113	1.37	4 (6%)
14	CLA	bA	1114	-	49,53,73	1.40	7 (14%)	58,89,113	1.41	4 (6%)
14	CLA	aK	1103	9	45,49,73	1.45	9 (20%)	54,83,113	1.37	3 (5%)
14	CLA	a	507	-	49,53,73	1.40	7 (14%)	58,89,113	1.39	4 (6%)
14	CLA	a1	505	13	69,73,73	1.18	7 (10%)	82,113,113	1.27	6 (7%)
14	CLA	a5	501	13	69,73,73	1.19	8 (11%)	82,113,113	1.27	6 (7%)
17	BCR	d	523	-	41,41,41	0.69	0	56,56,56	1.94	15 (26%)
14	CLA	V	508	13	56,60,73	1.31	8 (14%)	65,97,113	1.34	6 (9%)
14	CLA	cJ	1302	8	53,57,73	1.32	7 (13%)	61,93,113	1.42	6 (9%)
17	BCR	c6	523	-	41,41,41	0.72	1 (2%)	56,56,56	2.04	14 (25%)
14	CLA	a5	505	13	69,73,73	1.17	7 (10%)	82,113,113	1.24	6 (7%)
14	CLA	cB	1212	2	49,53,73	1.39	7 (14%)	58,89,113	1.43	4 (6%)
17	BCR	l	523	-	41,41,41	0.68	0	56,56,56	1.98	14 (25%)
14	CLA	bB	1225	2	69,73,73	1.18	7 (10%)	82,113,113	1.23	6 (7%)
14	CLA	W	519	13	49,53,73	1.40	8 (16%)	58,89,113	1.40	4 (6%)
17	BCR	W	523	-	41,41,41	0.69	0	56,56,56	2.01	13 (23%)
14	CLA	b	503	13	61,65,73	1.26	6 (9%)	72,103,113	1.31	5 (6%)
14	CLA	V	513	13	54,58,73	1.34	7 (12%)	64,95,113	1.34	5 (7%)
14	CLA	b5	501	13	69,73,73	1.19	8 (11%)	82,113,113	1.27	6 (7%)
14	CLA	c4	509	13	69,73,73	1.18	8 (11%)	82,113,113	1.28	5 (6%)
20	SQD	c6	822	-	28,30,54	1.28	3 (10%)	38,41,65	1.71	9 (23%)
14	CLA	b4	512	13	49,53,73	1.40	8 (16%)	58,89,113	1.40	4 (6%)
14	CLA	Y	509	13	66,70,73	1.21	7 (10%)	78,109,113	1.29	8 (10%)
14	CLA	p	517	-	49,53,73	1.40	7 (14%)	58,89,113	1.41	4 (6%)
14	CLA	a4	517	-	49,53,73	1.40	6 (12%)	58,89,113	1.39	4 (6%)
14	CLA	a3	502	13	64,68,73	1.23	8 (12%)	76,107,113	1.31	5 (6%)
14	CLA	aA	1127	1	69,73,73	1.18	8 (11%)	82,113,113	1.22	6 (7%)
14	CLA	Y	518	13	60,64,73	1.27	8 (13%)	71,102,113	1.31	6 (8%)
17	BCR	V	523	-	41,41,41	0.67	0	56,56,56	1.91	13 (23%)
14	CLA	a6	507	-	66,70,73	1.20	7 (10%)	78,109,113	1.28	5 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	cB	1227	2	58,62,73	1.29	8 (13%)	68,99,113	1.33	6 (8%)
17	BCR	bK	4001	-	41,41,41	0.67	0	56,56,56	1.93	15 (26%)
17	BCR	e	523	-	41,41,41	0.69	0	56,56,56	2.00	15 (26%)
14	CLA	a4	503	13	69,73,73	1.18	8 (11%)	82,113,113	1.26	5 (6%)
14	CLA	e	503	13	49,53,73	1.41	7 (14%)	58,89,113	1.42	4 (6%)
14	CLA	a2	512	13	57,61,73	1.30	7 (12%)	67,98,113	1.33	5 (7%)
14	CLA	b2	518	13	59,63,73	1.28	7 (11%)	70,101,113	1.33	6 (8%)
14	CLA	aB	1218	2	64,68,73	1.23	7 (10%)	76,107,113	1.30	4 (5%)
14	CLA	aB	1210	2	69,73,73	1.18	8 (11%)	82,113,113	1.26	5 (6%)
14	CLA	bB	1230	2	62,66,73	1.25	8 (12%)	73,104,113	1.35	6 (8%)
14	CLA	bL	1501	10	69,73,73	1.17	7 (10%)	82,113,113	1.28	7 (8%)
14	CLA	b2	501	13	69,73,73	1.17	7 (10%)	82,113,113	1.27	6 (7%)
17	BCR	aA	4007	-	41,41,41	0.69	0	56,56,56	2.02	17 (30%)
14	CLA	cB	1204	2	64,68,73	1.22	8 (12%)	76,107,113	1.27	6 (7%)
14	CLA	V	512	13	49,53,73	1.40	8 (16%)	58,89,113	1.41	4 (6%)
20	SQD	e	822	-	30,32,54	1.24	3 (10%)	40,43,65	1.67	9 (22%)
14	CLA	cA	1134	1	55,59,73	1.32	7 (12%)	64,96,113	1.37	6 (9%)
14	CLA	o	509	13	49,53,73	1.40	7 (14%)	58,89,113	1.43	5 (8%)
19	LMU	cA	1849	-	23,23,36	1.12	1 (4%)	28,28,47	0.79	0
14	CLA	o	511	13	49,53,73	1.40	7 (14%)	58,89,113	1.42	4 (6%)
14	CLA	T	513	13	54,58,73	1.33	7 (12%)	64,95,113	1.36	6 (9%)
17	BCR	S	523	-	41,41,41	0.68	0	56,56,56	2.00	14 (25%)
14	CLA	c3	509	13	69,73,73	1.18	8 (11%)	82,113,113	1.27	6 (7%)
14	CLA	c2	504	-	49,53,73	1.40	8 (16%)	58,89,113	1.43	4 (6%)
14	CLA	a6	511	13	49,53,73	1.41	7 (14%)	58,89,113	1.42	4 (6%)
14	CLA	c5	502	13	64,68,73	1.23	8 (12%)	76,107,113	1.29	6 (7%)
14	CLA	cK	1401	-	59,63,73	1.29	8 (13%)	70,101,113	1.32	5 (7%)
14	CLA	m	516	13	49,53,73	1.40	8 (16%)	58,89,113	1.38	5 (8%)
14	CLA	cA	1129	1	56,60,73	1.31	8 (14%)	65,97,113	1.34	4 (6%)
17	BCR	n	522	-	41,41,41	0.69	0	56,56,56	2.20	15 (26%)
14	CLA	f	509	13	49,53,73	1.40	8 (16%)	58,89,113	1.44	5 (8%)
14	CLA	b4	509	13	69,73,73	1.18	8 (11%)	82,113,113	1.28	6 (7%)
14	CLA	a6	502	13	64,68,73	1.23	8 (12%)	76,107,113	1.30	6 (7%)
14	CLA	cA	1140	1	69,73,73	1.18	7 (10%)	82,113,113	1.22	5 (6%)
14	CLA	n	508	13	49,53,73	1.40	7 (14%)	58,89,113	1.41	5 (8%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	b6	509	13	69,73,73	1.19	7 (10%)	82,113,113	1.27	6 (7%)
17	BCR	a1	522	-	41,41,41	0.68	0	56,56,56	2.06	16 (28%)
14	CLA	W	509	13	66,70,73	1.20	7 (10%)	78,109,113	1.29	5 (6%)
14	CLA	m	510	13	49,53,73	1.39	7 (14%)	58,89,113	1.41	6 (10%)
14	CLA	j	508	13	49,53,73	1.39	8 (16%)	58,89,113	1.43	5 (8%)
14	CLA	bB	1229	2	69,73,73	1.19	7 (10%)	82,113,113	1.23	6 (7%)
14	CLA	b	501	13	49,53,73	1.40	8 (16%)	58,89,113	1.41	4 (6%)
14	CLA	g	505	13	69,73,73	1.17	7 (10%)	82,113,113	1.23	6 (7%)
20	SQD	c1	822	-	29,31,54	1.27	3 (10%)	39,42,65	1.65	9 (23%)
14	CLA	T	501	13	54,58,73	1.33	9 (16%)	64,95,113	1.40	6 (9%)
17	BCR	cI	4019	-	41,41,41	0.69	0	56,56,56	2.03	13 (23%)
14	CLA	b3	501	13	69,73,73	1.18	6 (8%)	82,113,113	1.26	6 (7%)
14	CLA	d	506	13	49,53,73	1.41	8 (16%)	58,89,113	1.41	4 (6%)
14	CLA	aB	1205	2	69,73,73	1.17	9 (13%)	82,113,113	1.29	7 (8%)
17	BCR	a3	523	-	41,41,41	0.70	0	56,56,56	2.00	12 (21%)
14	CLA	c4	513	13	49,53,73	1.40	6 (12%)	58,89,113	1.41	4 (6%)
17	BCR	a5	521	-	41,41,41	0.66	0	56,56,56	2.09	14 (25%)
14	CLA	cA	1114	-	49,53,73	1.41	8 (16%)	58,89,113	1.41	4 (6%)
14	CLA	c6	506	13	49,53,73	1.40	8 (16%)	58,89,113	1.42	5 (8%)
14	CLA	bX	1401	12	49,53,73	1.40	7 (14%)	58,89,113	1.41	4 (6%)
14	CLA	c3	517	-	49,53,73	1.40	8 (16%)	58,89,113	1.44	4 (6%)
14	CLA	e	509	13	49,53,73	1.40	8 (16%)	58,89,113	1.41	4 (6%)
14	CLA	cB	1220	2	51,55,73	1.36	7 (13%)	60,91,113	1.38	5 (8%)
14	CLA	aB	1224	2	61,65,73	1.25	9 (14%)	72,103,113	1.27	6 (8%)
17	BCR	n	523	-	41,41,41	0.69	0	56,56,56	1.97	14 (25%)
14	CLA	S	504	-	49,53,73	1.41	8 (16%)	58,89,113	1.42	4 (6%)
14	CLA	b	507	-	49,53,73	1.40	7 (14%)	58,89,113	1.40	4 (6%)
14	CLA	a4	501	13	69,73,73	1.19	8 (11%)	82,113,113	1.26	6 (7%)
14	CLA	f	507	-	49,53,73	1.40	7 (14%)	58,89,113	1.42	4 (6%)
14	CLA	p	504	-	49,53,73	1.41	8 (16%)	58,89,113	1.42	4 (6%)
14	CLA	cA	1112	1	52,56,73	1.36	7 (13%)	61,92,113	1.39	5 (8%)
14	CLA	b3	507	-	64,68,73	1.22	7 (10%)	76,107,113	1.28	6 (7%)
17	BCR	X	524	-	41,41,41	0.69	0	56,56,56	2.03	15 (26%)
14	CLA	l	503	13	49,53,73	1.40	8 (16%)	58,89,113	1.43	4 (6%)
14	CLA	m	513	13	56,60,73	1.32	7 (12%)	65,97,113	1.34	6 (9%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	aA	1104	1	69,73,73	1.18	6 (8%)	82,113,113	1.26	7 (8%)
14	CLA	m	506	13	49,53,73	1.41	8 (16%)	58,89,113	1.41	4 (6%)
14	CLA	n	512	13	49,53,73	1.40	8 (16%)	58,89,113	1.43	4 (6%)
17	BCR	U	524	-	41,41,41	0.70	0	56,56,56	2.09	17 (30%)
14	CLA	cA	1111	1	59,63,73	1.28	7 (11%)	70,101,113	1.34	6 (8%)
14	CLA	V	506	13	49,53,73	1.40	8 (16%)	58,89,113	1.40	4 (6%)
14	CLA	cB	1023	-	69,73,73	1.16	8 (11%)	82,113,113	1.29	7 (8%)
14	CLA	b6	504	-	59,63,73	1.29	6 (10%)	70,101,113	1.37	5 (7%)
14	CLA	b2	505	13	69,73,73	1.18	7 (10%)	82,113,113	1.26	6 (7%)
14	CLA	bB	1202	2	69,73,73	1.18	7 (10%)	82,113,113	1.25	5 (6%)
14	CLA	l	509	13	49,53,73	1.40	6 (12%)	58,89,113	1.42	4 (6%)
14	CLA	b2	503	13	69,73,73	1.18	7 (10%)	82,113,113	1.26	6 (7%)
14	CLA	h	517	-	49,53,73	1.40	7 (14%)	58,89,113	1.40	4 (6%)
20	SQD	Z	822	-	27,29,54	1.27	3 (11%)	37,40,65	1.82	11 (29%)
19	LMU	cJ	5105	-	21,21,36	1.14	1 (4%)	26,26,47	0.81	0
17	BCR	a	523	-	41,41,41	0.68	0	56,56,56	1.91	16 (28%)
17	BCR	c5	524	-	41,41,41	0.69	0	56,56,56	2.08	15 (26%)
14	CLA	bA	1131	1	69,73,73	1.19	8 (11%)	82,113,113	1.24	6 (7%)
14	CLA	a	503	13	67,71,73	1.20	6 (8%)	79,110,113	1.28	5 (6%)
17	BCR	d	521	-	41,41,41	0.64	0	56,56,56	2.06	15 (26%)
14	CLA	b3	517	-	49,53,73	1.40	8 (16%)	58,89,113	1.46	5 (8%)
20	SQD	n	822	-	29,31,54	1.18	2 (6%)	39,42,65	1.62	8 (20%)
17	BCR	bB	4017	-	41,41,41	0.68	0	56,56,56	2.07	15 (26%)
14	CLA	a1	518	13	59,63,73	1.27	6 (10%)	70,101,113	1.34	6 (8%)
17	BCR	b2	521	-	41,41,41	0.65	0	56,56,56	2.07	14 (25%)
14	CLA	Z	516	13	49,53,73	1.40	7 (14%)	58,89,113	1.38	4 (6%)
14	CLA	l	507	-	49,53,73	1.40	7 (14%)	58,89,113	1.42	4 (6%)
14	CLA	q	504	-	49,53,73	1.41	6 (12%)	58,89,113	1.42	4 (6%)
14	CLA	bA	1237	-	69,73,73	1.18	8 (11%)	82,113,113	1.27	6 (7%)
14	CLA	f	504	-	49,53,73	1.40	7 (14%)	58,89,113	1.41	4 (6%)
14	CLA	j	512	13	49,53,73	1.41	7 (14%)	58,89,113	1.41	4 (6%)
14	CLA	cA	1109	1	69,73,73	1.18	6 (8%)	82,113,113	1.22	5 (6%)
14	CLA	a6	504	-	66,70,73	1.21	8 (12%)	78,109,113	1.29	4 (5%)
14	CLA	bB	1209	2	57,61,73	1.31	8 (14%)	67,98,113	1.41	7 (10%)
14	CLA	aX	1401	12	49,53,73	1.40	5 (10%)	58,89,113	1.40	4 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
16	SF4	aA	3001	2,1	0,12,12	-	-	-		
14	CLA	V	503	13	49,53,73	1.40	6 (12%)	58,89,113	1.42	4 (6%)
17	BCR	a2	522	-	41,41,41	0.68	0	56,56,56	2.06	18 (32%)
17	BCR	cB	4009	-	41,41,41	0.71	0	56,56,56	2.08	16 (28%)
14	CLA	b	502	13	49,53,73	1.41	7 (14%)	58,89,113	1.44	4 (6%)
14	CLA	a5	518	13	61,65,73	1.25	8 (13%)	72,103,113	1.32	6 (8%)
14	CLA	a2	508	13	59,63,73	1.27	9 (15%)	70,101,113	1.33	6 (8%)
14	CLA	c1	513	13	56,60,73	1.31	6 (10%)	65,97,113	1.34	6 (9%)
14	CLA	b3	502	13	64,68,73	1.23	8 (12%)	76,107,113	1.28	5 (6%)
14	CLA	bA	1138	1	69,73,73	1.18	7 (10%)	82,113,113	1.24	6 (7%)
14	CLA	T	505	13	56,60,73	1.31	6 (10%)	65,97,113	1.35	6 (9%)
14	CLA	a4	504	-	57,61,73	1.32	7 (12%)	67,98,113	1.39	5 (7%)
14	CLA	Z	517	-	49,53,73	1.41	8 (16%)	58,89,113	1.41	4 (6%)
14	CLA	aA	1022	-	69,73,73	1.18	8 (11%)	82,113,113	1.18	4 (4%)
19	LMU	aJ	5105	-	22,22,36	1.12	1 (4%)	27,27,47	0.82	0
14	CLA	cA	1130	1	56,60,73	1.31	7 (12%)	65,97,113	1.38	8 (12%)
17	BCR	Y	523	-	41,41,41	0.69	0	56,56,56	1.90	15 (26%)
14	CLA	b5	518	13	59,63,73	1.28	8 (13%)	70,101,113	1.32	6 (8%)
14	CLA	q	517	-	49,53,73	1.40	6 (12%)	58,89,113	1.40	4 (6%)
14	CLA	h	511	13	49,53,73	1.40	7 (14%)	58,89,113	1.42	4 (6%)
17	BCR	aB	4010	-	41,41,41	0.69	0	56,56,56	2.09	16 (28%)
14	CLA	aA	1117	1	69,73,73	1.18	8 (11%)	82,113,113	1.25	6 (7%)
14	CLA	a1	510	13	69,73,73	1.18	7 (10%)	82,113,113	1.25	6 (7%)
14	CLA	X	509	13	69,73,73	1.18	8 (11%)	82,113,113	1.28	6 (7%)
14	CLA	m	511	13	49,53,73	1.41	7 (14%)	58,89,113	1.44	4 (6%)
14	CLA	c	507	-	49,53,73	1.40	6 (12%)	58,89,113	1.40	4 (6%)
14	CLA	l	501	13	49,53,73	1.40	8 (16%)	58,89,113	1.41	4 (6%)
14	CLA	a3	506	13	49,53,73	1.40	8 (16%)	58,89,113	1.39	4 (6%)
14	CLA	aB	1202	2	69,73,73	1.18	8 (11%)	82,113,113	1.25	6 (7%)
14	CLA	aB	1215	2	65,69,73	1.21	7 (10%)	77,108,113	1.28	6 (7%)
14	CLA	q	505	13	59,63,73	1.27	7 (11%)	70,101,113	1.31	6 (8%)
17	BCR	Y	524	-	41,41,41	0.70	0	56,56,56	2.03	16 (28%)
16	SF4	cC	3002	3	0,12,12	-	-	-		
20	SQD	Y	822	-	31,33,54	1.22	3 (9%)	41,44,65	1.77	11 (26%)
14	CLA	e	518	13	49,53,73	1.40	8 (16%)	58,89,113	1.41	4 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	b4	516	13	49,53,73	1.39	6 (12%)	58,89,113	1.43	4 (6%)
14	CLA	a4	507	-	66,70,73	1.21	7 (10%)	78,109,113	1.28	5 (6%)
17	BCR	a4	521	-	41,41,41	0.65	0	56,56,56	2.12	16 (28%)
14	CLA	b1	511	13	59,63,73	1.28	7 (11%)	70,101,113	1.36	6 (8%)
14	CLA	c5	509	13	69,73,73	1.18	7 (10%)	82,113,113	1.27	6 (7%)
17	BCR	aI	4020	-	41,41,41	0.69	0	56,56,56	1.99	13 (23%)
14	CLA	X	506	13	49,53,73	1.40	7 (14%)	58,89,113	1.41	5 (8%)
14	CLA	c4	505	13	69,73,73	1.18	7 (10%)	82,113,113	1.24	6 (7%)
14	CLA	b6	516	13	49,53,73	1.40	7 (14%)	58,89,113	1.40	4 (6%)
17	BCR	a3	521	-	41,41,41	0.64	0	56,56,56	2.01	14 (25%)
14	CLA	cA	1122	1	64,68,73	1.23	6 (9%)	76,107,113	1.30	6 (7%)
14	CLA	W	504	-	56,60,73	1.32	6 (10%)	65,97,113	1.35	5 (7%)
14	CLA	X	505	13	69,73,73	1.17	7 (10%)	82,113,113	1.26	6 (7%)
14	CLA	d	507	-	49,53,73	1.39	7 (14%)	58,89,113	1.41	4 (6%)
14	CLA	c6	517	-	49,53,73	1.41	7 (14%)	58,89,113	1.40	4 (6%)
14	CLA	aA	1136	1	69,73,73	1.18	7 (10%)	82,113,113	1.25	6 (7%)
14	CLA	n	506	13	49,53,73	1.40	7 (14%)	58,89,113	1.41	5 (8%)
17	BCR	bM	4021	-	41,41,41	0.67	0	56,56,56	2.27	15 (26%)
14	CLA	f	510	13	49,53,73	1.39	6 (12%)	58,89,113	1.41	5 (8%)
20	SQD	cB	1852	-	37,39,54	1.13	3 (8%)	47,50,65	1.60	10 (21%)
17	BCR	cB	4017	-	41,41,41	0.68	0	56,56,56	2.11	15 (26%)
14	CLA	bB	1208	2	59,63,73	1.28	7 (11%)	70,101,113	1.29	6 (8%)
14	CLA	b5	509	13	69,73,73	1.18	6 (8%)	82,113,113	1.27	6 (7%)
14	CLA	aA	1137	1	59,63,73	1.29	6 (10%)	70,101,113	1.33	5 (7%)
14	CLA	k	517	-	49,53,73	1.43	7 (14%)	58,89,113	1.39	6 (10%)
14	CLA	p	519	13	49,53,73	1.40	8 (16%)	58,89,113	1.41	4 (6%)
14	CLA	bB	1234	2	64,68,73	1.23	9 (14%)	76,107,113	1.30	6 (7%)
14	CLA	j	511	13	49,53,73	1.40	6 (12%)	58,89,113	1.41	4 (6%)
14	CLA	c6	509	13	69,73,73	1.19	8 (11%)	82,113,113	1.27	5 (6%)
14	CLA	m	505	13	55,59,73	1.32	7 (12%)	64,96,113	1.36	7 (10%)
14	CLA	b5	512	13	56,60,73	1.31	8 (14%)	65,97,113	1.34	6 (9%)
14	CLA	V	516	13	49,53,73	1.42	5 (10%)	58,89,113	1.34	4 (6%)
14	CLA	c6	511	13	49,53,73	1.41	7 (14%)	58,89,113	1.43	4 (6%)
14	CLA	aF	1301	-	49,53,73	1.41	8 (16%)	58,89,113	1.40	4 (6%)
14	CLA	a1	503	13	67,71,73	1.20	6 (8%)	79,110,113	1.26	5 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	W	518	13	59,63,73	1.27	7 (11%)	70,101,113	1.33	6 (8%)
14	CLA	g	508	13	49,53,73	1.39	7 (14%)	58,89,113	1.42	4 (6%)
14	CLA	b6	519	13	49,53,73	1.41	5 (10%)	58,89,113	1.38	4 (6%)
17	BCR	S	524	-	41,41,41	0.69	0	56,56,56	2.10	18 (32%)
14	CLA	aA	1132	1	69,73,73	1.17	8 (11%)	82,113,113	1.28	6 (7%)
14	CLA	X	510	13	66,70,73	1.21	7 (10%)	78,109,113	1.28	6 (7%)
17	BCR	W	521	-	41,41,41	0.65	0	56,56,56	2.09	14 (25%)
14	CLA	cA	1120	1	59,63,73	1.29	5 (8%)	70,101,113	1.36	5 (7%)
14	CLA	V	507	-	49,53,73	1.40	6 (12%)	58,89,113	1.40	4 (6%)
17	BCR	a1	521	-	41,41,41	0.66	0	56,56,56	2.11	16 (28%)
14	CLA	aA	1113	1	54,58,73	1.33	7 (12%)	64,95,113	1.38	6 (9%)
14	CLA	bA	1106	1	69,73,73	1.17	8 (11%)	82,113,113	1.27	6 (7%)
14	CLA	aB	1235	2	69,73,73	1.18	7 (10%)	82,113,113	1.24	6 (7%)
14	CLA	aB	1231	2	59,63,73	1.29	8 (13%)	70,101,113	1.32	6 (8%)
17	BCR	a	522	-	41,41,41	0.68	0	56,56,56	2.16	15 (26%)
14	CLA	aL	1502	10	64,68,73	1.21	8 (12%)	76,107,113	1.29	6 (7%)
14	CLA	bA	1139	-	64,68,73	1.23	8 (12%)	76,107,113	1.25	6 (7%)
17	BCR	f	521	-	41,41,41	0.67	0	56,56,56	2.19	16 (28%)
14	CLA	c5	504	-	61,65,73	1.26	7 (11%)	72,103,113	1.33	4 (5%)
17	BCR	c4	524	-	41,41,41	0.70	0	56,56,56	2.01	15 (26%)
17	BCR	i	521	-	41,41,41	0.67	0	56,56,56	2.15	16 (28%)
17	BCR	aB	4017	-	41,41,41	0.68	0	56,56,56	2.07	15 (26%)
14	CLA	S	516	13	49,53,73	1.41	5 (10%)	58,89,113	1.43	4 (6%)
20	SQD	b4	822	-	31,33,54	1.22	3 (9%)	41,44,65	1.67	11 (26%)
17	BCR	b6	522	-	41,41,41	0.68	0	56,56,56	2.10	16 (28%)
14	CLA	cA	1128	1	69,73,73	1.19	8 (11%)	82,113,113	1.28	6 (7%)
14	CLA	e	511	13	49,53,73	1.41	8 (16%)	58,89,113	1.42	4 (6%)
14	CLA	p	508	13	49,53,73	1.40	8 (16%)	58,89,113	1.42	5 (8%)
14	CLA	bA	1140	1	69,73,73	1.19	8 (11%)	82,113,113	1.22	5 (6%)
14	CLA	X	512	13	49,53,73	1.40	8 (16%)	58,89,113	1.42	4 (6%)
14	CLA	d	502	13	49,53,73	1.40	8 (16%)	58,89,113	1.43	4 (6%)
14	CLA	c3	504	-	60,64,73	1.27	6 (10%)	71,102,113	1.35	5 (7%)
14	CLA	aB	1217	2	59,63,73	1.28	7 (11%)	70,101,113	1.34	5 (7%)
21	LMG	a6	5104	-	38,38,55	0.87	1 (2%)	46,46,63	1.22	3 (6%)
20	SQD	b6	822	-	28,30,54	1.28	3 (10%)	38,41,65	1.69	9 (23%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	k	507	-	49,53,73	1.40	8 (16%)	58,89,113	1.43	4 (6%)
14	CLA	f	516	13	49,53,73	1.40	7 (14%)	58,89,113	1.55	7 (12%)
14	CLA	U	510	13	59,63,73	1.29	7 (11%)	70,101,113	1.32	5 (7%)
14	CLA	cB	1208	2	56,60,73	1.31	7 (12%)	65,97,113	1.35	6 (9%)
14	CLA	cB	1236	2	54,58,73	1.32	7 (12%)	64,95,113	1.35	6 (9%)
14	CLA	i	507	-	49,53,73	1.40	7 (14%)	58,89,113	1.42	4 (6%)
17	BCR	bA	4002	-	41,41,41	0.67	0	56,56,56	2.07	15 (26%)
17	BCR	m	524	-	41,41,41	0.70	0	56,56,56	2.19	18 (32%)
14	CLA	k	519	13	49,53,73	1.40	6 (12%)	58,89,113	1.44	6 (10%)
14	CLA	q	519	13	49,53,73	1.40	6 (12%)	58,89,113	1.39	4 (6%)
14	CLA	g	510	13	49,53,73	1.40	6 (12%)	58,89,113	1.41	4 (6%)
14	CLA	i	519	13	49,53,73	1.40	7 (14%)	58,89,113	1.39	4 (6%)
14	CLA	bA	1135	1	55,59,73	1.32	7 (12%)	64,96,113	1.39	7 (10%)
14	CLA	b1	501	13	69,73,73	1.19	8 (11%)	82,113,113	1.26	5 (6%)
14	CLA	j	519	13	49,53,73	1.40	7 (14%)	58,89,113	1.41	4 (6%)
14	CLA	S	517	-	49,53,73	1.40	8 (16%)	58,89,113	1.40	4 (6%)
14	CLA	a6	509	13	69,73,73	1.18	8 (11%)	82,113,113	1.26	6 (7%)
14	CLA	h	502	13	49,53,73	1.40	8 (16%)	58,89,113	1.43	4 (6%)
14	CLA	bB	1221	-	64,68,73	1.22	6 (9%)	76,107,113	1.27	5 (6%)
17	BCR	d	522	-	41,41,41	0.69	0	56,56,56	2.20	15 (26%)
17	BCR	l	521	-	41,41,41	0.64	0	56,56,56	2.16	14 (25%)
17	BCR	c6	522	-	41,41,41	0.67	0	56,56,56	2.02	16 (28%)
14	CLA	V	502	13	64,68,73	1.23	9 (14%)	76,107,113	1.30	5 (6%)
14	CLA	c3	512	13	56,60,73	1.31	7 (12%)	65,97,113	1.35	6 (9%)
14	CLA	Z	512	13	49,53,73	1.39	8 (16%)	58,89,113	1.41	4 (6%)
14	CLA	c1	517	-	49,53,73	1.40	6 (12%)	58,89,113	1.41	4 (6%)
14	CLA	c4	508	13	64,68,73	1.22	9 (14%)	76,107,113	1.28	5 (6%)
14	CLA	cB	1214	2	64,68,73	1.23	8 (12%)	76,107,113	1.30	7 (9%)
14	CLA	Y	508	13	56,60,73	1.30	8 (14%)	65,97,113	1.36	6 (9%)
14	CLA	q	507	-	49,53,73	1.40	7 (14%)	58,89,113	1.39	4 (6%)
14	CLA	aA	1108	1	49,53,73	1.39	8 (16%)	58,89,113	1.39	4 (6%)
14	CLA	e	505	13	66,70,73	1.20	7 (10%)	78,109,113	1.27	6 (7%)
14	CLA	cA	1102	1	69,73,73	1.18	6 (8%)	82,113,113	1.26	6 (7%)
14	CLA	a3	505	13	69,73,73	1.18	7 (10%)	82,113,113	1.27	6 (7%)
17	BCR	h	521	-	41,41,41	0.66	0	56,56,56	2.07	15 (26%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	c6	501	13	69,73,73	1.19	8 (11%)	82,113,113	1.26	6 (7%)
14	CLA	b5	513	13	59,63,73	1.28	7 (11%)	70,101,113	1.34	6 (8%)
17	BCR	aB	4005	-	41,41,41	0.71	0	56,56,56	1.95	13 (23%)
14	CLA	a6	506	13	49,53,73	1.41	8 (16%)	58,89,113	1.42	5 (8%)
14	CLA	a	518	13	59,63,73	1.27	7 (11%)	70,101,113	1.34	8 (11%)
21	LMG	b2	5104	-	40,40,55	0.83	1 (2%)	48,48,63	1.31	5 (10%)
17	BCR	c1	524	-	41,41,41	0.70	0	56,56,56	2.08	19 (33%)
14	CLA	c2	513	13	50,54,73	1.38	5 (10%)	59,90,113	1.38	4 (6%)
17	BCR	c4	523	-	41,41,41	0.73	1 (2%)	56,56,56	2.04	16 (28%)
14	CLA	cA	1132	1	69,73,73	1.18	8 (11%)	82,113,113	1.28	6 (7%)
17	BCR	aF	4014	-	41,41,41	0.69	0	56,56,56	2.23	15 (26%)
14	CLA	T	502	13	64,68,73	1.24	8 (12%)	76,107,113	1.31	5 (6%)
14	CLA	aA	1138	1	69,73,73	1.19	8 (11%)	82,113,113	1.25	6 (7%)
14	CLA	c5	517	-	49,53,73	1.40	7 (14%)	58,89,113	1.42	4 (6%)
14	CLA	l	504	-	49,53,73	1.40	6 (12%)	58,89,113	1.43	4 (6%)
14	CLA	a5	507	-	64,68,73	1.22	7 (10%)	76,107,113	1.28	6 (7%)
14	CLA	b1	517	-	49,53,73	1.40	8 (16%)	58,89,113	1.41	4 (6%)
14	CLA	a3	513	13	54,58,73	1.33	7 (12%)	64,95,113	1.37	6 (9%)
14	CLA	m	504	-	49,53,73	1.41	7 (14%)	58,89,113	1.41	4 (6%)
17	BCR	T	521	-	41,41,41	0.65	0	56,56,56	2.06	14 (25%)
17	BCR	p	523	-	41,41,41	0.68	0	56,56,56	2.00	16 (28%)
17	BCR	a6	522	-	41,41,41	0.68	0	56,56,56	2.01	17 (30%)
14	CLA	S	508	13	55,59,73	1.32	8 (14%)	64,96,113	1.37	6 (9%)
14	CLA	X	511	13	59,63,73	1.28	8 (13%)	70,101,113	1.33	4 (5%)
14	CLA	Z	509	13	69,73,73	1.18	8 (11%)	82,113,113	1.28	5 (6%)
14	CLA	c2	503	13	69,73,73	1.18	7 (10%)	82,113,113	1.26	5 (6%)
14	CLA	c1	508	13	59,63,73	1.27	8 (13%)	70,101,113	1.32	5 (7%)
14	CLA	a4	519	13	56,60,73	1.32	8 (14%)	65,97,113	1.37	6 (9%)
14	CLA	e	506	13	49,53,73	1.40	8 (16%)	58,89,113	1.41	4 (6%)
17	BCR	b	522	-	41,41,41	0.66	0	56,56,56	1.99	17 (30%)
18	LHG	bA	5003	14	40,40,48	0.69	2 (5%)	43,46,54	1.32	6 (13%)
14	CLA	aA	1110	1	57,61,73	1.30	8 (14%)	67,98,113	1.32	5 (7%)
14	CLA	a6	513	13	59,63,73	1.28	7 (11%)	70,101,113	1.32	7 (10%)
14	CLA	c5	511	13	49,53,73	1.40	7 (14%)	58,89,113	1.43	5 (8%)
14	CLA	b3	509	13	69,73,73	1.18	8 (11%)	82,113,113	1.27	6 (7%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	a	512	13	49,53,73	1.40	8 (16%)	58,89,113	1.42	4 (6%)
14	CLA	bA	1133	1	69,73,73	1.18	8 (11%)	82,113,113	1.27	4 (4%)
14	CLA	aA	1101	1	64,68,73	1.23	7 (10%)	76,107,113	1.28	5 (6%)
17	BCR	n	524	-	41,41,41	0.71	0	56,56,56	2.11	16 (28%)
14	CLA	aB	1230	2	62,66,73	1.26	9 (14%)	73,104,113	1.35	7 (9%)
14	CLA	U	511	13	59,63,73	1.28	7 (11%)	70,101,113	1.33	4 (5%)
14	CLA	bA	1013	-	69,73,73	1.17	8 (11%)	82,113,113	1.24	7 (8%)
14	CLA	c3	511	13	66,70,73	1.21	7 (10%)	78,109,113	1.29	6 (7%)
14	CLA	c2	507	-	64,68,73	1.22	7 (10%)	76,107,113	1.30	6 (7%)
14	CLA	l	505	13	49,53,73	1.40	7 (14%)	58,89,113	1.37	4 (6%)
17	BCR	a6	523	-	41,41,41	0.69	0	56,56,56	1.92	14 (25%)
14	CLA	a	506	13	49,53,73	1.40	8 (16%)	58,89,113	1.42	5 (8%)
18	LHG	bA	5002	-	41,41,48	0.70	2 (4%)	44,47,54	1.20	4 (9%)
14	CLA	c	517	-	49,53,73	1.40	9 (18%)	58,89,113	1.41	4 (6%)
14	CLA	bA	1112	1	52,56,73	1.35	9 (17%)	61,92,113	1.41	5 (8%)
14	CLA	g	511	13	49,53,73	1.40	6 (12%)	58,89,113	1.41	4 (6%)
17	BCR	a3	522	-	41,41,41	0.66	0	56,56,56	2.03	17 (30%)
14	CLA	cA	1123	-	69,73,73	1.18	7 (10%)	82,113,113	1.29	7 (8%)
14	CLA	cA	1125	1	64,68,73	1.23	9 (14%)	76,107,113	1.27	6 (7%)
14	CLA	b2	516	13	49,53,73	1.40	8 (16%)	58,89,113	1.39	5 (8%)
14	CLA	bA	1123	-	69,73,73	1.18	7 (10%)	82,113,113	1.28	7 (8%)
14	CLA	a2	516	13	49,53,73	1.39	7 (14%)	58,89,113	1.42	4 (6%)
14	CLA	h	519	13	49,53,73	1.40	6 (12%)	58,89,113	1.41	4 (6%)
17	BCR	i	523	-	41,41,41	0.69	0	56,56,56	2.00	15 (26%)
14	CLA	cA	1115	1	64,68,73	1.22	7 (10%)	76,107,113	1.31	6 (7%)
14	CLA	d	510	13	64,68,73	1.23	7 (10%)	76,107,113	1.28	7 (9%)
17	BCR	c3	524	-	41,41,41	0.68	0	56,56,56	2.02	19 (33%)
20	SQD	c5	822	-	29,31,54	1.26	4 (13%)	39,42,65	1.69	8 (20%)
17	BCR	b	523	-	41,41,41	0.68	0	56,56,56	1.95	13 (23%)
14	CLA	c6	510	13	69,73,73	1.18	7 (10%)	82,113,113	1.26	4 (4%)
14	CLA	cX	1401	12	49,53,73	1.40	7 (14%)	58,89,113	1.41	4 (6%)
14	CLA	b5	503	13	69,73,73	1.19	7 (10%)	82,113,113	1.25	5 (6%)
14	CLA	bA	1126	1	69,73,73	1.18	7 (10%)	82,113,113	1.22	5 (6%)
14	CLA	a	505	13	69,73,73	1.18	7 (10%)	82,113,113	1.24	6 (7%)
14	CLA	U	513	13	49,53,73	1.40	7 (14%)	58,89,113	1.40	5 (8%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	c4	512	13	49,53,73	1.41	7 (14%)	58,89,113	1.40	4 (6%)
17	BCR	a6	524	-	41,41,41	0.70	0	56,56,56	2.07	18 (32%)
14	CLA	b2	510	13	69,73,73	1.18	6 (8%)	82,113,113	1.27	8 (9%)
14	CLA	Y	517	-	49,53,73	1.40	8 (16%)	58,89,113	1.43	4 (6%)
17	BCR	aB	4004	-	41,41,41	0.66	0	56,56,56	2.12	15 (26%)
14	CLA	c	502	13	59,63,73	1.28	8 (13%)	70,101,113	1.35	6 (8%)
14	CLA	a1	508	13	59,63,73	1.27	9 (15%)	70,101,113	1.32	6 (8%)
14	CLA	Z	501	13	69,73,73	1.19	8 (11%)	82,113,113	1.26	6 (7%)
14	CLA	i	501	13	49,53,73	1.40	7 (14%)	58,89,113	1.41	4 (6%)
15	PQN	aB	2002	-	34,34,34	3.03	11 (32%)	43,45,45	1.99	6 (13%)
14	CLA	bA	1121	1	56,60,73	1.31	8 (14%)	65,97,113	1.36	5 (7%)
14	CLA	e	519	13	49,53,73	1.41	6 (12%)	58,89,113	1.39	4 (6%)
17	BCR	W	522	-	41,41,41	0.68	0	56,56,56	2.03	17 (30%)
18	LHG	cX	4021	-	38,38,48	0.71	1 (2%)	41,44,54	1.36	6 (14%)
14	CLA	c	503	13	49,53,73	1.41	7 (14%)	58,89,113	1.42	4 (6%)
14	CLA	b6	511	13	49,53,73	1.40	8 (16%)	58,89,113	1.42	4 (6%)
14	CLA	aA	1105	1	55,59,73	1.32	7 (12%)	64,96,113	1.40	6 (9%)
14	CLA	Y	511	13	49,53,73	1.40	8 (16%)	58,89,113	1.44	4 (6%)
14	CLA	i	518	13	59,63,73	1.28	8 (13%)	70,101,113	1.33	6 (8%)
14	CLA	b5	505	13	69,73,73	1.17	7 (10%)	82,113,113	1.25	7 (8%)
14	CLA	V	510	13	64,68,73	1.23	7 (10%)	76,107,113	1.28	5 (6%)
14	CLA	n	501	13	49,53,73	1.40	7 (14%)	58,89,113	1.39	4 (6%)
14	CLA	W	507	-	55,59,73	1.31	7 (12%)	64,96,113	1.37	6 (9%)
14	CLA	j	501	13	49,53,73	1.42	7 (14%)	58,89,113	1.37	4 (6%)
14	CLA	a1	501	13	69,73,73	1.18	8 (11%)	82,113,113	1.27	6 (7%)
17	BCR	bB	4010	-	41,41,41	0.69	0	56,56,56	2.10	16 (28%)
14	CLA	cB	1218	2	60,64,73	1.28	6 (10%)	71,102,113	1.35	4 (5%)
14	CLA	c1	504	-	59,63,73	1.29	7 (11%)	70,101,113	1.33	5 (7%)
14	CLA	a3	512	13	57,61,73	1.30	7 (12%)	67,98,113	1.32	5 (7%)
14	CLA	aJ	1302	8	53,57,73	1.33	7 (13%)	61,93,113	1.39	6 (9%)
14	CLA	l	519	13	49,53,73	1.39	5 (10%)	58,89,113	1.40	4 (6%)
14	CLA	a2	513	13	49,53,73	1.40	7 (14%)	58,89,113	1.40	4 (6%)
14	CLA	b2	506	13	49,53,73	1.41	7 (14%)	58,89,113	1.43	5 (8%)
14	CLA	d	503	13	54,58,73	1.34	7 (12%)	64,95,113	1.38	6 (9%)
14	CLA	a2	502	13	64,68,73	1.23	8 (12%)	76,107,113	1.28	4 (5%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	bA	1136	1	69,73,73	1.18	7 (10%)	82,113,113	1.25	6 (7%)
17	BCR	aA	4008	-	41,41,41	0.70	0	56,56,56	2.10	15 (26%)
17	BCR	a5	523	-	41,41,41	0.70	1 (2%)	56,56,56	1.88	16 (28%)
19	LMU	aB	1843	-	36,36,36	1.18	2 (5%)	47,47,47	0.96	1 (2%)
14	CLA	W	517	-	49,53,73	1.41	8 (16%)	58,89,113	1.43	5 (8%)
19	LMU	bB	1843	-	36,36,36	1.18	2 (5%)	47,47,47	0.97	1 (2%)
17	BCR	o	524	-	41,41,41	0.70	0	56,56,56	2.13	16 (28%)
14	CLA	cB	1230	2	62,66,73	1.25	8 (12%)	73,104,113	1.35	7 (9%)
17	BCR	l	522	-	41,41,41	0.67	0	56,56,56	2.28	15 (26%)
14	CLA	a6	512	13	49,53,73	1.40	8 (16%)	58,89,113	1.39	4 (6%)
17	BCR	b5	524	-	41,41,41	0.69	0	56,56,56	2.09	16 (28%)
14	CLA	cB	1229	2	64,68,73	1.24	7 (10%)	76,107,113	1.27	6 (7%)
14	CLA	h	518	13	51,55,73	1.36	7 (13%)	60,91,113	1.39	5 (8%)
14	CLA	j	510	13	64,68,73	1.23	7 (10%)	76,107,113	1.29	7 (9%)
14	CLA	cL	1501	10	69,73,73	1.18	7 (10%)	82,113,113	1.28	7 (8%)
14	CLA	W	501	13	69,73,73	1.18	9 (13%)	82,113,113	1.27	6 (7%)
14	CLA	b	512	13	54,58,73	1.34	8 (14%)	64,95,113	1.38	5 (7%)
14	CLA	a6	505	13	69,73,73	1.18	7 (10%)	82,113,113	1.25	6 (7%)
18	LHG	aA	5004	-	32,32,48	0.76	1 (3%)	35,38,54	1.27	4 (11%)
14	CLA	aA	1237	-	69,73,73	1.18	8 (11%)	82,113,113	1.26	5 (6%)
14	CLA	a6	503	13	69,73,73	1.19	6 (8%)	82,113,113	1.26	5 (6%)
14	CLA	cA	1126	1	69,73,73	1.17	7 (10%)	82,113,113	1.21	5 (6%)
14	CLA	a5	508	13	59,63,73	1.27	8 (13%)	70,101,113	1.30	6 (8%)
14	CLA	c2	501	13	69,73,73	1.18	8 (11%)	82,113,113	1.26	5 (6%)
14	CLA	bB	1203	2	69,73,73	1.18	7 (10%)	82,113,113	1.24	5 (6%)
14	CLA	a	516	13	49,53,73	1.40	7 (14%)	58,89,113	1.41	4 (6%)
14	CLA	a3	510	13	69,73,73	1.18	6 (8%)	82,113,113	1.26	6 (7%)
14	CLA	b	506	13	49,53,73	1.40	7 (14%)	58,89,113	1.41	5 (8%)
14	CLA	c4	519	13	55,59,73	1.32	7 (12%)	64,96,113	1.38	6 (9%)
14	CLA	T	519	13	49,53,73	1.40	6 (12%)	58,89,113	1.41	4 (6%)
17	BCR	bB	4006	-	41,41,41	0.68	0	56,56,56	2.11	15 (26%)
14	CLA	b	505	13	64,68,73	1.22	7 (10%)	76,107,113	1.31	7 (9%)
14	CLA	X	519	13	49,53,73	1.40	7 (14%)	58,89,113	1.39	4 (6%)
14	CLA	o	518	13	59,63,73	1.27	7 (11%)	70,101,113	1.33	6 (8%)
14	CLA	b1	508	13	59,63,73	1.27	8 (13%)	70,101,113	1.32	6 (8%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	V	509	13	69,73,73	1.18	8 (11%)	82,113,113	1.28	6 (7%)
14	CLA	c3	508	13	59,63,73	1.27	9 (15%)	70,101,113	1.32	6 (8%)
14	CLA	b4	511	13	49,53,73	1.41	6 (12%)	58,89,113	1.43	4 (6%)
14	CLA	c5	510	13	69,73,73	1.18	7 (10%)	82,113,113	1.26	6 (7%)
14	CLA	cB	1206	2	69,73,73	1.18	8 (11%)	82,113,113	1.25	6 (7%)
14	CLA	c6	508	13	59,63,73	1.28	8 (13%)	70,101,113	1.32	5 (7%)
14	CLA	a5	516	13	51,55,73	1.34	8 (15%)	60,91,113	1.41	5 (8%)
14	CLA	j	506	13	49,53,73	1.41	8 (16%)	58,89,113	1.40	4 (6%)
14	CLA	c5	519	13	55,59,73	1.32	6 (10%)	64,96,113	1.36	5 (7%)
20	SQD	bB	1852	-	40,42,54	1.09	3 (7%)	50,53,65	1.56	10 (20%)
14	CLA	c5	506	13	49,53,73	1.40	8 (16%)	58,89,113	1.41	5 (8%)
14	CLA	bA	1107	1	59,63,73	1.27	7 (11%)	70,101,113	1.32	5 (7%)
14	CLA	aA	1107	1	59,63,73	1.27	8 (13%)	70,101,113	1.32	6 (8%)
14	CLA	a	517	-	49,53,73	1.41	8 (16%)	58,89,113	1.40	4 (6%)
14	CLA	b1	507	-	65,69,73	1.22	7 (10%)	77,108,113	1.27	6 (7%)
14	CLA	b5	516	13	53,57,73	1.35	7 (13%)	61,93,113	1.39	5 (8%)
14	CLA	n	507	-	49,53,73	1.40	7 (14%)	58,89,113	1.42	4 (6%)
17	BCR	n	521	-	41,41,41	0.67	0	56,56,56	2.18	14 (25%)
14	CLA	o	505	13	49,53,73	1.39	7 (14%)	58,89,113	1.36	4 (6%)
14	CLA	c3	519	13	49,53,73	1.40	6 (12%)	58,89,113	1.40	4 (6%)
14	CLA	bL	1502	10	64,68,73	1.22	7 (10%)	76,107,113	1.28	6 (7%)
14	CLA	c6	516	13	49,53,73	1.40	7 (14%)	58,89,113	1.40	5 (8%)
20	SQD	X	822	-	34,36,54	1.17	3 (8%)	44,47,65	1.58	8 (18%)
17	BCR	j	521	-	41,41,41	0.67	0	56,56,56	2.14	16 (28%)
14	CLA	b1	519	13	49,53,73	1.40	6 (12%)	58,89,113	1.39	4 (6%)
14	CLA	f	501	13	49,53,73	1.41	9 (18%)	58,89,113	1.40	4 (6%)
14	CLA	c3	505	13	69,73,73	1.18	7 (10%)	82,113,113	1.26	6 (7%)
14	CLA	aA	1102	1	69,73,73	1.18	8 (11%)	82,113,113	1.26	6 (7%)
14	CLA	b6	517	-	49,53,73	1.41	8 (16%)	58,89,113	1.40	4 (6%)
17	BCR	m	522	-	41,41,41	0.69	0	56,56,56	2.06	14 (25%)
14	CLA	c4	507	-	64,68,73	1.22	7 (10%)	76,107,113	1.29	5 (6%)
14	CLA	W	513	13	54,58,73	1.33	7 (12%)	64,95,113	1.35	7 (10%)
14	CLA	a3	503	13	67,71,73	1.20	6 (8%)	79,110,113	1.26	5 (6%)
14	CLA	m	508	13	49,53,73	1.39	9 (18%)	58,89,113	1.42	5 (8%)
16	SF4	cA	3001	2,1	0,12,12	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	b3	512	13	57,61,73	1.30	7 (12%)	67,98,113	1.34	6 (8%)
14	CLA	aL	1501	10	69,73,73	1.17	7 (10%)	82,113,113	1.30	8 (9%)
14	CLA	bF	1301	-	49,53,73	1.40	8 (16%)	58,89,113	1.40	4 (6%)
14	CLA	h	516	13	49,53,73	1.41	5 (10%)	58,89,113	1.46	5 (8%)
14	CLA	bA	1134	1	59,63,73	1.29	7 (11%)	70,101,113	1.32	6 (8%)
14	CLA	c2	502	13	64,68,73	1.23	8 (12%)	76,107,113	1.28	5 (6%)
14	CLA	aB	1203	2	69,73,73	1.18	7 (10%)	82,113,113	1.24	5 (6%)
14	CLA	f	513	13	49,53,73	1.39	6 (12%)	58,89,113	1.42	6 (10%)
14	CLA	aB	1229	2	69,73,73	1.19	6 (8%)	82,113,113	1.22	6 (7%)
17	BCR	a5	524	-	41,41,41	0.69	0	56,56,56	2.03	14 (25%)
14	CLA	e	516	13	49,53,73	1.40	8 (16%)	58,89,113	1.49	6 (10%)
14	CLA	p	507	-	49,53,73	1.40	5 (10%)	58,89,113	1.40	4 (6%)
14	CLA	aB	1023	-	69,73,73	1.17	8 (11%)	82,113,113	1.29	6 (7%)
14	CLA	b3	505	13	69,73,73	1.18	7 (10%)	82,113,113	1.25	6 (7%)
14	CLA	bA	1111	1	59,63,73	1.28	7 (11%)	70,101,113	1.34	6 (8%)
14	CLA	b3	508	13	59,63,73	1.27	8 (13%)	70,101,113	1.33	6 (8%)
14	CLA	c1	511	13	54,58,73	1.33	8 (14%)	64,95,113	1.40	6 (9%)
14	CLA	W	503	13	67,71,73	1.20	5 (7%)	79,110,113	1.28	5 (6%)
14	CLA	j	517	-	49,53,73	1.40	8 (16%)	58,89,113	1.39	4 (6%)
14	CLA	cA	1127	1	69,73,73	1.18	8 (11%)	82,113,113	1.22	6 (7%)
14	CLA	b1	502	13	64,68,73	1.23	8 (12%)	76,107,113	1.31	6 (7%)
14	CLA	Y	519	13	49,53,73	1.41	8 (16%)	58,89,113	1.40	4 (6%)
17	BCR	b5	521	-	41,41,41	0.66	0	56,56,56	2.14	16 (28%)
17	BCR	c6	524	-	41,41,41	0.69	0	56,56,56	2.11	16 (28%)
14	CLA	d	518	13	59,63,73	1.28	7 (11%)	70,101,113	1.33	6 (8%)
15	PQN	bB	2002	-	34,34,34	3.03	12 (35%)	43,45,45	1.99	6 (13%)
17	BCR	k	524	-	41,41,41	0.70	0	56,56,56	2.04	17 (30%)
14	CLA	c4	502	13	64,68,73	1.23	9 (14%)	76,107,113	1.31	6 (7%)
14	CLA	l	518	13	54,58,73	1.32	7 (12%)	64,95,113	1.39	6 (9%)
14	CLA	b4	507	-	64,68,73	1.23	7 (10%)	76,107,113	1.28	5 (6%)
17	BCR	aF	4016	-	41,41,41	0.69	0	56,56,56	2.07	15 (26%)
17	BCR	cA	4007	-	41,41,41	0.69	0	56,56,56	2.06	16 (28%)
14	CLA	l	506	13	49,53,73	1.40	8 (16%)	58,89,113	1.41	4 (6%)
17	BCR	b2	524	-	41,41,41	0.69	0	56,56,56	2.09	17 (30%)
14	CLA	aA	1125	1	69,73,73	1.19	9 (13%)	82,113,113	1.25	5 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
17	BCR	c	522	-	41,41,41	0.69	0	56,56,56	2.17	15 (26%)
17	BCR	cM	4021	-	41,41,41	0.67	0	56,56,56	2.29	15 (26%)
14	CLA	h	513	13	54,58,73	1.33	7 (12%)	64,95,113	1.38	7 (10%)
17	BCR	e	521	-	41,41,41	0.68	0	56,56,56	2.13	17 (30%)
17	BCR	T	523	-	41,41,41	0.69	0	56,56,56	1.99	14 (25%)
14	CLA	b5	510	13	69,73,73	1.18	8 (11%)	82,113,113	1.26	6 (7%)
14	CLA	cB	1202	2	69,73,73	1.17	6 (8%)	82,113,113	1.26	5 (6%)
14	CLA	cB	1215	2	65,69,73	1.21	7 (10%)	77,108,113	1.27	6 (7%)
14	CLA	cB	1021	2	69,73,73	1.17	7 (10%)	82,113,113	1.19	6 (7%)
17	BCR	V	524	-	41,41,41	0.70	0	56,56,56	2.14	16 (28%)
14	CLA	d	517	-	49,53,73	1.40	7 (14%)	58,89,113	1.37	4 (6%)
14	CLA	a3	501	13	69,73,73	1.18	9 (13%)	82,113,113	1.26	6 (7%)
14	CLA	a2	506	13	49,53,73	1.40	7 (14%)	58,89,113	1.42	5 (8%)
17	BCR	S	521	-	41,41,41	0.66	0	56,56,56	2.14	14 (25%)
14	CLA	h	506	13	49,53,73	1.40	8 (16%)	58,89,113	1.41	4 (6%)
14	CLA	a3	516	13	49,53,73	1.39	6 (12%)	58,89,113	1.42	4 (6%)
14	CLA	Z	508	13	49,53,73	1.40	9 (18%)	58,89,113	1.40	4 (6%)
14	CLA	b	511	13	49,53,73	1.41	8 (16%)	58,89,113	1.42	4 (6%)
14	CLA	f	511	13	49,53,73	1.40	5 (10%)	58,89,113	1.44	4 (6%)
14	CLA	b3	506	13	49,53,73	1.40	8 (16%)	58,89,113	1.42	5 (8%)
17	BCR	p	522	-	41,41,41	0.67	0	56,56,56	2.16	15 (26%)
14	CLA	T	518	13	54,58,73	1.33	8 (14%)	64,95,113	1.39	6 (9%)
21	LMG	a2	5104	-	40,40,55	0.83	1 (2%)	48,48,63	1.25	5 (10%)
14	CLA	a	508	13	49,53,73	1.39	7 (14%)	58,89,113	1.43	5 (8%)
14	CLA	i	502	13	49,53,73	1.40	6 (12%)	58,89,113	1.43	4 (6%)
14	CLA	X	518	13	59,63,73	1.28	8 (13%)	70,101,113	1.32	6 (8%)
14	CLA	aB	1225	2	69,73,73	1.18	7 (10%)	82,113,113	1.25	8 (9%)
14	CLA	b1	504	-	59,63,73	1.28	7 (11%)	70,101,113	1.32	5 (7%)
14	CLA	c2	512	13	56,60,73	1.32	7 (12%)	65,97,113	1.36	6 (9%)
17	BCR	b	524	-	41,41,41	0.70	0	56,56,56	2.04	17 (30%)
14	CLA	bB	1023	-	69,73,73	1.17	8 (11%)	82,113,113	1.30	6 (7%)
14	CLA	cB	1231	2	59,63,73	1.30	7 (11%)	70,101,113	1.31	6 (8%)
14	CLA	aA	1106	1	69,73,73	1.17	7 (10%)	82,113,113	1.26	6 (7%)
14	CLA	b3	503	13	67,71,73	1.20	8 (11%)	79,110,113	1.28	5 (6%)
17	BCR	cJ	4012	-	41,41,41	0.67	0	56,56,56	2.02	16 (28%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	bA	1129	1	59,63,73	1.27	8 (13%)	70,101,113	1.35	5 (7%)
14	CLA	a2	501	13	69,73,73	1.18	7 (10%)	82,113,113	1.27	6 (7%)
18	LHG	cA	5001	-	47,47,48	0.62	1 (2%)	50,53,54	1.28	6 (12%)
14	CLA	l	513	13	49,53,73	1.40	6 (12%)	58,89,113	1.41	4 (6%)
14	CLA	a2	509	13	69,73,73	1.18	7 (10%)	82,113,113	1.29	6 (7%)
14	CLA	U	517	-	49,53,73	1.41	7 (14%)	58,89,113	1.40	4 (6%)
14	CLA	Z	519	13	49,53,73	1.40	8 (16%)	58,89,113	1.38	4 (6%)
14	CLA	cB	1213	2	64,68,73	1.22	7 (10%)	76,107,113	1.32	6 (7%)
14	CLA	c5	518	13	59,63,73	1.28	7 (11%)	70,101,113	1.35	6 (8%)
16	SF4	cC	3003	3	0,12,12	-	-	-	-	-
17	BCR	a4	524	-	41,41,41	0.69	0	56,56,56	1.99	14 (25%)
14	CLA	d	505	13	69,73,73	1.18	7 (10%)	82,113,113	1.25	6 (7%)
14	CLA	U	518	13	49,53,73	1.40	6 (12%)	58,89,113	1.43	4 (6%)
14	CLA	q	518	13	49,53,73	1.40	7 (14%)	58,89,113	1.42	4 (6%)
14	CLA	aB	1212	2	49,53,73	1.40	7 (14%)	58,89,113	1.44	5 (8%)
17	BCR	U	521	-	41,41,41	0.66	0	56,56,56	2.06	13 (23%)
14	CLA	b2	513	13	51,55,73	1.35	7 (13%)	60,91,113	1.36	5 (8%)
14	CLA	b1	518	13	59,63,73	1.28	8 (13%)	70,101,113	1.33	6 (8%)
14	CLA	aA	1011	1	69,73,73	1.17	6 (8%)	82,113,113	1.24	7 (8%)
17	BCR	k	522	-	41,41,41	0.66	0	56,56,56	2.13	18 (32%)
17	BCR	q	522	-	41,41,41	0.68	0	56,56,56	2.13	16 (28%)
17	BCR	a1	523	-	41,41,41	0.70	0	56,56,56	1.91	16 (28%)
20	SQD	a3	822	-	36,38,54	1.14	3 (8%)	46,49,65	1.56	9 (19%)
17	BCR	f	522	-	41,41,41	0.67	0	56,56,56	2.10	15 (26%)
14	CLA	n	519	13	49,53,73	1.41	7 (14%)	58,89,113	1.41	4 (6%)
14	CLA	aB	1201	2	61,65,73	1.25	6 (9%)	72,103,113	1.31	4 (5%)
17	BCR	i	522	-	41,41,41	0.69	0	56,56,56	2.05	16 (28%)
14	CLA	bB	1223	2	69,73,73	1.18	8 (11%)	82,113,113	1.27	6 (7%)
14	CLA	cB	1216	-	59,63,73	1.28	8 (13%)	70,101,113	1.31	4 (5%)
18	LHG	aA	5003	14	40,40,48	0.71	2 (5%)	43,46,54	1.34	6 (13%)
14	CLA	a1	511	13	59,63,73	1.28	8 (13%)	70,101,113	1.34	6 (8%)
14	CLA	b4	508	13	59,63,73	1.27	8 (13%)	70,101,113	1.32	6 (8%)
14	CLA	aB	1208	2	59,63,73	1.28	7 (11%)	70,101,113	1.31	6 (8%)
14	CLA	aA	1140	1	69,73,73	1.19	8 (11%)	82,113,113	1.22	4 (4%)
14	CLA	aB	1234	2	64,68,73	1.24	8 (12%)	76,107,113	1.29	6 (7%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
14	CLA	g	502	13	49,53,73	1.40	7 (14%)	58,89,113	1.42	4 (6%)
14	CLA	a5	509	13	69,73,73	1.18	7 (10%)	82,113,113	1.27	4 (4%)
17	BCR	bI	4020	-	41,41,41	0.69	0	56,56,56	2.00	15 (26%)
14	CLA	V	505	13	66,70,73	1.20	7 (10%)	78,109,113	1.29	5 (6%)
14	CLA	j	518	13	54,58,73	1.33	7 (12%)	64,95,113	1.41	6 (9%)
14	CLA	c4	504	-	49,53,73	1.40	7 (14%)	58,89,113	1.43	4 (6%)
14	CLA	cA	1131	1	69,73,73	1.19	8 (11%)	82,113,113	1.24	6 (7%)
14	CLA	bA	1117	1	69,73,73	1.17	8 (11%)	82,113,113	1.26	5 (6%)
14	CLA	bB	1232	-	49,53,73	1.41	8 (16%)	58,89,113	1.39	4 (6%)
17	BCR	a1	524	-	41,41,41	0.69	0	56,56,56	2.08	19 (33%)
14	CLA	Z	504	-	59,63,73	1.29	8 (13%)	70,101,113	1.36	6 (8%)
17	BCR	a	521	-	41,41,41	0.66	0	56,56,56	2.07	14 (25%)
14	CLA	n	504	-	49,53,73	1.41	8 (16%)	58,89,113	1.42	4 (6%)
17	BCR	f	524	-	41,41,41	0.71	0	56,56,56	2.09	18 (32%)
14	CLA	X	513	13	50,54,73	1.37	6 (12%)	59,90,113	1.36	4 (6%)
17	BCR	i	524	-	41,41,41	0.69	0	56,56,56	2.20	17 (30%)
17	BCR	f	523	-	41,41,41	0.67	0	56,56,56	1.90	16 (28%)
14	CLA	c4	510	13	69,73,73	1.18	6 (8%)	82,113,113	1.25	6 (7%)
14	CLA	bA	1105	1	57,61,73	1.30	8 (14%)	67,98,113	1.37	7 (10%)
14	CLA	b5	511	13	54,58,73	1.33	8 (14%)	64,95,113	1.38	6 (9%)
14	CLA	k	506	13	49,53,73	1.40	8 (16%)	58,89,113	1.41	4 (6%)
14	CLA	c1	519	13	49,53,73	1.40	7 (14%)	58,89,113	1.42	4 (6%)
14	CLA	a1	516	13	62,66,73	1.25	8 (12%)	73,104,113	1.40	8 (10%)
14	CLA	b6	507	-	64,68,73	1.23	8 (12%)	76,107,113	1.27	4 (5%)
18	LHG	aA	5002	-	40,40,48	0.69	2 (5%)	43,46,54	1.24	4 (9%)
14	CLA	b1	510	13	69,73,73	1.19	8 (11%)	82,113,113	1.25	6 (7%)
14	CLA	n	517	-	49,53,73	1.42	8 (16%)	58,89,113	1.38	4 (6%)
14	CLA	bK	1401	-	59,63,73	1.29	8 (13%)	70,101,113	1.32	5 (7%)
14	CLA	aA	1112	1	52,56,73	1.35	9 (17%)	61,92,113	1.40	5 (8%)
14	CLA	aA	1126	1	69,73,73	1.18	8 (11%)	82,113,113	1.23	4 (4%)
18	LHG	aA	5005	-	44,44,48	0.63	1 (2%)	47,50,54	1.28	5 (10%)
17	BCR	cB	4005	-	41,41,41	0.71	0	56,56,56	1.97	13 (23%)
14	CLA	q	512	13	49,53,73	1.40	7 (14%)	58,89,113	1.41	4 (6%)
14	CLA	j	504	-	49,53,73	1.41	7 (14%)	58,89,113	1.44	4 (6%)
14	CLA	o	513	13	49,53,73	1.40	7 (14%)	58,89,113	1.40	4 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
20	SQD	a6	822	-	29,31,54	1.28	3 (10%)	39,42,65	1.65	8 (20%)
14	CLA	d	509	13	66,70,73	1.20	7 (10%)	78,109,113	1.31	6 (7%)
17	BCR	g	522	-	41,41,41	0.68	0	56,56,56	2.12	16 (28%)

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the Chemical Component Dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	bL	1503	-	1/1/15/20	10/39/115/115	-
14	CLA	a6	516	13	1/1/11/20	7/15/91/115	-
14	CLA	cA	1110	1	1/1/12/20	7/25/101/115	-
14	CLA	bB	1222	-	1/1/14/20	4/33/109/115	-
14	CLA	c3	513	13	1/1/12/20	3/21/97/115	-
17	BCR	aM	4021	-	-	7/29/63/63	0/2/2/2
14	CLA	c	519	13	1/1/11/20	7/15/91/115	-
17	BCR	Y	521	-	-	4/29/63/63	0/2/2/2
14	CLA	aB	1223	2	1/1/15/20	8/39/115/115	-
17	BCR	l	524	-	-	0/29/63/63	0/2/2/2
14	CLA	c	505	13	1/1/15/20	14/39/115/115	-
14	CLA	f	508	13	1/1/11/20	1/15/91/115	-
14	CLA	i	508	13	1/1/11/20	2/15/91/115	-
14	CLA	c4	506	13	1/1/11/20	7/15/91/115	-
14	CLA	p	502	13	1/1/13/20	9/27/103/115	-
14	CLA	cA	1139	-	1/1/14/20	10/33/109/115	-
14	CLA	cB	1235	2	1/1/15/20	11/39/115/115	-
17	BCR	bA	4003	-	-	4/29/63/63	0/2/2/2
17	BCR	c2	522	-	-	5/29/63/63	0/2/2/2
17	BCR	a4	522	-	-	4/29/63/63	0/2/2/2
14	CLA	U	505	13	1/1/13/20	6/27/103/115	-
21	LMG	b1	5104	-	-	6/30/50/70	0/1/1/1
14	CLA	bA	1102	1	1/1/15/20	8/39/115/115	-
14	CLA	bB	1215	2	1/1/14/20	6/33/109/115	-
14	CLA	aA	1119	-	1/1/15/20	10/39/115/115	-
14	CLA	a4	505	13	1/1/14/20	12/33/109/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	bA	1128	1	1/1/15/20	9/39/115/115	-
14	CLA	bB	1219	-	1/1/13/20	9/27/103/115	-
14	CLA	cB	1210	2	1/1/15/20	17/39/115/115	-
17	BCR	g	523	-	-	2/29/63/63	0/2/2/2
14	CLA	e	508	13	1/1/11/20	4/15/91/115	-
21	LMG	cB	5002	-	-	15/44/64/70	0/1/1/1
14	CLA	aA	1133	1	1/1/15/20	14/39/115/115	-
14	CLA	q	516	13	1/1/11/20	11/15/91/115	-
14	CLA	b1	503	13	1/1/14/20	8/37/113/115	-
14	CLA	S	519	13	1/1/11/20	7/15/91/115	-
17	BCR	o	522	-	-	4/29/63/63	0/2/2/2
14	CLA	W	502	13	1/1/14/20	10/33/109/115	-
14	CLA	a6	510	13	1/1/15/20	12/39/115/115	-
19	LMU	bJ	5105	-	-	5/13/33/61	0/1/1/2
17	BCR	c3	521	-	-	7/29/63/63	0/2/2/2
14	CLA	cA	1022	-	1/1/15/20	10/39/115/115	-
14	CLA	Y	504	-	1/1/13/20	10/27/103/115	-
18	LHG	cA	5005	-	-	17/48/48/53	-
17	BCR	b3	524	-	-	2/29/63/63	0/2/2/2
20	SQD	a2	822	-	-	8/28/48/69	0/1/1/1
20	SQD	g	822	-	-	6/25/45/69	0/1/1/1
14	CLA	g	512	13	1/1/11/20	3/15/91/115	-
14	CLA	S	518	13	1/1/12/20	11/23/99/115	-
14	CLA	c	513	13	1/1/11/20	5/15/91/115	-
14	CLA	b	510	13	1/1/14/20	10/33/109/115	-
14	CLA	c1	509	13	1/1/15/20	9/39/115/115	-
14	CLA	b5	502	13	1/1/14/20	12/33/109/115	-
17	BCR	c2	523	-	-	0/29/63/63	0/2/2/2
17	BCR	bF	4014	-	-	4/29/63/63	0/2/2/2
14	CLA	q	513	13	1/1/11/20	0/15/91/115	-
14	CLA	c2	509	13	1/1/15/20	6/39/115/115	-
20	SQD	b	822	-	-	7/26/46/69	0/1/1/1
14	CLA	aA	1121	1	1/1/13/20	13/27/103/115	-
14	CLA	bA	1108	1	1/1/11/20	3/15/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	a2	518	13	1/1/13/20	8/27/103/115	-
14	CLA	d	513	13	1/1/11/20	5/15/91/115	-
17	BCR	c3	523	-	-	3/29/63/63	0/2/2/2
14	CLA	cA	1105	1	1/1/12/20	5/23/99/115	-
16	SF4	bA	3001	2,1	-	-	0/6/5/5
14	CLA	U	519	13	1/1/11/20	6/15/91/115	-
14	CLA	T	507	-	1/1/11/20	4/15/91/115	-
17	BCR	cB	4004	-	-	7/29/63/63	0/2/2/2
14	CLA	bB	1239	2	1/1/15/20	12/39/115/115	-
14	CLA	c2	505	13	1/1/15/20	14/39/115/115	-
19	LMU	bA	1848	-	-	5/15/35/61	0/1/1/2
14	CLA	b4	504	-	1/1/12/20	11/25/101/115	-
14	CLA	cB	1221	2	1/1/14/20	13/33/109/115	-
14	CLA	i	504	-	1/1/11/20	5/15/91/115	-
18	LHG	bX	4021	-	-	13/43/43/53	-
17	BCR	bI	4018	-	-	6/29/63/63	0/2/2/2
14	CLA	q	503	13	1/1/14/20	8/36/112/115	-
14	CLA	m	502	13	1/1/11/20	3/15/91/115	-
14	CLA	a1	519	13	1/1/11/20	8/15/91/115	-
14	CLA	k	511	13	1/1/11/20	5/15/91/115	-
17	BCR	o	521	-	-	5/29/63/63	0/2/2/2
14	CLA	Z	511	13	1/1/11/20	5/15/91/115	-
14	CLA	W	510	13	1/1/15/20	11/39/115/115	-
14	CLA	a2	505	13	1/1/15/20	12/39/115/115	-
14	CLA	U	507	-	1/1/11/20	6/15/91/115	-
14	CLA	aA	1116	1	1/1/14/20	10/33/109/115	-
14	CLA	a6	501	13	1/1/15/20	9/39/115/115	-
14	CLA	cB	1239	2	1/1/15/20	13/39/115/115	-
14	CLA	c5	507	-	1/1/14/20	8/33/109/115	-
14	CLA	c1	501	13	1/1/15/20	13/39/115/115	-
14	CLA	g	518	13	1/1/11/20	5/15/91/115	-
14	CLA	l	508	13	1/1/11/20	5/17/93/115	-
14	CLA	cA	1113	1	1/1/11/20	4/15/91/115	-
14	CLA	o	507	-	1/1/11/20	4/15/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
17	BCR	g	521	-	-	4/29/63/63	0/2/2/2
14	CLA	b1	516	13	1/1/11/20	10/15/91/115	-
14	CLA	c3	507	-	1/1/14/20	4/33/109/115	-
17	BCR	c	523	-	-	2/29/63/63	0/2/2/2
14	CLA	f	512	13	1/1/11/20	6/15/91/115	-
17	BCR	b2	522	-	-	4/29/63/63	0/2/2/2
14	CLA	b4	518	13	1/1/13/20	10/27/103/115	-
14	CLA	W	512	13	1/1/11/20	8/15/91/115	-
14	CLA	g	506	13	1/1/11/20	6/15/91/115	-
14	CLA	e	510	13	1/1/13/20	10/27/103/115	-
14	CLA	b	509	13	1/1/14/20	4/36/112/115	-
17	BCR	b5	523	-	-	2/29/63/63	0/2/2/2
14	CLA	b2	508	13	1/1/13/20	2/27/103/115	-
14	CLA	b6	518	13	1/1/12/20	11/21/97/115	-
17	BCR	b6	521	-	-	2/29/63/63	0/2/2/2
14	CLA	c4	517	-	1/1/11/20	11/15/91/115	-
14	CLA	aB	1012	-	1/1/14/20	13/36/112/115	-
14	CLA	a4	502	13	1/1/14/20	11/33/109/115	-
14	CLA	c	518	13	1/1/11/20	5/15/91/115	-
14	CLA	b4	519	13	1/1/12/20	6/24/100/115	-
14	CLA	U	502	13	1/1/13/20	6/30/106/115	-
14	CLA	c3	510	13	1/1/15/20	8/39/115/115	-
14	CLA	q	509	13	1/1/14/20	12/36/112/115	-
14	CLA	bB	1213	2	1/1/14/20	7/33/109/115	-
14	CLA	c2	506	13	1/1/11/20	6/15/91/115	-
14	CLA	aA	1134	1	1/1/13/20	13/30/106/115	-
17	BCR	b6	524	-	-	0/29/63/63	0/2/2/2
14	CLA	l	510	13	1/1/11/20	4/15/91/115	-
20	SQD	c	822	-	-	7/26/46/69	0/1/1/1
14	CLA	a5	504	-	1/1/12/20	6/24/100/115	-
14	CLA	c	501	13	1/1/12/20	12/24/100/115	-
14	CLA	cB	1205	2	1/1/15/20	11/39/115/115	-
17	BCR	T	522	-	-	5/29/63/63	0/2/2/2
14	CLA	Z	503	13	1/1/14/20	13/35/111/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
17	BCR	bF	4016	-	-	2/29/63/63	0/2/2/2
14	CLA	c	516	13	1/1/11/20	6/15/91/115	-
14	CLA	n	518	13	1/1/11/20	8/18/94/115	-
14	CLA	aA	1111	1	1/1/13/20	9/27/103/115	-
14	CLA	cB	1224	2	1/1/13/20	14/31/107/115	-
14	CLA	a2	519	13	1/1/12/20	4/21/97/115	-
14	CLA	T	508	13	1/1/11/20	4/15/91/115	-
14	CLA	a1	509	13	1/1/15/20	5/39/115/115	-
17	BCR	h	523	-	-	4/29/63/63	0/2/2/2
14	CLA	k	501	13	1/1/12/20	12/23/99/115	-
14	CLA	bA	1110	1	1/1/12/20	5/25/101/115	-
14	CLA	cB	1203	2	1/1/15/20	18/39/115/115	-
17	BCR	d	524	-	-	0/29/63/63	0/2/2/2
14	CLA	cA	1121	1	1/1/12/20	8/23/99/115	-
14	CLA	l	512	13	1/1/11/20	3/15/91/115	-
14	CLA	o	503	13	1/1/14/20	9/36/112/115	-
14	CLA	S	513	13	1/1/11/20	3/18/94/115	-
14	CLA	k	516	13	1/1/11/20	4/15/91/115	-
17	BCR	p	521	-	-	5/29/63/63	0/2/2/2
20	SQD	d	822	-	-	10/26/46/69	0/1/1/1
14	CLA	bB	1226	2	1/1/15/20	9/39/115/115	-
14	CLA	S	502	13	1/1/11/20	6/17/93/115	-
14	CLA	b3	510	13	1/1/15/20	10/39/115/115	-
14	CLA	m	512	13	1/1/11/20	7/15/91/115	-
14	CLA	d	516	13	1/1/11/20	2/15/91/115	-
14	CLA	c3	506	13	1/1/11/20	5/15/91/115	-
14	CLA	a	502	13	1/1/11/20	6/15/91/115	-
14	CLA	c1	502	13	1/1/14/20	6/33/109/115	-
14	CLA	c	510	13	1/1/14/20	9/33/109/115	-
14	CLA	bB	1227	2	1/1/12/20	12/26/102/115	-
14	CLA	l	516	13	1/1/11/20	7/15/91/115	-
14	CLA	g	519	13	1/1/11/20	8/15/91/115	-
14	CLA	W	506	13	1/1/11/20	5/15/91/115	-
18	LHG	bA	5001	-	-	17/53/53/53	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	aB	1239	2	1/1/15/20	12/39/115/115	-
15	PQN	cA	2001	-	-	10/23/43/43	0/2/2/2
14	CLA	c	512	13	1/1/11/20	8/15/91/115	-
20	SQD	V	822	-	-	10/26/46/69	0/1/1/1
14	CLA	f	519	13	1/1/11/20	4/15/91/115	-
14	CLA	aL	1503	-	1/1/15/20	11/39/115/115	-
14	CLA	i	517	-	1/1/11/20	11/15/91/115	-
17	BCR	aB	4006	-	-	4/29/63/63	0/2/2/2
14	CLA	bJ	1303	8	1/1/13/20	6/30/106/115	-
14	CLA	c4	501	13	1/1/15/20	16/39/115/115	-
14	CLA	b6	505	13	1/1/15/20	11/39/115/115	-
17	BCR	Z	524	-	-	0/29/63/63	0/2/2/2
14	CLA	b5	506	13	1/1/11/20	4/15/91/115	-
14	CLA	cB	1209	2	1/1/12/20	11/25/101/115	-
17	BCR	j	523	-	-	2/29/63/63	0/2/2/2
17	BCR	k	521	-	-	2/29/63/63	0/2/2/2
14	CLA	i	511	13	1/1/11/20	5/15/91/115	-
14	CLA	p	510	13	1/1/11/20	4/17/93/115	-
14	CLA	n	513	13	1/1/11/20	3/15/91/115	-
14	CLA	c	506	13	1/1/11/20	4/15/91/115	-
20	SQD	i	822	-	-	8/25/45/69	0/1/1/1
17	BCR	m	523	-	-	2/29/63/63	0/2/2/2
17	BCR	Y	522	-	-	5/29/63/63	0/2/2/2
14	CLA	cA	1138	1	1/1/15/20	11/39/115/115	-
14	CLA	a4	512	13	1/1/11/20	8/15/91/115	-
17	BCR	cB	4010	-	-	2/29/63/63	0/2/2/2
14	CLA	b2	512	13	1/1/12/20	11/26/102/115	-
17	BCR	U	523	-	-	2/29/63/63	0/2/2/2
17	BCR	X	521	-	-	5/29/63/63	0/2/2/2
17	BCR	cA	4002	-	-	4/29/63/63	0/2/2/2
17	BCR	j	524	-	-	2/29/63/63	0/2/2/2
14	CLA	cB	1207	2	1/1/15/20	12/39/115/115	-
14	CLA	aA	1129	1	1/1/12/20	11/25/101/115	-
17	BCR	bB	4009	-	-	4/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	X	516	13	1/1/11/20	6/15/91/115	-
14	CLA	bA	1122	1	1/1/14/20	9/33/109/115	-
14	CLA	l	511	13	1/1/11/20	5/15/91/115	-
14	CLA	c2	516	13	1/1/11/20	9/15/91/115	-
14	CLA	a4	516	13	1/1/11/20	5/15/91/115	-
17	BCR	c5	521	-	-	2/29/63/63	0/2/2/2
14	CLA	T	510	13	1/1/13/20	10/29/105/115	-
14	CLA	n	516	13	1/1/11/20	6/15/91/115	-
17	BCR	b4	523	-	-	2/29/63/63	0/2/2/2
14	CLA	a	519	13	1/1/11/20	6/15/91/115	-
14	CLA	p	506	13	1/1/11/20	4/15/91/115	-
14	CLA	aA	1115	1	1/1/14/20	13/33/109/115	-
14	CLA	h	509	13	1/1/15/20	8/39/115/115	-
14	CLA	j	516	13	1/1/11/20	3/15/91/115	-
17	BCR	a3	524	-	-	0/29/63/63	0/2/2/2
17	BCR	c1	523	-	-	3/29/63/63	0/2/2/2
18	LHG	cA	5003	14	-	10/45/45/53	-
14	CLA	p	505	13	1/1/11/20	3/18/94/115	-
14	CLA	bA	1116	1	1/1/14/20	13/33/109/115	-
14	CLA	b	517	-	1/1/11/20	6/15/91/115	-
14	CLA	bA	1130	1	1/1/13/20	5/27/103/115	-
14	CLA	f	517	-	1/1/11/20	6/15/91/115	-
14	CLA	k	510	13	1/1/11/20	6/15/91/115	-
14	CLA	c5	516	13	1/1/11/20	7/15/91/115	-
21	LMG	bJ	5104	-	-	8/24/44/70	0/1/1/1
14	CLA	a4	510	13	1/1/15/20	10/39/115/115	-
14	CLA	aA	1135	1	1/1/12/20	10/23/99/115	-
14	CLA	aB	1233	-	1/1/11/20	2/15/91/115	-
14	CLA	U	516	13	1/1/11/20	9/15/91/115	-
14	CLA	aB	1211	2	1/1/15/20	9/39/115/115	-
18	LHG	cA	5004	-	-	10/35/35/53	-
14	CLA	a5	519	13	1/1/12/20	4/23/99/115	-
17	BCR	b	521	-	-	7/29/63/63	0/2/2/2
17	BCR	aJ	4012	-	-	4/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	U	504	-	1/1/12/20	8/21/97/115	-
14	CLA	o	510	13	1/1/13/20	10/29/105/115	-
14	CLA	b3	511	13	1/1/14/20	16/36/112/115	-
17	BCR	bL	4022	-	-	3/29/63/63	0/2/2/2
14	CLA	h	508	13	1/1/11/20	4/15/91/115	-
14	CLA	S	507	-	1/1/11/20	6/18/94/115	-
14	CLA	c6	507	-	1/1/13/20	3/30/106/115	-
14	CLA	f	502	13	1/1/11/20	4/15/91/115	-
14	CLA	b5	519	13	1/1/12/20	6/24/100/115	-
17	BCR	cK	4001	-	-	2/29/63/63	0/2/2/2
17	BCR	c2	524	-	-	0/29/63/63	0/2/2/2
14	CLA	c6	519	13	1/1/11/20	7/15/91/115	-
14	CLA	a1	502	13	1/1/14/20	14/33/109/115	-
14	CLA	e	501	13	1/1/11/20	9/15/91/115	-
14	CLA	cA	1801	18	1/1/11/20	8/15/91/115	-
14	CLA	c1	516	13	1/1/13/20	8/27/103/115	-
14	CLA	c4	503	13	1/1/15/20	13/39/115/115	-
14	CLA	T	503	13	1/1/11/20	2/15/91/115	-
14	CLA	W	516	13	1/1/11/20	9/15/91/115	-
17	BCR	aA	4011	-	-	7/29/63/63	0/2/2/2
14	CLA	i	506	13	1/1/11/20	6/15/91/115	-
17	BCR	aB	4009	-	-	7/29/63/63	0/2/2/2
18	LHG	bA	5004	-	-	16/43/43/53	-
14	CLA	cB	1228	2	1/1/13/20	4/27/103/115	-
14	CLA	n	503	13	1/1/11/20	6/17/93/115	-
17	BCR	e	524	-	-	0/29/63/63	0/2/2/2
14	CLA	e	507	-	1/1/12/20	5/21/97/115	-
14	CLA	cA	1118	1	1/1/14/20	15/33/109/115	-
14	CLA	o	506	13	1/1/11/20	6/15/91/115	-
14	CLA	c3	518	13	1/1/13/20	14/27/103/115	-
14	CLA	o	502	13	1/1/11/20	2/15/91/115	-
14	CLA	g	501	13	1/1/13/20	15/27/103/115	-
14	CLA	c5	505	13	1/1/15/20	16/39/115/115	-
17	BCR	Z	521	-	-	7/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	a	509	13	1/1/15/20	6/39/115/115	-
14	CLA	bB	1212	2	1/1/11/20	2/15/91/115	-
14	CLA	c3	502	13	1/1/14/20	8/33/109/115	-
17	BCR	b1	521	-	-	7/29/63/63	0/2/2/2
14	CLA	cA	1133	1	1/1/15/20	12/39/115/115	-
14	CLA	c1	510	13	1/1/15/20	8/39/115/115	-
14	CLA	i	510	13	1/1/12/20	2/21/97/115	-
14	CLA	p	518	13	1/1/11/20	10/19/95/115	-
14	CLA	c3	503	13	1/1/14/20	5/37/113/115	-
14	CLA	n	505	13	1/1/15/20	9/39/115/115	-
16	SF4	bC	3003	3	-	-	0/6/5/5
14	CLA	e	517	-	1/1/11/20	9/15/91/115	-
14	CLA	h	501	13	1/1/11/20	8/15/91/115	-
20	SQD	a1	822	-	-	6/26/46/69	0/1/1/1
14	CLA	bB	1206	2	1/1/15/20	10/39/115/115	-
17	BCR	W	524	-	-	0/29/63/63	0/2/2/2
16	SF4	aC	3003	3	-	-	0/6/5/5
14	CLA	a6	519	13	1/1/11/20	7/15/91/115	-
14	CLA	g	516	13	1/1/11/20	11/15/91/115	-
14	CLA	a5	512	13	1/1/12/20	9/24/100/115	-
14	CLA	c1	506	13	1/1/11/20	6/15/91/115	-
14	CLA	aB	1219	-	1/1/13/20	8/27/103/115	-
14	CLA	aA	1128	1	1/1/15/20	8/39/115/115	-
14	CLA	a3	508	13	1/1/13/20	4/27/103/115	-
14	CLA	q	510	13	1/1/14/20	8/36/112/115	-
14	CLA	c1	507	-	1/1/14/20	6/33/109/115	-
14	CLA	cA	1116	1	1/1/14/20	8/33/109/115	-
14	CLA	l	517	-	1/1/11/20	8/15/91/115	-
14	CLA	a5	506	13	1/1/11/20	6/15/91/115	-
14	CLA	a1	504	-	1/1/13/20	9/27/103/115	-
14	CLA	o	512	13	1/1/11/20	5/15/91/115	-
17	BCR	bB	4004	-	-	6/29/63/63	0/2/2/2
17	BCR	c1	522	-	-	4/29/63/63	0/2/2/2
14	CLA	c6	512	13	1/1/11/20	10/15/91/115	-
21	LMG	c1	5104	-	-	7/34/54/70	0/1/1/1

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	a4	511	13	1/1/11/20	3/15/91/115	-
17	BCR	cB	4006	-	-	4/29/63/63	0/2/2/2
20	SQD	f	822	-	-	12/25/45/69	0/1/1/1
14	CLA	h	510	13	1/1/13/20	10/27/103/115	-
14	CLA	k	518	13	1/1/11/20	7/15/91/115	-
14	CLA	i	503	13	1/1/11/20	3/15/91/115	-
14	CLA	bB	1012	-	1/1/14/20	14/35/111/115	-
14	CLA	T	516	13	1/1/11/20	4/15/91/115	-
17	BCR	b4	521	-	-	7/29/63/63	0/2/2/2
14	CLA	b5	508	13	1/1/13/20	1/27/103/115	-
14	CLA	p	509	13	1/1/14/20	11/36/112/115	-
14	CLA	l	502	13	1/1/13/20	10/27/103/115	-
21	LMG	aB	5002	-	-	16/44/64/70	0/1/1/1
14	CLA	p	512	13	1/1/11/20	5/15/91/115	-
17	BCR	g	524	-	-	0/29/63/63	0/2/2/2
14	CLA	a3	509	13	1/1/15/20	3/39/115/115	-
14	CLA	a2	503	13	1/1/15/20	8/39/115/115	-
14	CLA	bA	1125	1	1/1/15/20	16/39/115/115	-
14	CLA	b2	511	13	1/1/12/20	2/23/99/115	-
14	CLA	c2	508	13	1/1/13/20	2/27/103/115	-
20	SQD	aB	1852	-	-	9/37/57/69	0/1/1/1
14	CLA	X	507	-	1/1/14/20	7/33/109/115	-
14	CLA	aA	1109	1	1/1/15/20	11/39/115/115	-
14	CLA	Z	507	-	1/1/14/20	6/33/109/115	-
14	CLA	c	508	13	1/1/13/20	6/27/103/115	-
14	CLA	a	513	13	1/1/11/20	1/15/91/115	-
14	CLA	b2	502	13	1/1/14/20	8/33/109/115	-
17	BCR	b3	521	-	-	5/29/63/63	0/2/2/2
14	CLA	U	501	13	1/1/11/20	10/15/91/115	-
14	CLA	cA	1119	-	1/1/15/20	11/39/115/115	-
14	CLA	aB	1206	2	1/1/15/20	9/39/115/115	-
17	BCR	U	522	-	-	4/29/63/63	0/2/2/2
14	CLA	V	511	13	1/1/11/20	4/15/91/115	-
17	BCR	V	521	-	-	2/29/63/63	0/2/2/2
14	CLA	bA	1120	1	1/1/13/20	13/27/103/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	bA	1801	18	1/1/11/20	8/15/91/115	-
14	CLA	b6	513	13	1/1/12/20	3/21/97/115	-
19	LMU	aA	1848	-	-	5/15/35/61	0/1/1/2
17	BCR	a	524	-	-	0/29/63/63	0/2/2/2
14	CLA	aA	1114	-	1/1/11/20	6/15/91/115	-
14	CLA	X	517	-	1/1/11/20	9/15/91/115	-
14	CLA	b	519	13	1/1/11/20	8/15/91/115	-
14	CLA	cL	1503	-	1/1/15/20	9/39/115/115	-
14	CLA	h	503	13	1/1/11/20	2/15/91/115	-
14	CLA	T	511	13	1/1/11/20	5/15/91/115	-
14	CLA	c4	518	13	1/1/13/20	11/29/105/115	-
14	CLA	e	504	-	1/1/11/20	8/15/91/115	-
14	CLA	i	509	13	1/1/11/20	6/15/91/115	-
17	BCR	aA	4003	-	-	4/29/63/63	0/2/2/2
14	CLA	bB	1233	-	1/1/11/20	2/15/91/115	-
14	CLA	c6	518	13	1/1/12/20	9/21/97/115	-
14	CLA	bB	1205	2	1/1/15/20	14/39/115/115	-
19	LMU	cB	1843	-	-	9/21/61/61	0/2/2/2
14	CLA	c2	510	13	1/1/15/20	3/39/115/115	-
14	CLA	g	507	-	1/1/11/20	7/15/91/115	-
14	CLA	bB	1211	2	1/1/15/20	6/39/115/115	-
16	SF4	bC	3002	3	-	-	0/6/5/5
14	CLA	aA	1139	-	1/1/14/20	10/33/109/115	-
14	CLA	k	502	13	1/1/11/20	4/15/91/115	-
14	CLA	X	502	13	1/1/14/20	8/33/109/115	-
17	BCR	T	524	-	-	0/29/63/63	0/2/2/2
14	CLA	W	505	13	1/1/15/20	12/39/115/115	-
14	CLA	Z	502	13	1/1/13/20	6/29/105/115	-
14	CLA	m	518	13	1/1/11/20	5/15/91/115	-
16	SF4	aC	3002	3	-	-	0/6/5/5
14	CLA	a4	509	13	1/1/15/20	9/39/115/115	-
14	CLA	n	502	13	1/1/13/20	12/30/106/115	-
14	CLA	aB	1222	-	1/1/14/20	5/33/109/115	-
14	CLA	bA	1101	1	1/1/14/20	10/33/109/115	-
14	CLA	Y	501	13	1/1/15/20	15/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	b4	505	13	1/1/14/20	10/33/109/115	-
20	SQD	c2	822	-	-	10/26/46/69	0/1/1/1
14	CLA	g	504	-	1/1/11/20	6/15/91/115	-
14	CLA	bB	1238	-	1/1/15/20	5/39/115/115	-
14	CLA	cB	1211	2	1/1/15/20	11/39/115/115	-
17	BCR	b1	523	-	-	2/29/63/63	0/2/2/2
14	CLA	q	511	13	1/1/11/20	8/15/91/115	-
14	CLA	a4	518	13	1/1/13/20	15/30/106/115	-
17	BCR	aA	4002	-	-	4/29/63/63	0/2/2/2
14	CLA	a3	518	13	1/1/13/20	12/32/108/115	-
17	BCR	aL	4022	-	-	3/29/63/63	0/2/2/2
14	CLA	g	509	13	1/1/11/20	4/15/91/115	-
14	CLA	p	513	13	1/1/11/20	8/15/91/115	-
17	BCR	aI	4019	-	-	4/29/63/63	0/2/2/2
17	BCR	aK	4001	-	-	4/29/63/63	0/2/2/2
14	CLA	a6	508	13	1/1/13/20	6/27/103/115	-
14	CLA	bA	1011	1	1/1/15/20	6/39/115/115	-
17	BCR	cF	4015	-	-	1/29/63/63	0/2/2/2
17	BCR	c	521	-	-	4/29/63/63	0/2/2/2
14	CLA	j	502	13	1/1/11/20	2/15/91/115	-
14	CLA	Y	507	-	1/1/14/20	4/33/109/115	-
20	SQD	b1	822	-	-	6/26/46/69	0/1/1/1
14	CLA	aA	1124	-	1/1/13/20	5/29/105/115	-
14	CLA	a1	507	-	1/1/14/20	11/33/109/115	-
14	CLA	cA	1104	1	1/1/15/20	10/39/115/115	-
21	LMG	bB	5002	-	-	15/44/64/70	0/1/1/1
14	CLA	bA	1124	-	1/1/13/20	4/29/105/115	-
14	CLA	cB	1222	-	1/1/14/20	4/33/109/115	-
14	CLA	cB	1217	2	1/1/13/20	12/27/103/115	-
14	CLA	cB	1238	-	1/1/15/20	4/39/115/115	-
14	CLA	U	508	13	1/1/12/20	4/21/97/115	-
15	PQN	bA	2001	-	-	11/23/43/43	0/2/2/2
14	CLA	aJ	1303	8	1/1/13/20	11/30/106/115	-
20	SQD	c4	822	-	-	17/28/48/69	0/1/1/1

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	a6	518	13	1/1/12/20	6/21/97/115	-
17	BCR	cA	4003	-	-	4/29/63/63	0/2/2/2
14	CLA	cB	1232	-	1/1/11/20	9/15/91/115	-
14	CLA	p	503	13	1/1/11/20	2/15/91/115	-
21	LMG	aJ	5104	-	-	6/26/46/70	0/1/1/1
14	CLA	b3	519	13	1/1/12/20	3/24/100/115	-
14	CLA	a3	504	-	1/1/13/20	12/31/107/115	-
20	SQD	p	822	-	-	14/25/45/69	0/1/1/1
14	CLA	c1	518	13	1/1/13/20	9/27/103/115	-
14	CLA	k	513	13	1/1/11/20	3/15/91/115	-
17	BCR	c3	522	-	-	4/29/63/63	0/2/2/2
18	LHG	aA	5001	-	-	17/52/52/53	-
14	CLA	i	513	13	1/1/11/20	3/15/91/115	-
14	CLA	X	504	-	1/1/13/20	13/27/103/115	-
14	CLA	T	506	13	1/1/11/20	4/15/91/115	-
14	CLA	Y	502	13	1/1/14/20	9/33/109/115	-
14	CLA	a1	513	13	1/1/12/20	3/21/97/115	-
17	BCR	k	523	-	-	2/29/63/63	0/2/2/2
14	CLA	aB	1238	-	1/1/15/20	7/39/115/115	-
14	CLA	o	501	13	1/1/11/20	11/17/93/115	-
14	CLA	c1	503	13	1/1/14/20	10/37/113/115	-
14	CLA	bA	1119	-	1/1/15/20	12/39/115/115	-
14	CLA	a3	517	-	1/1/11/20	9/15/91/115	-
17	BCR	bA	4011	-	-	6/29/63/63	0/2/2/2
14	CLA	aB	1216	-	1/1/14/20	9/33/109/115	-
14	CLA	bB	1214	2	1/1/15/20	15/39/115/115	-
14	CLA	bB	1204	2	1/1/14/20	1/33/109/115	-
14	CLA	T	512	13	1/1/11/20	6/15/91/115	-
17	BCR	bF	4015	-	-	1/29/63/63	0/2/2/2
14	CLA	a4	513	13	1/1/12/20	2/21/97/115	-
14	CLA	d	511	13	1/1/11/20	2/15/91/115	-
17	BCR	b4	522	-	-	4/29/63/63	0/2/2/2
14	CLA	m	519	13	1/1/11/20	5/15/91/115	-
14	CLA	a1	517	-	1/1/11/20	9/15/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
20	SQD	q	822	-	-	7/19/39/69	0/1/1/1
14	CLA	c2	511	13	1/1/11/20	2/15/91/115	-
17	BCR	c4	522	-	-	4/29/63/63	0/2/2/2
14	CLA	c5	513	13	1/1/13/20	5/27/103/115	-
14	CLA	Z	518	13	1/1/13/20	7/27/103/115	-
14	CLA	bK	1103	9	1/1/9/20	7/9/81/115	-
14	CLA	b5	504	-	1/1/13/20	11/27/103/115	-
14	CLA	b1	506	13	1/1/11/20	6/15/91/115	-
14	CLA	X	508	13	1/1/11/20	4/15/91/115	-
14	CLA	b4	513	13	1/1/11/20	4/15/91/115	-
14	CLA	aA	1131	1	1/1/15/20	13/39/115/115	-
14	CLA	b1	505	13	1/1/15/20	15/39/115/115	-
14	CLA	a	510	13	1/1/11/20	6/15/91/115	-
14	CLA	V	519	13	1/1/11/20	6/15/91/115	-
17	BCR	bJ	4013	-	-	8/29/63/63	0/2/2/2
17	BCR	e	522	-	-	4/29/63/63	0/2/2/2
17	BCR	a2	521	-	-	7/29/63/63	0/2/2/2
14	CLA	b	518	13	1/1/12/20	7/21/97/115	-
14	CLA	cA	1013	-	1/1/15/20	9/39/115/115	-
14	CLA	aB	1209	2	1/1/12/20	12/25/101/115	-
14	CLA	b3	518	13	1/1/13/20	15/29/105/115	-
14	CLA	b4	502	13	1/1/14/20	12/33/109/115	-
14	CLA	c6	504	-	1/1/11/20	5/15/91/115	-
14	CLA	h	507	-	1/1/11/20	4/15/91/115	-
14	CLA	S	503	13	1/1/14/20	3/33/109/115	-
14	CLA	cA	1136	1	1/1/15/20	11/39/115/115	-
14	CLA	Z	510	13	1/1/15/20	6/39/115/115	-
14	CLA	aB	1232	-	1/1/11/20	9/15/91/115	-
14	CLA	j	505	13	1/1/11/20	5/15/91/115	-
14	CLA	aB	1227	2	1/1/12/20	10/26/102/115	-
14	CLA	f	503	13	1/1/11/20	3/15/91/115	-
17	BCR	X	523	-	-	2/29/63/63	0/2/2/2
14	CLA	n	510	13	1/1/11/20	4/15/91/115	-
14	CLA	bB	1236	2	1/1/12/20	4/21/97/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	e	513	13	1/1/11/20	5/15/91/115	-
17	BCR	Z	523	-	-	5/29/63/63	0/2/2/2
14	CLA	T	509	13	1/1/14/20	7/35/111/115	-
14	CLA	bA	1118	1	1/1/14/20	12/33/109/115	-
17	BCR	cA	4008	-	-	2/29/63/63	0/2/2/2
14	CLA	aB	1207	2	1/1/15/20	12/39/115/115	-
14	CLA	W	511	13	1/1/11/20	8/15/91/115	-
14	CLA	aB	1204	2	1/1/14/20	1/33/109/115	-
14	CLA	aA	1130	1	1/1/13/20	5/27/103/115	-
14	CLA	b2	504	-	1/1/11/20	3/15/91/115	-
17	BCR	o	523	-	-	4/29/63/63	0/2/2/2
14	CLA	aB	1213	2	1/1/15/20	11/39/115/115	-
14	CLA	b4	501	13	1/1/15/20	16/39/115/115	-
14	CLA	cB	1219	-	1/1/12/20	7/24/100/115	-
14	CLA	V	517	-	1/1/11/20	11/15/91/115	-
14	CLA	m	509	13	1/1/11/20	4/15/91/115	-
14	CLA	bB	1210	2	1/1/15/20	19/39/115/115	-
14	CLA	bA	1103	1	1/1/15/20	10/39/115/115	-
17	BCR	h	522	-	-	5/29/63/63	0/2/2/2
14	CLA	Y	512	13	1/1/11/20	7/15/91/115	-
17	BCR	cJ	4013	-	-	6/29/63/63	0/2/2/2
14	CLA	i	512	13	1/1/11/20	6/15/91/115	-
14	CLA	b2	509	13	1/1/15/20	5/39/115/115	-
18	LHG	cA	5002	-	-	14/46/46/53	-
14	CLA	Z	506	13	1/1/11/20	8/15/91/115	-
17	BCR	c5	523	-	-	0/29/63/63	0/2/2/2
14	CLA	q	506	13	1/1/11/20	4/15/91/115	-
14	CLA	U	503	13	1/1/11/20	2/15/91/115	-
14	CLA	f	505	13	1/1/11/20	3/15/91/115	-
14	CLA	V	501	13	1/1/14/20	13/36/112/115	-
14	CLA	b	504	-	1/1/12/20	9/21/97/115	-
14	CLA	cB	1012	-	1/1/14/20	16/36/112/115	-
14	CLA	j	507	-	1/1/11/20	4/15/91/115	-
14	CLA	aB	1226	2	1/1/15/20	9/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	g	517	-	1/1/11/20	11/15/91/115	-
14	CLA	a5	502	13	1/1/14/20	13/33/109/115	-
14	CLA	T	517	-	1/1/11/20	11/15/91/115	-
14	CLA	b	513	13	1/1/11/20	3/15/91/115	-
14	CLA	bB	1201	2	1/1/13/20	6/30/106/115	-
14	CLA	m	507	-	1/1/11/20	8/15/91/115	-
14	CLA	b4	510	13	1/1/15/20	10/39/115/115	-
14	CLA	bA	1132	1	1/1/15/20	13/39/115/115	-
14	CLA	b5	517	-	1/1/11/20	3/15/91/115	-
14	CLA	cA	1107	1	1/1/13/20	9/27/103/115	-
14	CLA	b6	510	13	1/1/15/20	8/39/115/115	-
14	CLA	a3	507	-	1/1/14/20	11/36/112/115	-
14	CLA	aB	1236	2	1/1/12/20	4/21/97/115	-
14	CLA	Y	510	13	1/1/15/20	8/39/115/115	-
20	SQD	S	822	-	-	8/26/46/69	0/1/1/1
14	CLA	cB	1226	2	1/1/15/20	10/39/115/115	-
17	BCR	b6	523	-	-	1/29/63/63	0/2/2/2
14	CLA	d	508	13	1/1/13/20	3/27/103/115	-
14	CLA	c2	517	-	1/1/11/20	9/15/91/115	-
14	CLA	h	512	13	1/1/11/20	8/15/91/115	-
14	CLA	a5	510	13	1/1/15/20	8/39/115/115	-
14	CLA	aB	1221	2	1/1/14/20	10/33/109/115	-
14	CLA	o	504	-	1/1/11/20	5/15/91/115	-
17	BCR	j	522	-	-	2/29/63/63	0/2/2/2
14	CLA	a2	510	13	1/1/15/20	8/39/115/115	-
17	BCR	aI	4018	-	-	6/29/63/63	0/2/2/2
14	CLA	a	511	13	1/1/11/20	4/15/91/115	-
14	CLA	c3	516	13	1/1/11/20	2/15/91/115	-
17	BCR	c2	521	-	-	5/29/63/63	0/2/2/2
14	CLA	cA	1237	-	1/1/15/20	14/39/115/115	-
17	BCR	a5	522	-	-	5/29/63/63	0/2/2/2
17	BCR	bA	4007	-	-	2/29/63/63	0/2/2/2
14	CLA	cB	1234	2	1/1/14/20	9/33/109/115	-
14	CLA	c	511	13	1/1/11/20	6/15/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
20	SQD	a5	822	-	-	15/28/48/69	0/1/1/1
14	CLA	U	509	13	1/1/11/20	2/15/91/115	-
14	CLA	p	516	13	1/1/11/20	2/15/91/115	-
14	CLA	cB	1233	-	1/1/11/20	2/15/91/115	-
14	CLA	a	504	-	1/1/11/20	9/15/91/115	-
14	CLA	cB	1225	2	1/1/15/20	14/39/115/115	-
14	CLA	b1	509	13	1/1/15/20	3/39/115/115	-
14	CLA	m	501	13	1/1/11/20	10/15/91/115	-
17	BCR	b5	522	-	-	5/29/63/63	0/2/2/2
14	CLA	n	511	13	1/1/11/20	7/15/91/115	-
14	CLA	b4	503	13	1/1/15/20	4/39/115/115	-
14	CLA	S	510	13	1/1/13/20	10/27/103/115	-
14	CLA	b1	512	13	1/1/12/20	7/25/101/115	-
17	BCR	cF	4016	-	-	2/29/63/63	0/2/2/2
20	SQD	b5	822	-	-	8/25/45/69	0/1/1/1
14	CLA	bB	1207	2	1/1/15/20	10/39/115/115	-
14	CLA	bA	1109	1	1/1/15/20	11/39/115/115	-
17	BCR	cA	4011	-	-	8/29/63/63	0/2/2/2
14	CLA	Y	503	13	1/1/14/20	6/37/113/115	-
14	CLA	c4	511	13	1/1/11/20	5/15/91/115	-
14	CLA	V	518	13	1/1/11/20	5/15/91/115	-
14	CLA	n	509	13	1/1/14/20	11/33/109/115	-
14	CLA	b3	513	13	1/1/12/20	3/21/97/115	-
14	CLA	cA	1108	1	1/1/11/20	2/15/91/115	-
14	CLA	j	509	13	1/1/14/20	4/33/109/115	-
14	CLA	cA	1103	1	1/1/15/20	13/39/115/115	-
17	BCR	X	522	-	-	5/29/63/63	0/2/2/2
17	BCR	cL	4022	-	-	3/29/63/63	0/2/2/2
14	CLA	cB	1201	2	1/1/13/20	7/30/106/115	-
14	CLA	a4	508	13	1/1/15/20	8/39/115/115	-
14	CLA	c6	513	13	1/1/11/20	3/15/91/115	-
17	BCR	aJ	4013	-	-	7/29/63/63	0/2/2/2
14	CLA	S	506	13	1/1/11/20	4/15/91/115	-
14	CLA	i	516	13	1/1/11/20	8/15/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	cB	1223	2	1/1/15/20	8/39/115/115	-
17	BCR	c5	522	-	-	3/29/63/63	0/2/2/2
20	SQD	b2	822	-	-	8/27/47/69	0/1/1/1
14	CLA	b6	512	13	1/1/11/20	8/15/91/115	-
14	CLA	d	504	-	1/1/11/20	2/15/91/115	-
14	CLA	a2	507	-	1/1/14/20	7/35/111/115	-
20	SQD	m	822	-	-	9/23/43/69	0/1/1/1
14	CLA	bB	1224	2	1/1/13/20	13/30/106/115	-
17	BCR	cI	4020	-	-	3/29/63/63	0/2/2/2
14	CLA	b4	506	13	1/1/11/20	4/15/91/115	-
14	CLA	Y	513	13	1/1/11/20	1/15/91/115	-
14	CLA	e	512	13	1/1/11/20	9/15/91/115	-
17	BCR	b1	522	-	-	5/29/63/63	0/2/2/2
14	CLA	bA	1104	1	1/1/15/20	12/39/115/115	-
14	CLA	b6	506	13	1/1/11/20	6/15/91/115	-
14	CLA	b6	502	13	1/1/14/20	10/33/109/115	-
14	CLA	k	512	13	1/1/11/20	8/15/91/115	-
14	CLA	bB	1231	2	1/1/13/20	10/27/103/115	-
17	BCR	a4	523	-	-	4/29/63/63	0/2/2/2
17	BCR	bA	4008	-	-	2/29/63/63	0/2/2/2
14	CLA	b2	517	-	1/1/11/20	10/15/91/115	-
14	CLA	h	504	-	1/1/11/20	4/15/91/115	-
14	CLA	c2	519	13	1/1/12/20	4/21/97/115	-
14	CLA	a2	517	-	1/1/11/20	8/15/91/115	-
14	CLA	bJ	1302	8	1/1/11/20	7/18/94/115	-
17	BCR	c	524	-	-	0/29/63/63	0/2/2/2
17	BCR	cF	4014	-	-	5/29/63/63	0/2/2/2
14	CLA	V	504	-	1/1/13/20	10/27/103/115	-
14	CLA	d	512	13	1/1/11/20	4/15/91/115	-
14	CLA	bA	1115	1	1/1/14/20	11/33/109/115	-
17	BCR	c4	521	-	-	5/29/63/63	0/2/2/2
14	CLA	b1	513	13	1/1/12/20	4/21/97/115	-
14	CLA	q	502	13	1/1/11/20	6/15/91/115	-
14	CLA	bB	1217	2	1/1/13/20	11/27/103/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	a2	511	13	1/1/12/20	5/23/99/115	-
21	LMG	cJ	5104	-	-	6/26/46/70	0/1/1/1
14	CLA	m	517	-	1/1/11/20	8/15/91/115	-
20	SQD	T	822	-	-	7/26/46/69	0/1/1/1
14	CLA	o	519	13	1/1/11/20	0/15/91/115	-
17	BCR	q	524	-	-	0/29/63/63	0/2/2/2
14	CLA	m	503	13	1/1/11/20	6/15/91/115	-
14	CLA	X	501	13	1/1/15/20	14/39/115/115	-
17	BCR	b1	524	-	-	0/29/63/63	0/2/2/2
14	CLA	c4	516	13	1/1/11/20	5/15/91/115	-
14	CLA	Y	516	13	1/1/11/20	7/15/91/115	-
14	CLA	k	505	13	1/1/11/20	5/15/91/115	-
17	BCR	m	521	-	-	2/29/63/63	0/2/2/2
14	CLA	aA	1122	1	1/1/14/20	9/33/109/115	-
14	CLA	k	504	-	1/1/11/20	6/15/91/115	-
14	CLA	bB	1216	-	1/1/13/20	7/27/103/115	-
20	SQD	a4	822	-	-	14/31/51/69	0/1/1/1
14	CLA	Z	505	13	1/1/15/20	13/39/115/115	-
14	CLA	j	513	13	1/1/12/20	7/21/97/115	-
15	PQN	cB	2002	-	-	9/23/43/43	0/2/2/2
14	CLA	S	509	13	1/1/15/20	8/39/115/115	-
14	CLA	aA	1013	-	1/1/15/20	8/39/115/115	-
14	CLA	T	504	-	1/1/11/20	9/15/91/115	-
14	CLA	S	511	13	1/1/12/20	6/21/97/115	-
14	CLA	c5	501	13	1/1/15/20	19/39/115/115	-
14	CLA	bA	1022	-	1/1/15/20	9/39/115/115	-
18	LHG	bA	5005	-	-	17/43/43/53	-
15	PQN	aA	2001	-	-	12/23/43/43	0/2/2/2
20	SQD	c3	822	-	-	13/27/47/69	0/1/1/1
14	CLA	cA	1135	1	1/1/12/20	11/23/99/115	-
14	CLA	c3	501	13	1/1/15/20	14/39/115/115	-
14	CLA	g	503	13	1/1/11/20	2/15/91/115	-
14	CLA	S	512	13	1/1/11/20	4/15/91/115	-
17	BCR	Z	522	-	-	4/29/63/63	0/2/2/2
14	CLA	c5	508	13	1/1/13/20	7/27/103/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	o	516	13	1/1/11/20	10/15/91/115	-
14	CLA	aA	1123	-	1/1/15/20	11/39/115/115	-
17	BCR	bB	4005	-	-	2/29/63/63	0/2/2/2
21	LMG	a1	5104	-	-	5/35/55/70	0/1/1/1
14	CLA	cJ	1303	8	1/1/13/20	12/30/106/115	-
20	SQD	W	822	-	-	8/27/47/69	0/1/1/1
14	CLA	bB	1220	2	1/1/12/20	2/21/97/115	-
14	CLA	b6	503	13	1/1/15/20	13/39/115/115	-
17	BCR	c1	521	-	-	5/29/63/63	0/2/2/2
14	CLA	a5	503	13	1/1/15/20	14/39/115/115	-
14	CLA	q	501	13	1/1/13/20	14/30/106/115	-
17	BCR	b2	523	-	-	1/29/63/63	0/2/2/2
17	BCR	b3	522	-	-	4/29/63/63	0/2/2/2
14	CLA	Z	513	13	1/1/12/20	3/21/97/115	-
14	CLA	b5	507	-	1/1/14/20	5/35/111/115	-
17	BCR	a2	523	-	-	0/29/63/63	0/2/2/2
14	CLA	a5	511	13	1/1/11/20	3/15/91/115	-
14	CLA	cF	1301	-	1/1/11/20	2/15/91/115	-
14	CLA	b	508	13	1/1/11/20	4/15/91/115	-
14	CLA	c2	518	13	1/1/13/20	5/27/103/115	-
14	CLA	c	509	13	1/1/14/20	7/36/112/115	-
14	CLA	o	517	-	1/1/11/20	6/15/91/115	-
17	BCR	c6	521	-	-	5/29/63/63	0/2/2/2
17	BCR	b4	524	-	-	0/29/63/63	0/2/2/2
14	CLA	cA	1106	1	1/1/15/20	21/39/115/115	-
14	CLA	aB	1021	2	1/1/15/20	12/39/115/115	-
14	CLA	S	505	13	1/1/13/20	6/27/103/115	-
14	CLA	c6	505	13	1/1/14/20	8/33/109/115	-
17	BCR	q	523	-	-	4/29/63/63	0/2/2/2
14	CLA	c6	503	13	1/1/15/20	14/39/115/115	-
19	LMU	aA	1849	-	-	7/14/34/61	0/1/1/2
14	CLA	c5	512	13	1/1/12/20	12/24/100/115	-
17	BCR	a2	524	-	-	0/29/63/63	0/2/2/2
14	CLA	Y	506	13	1/1/11/20	6/15/91/115	-
14	CLA	d	519	13	1/1/11/20	4/15/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	k	503	13	1/1/11/20	0/15/91/115	-
14	CLA	a1	506	13	1/1/11/20	4/15/91/115	-
14	CLA	U	512	13	1/1/11/20	6/15/91/115	-
14	CLA	Y	505	13	1/1/15/20	16/39/115/115	-
14	CLA	a5	513	13	1/1/13/20	3/27/103/115	-
14	CLA	b2	519	13	1/1/12/20	6/21/97/115	-
14	CLA	b4	517	-	1/1/11/20	8/15/91/115	-
14	CLA	aB	1214	2	1/1/15/20	15/39/115/115	-
14	CLA	cA	1011	1	1/1/15/20	9/39/115/115	-
17	BCR	b3	523	-	-	1/29/63/63	0/2/2/2
14	CLA	cA	1137	1	1/1/13/20	9/27/103/115	-
14	CLA	a4	506	13	1/1/11/20	6/15/91/115	-
14	CLA	cA	1124	-	1/1/13/20	4/29/105/115	-
14	CLA	bA	1137	1	1/1/13/20	10/27/103/115	-
14	CLA	b2	507	-	1/1/14/20	9/37/113/115	-
14	CLA	p	511	13	1/1/11/20	4/15/91/115	-
18	LHG	aX	4021	-	-	12/43/43/53	-
14	CLA	a3	511	13	1/1/14/20	14/36/112/115	-
14	CLA	q	508	13	1/1/11/20	2/15/91/115	-
14	CLA	a5	517	-	1/1/11/20	7/15/91/115	-
14	CLA	c	504	-	1/1/11/20	4/15/91/115	-
14	CLA	j	503	13	1/1/11/20	2/15/91/115	-
14	CLA	f	518	13	1/1/11/20	8/15/91/115	-
14	CLA	c1	512	13	1/1/12/20	9/25/101/115	-
14	CLA	aB	1220	2	1/1/12/20	2/21/97/115	-
14	CLA	bA	1127	1	1/1/15/20	4/39/115/115	-
17	BCR	h	524	-	-	0/29/63/63	0/2/2/2
14	CLA	bA	1113	1	1/1/12/20	5/21/97/115	-
14	CLA	f	506	13	1/1/11/20	4/15/91/115	-
14	CLA	aK	1401	-	1/1/13/20	9/27/103/115	-
14	CLA	bB	1228	2	1/1/13/20	5/29/105/115	-
14	CLA	c6	502	13	1/1/14/20	11/33/109/115	-
14	CLA	o	508	13	1/1/11/20	3/15/91/115	-
20	SQD	h	822	-	-	11/27/47/69	0/1/1/1
14	CLA	aA	1120	1	1/1/13/20	9/27/103/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	cL	1502	10	1/1/14/20	7/33/109/115	-
20	SQD	b3	822	-	-	17/32/52/69	0/1/1/1
14	CLA	aA	1801	18	1/1/11/20	8/15/91/115	-
14	CLA	k	509	13	1/1/11/20	5/15/91/115	-
14	CLA	i	505	13	1/1/13/20	7/27/103/115	-
17	BCR	a6	521	-	-	5/29/63/63	0/2/2/2
14	CLA	cA	1117	1	1/1/15/20	13/39/115/115	-
14	CLA	c1	505	13	1/1/15/20	12/39/115/115	-
14	CLA	b	516	13	1/1/11/20	4/15/91/115	-
14	CLA	bB	1218	2	1/1/14/20	11/33/109/115	-
14	CLA	a2	504	-	1/1/11/20	4/18/94/115	-
14	CLA	d	501	13	1/1/11/20	10/15/91/115	-
14	CLA	b3	516	13	1/1/11/20	5/15/91/115	-
17	BCR	S	522	-	-	5/29/63/63	0/2/2/2
14	CLA	e	502	13	1/1/11/20	4/15/91/115	-
14	CLA	aA	1118	1	1/1/14/20	12/33/109/115	-
19	LMU	bA	1849	-	-	7/14/34/61	0/1/1/2
14	CLA	bB	1021	2	1/1/15/20	14/39/115/115	-
17	BCR	q	521	-	-	4/29/63/63	0/2/2/2
14	CLA	bB	1235	2	1/1/15/20	10/39/115/115	-
14	CLA	b3	504	-	1/1/13/20	15/30/106/115	-
14	CLA	cK	1103	9	1/1/9/20	7/9/81/115	-
14	CLA	a1	512	13	1/1/12/20	10/25/101/115	-
14	CLA	X	503	13	1/1/14/20	9/37/113/115	-
17	BCR	aF	4015	-	-	1/29/63/63	0/2/2/2
14	CLA	U	506	13	1/1/11/20	6/15/91/115	-
14	CLA	S	501	13	1/1/11/20	5/15/91/115	-
14	CLA	k	508	13	1/1/11/20	3/15/91/115	-
17	BCR	bJ	4012	-	-	4/29/63/63	0/2/2/2
17	BCR	cI	4018	-	-	6/29/63/63	0/2/2/2
14	CLA	aA	1103	1	1/1/15/20	12/39/115/115	-
14	CLA	g	513	13	1/1/11/20	4/15/91/115	-
14	CLA	p	501	13	1/1/11/20	9/15/91/115	-
14	CLA	a	501	13	1/1/14/20	9/33/109/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
17	BCR	bI	4019	-	-	4/29/63/63	0/2/2/2
14	CLA	b6	508	13	1/1/12/20	4/23/99/115	-
14	CLA	a3	519	13	1/1/13/20	11/27/103/115	-
14	CLA	W	508	13	1/1/12/20	2/23/99/115	-
14	CLA	a6	517	-	1/1/11/20	8/15/91/115	-
14	CLA	cA	1101	1	1/1/14/20	10/33/109/115	-
19	LMU	cA	1848	-	-	4/15/35/61	0/1/1/2
14	CLA	c5	503	13	1/1/15/20	15/39/115/115	-
14	CLA	b6	501	13	1/1/15/20	14/39/115/115	-
17	BCR	p	524	-	-	0/29/63/63	0/2/2/2
14	CLA	aB	1228	2	1/1/13/20	4/29/105/115	-
17	BCR	V	522	-	-	5/29/63/63	0/2/2/2
14	CLA	h	505	13	1/1/11/20	3/15/91/115	-
14	CLA	bA	1114	-	1/1/11/20	6/15/91/115	-
14	CLA	aK	1103	9	1/1/9/20	7/9/81/115	-
14	CLA	a	507	-	1/1/11/20	4/15/91/115	-
14	CLA	a1	505	13	1/1/15/20	12/39/115/115	-
14	CLA	a5	501	13	1/1/15/20	13/39/115/115	-
17	BCR	d	523	-	-	7/29/63/63	0/2/2/2
14	CLA	V	508	13	1/1/12/20	4/24/100/115	-
14	CLA	cJ	1302	8	1/1/11/20	12/20/96/115	-
17	BCR	c6	523	-	-	6/29/63/63	0/2/2/2
14	CLA	a5	505	13	1/1/15/20	14/39/115/115	-
14	CLA	cB	1212	2	1/1/11/20	2/15/91/115	-
17	BCR	l	523	-	-	2/29/63/63	0/2/2/2
14	CLA	bB	1225	2	1/1/15/20	13/39/115/115	-
14	CLA	W	519	13	1/1/11/20	2/15/91/115	-
17	BCR	W	523	-	-	7/29/63/63	0/2/2/2
14	CLA	b	503	13	1/1/13/20	6/30/106/115	-
14	CLA	V	513	13	1/1/12/20	5/21/97/115	-
14	CLA	b5	501	13	1/1/15/20	13/39/115/115	-
14	CLA	c4	509	13	1/1/15/20	6/39/115/115	-
20	SQD	c6	822	-	-	9/25/45/69	0/1/1/1
14	CLA	b4	512	13	1/1/11/20	5/15/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	Y	509	13	1/1/14/20	9/36/112/115	-
14	CLA	p	517	-	1/1/11/20	6/15/91/115	-
14	CLA	a4	517	-	1/1/11/20	6/15/91/115	-
14	CLA	a3	502	13	1/1/14/20	9/33/109/115	-
14	CLA	aA	1127	1	1/1/15/20	4/39/115/115	-
14	CLA	Y	518	13	1/1/13/20	16/29/105/115	-
17	BCR	V	523	-	-	4/29/63/63	0/2/2/2
14	CLA	a6	507	-	1/1/14/20	7/36/112/115	-
14	CLA	cB	1227	2	1/1/12/20	11/26/102/115	-
17	BCR	bK	4001	-	-	3/29/63/63	0/2/2/2
17	BCR	e	523	-	-	0/29/63/63	0/2/2/2
14	CLA	a4	503	13	1/1/15/20	7/39/115/115	-
14	CLA	e	503	13	1/1/11/20	6/15/91/115	-
14	CLA	a2	512	13	1/1/12/20	8/25/101/115	-
14	CLA	b2	518	13	1/1/13/20	5/27/103/115	-
14	CLA	aB	1218	2	1/1/14/20	13/33/109/115	-
14	CLA	aB	1210	2	1/1/15/20	18/39/115/115	-
14	CLA	bB	1230	2	1/1/13/20	10/31/107/115	-
14	CLA	bL	1501	10	1/1/15/20	12/39/115/115	-
14	CLA	b2	501	13	1/1/15/20	16/39/115/115	-
17	BCR	aA	4007	-	-	2/29/63/63	0/2/2/2
14	CLA	cB	1204	2	1/1/14/20	3/33/109/115	-
14	CLA	V	512	13	1/1/11/20	8/15/91/115	-
20	SQD	e	822	-	-	12/27/47/69	0/1/1/1
14	CLA	cA	1134	1	1/1/12/20	7/23/99/115	-
14	CLA	o	509	13	1/1/11/20	2/15/91/115	-
19	LMU	cA	1849	-	-	7/14/34/61	0/1/1/2
14	CLA	o	511	13	1/1/11/20	7/15/91/115	-
14	CLA	T	513	13	1/1/12/20	3/21/97/115	-
17	BCR	S	523	-	-	4/29/63/63	0/2/2/2
14	CLA	c3	509	13	1/1/15/20	6/39/115/115	-
14	CLA	c2	504	-	1/1/11/20	2/15/91/115	-
14	CLA	a6	511	13	1/1/11/20	6/15/91/115	-
14	CLA	c5	502	13	1/1/14/20	11/33/109/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	cK	1401	-	1/1/13/20	7/27/103/115	-
14	CLA	m	516	13	1/1/11/20	5/15/91/115	-
14	CLA	cA	1129	1	1/1/12/20	9/24/100/115	-
17	BCR	n	522	-	-	3/29/63/63	0/2/2/2
14	CLA	f	509	13	1/1/11/20	2/15/91/115	-
14	CLA	b4	509	13	1/1/15/20	8/39/115/115	-
14	CLA	a6	502	13	1/1/14/20	11/33/109/115	-
14	CLA	cA	1140	1	1/1/15/20	15/39/115/115	-
14	CLA	n	508	13	1/1/11/20	0/15/91/115	-
14	CLA	b6	509	13	1/1/15/20	2/39/115/115	-
17	BCR	a1	522	-	-	5/29/63/63	0/2/2/2
14	CLA	W	509	13	1/1/14/20	5/36/112/115	-
14	CLA	m	510	13	1/1/11/20	4/15/91/115	-
14	CLA	j	508	13	1/1/11/20	0/15/91/115	-
14	CLA	bB	1229	2	1/1/15/20	11/39/115/115	-
14	CLA	b	501	13	1/1/11/20	9/15/91/115	-
14	CLA	g	505	13	1/1/15/20	14/39/115/115	-
20	SQD	c1	822	-	-	7/26/46/69	0/1/1/1
14	CLA	T	501	13	1/1/12/20	12/21/97/115	-
17	BCR	cI	4019	-	-	4/29/63/63	0/2/2/2
14	CLA	b3	501	13	1/1/15/20	12/39/115/115	-
14	CLA	d	506	13	1/1/11/20	6/15/91/115	-
14	CLA	aB	1205	2	1/1/15/20	13/39/115/115	-
17	BCR	a3	523	-	-	5/29/63/63	0/2/2/2
14	CLA	c4	513	13	1/1/11/20	2/15/91/115	-
17	BCR	a5	521	-	-	3/29/63/63	0/2/2/2
14	CLA	cA	1114	-	1/1/11/20	6/15/91/115	-
14	CLA	c6	506	13	1/1/11/20	8/15/91/115	-
14	CLA	bX	1401	12	1/1/11/20	7/15/91/115	-
14	CLA	c3	517	-	1/1/11/20	9/15/91/115	-
14	CLA	e	509	13	1/1/11/20	2/15/91/115	-
14	CLA	cB	1220	2	1/1/11/20	2/18/94/115	-
14	CLA	aB	1224	2	1/1/13/20	14/30/106/115	-
17	BCR	n	523	-	-	4/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	S	504	-	1/1/11/20	8/15/91/115	-
14	CLA	b	507	-	1/1/11/20	6/15/91/115	-
14	CLA	a4	501	13	1/1/15/20	16/39/115/115	-
14	CLA	f	507	-	1/1/11/20	4/15/91/115	-
14	CLA	p	504	-	1/1/11/20	9/15/91/115	-
14	CLA	cA	1112	1	1/1/11/20	4/19/95/115	-
14	CLA	b3	507	-	1/1/14/20	5/33/109/115	-
17	BCR	X	524	-	-	0/29/63/63	0/2/2/2
14	CLA	l	503	13	1/1/11/20	2/15/91/115	-
14	CLA	m	513	13	1/1/12/20	7/24/100/115	-
14	CLA	aA	1104	1	1/1/15/20	10/39/115/115	-
14	CLA	m	506	13	1/1/11/20	6/15/91/115	-
14	CLA	n	512	13	1/1/11/20	6/15/91/115	-
17	BCR	U	524	-	-	2/29/63/63	0/2/2/2
14	CLA	cA	1111	1	1/1/13/20	11/27/103/115	-
14	CLA	V	506	13	1/1/11/20	4/15/91/115	-
14	CLA	cB	1023	-	1/1/15/20	10/39/115/115	-
14	CLA	b6	504	-	1/1/13/20	7/27/103/115	-
14	CLA	b2	505	13	1/1/15/20	15/39/115/115	-
14	CLA	bB	1202	2	1/1/15/20	11/39/115/115	-
14	CLA	l	509	13	1/1/11/20	4/15/91/115	-
14	CLA	b2	503	13	1/1/15/20	4/39/115/115	-
14	CLA	h	517	-	1/1/11/20	11/15/91/115	-
20	SQD	Z	822	-	-	9/24/44/69	0/1/1/1
19	LMU	cJ	5105	-	-	4/12/32/61	0/1/1/2
17	BCR	a	523	-	-	4/29/63/63	0/2/2/2
17	BCR	c5	524	-	-	0/29/63/63	0/2/2/2
14	CLA	bA	1131	1	1/1/15/20	9/39/115/115	-
14	CLA	a	503	13	1/1/14/20	6/37/113/115	-
17	BCR	d	521	-	-	4/29/63/63	0/2/2/2
14	CLA	b3	517	-	1/1/11/20	6/15/91/115	-
20	SQD	n	822	-	-	16/25/45/69	0/1/1/1
17	BCR	bB	4017	-	-	2/29/63/63	0/2/2/2
14	CLA	a1	518	13	1/1/13/20	10/27/103/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
17	BCR	b2	521	-	-	7/29/63/63	0/2/2/2
14	CLA	Z	516	13	1/1/11/20	9/15/91/115	-
14	CLA	l	507	-	1/1/11/20	6/15/91/115	-
14	CLA	q	504	-	1/1/11/20	9/15/91/115	-
14	CLA	bA	1237	-	1/1/15/20	14/39/115/115	-
14	CLA	f	504	-	1/1/11/20	9/15/91/115	-
14	CLA	j	512	13	1/1/11/20	6/15/91/115	-
14	CLA	cA	1109	1	1/1/15/20	11/39/115/115	-
14	CLA	a6	504	-	1/1/14/20	16/36/112/115	-
14	CLA	bB	1209	2	1/1/12/20	12/25/101/115	-
14	CLA	aX	1401	12	1/1/11/20	7/15/91/115	-
16	SF4	aA	3001	2,1	-	-	0/6/5/5
14	CLA	V	503	13	1/1/11/20	4/15/91/115	-
17	BCR	a2	522	-	-	6/29/63/63	0/2/2/2
17	BCR	cB	4009	-	-	6/29/63/63	0/2/2/2
14	CLA	b	502	13	1/1/11/20	4/15/91/115	-
14	CLA	a5	518	13	1/1/13/20	10/30/106/115	-
14	CLA	a2	508	13	1/1/13/20	5/27/103/115	-
14	CLA	c1	513	13	1/1/12/20	1/24/100/115	-
14	CLA	b3	502	13	1/1/14/20	13/33/109/115	-
14	CLA	bA	1138	1	1/1/15/20	11/39/115/115	-
14	CLA	T	505	13	1/1/12/20	6/24/100/115	-
14	CLA	a4	504	-	1/1/12/20	4/25/101/115	-
14	CLA	Z	517	-	1/1/11/20	8/15/91/115	-
14	CLA	aA	1022	-	1/1/15/20	8/39/115/115	-
19	LMU	aJ	5105	-	-	5/13/33/61	0/1/1/2
14	CLA	cA	1130	1	1/1/12/20	6/24/100/115	-
17	BCR	Y	523	-	-	2/29/63/63	0/2/2/2
14	CLA	b5	518	13	1/1/13/20	5/27/103/115	-
14	CLA	q	517	-	1/1/11/20	8/15/91/115	-
14	CLA	h	511	13	1/1/11/20	5/15/91/115	-
17	BCR	aB	4010	-	-	0/29/63/63	0/2/2/2
14	CLA	aA	1117	1	1/1/15/20	14/39/115/115	-
14	CLA	a1	510	13	1/1/15/20	8/39/115/115	-
14	CLA	X	509	13	1/1/15/20	6/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	m	511	13	1/1/11/20	4/15/91/115	-
14	CLA	c	507	-	1/1/11/20	4/15/91/115	-
14	CLA	l	501	13	1/1/11/20	9/15/91/115	-
14	CLA	a3	506	13	1/1/11/20	6/15/91/115	-
14	CLA	aB	1202	2	1/1/15/20	11/39/115/115	-
14	CLA	aB	1215	2	1/1/14/20	7/35/111/115	-
14	CLA	q	505	13	1/1/13/20	7/27/103/115	-
17	BCR	Y	524	-	-	0/29/63/63	0/2/2/2
16	SF4	cC	3002	3	-	-	0/6/5/5
20	SQD	Y	822	-	-	10/28/48/69	0/1/1/1
14	CLA	e	518	13	1/1/11/20	5/15/91/115	-
14	CLA	b4	516	13	1/1/11/20	5/15/91/115	-
14	CLA	a4	507	-	1/1/14/20	9/36/112/115	-
17	BCR	a4	521	-	-	8/29/63/63	0/2/2/2
14	CLA	b1	511	13	1/1/13/20	9/27/103/115	-
14	CLA	c5	509	13	1/1/15/20	12/39/115/115	-
17	BCR	aI	4020	-	-	2/29/63/63	0/2/2/2
14	CLA	X	506	13	1/1/11/20	6/15/91/115	-
14	CLA	c4	505	13	1/1/15/20	11/39/115/115	-
14	CLA	b6	516	13	1/1/11/20	8/15/91/115	-
17	BCR	a3	521	-	-	9/29/63/63	0/2/2/2
14	CLA	cA	1122	1	1/1/14/20	10/33/109/115	-
14	CLA	W	504	-	1/1/12/20	10/24/100/115	-
14	CLA	X	505	13	1/1/15/20	16/39/115/115	-
14	CLA	d	507	-	1/1/11/20	4/15/91/115	-
14	CLA	c6	517	-	1/1/11/20	6/15/91/115	-
14	CLA	aA	1136	1	1/1/15/20	10/39/115/115	-
14	CLA	n	506	13	1/1/11/20	6/15/91/115	-
17	BCR	bM	4021	-	-	5/29/63/63	0/2/2/2
14	CLA	f	510	13	1/1/11/20	6/15/91/115	-
20	SQD	cB	1852	-	-	8/34/54/69	0/1/1/1
17	BCR	cB	4017	-	-	2/29/63/63	0/2/2/2
14	CLA	bB	1208	2	1/1/13/20	5/27/103/115	-
14	CLA	b5	509	13	1/1/15/20	7/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	aA	1137	1	1/1/13/20	8/27/103/115	-
14	CLA	k	517	-	1/1/11/20	10/15/91/115	-
14	CLA	p	519	13	1/1/11/20	6/15/91/115	-
14	CLA	bB	1234	2	1/1/14/20	7/33/109/115	-
14	CLA	j	511	13	1/1/11/20	5/15/91/115	-
14	CLA	c6	509	13	1/1/15/20	9/39/115/115	-
14	CLA	m	505	13	1/1/12/20	6/23/99/115	-
14	CLA	b5	512	13	1/1/12/20	10/24/100/115	-
14	CLA	V	516	13	1/1/11/20	7/15/91/115	-
14	CLA	c6	511	13	1/1/11/20	6/15/91/115	-
14	CLA	aF	1301	-	1/1/11/20	2/15/91/115	-
14	CLA	a1	503	13	1/1/14/20	5/37/113/115	-
14	CLA	W	518	13	1/1/13/20	12/27/103/115	-
14	CLA	g	508	13	1/1/11/20	4/15/91/115	-
14	CLA	b6	519	13	1/1/11/20	8/15/91/115	-
17	BCR	S	524	-	-	0/29/63/63	0/2/2/2
14	CLA	aA	1132	1	1/1/15/20	13/39/115/115	-
14	CLA	X	510	13	1/1/14/20	11/36/112/115	-
17	BCR	W	521	-	-	5/29/63/63	0/2/2/2
14	CLA	cA	1120	1	1/1/13/20	13/27/103/115	-
14	CLA	V	507	-	1/1/11/20	4/15/91/115	-
17	BCR	a1	521	-	-	5/29/63/63	0/2/2/2
14	CLA	aA	1113	1	1/1/12/20	9/21/97/115	-
14	CLA	bA	1106	1	1/1/15/20	18/39/115/115	-
14	CLA	aB	1235	2	1/1/15/20	10/39/115/115	-
14	CLA	aB	1231	2	1/1/13/20	11/27/103/115	-
17	BCR	a	522	-	-	4/29/63/63	0/2/2/2
14	CLA	aL	1502	10	1/1/14/20	7/33/109/115	-
14	CLA	bA	1139	-	1/1/14/20	5/33/109/115	-
17	BCR	f	521	-	-	0/29/63/63	0/2/2/2
14	CLA	c5	504	-	1/1/13/20	9/30/106/115	-
17	BCR	c4	524	-	-	0/29/63/63	0/2/2/2
17	BCR	i	521	-	-	2/29/63/63	0/2/2/2
17	BCR	aB	4017	-	-	2/29/63/63	0/2/2/2
14	CLA	S	516	13	1/1/11/20	3/15/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
20	SQD	b4	822	-	-	17/28/48/69	0/1/1/1
17	BCR	b6	522	-	-	4/29/63/63	0/2/2/2
14	CLA	cA	1128	1	1/1/15/20	7/39/115/115	-
14	CLA	e	511	13	1/1/11/20	3/15/91/115	-
14	CLA	p	508	13	1/1/11/20	4/15/91/115	-
14	CLA	bA	1140	1	1/1/15/20	16/39/115/115	-
14	CLA	X	512	13	1/1/11/20	8/15/91/115	-
14	CLA	d	502	13	1/1/11/20	6/15/91/115	-
14	CLA	c3	504	-	1/1/13/20	10/29/105/115	-
14	CLA	aB	1217	2	1/1/13/20	12/27/103/115	-
21	LMG	a6	5104	-	-	3/33/53/70	0/1/1/1
20	SQD	b6	822	-	-	8/25/45/69	0/1/1/1
14	CLA	k	507	-	1/1/11/20	4/15/91/115	-
14	CLA	f	516	13	1/1/11/20	9/15/91/115	-
14	CLA	U	510	13	1/1/13/20	8/27/103/115	-
14	CLA	cB	1208	2	1/1/12/20	5/24/100/115	-
14	CLA	cB	1236	2	1/1/12/20	5/21/97/115	-
14	CLA	i	507	-	1/1/11/20	6/15/91/115	-
17	BCR	bA	4002	-	-	4/29/63/63	0/2/2/2
17	BCR	m	524	-	-	0/29/63/63	0/2/2/2
14	CLA	k	519	13	1/1/11/20	6/15/91/115	-
14	CLA	q	519	13	1/1/11/20	11/15/91/115	-
14	CLA	g	510	13	1/1/11/20	6/15/91/115	-
14	CLA	i	519	13	1/1/11/20	4/15/91/115	-
14	CLA	bA	1135	1	1/1/12/20	11/23/99/115	-
14	CLA	b1	501	13	1/1/15/20	16/39/115/115	-
14	CLA	j	519	13	1/1/11/20	5/15/91/115	-
14	CLA	S	517	-	1/1/11/20	8/15/91/115	-
14	CLA	a6	509	13	1/1/15/20	9/39/115/115	-
14	CLA	h	502	13	1/1/11/20	4/15/91/115	-
14	CLA	bB	1221	-	1/1/14/20	12/33/109/115	-
17	BCR	d	522	-	-	5/29/63/63	0/2/2/2
17	BCR	l	521	-	-	5/29/63/63	0/2/2/2
17	BCR	c6	522	-	-	5/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	V	502	13	1/1/14/20	10/33/109/115	-
14	CLA	c3	512	13	1/1/12/20	7/24/100/115	-
14	CLA	Z	512	13	1/1/11/20	8/15/91/115	-
14	CLA	c1	517	-	1/1/11/20	10/15/91/115	-
14	CLA	c4	508	13	1/1/14/20	7/33/109/115	-
14	CLA	cB	1214	2	1/1/14/20	11/33/109/115	-
14	CLA	Y	508	13	1/1/12/20	0/24/100/115	-
14	CLA	q	507	-	1/1/11/20	6/15/91/115	-
14	CLA	aA	1108	1	1/1/11/20	3/15/91/115	-
14	CLA	e	505	13	1/1/14/20	10/36/112/115	-
14	CLA	cA	1102	1	1/1/15/20	7/39/115/115	-
17	BCR	h	521	-	-	4/29/63/63	0/2/2/2
14	CLA	a3	505	13	1/1/15/20	11/39/115/115	-
14	CLA	c6	501	13	1/1/15/20	15/39/115/115	-
14	CLA	b5	513	13	1/1/13/20	4/27/103/115	-
17	BCR	aB	4005	-	-	2/29/63/63	0/2/2/2
14	CLA	a6	506	13	1/1/11/20	6/15/91/115	-
14	CLA	a	518	13	1/1/13/20	10/27/103/115	-
21	LMG	b2	5104	-	-	4/35/55/70	0/1/1/1
17	BCR	c1	524	-	-	0/29/63/63	0/2/2/2
14	CLA	c2	513	13	1/1/11/20	4/17/93/115	-
17	BCR	c4	523	-	-	7/29/63/63	0/2/2/2
14	CLA	cA	1132	1	1/1/15/20	10/39/115/115	-
17	BCR	aF	4014	-	-	4/29/63/63	0/2/2/2
14	CLA	T	502	13	1/1/14/20	11/33/109/115	-
14	CLA	aA	1138	1	1/1/15/20	10/39/115/115	-
14	CLA	c5	517	-	1/1/11/20	8/15/91/115	-
14	CLA	l	504	-	1/1/11/20	5/15/91/115	-
14	CLA	a5	507	-	1/1/14/20	8/33/109/115	-
14	CLA	b1	517	-	1/1/11/20	11/15/91/115	-
14	CLA	a3	513	13	1/1/12/20	5/21/97/115	-
14	CLA	m	504	-	1/1/11/20	7/15/91/115	-
17	BCR	T	521	-	-	5/29/63/63	0/2/2/2
17	BCR	p	523	-	-	2/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
17	BCR	a6	522	-	-	4/29/63/63	0/2/2/2
14	CLA	S	508	13	1/1/12/20	2/23/99/115	-
14	CLA	X	511	13	1/1/13/20	5/27/103/115	-
14	CLA	Z	509	13	1/1/15/20	5/39/115/115	-
14	CLA	c2	503	13	1/1/15/20	4/39/115/115	-
14	CLA	c1	508	13	1/1/13/20	4/27/103/115	-
14	CLA	a4	519	13	1/1/12/20	4/24/100/115	-
14	CLA	e	506	13	1/1/11/20	5/15/91/115	-
17	BCR	b	522	-	-	6/29/63/63	0/2/2/2
18	LHG	bA	5003	14	-	9/45/45/53	-
14	CLA	aA	1110	1	1/1/12/20	5/25/101/115	-
14	CLA	a6	513	13	1/1/13/20	7/27/103/115	-
14	CLA	c5	511	13	1/1/11/20	2/15/91/115	-
14	CLA	b3	509	13	1/1/15/20	10/39/115/115	-
14	CLA	a	512	13	1/1/11/20	7/15/91/115	-
14	CLA	bA	1133	1	1/1/15/20	12/39/115/115	-
14	CLA	aA	1101	1	1/1/14/20	9/33/109/115	-
17	BCR	n	524	-	-	0/29/63/63	0/2/2/2
14	CLA	aB	1230	2	1/1/13/20	10/31/107/115	-
14	CLA	U	511	13	1/1/13/20	4/27/103/115	-
14	CLA	bA	1013	-	1/1/15/20	8/39/115/115	-
14	CLA	c3	511	13	1/1/14/20	14/36/112/115	-
14	CLA	c2	507	-	1/1/14/20	5/33/109/115	-
14	CLA	l	505	13	1/1/11/20	5/15/91/115	-
17	BCR	a6	523	-	-	0/29/63/63	0/2/2/2
14	CLA	a	506	13	1/1/11/20	6/15/91/115	-
18	LHG	bA	5002	-	-	18/46/46/53	-
14	CLA	c	517	-	1/1/11/20	6/15/91/115	-
14	CLA	bA	1112	1	1/1/11/20	3/19/95/115	-
14	CLA	g	511	13	1/1/11/20	3/15/91/115	-
17	BCR	a3	522	-	-	2/29/63/63	0/2/2/2
14	CLA	cA	1123	-	1/1/15/20	11/39/115/115	-
14	CLA	cA	1125	1	1/1/14/20	14/33/109/115	-
14	CLA	b2	516	13	1/1/11/20	7/15/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	bA	1123	-	1/1/15/20	7/39/115/115	-
14	CLA	a2	516	13	1/1/11/20	3/15/91/115	-
14	CLA	h	519	13	1/1/11/20	5/15/91/115	-
17	BCR	i	523	-	-	0/29/63/63	0/2/2/2
14	CLA	cA	1115	1	1/1/14/20	14/33/109/115	-
14	CLA	d	510	13	1/1/14/20	11/33/109/115	-
17	BCR	c3	524	-	-	2/29/63/63	0/2/2/2
20	SQD	c5	822	-	-	13/26/46/69	0/1/1/1
17	BCR	b	523	-	-	4/29/63/63	0/2/2/2
14	CLA	c6	510	13	1/1/15/20	11/39/115/115	-
14	CLA	cX	1401	12	1/1/11/20	7/15/91/115	-
14	CLA	b5	503	13	1/1/15/20	10/39/115/115	-
14	CLA	bA	1126	1	1/1/15/20	14/39/115/115	-
14	CLA	a	505	13	1/1/15/20	12/39/115/115	-
14	CLA	U	513	13	1/1/11/20	5/15/91/115	-
14	CLA	c4	512	13	1/1/11/20	7/15/91/115	-
17	BCR	a6	524	-	-	0/29/63/63	0/2/2/2
14	CLA	b2	510	13	1/1/15/20	10/39/115/115	-
14	CLA	Y	517	-	1/1/11/20	9/15/91/115	-
17	BCR	aB	4004	-	-	7/29/63/63	0/2/2/2
14	CLA	c	502	13	1/1/13/20	5/27/103/115	-
14	CLA	a1	508	13	1/1/13/20	7/27/103/115	-
14	CLA	Z	501	13	1/1/15/20	20/39/115/115	-
14	CLA	i	501	13	1/1/11/20	9/15/91/115	-
15	PQN	aB	2002	-	-	9/23/43/43	0/2/2/2
14	CLA	bA	1121	1	1/1/12/20	9/24/100/115	-
14	CLA	e	519	13	1/1/11/20	4/15/91/115	-
17	BCR	W	522	-	-	5/29/63/63	0/2/2/2
18	LHG	cX	4021	-	-	14/43/43/53	-
14	CLA	c	503	13	1/1/11/20	5/15/91/115	-
14	CLA	b6	511	13	1/1/11/20	4/15/91/115	-
14	CLA	aA	1105	1	1/1/12/20	2/23/99/115	-
14	CLA	Y	511	13	1/1/11/20	6/15/91/115	-
14	CLA	i	518	13	1/1/13/20	10/27/103/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	b5	505	13	1/1/15/20	10/39/115/115	-
14	CLA	V	510	13	1/1/14/20	10/33/109/115	-
14	CLA	n	501	13	1/1/11/20	8/15/91/115	-
14	CLA	W	507	-	1/1/12/20	2/23/99/115	-
14	CLA	j	501	13	1/1/11/20	9/15/91/115	-
14	CLA	a1	501	13	1/1/15/20	15/39/115/115	-
17	BCR	bB	4010	-	-	0/29/63/63	0/2/2/2
14	CLA	cB	1218	2	1/1/13/20	11/29/105/115	-
14	CLA	c1	504	-	1/1/13/20	8/27/103/115	-
14	CLA	a3	512	13	1/1/12/20	11/25/101/115	-
14	CLA	aJ	1302	8	1/1/11/20	9/20/96/115	-
14	CLA	l	519	13	1/1/11/20	5/15/91/115	-
14	CLA	a2	513	13	1/1/11/20	4/15/91/115	-
14	CLA	b2	506	13	1/1/11/20	7/15/91/115	-
14	CLA	d	503	13	1/1/12/20	4/21/97/115	-
14	CLA	a2	502	13	1/1/14/20	8/33/109/115	-
14	CLA	bA	1136	1	1/1/15/20	9/39/115/115	-
17	BCR	aA	4008	-	-	3/29/63/63	0/2/2/2
17	BCR	a5	523	-	-	2/29/63/63	0/2/2/2
19	LMU	aB	1843	-	-	11/21/61/61	0/2/2/2
14	CLA	W	517	-	1/1/11/20	8/15/91/115	-
19	LMU	bB	1843	-	-	9/21/61/61	0/2/2/2
17	BCR	o	524	-	-	0/29/63/63	0/2/2/2
14	CLA	cB	1230	2	1/1/13/20	10/31/107/115	-
17	BCR	l	522	-	-	2/29/63/63	0/2/2/2
14	CLA	a6	512	13	1/1/11/20	8/15/91/115	-
17	BCR	b5	524	-	-	0/29/63/63	0/2/2/2
14	CLA	cB	1229	2	1/1/14/20	11/33/109/115	-
14	CLA	h	518	13	1/1/11/20	9/18/94/115	-
14	CLA	j	510	13	1/1/14/20	11/33/109/115	-
14	CLA	cL	1501	10	1/1/15/20	10/39/115/115	-
14	CLA	W	501	13	1/1/15/20	15/39/115/115	-
14	CLA	b	512	13	1/1/12/20	8/21/97/115	-
14	CLA	a6	505	13	1/1/15/20	12/39/115/115	-
18	LHG	aA	5004	-	-	13/37/37/53	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	aA	1237	-	1/1/15/20	15/39/115/115	-
14	CLA	a6	503	13	1/1/15/20	12/39/115/115	-
14	CLA	cA	1126	1	1/1/15/20	13/39/115/115	-
14	CLA	a5	508	13	1/1/13/20	4/27/103/115	-
14	CLA	c2	501	13	1/1/15/20	10/39/115/115	-
14	CLA	bB	1203	2	1/1/15/20	21/39/115/115	-
14	CLA	a	516	13	1/1/11/20	6/15/91/115	-
14	CLA	a3	510	13	1/1/15/20	7/39/115/115	-
14	CLA	b	506	13	1/1/11/20	6/15/91/115	-
14	CLA	c4	519	13	1/1/12/20	6/23/99/115	-
14	CLA	T	519	13	1/1/11/20	6/15/91/115	-
17	BCR	bB	4006	-	-	4/29/63/63	0/2/2/2
14	CLA	b	505	13	1/1/14/20	9/33/109/115	-
14	CLA	X	519	13	1/1/11/20	10/15/91/115	-
14	CLA	o	518	13	1/1/13/20	8/27/103/115	-
14	CLA	b1	508	13	1/1/13/20	8/27/103/115	-
14	CLA	V	509	13	1/1/15/20	10/39/115/115	-
14	CLA	c3	508	13	1/1/13/20	7/27/103/115	-
14	CLA	b4	511	13	1/1/11/20	5/15/91/115	-
14	CLA	c5	510	13	1/1/15/20	8/39/115/115	-
14	CLA	cB	1206	2	1/1/15/20	9/39/115/115	-
14	CLA	c6	508	13	1/1/13/20	4/27/103/115	-
14	CLA	a5	516	13	1/1/11/20	8/18/94/115	-
14	CLA	j	506	13	1/1/11/20	4/15/91/115	-
14	CLA	c5	519	13	1/1/12/20	4/23/99/115	-
20	SQD	bB	1852	-	-	11/37/57/69	0/1/1/1
14	CLA	c5	506	13	1/1/11/20	4/15/91/115	-
14	CLA	bA	1107	1	1/1/13/20	9/27/103/115	-
14	CLA	aA	1107	1	1/1/13/20	11/27/103/115	-
14	CLA	a	517	-	1/1/11/20	8/15/91/115	-
14	CLA	b1	507	-	1/1/14/20	5/35/111/115	-
14	CLA	b5	516	13	1/1/11/20	11/20/96/115	-
14	CLA	n	507	-	1/1/11/20	4/15/91/115	-
17	BCR	n	521	-	-	3/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	o	505	13	1/1/11/20	3/15/91/115	-
14	CLA	c3	519	13	1/1/11/20	4/15/91/115	-
14	CLA	bL	1502	10	1/1/14/20	9/33/109/115	-
14	CLA	c6	516	13	1/1/11/20	6/15/91/115	-
20	SQD	X	822	-	-	12/31/51/69	0/1/1/1
17	BCR	j	521	-	-	8/29/63/63	0/2/2/2
14	CLA	b1	519	13	1/1/11/20	6/15/91/115	-
14	CLA	f	501	13	1/1/11/20	8/15/91/115	-
14	CLA	c3	505	13	1/1/15/20	14/39/115/115	-
14	CLA	aA	1102	1	1/1/15/20	10/39/115/115	-
14	CLA	b6	517	-	1/1/11/20	4/15/91/115	-
17	BCR	m	522	-	-	2/29/63/63	0/2/2/2
14	CLA	c4	507	-	1/1/14/20	6/33/109/115	-
14	CLA	W	513	13	1/1/12/20	1/21/97/115	-
14	CLA	a3	503	13	1/1/14/20	3/37/113/115	-
14	CLA	m	508	13	1/1/11/20	3/15/91/115	-
16	SF4	cA	3001	2,1	-	-	0/6/5/5
14	CLA	b3	512	13	1/1/12/20	9/25/101/115	-
14	CLA	aL	1501	10	1/1/15/20	10/39/115/115	-
14	CLA	bF	1301	-	1/1/11/20	2/15/91/115	-
14	CLA	h	516	13	1/1/11/20	4/15/91/115	-
14	CLA	bA	1134	1	1/1/13/20	7/27/103/115	-
14	CLA	c2	502	13	1/1/14/20	10/33/109/115	-
14	CLA	aB	1203	2	1/1/15/20	18/39/115/115	-
14	CLA	f	513	13	1/1/11/20	5/15/91/115	-
14	CLA	aB	1229	2	1/1/15/20	14/39/115/115	-
17	BCR	a5	524	-	-	0/29/63/63	0/2/2/2
14	CLA	e	516	13	1/1/11/20	6/15/91/115	-
14	CLA	p	507	-	1/1/11/20	4/15/91/115	-
14	CLA	aB	1023	-	1/1/15/20	11/39/115/115	-
14	CLA	b3	505	13	1/1/15/20	14/39/115/115	-
14	CLA	bA	1111	1	1/1/13/20	9/27/103/115	-
14	CLA	b3	508	13	1/1/13/20	5/27/103/115	-
14	CLA	c1	511	13	1/1/12/20	2/21/97/115	-
14	CLA	W	503	13	1/1/14/20	5/37/113/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	j	517	-	1/1/11/20	4/15/91/115	-
14	CLA	cA	1127	1	1/1/15/20	4/39/115/115	-
14	CLA	b1	502	13	1/1/14/20	5/33/109/115	-
14	CLA	Y	519	13	1/1/11/20	9/15/91/115	-
17	BCR	b5	521	-	-	3/29/63/63	0/2/2/2
17	BCR	c6	524	-	-	0/29/63/63	0/2/2/2
14	CLA	d	518	13	1/1/13/20	7/27/103/115	-
15	PQN	bB	2002	-	-	11/23/43/43	0/2/2/2
17	BCR	k	524	-	-	0/29/63/63	0/2/2/2
14	CLA	c4	502	13	1/1/14/20	14/33/109/115	-
14	CLA	l	518	13	1/1/12/20	7/21/97/115	-
14	CLA	b4	507	-	1/1/14/20	6/33/109/115	-
17	BCR	aF	4016	-	-	2/29/63/63	0/2/2/2
17	BCR	cA	4007	-	-	2/29/63/63	0/2/2/2
14	CLA	l	506	13	1/1/11/20	4/15/91/115	-
17	BCR	b2	524	-	-	0/29/63/63	0/2/2/2
14	CLA	aA	1125	1	1/1/15/20	16/39/115/115	-
17	BCR	c	522	-	-	4/29/63/63	0/2/2/2
17	BCR	cM	4021	-	-	7/29/63/63	0/2/2/2
14	CLA	h	513	13	1/1/12/20	5/21/97/115	-
17	BCR	e	521	-	-	4/29/63/63	0/2/2/2
17	BCR	T	523	-	-	2/29/63/63	0/2/2/2
14	CLA	b5	510	13	1/1/15/20	9/39/115/115	-
14	CLA	cB	1202	2	1/1/15/20	10/39/115/115	-
14	CLA	cB	1215	2	1/1/14/20	6/35/111/115	-
14	CLA	cB	1021	2	1/1/15/20	13/39/115/115	-
17	BCR	V	524	-	-	2/29/63/63	0/2/2/2
14	CLA	d	517	-	1/1/11/20	10/15/91/115	-
14	CLA	a3	501	13	1/1/15/20	12/39/115/115	-
14	CLA	a2	506	13	1/1/11/20	4/15/91/115	-
17	BCR	S	521	-	-	3/29/63/63	0/2/2/2
14	CLA	h	506	13	1/1/11/20	4/15/91/115	-
14	CLA	a3	516	13	1/1/11/20	5/15/91/115	-
14	CLA	Z	508	13	1/1/11/20	4/15/91/115	-
14	CLA	b	511	13	1/1/11/20	3/15/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	f	511	13	1/1/11/20	7/15/91/115	-
14	CLA	b3	506	13	1/1/11/20	4/15/91/115	-
17	BCR	p	522	-	-	2/29/63/63	0/2/2/2
14	CLA	T	518	13	1/1/12/20	8/21/97/115	-
21	LMG	a2	5104	-	-	5/35/55/70	0/1/1/1
14	CLA	a	508	13	1/1/11/20	4/15/91/115	-
14	CLA	i	502	13	1/1/11/20	1/15/91/115	-
14	CLA	X	518	13	1/1/13/20	7/27/103/115	-
14	CLA	aB	1225	2	1/1/15/20	13/39/115/115	-
14	CLA	b1	504	-	1/1/13/20	9/27/103/115	-
14	CLA	c2	512	13	1/1/12/20	12/24/100/115	-
17	BCR	b	524	-	-	0/29/63/63	0/2/2/2
14	CLA	bB	1023	-	1/1/15/20	6/39/115/115	-
14	CLA	cB	1231	2	1/1/13/20	13/27/103/115	-
14	CLA	aA	1106	1	1/1/15/20	19/39/115/115	-
14	CLA	b3	503	13	1/1/14/20	3/37/113/115	-
17	BCR	cJ	4012	-	-	4/29/63/63	0/2/2/2
14	CLA	bA	1129	1	1/1/13/20	14/27/103/115	-
14	CLA	a2	501	13	1/1/15/20	16/39/115/115	-
18	LHG	cA	5001	-	-	18/52/52/53	-
14	CLA	l	513	13	1/1/11/20	2/15/91/115	-
14	CLA	a2	509	13	1/1/15/20	9/39/115/115	-
14	CLA	U	517	-	1/1/11/20	11/15/91/115	-
14	CLA	Z	519	13	1/1/11/20	4/15/91/115	-
14	CLA	cB	1213	2	1/1/14/20	7/33/109/115	-
14	CLA	c5	518	13	1/1/13/20	9/27/103/115	-
16	SF4	cC	3003	3	-	-	0/6/5/5
17	BCR	a4	524	-	-	0/29/63/63	0/2/2/2
14	CLA	d	505	13	1/1/15/20	16/39/115/115	-
14	CLA	U	518	13	1/1/11/20	5/15/91/115	-
14	CLA	q	518	13	1/1/11/20	5/15/91/115	-
14	CLA	aB	1212	2	1/1/11/20	2/15/91/115	-
17	BCR	U	521	-	-	5/29/63/63	0/2/2/2
14	CLA	b2	513	13	1/1/11/20	3/18/94/115	-
14	CLA	b1	518	13	1/1/13/20	9/27/103/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	aA	1011	1	1/1/15/20	8/39/115/115	-
17	BCR	k	522	-	-	2/29/63/63	0/2/2/2
17	BCR	q	522	-	-	3/29/63/63	0/2/2/2
17	BCR	a1	523	-	-	2/29/63/63	0/2/2/2
20	SQD	a3	822	-	-	15/33/53/69	0/1/1/1
17	BCR	f	522	-	-	4/29/63/63	0/2/2/2
14	CLA	n	519	13	1/1/11/20	4/15/91/115	-
14	CLA	aB	1201	2	1/1/13/20	7/30/106/115	-
17	BCR	i	522	-	-	5/29/63/63	0/2/2/2
14	CLA	bB	1223	2	1/1/15/20	8/39/115/115	-
14	CLA	cB	1216	-	1/1/13/20	6/27/103/115	-
18	LHG	aA	5003	14	-	6/45/45/53	-
14	CLA	a1	511	13	1/1/13/20	8/27/103/115	-
14	CLA	b4	508	13	1/1/13/20	4/27/103/115	-
14	CLA	aB	1208	2	1/1/13/20	4/27/103/115	-
14	CLA	aA	1140	1	1/1/15/20	17/39/115/115	-
14	CLA	aB	1234	2	1/1/14/20	10/33/109/115	-
14	CLA	g	502	13	1/1/11/20	6/15/91/115	-
14	CLA	a5	509	13	1/1/15/20	7/39/115/115	-
17	BCR	bI	4020	-	-	4/29/63/63	0/2/2/2
14	CLA	V	505	13	1/1/14/20	12/36/112/115	-
14	CLA	j	518	13	1/1/12/20	8/21/97/115	-
14	CLA	c4	504	-	1/1/11/20	7/15/91/115	-
14	CLA	cA	1131	1	1/1/15/20	8/39/115/115	-
14	CLA	bA	1117	1	1/1/15/20	13/39/115/115	-
14	CLA	bB	1232	-	1/1/11/20	9/15/91/115	-
17	BCR	a1	524	-	-	0/29/63/63	0/2/2/2
14	CLA	Z	504	-	1/1/13/20	11/27/103/115	-
17	BCR	a	521	-	-	6/29/63/63	0/2/2/2
14	CLA	n	504	-	1/1/11/20	6/15/91/115	-
17	BCR	f	524	-	-	0/29/63/63	0/2/2/2
14	CLA	X	513	13	1/1/11/20	3/17/93/115	-
17	BCR	i	524	-	-	0/29/63/63	0/2/2/2
17	BCR	f	523	-	-	4/29/63/63	0/2/2/2
14	CLA	c4	510	13	1/1/15/20	11/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	bA	1105	1	1/1/12/20	5/25/101/115	-
14	CLA	b5	511	13	1/1/12/20	3/21/97/115	-
14	CLA	k	506	13	1/1/11/20	5/15/91/115	-
14	CLA	c1	519	13	1/1/11/20	6/15/91/115	-
14	CLA	a1	516	13	1/1/13/20	9/31/107/115	-
14	CLA	b6	507	-	1/1/14/20	9/33/109/115	-
18	LHG	aA	5002	-	-	19/45/45/53	-
14	CLA	b1	510	13	1/1/15/20	9/39/115/115	-
14	CLA	n	517	-	1/1/11/20	7/15/91/115	-
14	CLA	bK	1401	-	1/1/13/20	9/27/103/115	-
14	CLA	aA	1112	1	1/1/11/20	5/19/95/115	-
14	CLA	aA	1126	1	1/1/15/20	14/39/115/115	-
18	LHG	aA	5005	-	-	21/49/49/53	-
17	BCR	cB	4005	-	-	2/29/63/63	0/2/2/2
14	CLA	q	512	13	1/1/11/20	4/15/91/115	-
14	CLA	j	504	-	1/1/11/20	4/15/91/115	-
14	CLA	o	513	13	1/1/11/20	3/15/91/115	-
20	SQD	a6	822	-	-	14/26/46/69	0/1/1/1
14	CLA	d	509	13	1/1/14/20	7/36/112/115	-
17	BCR	g	522	-	-	5/29/63/63	0/2/2/2

All (7652) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
15	cA	2001	PQN	C12-C13	9.50	1.54	1.33
15	bA	2001	PQN	C12-C13	9.47	1.54	1.33
15	cB	2002	PQN	C12-C13	9.45	1.54	1.33
15	aA	2001	PQN	C12-C13	9.42	1.54	1.33
15	bB	2002	PQN	C12-C13	9.42	1.54	1.33
15	aB	2002	PQN	C12-C13	9.41	1.54	1.33
15	bA	2001	PQN	O1-C1	8.50	1.41	1.23
15	cA	2001	PQN	O1-C1	8.44	1.40	1.23
15	aA	2001	PQN	O1-C1	8.44	1.40	1.23
15	bB	2002	PQN	O1-C1	8.44	1.40	1.23
15	cB	2002	PQN	O1-C1	8.44	1.40	1.23
15	aB	2002	PQN	O1-C1	8.39	1.40	1.23
15	aB	2002	PQN	O4-C4	8.12	1.40	1.23
15	aA	2001	PQN	O4-C4	8.12	1.40	1.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
15	bA	2001	PQN	O4-C4	8.09	1.40	1.23
15	cB	2002	PQN	O4-C4	8.08	1.40	1.23
15	bB	2002	PQN	O4-C4	8.07	1.40	1.23
15	cA	2001	PQN	O4-C4	8.06	1.40	1.23
15	cA	2001	PQN	C3-C2	3.95	1.42	1.35
15	bA	2001	PQN	C3-C2	3.92	1.42	1.35
15	cB	2002	PQN	C3-C2	3.92	1.42	1.35
15	bB	2002	PQN	C3-C2	3.91	1.42	1.35
15	aA	2001	PQN	C3-C2	3.89	1.42	1.35
15	aB	2002	PQN	C3-C2	3.89	1.42	1.35
14	aJ	1303	CLA	C1D-ND	3.78	1.42	1.37
14	cA	1120	CLA	C1D-ND	3.78	1.42	1.37
14	j	501	CLA	C1D-ND	3.71	1.42	1.37
14	bA	1137	CLA	C1D-ND	3.71	1.42	1.37
14	bB	1229	CLA	C1D-ND	3.71	1.42	1.37
14	aB	1219	CLA	C1D-ND	3.70	1.42	1.37
14	m	503	CLA	C1D-ND	3.70	1.42	1.37
14	q	511	CLA	C1D-ND	3.70	1.42	1.37
14	m	519	CLA	C1D-ND	3.70	1.42	1.37
14	k	517	CLA	C1D-ND	3.70	1.42	1.37
14	c6	502	CLA	C1D-ND	3.69	1.42	1.37
14	S	516	CLA	C1D-ND	3.69	1.42	1.37
14	f	505	CLA	C1D-ND	3.69	1.42	1.37
14	bB	1209	CLA	C1D-ND	3.69	1.42	1.37
14	c	507	CLA	C1D-ND	3.69	1.42	1.37
14	aA	1137	CLA	C1D-ND	3.69	1.42	1.37
14	b6	504	CLA	C1D-ND	3.69	1.42	1.37
14	b	502	CLA	C1D-ND	3.69	1.42	1.37
14	k	501	CLA	C1D-ND	3.68	1.42	1.37
14	o	501	CLA	C1D-ND	3.68	1.42	1.37
14	h	516	CLA	C1D-ND	3.68	1.42	1.37
14	b2	506	CLA	C1D-ND	3.68	1.42	1.37
14	j	504	CLA	C1D-ND	3.68	1.42	1.37
14	cB	1218	CLA	C1D-ND	3.68	1.42	1.37
14	c2	507	CLA	C1D-ND	3.68	1.42	1.37
14	c6	511	CLA	C1D-ND	3.68	1.42	1.37
14	g	503	CLA	C1D-ND	3.68	1.42	1.37
14	c	502	CLA	C1D-ND	3.67	1.42	1.37
14	b3	519	CLA	C1D-ND	3.67	1.42	1.37
14	cB	1233	CLA	C1D-ND	3.67	1.42	1.37
14	d	507	CLA	C1D-ND	3.67	1.42	1.37
14	aB	1239	CLA	C1D-ND	3.67	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	cB	1239	CLA	C1D-ND	3.67	1.42	1.37
14	U	502	CLA	C1D-ND	3.67	1.42	1.37
14	i	519	CLA	C1D-ND	3.67	1.42	1.37
14	a6	503	CLA	C1D-ND	3.67	1.42	1.37
14	p	502	CLA	C1D-ND	3.67	1.42	1.37
14	cB	1231	CLA	C1D-ND	3.67	1.42	1.37
14	g	502	CLA	C1D-ND	3.67	1.42	1.37
14	bB	1220	CLA	C1D-ND	3.67	1.42	1.37
14	b5	501	CLA	C1D-ND	3.67	1.42	1.37
14	e	502	CLA	C1D-ND	3.67	1.42	1.37
14	f	511	CLA	C1D-ND	3.66	1.42	1.37
14	q	501	CLA	C1D-ND	3.66	1.42	1.37
14	a6	519	CLA	C1D-ND	3.66	1.42	1.37
14	cB	1219	CLA	C1D-ND	3.66	1.42	1.37
14	c6	517	CLA	C1D-ND	3.66	1.42	1.37
14	U	503	CLA	C1D-ND	3.66	1.42	1.37
14	l	507	CLA	C1D-ND	3.66	1.42	1.37
14	W	513	CLA	C1D-ND	3.66	1.42	1.37
14	d	503	CLA	C1D-ND	3.66	1.42	1.37
14	p	511	CLA	C1D-ND	3.66	1.42	1.37
14	aB	1234	CLA	C1D-ND	3.66	1.42	1.37
14	T	503	CLA	C1D-ND	3.66	1.42	1.37
14	Y	503	CLA	C1D-ND	3.66	1.42	1.37
14	c	503	CLA	C1D-ND	3.66	1.42	1.37
14	k	502	CLA	C1D-ND	3.66	1.42	1.37
14	b1	513	CLA	C1D-ND	3.66	1.42	1.37
14	b3	517	CLA	C1D-ND	3.66	1.42	1.37
14	c2	513	CLA	C1D-ND	3.66	1.42	1.37
14	T	507	CLA	C1D-ND	3.66	1.42	1.37
14	d	502	CLA	C1D-ND	3.66	1.42	1.37
14	bA	1022	CLA	C1D-ND	3.66	1.42	1.37
14	b5	504	CLA	C1D-ND	3.66	1.42	1.37
14	Z	503	CLA	C1D-ND	3.66	1.42	1.37
14	Z	511	CLA	C1D-ND	3.66	1.42	1.37
14	bB	1239	CLA	C1D-ND	3.65	1.42	1.37
14	o	507	CLA	C1D-ND	3.65	1.42	1.37
14	S	506	CLA	C1D-ND	3.65	1.42	1.37
14	j	503	CLA	C1D-ND	3.65	1.42	1.37
14	n	513	CLA	C1D-ND	3.65	1.42	1.37
14	a4	501	CLA	C1D-ND	3.65	1.42	1.37
14	b5	509	CLA	C1D-ND	3.65	1.42	1.37
14	cA	1137	CLA	C1D-ND	3.65	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	W	501	CLA	C1D-ND	3.65	1.42	1.37
14	e	519	CLA	C1D-ND	3.65	1.42	1.37
14	cA	1118	CLA	C1D-ND	3.65	1.42	1.37
14	o	517	CLA	C1D-ND	3.65	1.42	1.37
14	c	518	CLA	C1D-ND	3.65	1.42	1.37
14	aB	1220	CLA	C1D-ND	3.65	1.42	1.37
14	e	503	CLA	C1D-ND	3.65	1.42	1.37
14	o	502	CLA	C1D-ND	3.65	1.42	1.37
14	c6	519	CLA	C1D-ND	3.65	1.42	1.37
14	b3	511	CLA	C1D-ND	3.65	1.42	1.37
14	W	503	CLA	C1D-ND	3.65	1.42	1.37
14	bB	1228	CLA	C1D-ND	3.65	1.42	1.37
14	b2	503	CLA	C1D-ND	3.65	1.42	1.37
14	cB	1234	CLA	C1D-ND	3.65	1.42	1.37
14	a4	511	CLA	C1D-ND	3.65	1.42	1.37
14	b2	511	CLA	C1D-ND	3.65	1.42	1.37
14	b6	519	CLA	C1D-ND	3.65	1.42	1.37
14	k	503	CLA	C1D-ND	3.65	1.42	1.37
14	cA	1011	CLA	C1D-ND	3.65	1.42	1.37
14	h	501	CLA	C1D-ND	3.65	1.42	1.37
14	i	501	CLA	C1D-ND	3.65	1.42	1.37
14	bB	1212	CLA	C1D-ND	3.65	1.42	1.37
14	a	508	CLA	C1D-ND	3.65	1.42	1.37
14	aB	1207	CLA	C1D-ND	3.65	1.42	1.37
14	bB	1219	CLA	C1D-ND	3.65	1.42	1.37
14	Z	513	CLA	C1D-ND	3.65	1.42	1.37
14	p	506	CLA	C1D-ND	3.65	1.42	1.37
14	cB	1220	CLA	C1D-ND	3.64	1.42	1.37
14	h	513	CLA	C1D-ND	3.64	1.42	1.37
14	c3	506	CLA	C1D-ND	3.64	1.42	1.37
14	X	513	CLA	C1D-ND	3.64	1.42	1.37
14	Z	510	CLA	C1D-ND	3.64	1.42	1.37
14	q	507	CLA	C1D-ND	3.64	1.42	1.37
14	aA	1122	CLA	C1D-ND	3.64	1.42	1.37
14	c2	503	CLA	C1D-ND	3.64	1.42	1.37
14	q	508	CLA	C1D-ND	3.64	1.42	1.37
14	k	507	CLA	C1D-ND	3.64	1.42	1.37
14	k	511	CLA	C1D-ND	3.64	1.42	1.37
14	l	502	CLA	C1D-ND	3.64	1.42	1.37
14	T	517	CLA	C1D-ND	3.64	1.42	1.37
14	a1	513	CLA	C1D-ND	3.64	1.42	1.37
14	c4	501	CLA	C1D-ND	3.64	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	518	CLA	C1D-ND	3.64	1.42	1.37
14	c6	513	CLA	C1D-ND	3.64	1.42	1.37
14	b	504	CLA	C1D-ND	3.64	1.42	1.37
14	bA	1118	CLA	C1D-ND	3.64	1.42	1.37
14	b1	501	CLA	C1D-ND	3.64	1.42	1.37
14	b6	503	CLA	C1D-ND	3.64	1.42	1.37
14	c1	506	CLA	C1D-ND	3.64	1.42	1.37
14	V	516	CLA	C1D-ND	3.64	1.42	1.37
14	W	519	CLA	C1D-ND	3.64	1.42	1.37
14	i	517	CLA	C1D-ND	3.64	1.42	1.37
14	b6	502	CLA	C1D-ND	3.64	1.42	1.37
14	U	508	CLA	C1D-ND	3.64	1.42	1.37
14	e	507	CLA	C1D-ND	3.64	1.42	1.37
14	bA	1011	CLA	C1D-ND	3.64	1.42	1.37
14	X	501	CLA	C1D-ND	3.64	1.42	1.37
14	Z	508	CLA	C1D-ND	3.64	1.42	1.37
14	a2	511	CLA	C1D-ND	3.63	1.42	1.37
14	b	511	CLA	C1D-ND	3.63	1.42	1.37
14	b	501	CLA	C1D-ND	3.63	1.42	1.37
14	c	519	CLA	C1D-ND	3.63	1.42	1.37
14	b1	511	CLA	C1D-ND	3.63	1.42	1.37
14	f	507	CLA	C1D-ND	3.63	1.42	1.37
14	m	502	CLA	C1D-ND	3.63	1.42	1.37
14	a1	511	CLA	C1D-ND	3.63	1.42	1.37
14	b6	501	CLA	C1D-ND	3.63	1.42	1.37
14	V	508	CLA	C1D-ND	3.63	1.42	1.37
14	V	513	CLA	C1D-ND	3.63	1.42	1.37
14	b5	516	CLA	C1D-ND	3.63	1.42	1.37
14	c3	511	CLA	C1D-ND	3.63	1.42	1.37
14	c3	516	CLA	C1D-ND	3.63	1.42	1.37
14	a	501	CLA	C1D-ND	3.63	1.42	1.37
14	d	516	CLA	C1D-ND	3.63	1.42	1.37
14	a4	513	CLA	C1D-ND	3.63	1.42	1.37
14	cB	1207	CLA	C1D-ND	3.63	1.42	1.37
14	c1	516	CLA	C1D-ND	3.63	1.42	1.37
14	i	507	CLA	C1D-ND	3.63	1.42	1.37
14	j	508	CLA	C1D-ND	3.63	1.42	1.37
14	bB	1207	CLA	C1D-ND	3.63	1.42	1.37
14	cA	1134	CLA	C1D-ND	3.63	1.42	1.37
14	cJ	1303	CLA	C1D-ND	3.63	1.42	1.37
14	S	519	CLA	C1D-ND	3.63	1.42	1.37
14	f	518	CLA	C1D-ND	3.63	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a1	519	CLA	C1D-ND	3.63	1.42	1.37
14	a3	517	CLA	C1D-ND	3.63	1.42	1.37
14	X	507	CLA	C1D-ND	3.63	1.42	1.37
14	l	513	CLA	C1D-ND	3.63	1.42	1.37
14	aB	1236	CLA	C1D-ND	3.63	1.42	1.37
14	a2	507	CLA	C1D-ND	3.63	1.42	1.37
14	a6	517	CLA	C1D-ND	3.63	1.42	1.37
14	cB	1209	CLA	C1D-ND	3.63	1.42	1.37
14	c1	511	CLA	C1D-ND	3.63	1.42	1.37
14	c5	502	CLA	C1D-ND	3.63	1.42	1.37
14	a	517	CLA	C1D-ND	3.63	1.42	1.37
14	n	503	CLA	C1D-ND	3.63	1.42	1.37
14	aB	1210	CLA	C1D-ND	3.63	1.42	1.37
14	p	513	CLA	C1D-ND	3.63	1.42	1.37
14	S	502	CLA	C1D-ND	3.63	1.42	1.37
14	m	506	CLA	C1D-ND	3.63	1.42	1.37
14	bA	1134	CLA	C1D-ND	3.62	1.42	1.37
14	c6	516	CLA	C1D-ND	3.62	1.42	1.37
14	U	510	CLA	C1D-ND	3.62	1.42	1.37
14	j	502	CLA	C1D-ND	3.62	1.42	1.37
14	cA	1801	CLA	C1D-ND	3.62	1.42	1.37
14	S	501	CLA	C1D-ND	3.62	1.42	1.37
14	S	503	CLA	C1D-ND	3.62	1.42	1.37
14	Y	501	CLA	C1D-ND	3.62	1.42	1.37
14	n	511	CLA	C1D-ND	3.62	1.42	1.37
14	a5	506	CLA	C1D-ND	3.62	1.42	1.37
14	bB	1208	CLA	C1D-ND	3.62	1.42	1.37
14	g	507	CLA	C1D-ND	3.62	1.42	1.37
14	a4	517	CLA	C1D-ND	3.62	1.42	1.37
14	c1	502	CLA	C1D-ND	3.62	1.42	1.37
14	Y	511	CLA	C1D-ND	3.62	1.42	1.37
14	l	506	CLA	C1D-ND	3.62	1.42	1.37
14	p	507	CLA	C1D-ND	3.62	1.42	1.37
14	q	506	CLA	C1D-ND	3.62	1.42	1.37
14	aA	1022	CLA	C1D-ND	3.62	1.42	1.37
14	a6	501	CLA	C1D-ND	3.62	1.42	1.37
14	c4	516	CLA	C1D-ND	3.62	1.42	1.37
14	S	504	CLA	C1D-ND	3.62	1.42	1.37
14	a6	511	CLA	C1D-ND	3.62	1.42	1.37
14	e	506	CLA	C1D-ND	3.62	1.42	1.37
14	h	503	CLA	C1D-ND	3.62	1.42	1.37
14	o	503	CLA	C1D-ND	3.62	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	aA	1111	CLA	C1D-ND	3.62	1.42	1.37
14	bJ	1303	CLA	C1D-ND	3.62	1.42	1.37
14	bK	1401	CLA	C1D-ND	3.62	1.42	1.37
14	cB	1228	CLA	C1D-ND	3.62	1.42	1.37
14	c5	513	CLA	C1D-ND	3.62	1.42	1.37
14	U	513	CLA	C1D-ND	3.62	1.42	1.37
14	g	506	CLA	C1D-ND	3.62	1.42	1.37
14	aB	1223	CLA	C1D-ND	3.62	1.42	1.37
14	a6	506	CLA	C1D-ND	3.62	1.42	1.37
14	q	504	CLA	C1D-ND	3.62	1.42	1.37
14	bK	1103	CLA	C1D-ND	3.62	1.42	1.37
14	a2	510	CLA	C1D-ND	3.62	1.42	1.37
14	a3	511	CLA	C1D-ND	3.62	1.42	1.37
14	b3	518	CLA	C1D-ND	3.62	1.42	1.37
14	b4	511	CLA	C1D-ND	3.62	1.42	1.37
14	c4	510	CLA	C1D-ND	3.62	1.42	1.37
14	p	501	CLA	C1D-ND	3.62	1.42	1.37
14	q	517	CLA	C1D-ND	3.62	1.42	1.37
14	bA	1135	CLA	C1D-ND	3.62	1.42	1.37
14	S	508	CLA	C1D-ND	3.62	1.42	1.37
14	S	509	CLA	C1D-ND	3.62	1.42	1.37
14	S	513	CLA	C1D-ND	3.62	1.42	1.37
14	d	506	CLA	C1D-ND	3.62	1.42	1.37
14	k	504	CLA	C1D-ND	3.62	1.42	1.37
14	aA	1135	CLA	C1D-ND	3.62	1.42	1.37
14	bB	1214	CLA	C1D-ND	3.62	1.42	1.37
14	c6	503	CLA	C1D-ND	3.62	1.42	1.37
14	e	517	CLA	C1D-ND	3.62	1.42	1.37
14	i	503	CLA	C1D-ND	3.62	1.42	1.37
14	i	508	CLA	C1D-ND	3.62	1.42	1.37
14	i	511	CLA	C1D-ND	3.62	1.42	1.37
14	aB	1232	CLA	C1D-ND	3.62	1.42	1.37
14	bA	1104	CLA	C1D-ND	3.62	1.42	1.37
14	c5	508	CLA	C1D-ND	3.62	1.42	1.37
14	c6	507	CLA	C1D-ND	3.62	1.42	1.37
14	U	507	CLA	C1D-ND	3.62	1.42	1.37
14	U	518	CLA	C1D-ND	3.62	1.42	1.37
14	e	501	CLA	C1D-ND	3.62	1.42	1.37
14	i	513	CLA	C1D-ND	3.62	1.42	1.37
14	b3	508	CLA	C1D-ND	3.61	1.42	1.37
14	b4	503	CLA	C1D-ND	3.61	1.42	1.37
14	c1	510	CLA	C1D-ND	3.61	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	aA	1110	CLA	C1D-ND	3.61	1.42	1.37
14	aB	1233	CLA	C1D-ND	3.61	1.42	1.37
14	a2	501	CLA	C1D-ND	3.61	1.42	1.37
14	cA	1108	CLA	C1D-ND	3.61	1.42	1.37
14	f	508	CLA	C1D-ND	3.61	1.42	1.37
14	g	501	CLA	C1D-ND	3.61	1.42	1.37
14	b1	503	CLA	C1D-ND	3.61	1.42	1.37
14	cK	1401	CLA	C1D-ND	3.61	1.42	1.37
14	c4	511	CLA	C1D-ND	3.61	1.42	1.37
14	T	510	CLA	C1D-ND	3.61	1.42	1.37
14	V	503	CLA	C1D-ND	3.61	1.42	1.37
14	V	506	CLA	C1D-ND	3.61	1.42	1.37
14	aA	1104	CLA	C1D-ND	3.61	1.42	1.37
14	c3	518	CLA	C1D-ND	3.61	1.42	1.37
14	h	519	CLA	C1D-ND	3.61	1.42	1.37
14	aK	1401	CLA	C1D-ND	3.61	1.42	1.37
14	a5	509	CLA	C1D-ND	3.61	1.42	1.37
14	b3	507	CLA	C1D-ND	3.61	1.42	1.37
14	b5	508	CLA	C1D-ND	3.61	1.42	1.37
14	cA	1138	CLA	C1D-ND	3.61	1.42	1.37
14	V	510	CLA	C1D-ND	3.61	1.42	1.37
14	W	508	CLA	C1D-ND	3.61	1.42	1.37
14	p	503	CLA	C1D-ND	3.61	1.42	1.37
14	aB	1209	CLA	C1D-ND	3.61	1.42	1.37
14	b2	508	CLA	C1D-ND	3.61	1.42	1.37
14	b6	511	CLA	C1D-ND	3.61	1.42	1.37
14	c5	501	CLA	C1D-ND	3.61	1.42	1.37
14	f	517	CLA	C1D-ND	3.61	1.42	1.37
14	q	519	CLA	C1D-ND	3.61	1.42	1.37
14	a2	513	CLA	C1D-ND	3.61	1.42	1.37
14	bB	1234	CLA	C1D-ND	3.61	1.42	1.37
14	X	503	CLA	C1D-ND	3.61	1.42	1.37
14	d	511	CLA	C1D-ND	3.61	1.42	1.37
14	a2	517	CLA	C1D-ND	3.61	1.42	1.37
14	cA	1132	CLA	C1D-ND	3.61	1.42	1.37
14	U	501	CLA	C1D-ND	3.61	1.42	1.37
14	m	508	CLA	C1D-ND	3.61	1.42	1.37
14	aB	1224	CLA	C1D-ND	3.61	1.42	1.37
14	a3	513	CLA	C1D-ND	3.61	1.42	1.37
14	a4	503	CLA	C1D-ND	3.61	1.42	1.37
14	b5	513	CLA	C1D-ND	3.61	1.42	1.37
14	a	511	CLA	C1D-ND	3.61	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	d	519	CLA	C1D-ND	3.61	1.42	1.37
14	aB	1212	CLA	C1D-ND	3.61	1.42	1.37
14	X	510	CLA	C1D-ND	3.61	1.42	1.37
14	c	516	CLA	C1D-ND	3.61	1.42	1.37
14	p	518	CLA	C1D-ND	3.61	1.42	1.37
14	a5	504	CLA	C1D-ND	3.61	1.42	1.37
14	bA	1120	CLA	C1D-ND	3.61	1.42	1.37
14	b3	516	CLA	C1D-ND	3.61	1.42	1.37
14	b6	516	CLA	C1D-ND	3.61	1.42	1.37
14	Y	516	CLA	C1D-ND	3.61	1.42	1.37
14	Y	519	CLA	C1D-ND	3.61	1.42	1.37
14	a	503	CLA	C1D-ND	3.61	1.42	1.37
14	b	518	CLA	C1D-ND	3.61	1.42	1.37
14	c	517	CLA	C1D-ND	3.61	1.42	1.37
14	k	516	CLA	C1D-ND	3.61	1.42	1.37
14	aA	1139	CLA	C1D-ND	3.61	1.42	1.37
14	X	519	CLA	C1D-ND	3.61	1.42	1.37
14	a	516	CLA	C1D-ND	3.61	1.42	1.37
14	j	519	CLA	C1D-ND	3.61	1.42	1.37
14	aB	1231	CLA	C1D-ND	3.61	1.42	1.37
14	b2	510	CLA	C1D-ND	3.61	1.42	1.37
14	b4	502	CLA	C1D-ND	3.61	1.42	1.37
14	i	502	CLA	C1D-ND	3.61	1.42	1.37
14	aA	1123	CLA	C1D-ND	3.60	1.42	1.37
14	bB	1232	CLA	C1D-ND	3.60	1.42	1.37
14	b3	501	CLA	C1D-ND	3.60	1.42	1.37
14	cA	1123	CLA	C1D-ND	3.60	1.42	1.37
14	c3	503	CLA	C1D-ND	3.60	1.42	1.37
14	e	509	CLA	C1D-ND	3.60	1.42	1.37
14	e	513	CLA	C1D-ND	3.60	1.42	1.37
14	m	517	CLA	C1D-ND	3.60	1.42	1.37
14	bB	1235	CLA	C1D-ND	3.60	1.42	1.37
14	cA	1115	CLA	C1D-ND	3.60	1.42	1.37
14	f	513	CLA	C1D-ND	3.60	1.42	1.37
14	o	504	CLA	C1D-ND	3.60	1.42	1.37
14	c4	506	CLA	C1D-ND	3.60	1.42	1.37
14	U	517	CLA	C1D-ND	3.60	1.42	1.37
14	c	508	CLA	C1D-ND	3.60	1.42	1.37
14	g	510	CLA	C1D-ND	3.60	1.42	1.37
14	l	508	CLA	C1D-ND	3.60	1.42	1.37
14	aB	1217	CLA	C1D-ND	3.60	1.42	1.37
14	aK	1103	CLA	C1D-ND	3.60	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	bB	1216	CLA	C1D-ND	3.60	1.42	1.37
14	cB	1021	CLA	C1D-ND	3.60	1.42	1.37
14	U	509	CLA	C1D-ND	3.60	1.42	1.37
14	Y	507	CLA	C1D-ND	3.60	1.42	1.37
14	g	511	CLA	C1D-ND	3.60	1.42	1.37
14	i	506	CLA	C1D-ND	3.60	1.42	1.37
14	bA	1123	CLA	C1D-ND	3.60	1.42	1.37
14	S	507	CLA	C1D-ND	3.60	1.42	1.37
14	T	506	CLA	C1D-ND	3.60	1.42	1.37
14	V	519	CLA	C1D-ND	3.60	1.42	1.37
14	p	509	CLA	C1D-ND	3.60	1.42	1.37
14	bA	1125	CLA	C1D-ND	3.60	1.42	1.37
14	b6	507	CLA	C1D-ND	3.60	1.42	1.37
14	c2	502	CLA	C1D-ND	3.60	1.42	1.37
14	T	502	CLA	C1D-ND	3.60	1.42	1.37
14	k	506	CLA	C1D-ND	3.60	1.42	1.37
14	o	511	CLA	C1D-ND	3.60	1.42	1.37
14	a2	508	CLA	C1D-ND	3.60	1.42	1.37
14	a6	510	CLA	C1D-ND	3.60	1.42	1.37
14	b4	507	CLA	C1D-ND	3.60	1.42	1.37
14	T	501	CLA	C1D-ND	3.60	1.42	1.37
14	f	503	CLA	C1D-ND	3.60	1.42	1.37
14	f	512	CLA	C1D-ND	3.60	1.42	1.37
14	aA	1134	CLA	C1D-ND	3.60	1.42	1.37
14	aB	1218	CLA	C1D-ND	3.60	1.42	1.37
14	cA	1112	CLA	C1D-ND	3.60	1.42	1.37
14	c1	501	CLA	C1D-ND	3.60	1.42	1.37
14	c3	507	CLA	C1D-ND	3.60	1.42	1.37
14	c4	513	CLA	C1D-ND	3.60	1.42	1.37
14	c6	504	CLA	C1D-ND	3.60	1.42	1.37
14	a	518	CLA	C1D-ND	3.60	1.42	1.37
14	d	513	CLA	C1D-ND	3.60	1.42	1.37
14	j	507	CLA	C1D-ND	3.60	1.42	1.37
14	a3	508	CLA	C1D-ND	3.60	1.42	1.37
14	a5	510	CLA	C1D-ND	3.60	1.42	1.37
14	a6	507	CLA	C1D-ND	3.60	1.42	1.37
14	cA	1122	CLA	C1D-ND	3.60	1.42	1.37
14	d	509	CLA	C1D-ND	3.60	1.42	1.37
14	h	502	CLA	C1D-ND	3.60	1.42	1.37
14	i	504	CLA	C1D-ND	3.60	1.42	1.37
14	a1	505	CLA	C1D-ND	3.60	1.42	1.37
14	cA	1113	CLA	C1D-ND	3.60	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	cB	1214	CLA	C1D-ND	3.60	1.42	1.37
14	c4	507	CLA	C1D-ND	3.60	1.42	1.37
14	T	513	CLA	C1D-ND	3.60	1.42	1.37
14	Z	502	CLA	C1D-ND	3.60	1.42	1.37
14	g	513	CLA	C1D-ND	3.60	1.42	1.37
14	a1	509	CLA	C1D-ND	3.60	1.42	1.37
14	a3	519	CLA	C1D-ND	3.60	1.42	1.37
14	bA	1122	CLA	C1D-ND	3.60	1.42	1.37
14	bA	1131	CLA	C1D-ND	3.60	1.42	1.37
14	bB	1218	CLA	C1D-ND	3.60	1.42	1.37
14	b4	506	CLA	C1D-ND	3.60	1.42	1.37
14	cA	1125	CLA	C1D-ND	3.60	1.42	1.37
14	c6	518	CLA	C1D-ND	3.60	1.42	1.37
14	a6	513	CLA	C1D-ND	3.60	1.42	1.37
14	bB	1223	CLA	C1D-ND	3.60	1.42	1.37
14	c5	516	CLA	C1D-ND	3.60	1.42	1.37
14	S	511	CLA	C1D-ND	3.60	1.42	1.37
14	b	503	CLA	C1D-ND	3.60	1.42	1.37
14	a3	503	CLA	C1D-ND	3.60	1.42	1.37
14	b4	501	CLA	C1D-ND	3.60	1.42	1.37
14	b4	509	CLA	C1D-ND	3.60	1.42	1.37
14	c2	511	CLA	C1D-ND	3.60	1.42	1.37
14	c3	509	CLA	C1D-ND	3.60	1.42	1.37
14	Y	513	CLA	C1D-ND	3.60	1.42	1.37
14	h	518	CLA	C1D-ND	3.60	1.42	1.37
14	aA	1113	CLA	C1D-ND	3.59	1.42	1.37
14	aA	1130	CLA	C1D-ND	3.59	1.42	1.37
14	aB	1021	CLA	C1D-ND	3.59	1.42	1.37
14	aB	1230	CLA	C1D-ND	3.59	1.42	1.37
14	a4	519	CLA	C1D-ND	3.59	1.42	1.37
14	bB	1233	CLA	C1D-ND	3.59	1.42	1.37
14	b1	507	CLA	C1D-ND	3.59	1.42	1.37
14	b2	517	CLA	C1D-ND	3.59	1.42	1.37
14	c1	519	CLA	C1D-ND	3.59	1.42	1.37
14	b	519	CLA	C1D-ND	3.59	1.42	1.37
14	d	508	CLA	C1D-ND	3.59	1.42	1.37
14	p	504	CLA	C1D-ND	3.59	1.42	1.37
14	a3	502	CLA	C1D-ND	3.59	1.42	1.37
14	a	502	CLA	C1D-ND	3.59	1.42	1.37
14	j	512	CLA	C1D-ND	3.59	1.42	1.37
14	k	519	CLA	C1D-ND	3.59	1.42	1.37
14	m	511	CLA	C1D-ND	3.59	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	o	516	CLA	C1D-ND	3.59	1.42	1.37
14	a4	507	CLA	C1D-ND	3.59	1.42	1.37
14	cA	1114	CLA	C1D-ND	3.59	1.42	1.37
14	V	507	CLA	C1D-ND	3.59	1.42	1.37
14	e	511	CLA	C1D-ND	3.59	1.42	1.37
14	l	501	CLA	C1D-ND	3.59	1.42	1.37
14	n	504	CLA	C1D-ND	3.59	1.42	1.37
14	a1	508	CLA	C1D-ND	3.59	1.42	1.37
14	a2	519	CLA	C1D-ND	3.59	1.42	1.37
14	bA	1136	CLA	C1D-ND	3.59	1.42	1.37
14	b1	509	CLA	C1D-ND	3.59	1.42	1.37
14	cK	1103	CLA	C1D-ND	3.59	1.42	1.37
14	c5	517	CLA	C1D-ND	3.59	1.42	1.37
14	a4	506	CLA	C1D-ND	3.59	1.42	1.37
14	b3	504	CLA	C1D-ND	3.59	1.42	1.37
14	cA	1106	CLA	C1D-ND	3.59	1.42	1.37
14	l	519	CLA	C1D-ND	3.59	1.42	1.37
14	m	518	CLA	C1D-ND	3.59	1.42	1.37
14	aA	1121	CLA	C1D-ND	3.59	1.42	1.37
14	bA	1121	CLA	C1D-ND	3.59	1.42	1.37
14	cB	1229	CLA	C1D-ND	3.59	1.42	1.37
14	c1	507	CLA	C1D-ND	3.59	1.42	1.37
14	S	518	CLA	C1D-ND	3.59	1.42	1.37
14	X	506	CLA	C1D-ND	3.59	1.42	1.37
14	a	507	CLA	C1D-ND	3.59	1.42	1.37
14	k	509	CLA	C1D-ND	3.59	1.42	1.37
14	aA	1114	CLA	C1D-ND	3.59	1.42	1.37
14	b2	501	CLA	C1D-ND	3.59	1.42	1.37
14	c5	507	CLA	C1D-ND	3.59	1.42	1.37
14	W	510	CLA	C1D-ND	3.59	1.42	1.37
14	o	508	CLA	C1D-ND	3.59	1.42	1.37
14	b5	518	CLA	C1D-ND	3.59	1.42	1.37
14	cB	1201	CLA	C1D-ND	3.59	1.42	1.37
14	cB	1217	CLA	C1D-ND	3.59	1.42	1.37
14	c1	509	CLA	C1D-ND	3.59	1.42	1.37
14	c2	508	CLA	C1D-ND	3.59	1.42	1.37
14	Y	517	CLA	C1D-ND	3.59	1.42	1.37
14	b	510	CLA	C1D-ND	3.59	1.42	1.37
14	b	513	CLA	C1D-ND	3.59	1.42	1.37
14	j	516	CLA	C1D-ND	3.59	1.42	1.37
14	m	513	CLA	C1D-ND	3.59	1.42	1.37
14	aB	1214	CLA	C1D-ND	3.59	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a3	507	CLA	C1D-ND	3.59	1.42	1.37
14	bX	1401	CLA	C1D-ND	3.59	1.42	1.37
14	c5	511	CLA	C1D-ND	3.59	1.42	1.37
14	W	507	CLA	C1D-ND	3.59	1.42	1.37
14	c	501	CLA	C1D-ND	3.59	1.42	1.37
14	e	505	CLA	C1D-ND	3.59	1.42	1.37
14	e	512	CLA	C1D-ND	3.59	1.42	1.37
14	aB	1215	CLA	C1D-ND	3.59	1.42	1.37
14	V	501	CLA	C1D-ND	3.59	1.42	1.37
14	b	517	CLA	C1D-ND	3.59	1.42	1.37
14	aA	1119	CLA	C1D-ND	3.59	1.42	1.37
14	aA	1125	CLA	C1D-ND	3.59	1.42	1.37
14	a2	518	CLA	C1D-ND	3.59	1.42	1.37
14	a5	503	CLA	C1D-ND	3.59	1.42	1.37
14	bA	1103	CLA	C1D-ND	3.59	1.42	1.37
14	b	505	CLA	C1D-ND	3.59	1.42	1.37
14	n	517	CLA	C1D-ND	3.59	1.42	1.37
14	b5	506	CLA	C1D-ND	3.59	1.42	1.37
14	j	518	CLA	C1D-ND	3.59	1.42	1.37
14	a1	507	CLA	C1D-ND	3.59	1.42	1.37
14	a5	512	CLA	C1D-ND	3.59	1.42	1.37
14	bB	1021	CLA	C1D-ND	3.59	1.42	1.37
14	b1	506	CLA	C1D-ND	3.59	1.42	1.37
14	b1	519	CLA	C1D-ND	3.59	1.42	1.37
14	c4	517	CLA	C1D-ND	3.59	1.42	1.37
14	U	506	CLA	C1D-ND	3.59	1.42	1.37
14	Z	504	CLA	C1D-ND	3.59	1.42	1.37
14	Z	517	CLA	C1D-ND	3.59	1.42	1.37
14	m	501	CLA	C1D-ND	3.59	1.42	1.37
14	m	509	CLA	C1D-ND	3.59	1.42	1.37
14	a1	506	CLA	C1D-ND	3.58	1.42	1.37
14	a3	516	CLA	C1D-ND	3.58	1.42	1.37
14	bB	1236	CLA	C1D-ND	3.58	1.42	1.37
14	X	517	CLA	C1D-ND	3.58	1.42	1.37
14	Z	506	CLA	C1D-ND	3.58	1.42	1.37
14	c	509	CLA	C1D-ND	3.58	1.42	1.37
14	c6	501	CLA	C1D-ND	3.58	1.42	1.37
14	c6	508	CLA	C1D-ND	3.58	1.42	1.37
14	f	501	CLA	C1D-ND	3.58	1.42	1.37
14	aL	1503	CLA	C1D-ND	3.58	1.42	1.37
14	a3	501	CLA	C1D-ND	3.58	1.42	1.37
14	c4	509	CLA	C1D-ND	3.58	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	W	511	CLA	C1D-ND	3.58	1.42	1.37
14	d	510	CLA	C1D-ND	3.58	1.42	1.37
14	a4	516	CLA	C1D-ND	3.58	1.42	1.37
14	a5	501	CLA	C1D-ND	3.58	1.42	1.37
14	j	513	CLA	C1D-ND	3.58	1.42	1.37
14	m	507	CLA	C1D-ND	3.58	1.42	1.37
14	a3	510	CLA	C1D-ND	3.58	1.42	1.37
14	b5	519	CLA	C1D-ND	3.58	1.42	1.37
14	cA	1121	CLA	C1D-ND	3.58	1.42	1.37
14	cB	1236	CLA	C1D-ND	3.58	1.42	1.37
14	Z	507	CLA	C1D-ND	3.58	1.42	1.37
14	b	508	CLA	C1D-ND	3.58	1.42	1.37
14	b	509	CLA	C1D-ND	3.58	1.42	1.37
14	f	509	CLA	C1D-ND	3.58	1.42	1.37
14	o	509	CLA	C1D-ND	3.58	1.42	1.37
14	q	502	CLA	C1D-ND	3.58	1.42	1.37
14	aA	1140	CLA	C1D-ND	3.58	1.42	1.37
14	a5	513	CLA	C1D-ND	3.58	1.42	1.37
14	cA	1111	CLA	C1D-ND	3.58	1.42	1.37
14	b	506	CLA	C1D-ND	3.58	1.42	1.37
14	c	513	CLA	C1D-ND	3.58	1.42	1.37
14	l	510	CLA	C1D-ND	3.58	1.42	1.37
14	o	519	CLA	C1D-ND	3.58	1.42	1.37
14	q	510	CLA	C1D-ND	3.58	1.42	1.37
14	aA	1131	CLA	C1D-ND	3.58	1.42	1.37
14	c2	516	CLA	C1D-ND	3.58	1.42	1.37
14	b	512	CLA	C1D-ND	3.58	1.42	1.37
14	o	513	CLA	C1D-ND	3.58	1.42	1.37
14	cB	1210	CLA	C1D-ND	3.58	1.42	1.37
14	T	518	CLA	C1D-ND	3.58	1.42	1.37
14	f	506	CLA	C1D-ND	3.58	1.42	1.37
14	aA	1138	CLA	C1D-ND	3.58	1.42	1.37
14	bA	1111	CLA	C1D-ND	3.58	1.42	1.37
14	bA	1138	CLA	C1D-ND	3.58	1.42	1.37
14	c1	517	CLA	C1D-ND	3.58	1.42	1.37
14	c2	512	CLA	C1D-ND	3.58	1.42	1.37
14	c3	513	CLA	C1D-ND	3.58	1.42	1.37
14	U	519	CLA	C1D-ND	3.58	1.42	1.37
14	n	506	CLA	C1D-ND	3.58	1.42	1.37
14	bB	1213	CLA	C1D-ND	3.58	1.42	1.37
14	cL	1503	CLA	C1D-ND	3.58	1.42	1.37
14	cA	1140	CLA	C1D-ND	3.58	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	513	CLA	C1D-ND	3.58	1.42	1.37
14	b	516	CLA	C1D-ND	3.58	1.42	1.37
14	n	507	CLA	C1D-ND	3.58	1.42	1.37
14	p	517	CLA	C1D-ND	3.58	1.42	1.37
14	aA	1108	CLA	C1D-ND	3.58	1.42	1.37
14	aB	1228	CLA	C1D-ND	3.58	1.42	1.37
14	a3	506	CLA	C1D-ND	3.58	1.42	1.37
14	bA	1109	CLA	C1D-ND	3.58	1.42	1.37
14	bB	1215	CLA	C1D-ND	3.58	1.42	1.37
14	cA	1110	CLA	C1D-ND	3.58	1.42	1.37
14	cF	1301	CLA	C1D-ND	3.58	1.42	1.37
14	c5	504	CLA	C1D-ND	3.58	1.42	1.37
14	c	506	CLA	C1D-ND	3.58	1.42	1.37
14	f	504	CLA	C1D-ND	3.58	1.42	1.37
14	j	506	CLA	C1D-ND	3.58	1.42	1.37
14	n	502	CLA	C1D-ND	3.58	1.42	1.37
14	aA	1133	CLA	C1D-ND	3.58	1.42	1.37
14	cB	1208	CLA	C1D-ND	3.58	1.42	1.37
14	c2	510	CLA	C1D-ND	3.58	1.42	1.37
14	c6	509	CLA	C1D-ND	3.58	1.42	1.37
14	h	505	CLA	C1D-ND	3.58	1.42	1.37
14	n	510	CLA	C1D-ND	3.58	1.42	1.37
14	q	513	CLA	C1D-ND	3.58	1.42	1.37
14	bA	1117	CLA	C1D-ND	3.58	1.42	1.37
14	bB	1231	CLA	C1D-ND	3.58	1.42	1.37
14	b4	513	CLA	C1D-ND	3.58	1.42	1.37
14	b6	508	CLA	C1D-ND	3.58	1.42	1.37
14	b6	512	CLA	C1D-ND	3.58	1.42	1.37
14	c3	519	CLA	C1D-ND	3.58	1.42	1.37
14	d	504	CLA	C1D-ND	3.58	1.42	1.37
14	p	512	CLA	C1D-ND	3.58	1.42	1.37
14	a1	501	CLA	C1D-ND	3.57	1.42	1.37
14	a5	519	CLA	C1D-ND	3.57	1.42	1.37
14	a6	516	CLA	C1D-ND	3.57	1.42	1.37
14	bF	1301	CLA	C1D-ND	3.57	1.42	1.37
14	b2	504	CLA	C1D-ND	3.57	1.42	1.37
14	b2	509	CLA	C1D-ND	3.57	1.42	1.37
14	g	517	CLA	C1D-ND	3.57	1.42	1.37
14	a1	503	CLA	C1D-ND	3.57	1.42	1.37
14	bA	1108	CLA	C1D-ND	3.57	1.42	1.37
14	bB	1210	CLA	C1D-ND	3.57	1.42	1.37
14	c2	519	CLA	C1D-ND	3.57	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	T	519	CLA	C1D-ND	3.57	1.42	1.37
14	e	504	CLA	C1D-ND	3.57	1.42	1.37
14	m	510	CLA	C1D-ND	3.57	1.42	1.37
14	aA	1112	CLA	C1D-ND	3.57	1.42	1.37
14	bA	1105	CLA	C1D-ND	3.57	1.42	1.37
14	bB	1217	CLA	C1D-ND	3.57	1.42	1.37
14	b1	502	CLA	C1D-ND	3.57	1.42	1.37
14	b6	510	CLA	C1D-ND	3.57	1.42	1.37
14	c5	512	CLA	C1D-ND	3.57	1.42	1.37
14	a	519	CLA	C1D-ND	3.57	1.42	1.37
14	i	510	CLA	C1D-ND	3.57	1.42	1.37
14	aB	1229	CLA	C1D-ND	3.57	1.42	1.37
14	a1	504	CLA	C1D-ND	3.57	1.42	1.37
14	a1	517	CLA	C1D-ND	3.57	1.42	1.37
14	a6	502	CLA	C1D-ND	3.57	1.42	1.37
14	bB	1204	CLA	C1D-ND	3.57	1.42	1.37
14	bJ	1302	CLA	C1D-ND	3.57	1.42	1.37
14	b5	517	CLA	C1D-ND	3.57	1.42	1.37
14	c1	504	CLA	C1D-ND	3.57	1.42	1.37
14	c5	518	CLA	C1D-ND	3.57	1.42	1.37
14	c	511	CLA	C1D-ND	3.57	1.42	1.37
14	j	511	CLA	C1D-ND	3.57	1.42	1.37
14	n	519	CLA	C1D-ND	3.57	1.42	1.37
14	a4	504	CLA	C1D-ND	3.57	1.42	1.37
14	bB	1221	CLA	C1D-ND	3.57	1.42	1.37
14	b4	519	CLA	C1D-ND	3.57	1.42	1.37
14	c1	508	CLA	C1D-ND	3.57	1.42	1.37
14	a	510	CLA	C1D-ND	3.57	1.42	1.37
14	b	507	CLA	C1D-ND	3.57	1.42	1.37
14	d	512	CLA	C1D-ND	3.57	1.42	1.37
14	g	509	CLA	C1D-ND	3.57	1.42	1.37
14	h	510	CLA	C1D-ND	3.57	1.42	1.37
14	aA	1120	CLA	C1D-ND	3.57	1.42	1.37
14	b1	508	CLA	C1D-ND	3.57	1.42	1.37
14	b3	503	CLA	C1D-ND	3.57	1.42	1.37
14	b4	518	CLA	C1D-ND	3.57	1.42	1.37
14	a2	503	CLA	C1D-ND	3.57	1.42	1.37
14	a5	517	CLA	C1D-ND	3.57	1.42	1.37
14	cB	1235	CLA	C1D-ND	3.57	1.42	1.37
14	l	509	CLA	C1D-ND	3.57	1.42	1.37
14	bA	1113	CLA	C1D-ND	3.57	1.42	1.37
14	bA	1132	CLA	C1D-ND	3.57	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	bB	1201	CLA	C1D-ND	3.57	1.42	1.37
14	b1	510	CLA	C1D-ND	3.57	1.42	1.37
14	b2	507	CLA	C1D-ND	3.57	1.42	1.37
14	cB	1223	CLA	C1D-ND	3.57	1.42	1.37
14	c3	510	CLA	C1D-ND	3.57	1.42	1.37
14	j	509	CLA	C1D-ND	3.57	1.42	1.37
14	j	510	CLA	C1D-ND	3.57	1.42	1.37
14	k	512	CLA	C1D-ND	3.57	1.42	1.37
14	l	504	CLA	C1D-ND	3.57	1.42	1.37
14	aB	1201	CLA	C1D-ND	3.57	1.42	1.37
14	cB	1226	CLA	C1D-ND	3.57	1.42	1.37
14	T	509	CLA	C1D-ND	3.57	1.42	1.37
14	U	511	CLA	C1D-ND	3.57	1.42	1.37
14	m	512	CLA	C1D-ND	3.57	1.42	1.37
14	a4	508	CLA	C1D-ND	3.57	1.42	1.37
14	bL	1503	CLA	C1D-ND	3.57	1.42	1.37
14	cA	1022	CLA	C1D-ND	3.57	1.42	1.37
14	cB	1227	CLA	C1D-ND	3.57	1.42	1.37
14	X	502	CLA	C1D-ND	3.57	1.42	1.37
14	Z	518	CLA	C1D-ND	3.57	1.42	1.37
14	k	518	CLA	C1D-ND	3.57	1.42	1.37
14	m	504	CLA	C1D-ND	3.57	1.42	1.37
14	n	508	CLA	C1D-ND	3.57	1.42	1.37
14	a2	506	CLA	C1D-ND	3.57	1.42	1.37
14	bA	1112	CLA	C1D-ND	3.57	1.42	1.37
14	b6	513	CLA	C1D-ND	3.57	1.42	1.37
14	cB	1216	CLA	C1D-ND	3.57	1.42	1.37
14	c3	502	CLA	C1D-ND	3.57	1.42	1.37
14	c4	519	CLA	C1D-ND	3.57	1.42	1.37
14	aA	1118	CLA	C1D-ND	3.57	1.42	1.37
14	a6	508	CLA	C1D-ND	3.57	1.42	1.37
14	b1	504	CLA	C1D-ND	3.57	1.42	1.37
14	T	508	CLA	C1D-ND	3.57	1.42	1.37
14	l	503	CLA	C1D-ND	3.57	1.42	1.37
14	o	506	CLA	C1D-ND	3.57	1.42	1.37
14	S	510	CLA	C1D-ND	3.57	1.42	1.37
14	X	508	CLA	C1D-ND	3.57	1.42	1.37
14	k	510	CLA	C1D-ND	3.57	1.42	1.37
14	k	513	CLA	C1D-ND	3.57	1.42	1.37
14	cB	1213	CLA	C1D-ND	3.56	1.42	1.37
14	cB	1230	CLA	C1D-ND	3.56	1.42	1.37
14	c4	504	CLA	C1D-ND	3.56	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	c6	512	CLA	C1D-ND	3.56	1.42	1.37
14	a	506	CLA	C1D-ND	3.56	1.42	1.37
14	d	501	CLA	C1D-ND	3.56	1.42	1.37
14	j	517	CLA	C1D-ND	3.56	1.42	1.37
14	aA	1011	CLA	C1D-ND	3.56	1.42	1.37
14	c3	501	CLA	C1D-ND	3.56	1.42	1.37
14	Z	516	CLA	C1D-ND	3.56	1.42	1.37
14	h	507	CLA	C1D-ND	3.56	1.42	1.37
14	aA	1109	CLA	C1D-ND	3.56	1.42	1.37
14	aF	1301	CLA	C1D-ND	3.56	1.42	1.37
14	a1	518	CLA	C1D-ND	3.56	1.42	1.37
14	cB	1238	CLA	C1D-ND	3.56	1.42	1.37
14	p	508	CLA	C1D-ND	3.56	1.42	1.37
14	bB	1227	CLA	C1D-ND	3.56	1.42	1.37
14	b6	509	CLA	C1D-ND	3.56	1.42	1.37
14	cA	1135	CLA	C1D-ND	3.56	1.42	1.37
14	f	510	CLA	C1D-ND	3.56	1.42	1.37
14	a5	508	CLA	C1D-ND	3.56	1.42	1.37
14	b3	506	CLA	C1D-ND	3.56	1.42	1.37
14	cA	1128	CLA	C1D-ND	3.56	1.42	1.37
14	cB	1225	CLA	C1D-ND	3.56	1.42	1.37
14	h	504	CLA	C1D-ND	3.56	1.42	1.37
14	aA	1132	CLA	C1D-ND	3.56	1.42	1.37
14	aX	1401	CLA	C1D-ND	3.56	1.42	1.37
14	a1	510	CLA	C1D-ND	3.56	1.42	1.37
14	a6	512	CLA	C1D-ND	3.56	1.42	1.37
14	b2	518	CLA	C1D-ND	3.56	1.42	1.37
14	c1	518	CLA	C1D-ND	3.56	1.42	1.37
14	c3	504	CLA	C1D-ND	3.56	1.42	1.37
14	g	519	CLA	C1D-ND	3.56	1.42	1.37
14	h	509	CLA	C1D-ND	3.56	1.42	1.37
14	cB	1215	CLA	C1D-ND	3.56	1.42	1.37
14	c1	513	CLA	C1D-ND	3.56	1.42	1.37
14	aB	1208	CLA	C1D-ND	3.56	1.42	1.37
14	cA	1130	CLA	C1D-ND	3.56	1.42	1.37
14	T	511	CLA	C1D-ND	3.56	1.42	1.37
14	U	504	CLA	C1D-ND	3.56	1.42	1.37
14	X	516	CLA	C1D-ND	3.56	1.42	1.37
14	Y	502	CLA	C1D-ND	3.56	1.42	1.37
14	Z	501	CLA	C1D-ND	3.56	1.42	1.37
14	i	512	CLA	C1D-ND	3.56	1.42	1.37
14	m	516	CLA	C1D-ND	3.56	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	c3	512	CLA	C1D-ND	3.56	1.42	1.37
14	aA	1116	CLA	C1D-ND	3.56	1.42	1.37
14	bL	1501	CLA	C1D-ND	3.56	1.42	1.37
14	cA	1116	CLA	C1D-ND	3.56	1.42	1.37
14	c6	505	CLA	C1D-ND	3.56	1.42	1.37
14	Y	509	CLA	C1D-ND	3.56	1.42	1.37
14	i	509	CLA	C1D-ND	3.56	1.42	1.37
14	b1	518	CLA	C1D-ND	3.56	1.42	1.37
14	b5	511	CLA	C1D-ND	3.56	1.42	1.37
14	n	501	CLA	C1D-ND	3.56	1.42	1.37
14	q	516	CLA	C1D-ND	3.56	1.42	1.37
14	a5	507	CLA	C1D-ND	3.56	1.42	1.37
14	a5	511	CLA	C1D-ND	3.56	1.42	1.37
14	b6	517	CLA	C1D-ND	3.56	1.42	1.37
14	Z	519	CLA	C1D-ND	3.56	1.42	1.37
14	b5	503	CLA	C1D-ND	3.56	1.42	1.37
14	m	505	CLA	C1D-ND	3.56	1.42	1.37
14	bA	1133	CLA	C1D-ND	3.55	1.42	1.37
14	c1	503	CLA	C1D-ND	3.55	1.42	1.37
14	W	504	CLA	C1D-ND	3.55	1.42	1.37
14	aB	1235	CLA	C1D-ND	3.55	1.42	1.37
14	bA	1140	CLA	C1D-ND	3.55	1.42	1.37
14	b6	506	CLA	C1D-ND	3.55	1.42	1.37
14	a	504	CLA	C1D-ND	3.55	1.42	1.37
14	q	503	CLA	C1D-ND	3.55	1.42	1.37
14	aA	1105	CLA	C1D-ND	3.55	1.42	1.37
14	aB	1012	CLA	C1D-ND	3.55	1.42	1.37
14	bB	1222	CLA	C1D-ND	3.55	1.42	1.37
14	cA	1129	CLA	C1D-ND	3.55	1.42	1.37
14	aB	1222	CLA	C1D-ND	3.55	1.42	1.37
14	cB	1204	CLA	C1D-ND	3.55	1.42	1.37
14	cB	1224	CLA	C1D-ND	3.55	1.42	1.37
14	c6	506	CLA	C1D-ND	3.55	1.42	1.37
14	V	512	CLA	C1D-ND	3.55	1.42	1.37
14	W	509	CLA	C1D-ND	3.55	1.42	1.37
14	i	518	CLA	C1D-ND	3.55	1.42	1.37
14	a1	512	CLA	C1D-ND	3.55	1.42	1.37
14	a2	504	CLA	C1D-ND	3.55	1.42	1.37
14	b1	517	CLA	C1D-ND	3.55	1.42	1.37
14	b2	519	CLA	C1D-ND	3.55	1.42	1.37
14	b4	517	CLA	C1D-ND	3.55	1.42	1.37
14	b5	510	CLA	C1D-ND	3.55	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	X	509	CLA	C1D-ND	3.55	1.42	1.37
14	aB	1225	CLA	C1D-ND	3.55	1.42	1.37
14	bA	1129	CLA	C1D-ND	3.55	1.42	1.37
14	bB	1238	CLA	C1D-ND	3.55	1.42	1.37
14	V	511	CLA	C1D-ND	3.55	1.42	1.37
14	Y	506	CLA	C1D-ND	3.55	1.42	1.37
14	b5	502	CLA	C1D-ND	3.55	1.42	1.37
14	b6	505	CLA	C1D-ND	3.55	1.42	1.37
14	c2	518	CLA	C1D-ND	3.55	1.42	1.37
14	c6	510	CLA	C1D-ND	3.55	1.42	1.37
14	b3	513	CLA	C1D-ND	3.55	1.42	1.37
14	cA	1109	CLA	C1D-ND	3.55	1.42	1.37
14	bA	1116	CLA	C1D-ND	3.55	1.42	1.37
14	b2	512	CLA	C1D-ND	3.55	1.42	1.37
14	cB	1012	CLA	C1D-ND	3.55	1.42	1.37
14	S	505	CLA	C1D-ND	3.55	1.42	1.37
14	e	510	CLA	C1D-ND	3.55	1.42	1.37
14	l	516	CLA	C1D-ND	3.55	1.42	1.37
14	b4	508	CLA	C1D-ND	3.55	1.42	1.37
14	W	506	CLA	C1D-ND	3.55	1.42	1.37
14	c	504	CLA	C1D-ND	3.55	1.42	1.37
14	l	512	CLA	C1D-ND	3.55	1.42	1.37
14	a5	502	CLA	C1D-ND	3.55	1.42	1.37
14	bA	1114	CLA	C1D-ND	3.55	1.42	1.37
14	b2	513	CLA	C1D-ND	3.55	1.42	1.37
14	c5	509	CLA	C1D-ND	3.55	1.42	1.37
14	e	518	CLA	C1D-ND	3.55	1.42	1.37
14	n	516	CLA	C1D-ND	3.55	1.42	1.37
14	bB	1230	CLA	C1D-ND	3.55	1.42	1.37
14	b3	505	CLA	C1D-ND	3.55	1.42	1.37
14	X	518	CLA	C1D-ND	3.55	1.42	1.37
14	k	505	CLA	C1D-ND	3.55	1.42	1.37
14	aA	1128	CLA	C1D-ND	3.55	1.42	1.37
14	a6	509	CLA	C1D-ND	3.55	1.42	1.37
14	c2	501	CLA	C1D-ND	3.55	1.42	1.37
14	c2	504	CLA	C1D-ND	3.55	1.42	1.37
14	V	504	CLA	C1D-ND	3.55	1.42	1.37
14	o	505	CLA	C1D-ND	3.55	1.42	1.37
14	W	517	CLA	C1D-ND	3.54	1.42	1.37
14	Y	510	CLA	C1D-ND	3.54	1.42	1.37
14	aB	1206	CLA	C1D-ND	3.54	1.42	1.37
14	a3	509	CLA	C1D-ND	3.54	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	bA	1110	CLA	C1D-ND	3.54	1.42	1.37
14	cA	1104	CLA	C1D-ND	3.54	1.42	1.37
14	c2	509	CLA	C1D-ND	3.54	1.42	1.37
14	c	510	CLA	C1D-ND	3.54	1.42	1.37
14	b4	510	CLA	C1D-ND	3.54	1.42	1.37
14	cA	1133	CLA	C1D-ND	3.54	1.42	1.37
14	V	518	CLA	C1D-ND	3.54	1.42	1.37
14	bA	1130	CLA	C1D-ND	3.54	1.42	1.37
14	c2	506	CLA	C1D-ND	3.54	1.42	1.37
14	X	511	CLA	C1D-ND	3.54	1.42	1.37
14	Z	509	CLA	C1D-ND	3.54	1.42	1.37
14	h	511	CLA	C1D-ND	3.54	1.42	1.37
14	d	517	CLA	C1D-ND	3.54	1.42	1.37
14	h	517	CLA	C1D-ND	3.54	1.42	1.37
14	n	505	CLA	C1D-ND	3.54	1.42	1.37
14	aA	1136	CLA	C1D-ND	3.54	1.42	1.37
14	a4	509	CLA	C1D-ND	3.54	1.42	1.37
14	c5	519	CLA	C1D-ND	3.54	1.42	1.37
14	q	509	CLA	C1D-ND	3.54	1.42	1.37
14	b4	505	CLA	C1D-ND	3.54	1.42	1.37
14	cL	1501	CLA	C1D-ND	3.54	1.42	1.37
14	c3	508	CLA	C1D-ND	3.54	1.42	1.37
14	c4	518	CLA	C1D-ND	3.54	1.42	1.37
14	h	506	CLA	C1D-ND	3.54	1.42	1.37
14	o	510	CLA	C1D-ND	3.54	1.42	1.37
14	aB	1205	CLA	C1D-ND	3.54	1.42	1.37
14	a4	518	CLA	C1D-ND	3.54	1.42	1.37
14	V	517	CLA	C1D-ND	3.54	1.42	1.37
14	a	509	CLA	C1D-ND	3.54	1.42	1.37
14	c	505	CLA	C1D-ND	3.54	1.42	1.37
14	f	519	CLA	C1D-ND	3.54	1.42	1.37
14	aB	1203	CLA	C1D-ND	3.54	1.42	1.37
14	aB	1211	CLA	C1D-ND	3.54	1.42	1.37
14	b6	518	CLA	C1D-ND	3.54	1.42	1.37
14	d	518	CLA	C1D-ND	3.54	1.42	1.37
14	bA	1801	CLA	C1D-ND	3.54	1.42	1.37
14	b4	516	CLA	C1D-ND	3.54	1.42	1.37
14	c4	502	CLA	C1D-ND	3.54	1.42	1.37
14	Y	504	CLA	C1D-ND	3.54	1.42	1.37
14	j	505	CLA	C1D-ND	3.54	1.42	1.37
14	o	518	CLA	C1D-ND	3.54	1.42	1.37
14	aA	1115	CLA	C1D-ND	3.54	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a4	502	CLA	C1D-ND	3.54	1.42	1.37
14	c5	506	CLA	C1D-ND	3.54	1.42	1.37
14	T	504	CLA	C1D-ND	3.54	1.42	1.37
14	a2	502	CLA	C1D-ND	3.53	1.42	1.37
14	bA	1101	CLA	C1D-ND	3.53	1.42	1.37
14	bA	1139	CLA	C1D-ND	3.53	1.42	1.37
14	cA	1117	CLA	C1D-ND	3.53	1.42	1.37
14	U	512	CLA	C1D-ND	3.53	1.42	1.37
14	g	505	CLA	C1D-ND	3.53	1.42	1.37
14	g	508	CLA	C1D-ND	3.53	1.42	1.37
14	h	508	CLA	C1D-ND	3.53	1.42	1.37
14	aA	1117	CLA	C1D-ND	3.53	1.42	1.37
14	bB	1202	CLA	C1D-ND	3.53	1.42	1.37
14	aB	1221	CLA	C1D-ND	3.53	1.42	1.37
14	bB	1225	CLA	C1D-ND	3.53	1.42	1.37
14	b3	509	CLA	C1D-ND	3.53	1.42	1.37
14	cA	1119	CLA	C1D-ND	3.53	1.42	1.37
14	cB	1212	CLA	C1D-ND	3.53	1.42	1.37
14	p	510	CLA	C1D-ND	3.53	1.42	1.37
14	cA	1105	CLA	C1D-ND	3.53	1.42	1.37
14	l	518	CLA	C1D-ND	3.53	1.42	1.37
14	cA	1136	CLA	C1D-ND	3.53	1.42	1.37
14	aB	1213	CLA	C1D-ND	3.53	1.42	1.37
14	g	504	CLA	C1D-ND	3.53	1.42	1.37
14	V	509	CLA	C1D-ND	3.53	1.42	1.37
14	Y	508	CLA	C1D-ND	3.53	1.42	1.37
14	b3	510	CLA	C1D-ND	3.53	1.42	1.37
14	cX	1401	CLA	C1D-ND	3.53	1.42	1.37
14	V	502	CLA	C1D-ND	3.53	1.42	1.37
14	e	508	CLA	C1D-ND	3.53	1.42	1.37
14	cA	1124	CLA	C1D-ND	3.53	1.42	1.37
14	c4	508	CLA	C1D-ND	3.53	1.42	1.37
14	W	516	CLA	C1D-ND	3.53	1.42	1.37
14	cA	1131	CLA	C1D-ND	3.53	1.42	1.37
14	cA	1139	CLA	C1D-ND	3.53	1.42	1.37
14	cB	1232	CLA	C1D-ND	3.53	1.42	1.37
14	aA	1129	CLA	C1D-ND	3.53	1.42	1.37
14	a3	504	CLA	C1D-ND	3.53	1.42	1.37
14	a5	518	CLA	C1D-ND	3.53	1.42	1.37
14	bB	1203	CLA	C1D-ND	3.53	1.42	1.37
14	cB	1211	CLA	C1D-ND	3.53	1.42	1.37
14	b1	516	CLA	C1D-ND	3.52	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	cA	1127	CLA	C1D-ND	3.52	1.42	1.37
14	cA	1103	CLA	C1D-ND	3.52	1.42	1.37
14	bA	1115	CLA	C1D-ND	3.52	1.42	1.37
14	bA	1237	CLA	C1D-ND	3.52	1.42	1.37
14	n	518	CLA	C1D-ND	3.52	1.42	1.37
14	b3	502	CLA	C1D-ND	3.52	1.42	1.37
14	a1	502	CLA	C1D-ND	3.52	1.42	1.37
14	c	512	CLA	C1D-ND	3.52	1.42	1.37
14	d	505	CLA	C1D-ND	3.52	1.42	1.37
14	cB	1206	CLA	C1D-ND	3.52	1.42	1.37
14	c5	503	CLA	C1D-ND	3.52	1.42	1.37
14	W	518	CLA	C1D-ND	3.52	1.42	1.37
14	aA	1101	CLA	C1D-ND	3.52	1.42	1.37
14	S	517	CLA	C1D-ND	3.52	1.42	1.37
14	aA	1237	CLA	C1D-ND	3.52	1.42	1.37
14	a6	504	CLA	C1D-ND	3.52	1.42	1.37
14	cB	1203	CLA	C1D-ND	3.52	1.42	1.37
14	g	518	CLA	C1D-ND	3.52	1.42	1.37
14	aB	1238	CLA	C1D-ND	3.52	1.42	1.37
14	a2	512	CLA	C1D-ND	3.52	1.42	1.37
14	a2	516	CLA	C1D-ND	3.52	1.42	1.37
14	bA	1102	CLA	C1D-ND	3.52	1.42	1.37
14	bB	1206	CLA	C1D-ND	3.52	1.42	1.37
14	b5	512	CLA	C1D-ND	3.52	1.42	1.37
14	cA	1102	CLA	C1D-ND	3.52	1.42	1.37
14	p	516	CLA	C1D-ND	3.52	1.42	1.37
14	aA	1103	CLA	C1D-ND	3.51	1.42	1.37
14	bB	1226	CLA	C1D-ND	3.51	1.42	1.37
14	cA	1126	CLA	C1D-ND	3.51	1.42	1.37
14	c4	503	CLA	C1D-ND	3.51	1.42	1.37
14	c4	505	CLA	C1D-ND	3.51	1.42	1.37
14	a3	512	CLA	C1D-ND	3.51	1.42	1.37
14	aA	1801	CLA	C1D-ND	3.51	1.42	1.37
14	n	509	CLA	C1D-ND	3.51	1.42	1.37
14	a	505	CLA	C1D-ND	3.51	1.42	1.37
14	aJ	1302	CLA	C1D-ND	3.51	1.42	1.37
14	q	518	CLA	C1D-ND	3.51	1.42	1.37
14	a2	509	CLA	C1D-ND	3.51	1.42	1.37
14	aL	1501	CLA	C1D-ND	3.51	1.42	1.37
14	b2	516	CLA	C1D-ND	3.51	1.42	1.37
14	b4	512	CLA	C1D-ND	3.51	1.42	1.37
14	p	505	CLA	C1D-ND	3.51	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	k	508	CLA	C1D-ND	3.51	1.42	1.37
14	a6	518	CLA	C1D-ND	3.51	1.42	1.37
14	W	502	CLA	C1D-ND	3.51	1.42	1.37
14	q	505	CLA	C1D-ND	3.51	1.42	1.37
14	c1	512	CLA	C1D-ND	3.51	1.42	1.37
14	f	502	CLA	C1D-ND	3.51	1.42	1.37
14	aB	1227	CLA	C1D-ND	3.51	1.42	1.37
14	b5	507	CLA	C1D-ND	3.51	1.42	1.37
14	aA	1126	CLA	C1D-ND	3.51	1.42	1.37
14	a5	505	CLA	C1D-ND	3.50	1.42	1.37
14	T	505	CLA	C1D-ND	3.50	1.42	1.37
14	aB	1204	CLA	C1D-ND	3.50	1.42	1.37
14	aA	1102	CLA	C1D-ND	3.50	1.42	1.37
14	cA	1101	CLA	C1D-ND	3.50	1.42	1.37
14	b1	512	CLA	C1D-ND	3.50	1.42	1.37
14	aB	1216	CLA	C1D-ND	3.50	1.42	1.37
14	b2	502	CLA	C1D-ND	3.50	1.42	1.37
14	c4	512	CLA	C1D-ND	3.50	1.42	1.37
14	a4	512	CLA	C1D-ND	3.50	1.42	1.37
14	cA	1107	CLA	C1D-ND	3.50	1.42	1.37
14	a3	518	CLA	C1D-ND	3.50	1.42	1.37
14	bA	1128	CLA	C1D-ND	3.50	1.42	1.37
14	bB	1224	CLA	C1D-ND	3.50	1.42	1.37
14	aA	1106	CLA	C1D-ND	3.50	1.42	1.37
14	bB	1205	CLA	C1D-ND	3.50	1.42	1.37
14	cL	1502	CLA	C1D-ND	3.50	1.42	1.37
14	c5	505	CLA	C1D-ND	3.50	1.42	1.37
14	V	505	CLA	C1D-ND	3.50	1.42	1.37
14	X	505	CLA	C1D-ND	3.49	1.42	1.37
14	bA	1126	CLA	C1D-ND	3.49	1.42	1.37
14	c5	510	CLA	C1D-ND	3.49	1.42	1.37
14	bA	1119	CLA	C1D-ND	3.49	1.42	1.37
14	cB	1222	CLA	C1D-ND	3.49	1.42	1.37
14	c2	517	CLA	C1D-ND	3.49	1.42	1.37
14	i	516	CLA	C1D-ND	3.49	1.42	1.37
14	X	512	CLA	C1D-ND	3.49	1.42	1.37
14	i	505	CLA	C1D-ND	3.49	1.42	1.37
14	a6	505	CLA	C1D-ND	3.49	1.42	1.37
14	p	519	CLA	C1D-ND	3.49	1.42	1.37
14	a1	516	CLA	C1D-ND	3.48	1.42	1.37
14	cB	1221	CLA	C1D-ND	3.48	1.42	1.37
14	cA	1237	CLA	C1D-ND	3.48	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	c3	517	CLA	C1D-ND	3.48	1.42	1.37
14	T	512	CLA	C1D-ND	3.48	1.42	1.37
14	a4	505	CLA	C1D-ND	3.48	1.42	1.37
14	a5	516	CLA	C1D-ND	3.48	1.42	1.37
14	l	511	CLA	C1D-ND	3.48	1.42	1.37
14	aB	1226	CLA	C1D-ND	3.48	1.42	1.37
14	bA	1107	CLA	C1D-ND	3.48	1.42	1.37
14	bA	1106	CLA	C1D-ND	3.48	1.42	1.37
14	cB	1205	CLA	C1D-ND	3.48	1.42	1.37
14	q	512	CLA	C1D-ND	3.48	1.42	1.37
14	X	504	CLA	C1D-ND	3.48	1.42	1.37
14	U	505	CLA	C1D-ND	3.48	1.42	1.37
14	bB	1012	CLA	C1D-ND	3.48	1.42	1.37
14	cB	1202	CLA	C1D-ND	3.47	1.42	1.37
14	c3	505	CLA	C1D-ND	3.47	1.42	1.37
14	b3	512	CLA	C1D-ND	3.47	1.42	1.37
14	T	516	CLA	C1D-ND	3.47	1.42	1.37
14	Y	505	CLA	C1D-ND	3.47	1.42	1.37
14	b2	505	CLA	C1D-ND	3.47	1.42	1.37
14	W	512	CLA	C1D-ND	3.47	1.42	1.37
14	aA	1124	CLA	C1D-ND	3.47	1.42	1.37
14	c2	505	CLA	C1D-ND	3.47	1.42	1.37
14	cJ	1302	CLA	C1D-ND	3.47	1.42	1.37
14	c1	505	CLA	C1D-ND	3.46	1.42	1.37
14	aA	1107	CLA	C1D-ND	3.46	1.42	1.37
14	l	505	CLA	C1D-ND	3.46	1.42	1.37
14	aA	1127	CLA	C1D-ND	3.46	1.42	1.37
14	a3	505	CLA	C1D-ND	3.46	1.42	1.37
14	bA	1127	CLA	C1D-ND	3.46	1.42	1.37
14	a4	510	CLA	C1D-ND	3.45	1.42	1.37
14	b1	505	CLA	C1D-ND	3.45	1.42	1.37
14	o	512	CLA	C1D-ND	3.45	1.42	1.37
14	Z	505	CLA	C1D-ND	3.45	1.42	1.37
14	n	512	CLA	C1D-ND	3.45	1.42	1.37
14	a2	505	CLA	C1D-ND	3.45	1.42	1.37
14	g	512	CLA	C1D-ND	3.45	1.42	1.37
14	bB	1211	CLA	C1D-ND	3.45	1.42	1.37
14	a	512	CLA	C1D-ND	3.45	1.42	1.37
14	e	516	CLA	C1D-ND	3.45	1.42	1.37
14	aB	1202	CLA	C1D-ND	3.45	1.42	1.37
14	b4	504	CLA	C1D-ND	3.45	1.42	1.37
14	b5	505	CLA	C1D-ND	3.44	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
15	cB	2002	PQN	C2-C1	-3.44	1.39	1.47
14	Z	512	CLA	C1D-ND	3.43	1.42	1.37
15	bB	2002	PQN	C2-C1	-3.43	1.39	1.47
15	bA	2001	PQN	C2-C1	-3.43	1.39	1.47
14	aL	1502	CLA	C1D-ND	3.43	1.42	1.37
19	aA	1849	LMU	O5'-C1'	3.42	1.50	1.41
19	bA	1849	LMU	O5'-C1'	3.42	1.50	1.41
14	h	512	CLA	C1D-ND	3.42	1.42	1.37
14	bA	1124	CLA	C1D-ND	3.41	1.42	1.37
15	aB	2002	PQN	C2-C1	-3.41	1.39	1.47
14	Y	512	CLA	C1D-ND	3.41	1.42	1.37
15	cA	2001	PQN	C2-C1	-3.41	1.39	1.47
14	bL	1502	CLA	C1D-ND	3.41	1.42	1.37
14	U	516	CLA	C1D-ND	3.40	1.42	1.37
15	aA	2001	PQN	C2-C1	-3.40	1.39	1.47
14	l	517	CLA	C1D-ND	3.40	1.42	1.37
19	bB	1843	LMU	O5'-C1'	3.40	1.50	1.41
14	S	512	CLA	C1D-ND	3.40	1.42	1.37
14	aA	1013	CLA	C1D-ND	3.39	1.42	1.37
14	bB	1023	CLA	C1D-ND	3.39	1.42	1.37
19	cB	1843	LMU	O5'-C1'	3.39	1.50	1.41
14	aB	1229	CLA	C4B-NB	3.38	1.42	1.37
19	aB	1843	LMU	O5'-C1'	3.38	1.50	1.41
14	W	505	CLA	C1D-ND	3.38	1.42	1.37
14	j	501	CLA	C4B-NB	3.38	1.42	1.37
14	U	512	CLA	C4B-NB	3.37	1.42	1.37
19	bA	1848	LMU	O5'-C1'	3.37	1.50	1.41
14	aB	1023	CLA	C1D-ND	3.37	1.42	1.37
14	bA	1013	CLA	C1D-ND	3.37	1.42	1.37
19	bB	1843	LMU	O5B-C1B	3.36	1.50	1.41
19	aA	1848	LMU	O5'-C1'	3.36	1.50	1.41
14	aJ	1303	CLA	C4B-NB	3.36	1.42	1.37
14	aB	1231	CLA	C4B-NB	3.36	1.42	1.37
19	cA	1848	LMU	O5'-C1'	3.35	1.50	1.41
14	bB	1229	CLA	C4B-NB	3.35	1.42	1.37
19	cA	1849	LMU	O5'-C1'	3.35	1.50	1.41
14	cA	1013	CLA	C1D-ND	3.35	1.42	1.37
19	bJ	5105	LMU	O5'-C1'	3.35	1.50	1.41
14	cB	1023	CLA	C1D-ND	3.35	1.42	1.37
14	f	516	CLA	C1D-ND	3.35	1.42	1.37
19	cJ	5105	LMU	O5'-C1'	3.34	1.50	1.41
19	aJ	5105	LMU	O5'-C1'	3.34	1.50	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	aA	1137	CLA	C4B-NB	3.33	1.42	1.37
14	cA	1137	CLA	C4B-NB	3.32	1.42	1.37
14	g	516	CLA	C1D-ND	3.32	1.42	1.37
19	aB	1843	LMU	O5B-C1B	3.32	1.50	1.41
14	cB	1229	CLA	C4B-NB	3.32	1.42	1.37
14	cB	1239	CLA	C4B-NB	3.31	1.42	1.37
19	cB	1843	LMU	O5B-C1B	3.31	1.50	1.41
14	c1	516	CLA	C4B-NB	3.30	1.42	1.37
14	k	517	CLA	C4B-NB	3.30	1.42	1.37
14	cB	1231	CLA	C4B-NB	3.30	1.42	1.37
14	V	516	CLA	C4B-NB	3.29	1.42	1.37
14	aB	1239	CLA	C4B-NB	3.28	1.42	1.37
14	bB	1231	CLA	C4B-NB	3.28	1.42	1.37
14	a1	504	CLA	C4B-NB	3.28	1.42	1.37
14	V	504	CLA	C4B-NB	3.28	1.42	1.37
14	b	512	CLA	C4B-NB	3.27	1.42	1.37
14	q	516	CLA	C4B-NB	3.26	1.42	1.37
14	l	512	CLA	C4B-NB	3.25	1.42	1.37
14	bJ	1303	CLA	C4B-NB	3.25	1.42	1.37
14	bJ	1302	CLA	C4B-NB	3.25	1.42	1.37
14	V	512	CLA	C4B-NB	3.25	1.42	1.37
14	n	504	CLA	C4B-NB	3.24	1.42	1.37
14	b6	519	CLA	C4B-NB	3.24	1.42	1.37
14	q	517	CLA	C4B-NB	3.24	1.42	1.37
14	c6	519	CLA	C4B-NB	3.23	1.42	1.37
14	a	519	CLA	C4B-NB	3.23	1.42	1.37
14	bB	1209	CLA	C4B-NB	3.23	1.42	1.37
14	a	512	CLA	C4B-NB	3.23	1.42	1.37
14	j	512	CLA	C4B-NB	3.23	1.42	1.37
14	i	517	CLA	C4B-NB	3.23	1.42	1.37
14	b	504	CLA	C4B-NB	3.22	1.42	1.37
14	a6	512	CLA	C4B-NB	3.22	1.42	1.37
14	cB	1218	CLA	C4B-NB	3.22	1.42	1.37
14	X	512	CLA	C4B-NB	3.22	1.42	1.37
14	f	517	CLA	C4B-NB	3.22	1.42	1.37
14	bB	1239	CLA	C4B-NB	3.22	1.42	1.37
14	aA	1131	CLA	C4B-NB	3.22	1.42	1.37
14	bA	1134	CLA	C4B-NB	3.22	1.42	1.37
14	S	501	CLA	C4B-NB	3.22	1.42	1.37
14	Y	504	CLA	C4B-NB	3.22	1.42	1.37
14	o	516	CLA	C4B-NB	3.22	1.42	1.37
14	bA	1137	CLA	C4B-NB	3.22	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
20	q	822	SQD	O47-C7	3.21	1.42	1.35
14	bA	1140	CLA	C4B-NB	3.21	1.42	1.37
14	T	504	CLA	C4B-NB	3.21	1.42	1.37
14	b5	504	CLA	C4B-NB	3.21	1.42	1.37
14	d	504	CLA	C4B-NB	3.21	1.42	1.37
14	b5	503	CLA	C4B-NB	3.21	1.42	1.37
14	b	501	CLA	C4B-NB	3.21	1.42	1.37
14	c	503	CLA	C4B-NB	3.21	1.42	1.37
14	f	512	CLA	C4B-NB	3.21	1.42	1.37
14	W	517	CLA	C4B-NB	3.21	1.42	1.37
14	S	504	CLA	C4B-NB	3.21	1.42	1.37
14	i	501	CLA	C4B-NB	3.20	1.42	1.37
14	a1	512	CLA	C4B-NB	3.20	1.42	1.37
14	c5	503	CLA	C4B-NB	3.20	1.42	1.37
14	c	501	CLA	C4B-NB	3.20	1.42	1.37
14	g	512	CLA	C4B-NB	3.20	1.42	1.37
14	Z	519	CLA	C4B-NB	3.20	1.42	1.37
14	aB	1236	CLA	C4B-NB	3.20	1.42	1.37
14	b6	509	CLA	C4B-NB	3.20	1.42	1.37
14	b6	512	CLA	C4B-NB	3.20	1.42	1.37
14	d	503	CLA	C4B-NB	3.20	1.42	1.37
14	bB	1232	CLA	C4B-NB	3.20	1.42	1.37
14	T	516	CLA	C4B-NB	3.20	1.42	1.37
14	p	502	CLA	C4B-NB	3.20	1.42	1.37
20	c1	822	SQD	O48-C23	3.20	1.42	1.33
14	cA	1139	CLA	C4B-NB	3.20	1.42	1.37
14	c4	512	CLA	C4B-NB	3.20	1.42	1.37
14	X	517	CLA	C4B-NB	3.20	1.42	1.37
14	n	510	CLA	C4B-NB	3.20	1.42	1.37
14	a1	519	CLA	C4B-NB	3.19	1.42	1.37
14	cB	1208	CLA	C4B-NB	3.19	1.42	1.37
14	e	513	CLA	C4B-NB	3.19	1.42	1.37
14	i	504	CLA	C4B-NB	3.19	1.42	1.37
14	aB	1232	CLA	C4B-NB	3.19	1.42	1.37
14	a5	517	CLA	C4B-NB	3.19	1.42	1.37
14	b3	517	CLA	C4B-NB	3.19	1.42	1.37
14	d	506	CLA	C4B-NB	3.19	1.42	1.37
14	p	506	CLA	C4B-NB	3.19	1.42	1.37
14	c	512	CLA	C4B-NB	3.19	1.42	1.37
14	a5	512	CLA	C4B-NB	3.19	1.42	1.37
14	c2	501	CLA	C4B-NB	3.19	1.42	1.37
14	Z	517	CLA	C4B-NB	3.19	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	p	503	CLA	C4B-NB	3.19	1.42	1.37
14	cB	1209	CLA	C4B-NB	3.19	1.42	1.37
14	cB	1236	CLA	C4B-NB	3.19	1.42	1.37
15	bA	2001	PQN	C11-C12	3.19	1.55	1.50
14	cA	1134	CLA	C4B-NB	3.19	1.42	1.37
14	c4	501	CLA	C4B-NB	3.19	1.42	1.37
14	f	504	CLA	C4B-NB	3.19	1.42	1.37
14	bA	1131	CLA	C4B-NB	3.19	1.42	1.37
14	aK	1401	CLA	C4B-NB	3.19	1.42	1.37
14	a1	506	CLA	C4B-NB	3.19	1.42	1.37
14	b1	506	CLA	C4B-NB	3.19	1.42	1.37
20	b2	822	SQD	O48-C23	3.18	1.42	1.33
14	a5	503	CLA	C4B-NB	3.18	1.42	1.37
14	c1	512	CLA	C4B-NB	3.18	1.42	1.37
14	q	512	CLA	C4B-NB	3.18	1.42	1.37
14	b1	512	CLA	C4B-NB	3.18	1.42	1.37
14	b3	512	CLA	C4B-NB	3.18	1.42	1.37
14	q	501	CLA	C4B-NB	3.18	1.42	1.37
14	W	506	CLA	C4B-NB	3.18	1.42	1.37
14	aB	1209	CLA	C4B-NB	3.18	1.42	1.37
14	T	517	CLA	C4B-NB	3.18	1.42	1.37
14	k	503	CLA	C4B-NB	3.18	1.42	1.37
14	a6	503	CLA	C4B-NB	3.18	1.42	1.37
14	bB	1236	CLA	C4B-NB	3.18	1.42	1.37
14	b2	519	CLA	C4B-NB	3.18	1.42	1.37
14	cA	1138	CLA	C4B-NB	3.18	1.42	1.37
14	c1	504	CLA	C4B-NB	3.18	1.42	1.37
14	m	504	CLA	C4B-NB	3.18	1.42	1.37
14	cK	1401	CLA	C4B-NB	3.18	1.42	1.37
14	c5	501	CLA	C4B-NB	3.18	1.42	1.37
14	e	517	CLA	C4B-NB	3.18	1.42	1.37
20	a6	822	SQD	O48-C23	3.18	1.42	1.33
14	a2	501	CLA	C4B-NB	3.18	1.42	1.37
14	b6	501	CLA	C4B-NB	3.18	1.42	1.37
14	S	516	CLA	C4B-NB	3.18	1.42	1.37
14	b	510	CLA	C4B-NB	3.18	1.42	1.37
20	c3	822	SQD	O48-C23	3.18	1.42	1.33
14	aF	1301	CLA	C4B-NB	3.18	1.42	1.37
14	a	517	CLA	C4B-NB	3.18	1.42	1.37
20	T	822	SQD	O48-C23	3.18	1.42	1.33
14	a3	512	CLA	C4B-NB	3.18	1.42	1.37
14	b3	502	CLA	C4B-NB	3.18	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a5	501	CLA	C4B-NB	3.18	1.42	1.37
14	b5	512	CLA	C4B-NB	3.18	1.42	1.37
14	c5	512	CLA	C4B-NB	3.18	1.42	1.37
14	d	512	CLA	C4B-NB	3.18	1.42	1.37
14	n	517	CLA	C4B-NB	3.18	1.42	1.37
14	o	504	CLA	C4B-NB	3.18	1.42	1.37
14	a2	517	CLA	C4B-NB	3.18	1.42	1.37
14	c1	501	CLA	C4B-NB	3.17	1.42	1.37
14	e	504	CLA	C4B-NB	3.17	1.42	1.37
14	f	501	CLA	C4B-NB	3.17	1.42	1.37
14	g	501	CLA	C4B-NB	3.17	1.42	1.37
14	m	517	CLA	C4B-NB	3.17	1.42	1.37
20	b1	822	SQD	O48-C23	3.17	1.42	1.33
14	c6	517	CLA	C4B-NB	3.17	1.42	1.37
14	e	519	CLA	C4B-NB	3.17	1.42	1.37
14	aX	1401	CLA	C4B-NB	3.17	1.42	1.37
14	b3	504	CLA	C4B-NB	3.17	1.42	1.37
14	b4	519	CLA	C4B-NB	3.17	1.42	1.37
14	W	504	CLA	C4B-NB	3.17	1.42	1.37
14	b1	504	CLA	C4B-NB	3.17	1.42	1.37
14	cA	1109	CLA	C4B-NB	3.17	1.42	1.37
14	cA	1131	CLA	C4B-NB	3.17	1.42	1.37
14	n	503	CLA	C4B-NB	3.17	1.42	1.37
14	c3	513	CLA	C4B-NB	3.17	1.42	1.37
14	X	508	CLA	C4B-NB	3.17	1.42	1.37
14	e	516	CLA	C4B-NB	3.17	1.42	1.37
14	j	502	CLA	C4B-NB	3.17	1.42	1.37
14	a2	512	CLA	C4B-NB	3.17	1.42	1.37
14	c1	509	CLA	C4B-NB	3.17	1.42	1.37
14	b	519	CLA	C4B-NB	3.17	1.42	1.37
14	aA	1140	CLA	C4B-NB	3.17	1.42	1.37
14	bB	1233	CLA	C4B-NB	3.17	1.42	1.37
14	cB	1207	CLA	C4B-NB	3.17	1.42	1.37
14	X	516	CLA	C4B-NB	3.17	1.42	1.37
14	a2	504	CLA	C4B-NB	3.17	1.42	1.37
14	j	519	CLA	C4B-NB	3.17	1.42	1.37
14	aB	1230	CLA	C4B-NB	3.17	1.42	1.37
14	a3	506	CLA	C4B-NB	3.17	1.42	1.37
14	X	504	CLA	C4B-NB	3.17	1.42	1.37
14	k	516	CLA	C4B-NB	3.17	1.42	1.37
20	c5	822	SQD	O48-C23	3.17	1.42	1.33
14	aA	1102	CLA	C4B-NB	3.17	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	aB	1204	CLA	C4B-NB	3.17	1.42	1.37
14	b1	507	CLA	C4B-NB	3.17	1.42	1.37
14	d	510	CLA	C4B-NB	3.17	1.42	1.37
14	k	504	CLA	C4B-NB	3.17	1.42	1.37
14	o	519	CLA	C4B-NB	3.17	1.42	1.37
14	p	507	CLA	C4B-NB	3.17	1.42	1.37
14	a6	501	CLA	C4B-NB	3.17	1.42	1.37
14	bK	1103	CLA	C4B-NB	3.17	1.42	1.37
14	c3	501	CLA	C4B-NB	3.17	1.42	1.37
14	c3	517	CLA	C4B-NB	3.17	1.42	1.37
14	i	512	CLA	C4B-NB	3.17	1.42	1.37
14	j	504	CLA	C4B-NB	3.17	1.42	1.37
14	aA	1116	CLA	C4B-NB	3.17	1.42	1.37
14	b1	516	CLA	C4B-NB	3.17	1.42	1.37
14	b3	506	CLA	C4B-NB	3.17	1.42	1.37
20	V	822	SQD	O48-C23	3.16	1.42	1.33
14	aA	1101	CLA	C4B-NB	3.16	1.42	1.37
14	aA	1104	CLA	C4B-NB	3.16	1.42	1.37
14	aA	1125	CLA	C4B-NB	3.16	1.42	1.37
14	S	519	CLA	C4B-NB	3.16	1.42	1.37
14	T	512	CLA	C4B-NB	3.16	1.42	1.37
14	W	513	CLA	C4B-NB	3.16	1.42	1.37
14	g	504	CLA	C4B-NB	3.16	1.42	1.37
14	h	506	CLA	C4B-NB	3.16	1.42	1.37
14	bA	1139	CLA	C4B-NB	3.16	1.42	1.37
14	bB	1230	CLA	C4B-NB	3.16	1.42	1.37
14	m	511	CLA	C4B-NB	3.16	1.42	1.37
14	T	501	CLA	C4B-NB	3.16	1.42	1.37
14	a	507	CLA	C4B-NB	3.16	1.42	1.37
14	b	517	CLA	C4B-NB	3.16	1.42	1.37
14	cA	1102	CLA	C4B-NB	3.16	1.42	1.37
14	c2	512	CLA	C4B-NB	3.16	1.42	1.37
15	cA	2001	PQN	C11-C12	3.16	1.55	1.50
14	aA	1138	CLA	C4B-NB	3.16	1.42	1.37
14	c2	516	CLA	C4B-NB	3.16	1.42	1.37
14	S	517	CLA	C4B-NB	3.16	1.42	1.37
14	a	504	CLA	C4B-NB	3.16	1.42	1.37
14	n	506	CLA	C4B-NB	3.16	1.42	1.37
14	aB	1216	CLA	C4B-NB	3.16	1.42	1.37
14	g	517	CLA	C4B-NB	3.16	1.42	1.37
14	h	517	CLA	C4B-NB	3.16	1.42	1.37
14	n	519	CLA	C4B-NB	3.16	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	q	507	CLA	C4B-NB	3.16	1.42	1.37
14	a3	517	CLA	C4B-NB	3.16	1.42	1.37
14	U	503	CLA	C4B-NB	3.16	1.42	1.37
14	cA	1022	CLA	C4B-NB	3.16	1.42	1.37
14	cA	1114	CLA	C4B-NB	3.16	1.42	1.37
14	h	512	CLA	C4B-NB	3.16	1.42	1.37
14	l	508	CLA	C4B-NB	3.16	1.42	1.37
14	bX	1401	CLA	C4B-NB	3.16	1.42	1.37
14	c6	503	CLA	C4B-NB	3.16	1.42	1.37
14	q	504	CLA	C4B-NB	3.16	1.42	1.37
20	a1	822	SQD	O48-C23	3.15	1.42	1.33
20	bB	1852	SQD	O48-C23	3.15	1.42	1.33
14	a4	519	CLA	C4B-NB	3.15	1.42	1.37
14	b2	508	CLA	C4B-NB	3.15	1.42	1.37
14	Z	516	CLA	C4B-NB	3.15	1.42	1.37
14	S	512	CLA	C4B-NB	3.15	1.42	1.37
14	X	519	CLA	C4B-NB	3.15	1.42	1.37
14	a	510	CLA	C4B-NB	3.15	1.42	1.37
14	h	513	CLA	C4B-NB	3.15	1.42	1.37
20	b	822	SQD	O48-C23	3.15	1.42	1.33
14	b4	508	CLA	C4B-NB	3.15	1.42	1.37
14	c1	517	CLA	C4B-NB	3.15	1.42	1.37
14	c6	512	CLA	C4B-NB	3.15	1.42	1.37
14	aA	1022	CLA	C4B-NB	3.15	1.42	1.37
14	a5	504	CLA	C4B-NB	3.15	1.42	1.37
14	b1	501	CLA	C4B-NB	3.15	1.42	1.37
14	b6	503	CLA	C4B-NB	3.15	1.42	1.37
14	cA	1101	CLA	C4B-NB	3.15	1.42	1.37
14	n	501	CLA	C4B-NB	3.15	1.42	1.37
14	bK	1401	CLA	C4B-NB	3.15	1.42	1.37
14	b2	512	CLA	C4B-NB	3.15	1.42	1.37
14	b5	501	CLA	C4B-NB	3.15	1.42	1.37
14	b6	517	CLA	C4B-NB	3.15	1.42	1.37
20	b6	822	SQD	O48-C23	3.15	1.42	1.33
14	U	517	CLA	C4B-NB	3.15	1.42	1.37
14	l	503	CLA	C4B-NB	3.15	1.42	1.37
14	q	503	CLA	C4B-NB	3.15	1.42	1.37
14	e	503	CLA	C4B-NB	3.15	1.42	1.37
20	c2	822	SQD	O48-C23	3.15	1.42	1.33
14	cB	1230	CLA	C4B-NB	3.15	1.42	1.37
14	g	506	CLA	C4B-NB	3.15	1.42	1.37
14	l	501	CLA	C4B-NB	3.15	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	cB	1232	CLA	C4B-NB	3.15	1.42	1.37
14	c1	506	CLA	C4B-NB	3.15	1.42	1.37
14	c6	508	CLA	C4B-NB	3.15	1.42	1.37
14	T	506	CLA	C4B-NB	3.15	1.42	1.37
14	V	506	CLA	C4B-NB	3.15	1.42	1.37
20	c6	822	SQD	O48-C23	3.15	1.42	1.33
14	b4	512	CLA	C4B-NB	3.15	1.42	1.37
14	cF	1301	CLA	C4B-NB	3.15	1.42	1.37
14	T	518	CLA	C4B-NB	3.15	1.42	1.37
14	e	506	CLA	C4B-NB	3.15	1.42	1.37
14	k	509	CLA	C4B-NB	3.15	1.42	1.37
14	n	512	CLA	C4B-NB	3.15	1.42	1.37
14	b4	503	CLA	C4B-NB	3.15	1.42	1.37
14	c3	512	CLA	C4B-NB	3.15	1.42	1.37
14	T	502	CLA	C4B-NB	3.15	1.42	1.37
14	a	511	CLA	C4B-NB	3.15	1.42	1.37
14	p	519	CLA	C4B-NB	3.15	1.42	1.37
20	c	822	SQD	O48-C23	3.15	1.42	1.33
14	a5	508	CLA	C4B-NB	3.14	1.42	1.37
14	bA	1102	CLA	C4B-NB	3.14	1.42	1.37
14	c3	506	CLA	C4B-NB	3.14	1.42	1.37
14	c6	513	CLA	C4B-NB	3.14	1.42	1.37
14	c	504	CLA	C4B-NB	3.14	1.42	1.37
14	b4	506	CLA	C4B-NB	3.14	1.42	1.37
14	c4	517	CLA	C4B-NB	3.14	1.42	1.37
14	T	510	CLA	C4B-NB	3.14	1.42	1.37
14	j	507	CLA	C4B-NB	3.14	1.42	1.37
14	bA	1104	CLA	C4B-NB	3.14	1.42	1.37
14	W	503	CLA	C4B-NB	3.14	1.42	1.37
14	Y	512	CLA	C4B-NB	3.14	1.42	1.37
14	a	513	CLA	C4B-NB	3.14	1.42	1.37
14	e	501	CLA	C4B-NB	3.14	1.42	1.37
14	Y	513	CLA	C4B-NB	3.14	1.42	1.37
14	b	513	CLA	C4B-NB	3.14	1.42	1.37
14	V	517	CLA	C4B-NB	3.14	1.42	1.37
14	aA	1110	CLA	C4B-NB	3.14	1.42	1.37
14	aB	1215	CLA	C4B-NB	3.14	1.42	1.37
14	a5	511	CLA	C4B-NB	3.14	1.42	1.37
14	c5	519	CLA	C4B-NB	3.14	1.42	1.37
14	W	512	CLA	C4B-NB	3.14	1.42	1.37
14	i	510	CLA	C4B-NB	3.14	1.42	1.37
14	bA	1101	CLA	C4B-NB	3.14	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	bF	1301	CLA	C4B-NB	3.14	1.42	1.37
14	cB	1234	CLA	C4B-NB	3.14	1.42	1.37
14	V	507	CLA	C4B-NB	3.14	1.42	1.37
14	a4	517	CLA	C4B-NB	3.14	1.42	1.37
14	i	502	CLA	C4B-NB	3.14	1.42	1.37
14	i	503	CLA	C4B-NB	3.14	1.42	1.37
14	a1	517	CLA	C4B-NB	3.14	1.42	1.37
14	X	501	CLA	C4B-NB	3.14	1.42	1.37
14	Y	517	CLA	C4B-NB	3.14	1.42	1.37
14	k	506	CLA	C4B-NB	3.14	1.42	1.37
14	l	511	CLA	C4B-NB	3.14	1.42	1.37
14	b3	505	CLA	C4B-NB	3.14	1.42	1.37
14	c6	501	CLA	C4B-NB	3.14	1.42	1.37
14	bA	1138	CLA	C4B-NB	3.14	1.42	1.37
14	b4	501	CLA	C4B-NB	3.14	1.42	1.37
14	V	502	CLA	C4B-NB	3.14	1.42	1.37
14	cA	1140	CLA	C4B-NB	3.14	1.42	1.37
14	c5	516	CLA	C4B-NB	3.14	1.42	1.37
14	U	509	CLA	C4B-NB	3.14	1.42	1.37
14	Z	504	CLA	C4B-NB	3.14	1.42	1.37
14	d	517	CLA	C4B-NB	3.14	1.42	1.37
14	g	503	CLA	C4B-NB	3.14	1.42	1.37
14	bA	1116	CLA	C4B-NB	3.13	1.42	1.37
14	b3	501	CLA	C4B-NB	3.13	1.42	1.37
14	b3	519	CLA	C4B-NB	3.13	1.42	1.37
14	c4	513	CLA	C4B-NB	3.13	1.42	1.37
14	Y	519	CLA	C4B-NB	3.13	1.42	1.37
14	p	501	CLA	C4B-NB	3.13	1.42	1.37
14	aA	1121	CLA	C4B-NB	3.13	1.42	1.37
14	aB	1208	CLA	C4B-NB	3.13	1.42	1.37
14	aB	1220	CLA	C4B-NB	3.13	1.42	1.37
14	a4	501	CLA	C4B-NB	3.13	1.42	1.37
14	b5	506	CLA	C4B-NB	3.13	1.42	1.37
14	U	507	CLA	C4B-NB	3.13	1.42	1.37
14	q	519	CLA	C4B-NB	3.13	1.42	1.37
20	i	822	SQD	O48-C23	3.13	1.42	1.33
14	a6	513	CLA	C4B-NB	3.13	1.42	1.37
14	c2	517	CLA	C4B-NB	3.13	1.42	1.37
14	h	507	CLA	C4B-NB	3.13	1.42	1.37
14	cJ	1302	CLA	C4B-NB	3.13	1.42	1.37
14	U	501	CLA	C4B-NB	3.13	1.42	1.37
14	c4	506	CLA	C4B-NB	3.13	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	e	512	CLA	C4B-NB	3.13	1.42	1.37
14	o	501	CLA	C4B-NB	3.13	1.42	1.37
14	cA	1104	CLA	C4B-NB	3.13	1.42	1.37
14	c5	517	CLA	C4B-NB	3.13	1.42	1.37
14	S	507	CLA	C4B-NB	3.13	1.42	1.37
14	Y	508	CLA	C4B-NB	3.13	1.42	1.37
14	m	513	CLA	C4B-NB	3.13	1.42	1.37
14	aA	1134	CLA	C4B-NB	3.13	1.42	1.37
14	cB	1201	CLA	C4B-NB	3.13	1.42	1.37
14	Y	502	CLA	C4B-NB	3.13	1.42	1.37
14	p	512	CLA	C4B-NB	3.13	1.42	1.37
14	q	506	CLA	C4B-NB	3.13	1.42	1.37
14	bB	1207	CLA	C4B-NB	3.13	1.42	1.37
14	bB	1215	CLA	C4B-NB	3.13	1.42	1.37
14	bB	1218	CLA	C4B-NB	3.13	1.42	1.37
14	W	510	CLA	C4B-NB	3.13	1.42	1.37
14	b	503	CLA	C4B-NB	3.13	1.42	1.37
20	d	822	SQD	O48-C23	3.13	1.42	1.33
20	f	822	SQD	O48-C23	3.13	1.42	1.33
14	b2	504	CLA	C4B-NB	3.13	1.42	1.37
14	c1	503	CLA	C4B-NB	3.13	1.42	1.37
14	c3	510	CLA	C4B-NB	3.13	1.42	1.37
14	m	506	CLA	C4B-NB	3.13	1.42	1.37
14	o	512	CLA	C4B-NB	3.13	1.42	1.37
14	m	519	CLA	C4B-NB	3.13	1.42	1.37
14	cB	1220	CLA	C4B-NB	3.13	1.42	1.37
14	S	508	CLA	C4B-NB	3.13	1.42	1.37
14	bB	1208	CLA	C4B-NB	3.13	1.42	1.37
14	W	519	CLA	C4B-NB	3.13	1.42	1.37
14	c	506	CLA	C4B-NB	3.13	1.42	1.37
20	W	822	SQD	O48-C23	3.12	1.42	1.33
14	a6	506	CLA	C4B-NB	3.12	1.42	1.37
14	cB	1215	CLA	C4B-NB	3.12	1.42	1.37
14	c3	518	CLA	C4B-NB	3.12	1.42	1.37
14	a6	508	CLA	C4B-NB	3.12	1.42	1.37
14	cB	1216	CLA	C4B-NB	3.12	1.42	1.37
14	c2	506	CLA	C4B-NB	3.12	1.42	1.37
14	c2	518	CLA	C4B-NB	3.12	1.42	1.37
14	k	505	CLA	C4B-NB	3.12	1.42	1.37
20	b5	822	SQD	O48-C23	3.12	1.42	1.33
14	bB	1228	CLA	C4B-NB	3.12	1.42	1.37
14	cA	1121	CLA	C4B-NB	3.12	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	cA	1237	CLA	C4B-NB	3.12	1.42	1.37
14	cX	1401	CLA	C4B-NB	3.12	1.42	1.37
14	S	518	CLA	C4B-NB	3.12	1.42	1.37
14	Y	510	CLA	C4B-NB	3.12	1.42	1.37
20	c4	822	SQD	O48-C23	3.12	1.42	1.33
14	c5	508	CLA	C4B-NB	3.12	1.42	1.37
14	cB	1205	CLA	C4B-NB	3.12	1.42	1.37
14	c1	510	CLA	C4B-NB	3.12	1.42	1.37
14	X	503	CLA	C4B-NB	3.12	1.42	1.37
14	X	513	CLA	C4B-NB	3.12	1.42	1.37
14	Z	501	CLA	C4B-NB	3.12	1.42	1.37
14	d	516	CLA	C4B-NB	3.12	1.42	1.37
14	a6	518	CLA	C4B-NB	3.12	1.42	1.37
14	b2	513	CLA	C4B-NB	3.12	1.42	1.37
14	b6	513	CLA	C4B-NB	3.12	1.42	1.37
14	c4	518	CLA	C4B-NB	3.12	1.42	1.37
14	V	513	CLA	C4B-NB	3.12	1.42	1.37
14	V	519	CLA	C4B-NB	3.12	1.42	1.37
14	l	506	CLA	C4B-NB	3.12	1.42	1.37
14	n	518	CLA	C4B-NB	3.12	1.42	1.37
14	aJ	1302	CLA	C4B-NB	3.12	1.42	1.37
14	b2	517	CLA	C4B-NB	3.12	1.42	1.37
14	V	503	CLA	C4B-NB	3.12	1.42	1.37
14	e	509	CLA	C4B-NB	3.12	1.42	1.37
14	a3	503	CLA	C4B-NB	3.12	1.42	1.37
14	a3	504	CLA	C4B-NB	3.12	1.42	1.37
14	a4	511	CLA	C4B-NB	3.12	1.42	1.37
14	a5	519	CLA	C4B-NB	3.12	1.42	1.37
14	bB	1206	CLA	C4B-NB	3.12	1.42	1.37
14	bB	1224	CLA	C4B-NB	3.12	1.42	1.37
14	b1	519	CLA	C4B-NB	3.12	1.42	1.37
14	cA	1116	CLA	C4B-NB	3.12	1.42	1.37
14	d	519	CLA	C4B-NB	3.12	1.42	1.37
14	a2	506	CLA	C4B-NB	3.12	1.42	1.37
14	b6	518	CLA	C4B-NB	3.12	1.42	1.37
14	Z	513	CLA	C4B-NB	3.12	1.42	1.37
14	j	506	CLA	C4B-NB	3.12	1.42	1.37
14	j	517	CLA	C4B-NB	3.12	1.42	1.37
14	aB	1228	CLA	C4B-NB	3.12	1.42	1.37
14	a3	501	CLA	C4B-NB	3.12	1.42	1.37
14	a4	502	CLA	C4B-NB	3.12	1.42	1.37
14	m	508	CLA	C4B-NB	3.12	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	p	510	CLA	C4B-NB	3.12	1.42	1.37
14	aA	1136	CLA	C4B-NB	3.12	1.42	1.37
14	a3	511	CLA	C4B-NB	3.12	1.42	1.37
14	a4	512	CLA	C4B-NB	3.12	1.42	1.37
14	c3	519	CLA	C4B-NB	3.12	1.42	1.37
14	c5	504	CLA	C4B-NB	3.12	1.42	1.37
14	Y	501	CLA	C4B-NB	3.12	1.42	1.37
14	a	509	CLA	C4B-NB	3.12	1.42	1.37
14	b	506	CLA	C4B-NB	3.12	1.42	1.37
14	i	508	CLA	C4B-NB	3.12	1.42	1.37
14	U	502	CLA	C4B-NB	3.12	1.42	1.37
14	h	516	CLA	C4B-NB	3.12	1.42	1.37
14	n	508	CLA	C4B-NB	3.12	1.42	1.37
14	a1	502	CLA	C4B-NB	3.11	1.42	1.37
14	a1	516	CLA	C4B-NB	3.11	1.42	1.37
14	bA	1022	CLA	C4B-NB	3.11	1.42	1.37
14	b1	517	CLA	C4B-NB	3.11	1.42	1.37
14	V	510	CLA	C4B-NB	3.11	1.42	1.37
14	aA	1139	CLA	C4B-NB	3.11	1.42	1.37
14	b	502	CLA	C4B-NB	3.11	1.42	1.37
14	c	508	CLA	C4B-NB	3.11	1.42	1.37
14	g	519	CLA	C4B-NB	3.11	1.42	1.37
14	o	508	CLA	C4B-NB	3.11	1.42	1.37
14	bA	1136	CLA	C4B-NB	3.11	1.42	1.37
14	b5	519	CLA	C4B-NB	3.11	1.42	1.37
14	c1	511	CLA	C4B-NB	3.11	1.42	1.37
14	c	507	CLA	C4B-NB	3.11	1.42	1.37
14	a4	513	CLA	C4B-NB	3.11	1.41	1.37
14	c2	502	CLA	C4B-NB	3.11	1.41	1.37
14	Z	511	CLA	C4B-NB	3.11	1.41	1.37
14	j	509	CLA	C4B-NB	3.11	1.41	1.37
14	m	512	CLA	C4B-NB	3.11	1.41	1.37
20	aB	1852	SQD	O48-C23	3.11	1.42	1.33
14	a6	511	CLA	C4B-NB	3.11	1.41	1.37
14	cK	1103	CLA	C4B-NB	3.11	1.41	1.37
14	c2	513	CLA	C4B-NB	3.11	1.41	1.37
14	a6	509	CLA	C4B-NB	3.11	1.41	1.37
14	bA	1128	CLA	C4B-NB	3.11	1.41	1.37
14	a	503	CLA	C4B-NB	3.11	1.41	1.37
14	b	507	CLA	C4B-NB	3.11	1.41	1.37
14	c	518	CLA	C4B-NB	3.11	1.41	1.37
14	h	501	CLA	C4B-NB	3.11	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	j	503	CLA	C4B-NB	3.11	1.41	1.37
14	m	501	CLA	C4B-NB	3.11	1.41	1.37
14	bA	1109	CLA	C4B-NB	3.11	1.41	1.37
14	bB	1235	CLA	C4B-NB	3.11	1.41	1.37
14	U	511	CLA	C4B-NB	3.11	1.41	1.37
14	X	511	CLA	C4B-NB	3.11	1.41	1.37
14	a	506	CLA	C4B-NB	3.11	1.41	1.37
14	p	504	CLA	C4B-NB	3.11	1.41	1.37
14	aB	1212	CLA	C4B-NB	3.11	1.41	1.37
14	b1	508	CLA	C4B-NB	3.11	1.41	1.37
14	b1	511	CLA	C4B-NB	3.11	1.41	1.37
14	b3	503	CLA	C4B-NB	3.11	1.41	1.37
14	c2	504	CLA	C4B-NB	3.11	1.41	1.37
14	W	501	CLA	C4B-NB	3.11	1.41	1.37
14	k	508	CLA	C4B-NB	3.11	1.41	1.37
14	n	516	CLA	C4B-NB	3.11	1.41	1.37
14	bB	1205	CLA	C4B-NB	3.11	1.41	1.37
14	c4	503	CLA	C4B-NB	3.11	1.41	1.37
14	c6	507	CLA	C4B-NB	3.11	1.41	1.37
14	Z	512	CLA	C4B-NB	3.11	1.41	1.37
14	b4	507	CLA	C4B-NB	3.11	1.41	1.37
14	T	503	CLA	C4B-NB	3.11	1.41	1.37
20	b4	822	SQD	O48-C23	3.11	1.42	1.33
14	a2	510	CLA	C4B-NB	3.11	1.41	1.37
14	b3	518	CLA	C4B-NB	3.11	1.41	1.37
14	c3	503	CLA	C4B-NB	3.11	1.41	1.37
14	c6	511	CLA	C4B-NB	3.11	1.41	1.37
14	W	511	CLA	C4B-NB	3.11	1.41	1.37
14	l	509	CLA	C4B-NB	3.11	1.41	1.37
14	U	506	CLA	C4B-NB	3.11	1.41	1.37
20	cB	1852	SQD	O48-C23	3.10	1.42	1.33
20	h	822	SQD	O48-C23	3.10	1.42	1.33
14	aB	1207	CLA	C4B-NB	3.10	1.41	1.37
14	a1	503	CLA	C4B-NB	3.10	1.41	1.37
14	bA	1237	CLA	C4B-NB	3.10	1.41	1.37
14	b6	507	CLA	C4B-NB	3.10	1.41	1.37
14	cB	1204	CLA	C4B-NB	3.10	1.41	1.37
14	bB	1227	CLA	C4B-NB	3.10	1.41	1.37
14	cA	1128	CLA	C4B-NB	3.10	1.41	1.37
14	c4	504	CLA	C4B-NB	3.10	1.41	1.37
14	a	505	CLA	C4B-NB	3.10	1.41	1.37
20	g	822	SQD	O48-C23	3.10	1.42	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	aB	1233	CLA	C4B-NB	3.10	1.41	1.37
14	bA	1125	CLA	C4B-NB	3.10	1.41	1.37
14	cB	1233	CLA	C4B-NB	3.10	1.41	1.37
14	U	513	CLA	C4B-NB	3.10	1.41	1.37
14	Z	518	CLA	C4B-NB	3.10	1.41	1.37
14	aB	1235	CLA	C4B-NB	3.10	1.41	1.37
14	a1	508	CLA	C4B-NB	3.10	1.41	1.37
14	bA	1129	CLA	C4B-NB	3.10	1.41	1.37
14	b5	516	CLA	C4B-NB	3.10	1.41	1.37
14	cA	1110	CLA	C4B-NB	3.10	1.41	1.37
14	cJ	1303	CLA	C4B-NB	3.10	1.41	1.37
20	X	822	SQD	O48-C23	3.10	1.42	1.33
14	b6	506	CLA	C4B-NB	3.10	1.41	1.37
14	f	519	CLA	C4B-NB	3.10	1.41	1.37
20	a2	822	SQD	O48-C23	3.10	1.42	1.33
20	Z	822	SQD	O48-C23	3.10	1.42	1.33
14	aA	1117	CLA	C4B-NB	3.10	1.41	1.37
14	bA	1121	CLA	C4B-NB	3.10	1.41	1.37
14	c3	508	CLA	C4B-NB	3.10	1.41	1.37
14	c	511	CLA	C4B-NB	3.10	1.41	1.37
14	m	503	CLA	C4B-NB	3.10	1.41	1.37
14	q	511	CLA	C4B-NB	3.10	1.41	1.37
20	a4	822	SQD	O48-C23	3.10	1.42	1.33
14	a2	502	CLA	C4B-NB	3.10	1.41	1.37
14	a5	510	CLA	C4B-NB	3.10	1.41	1.37
14	bB	1220	CLA	C4B-NB	3.10	1.41	1.37
14	b6	510	CLA	C4B-NB	3.10	1.41	1.37
14	cA	1129	CLA	C4B-NB	3.10	1.41	1.37
14	c4	502	CLA	C4B-NB	3.10	1.41	1.37
14	U	510	CLA	C4B-NB	3.10	1.41	1.37
14	W	508	CLA	C4B-NB	3.10	1.41	1.37
14	e	511	CLA	C4B-NB	3.10	1.41	1.37
14	a6	517	CLA	C4B-NB	3.10	1.41	1.37
14	U	519	CLA	C4B-NB	3.10	1.41	1.37
14	V	508	CLA	C4B-NB	3.10	1.41	1.37
14	i	506	CLA	C4B-NB	3.10	1.41	1.37
14	aA	1237	CLA	C4B-NB	3.10	1.41	1.37
14	aK	1103	CLA	C4B-NB	3.10	1.41	1.37
14	bB	1234	CLA	C4B-NB	3.10	1.41	1.37
14	c4	510	CLA	C4B-NB	3.10	1.41	1.37
14	T	507	CLA	C4B-NB	3.10	1.41	1.37
14	i	507	CLA	C4B-NB	3.10	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	j	518	CLA	C4B-NB	3.10	1.41	1.37
14	aA	1109	CLA	C4B-NB	3.10	1.41	1.37
14	aB	1218	CLA	C4B-NB	3.10	1.41	1.37
14	a4	506	CLA	C4B-NB	3.10	1.41	1.37
14	bB	1226	CLA	C4B-NB	3.10	1.41	1.37
14	o	503	CLA	C4B-NB	3.10	1.41	1.37
14	b5	510	CLA	C4B-NB	3.10	1.41	1.37
14	c4	508	CLA	C4B-NB	3.10	1.41	1.37
14	S	503	CLA	C4B-NB	3.10	1.41	1.37
14	U	518	CLA	C4B-NB	3.10	1.41	1.37
14	j	510	CLA	C4B-NB	3.10	1.41	1.37
14	o	509	CLA	C4B-NB	3.10	1.41	1.37
14	a4	510	CLA	C4B-NB	3.10	1.41	1.37
14	b4	513	CLA	C4B-NB	3.10	1.41	1.37
14	b5	508	CLA	C4B-NB	3.10	1.41	1.37
14	g	507	CLA	C4B-NB	3.10	1.41	1.37
14	o	507	CLA	C4B-NB	3.10	1.41	1.37
14	b4	518	CLA	C4B-NB	3.10	1.41	1.37
14	j	505	CLA	C4B-NB	3.10	1.41	1.37
14	k	501	CLA	C4B-NB	3.10	1.41	1.37
14	a4	507	CLA	C4B-NB	3.09	1.41	1.37
14	a	501	CLA	C4B-NB	3.09	1.41	1.37
14	g	511	CLA	C4B-NB	3.09	1.41	1.37
20	a5	822	SQD	O48-C23	3.09	1.42	1.33
14	a2	511	CLA	C4B-NB	3.09	1.41	1.37
14	b4	511	CLA	C4B-NB	3.09	1.41	1.37
14	W	518	CLA	C4B-NB	3.09	1.41	1.37
14	m	507	CLA	C4B-NB	3.09	1.41	1.37
14	a4	508	CLA	C4B-NB	3.09	1.41	1.37
14	c2	503	CLA	C4B-NB	3.09	1.41	1.37
14	p	517	CLA	C4B-NB	3.09	1.41	1.37
14	aA	1112	CLA	C4B-NB	3.09	1.41	1.37
14	a1	501	CLA	C4B-NB	3.09	1.41	1.37
14	cB	1214	CLA	C4B-NB	3.09	1.41	1.37
14	d	508	CLA	C4B-NB	3.09	1.41	1.37
14	o	511	CLA	C4B-NB	3.09	1.41	1.37
15	aA	2001	PQN	C11-C12	3.09	1.55	1.50
14	b1	505	CLA	C4B-NB	3.09	1.41	1.37
14	b5	518	CLA	C4B-NB	3.09	1.41	1.37
14	cL	1503	CLA	C4B-NB	3.09	1.41	1.37
14	aB	1226	CLA	C4B-NB	3.09	1.41	1.37
14	a1	518	CLA	C4B-NB	3.09	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	bA	1110	CLA	C4B-NB	3.09	1.41	1.37
14	Y	516	CLA	C4B-NB	3.09	1.41	1.37
15	cB	2002	PQN	C11-C12	3.09	1.55	1.50
20	e	822	SQD	O48-C23	3.09	1.42	1.33
14	c1	513	CLA	C4B-NB	3.09	1.41	1.37
14	b	518	CLA	C4B-NB	3.09	1.41	1.37
20	S	822	SQD	O48-C23	3.09	1.42	1.33
14	q	502	CLA	C4B-NB	3.09	1.41	1.37
14	aA	1114	CLA	C4B-NB	3.09	1.41	1.37
14	aB	1217	CLA	C4B-NB	3.09	1.41	1.37
14	Z	503	CLA	C4B-NB	3.09	1.41	1.37
14	i	513	CLA	C4B-NB	3.09	1.41	1.37
14	k	513	CLA	C4B-NB	3.09	1.41	1.37
14	n	509	CLA	C4B-NB	3.09	1.41	1.37
14	a1	507	CLA	C4B-NB	3.09	1.41	1.37
14	a1	513	CLA	C4B-NB	3.09	1.41	1.37
14	U	504	CLA	C4B-NB	3.09	1.41	1.37
14	Z	510	CLA	C4B-NB	3.09	1.41	1.37
14	a	508	CLA	C4B-NB	3.09	1.41	1.37
14	i	518	CLA	C4B-NB	3.09	1.41	1.37
14	aA	1801	CLA	C4B-NB	3.09	1.41	1.37
14	b6	516	CLA	C4B-NB	3.09	1.41	1.37
14	d	501	CLA	C4B-NB	3.09	1.41	1.37
14	m	518	CLA	C4B-NB	3.09	1.41	1.37
14	Z	502	CLA	C4B-NB	3.09	1.41	1.37
14	l	504	CLA	C4B-NB	3.09	1.41	1.37
14	b5	517	CLA	C4B-NB	3.09	1.41	1.37
14	U	508	CLA	C4B-NB	3.09	1.41	1.37
14	c	513	CLA	C4B-NB	3.09	1.41	1.37
14	k	518	CLA	C4B-NB	3.09	1.41	1.37
14	a1	510	CLA	C4B-NB	3.08	1.41	1.37
14	bA	1114	CLA	C4B-NB	3.08	1.41	1.37
14	cA	1118	CLA	C4B-NB	3.08	1.41	1.37
14	b	511	CLA	C4B-NB	3.08	1.41	1.37
14	f	518	CLA	C4B-NB	3.08	1.41	1.37
14	bA	1122	CLA	C4B-NB	3.08	1.41	1.37
14	cB	1228	CLA	C4B-NB	3.08	1.41	1.37
14	d	518	CLA	C4B-NB	3.08	1.41	1.37
14	m	510	CLA	C4B-NB	3.08	1.41	1.37
14	o	505	CLA	C4B-NB	3.08	1.41	1.37
14	bA	1801	CLA	C4B-NB	3.08	1.41	1.37
14	X	502	CLA	C4B-NB	3.08	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	d	513	CLA	C4B-NB	3.08	1.41	1.37
14	a5	507	CLA	C4B-NB	3.08	1.41	1.37
14	c1	507	CLA	C4B-NB	3.08	1.41	1.37
14	c5	509	CLA	C4B-NB	3.08	1.41	1.37
14	c	516	CLA	C4B-NB	3.08	1.41	1.37
14	l	502	CLA	C4B-NB	3.08	1.41	1.37
14	l	513	CLA	C4B-NB	3.08	1.41	1.37
14	f	513	CLA	C4B-NB	3.08	1.41	1.37
14	h	503	CLA	C4B-NB	3.08	1.41	1.37
14	l	518	CLA	C4B-NB	3.08	1.41	1.37
14	o	513	CLA	C4B-NB	3.08	1.41	1.37
14	q	508	CLA	C4B-NB	3.08	1.41	1.37
14	a2	505	CLA	C4B-NB	3.08	1.41	1.37
14	a2	519	CLA	C4B-NB	3.08	1.41	1.37
14	b4	516	CLA	C4B-NB	3.08	1.41	1.37
14	X	518	CLA	C4B-NB	3.08	1.41	1.37
14	i	519	CLA	C4B-NB	3.08	1.41	1.37
14	m	516	CLA	C4B-NB	3.08	1.41	1.37
14	aB	1202	CLA	C4B-NB	3.08	1.41	1.37
14	b6	511	CLA	C4B-NB	3.08	1.41	1.37
14	j	516	CLA	C4B-NB	3.08	1.41	1.37
14	aA	1115	CLA	C4B-NB	3.08	1.41	1.37
14	aA	1127	CLA	C4B-NB	3.08	1.41	1.37
14	a6	502	CLA	C4B-NB	3.08	1.41	1.37
14	b2	502	CLA	C4B-NB	3.08	1.41	1.37
14	cA	1126	CLA	C4B-NB	3.08	1.41	1.37
14	c2	508	CLA	C4B-NB	3.08	1.41	1.37
14	d	507	CLA	C4B-NB	3.08	1.41	1.37
14	a6	510	CLA	C4B-NB	3.08	1.41	1.37
14	b5	505	CLA	C4B-NB	3.08	1.41	1.37
14	a1	511	CLA	C4B-NB	3.08	1.41	1.37
14	a3	507	CLA	C4B-NB	3.08	1.41	1.37
14	b1	503	CLA	C4B-NB	3.08	1.41	1.37
14	cB	1206	CLA	C4B-NB	3.08	1.41	1.37
14	cB	1211	CLA	C4B-NB	3.08	1.41	1.37
14	c5	511	CLA	C4B-NB	3.08	1.41	1.37
14	aA	1108	CLA	C4B-NB	3.08	1.41	1.37
14	a3	519	CLA	C4B-NB	3.08	1.41	1.37
14	bB	1212	CLA	C4B-NB	3.08	1.41	1.37
14	b1	513	CLA	C4B-NB	3.08	1.41	1.37
14	T	519	CLA	C4B-NB	3.08	1.41	1.37
14	i	511	CLA	C4B-NB	3.08	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	aA	1118	CLA	C4B-NB	3.08	1.41	1.37
14	c5	506	CLA	C4B-NB	3.08	1.41	1.37
14	f	511	CLA	C4B-NB	3.08	1.41	1.37
14	k	512	CLA	C4B-NB	3.08	1.41	1.37
14	q	518	CLA	C4B-NB	3.08	1.41	1.37
14	a2	518	CLA	C4B-NB	3.07	1.41	1.37
14	a4	518	CLA	C4B-NB	3.07	1.41	1.37
14	b2	505	CLA	C4B-NB	3.07	1.41	1.37
14	Y	518	CLA	C4B-NB	3.07	1.41	1.37
14	a	516	CLA	C4B-NB	3.07	1.41	1.37
14	aB	1201	CLA	C4B-NB	3.07	1.41	1.37
14	bB	1202	CLA	C4B-NB	3.07	1.41	1.37
14	b4	517	CLA	C4B-NB	3.07	1.41	1.37
14	c	505	CLA	C4B-NB	3.07	1.41	1.37
14	p	513	CLA	C4B-NB	3.07	1.41	1.37
14	a6	504	CLA	C4B-NB	3.07	1.41	1.37
14	cB	1217	CLA	C4B-NB	3.07	1.41	1.37
14	V	505	CLA	C4B-NB	3.07	1.41	1.37
14	h	505	CLA	C4B-NB	3.07	1.41	1.37
14	o	506	CLA	C4B-NB	3.07	1.41	1.37
14	a2	513	CLA	C4B-NB	3.07	1.41	1.37
14	a5	502	CLA	C4B-NB	3.07	1.41	1.37
14	bB	1021	CLA	C4B-NB	3.07	1.41	1.37
14	bB	1238	CLA	C4B-NB	3.07	1.41	1.37
14	bL	1503	CLA	C4B-NB	3.07	1.41	1.37
14	c4	505	CLA	C4B-NB	3.07	1.41	1.37
14	Y	506	CLA	C4B-NB	3.07	1.41	1.37
14	bA	1105	CLA	C4B-NB	3.07	1.41	1.37
14	bB	1201	CLA	C4B-NB	3.07	1.41	1.37
14	T	508	CLA	C4B-NB	3.07	1.41	1.37
14	Y	503	CLA	C4B-NB	3.07	1.41	1.37
14	c	519	CLA	C4B-NB	3.07	1.41	1.37
14	a5	513	CLA	C4B-NB	3.07	1.41	1.37
14	V	501	CLA	C4B-NB	3.07	1.41	1.37
14	l	505	CLA	C4B-NB	3.07	1.41	1.37
14	o	518	CLA	C4B-NB	3.07	1.41	1.37
14	c4	511	CLA	C4B-NB	3.07	1.41	1.37
14	h	518	CLA	C4B-NB	3.07	1.41	1.37
14	b2	507	CLA	C4B-NB	3.07	1.41	1.37
14	b6	505	CLA	C4B-NB	3.07	1.41	1.37
14	cB	1021	CLA	C4B-NB	3.07	1.41	1.37
14	V	518	CLA	C4B-NB	3.07	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	511	CLA	C4B-NB	3.07	1.41	1.37
14	f	506	CLA	C4B-NB	3.07	1.41	1.37
14	h	504	CLA	C4B-NB	3.07	1.41	1.37
14	b3	510	CLA	C4B-NB	3.07	1.41	1.37
14	b3	516	CLA	C4B-NB	3.07	1.41	1.37
14	cB	1235	CLA	C4B-NB	3.07	1.41	1.37
14	c2	510	CLA	C4B-NB	3.07	1.41	1.37
14	a3	518	CLA	C4B-NB	3.07	1.41	1.37
14	a5	518	CLA	C4B-NB	3.07	1.41	1.37
14	bL	1502	CLA	C4B-NB	3.07	1.41	1.37
14	k	507	CLA	C4B-NB	3.07	1.41	1.37
14	a5	506	CLA	C4B-NB	3.07	1.41	1.37
14	b6	502	CLA	C4B-NB	3.07	1.41	1.37
14	c3	502	CLA	C4B-NB	3.07	1.41	1.37
14	S	513	CLA	C4B-NB	3.07	1.41	1.37
14	T	511	CLA	C4B-NB	3.07	1.41	1.37
14	o	517	CLA	C4B-NB	3.07	1.41	1.37
20	Y	822	SQD	O48-C23	3.07	1.42	1.33
14	b3	513	CLA	C4B-NB	3.07	1.41	1.37
14	cB	1224	CLA	C4B-NB	3.07	1.41	1.37
14	c4	507	CLA	C4B-NB	3.07	1.41	1.37
14	Z	508	CLA	C4B-NB	3.07	1.41	1.37
14	a2	508	CLA	C4B-NB	3.06	1.41	1.37
14	cA	1120	CLA	C4B-NB	3.06	1.41	1.37
14	h	519	CLA	C4B-NB	3.06	1.41	1.37
14	aA	1128	CLA	C4B-NB	3.06	1.41	1.37
14	aB	1234	CLA	C4B-NB	3.06	1.41	1.37
14	b2	511	CLA	C4B-NB	3.06	1.41	1.37
14	c	510	CLA	C4B-NB	3.06	1.41	1.37
14	h	511	CLA	C4B-NB	3.06	1.41	1.37
14	bA	1126	CLA	C4B-NB	3.06	1.41	1.37
14	c3	511	CLA	C4B-NB	3.06	1.41	1.37
14	c6	509	CLA	C4B-NB	3.06	1.41	1.37
14	f	507	CLA	C4B-NB	3.06	1.41	1.37
14	j	508	CLA	C4B-NB	3.06	1.41	1.37
14	bA	1130	CLA	C4B-NB	3.06	1.41	1.37
14	bB	1222	CLA	C4B-NB	3.06	1.41	1.37
14	cA	1108	CLA	C4B-NB	3.06	1.41	1.37
14	Y	505	CLA	C4B-NB	3.06	1.41	1.37
14	bB	1204	CLA	C4B-NB	3.06	1.41	1.37
14	cA	1130	CLA	C4B-NB	3.06	1.41	1.37
14	b2	518	CLA	C4B-NB	3.06	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b6	504	CLA	C4B-NB	3.06	1.41	1.37
14	X	509	CLA	C4B-NB	3.06	1.41	1.37
14	p	516	CLA	C4B-NB	3.06	1.41	1.37
14	V	509	CLA	C4B-NB	3.06	1.41	1.37
14	o	502	CLA	C4B-NB	3.06	1.41	1.37
14	a2	503	CLA	C4B-NB	3.06	1.41	1.37
14	a3	502	CLA	C4B-NB	3.06	1.41	1.37
14	cB	1227	CLA	C4B-NB	3.06	1.41	1.37
14	S	511	CLA	C4B-NB	3.06	1.41	1.37
14	b2	506	CLA	C4B-NB	3.06	1.41	1.37
14	j	513	CLA	C4B-NB	3.06	1.41	1.37
14	c6	518	CLA	C4B-NB	3.06	1.41	1.37
14	o	510	CLA	C4B-NB	3.06	1.41	1.37
14	p	511	CLA	C4B-NB	3.06	1.41	1.37
14	q	510	CLA	C4B-NB	3.06	1.41	1.37
14	a3	513	CLA	C4B-NB	3.06	1.41	1.37
14	b1	518	CLA	C4B-NB	3.06	1.41	1.37
14	cA	1127	CLA	C4B-NB	3.06	1.41	1.37
14	a	502	CLA	C4B-NB	3.06	1.41	1.37
14	b	508	CLA	C4B-NB	3.06	1.41	1.37
14	g	508	CLA	C4B-NB	3.06	1.41	1.37
14	h	508	CLA	C4B-NB	3.06	1.41	1.37
14	cA	1115	CLA	C4B-NB	3.06	1.41	1.37
14	cA	1122	CLA	C4B-NB	3.06	1.41	1.37
14	cL	1502	CLA	C4B-NB	3.06	1.41	1.37
14	j	511	CLA	C4B-NB	3.06	1.41	1.37
15	bB	2002	PQN	C11-C12	3.06	1.55	1.50
14	a3	508	CLA	C4B-NB	3.06	1.41	1.37
14	b6	508	CLA	C4B-NB	3.06	1.41	1.37
14	c1	505	CLA	C4B-NB	3.06	1.41	1.37
14	c4	516	CLA	C4B-NB	3.06	1.41	1.37
14	V	511	CLA	C4B-NB	3.06	1.41	1.37
14	bA	1132	CLA	C4B-NB	3.05	1.41	1.37
14	b1	509	CLA	C4B-NB	3.05	1.41	1.37
14	c1	502	CLA	C4B-NB	3.05	1.41	1.37
14	c5	513	CLA	C4B-NB	3.05	1.41	1.37
14	c6	504	CLA	C4B-NB	3.05	1.41	1.37
14	Z	506	CLA	C4B-NB	3.05	1.41	1.37
14	aA	1122	CLA	C4B-NB	3.05	1.41	1.37
14	c2	511	CLA	C4B-NB	3.05	1.41	1.37
14	W	516	CLA	C4B-NB	3.05	1.41	1.37
14	f	509	CLA	C4B-NB	3.05	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	k	511	CLA	C4B-NB	3.05	1.41	1.37
14	aB	1021	CLA	C4B-NB	3.05	1.41	1.37
14	bA	1103	CLA	C4B-NB	3.05	1.41	1.37
14	X	506	CLA	C4B-NB	3.05	1.41	1.37
14	aB	1224	CLA	C4B-NB	3.05	1.41	1.37
14	a5	505	CLA	C4B-NB	3.05	1.41	1.37
14	bA	1127	CLA	C4B-NB	3.05	1.41	1.37
14	bA	1133	CLA	C4B-NB	3.05	1.41	1.37
14	bB	1216	CLA	C4B-NB	3.05	1.41	1.37
14	b2	516	CLA	C4B-NB	3.05	1.41	1.37
14	cA	1136	CLA	C4B-NB	3.05	1.41	1.37
14	cB	1202	CLA	C4B-NB	3.05	1.41	1.37
14	c2	509	CLA	C4B-NB	3.05	1.41	1.37
14	l	507	CLA	C4B-NB	3.05	1.41	1.37
14	b	516	CLA	C4B-NB	3.05	1.41	1.37
14	bA	1124	CLA	C4B-NB	3.05	1.41	1.37
14	e	510	CLA	C4B-NB	3.05	1.41	1.37
14	g	509	CLA	C4B-NB	3.05	1.41	1.37
14	i	509	CLA	C4B-NB	3.05	1.41	1.37
14	k	502	CLA	C4B-NB	3.05	1.41	1.37
14	aA	1129	CLA	C4B-NB	3.05	1.41	1.37
14	bA	1112	CLA	C4B-NB	3.05	1.41	1.37
14	d	511	CLA	C4B-NB	3.05	1.41	1.37
14	n	507	CLA	C4B-NB	3.05	1.41	1.37
14	a6	519	CLA	C4B-NB	3.05	1.41	1.37
14	a5	509	CLA	C4B-NB	3.05	1.41	1.37
14	c6	510	CLA	C4B-NB	3.05	1.41	1.37
14	m	509	CLA	C4B-NB	3.05	1.41	1.37
15	aB	2002	PQN	C11-C12	3.05	1.55	1.50
14	aB	1227	CLA	C4B-NB	3.05	1.41	1.37
14	cA	1133	CLA	C4B-NB	3.05	1.41	1.37
14	f	503	CLA	C4B-NB	3.05	1.41	1.37
14	aA	1133	CLA	C4B-NB	3.05	1.41	1.37
14	cB	1213	CLA	C4B-NB	3.05	1.41	1.37
14	bA	1118	CLA	C4B-NB	3.05	1.41	1.37
14	cA	1119	CLA	C4B-NB	3.05	1.41	1.37
14	c1	519	CLA	C4B-NB	3.05	1.41	1.37
14	X	510	CLA	C4B-NB	3.05	1.41	1.37
14	a3	516	CLA	C4B-NB	3.05	1.41	1.37
14	bB	1203	CLA	C4B-NB	3.05	1.41	1.37
14	bB	1213	CLA	C4B-NB	3.05	1.41	1.37
14	X	507	CLA	C4B-NB	3.05	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	e	505	CLA	C4B-NB	3.05	1.41	1.37
14	c3	504	CLA	C4B-NB	3.04	1.41	1.37
14	g	510	CLA	C4B-NB	3.04	1.41	1.37
14	q	513	CLA	C4B-NB	3.04	1.41	1.37
14	b3	508	CLA	C4B-NB	3.04	1.41	1.37
14	c5	502	CLA	C4B-NB	3.04	1.41	1.37
14	Y	509	CLA	C4B-NB	3.04	1.41	1.37
20	b3	822	SQD	O48-C23	3.04	1.42	1.33
14	f	510	CLA	C4B-NB	3.04	1.41	1.37
14	aB	1211	CLA	C4B-NB	3.04	1.41	1.37
14	e	502	CLA	C4B-NB	3.04	1.41	1.37
14	g	513	CLA	C4B-NB	3.04	1.41	1.37
14	aB	1205	CLA	C4B-NB	3.04	1.41	1.37
14	c1	508	CLA	C4B-NB	3.04	1.41	1.37
14	S	509	CLA	C4B-NB	3.04	1.41	1.37
14	c2	519	CLA	C4B-NB	3.04	1.41	1.37
14	k	510	CLA	C4B-NB	3.04	1.41	1.37
14	aB	1221	CLA	C4B-NB	3.04	1.41	1.37
14	i	505	CLA	C4B-NB	3.04	1.41	1.37
14	aA	1119	CLA	C4B-NB	3.04	1.41	1.37
14	b1	502	CLA	C4B-NB	3.04	1.41	1.37
14	b5	511	CLA	C4B-NB	3.04	1.41	1.37
14	c6	506	CLA	C4B-NB	3.04	1.41	1.37
20	Y	822	SQD	O47-C7	3.04	1.42	1.34
14	aL	1503	CLA	C4B-NB	3.04	1.41	1.37
14	b4	502	CLA	C4B-NB	3.04	1.41	1.37
14	cA	1106	CLA	C4B-NB	3.04	1.41	1.37
14	e	507	CLA	C4B-NB	3.04	1.41	1.37
14	aA	1103	CLA	C4B-NB	3.04	1.41	1.37
14	c6	516	CLA	C4B-NB	3.04	1.41	1.37
14	Z	505	CLA	C4B-NB	3.04	1.41	1.37
14	a2	509	CLA	C4B-NB	3.04	1.41	1.37
14	b3	507	CLA	C4B-NB	3.04	1.41	1.37
14	cA	1125	CLA	C4B-NB	3.04	1.41	1.37
14	g	518	CLA	C4B-NB	3.04	1.41	1.37
14	b5	509	CLA	C4B-NB	3.04	1.41	1.37
14	c3	505	CLA	C4B-NB	3.04	1.41	1.37
14	c5	510	CLA	C4B-NB	3.04	1.41	1.37
14	f	505	CLA	C4B-NB	3.04	1.41	1.37
14	h	510	CLA	C4B-NB	3.04	1.41	1.37
14	p	509	CLA	C4B-NB	3.04	1.41	1.37
14	a3	505	CLA	C4B-NB	3.04	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	cA	1103	CLA	C4B-NB	3.04	1.41	1.37
14	c6	502	CLA	C4B-NB	3.04	1.41	1.37
14	n	513	CLA	C4B-NB	3.04	1.41	1.37
14	bA	1108	CLA	C4B-NB	3.03	1.41	1.37
14	b1	510	CLA	C4B-NB	3.03	1.41	1.37
14	b2	503	CLA	C4B-NB	3.03	1.41	1.37
14	h	509	CLA	C4B-NB	3.03	1.41	1.37
14	l	510	CLA	C4B-NB	3.03	1.41	1.37
14	aA	1130	CLA	C4B-NB	3.03	1.41	1.37
14	c	509	CLA	C4B-NB	3.03	1.41	1.37
14	aA	1107	CLA	C4B-NB	3.03	1.41	1.37
14	aB	1214	CLA	C4B-NB	3.03	1.41	1.37
14	Z	509	CLA	C4B-NB	3.03	1.41	1.37
14	d	502	CLA	C4B-NB	3.03	1.41	1.37
14	bA	1123	CLA	C4B-NB	3.03	1.41	1.37
14	W	502	CLA	C4B-NB	3.03	1.41	1.37
14	e	508	CLA	C4B-NB	3.03	1.41	1.37
14	aA	1123	CLA	C4B-NB	3.03	1.41	1.37
14	bB	1217	CLA	C4B-NB	3.03	1.41	1.37
14	c	502	CLA	C4B-NB	3.03	1.41	1.37
14	f	508	CLA	C4B-NB	3.03	1.41	1.37
14	aA	1120	CLA	C4B-NB	3.03	1.41	1.37
14	d	505	CLA	C4B-NB	3.03	1.41	1.37
14	m	505	CLA	C4B-NB	3.03	1.41	1.37
14	n	502	CLA	C4B-NB	3.03	1.41	1.37
14	cB	1226	CLA	C4B-NB	3.03	1.41	1.37
14	T	513	CLA	C4B-NB	3.03	1.41	1.37
14	p	518	CLA	C4B-NB	3.03	1.41	1.37
14	c2	507	CLA	C4B-NB	3.03	1.41	1.37
14	aB	1012	CLA	C4B-NB	3.03	1.41	1.37
14	g	502	CLA	C4B-NB	3.03	1.41	1.37
14	p	508	CLA	C4B-NB	3.03	1.41	1.37
14	bB	1211	CLA	C4B-NB	3.03	1.41	1.37
14	n	511	CLA	C4B-NB	3.03	1.41	1.37
14	bB	1012	CLA	C4B-NB	3.03	1.41	1.37
14	aB	1238	CLA	C4B-NB	3.02	1.41	1.37
14	bA	1107	CLA	C4B-NB	3.02	1.41	1.37
14	bB	1023	CLA	C4B-NB	3.02	1.41	1.37
14	e	518	CLA	C4B-NB	3.02	1.41	1.37
14	h	502	CLA	C4B-NB	3.02	1.41	1.37
14	aB	1203	CLA	C4B-NB	3.02	1.41	1.37
14	a4	503	CLA	C4B-NB	3.02	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	S	502	CLA	C4B-NB	3.02	1.41	1.37
14	a2	516	CLA	C4B-NB	3.02	1.41	1.37
14	a4	516	CLA	C4B-NB	3.02	1.41	1.37
14	b3	509	CLA	C4B-NB	3.02	1.41	1.37
14	cA	1132	CLA	C4B-NB	3.02	1.41	1.37
14	cB	1225	CLA	C4B-NB	3.02	1.41	1.37
14	aB	1219	CLA	C4B-NB	3.02	1.41	1.37
14	b4	510	CLA	C4B-NB	3.02	1.41	1.37
20	a3	822	SQD	O48-C23	3.02	1.42	1.33
14	aA	1126	CLA	C4B-NB	3.02	1.41	1.37
14	bB	1225	CLA	C4B-NB	3.02	1.41	1.37
14	n	505	CLA	C4B-NB	3.02	1.41	1.37
14	cA	1117	CLA	C4B-NB	3.02	1.41	1.37
14	cB	1212	CLA	C4B-NB	3.02	1.41	1.37
14	bA	1119	CLA	C4B-NB	3.02	1.41	1.37
14	c5	518	CLA	C4B-NB	3.02	1.41	1.37
14	q	509	CLA	C4B-NB	3.02	1.41	1.37
14	aA	1132	CLA	C4B-NB	3.02	1.41	1.37
14	bA	1106	CLA	C4B-NB	3.02	1.41	1.37
14	cB	1012	CLA	C4B-NB	3.02	1.41	1.37
14	d	509	CLA	C4B-NB	3.02	1.41	1.37
14	aA	1111	CLA	C4B-NB	3.02	1.41	1.37
14	a4	504	CLA	C4B-NB	3.02	1.41	1.37
14	b4	509	CLA	C4B-NB	3.02	1.41	1.37
14	b5	502	CLA	C4B-NB	3.02	1.41	1.37
14	c4	519	CLA	C4B-NB	3.02	1.41	1.37
14	U	505	CLA	C4B-NB	3.02	1.41	1.37
14	i	516	CLA	C4B-NB	3.02	1.41	1.37
14	aB	1206	CLA	C4B-NB	3.01	1.41	1.37
14	bA	1117	CLA	C4B-NB	3.01	1.41	1.37
14	bA	1013	CLA	C4B-NB	3.01	1.41	1.37
14	k	519	CLA	C4B-NB	3.01	1.41	1.37
14	cA	1111	CLA	C4B-NB	3.01	1.41	1.37
14	aL	1502	CLA	C4B-NB	3.01	1.41	1.37
14	cB	1221	CLA	C4B-NB	3.01	1.41	1.37
14	c6	505	CLA	C4B-NB	3.01	1.41	1.37
14	b5	507	CLA	C4B-NB	3.01	1.41	1.37
14	cA	1801	CLA	C4B-NB	3.01	1.41	1.37
14	a3	510	CLA	C4B-NB	3.01	1.41	1.37
14	c4	509	CLA	C4B-NB	3.01	1.41	1.37
14	c5	505	CLA	C4B-NB	3.01	1.41	1.37
14	b2	509	CLA	C4B-NB	3.01	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	cB	1222	CLA	C4B-NB	3.01	1.41	1.37
14	q	505	CLA	C4B-NB	3.01	1.41	1.37
14	X	505	CLA	C4B-NB	3.01	1.41	1.37
14	bA	1120	CLA	C4B-NB	3.01	1.41	1.37
14	b3	511	CLA	C4B-NB	3.01	1.41	1.37
14	cB	1203	CLA	C4B-NB	3.01	1.41	1.37
14	U	516	CLA	C4B-NB	3.01	1.41	1.37
14	aB	1223	CLA	C4B-NB	3.00	1.41	1.37
14	a1	505	CLA	C4B-NB	3.00	1.41	1.37
14	a1	509	CLA	C4B-NB	3.00	1.41	1.37
14	a6	516	CLA	C4B-NB	3.00	1.41	1.37
14	cA	1124	CLA	C4B-NB	3.00	1.41	1.37
14	l	519	CLA	C4B-NB	3.00	1.41	1.37
14	cA	1112	CLA	C4B-NB	3.00	1.41	1.37
14	bA	1115	CLA	C4B-NB	3.00	1.41	1.37
14	c5	507	CLA	C4B-NB	3.00	1.41	1.37
14	aA	1106	CLA	C4B-NB	3.00	1.41	1.37
14	cA	1107	CLA	C4B-NB	3.00	1.41	1.37
14	aA	1105	CLA	C4B-NB	3.00	1.41	1.37
14	bB	1221	CLA	C4B-NB	3.00	1.41	1.37
14	cB	1238	CLA	C4B-NB	3.00	1.41	1.37
14	T	509	CLA	C4B-NB	3.00	1.41	1.37
14	g	505	CLA	C4B-NB	3.00	1.41	1.37
14	g	516	CLA	C4B-NB	3.00	1.41	1.37
14	a4	505	CLA	C4B-NB	3.00	1.41	1.37
14	b2	510	CLA	C4B-NB	3.00	1.41	1.37
14	b5	513	CLA	C4B-NB	3.00	1.41	1.37
14	cB	1223	CLA	C4B-NB	3.00	1.41	1.37
14	c3	507	CLA	C4B-NB	3.00	1.41	1.37
14	f	502	CLA	C4B-NB	3.00	1.41	1.37
14	bB	1214	CLA	C4B-NB	2.99	1.41	1.37
14	cA	1105	CLA	C4B-NB	2.99	1.41	1.37
14	a2	507	CLA	C4B-NB	2.99	1.41	1.37
14	b4	505	CLA	C4B-NB	2.99	1.41	1.37
14	c1	518	CLA	C4B-NB	2.99	1.41	1.37
14	S	510	CLA	C4B-NB	2.99	1.41	1.37
14	T	505	CLA	C4B-NB	2.99	1.41	1.37
14	W	507	CLA	C4B-NB	2.99	1.41	1.37
14	cA	1013	CLA	C4B-NB	2.99	1.41	1.37
14	c3	509	CLA	C4B-NB	2.99	1.41	1.37
14	b	505	CLA	C4B-NB	2.99	1.41	1.37
14	aA	1135	CLA	C4B-NB	2.99	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	bA	1113	CLA	C4B-NB	2.99	1.41	1.37
14	bA	1111	CLA	C4B-NB	2.99	1.41	1.37
14	aB	1023	CLA	C4B-NB	2.99	1.41	1.37
14	bB	1223	CLA	C4B-NB	2.99	1.41	1.37
14	c3	516	CLA	C4B-NB	2.98	1.41	1.37
14	aB	1213	CLA	C4B-NB	2.98	1.41	1.37
14	b2	501	CLA	C4B-NB	2.98	1.41	1.37
14	cB	1023	CLA	C4B-NB	2.98	1.41	1.37
14	cB	1210	CLA	C4B-NB	2.98	1.41	1.37
14	cL	1501	CLA	C4B-NB	2.98	1.41	1.37
14	c2	505	CLA	C4B-NB	2.98	1.41	1.37
14	p	505	CLA	C4B-NB	2.98	1.41	1.37
14	a3	509	CLA	C4B-NB	2.98	1.41	1.37
14	a6	505	CLA	C4B-NB	2.98	1.41	1.37
14	m	502	CLA	C4B-NB	2.98	1.41	1.37
14	a4	509	CLA	C4B-NB	2.98	1.41	1.37
14	Z	507	CLA	C4B-NB	2.98	1.41	1.37
14	a6	507	CLA	C4B-NB	2.98	1.41	1.37
14	aA	1113	CLA	C4B-NB	2.98	1.41	1.37
14	S	506	CLA	C4B-NB	2.97	1.41	1.37
14	a	518	CLA	C4B-NB	2.97	1.41	1.37
14	b	509	CLA	C4B-NB	2.97	1.41	1.37
14	Y	507	CLA	C4B-NB	2.97	1.41	1.37
14	aB	1225	CLA	C4B-NB	2.97	1.41	1.37
14	bB	1210	CLA	C4B-NB	2.97	1.41	1.37
14	aA	1013	CLA	C4B-NB	2.97	1.41	1.37
14	l	516	CLA	C4B-NB	2.96	1.41	1.37
14	aA	1124	CLA	C4B-NB	2.96	1.41	1.37
14	cA	1123	CLA	C4B-NB	2.96	1.41	1.37
14	aA	1011	CLA	C4B-NB	2.96	1.41	1.37
14	aL	1501	CLA	C4B-NB	2.96	1.41	1.37
14	f	516	CLA	C4B-NB	2.96	1.41	1.37
14	aB	1210	CLA	C4B-NB	2.96	1.41	1.37
14	b4	504	CLA	C4B-NB	2.96	1.41	1.37
20	g	822	SQD	O47-C7	2.96	1.42	1.34
14	S	505	CLA	C4B-NB	2.96	1.41	1.37
14	aB	1222	CLA	C4B-NB	2.95	1.41	1.37
14	bB	1219	CLA	C4B-NB	2.95	1.41	1.37
15	cB	2002	PQN	C3-C4	-2.95	1.39	1.47
14	W	505	CLA	C4B-NB	2.95	1.41	1.37
15	cA	2001	PQN	C3-C4	-2.95	1.39	1.47
20	c2	822	SQD	O47-C7	2.95	1.42	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	cB	1219	CLA	C4B-NB	2.95	1.41	1.37
14	o	512	CLA	C1B-C2B	2.94	1.50	1.43
14	c	517	CLA	C4B-NB	2.94	1.41	1.37
14	bA	1135	CLA	C4B-NB	2.94	1.41	1.37
14	cA	1011	CLA	C4B-NB	2.94	1.41	1.37
14	cA	1113	CLA	C4B-NB	2.94	1.41	1.37
15	aB	2002	PQN	C3-C4	-2.94	1.39	1.47
15	bB	2002	PQN	C3-C4	-2.94	1.39	1.47
14	cA	1135	CLA	C4B-NB	2.93	1.41	1.37
14	W	509	CLA	C4B-NB	2.93	1.41	1.37
15	aA	2001	PQN	C3-C4	-2.93	1.39	1.47
14	bA	1011	CLA	C4B-NB	2.92	1.41	1.37
14	bL	1501	CLA	C4B-NB	2.91	1.41	1.37
15	bA	2001	PQN	C3-C4	-2.91	1.39	1.47
20	n	822	SQD	O47-C7	2.91	1.42	1.34
20	b5	822	SQD	O47-C7	2.91	1.42	1.34
20	W	822	SQD	O47-C7	2.91	1.42	1.34
20	c6	822	SQD	O47-C7	2.90	1.42	1.34
20	c4	822	SQD	O47-C7	2.90	1.42	1.34
20	V	822	SQD	O47-C7	2.90	1.42	1.34
20	b2	822	SQD	O47-C7	2.90	1.42	1.34
20	i	822	SQD	O47-C7	2.89	1.42	1.34
20	h	822	SQD	O47-C7	2.89	1.42	1.34
20	a1	822	SQD	O47-C7	2.89	1.42	1.34
20	a5	822	SQD	O47-C7	2.89	1.42	1.34
20	e	822	SQD	O47-C7	2.89	1.42	1.34
14	V	516	CLA	C1B-C2B	2.89	1.49	1.43
20	Z	822	SQD	O47-C7	2.88	1.42	1.34
14	cB	1021	CLA	C1B-C2B	2.88	1.49	1.43
14	bB	1021	CLA	C1B-C2B	2.88	1.49	1.43
20	c5	822	SQD	O47-C7	2.88	1.42	1.34
20	c3	822	SQD	O47-C7	2.88	1.42	1.34
20	a2	822	SQD	O47-C7	2.88	1.42	1.34
20	c	822	SQD	O47-C7	2.88	1.42	1.34
20	a6	822	SQD	O47-C7	2.87	1.42	1.34
20	X	822	SQD	O47-C7	2.87	1.42	1.34
20	d	822	SQD	O47-C7	2.87	1.42	1.34
20	b4	822	SQD	O47-C7	2.87	1.42	1.34
14	aB	1021	CLA	C1B-C2B	2.87	1.49	1.43
20	S	822	SQD	O47-C7	2.87	1.42	1.34
20	a3	822	SQD	O47-C7	2.87	1.42	1.34
20	m	822	SQD	O47-C7	2.87	1.42	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	aA	1011	CLA	C1B-C2B	2.87	1.49	1.43
20	b3	822	SQD	O47-C7	2.87	1.42	1.34
14	k	512	CLA	C1B-C2B	2.86	1.49	1.43
14	l	517	CLA	C4B-NB	2.86	1.41	1.37
20	p	822	SQD	O47-C7	2.86	1.42	1.34
20	f	822	SQD	O47-C7	2.86	1.42	1.34
20	a4	822	SQD	O47-C7	2.86	1.42	1.34
20	b1	822	SQD	O47-C7	2.86	1.42	1.34
14	bB	1227	CLA	C1B-C2B	2.86	1.49	1.43
14	a5	516	CLA	C4B-NB	2.85	1.41	1.37
14	m	519	CLA	C1B-C2B	2.85	1.49	1.43
14	X	502	CLA	C1B-C2B	2.85	1.49	1.43
20	T	822	SQD	O47-C7	2.85	1.42	1.34
20	b	822	SQD	O47-C7	2.85	1.42	1.34
14	l	502	CLA	C1B-C2B	2.84	1.49	1.43
14	k	509	CLA	C1B-C2B	2.84	1.49	1.43
20	cB	1852	SQD	O47-C7	2.84	1.42	1.34
14	c6	502	CLA	C1B-C2B	2.84	1.49	1.43
20	b6	822	SQD	O47-C7	2.84	1.42	1.34
14	b5	504	CLA	C1B-C2B	2.83	1.49	1.43
14	l	511	CLA	C1B-C2B	2.83	1.49	1.43
14	a3	519	CLA	C1B-C2B	2.83	1.49	1.43
14	m	509	CLA	C1B-C2B	2.83	1.49	1.43
14	f	503	CLA	C1B-C2B	2.83	1.49	1.43
14	c3	509	CLA	C1B-C2B	2.83	1.49	1.43
14	c	509	CLA	C1B-C2B	2.82	1.49	1.43
14	V	509	CLA	C1B-C2B	2.82	1.49	1.43
14	c5	518	CLA	C1B-C2B	2.82	1.49	1.43
14	j	510	CLA	C1B-C2B	2.82	1.49	1.43
14	b2	512	CLA	C1B-C2B	2.82	1.49	1.43
14	a5	502	CLA	C1B-C2B	2.82	1.49	1.43
14	a	518	CLA	C1B-C2B	2.82	1.49	1.43
14	g	502	CLA	C1B-C2B	2.82	1.49	1.43
14	b1	502	CLA	C1B-C2B	2.82	1.49	1.43
14	T	519	CLA	C1B-C2B	2.82	1.49	1.43
14	a1	516	CLA	C1B-C2B	2.82	1.49	1.43
14	S	505	CLA	C1B-C2B	2.82	1.49	1.43
14	S	502	CLA	C1B-C2B	2.82	1.49	1.43
14	U	519	CLA	C1B-C2B	2.82	1.49	1.43
14	c1	511	CLA	C1B-C2B	2.82	1.49	1.43
14	c6	519	CLA	C1B-C2B	2.82	1.49	1.43
14	e	509	CLA	C1B-C2B	2.82	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	V	511	CLA	C1B-C2B	2.82	1.49	1.43
14	c	505	CLA	C1B-C2B	2.81	1.49	1.43
14	h	502	CLA	C1B-C2B	2.81	1.49	1.43
14	cA	1120	CLA	C1B-C2B	2.81	1.49	1.43
14	X	518	CLA	C1B-C2B	2.81	1.49	1.43
14	b	511	CLA	C1B-C2B	2.81	1.49	1.43
14	b3	509	CLA	C1B-C2B	2.81	1.49	1.43
14	cB	1230	CLA	C1B-C2B	2.81	1.49	1.43
14	a	502	CLA	C1B-C2B	2.81	1.49	1.43
14	aB	1230	CLA	C1B-C2B	2.81	1.49	1.43
14	T	502	CLA	C1B-C2B	2.81	1.49	1.43
14	j	509	CLA	C1B-C2B	2.81	1.49	1.43
14	p	511	CLA	C1B-C2B	2.81	1.49	1.43
14	V	518	CLA	C1B-C2B	2.81	1.49	1.43
14	V	502	CLA	C1B-C2B	2.81	1.49	1.43
14	a2	510	CLA	C1B-C2B	2.81	1.49	1.43
14	p	509	CLA	C1B-C2B	2.81	1.49	1.43
14	c6	509	CLA	C1B-C2B	2.81	1.49	1.43
14	a6	502	CLA	C1B-C2B	2.81	1.49	1.43
14	b5	502	CLA	C1B-C2B	2.81	1.49	1.43
14	bB	1230	CLA	C1B-C2B	2.81	1.49	1.43
14	b6	509	CLA	C1B-C2B	2.81	1.49	1.43
14	Y	518	CLA	C1B-C2B	2.81	1.49	1.43
14	q	502	CLA	C1B-C2B	2.81	1.49	1.43
14	U	510	CLA	C1B-C2B	2.81	1.49	1.43
14	q	509	CLA	C1B-C2B	2.81	1.49	1.43
14	aA	1107	CLA	C1B-C2B	2.80	1.49	1.43
14	f	510	CLA	C1B-C2B	2.80	1.49	1.43
14	o	516	CLA	C1B-C2B	2.80	1.49	1.43
14	q	518	CLA	C1B-C2B	2.80	1.49	1.43
14	aB	1203	CLA	C1B-C2B	2.80	1.49	1.43
14	a2	503	CLA	C1B-C2B	2.80	1.49	1.43
14	b1	510	CLA	C1B-C2B	2.80	1.49	1.43
14	Y	519	CLA	C1B-C2B	2.80	1.49	1.43
14	a4	519	CLA	C1B-C2B	2.80	1.49	1.43
14	T	509	CLA	C1B-C2B	2.80	1.49	1.43
14	e	512	CLA	C1B-C2B	2.80	1.49	1.43
14	a6	509	CLA	C1B-C2B	2.80	1.49	1.43
14	d	519	CLA	C1B-C2B	2.80	1.49	1.43
14	c4	509	CLA	C1B-C2B	2.80	1.49	1.43
14	c4	502	CLA	C1B-C2B	2.80	1.49	1.43
14	Z	502	CLA	C1B-C2B	2.80	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	o	502	CLA	C1B-C2B	2.80	1.49	1.43
14	p	516	CLA	C1B-C2B	2.80	1.49	1.43
14	c1	503	CLA	C1B-C2B	2.80	1.49	1.43
14	a5	509	CLA	C1B-C2B	2.80	1.49	1.43
14	l	509	CLA	C1B-C2B	2.80	1.49	1.43
14	a4	509	CLA	C1B-C2B	2.80	1.49	1.43
20	aB	1852	SQD	O47-C7	2.80	1.42	1.34
14	m	518	CLA	C1B-C2B	2.80	1.49	1.43
14	n	502	CLA	C1B-C2B	2.80	1.49	1.43
14	Y	509	CLA	C1B-C2B	2.80	1.49	1.43
14	b	509	CLA	C1B-C2B	2.80	1.49	1.43
14	a6	519	CLA	C1B-C2B	2.80	1.49	1.43
14	c2	517	CLA	C1B-C2B	2.80	1.49	1.43
14	cA	1135	CLA	C1B-C2B	2.80	1.49	1.43
14	aA	1104	CLA	C1B-C2B	2.80	1.49	1.43
14	a3	509	CLA	C1B-C2B	2.80	1.49	1.43
14	a3	512	CLA	C1B-C2B	2.80	1.49	1.43
14	bA	1103	CLA	C1B-C2B	2.80	1.49	1.43
14	d	502	CLA	C1B-C2B	2.80	1.49	1.43
14	i	511	CLA	C1B-C2B	2.80	1.49	1.43
14	a3	516	CLA	C1B-C2B	2.80	1.49	1.43
14	bB	1223	CLA	C1B-C2B	2.80	1.49	1.43
14	j	505	CLA	C1B-C2B	2.80	1.49	1.43
14	j	516	CLA	C1B-C2B	2.80	1.49	1.43
14	a3	517	CLA	C1B-C2B	2.79	1.49	1.43
14	cA	1125	CLA	C1B-C2B	2.79	1.49	1.43
14	W	502	CLA	C1B-C2B	2.79	1.49	1.43
14	b1	509	CLA	C1B-C2B	2.79	1.49	1.43
14	cB	1218	CLA	C1B-C2B	2.79	1.49	1.43
14	b	510	CLA	C1B-C2B	2.79	1.49	1.43
15	cA	2001	PQN	C11-C3	2.79	1.56	1.51
14	c3	510	CLA	C1B-C2B	2.79	1.49	1.43
14	bJ	1302	CLA	C1B-C2B	2.79	1.49	1.43
14	cA	1103	CLA	C1B-C2B	2.79	1.49	1.43
14	cA	1107	CLA	C1B-C2B	2.79	1.49	1.43
14	V	517	CLA	C1B-C2B	2.79	1.49	1.43
14	b4	512	CLA	C1B-C2B	2.79	1.49	1.43
14	S	516	CLA	C1B-C2B	2.79	1.49	1.43
14	f	505	CLA	C1B-C2B	2.79	1.49	1.43
14	b4	509	CLA	C1B-C2B	2.79	1.49	1.43
14	S	511	CLA	C1B-C2B	2.79	1.49	1.43
14	T	505	CLA	C1B-C2B	2.79	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	p	512	CLA	C1B-C2B	2.79	1.49	1.43
14	cB	1202	CLA	C1B-C2B	2.79	1.49	1.43
14	S	513	CLA	C1B-C2B	2.79	1.49	1.43
14	V	510	CLA	C1B-C2B	2.79	1.49	1.43
14	c	510	CLA	C1B-C2B	2.79	1.49	1.43
20	c1	822	SQD	O47-C7	2.79	1.42	1.34
14	b3	517	CLA	C1B-C2B	2.79	1.49	1.43
14	U	509	CLA	C1B-C2B	2.79	1.49	1.43
14	aK	1103	CLA	C1B-C2B	2.79	1.49	1.43
14	aL	1501	CLA	C1B-C2B	2.79	1.49	1.43
14	c1	516	CLA	C1B-C2B	2.79	1.49	1.43
14	i	503	CLA	C1B-C2B	2.79	1.49	1.43
14	c	516	CLA	C1B-C2B	2.79	1.49	1.43
14	a5	512	CLA	C1B-C2B	2.79	1.49	1.43
14	b4	510	CLA	C1B-C2B	2.79	1.49	1.43
14	c3	519	CLA	C1B-C2B	2.79	1.49	1.43
14	V	504	CLA	C1B-C2B	2.79	1.49	1.43
14	W	512	CLA	C1B-C2B	2.79	1.49	1.43
14	f	502	CLA	C1B-C2B	2.79	1.49	1.43
14	b3	519	CLA	C1B-C2B	2.79	1.49	1.43
14	c2	504	CLA	C1B-C2B	2.79	1.49	1.43
14	b2	502	CLA	C1B-C2B	2.79	1.49	1.43
14	a1	502	CLA	C1B-C2B	2.79	1.49	1.43
14	bA	1118	CLA	C1B-C2B	2.79	1.49	1.43
14	cA	1112	CLA	C1B-C2B	2.79	1.49	1.43
14	g	518	CLA	C1B-C2B	2.79	1.49	1.43
14	bB	1221	CLA	C1B-C2B	2.79	1.49	1.43
14	Z	509	CLA	C1B-C2B	2.79	1.49	1.43
14	h	504	CLA	C1B-C2B	2.79	1.49	1.43
14	h	516	CLA	C1B-C2B	2.79	1.49	1.43
20	bB	1852	SQD	O47-C7	2.79	1.42	1.34
14	bA	1107	CLA	C1B-C2B	2.79	1.49	1.43
14	c3	507	CLA	C1B-C2B	2.79	1.49	1.43
14	Y	502	CLA	C1B-C2B	2.79	1.49	1.43
14	Z	503	CLA	C1B-C2B	2.79	1.49	1.43
14	a4	516	CLA	C1B-C2B	2.78	1.49	1.43
14	bA	1135	CLA	C1B-C2B	2.78	1.49	1.43
14	d	509	CLA	C1B-C2B	2.78	1.49	1.43
14	o	517	CLA	C1B-C2B	2.78	1.49	1.43
14	c	518	CLA	C1B-C2B	2.78	1.49	1.43
14	b4	507	CLA	C1B-C2B	2.78	1.49	1.43
14	b5	516	CLA	C1B-C2B	2.78	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b6	502	CLA	C1B-C2B	2.78	1.49	1.43
14	aA	1135	CLA	C1B-C2B	2.78	1.49	1.43
14	aB	1218	CLA	C1B-C2B	2.78	1.49	1.43
14	g	509	CLA	C1B-C2B	2.78	1.49	1.43
14	bB	1213	CLA	C1B-C2B	2.78	1.49	1.43
14	S	510	CLA	C1B-C2B	2.78	1.49	1.43
14	q	513	CLA	C1B-C2B	2.78	1.49	1.43
14	bB	1218	CLA	C1B-C2B	2.78	1.49	1.43
14	a5	504	CLA	C1B-C2B	2.78	1.49	1.43
14	a5	510	CLA	C1B-C2B	2.78	1.49	1.43
14	b4	511	CLA	C1B-C2B	2.78	1.49	1.43
14	U	511	CLA	C1B-C2B	2.78	1.49	1.43
14	Z	507	CLA	C1B-C2B	2.78	1.49	1.43
14	c5	502	CLA	C1B-C2B	2.78	1.49	1.43
14	a	509	CLA	C1B-C2B	2.78	1.49	1.43
14	d	516	CLA	C1B-C2B	2.78	1.49	1.43
14	g	516	CLA	C1B-C2B	2.78	1.49	1.43
14	i	518	CLA	C1B-C2B	2.78	1.49	1.43
14	T	511	CLA	C1B-C2B	2.78	1.49	1.43
14	i	502	CLA	C1B-C2B	2.78	1.49	1.43
14	k	502	CLA	C1B-C2B	2.78	1.49	1.43
14	a1	517	CLA	C1B-C2B	2.78	1.49	1.43
14	a5	519	CLA	C1B-C2B	2.78	1.49	1.43
14	b1	517	CLA	C1B-C2B	2.78	1.49	1.43
14	l	504	CLA	C1B-C2B	2.78	1.49	1.43
14	b1	503	CLA	C1B-C2B	2.78	1.49	1.43
14	b1	507	CLA	C1B-C2B	2.78	1.49	1.43
14	c5	516	CLA	C1B-C2B	2.78	1.49	1.43
14	c	502	CLA	C1B-C2B	2.78	1.49	1.43
14	c	511	CLA	C1B-C2B	2.78	1.49	1.43
14	m	502	CLA	C1B-C2B	2.78	1.49	1.43
14	bA	1122	CLA	C1B-C2B	2.78	1.49	1.43
14	b5	513	CLA	C1B-C2B	2.78	1.49	1.43
14	k	511	CLA	C1B-C2B	2.78	1.49	1.43
14	e	501	CLA	C1B-C2B	2.78	1.49	1.43
14	h	509	CLA	C1B-C2B	2.78	1.49	1.43
14	k	505	CLA	C1B-C2B	2.78	1.49	1.43
14	a1	503	CLA	C1B-C2B	2.78	1.49	1.43
14	bA	1104	CLA	C1B-C2B	2.78	1.49	1.43
14	bB	1208	CLA	C1B-C2B	2.78	1.49	1.43
14	aA	1118	CLA	C1B-C2B	2.78	1.49	1.43
14	a1	509	CLA	C1B-C2B	2.78	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	c3	516	CLA	C1B-C2B	2.78	1.49	1.43
14	a	519	CLA	C1B-C2B	2.78	1.49	1.43
14	b	519	CLA	C1B-C2B	2.78	1.49	1.43
14	T	506	CLA	C1B-C2B	2.78	1.49	1.43
14	e	502	CLA	C1B-C2B	2.78	1.49	1.43
14	aB	1213	CLA	C1B-C2B	2.78	1.49	1.43
14	b3	516	CLA	C1B-C2B	2.78	1.49	1.43
14	b6	505	CLA	C1B-C2B	2.78	1.49	1.43
14	o	519	CLA	C1B-C2B	2.78	1.49	1.43
14	b3	512	CLA	C1B-C2B	2.78	1.49	1.43
14	c1	502	CLA	C1B-C2B	2.78	1.49	1.43
14	a3	502	CLA	C1B-C2B	2.78	1.49	1.43
14	bB	1203	CLA	C1B-C2B	2.78	1.49	1.43
14	c	507	CLA	C1B-C2B	2.78	1.49	1.43
14	o	504	CLA	C1B-C2B	2.78	1.49	1.43
14	a4	518	CLA	C1B-C2B	2.78	1.49	1.43
14	a6	501	CLA	C1B-C2B	2.78	1.49	1.43
14	cB	1204	CLA	C1B-C2B	2.78	1.49	1.43
14	c4	503	CLA	C1B-C2B	2.78	1.49	1.43
14	d	513	CLA	C1B-C2B	2.78	1.49	1.43
14	b6	507	CLA	C1B-C2B	2.77	1.49	1.43
14	g	510	CLA	C1B-C2B	2.77	1.49	1.43
14	bK	1103	CLA	C1B-C2B	2.77	1.49	1.43
14	c4	516	CLA	C1B-C2B	2.77	1.49	1.43
14	c6	517	CLA	C1B-C2B	2.77	1.49	1.43
14	Y	501	CLA	C1B-C2B	2.77	1.49	1.43
14	a3	507	CLA	C1B-C2B	2.77	1.49	1.43
14	b6	513	CLA	C1B-C2B	2.77	1.49	1.43
14	cK	1103	CLA	C1B-C2B	2.77	1.49	1.43
14	c3	511	CLA	C1B-C2B	2.77	1.49	1.43
14	c4	518	CLA	C1B-C2B	2.77	1.49	1.43
14	e	510	CLA	C1B-C2B	2.77	1.49	1.43
14	j	512	CLA	C1B-C2B	2.77	1.49	1.43
14	b1	511	CLA	C1B-C2B	2.77	1.49	1.43
14	c2	519	CLA	C1B-C2B	2.77	1.49	1.43
14	e	507	CLA	C1B-C2B	2.77	1.49	1.43
14	l	513	CLA	C1B-C2B	2.77	1.49	1.43
14	p	502	CLA	C1B-C2B	2.77	1.49	1.43
14	p	513	CLA	C1B-C2B	2.77	1.49	1.43
14	a6	503	CLA	C1B-C2B	2.77	1.49	1.43
14	b5	509	CLA	C1B-C2B	2.77	1.49	1.43
14	c5	509	CLA	C1B-C2B	2.77	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	X	509	CLA	C1B-C2B	2.77	1.49	1.43
14	p	505	CLA	C1B-C2B	2.77	1.49	1.43
14	S	509	CLA	C1B-C2B	2.77	1.49	1.43
14	n	518	CLA	C1B-C2B	2.77	1.49	1.43
14	a4	507	CLA	C1B-C2B	2.77	1.49	1.43
14	a6	511	CLA	C1B-C2B	2.77	1.49	1.43
14	b1	504	CLA	C1B-C2B	2.77	1.49	1.43
14	a	516	CLA	C1B-C2B	2.77	1.49	1.43
14	b2	509	CLA	C1B-C2B	2.77	1.49	1.43
14	c5	512	CLA	C1B-C2B	2.77	1.49	1.43
14	T	510	CLA	C1B-C2B	2.77	1.49	1.43
14	W	517	CLA	C1B-C2B	2.77	1.49	1.43
14	h	503	CLA	C1B-C2B	2.77	1.49	1.43
14	k	504	CLA	C1B-C2B	2.77	1.49	1.43
14	bB	1204	CLA	C1B-C2B	2.77	1.49	1.43
14	c	519	CLA	C1B-C2B	2.77	1.49	1.43
14	l	503	CLA	C1B-C2B	2.77	1.49	1.43
14	a2	518	CLA	C1B-C2B	2.77	1.49	1.43
14	X	519	CLA	C1B-C2B	2.77	1.49	1.43
14	b	518	CLA	C1B-C2B	2.77	1.49	1.43
14	b2	504	CLA	C1B-C2B	2.77	1.49	1.43
14	b4	502	CLA	C1B-C2B	2.77	1.49	1.43
14	b6	517	CLA	C1B-C2B	2.77	1.49	1.43
14	T	501	CLA	C1B-C2B	2.77	1.49	1.43
14	i	501	CLA	C1B-C2B	2.77	1.49	1.43
14	o	507	CLA	C1B-C2B	2.77	1.49	1.43
14	aA	1120	CLA	C1B-C2B	2.77	1.49	1.43
14	bL	1501	CLA	C1B-C2B	2.77	1.49	1.43
14	k	503	CLA	C1B-C2B	2.77	1.49	1.43
14	aB	1217	CLA	C1B-C2B	2.77	1.49	1.43
14	b5	517	CLA	C1B-C2B	2.77	1.49	1.43
14	i	517	CLA	C1B-C2B	2.77	1.49	1.43
14	o	503	CLA	C1B-C2B	2.77	1.49	1.43
14	p	506	CLA	C1B-C2B	2.77	1.49	1.43
14	a5	518	CLA	C1B-C2B	2.77	1.49	1.43
14	c2	509	CLA	C1B-C2B	2.77	1.49	1.43
14	j	506	CLA	C1B-C2B	2.77	1.49	1.43
14	l	510	CLA	C1B-C2B	2.77	1.49	1.43
14	p	519	CLA	C1B-C2B	2.77	1.49	1.43
14	b3	502	CLA	C1B-C2B	2.77	1.49	1.43
14	c2	503	CLA	C1B-C2B	2.77	1.49	1.43
14	c6	510	CLA	C1B-C2B	2.77	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	W	510	CLA	C1B-C2B	2.77	1.49	1.43
14	g	503	CLA	C1B-C2B	2.77	1.49	1.43
14	aB	1202	CLA	C1B-C2B	2.77	1.49	1.43
14	a2	507	CLA	C1B-C2B	2.77	1.49	1.43
14	b5	510	CLA	C1B-C2B	2.77	1.49	1.43
14	b5	518	CLA	C1B-C2B	2.77	1.49	1.43
14	b6	503	CLA	C1B-C2B	2.77	1.49	1.43
14	c3	503	CLA	C1B-C2B	2.77	1.49	1.43
14	c3	505	CLA	C1B-C2B	2.77	1.49	1.43
14	c5	517	CLA	C1B-C2B	2.77	1.49	1.43
14	c6	513	CLA	C1B-C2B	2.77	1.49	1.43
14	q	505	CLA	C1B-C2B	2.77	1.49	1.43
14	i	513	CLA	C1B-C2B	2.77	1.49	1.43
14	f	509	CLA	C1B-C2B	2.77	1.49	1.43
14	g	519	CLA	C1B-C2B	2.77	1.49	1.43
14	U	513	CLA	C1B-C2B	2.77	1.49	1.43
14	q	519	CLA	C1B-C2B	2.77	1.49	1.43
14	a6	510	CLA	C1B-C2B	2.77	1.49	1.43
14	cA	1011	CLA	C1B-C2B	2.77	1.49	1.43
14	Y	504	CLA	C1B-C2B	2.77	1.49	1.43
14	b5	512	CLA	C1B-C2B	2.77	1.49	1.43
14	c5	513	CLA	C1B-C2B	2.77	1.49	1.43
14	aA	1122	CLA	C1B-C2B	2.76	1.49	1.43
14	bA	1134	CLA	C1B-C2B	2.76	1.49	1.43
14	b4	519	CLA	C1B-C2B	2.76	1.49	1.43
14	c3	504	CLA	C1B-C2B	2.76	1.49	1.43
14	V	505	CLA	C1B-C2B	2.76	1.49	1.43
14	c1	509	CLA	C1B-C2B	2.76	1.49	1.43
14	X	505	CLA	C1B-C2B	2.76	1.49	1.43
14	Z	510	CLA	C1B-C2B	2.76	1.49	1.43
14	h	518	CLA	C1B-C2B	2.76	1.49	1.43
14	b2	503	CLA	C1B-C2B	2.76	1.49	1.43
14	b6	511	CLA	C1B-C2B	2.76	1.49	1.43
14	b	502	CLA	C1B-C2B	2.76	1.49	1.43
14	cB	1213	CLA	C1B-C2B	2.76	1.49	1.43
14	Y	516	CLA	C1B-C2B	2.76	1.49	1.43
14	c	504	CLA	C1B-C2B	2.76	1.49	1.43
14	c6	507	CLA	C1B-C2B	2.76	1.49	1.43
14	e	518	CLA	C1B-C2B	2.76	1.49	1.43
14	b3	503	CLA	C1B-C2B	2.76	1.49	1.43
14	cB	1210	CLA	C1B-C2B	2.76	1.49	1.43
14	c4	512	CLA	C1B-C2B	2.76	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	V	507	CLA	C1B-C2B	2.76	1.49	1.43
14	o	513	CLA	C1B-C2B	2.76	1.49	1.43
14	a2	512	CLA	C1B-C2B	2.76	1.49	1.43
14	bK	1401	CLA	C1B-C2B	2.76	1.49	1.43
14	c1	505	CLA	C1B-C2B	2.76	1.49	1.43
14	X	517	CLA	C1B-C2B	2.76	1.49	1.43
14	e	503	CLA	C1B-C2B	2.76	1.49	1.43
14	bB	1202	CLA	C1B-C2B	2.76	1.49	1.43
14	b6	501	CLA	C1B-C2B	2.76	1.49	1.43
14	c1	519	CLA	C1B-C2B	2.76	1.49	1.43
14	Z	513	CLA	C1B-C2B	2.76	1.49	1.43
14	f	511	CLA	C1B-C2B	2.76	1.49	1.43
14	bA	1011	CLA	C1B-C2B	2.76	1.49	1.43
14	b2	501	CLA	C1B-C2B	2.76	1.49	1.43
14	a	513	CLA	C1B-C2B	2.76	1.49	1.43
14	a3	510	CLA	C1B-C2B	2.76	1.49	1.43
14	W	516	CLA	C1B-C2B	2.76	1.49	1.43
14	j	513	CLA	C1B-C2B	2.76	1.49	1.43
14	a6	516	CLA	C1B-C2B	2.76	1.49	1.43
14	b3	501	CLA	C1B-C2B	2.76	1.49	1.43
14	b	503	CLA	C1B-C2B	2.76	1.49	1.43
14	c	501	CLA	C1B-C2B	2.76	1.49	1.43
14	d	501	CLA	C1B-C2B	2.76	1.49	1.43
14	n	519	CLA	C1B-C2B	2.76	1.49	1.43
14	aA	1111	CLA	C1B-C2B	2.76	1.49	1.43
14	aB	1208	CLA	C1B-C2B	2.76	1.49	1.43
14	b4	517	CLA	C1B-C2B	2.76	1.49	1.43
14	cB	1203	CLA	C1B-C2B	2.76	1.49	1.43
14	j	507	CLA	C1B-C2B	2.76	1.49	1.43
14	m	505	CLA	C1B-C2B	2.76	1.49	1.43
14	aB	1221	CLA	C1B-C2B	2.76	1.49	1.43
14	c2	518	CLA	C1B-C2B	2.76	1.49	1.43
14	c5	519	CLA	C1B-C2B	2.76	1.49	1.43
14	W	507	CLA	C1B-C2B	2.76	1.49	1.43
14	Z	518	CLA	C1B-C2B	2.76	1.49	1.43
14	b	512	CLA	C1B-C2B	2.76	1.49	1.43
14	j	504	CLA	C1B-C2B	2.76	1.49	1.43
14	S	517	CLA	C1B-C2B	2.76	1.49	1.43
14	b	504	CLA	C1B-C2B	2.76	1.49	1.43
14	i	505	CLA	C1B-C2B	2.76	1.49	1.43
14	a4	512	CLA	C1B-C2B	2.76	1.49	1.43
14	b4	518	CLA	C1B-C2B	2.76	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	d	510	CLA	C1B-C2B	2.76	1.49	1.43
14	cB	1208	CLA	C1B-C2B	2.76	1.49	1.43
14	X	507	CLA	C1B-C2B	2.76	1.49	1.43
14	j	519	CLA	C1B-C2B	2.76	1.49	1.43
14	m	507	CLA	C1B-C2B	2.76	1.49	1.43
14	bA	1111	CLA	C1B-C2B	2.76	1.49	1.43
14	c4	510	CLA	C1B-C2B	2.76	1.49	1.43
14	c5	511	CLA	C1B-C2B	2.76	1.49	1.43
14	U	502	CLA	C1B-C2B	2.76	1.49	1.43
14	bA	1115	CLA	C1B-C2B	2.76	1.49	1.43
14	c1	512	CLA	C1B-C2B	2.76	1.49	1.43
14	c2	511	CLA	C1B-C2B	2.76	1.49	1.43
14	c5	504	CLA	C1B-C2B	2.76	1.49	1.43
14	X	516	CLA	C1B-C2B	2.76	1.49	1.43
14	b	516	CLA	C1B-C2B	2.76	1.49	1.43
14	c	503	CLA	C1B-C2B	2.76	1.49	1.43
14	d	518	CLA	C1B-C2B	2.76	1.49	1.43
14	e	517	CLA	C1B-C2B	2.76	1.49	1.43
14	o	518	CLA	C1B-C2B	2.76	1.49	1.43
14	a3	504	CLA	C1B-C2B	2.76	1.49	1.43
14	a5	511	CLA	C1B-C2B	2.76	1.49	1.43
14	bB	1239	CLA	C1B-C2B	2.76	1.49	1.43
14	a	505	CLA	C1B-C2B	2.76	1.49	1.43
14	a4	513	CLA	C1B-C2B	2.76	1.49	1.43
14	bA	1123	CLA	C1B-C2B	2.76	1.49	1.43
14	cA	1118	CLA	C1B-C2B	2.76	1.49	1.43
14	c6	504	CLA	C1B-C2B	2.76	1.49	1.43
14	X	510	CLA	C1B-C2B	2.76	1.49	1.43
14	d	503	CLA	C1B-C2B	2.76	1.49	1.43
14	a1	519	CLA	C1B-C2B	2.76	1.49	1.43
14	n	509	CLA	C1B-C2B	2.76	1.49	1.43
14	a1	512	CLA	C1B-C2B	2.76	1.49	1.43
14	h	517	CLA	C1B-C2B	2.76	1.49	1.43
14	c4	507	CLA	C1B-C2B	2.75	1.49	1.43
14	Y	517	CLA	C1B-C2B	2.75	1.49	1.43
14	k	510	CLA	C1B-C2B	2.75	1.49	1.43
14	a3	501	CLA	C1B-C2B	2.75	1.49	1.43
14	a4	502	CLA	C1B-C2B	2.75	1.49	1.43
14	h	513	CLA	C1B-C2B	2.75	1.49	1.43
14	n	513	CLA	C1B-C2B	2.75	1.49	1.43
14	aA	1134	CLA	C1B-C2B	2.75	1.49	1.43
14	a3	503	CLA	C1B-C2B	2.75	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b4	503	CLA	C1B-C2B	2.75	1.49	1.43
14	c1	501	CLA	C1B-C2B	2.75	1.49	1.43
14	T	513	CLA	C1B-C2B	2.75	1.49	1.43
14	m	511	CLA	C1B-C2B	2.75	1.49	1.43
15	cB	2002	PQN	C11-C3	2.75	1.56	1.51
14	cA	1123	CLA	C1B-C2B	2.75	1.49	1.43
14	cA	1237	CLA	C1B-C2B	2.75	1.49	1.43
14	f	518	CLA	C1B-C2B	2.75	1.49	1.43
14	a1	504	CLA	C1B-C2B	2.75	1.49	1.43
14	b1	501	CLA	C1B-C2B	2.75	1.49	1.43
14	c1	517	CLA	C1B-C2B	2.75	1.49	1.43
14	W	518	CLA	C1B-C2B	2.75	1.49	1.43
14	a	510	CLA	C1B-C2B	2.75	1.49	1.43
14	b3	510	CLA	C1B-C2B	2.75	1.49	1.43
14	a	517	CLA	C1B-C2B	2.75	1.49	1.43
14	g	513	CLA	C1B-C2B	2.75	1.49	1.43
14	o	501	CLA	C1B-C2B	2.75	1.49	1.43
14	a3	511	CLA	C1B-C2B	2.75	1.49	1.43
14	a4	503	CLA	C1B-C2B	2.75	1.49	1.43
14	bJ	1303	CLA	C1B-C2B	2.75	1.49	1.43
14	b1	519	CLA	C1B-C2B	2.75	1.49	1.43
14	b3	504	CLA	C1B-C2B	2.75	1.49	1.43
14	i	509	CLA	C1B-C2B	2.75	1.49	1.43
14	aJ	1303	CLA	C1B-C2B	2.75	1.49	1.43
14	a4	501	CLA	C1B-C2B	2.75	1.49	1.43
14	b1	512	CLA	C1B-C2B	2.75	1.49	1.43
14	b3	518	CLA	C1B-C2B	2.75	1.49	1.43
14	cB	1221	CLA	C1B-C2B	2.75	1.49	1.43
14	W	503	CLA	C1B-C2B	2.75	1.49	1.43
14	W	519	CLA	C1B-C2B	2.75	1.49	1.43
14	d	512	CLA	C1B-C2B	2.75	1.49	1.43
14	p	508	CLA	C1B-C2B	2.75	1.49	1.43
14	b2	518	CLA	C1B-C2B	2.75	1.49	1.43
14	cA	1131	CLA	C1B-C2B	2.75	1.49	1.43
14	c3	512	CLA	C1B-C2B	2.75	1.49	1.43
14	U	517	CLA	C1B-C2B	2.75	1.49	1.43
14	a5	517	CLA	C1B-C2B	2.75	1.49	1.43
14	b5	503	CLA	C1B-C2B	2.75	1.49	1.43
14	cA	1115	CLA	C1B-C2B	2.75	1.49	1.43
14	cJ	1303	CLA	C1B-C2B	2.75	1.49	1.43
14	h	505	CLA	C1B-C2B	2.75	1.49	1.43
14	n	517	CLA	C1B-C2B	2.75	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	T	503	CLA	C1B-C2B	2.75	1.49	1.43
14	aA	1123	CLA	C1B-C2B	2.75	1.49	1.43
14	aB	1212	CLA	C1B-C2B	2.75	1.49	1.43
14	a6	505	CLA	C1B-C2B	2.75	1.49	1.43
14	cA	1121	CLA	C1B-C2B	2.75	1.49	1.43
14	c1	510	CLA	C1B-C2B	2.75	1.49	1.43
14	a4	517	CLA	C1B-C2B	2.75	1.49	1.43
14	b5	519	CLA	C1B-C2B	2.75	1.49	1.43
14	f	519	CLA	C1B-C2B	2.75	1.49	1.43
14	h	511	CLA	C1B-C2B	2.75	1.49	1.43
14	l	519	CLA	C1B-C2B	2.75	1.49	1.43
14	a	504	CLA	C1B-C2B	2.75	1.49	1.43
14	b	501	CLA	C1B-C2B	2.75	1.49	1.43
15	bA	2001	PQN	C11-C3	2.75	1.56	1.51
14	g	517	CLA	C1B-C2B	2.75	1.49	1.43
14	k	501	CLA	C1B-C2B	2.75	1.49	1.43
14	m	517	CLA	C1B-C2B	2.75	1.49	1.43
14	p	501	CLA	C1B-C2B	2.75	1.49	1.43
14	aA	1103	CLA	C1B-C2B	2.75	1.49	1.43
14	Y	511	CLA	C1B-C2B	2.75	1.49	1.43
14	f	501	CLA	C1B-C2B	2.75	1.49	1.43
14	g	511	CLA	C1B-C2B	2.75	1.49	1.43
14	o	509	CLA	C1B-C2B	2.75	1.49	1.43
14	a1	511	CLA	C1B-C2B	2.75	1.49	1.43
14	b4	513	CLA	C1B-C2B	2.75	1.49	1.43
14	c3	502	CLA	C1B-C2B	2.75	1.49	1.43
14	U	504	CLA	C1B-C2B	2.75	1.49	1.43
14	bB	1235	CLA	C1B-C2B	2.75	1.49	1.43
14	cA	1119	CLA	C1B-C2B	2.75	1.49	1.43
14	c5	507	CLA	C1B-C2B	2.75	1.49	1.43
14	d	511	CLA	C1B-C2B	2.75	1.49	1.43
14	l	507	CLA	C1B-C2B	2.75	1.49	1.43
14	n	505	CLA	C1B-C2B	2.75	1.49	1.43
14	cL	1501	CLA	C1B-C2B	2.75	1.49	1.43
14	W	511	CLA	C1B-C2B	2.75	1.49	1.43
14	o	510	CLA	C1B-C2B	2.75	1.49	1.43
14	a2	502	CLA	C1B-C2B	2.75	1.49	1.43
14	cB	1227	CLA	C1B-C2B	2.75	1.49	1.43
14	c3	513	CLA	C1B-C2B	2.75	1.49	1.43
14	X	503	CLA	C1B-C2B	2.75	1.49	1.43
14	n	503	CLA	C1B-C2B	2.75	1.49	1.43
14	q	504	CLA	C1B-C2B	2.75	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	q	512	CLA	C1B-C2B	2.75	1.49	1.43
14	a4	505	CLA	C1B-C2B	2.74	1.49	1.43
14	S	519	CLA	C1B-C2B	2.74	1.49	1.43
14	a2	516	CLA	C1B-C2B	2.74	1.49	1.43
14	bA	1121	CLA	C1B-C2B	2.74	1.49	1.43
14	c6	511	CLA	C1B-C2B	2.74	1.49	1.43
14	p	510	CLA	C1B-C2B	2.74	1.49	1.43
14	aB	1204	CLA	C1B-C2B	2.74	1.49	1.43
14	o	511	CLA	C1B-C2B	2.74	1.49	1.43
14	Y	507	CLA	C1B-C2B	2.74	1.49	1.43
14	Z	519	CLA	C1B-C2B	2.74	1.49	1.43
14	a2	511	CLA	C1B-C2B	2.74	1.49	1.43
14	c4	519	CLA	C1B-C2B	2.74	1.49	1.43
14	Y	505	CLA	C1B-C2B	2.74	1.49	1.43
14	Z	517	CLA	C1B-C2B	2.74	1.49	1.43
14	aB	1228	CLA	C1B-C2B	2.74	1.49	1.43
14	b2	507	CLA	C1B-C2B	2.74	1.49	1.43
14	Z	505	CLA	C1B-C2B	2.74	1.49	1.43
14	d	506	CLA	C1B-C2B	2.74	1.49	1.43
14	g	504	CLA	C1B-C2B	2.74	1.49	1.43
14	k	506	CLA	C1B-C2B	2.74	1.49	1.43
14	n	511	CLA	C1B-C2B	2.74	1.49	1.43
14	aA	1121	CLA	C1B-C2B	2.74	1.49	1.43
14	h	510	CLA	C1B-C2B	2.74	1.49	1.43
14	n	510	CLA	C1B-C2B	2.74	1.49	1.43
14	b6	518	CLA	C1B-C2B	2.74	1.49	1.43
14	g	512	CLA	C1B-C2B	2.74	1.49	1.43
14	aA	1131	CLA	C1B-C2B	2.74	1.49	1.43
14	a4	504	CLA	C1B-C2B	2.74	1.49	1.43
14	bB	1210	CLA	C1B-C2B	2.74	1.49	1.43
14	bB	1220	CLA	C1B-C2B	2.74	1.49	1.43
14	cB	1217	CLA	C1B-C2B	2.74	1.49	1.43
14	q	501	CLA	C1B-C2B	2.74	1.49	1.43
14	W	509	CLA	C1B-C2B	2.74	1.49	1.43
14	Y	503	CLA	C1B-C2B	2.74	1.49	1.43
14	Y	510	CLA	C1B-C2B	2.74	1.49	1.43
14	aA	1237	CLA	C1B-C2B	2.74	1.49	1.43
14	a2	517	CLA	C1B-C2B	2.74	1.49	1.43
14	bA	1101	CLA	C1B-C2B	2.74	1.49	1.43
14	cA	1108	CLA	C1B-C2B	2.74	1.49	1.43
14	cA	1136	CLA	C1B-C2B	2.74	1.49	1.43
14	cA	1140	CLA	C1B-C2B	2.74	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	c5	510	CLA	C1B-C2B	2.74	1.49	1.43
14	c6	512	CLA	C1B-C2B	2.74	1.49	1.43
14	S	518	CLA	C1B-C2B	2.74	1.49	1.43
14	Y	506	CLA	C1B-C2B	2.74	1.49	1.43
14	j	518	CLA	C1B-C2B	2.74	1.49	1.43
14	b4	506	CLA	C1B-C2B	2.74	1.49	1.43
14	c5	503	CLA	C1B-C2B	2.74	1.49	1.43
14	q	507	CLA	C1B-C2B	2.74	1.49	1.43
14	Z	512	CLA	C1B-C2B	2.74	1.49	1.43
14	q	510	CLA	C1B-C2B	2.74	1.49	1.43
14	bA	1106	CLA	C1B-C2B	2.74	1.49	1.43
14	b2	517	CLA	C1B-C2B	2.74	1.49	1.43
14	a	503	CLA	C1B-C2B	2.74	1.49	1.43
14	i	507	CLA	C1B-C2B	2.74	1.49	1.43
14	c3	518	CLA	C1B-C2B	2.74	1.49	1.43
14	c4	504	CLA	C1B-C2B	2.74	1.49	1.43
14	l	518	CLA	C1B-C2B	2.74	1.49	1.43
14	m	504	CLA	C1B-C2B	2.74	1.49	1.43
14	aL	1503	CLA	C1B-C2B	2.74	1.49	1.43
14	a4	510	CLA	C1B-C2B	2.74	1.49	1.43
14	p	503	CLA	C1B-C2B	2.74	1.49	1.43
14	aB	1239	CLA	C1B-C2B	2.74	1.49	1.43
14	b4	516	CLA	C1B-C2B	2.74	1.49	1.43
14	c6	503	CLA	C1B-C2B	2.74	1.49	1.43
14	T	518	CLA	C1B-C2B	2.74	1.49	1.43
14	V	512	CLA	C1B-C2B	2.74	1.49	1.43
14	e	519	CLA	C1B-C2B	2.74	1.49	1.43
14	i	510	CLA	C1B-C2B	2.74	1.49	1.43
14	k	513	CLA	C1B-C2B	2.74	1.49	1.43
14	a1	518	CLA	C1B-C2B	2.74	1.49	1.43
14	b1	518	CLA	C1B-C2B	2.74	1.49	1.43
14	c1	518	CLA	C1B-C2B	2.74	1.49	1.43
14	U	503	CLA	C1B-C2B	2.74	1.49	1.43
14	d	517	CLA	C1B-C2B	2.74	1.49	1.43
14	l	512	CLA	C1B-C2B	2.74	1.49	1.43
14	aB	1223	CLA	C1B-C2B	2.74	1.49	1.43
14	bB	1212	CLA	C1B-C2B	2.74	1.49	1.43
14	b3	511	CLA	C1B-C2B	2.74	1.49	1.43
14	cA	1122	CLA	C1B-C2B	2.74	1.49	1.43
14	T	517	CLA	C1B-C2B	2.74	1.49	1.43
14	a	507	CLA	C1B-C2B	2.74	1.49	1.43
14	k	518	CLA	C1B-C2B	2.74	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	p	507	CLA	C1B-C2B	2.74	1.49	1.43
14	p	517	CLA	C1B-C2B	2.74	1.49	1.43
14	a6	517	CLA	C1B-C2B	2.74	1.49	1.43
14	bA	1114	CLA	C1B-C2B	2.74	1.49	1.43
14	cA	1106	CLA	C1B-C2B	2.74	1.49	1.43
14	cA	1109	CLA	C1B-C2B	2.74	1.49	1.43
14	cA	1111	CLA	C1B-C2B	2.74	1.49	1.43
14	c4	513	CLA	C1B-C2B	2.74	1.49	1.43
14	Z	511	CLA	C1B-C2B	2.74	1.49	1.43
14	b	517	CLA	C1B-C2B	2.74	1.49	1.43
14	a1	505	CLA	C1B-C2B	2.74	1.49	1.43
14	a2	519	CLA	C1B-C2B	2.74	1.49	1.43
14	b5	501	CLA	C1B-C2B	2.74	1.49	1.43
14	cB	1234	CLA	C1B-C2B	2.74	1.49	1.43
14	cB	1235	CLA	C1B-C2B	2.74	1.49	1.43
14	l	501	CLA	C1B-C2B	2.74	1.49	1.43
14	bA	1131	CLA	C1B-C2B	2.74	1.49	1.43
14	c4	511	CLA	C1B-C2B	2.74	1.49	1.43
14	V	513	CLA	C1B-C2B	2.74	1.49	1.43
14	k	519	CLA	C1B-C2B	2.74	1.49	1.43
14	l	516	CLA	C1B-C2B	2.74	1.49	1.43
14	q	511	CLA	C1B-C2B	2.74	1.49	1.43
14	aA	1112	CLA	C1B-C2B	2.73	1.49	1.43
14	aB	1220	CLA	C1B-C2B	2.73	1.49	1.43
14	b6	510	CLA	C1B-C2B	2.73	1.49	1.43
14	Z	516	CLA	C1B-C2B	2.73	1.49	1.43
14	a	501	CLA	C1B-C2B	2.73	1.49	1.43
14	g	507	CLA	C1B-C2B	2.73	1.49	1.43
14	m	516	CLA	C1B-C2B	2.73	1.49	1.43
14	aA	1136	CLA	C1B-C2B	2.73	1.49	1.43
14	W	504	CLA	C1B-C2B	2.73	1.49	1.43
14	a2	504	CLA	C1B-C2B	2.73	1.49	1.43
14	bB	1231	CLA	C1B-C2B	2.73	1.49	1.43
14	c6	518	CLA	C1B-C2B	2.73	1.49	1.43
14	i	504	CLA	C1B-C2B	2.73	1.49	1.43
14	o	505	CLA	C1B-C2B	2.73	1.49	1.43
14	b3	513	CLA	C1B-C2B	2.73	1.49	1.43
14	a1	507	CLA	C1B-C2B	2.73	1.49	1.43
14	V	503	CLA	C1B-C2B	2.73	1.49	1.43
14	e	505	CLA	C1B-C2B	2.73	1.49	1.43
14	a5	501	CLA	C1B-C2B	2.73	1.49	1.43
14	cB	1214	CLA	C1B-C2B	2.73	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	X	501	CLA	C1B-C2B	2.73	1.49	1.43
14	i	512	CLA	C1B-C2B	2.73	1.49	1.43
14	a2	513	CLA	C1B-C2B	2.73	1.49	1.43
14	a5	513	CLA	C1B-C2B	2.73	1.49	1.43
14	c1	507	CLA	C1B-C2B	2.73	1.49	1.43
14	U	518	CLA	C1B-C2B	2.73	1.49	1.43
14	a	506	CLA	C1B-C2B	2.73	1.49	1.43
14	k	507	CLA	C1B-C2B	2.73	1.49	1.43
14	bB	1217	CLA	C1B-C2B	2.73	1.49	1.43
14	bB	1233	CLA	C1B-C2B	2.73	1.49	1.43
14	b2	519	CLA	C1B-C2B	2.73	1.49	1.43
14	c6	505	CLA	C1B-C2B	2.73	1.49	1.43
14	d	505	CLA	C1B-C2B	2.73	1.49	1.43
14	f	507	CLA	C1B-C2B	2.73	1.49	1.43
14	g	505	CLA	C1B-C2B	2.73	1.49	1.43
14	aB	1206	CLA	C1B-C2B	2.73	1.49	1.43
14	aB	1233	CLA	C1B-C2B	2.73	1.49	1.43
14	a4	511	CLA	C1B-C2B	2.73	1.49	1.43
14	b3	507	CLA	C1B-C2B	2.73	1.49	1.43
14	c2	512	CLA	C1B-C2B	2.73	1.49	1.43
14	c5	501	CLA	C1B-C2B	2.73	1.49	1.43
14	bB	1216	CLA	C1B-C2B	2.73	1.49	1.43
14	X	511	CLA	C1B-C2B	2.73	1.49	1.43
14	X	513	CLA	C1B-C2B	2.73	1.49	1.43
14	m	503	CLA	C1B-C2B	2.73	1.49	1.43
14	bA	1127	CLA	C1B-C2B	2.73	1.49	1.43
14	c1	504	CLA	C1B-C2B	2.73	1.49	1.43
14	b	513	CLA	C1B-C2B	2.73	1.49	1.43
14	cB	1225	CLA	C1B-C2B	2.73	1.49	1.43
14	c4	501	CLA	C1B-C2B	2.73	1.49	1.43
14	aA	1106	CLA	C1B-C2B	2.73	1.49	1.43
14	bA	1140	CLA	C1B-C2B	2.73	1.49	1.43
14	bX	1401	CLA	C1B-C2B	2.73	1.49	1.43
14	S	504	CLA	C1B-C2B	2.73	1.49	1.43
14	T	512	CLA	C1B-C2B	2.73	1.49	1.43
14	m	513	CLA	C1B-C2B	2.73	1.49	1.43
14	aA	1125	CLA	C1B-C2B	2.73	1.49	1.43
14	S	503	CLA	C1B-C2B	2.73	1.49	1.43
14	q	503	CLA	C1B-C2B	2.73	1.49	1.43
14	aA	1130	CLA	C1B-C2B	2.73	1.49	1.43
14	aB	1214	CLA	C1B-C2B	2.73	1.49	1.43
14	Z	504	CLA	C1B-C2B	2.73	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	aA	1132	CLA	C1B-C2B	2.73	1.49	1.43
14	cA	1130	CLA	C1B-C2B	2.73	1.49	1.43
14	S	512	CLA	C1B-C2B	2.73	1.49	1.43
14	f	512	CLA	C1B-C2B	2.73	1.49	1.43
14	n	507	CLA	C1B-C2B	2.73	1.49	1.43
14	q	517	CLA	C1B-C2B	2.73	1.49	1.43
14	a1	510	CLA	C1B-C2B	2.73	1.49	1.43
14	cB	1215	CLA	C1B-C2B	2.73	1.49	1.43
14	k	516	CLA	C1B-C2B	2.73	1.49	1.43
14	bB	1225	CLA	C1B-C2B	2.73	1.49	1.43
14	e	504	CLA	C1B-C2B	2.73	1.49	1.43
14	aA	1115	CLA	C1B-C2B	2.73	1.49	1.43
14	a6	504	CLA	C1B-C2B	2.73	1.49	1.43
14	b3	506	CLA	C1B-C2B	2.73	1.49	1.43
14	i	519	CLA	C1B-C2B	2.73	1.49	1.43
14	j	511	CLA	C1B-C2B	2.73	1.49	1.43
14	bA	1132	CLA	C1B-C2B	2.73	1.49	1.43
14	b5	511	CLA	C1B-C2B	2.73	1.49	1.43
14	cA	1114	CLA	C1B-C2B	2.73	1.49	1.43
14	T	504	CLA	C1B-C2B	2.73	1.49	1.43
14	b	505	CLA	C1B-C2B	2.73	1.49	1.43
14	e	511	CLA	C1B-C2B	2.73	1.49	1.43
15	aA	2001	PQN	C11-C3	2.73	1.56	1.51
14	bA	1108	CLA	C1B-C2B	2.73	1.49	1.43
14	b2	511	CLA	C1B-C2B	2.73	1.49	1.43
14	b2	516	CLA	C1B-C2B	2.73	1.49	1.43
14	b6	512	CLA	C1B-C2B	2.73	1.49	1.43
14	b	506	CLA	C1B-C2B	2.73	1.49	1.43
14	j	517	CLA	C1B-C2B	2.73	1.49	1.43
14	c6	516	CLA	C1B-C2B	2.72	1.49	1.43
14	l	505	CLA	C1B-C2B	2.72	1.49	1.43
14	n	508	CLA	C1B-C2B	2.72	1.49	1.43
14	aA	1108	CLA	C1B-C2B	2.72	1.49	1.43
14	aA	1137	CLA	C1B-C2B	2.72	1.49	1.43
14	aB	1225	CLA	C1B-C2B	2.72	1.49	1.43
14	b2	505	CLA	C1B-C2B	2.72	1.49	1.43
14	cB	1233	CLA	C1B-C2B	2.72	1.49	1.43
14	V	506	CLA	C1B-C2B	2.72	1.49	1.43
14	f	516	CLA	C1B-C2B	2.72	1.49	1.43
14	a5	507	CLA	C1B-C2B	2.72	1.49	1.43
14	cX	1401	CLA	C1B-C2B	2.72	1.49	1.43
14	c2	510	CLA	C1B-C2B	2.72	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	m	512	CLA	C1B-C2B	2.72	1.49	1.43
14	aA	1109	CLA	C1B-C2B	2.72	1.49	1.43
14	cB	1212	CLA	C1B-C2B	2.72	1.49	1.43
14	m	506	CLA	C1B-C2B	2.72	1.49	1.43
14	U	501	CLA	C1B-C2B	2.72	1.49	1.43
14	c	512	CLA	C1B-C2B	2.72	1.49	1.43
14	aA	1126	CLA	C1B-C2B	2.72	1.49	1.43
14	c2	516	CLA	C1B-C2B	2.72	1.49	1.43
14	f	508	CLA	C1B-C2B	2.72	1.49	1.43
14	aX	1401	CLA	C1B-C2B	2.72	1.49	1.43
14	bB	1206	CLA	C1B-C2B	2.72	1.49	1.43
14	b1	516	CLA	C1B-C2B	2.72	1.49	1.43
14	m	501	CLA	C1B-C2B	2.72	1.49	1.43
14	a5	516	CLA	C1B-C2B	2.72	1.49	1.43
14	cB	1220	CLA	C1B-C2B	2.72	1.49	1.43
14	c2	502	CLA	C1B-C2B	2.72	1.49	1.43
14	c6	501	CLA	C1B-C2B	2.72	1.49	1.43
14	a6	507	CLA	C1B-C2B	2.72	1.49	1.43
14	j	501	CLA	C1B-C2B	2.72	1.49	1.43
14	j	503	CLA	C1B-C2B	2.72	1.49	1.43
14	aB	1023	CLA	C1B-C2B	2.72	1.49	1.43
14	aB	1224	CLA	C1B-C2B	2.72	1.49	1.43
14	c4	517	CLA	C1B-C2B	2.72	1.49	1.43
14	aA	1101	CLA	C1B-C2B	2.72	1.49	1.43
14	bA	1125	CLA	C1B-C2B	2.72	1.49	1.43
14	bL	1503	CLA	C1B-C2B	2.72	1.49	1.43
14	W	513	CLA	C1B-C2B	2.72	1.49	1.43
14	bA	1105	CLA	C1B-C2B	2.72	1.49	1.43
14	i	506	CLA	C1B-C2B	2.72	1.49	1.43
14	c1	513	CLA	C1B-C2B	2.72	1.49	1.43
14	c	513	CLA	C1B-C2B	2.72	1.49	1.43
14	cB	1206	CLA	C1B-C2B	2.72	1.49	1.43
14	d	507	CLA	C1B-C2B	2.72	1.49	1.43
14	bB	1234	CLA	C1B-C2B	2.72	1.49	1.43
14	c4	505	CLA	C1B-C2B	2.72	1.49	1.43
14	a	511	CLA	C1B-C2B	2.72	1.49	1.43
14	b6	516	CLA	C1B-C2B	2.72	1.49	1.43
14	b2	510	CLA	C1B-C2B	2.72	1.49	1.43
14	cL	1502	CLA	C1B-C2B	2.72	1.49	1.43
14	aA	1801	CLA	C1B-C2B	2.72	1.49	1.43
14	a6	518	CLA	C1B-C2B	2.72	1.49	1.43
14	cA	1126	CLA	C1B-C2B	2.72	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
15	bB	2002	PQN	C11-C3	2.72	1.56	1.51
14	aB	1234	CLA	C1B-C2B	2.72	1.49	1.43
14	bA	1109	CLA	C1B-C2B	2.72	1.49	1.43
14	b2	506	CLA	C1B-C2B	2.72	1.49	1.43
14	cB	1232	CLA	C1B-C2B	2.72	1.49	1.43
14	aA	1138	CLA	C1B-C2B	2.72	1.49	1.43
14	c2	507	CLA	C1B-C2B	2.72	1.49	1.43
14	T	507	CLA	C1B-C2B	2.72	1.49	1.43
14	j	502	CLA	C1B-C2B	2.72	1.49	1.43
14	q	516	CLA	C1B-C2B	2.72	1.49	1.43
14	a1	501	CLA	C1B-C2B	2.72	1.49	1.43
14	bB	1224	CLA	C1B-C2B	2.71	1.49	1.43
14	f	513	CLA	C1B-C2B	2.71	1.49	1.43
14	a6	513	CLA	C1B-C2B	2.71	1.49	1.43
14	bB	1209	CLA	C1B-C2B	2.71	1.49	1.43
14	f	517	CLA	C1B-C2B	2.71	1.49	1.43
14	n	516	CLA	C1B-C2B	2.71	1.49	1.43
14	bA	1110	CLA	C1B-C2B	2.71	1.49	1.43
14	bA	1126	CLA	C1B-C2B	2.71	1.49	1.43
14	b6	504	CLA	C1B-C2B	2.71	1.49	1.43
14	cA	1105	CLA	C1B-C2B	2.71	1.49	1.43
14	X	504	CLA	C1B-C2B	2.71	1.49	1.43
14	h	519	CLA	C1B-C2B	2.71	1.49	1.43
14	m	510	CLA	C1B-C2B	2.71	1.49	1.43
14	aB	1227	CLA	C1B-C2B	2.71	1.49	1.43
14	b1	513	CLA	C1B-C2B	2.71	1.49	1.43
14	b4	505	CLA	C1B-C2B	2.71	1.49	1.43
14	cB	1223	CLA	C1B-C2B	2.71	1.49	1.43
14	aK	1401	CLA	C1B-C2B	2.71	1.49	1.43
14	a3	505	CLA	C1B-C2B	2.71	1.49	1.43
14	n	506	CLA	C1B-C2B	2.71	1.49	1.43
14	aA	1013	CLA	C1B-C2B	2.71	1.49	1.43
14	cA	1101	CLA	C1B-C2B	2.71	1.49	1.43
14	cK	1401	CLA	C1B-C2B	2.71	1.49	1.43
14	U	516	CLA	C1B-C2B	2.71	1.49	1.43
14	Y	513	CLA	C1B-C2B	2.71	1.49	1.43
14	cB	1222	CLA	C1B-C2B	2.71	1.49	1.43
14	aB	1210	CLA	C1B-C2B	2.71	1.49	1.43
14	W	505	CLA	C1B-C2B	2.71	1.49	1.43
14	bB	1207	CLA	C1B-C2B	2.71	1.49	1.43
14	c3	517	CLA	C1B-C2B	2.71	1.49	1.43
14	h	512	CLA	C1B-C2B	2.71	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	aA	1114	CLA	C1B-C2B	2.71	1.49	1.43
14	X	506	CLA	C1B-C2B	2.71	1.49	1.43
14	a5	503	CLA	C1B-C2B	2.71	1.49	1.43
14	cA	1127	CLA	C1B-C2B	2.71	1.49	1.43
14	h	501	CLA	C1B-C2B	2.71	1.49	1.43
14	cL	1503	CLA	C1B-C2B	2.71	1.49	1.43
14	Y	512	CLA	C1B-C2B	2.71	1.49	1.43
14	c	506	CLA	C1B-C2B	2.71	1.49	1.43
14	b4	501	CLA	C1B-C2B	2.71	1.49	1.43
14	c5	505	CLA	C1B-C2B	2.71	1.49	1.43
14	a6	512	CLA	C1B-C2B	2.71	1.49	1.43
14	aB	1236	CLA	C1B-C2B	2.71	1.49	1.43
14	cA	1104	CLA	C1B-C2B	2.71	1.49	1.43
14	c2	501	CLA	C1B-C2B	2.71	1.49	1.43
14	V	519	CLA	C1B-C2B	2.71	1.49	1.43
14	n	504	CLA	C1B-C2B	2.71	1.49	1.43
14	aB	1201	CLA	C1B-C2B	2.71	1.49	1.43
14	bA	1137	CLA	C1B-C2B	2.71	1.49	1.43
14	bL	1502	CLA	C1B-C2B	2.71	1.49	1.43
14	U	506	CLA	C1B-C2B	2.71	1.49	1.43
14	V	501	CLA	C1B-C2B	2.71	1.49	1.43
14	aB	1238	CLA	C1B-C2B	2.71	1.49	1.43
14	V	508	CLA	C1B-C2B	2.71	1.49	1.43
14	a2	509	CLA	C1B-C2B	2.70	1.49	1.43
14	bB	1214	CLA	C1B-C2B	2.70	1.49	1.43
14	cB	1238	CLA	C1B-C2B	2.70	1.49	1.43
14	n	512	CLA	C1B-C2B	2.70	1.49	1.43
14	aB	1216	CLA	C1B-C2B	2.70	1.49	1.43
14	b3	505	CLA	C1B-C2B	2.70	1.49	1.43
14	cB	1239	CLA	C1B-C2B	2.70	1.49	1.43
14	f	506	CLA	C1B-C2B	2.70	1.49	1.43
15	aB	2002	PQN	C11-C3	2.70	1.56	1.51
14	aB	1207	CLA	C1B-C2B	2.70	1.49	1.43
14	p	518	CLA	C1B-C2B	2.70	1.49	1.43
14	b6	506	CLA	C1B-C2B	2.70	1.49	1.43
14	aA	1140	CLA	C1B-C2B	2.70	1.49	1.43
14	g	506	CLA	C1B-C2B	2.70	1.49	1.43
14	aB	1235	CLA	C1B-C2B	2.70	1.49	1.43
14	b2	513	CLA	C1B-C2B	2.70	1.49	1.43
14	c4	506	CLA	C1B-C2B	2.70	1.49	1.43
14	c5	506	CLA	C1B-C2B	2.70	1.49	1.43
14	S	501	CLA	C1B-C2B	2.70	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	o	506	CLA	C1B-C2B	2.70	1.49	1.43
14	bA	1139	CLA	C1B-C2B	2.70	1.49	1.43
14	cA	1138	CLA	C1B-C2B	2.70	1.49	1.43
14	c2	505	CLA	C1B-C2B	2.70	1.49	1.43
14	a2	501	CLA	C1B-C2B	2.70	1.49	1.43
14	bA	1237	CLA	C1B-C2B	2.70	1.49	1.43
14	a	508	CLA	C1B-C2B	2.70	1.49	1.43
14	g	501	CLA	C1B-C2B	2.70	1.49	1.43
14	bA	1112	CLA	C1B-C2B	2.70	1.49	1.43
14	bA	1138	CLA	C1B-C2B	2.70	1.49	1.43
14	aA	1105	CLA	C1B-C2B	2.70	1.49	1.43
14	aF	1301	CLA	C1B-C2B	2.70	1.49	1.43
14	a5	505	CLA	C1B-C2B	2.70	1.49	1.43
14	a	512	CLA	C1B-C2B	2.70	1.49	1.43
14	aA	1110	CLA	C1B-C2B	2.70	1.49	1.43
14	bA	1136	CLA	C1B-C2B	2.70	1.49	1.43
14	cB	1228	CLA	C1B-C2B	2.70	1.49	1.43
14	b6	519	CLA	C1B-C2B	2.70	1.49	1.43
14	cA	1110	CLA	C1B-C2B	2.70	1.49	1.43
14	W	501	CLA	C1B-C2B	2.70	1.49	1.43
14	f	504	CLA	C1B-C2B	2.70	1.49	1.43
14	h	507	CLA	C1B-C2B	2.70	1.49	1.43
14	e	513	CLA	C1B-C2B	2.70	1.49	1.43
14	n	501	CLA	C1B-C2B	2.70	1.49	1.43
14	q	506	CLA	C1B-C2B	2.70	1.49	1.43
14	a3	513	CLA	C1B-C2B	2.70	1.49	1.43
14	a3	518	CLA	C1B-C2B	2.70	1.49	1.43
14	bA	1120	CLA	C1B-C2B	2.70	1.49	1.43
14	cB	1207	CLA	C1B-C2B	2.70	1.49	1.43
14	c1	506	CLA	C1B-C2B	2.70	1.49	1.43
14	aA	1119	CLA	C1B-C2B	2.69	1.49	1.43
14	a4	506	CLA	C1B-C2B	2.69	1.49	1.43
14	a5	506	CLA	C1B-C2B	2.69	1.49	1.43
14	c2	513	CLA	C1B-C2B	2.69	1.49	1.43
14	bB	1236	CLA	C1B-C2B	2.69	1.49	1.43
14	cA	1134	CLA	C1B-C2B	2.69	1.49	1.43
14	Z	506	CLA	C1B-C2B	2.69	1.49	1.43
14	cA	1801	CLA	C1B-C2B	2.69	1.49	1.43
14	cB	1224	CLA	C1B-C2B	2.69	1.49	1.43
14	bB	1228	CLA	C1B-C2B	2.69	1.49	1.43
14	cJ	1302	CLA	C1B-C2B	2.69	1.49	1.43
14	W	506	CLA	C1B-C2B	2.69	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	c6	506	CLA	C1B-C2B	2.69	1.49	1.43
14	b5	505	CLA	C1B-C2B	2.69	1.49	1.43
14	aB	1231	CLA	C1B-C2B	2.69	1.49	1.43
14	bB	1215	CLA	C1B-C2B	2.69	1.49	1.43
14	b	507	CLA	C1B-C2B	2.69	1.49	1.43
14	cA	1132	CLA	C1B-C2B	2.69	1.49	1.43
14	cB	1216	CLA	C1B-C2B	2.69	1.49	1.43
14	c3	506	CLA	C1B-C2B	2.69	1.49	1.43
14	e	506	CLA	C1B-C2B	2.69	1.49	1.43
14	aB	1209	CLA	C1B-C2B	2.69	1.49	1.43
14	W	508	CLA	C1B-C2B	2.69	1.49	1.43
14	k	508	CLA	C1B-C2B	2.69	1.49	1.43
14	b	508	CLA	C1B-C2B	2.69	1.49	1.43
14	a1	513	CLA	C1B-C2B	2.69	1.49	1.43
14	X	512	CLA	C1B-C2B	2.69	1.49	1.43
14	bA	1130	CLA	C1B-C2B	2.69	1.49	1.43
14	cB	1236	CLA	C1B-C2B	2.69	1.49	1.43
14	p	504	CLA	C1B-C2B	2.69	1.49	1.43
14	bA	1116	CLA	C1B-C2B	2.69	1.49	1.43
14	bA	1801	CLA	C1B-C2B	2.69	1.49	1.43
14	d	508	CLA	C1B-C2B	2.69	1.49	1.43
14	aB	1229	CLA	C3B-C4B	2.69	1.50	1.42
14	h	508	CLA	C1B-C2B	2.68	1.49	1.43
14	Z	501	CLA	C1B-C2B	2.68	1.49	1.43
14	aA	1113	CLA	C1B-C2B	2.68	1.49	1.43
14	b5	506	CLA	C1B-C2B	2.68	1.49	1.43
14	cB	1023	CLA	C1B-C2B	2.68	1.49	1.43
14	cA	1139	CLA	C1B-C2B	2.68	1.49	1.43
14	l	506	CLA	C1B-C2B	2.68	1.49	1.43
14	bB	1023	CLA	C1B-C2B	2.68	1.49	1.43
14	b1	505	CLA	C1B-C2B	2.68	1.49	1.43
14	aB	1211	CLA	C1B-C2B	2.68	1.49	1.43
14	bA	1119	CLA	C1B-C2B	2.68	1.49	1.43
14	cB	1219	CLA	C1B-C2B	2.68	1.49	1.43
14	g	508	CLA	C1B-C2B	2.68	1.49	1.43
14	b6	508	CLA	C1B-C2B	2.68	1.49	1.43
14	aA	1127	CLA	C1B-C2B	2.68	1.49	1.43
14	U	505	CLA	C1B-C2B	2.68	1.49	1.43
14	k	517	CLA	C1B-C2B	2.68	1.49	1.43
14	bA	1013	CLA	C1B-C2B	2.68	1.49	1.43
14	l	508	CLA	C1B-C2B	2.68	1.49	1.43
14	aL	1502	CLA	C1B-C2B	2.68	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	bB	1222	CLA	C1B-C2B	2.67	1.49	1.43
14	cA	1137	CLA	C1B-C2B	2.67	1.49	1.43
14	aB	1215	CLA	C1B-C2B	2.67	1.49	1.43
14	bB	1219	CLA	C1B-C2B	2.67	1.49	1.43
14	S	507	CLA	C1B-C2B	2.67	1.49	1.43
14	c	508	CLA	C1B-C2B	2.67	1.49	1.43
14	m	508	CLA	C1B-C2B	2.67	1.49	1.43
14	cB	1209	CLA	C1B-C2B	2.67	1.49	1.43
14	T	508	CLA	C1B-C2B	2.67	1.49	1.43
14	U	507	CLA	C1B-C2B	2.67	1.49	1.43
14	aA	1139	CLA	C1B-C2B	2.67	1.49	1.43
14	bB	1205	CLA	C1B-C2B	2.67	1.49	1.43
14	cB	1231	CLA	C1B-C2B	2.67	1.49	1.43
14	o	508	CLA	C1B-C2B	2.67	1.49	1.43
14	aA	1116	CLA	C1B-C2B	2.67	1.49	1.43
14	aA	1133	CLA	C1B-C2B	2.67	1.49	1.43
14	Z	508	CLA	C1B-C2B	2.67	1.49	1.43
14	cA	1013	CLA	C1B-C2B	2.67	1.49	1.43
14	c3	501	CLA	C1B-C2B	2.67	1.49	1.43
14	c6	508	CLA	C1B-C2B	2.67	1.49	1.43
14	c2	508	CLA	C1B-C2B	2.67	1.49	1.43
14	a1	506	CLA	C1B-C2B	2.67	1.49	1.43
14	q	508	CLA	C1B-C2B	2.67	1.49	1.43
14	b1	506	CLA	C1B-C2B	2.67	1.49	1.43
14	b5	507	CLA	C1B-C2B	2.66	1.49	1.43
14	c1	508	CLA	C1B-C2B	2.66	1.49	1.43
14	cA	1133	CLA	C1B-C2B	2.66	1.49	1.43
14	e	508	CLA	C1B-C2B	2.66	1.49	1.43
14	bB	1232	CLA	C1B-C2B	2.66	1.49	1.43
14	a2	505	CLA	C1B-C2B	2.66	1.49	1.43
14	bA	1124	CLA	C1B-C2B	2.66	1.49	1.43
14	U	508	CLA	C1B-C2B	2.66	1.49	1.43
14	d	504	CLA	C1B-C2B	2.66	1.49	1.43
14	aB	1219	CLA	C1B-C2B	2.66	1.49	1.43
14	bB	1229	CLA	C3B-C4B	2.66	1.50	1.42
14	cB	1205	CLA	C1B-C2B	2.66	1.49	1.43
14	bA	1133	CLA	C1B-C2B	2.66	1.49	1.43
14	j	508	CLA	C1B-C2B	2.66	1.49	1.43
14	aB	1222	CLA	C1B-C2B	2.65	1.49	1.43
14	bF	1301	CLA	C1B-C2B	2.65	1.49	1.43
14	cB	1211	CLA	C1B-C2B	2.65	1.49	1.43
14	cA	1117	CLA	C1B-C2B	2.65	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	cA	1116	CLA	C1B-C2B	2.65	1.49	1.43
14	aJ	1302	CLA	C1B-C2B	2.65	1.49	1.43
14	a6	506	CLA	C1B-C2B	2.65	1.49	1.43
14	aA	1124	CLA	C1B-C2B	2.65	1.49	1.43
14	bB	1211	CLA	C1B-C2B	2.65	1.49	1.43
14	S	506	CLA	C1B-C2B	2.65	1.49	1.43
14	bA	1129	CLA	C1B-C2B	2.65	1.49	1.43
14	bB	1238	CLA	C1B-C2B	2.65	1.49	1.43
14	i	508	CLA	C1B-C2B	2.65	1.49	1.43
14	T	516	CLA	C1B-C2B	2.65	1.49	1.43
14	S	508	CLA	C1B-C2B	2.65	1.49	1.43
14	b5	508	CLA	C1B-C2B	2.64	1.49	1.43
14	cA	1124	CLA	C1B-C2B	2.64	1.49	1.43
14	bB	1229	CLA	C1B-C2B	2.64	1.49	1.43
14	c	517	CLA	C1B-C2B	2.64	1.49	1.43
14	cA	1129	CLA	C1B-C2B	2.64	1.49	1.43
14	b4	504	CLA	C1B-C2B	2.64	1.49	1.43
14	cA	1113	CLA	C1B-C2B	2.64	1.49	1.43
14	cB	1226	CLA	C1B-C2B	2.64	1.49	1.43
14	cB	1229	CLA	C3B-C4B	2.64	1.50	1.42
14	a4	508	CLA	C1B-C2B	2.64	1.49	1.43
14	bA	1113	CLA	C1B-C2B	2.64	1.49	1.43
14	a2	508	CLA	C1B-C2B	2.63	1.49	1.43
14	b1	508	CLA	C1B-C2B	2.63	1.49	1.43
14	a6	508	CLA	C1B-C2B	2.63	1.49	1.43
14	bA	1117	CLA	C1B-C2B	2.63	1.49	1.43
14	cB	1201	CLA	C1B-C2B	2.63	1.49	1.43
14	aB	1232	CLA	C1B-C2B	2.63	1.49	1.43
14	bB	1226	CLA	C1B-C2B	2.63	1.49	1.43
14	cA	1102	CLA	C1B-C2B	2.63	1.49	1.43
14	a1	508	CLA	C1B-C2B	2.63	1.49	1.43
14	c2	506	CLA	C1B-C2B	2.63	1.49	1.43
14	aB	1229	CLA	C1B-C2B	2.62	1.49	1.43
14	a2	506	CLA	C1B-C2B	2.62	1.49	1.43
14	cA	1022	CLA	C1B-C2B	2.62	1.49	1.43
14	aA	1102	CLA	C1B-C2B	2.62	1.49	1.43
14	aA	1129	CLA	C1B-C2B	2.62	1.49	1.43
14	a5	508	CLA	C1B-C2B	2.62	1.49	1.43
14	h	506	CLA	C1B-C2B	2.62	1.49	1.43
14	aB	1205	CLA	C1B-C2B	2.62	1.49	1.43
14	aB	1012	CLA	C1B-C2B	2.62	1.49	1.43
14	bB	1201	CLA	C1B-C2B	2.62	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	aB	1226	CLA	C1B-C2B	2.62	1.49	1.43
14	c5	508	CLA	C1B-C2B	2.62	1.49	1.43
14	bA	1102	CLA	C1B-C2B	2.62	1.49	1.43
14	aA	1117	CLA	C1B-C2B	2.62	1.49	1.43
14	cB	1012	CLA	C1B-C2B	2.62	1.49	1.43
14	a3	506	CLA	C1B-C2B	2.61	1.49	1.43
14	a3	508	CLA	C1B-C2B	2.61	1.49	1.43
14	c3	508	CLA	C1B-C2B	2.61	1.49	1.43
14	cF	1301	CLA	C1B-C2B	2.61	1.49	1.43
14	c4	508	CLA	C1B-C2B	2.61	1.49	1.43
14	b3	508	CLA	C1B-C2B	2.60	1.49	1.43
14	Y	508	CLA	C1B-C2B	2.60	1.49	1.43
14	bB	1012	CLA	C1B-C2B	2.60	1.49	1.43
14	X	508	CLA	C1B-C2B	2.60	1.49	1.43
14	U	512	CLA	C3B-C4B	2.60	1.50	1.42
14	b4	508	CLA	C1B-C2B	2.60	1.49	1.43
14	b2	508	CLA	C1B-C2B	2.60	1.49	1.43
14	cB	1229	CLA	C1B-C2B	2.59	1.49	1.43
14	cA	1128	CLA	C1B-C2B	2.59	1.49	1.43
14	cB	1231	CLA	C3B-C4B	2.58	1.50	1.42
14	bA	1022	CLA	C1B-C2B	2.58	1.49	1.43
14	aA	1022	CLA	C1B-C2B	2.57	1.49	1.43
14	i	516	CLA	C1B-C2B	2.57	1.49	1.43
14	bA	1128	CLA	C1B-C2B	2.57	1.49	1.43
14	aA	1128	CLA	C1B-C2B	2.55	1.49	1.43
18	bA	5002	LHG	O7-C5	-2.54	1.40	1.46
14	cA	1137	CLA	C3B-C4B	2.53	1.50	1.42
14	bB	1231	CLA	C3B-C4B	2.53	1.50	1.42
14	l	517	CLA	C1B-C2B	2.52	1.49	1.43
14	e	516	CLA	C1B-C2B	2.52	1.49	1.43
14	q	512	CLA	C3B-C4B	2.51	1.50	1.42
14	aB	1231	CLA	C3B-C4B	2.49	1.50	1.42
14	cB	1207	CLA	C3B-C4B	2.49	1.50	1.42
14	bA	1139	CLA	C3B-C4B	2.48	1.50	1.42
14	aB	1207	CLA	C3B-C4B	2.47	1.49	1.42
14	X	516	CLA	C3B-C4B	2.47	1.49	1.42
14	bA	1137	CLA	C3B-C4B	2.46	1.49	1.42
14	bB	1207	CLA	C3B-C4B	2.46	1.49	1.42
14	a1	512	CLA	C3B-C4B	2.46	1.49	1.42
14	aA	1137	CLA	C3B-C4B	2.45	1.49	1.42
14	c1	516	CLA	C3B-C4B	2.45	1.49	1.42
14	p	512	CLA	C3B-C4B	2.45	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	cB	1201	CLA	C3B-C4B	2.45	1.49	1.42
14	bB	1219	CLA	CHC-C1C	2.45	1.43	1.38
14	aA	1139	CLA	C3B-C4B	2.44	1.49	1.42
14	j	501	CLA	C3B-C4B	2.44	1.49	1.42
14	m	512	CLA	C3B-C4B	2.44	1.49	1.42
14	b3	512	CLA	C3B-C4B	2.44	1.49	1.42
14	cA	1139	CLA	C3B-C4B	2.44	1.49	1.42
14	c4	512	CLA	C3B-C4B	2.44	1.49	1.42
14	cA	1102	CLA	C3B-C4B	2.44	1.49	1.42
14	c2	501	CLA	C3B-C4B	2.44	1.49	1.42
14	c6	512	CLA	C3B-C4B	2.44	1.49	1.42
14	b6	519	CLA	CHC-C1C	2.44	1.43	1.38
14	aA	1104	CLA	C3B-C4B	2.44	1.49	1.42
14	W	501	CLA	C3B-C4B	2.44	1.49	1.42
14	l	512	CLA	C3B-C4B	2.43	1.49	1.42
14	cB	1219	CLA	C3B-C4B	2.43	1.49	1.42
14	b6	512	CLA	C3B-C4B	2.43	1.49	1.42
14	cB	1201	CLA	CHC-C1C	2.43	1.43	1.38
14	aB	1209	CLA	C3B-C4B	2.43	1.49	1.42
14	bB	1201	CLA	C3B-C4B	2.43	1.49	1.42
14	c2	512	CLA	C3B-C4B	2.43	1.49	1.42
14	g	504	CLA	C3B-C4B	2.43	1.49	1.42
14	q	504	CLA	C3B-C4B	2.43	1.49	1.42
14	e	516	CLA	C3B-C4B	2.43	1.49	1.42
14	bA	1102	CLA	CHC-C1C	2.43	1.43	1.38
14	bB	1219	CLA	C3B-C4B	2.43	1.49	1.42
14	T	516	CLA	CHC-C1C	2.43	1.43	1.38
14	bA	1102	CLA	C3B-C4B	2.43	1.49	1.42
14	X	517	CLA	C3B-C4B	2.43	1.49	1.42
14	g	512	CLA	C3B-C4B	2.43	1.49	1.42
14	d	512	CLA	C3B-C4B	2.42	1.49	1.42
14	V	501	CLA	C3B-C4B	2.42	1.49	1.42
14	g	516	CLA	C3B-C4B	2.42	1.49	1.42
14	cA	1102	CLA	CHC-C1C	2.42	1.43	1.38
14	c1	504	CLA	C3B-C4B	2.42	1.49	1.42
14	aB	1211	CLA	C3B-C4B	2.42	1.49	1.42
14	i	517	CLA	C3B-C4B	2.42	1.49	1.42
14	Y	512	CLA	C3B-C4B	2.42	1.49	1.42
14	k	517	CLA	C3B-C4B	2.42	1.49	1.42
14	T	512	CLA	C3B-C4B	2.42	1.49	1.42
14	aB	1236	CLA	C3B-C4B	2.42	1.49	1.42
14	i	504	CLA	C3B-C4B	2.42	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	e	513	CLA	C3B-C4B	2.42	1.49	1.42
14	S	504	CLA	C3B-C4B	2.42	1.49	1.42
14	aX	1401	CLA	C3B-C4B	2.42	1.49	1.42
14	a4	512	CLA	C3B-C4B	2.42	1.49	1.42
14	aB	1222	CLA	C3B-C4B	2.42	1.49	1.42
14	bA	1101	CLA	C3B-C4B	2.42	1.49	1.42
14	q	501	CLA	C3B-C4B	2.42	1.49	1.42
14	a3	512	CLA	C3B-C4B	2.42	1.49	1.42
14	V	512	CLA	C3B-C4B	2.42	1.49	1.42
14	aA	1109	CLA	C3B-C4B	2.42	1.49	1.42
14	X	512	CLA	C3B-C4B	2.42	1.49	1.42
14	bA	1119	CLA	C3B-C4B	2.42	1.49	1.42
14	bA	1134	CLA	C3B-C4B	2.42	1.49	1.42
14	aB	1201	CLA	C3B-C4B	2.42	1.49	1.42
14	f	517	CLA	C3B-C4B	2.42	1.49	1.42
14	i	512	CLA	C3B-C4B	2.42	1.49	1.42
14	b	512	CLA	C3B-C4B	2.42	1.49	1.42
14	e	517	CLA	C3B-C4B	2.42	1.49	1.42
14	bA	1116	CLA	C3B-C4B	2.42	1.49	1.42
14	j	517	CLA	C3B-C4B	2.41	1.49	1.42
14	aB	1219	CLA	C3B-C4B	2.41	1.49	1.42
14	cB	1209	CLA	C3B-C4B	2.41	1.49	1.42
14	W	517	CLA	C3B-C4B	2.41	1.49	1.42
14	X	501	CLA	C3B-C4B	2.41	1.49	1.42
14	Z	512	CLA	C3B-C4B	2.41	1.49	1.42
14	U	512	CLA	C1B-C2B	2.41	1.48	1.43
14	h	508	CLA	C3B-C4B	2.41	1.49	1.42
14	bB	1211	CLA	C3B-C4B	2.41	1.49	1.42
14	V	516	CLA	C3B-C4B	2.41	1.49	1.42
15	aA	2001	PQN	C9-C10	2.41	1.43	1.39
14	a6	512	CLA	C3B-C4B	2.41	1.49	1.42
14	c5	503	CLA	C3B-C4B	2.41	1.49	1.42
14	f	512	CLA	C3B-C4B	2.41	1.49	1.42
14	Z	517	CLA	C3B-C4B	2.41	1.49	1.42
14	a	504	CLA	C3B-C4B	2.41	1.49	1.42
14	a4	501	CLA	C3B-C4B	2.41	1.49	1.42
14	a6	518	CLA	C3B-C4B	2.41	1.49	1.42
14	cA	1101	CLA	C3B-C4B	2.41	1.49	1.42
14	j	504	CLA	C3B-C4B	2.41	1.49	1.42
14	aA	1138	CLA	C3B-C4B	2.41	1.49	1.42
14	bB	1222	CLA	CHC-C1C	2.41	1.43	1.38
14	a1	501	CLA	C3B-C4B	2.41	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	cB	1236	CLA	C3B-C4B	2.41	1.49	1.42
14	a5	512	CLA	C3B-C4B	2.41	1.49	1.42
14	f	504	CLA	C3B-C4B	2.41	1.49	1.42
14	cB	1211	CLA	CHC-C1C	2.41	1.43	1.38
14	aA	1102	CLA	C3B-C4B	2.41	1.49	1.42
14	aB	1023	CLA	C3B-C4B	2.41	1.49	1.42
14	c5	512	CLA	C3B-C4B	2.41	1.49	1.42
14	c	512	CLA	C3B-C4B	2.41	1.49	1.42
14	cA	1114	CLA	C3B-C4B	2.41	1.49	1.42
14	V	513	CLA	C3B-C4B	2.41	1.49	1.42
14	i	516	CLA	C3B-C4B	2.41	1.49	1.42
14	p	501	CLA	C3B-C4B	2.41	1.49	1.42
14	aB	1012	CLA	CHC-C1C	2.41	1.43	1.38
14	a6	508	CLA	C3B-C4B	2.41	1.49	1.42
14	cA	1134	CLA	C3B-C4B	2.41	1.49	1.42
14	aK	1401	CLA	C3B-C4B	2.41	1.49	1.42
14	aB	1201	CLA	CHC-C1C	2.41	1.43	1.38
14	bB	1023	CLA	C3B-C4B	2.41	1.49	1.42
14	c	508	CLA	C3B-C4B	2.41	1.49	1.42
14	cA	1138	CLA	C3B-C4B	2.41	1.49	1.42
14	g	501	CLA	C3B-C4B	2.41	1.49	1.42
14	W	512	CLA	C3B-C4B	2.41	1.49	1.42
14	b5	512	CLA	C3B-C4B	2.40	1.49	1.42
14	k	508	CLA	C3B-C4B	2.40	1.49	1.42
14	m	519	CLA	C3B-C4B	2.40	1.49	1.42
14	c4	517	CLA	C3B-C4B	2.40	1.49	1.42
14	V	508	CLA	C3B-C4B	2.40	1.49	1.42
14	o	508	CLA	C3B-C4B	2.40	1.49	1.42
14	a6	503	CLA	C3B-C4B	2.40	1.49	1.42
14	cB	1023	CLA	C3B-C4B	2.40	1.49	1.42
14	n	503	CLA	C3B-C4B	2.40	1.49	1.42
14	cJ	1302	CLA	C3B-C4B	2.40	1.49	1.42
14	U	501	CLA	C3B-C4B	2.40	1.49	1.42
14	W	504	CLA	C3B-C4B	2.40	1.49	1.42
14	c	501	CLA	C3B-C4B	2.40	1.49	1.42
14	a	512	CLA	C3B-C4B	2.40	1.49	1.42
14	d	517	CLA	C3B-C4B	2.40	1.49	1.42
14	c4	519	CLA	C3B-C4B	2.40	1.49	1.42
14	l	508	CLA	C3B-C4B	2.40	1.49	1.42
14	c3	512	CLA	C3B-C4B	2.40	1.49	1.42
14	q	516	CLA	C3B-C4B	2.40	1.49	1.42
14	aB	1219	CLA	CHC-C1C	2.40	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b4	512	CLA	C3B-C4B	2.40	1.49	1.42
14	o	504	CLA	C3B-C4B	2.40	1.49	1.42
14	d	501	CLA	C3B-C4B	2.40	1.49	1.42
14	bA	1125	CLA	C3B-C4B	2.40	1.49	1.42
14	S	513	CLA	C3B-C4B	2.40	1.49	1.42
14	a5	503	CLA	C3B-C4B	2.40	1.49	1.42
14	U	516	CLA	C3B-C4B	2.40	1.49	1.42
14	a4	517	CLA	C3B-C4B	2.40	1.49	1.42
14	b5	501	CLA	C3B-C4B	2.40	1.49	1.42
14	bK	1401	CLA	C3B-C4B	2.40	1.49	1.42
14	e	508	CLA	C3B-C4B	2.40	1.49	1.42
14	aA	1134	CLA	C3B-C4B	2.40	1.49	1.42
14	bA	1136	CLA	C3B-C4B	2.40	1.49	1.42
14	cB	1211	CLA	C3B-C4B	2.40	1.49	1.42
14	c4	501	CLA	C3B-C4B	2.40	1.49	1.42
14	Y	517	CLA	C3B-C4B	2.40	1.49	1.42
14	l	501	CLA	C3B-C4B	2.40	1.49	1.42
14	m	504	CLA	C3B-C4B	2.40	1.49	1.42
14	cB	1219	CLA	CHC-C1C	2.40	1.43	1.38
14	aA	1125	CLA	C3B-C4B	2.40	1.49	1.42
14	q	508	CLA	C3B-C4B	2.40	1.49	1.42
14	b1	504	CLA	C3B-C4B	2.40	1.49	1.42
14	T	516	CLA	C3B-C4B	2.40	1.49	1.42
14	n	512	CLA	C3B-C4B	2.40	1.49	1.42
14	aK	1103	CLA	C3B-C4B	2.40	1.49	1.42
14	b4	501	CLA	C3B-C4B	2.40	1.49	1.42
14	b3	504	CLA	C3B-C4B	2.39	1.49	1.42
14	bB	1211	CLA	CHC-C1C	2.39	1.43	1.38
14	bB	1201	CLA	CHC-C1C	2.39	1.43	1.38
14	a	517	CLA	C3B-C4B	2.39	1.49	1.42
14	c	503	CLA	C3B-C4B	2.39	1.49	1.42
14	e	501	CLA	C3B-C4B	2.39	1.49	1.42
14	b1	516	CLA	C3B-C4B	2.39	1.49	1.42
14	b6	519	CLA	C3B-C4B	2.39	1.49	1.42
14	aA	1140	CLA	C3B-C4B	2.39	1.49	1.42
14	Z	504	CLA	C3B-C4B	2.39	1.49	1.42
14	a	501	CLA	C3B-C4B	2.39	1.49	1.42
14	d	513	CLA	C3B-C4B	2.39	1.49	1.42
14	e	512	CLA	C3B-C4B	2.39	1.49	1.42
14	d	504	CLA	C3B-C4B	2.39	1.49	1.42
14	k	504	CLA	C3B-C4B	2.39	1.49	1.42
14	a2	512	CLA	C3B-C4B	2.39	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	k	519	CLA	C3B-C4B	2.39	1.49	1.42
14	cK	1401	CLA	C3B-C4B	2.39	1.49	1.42
14	c3	517	CLA	C3B-C4B	2.39	1.49	1.42
14	c	504	CLA	C3B-C4B	2.39	1.49	1.42
14	h	516	CLA	C3B-C4B	2.39	1.49	1.42
14	bB	1023	CLA	CHC-C1C	2.39	1.43	1.38
14	a3	501	CLA	C3B-C4B	2.39	1.49	1.42
14	b4	517	CLA	C3B-C4B	2.39	1.49	1.42
14	cB	1012	CLA	C3B-C4B	2.39	1.49	1.42
14	c5	517	CLA	C3B-C4B	2.39	1.49	1.42
14	U	517	CLA	C3B-C4B	2.39	1.49	1.42
14	b5	503	CLA	C3B-C4B	2.39	1.49	1.42
14	c2	508	CLA	C3B-C4B	2.39	1.49	1.42
14	c5	519	CLA	C3B-C4B	2.39	1.49	1.42
14	d	508	CLA	C3B-C4B	2.39	1.49	1.42
14	aA	1114	CLA	C3B-C4B	2.39	1.49	1.42
14	c2	506	CLA	C3B-C4B	2.39	1.49	1.42
14	b	517	CLA	C3B-C4B	2.39	1.49	1.42
14	bA	1109	CLA	C3B-C4B	2.39	1.49	1.42
14	bB	1222	CLA	C3B-C4B	2.39	1.49	1.42
14	cB	1218	CLA	C3B-C4B	2.39	1.49	1.42
14	T	517	CLA	C3B-C4B	2.39	1.49	1.42
14	j	519	CLA	C3B-C4B	2.39	1.49	1.42
14	b	508	CLA	C3B-C4B	2.39	1.49	1.42
14	cA	1124	CLA	C3B-C4B	2.39	1.49	1.42
14	f	513	CLA	C3B-C4B	2.39	1.49	1.42
14	h	501	CLA	C3B-C4B	2.39	1.49	1.42
14	bA	1140	CLA	C3B-C4B	2.39	1.49	1.42
14	b2	517	CLA	C3B-C4B	2.39	1.49	1.42
14	c1	517	CLA	C3B-C4B	2.39	1.49	1.42
14	S	512	CLA	C3B-C4B	2.39	1.49	1.42
14	g	517	CLA	C3B-C4B	2.39	1.49	1.42
14	X	508	CLA	C3B-C4B	2.39	1.49	1.42
14	b	519	CLA	C3B-C4B	2.39	1.49	1.42
14	aA	1013	CLA	CHC-C1C	2.39	1.43	1.38
14	b6	517	CLA	C3B-C4B	2.39	1.49	1.42
14	Z	501	CLA	C3B-C4B	2.39	1.49	1.42
14	a1	517	CLA	C3B-C4B	2.39	1.49	1.42
14	c3	508	CLA	C3B-C4B	2.39	1.49	1.42
14	bA	1121	CLA	C3B-C4B	2.39	1.49	1.42
14	q	517	CLA	C3B-C4B	2.39	1.49	1.42
14	aA	1116	CLA	C3B-C4B	2.39	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	aB	1232	CLA	C3B-C4B	2.39	1.49	1.42
14	a1	519	CLA	C3B-C4B	2.39	1.49	1.42
15	bA	2001	PQN	C9-C10	2.38	1.43	1.39
14	a3	517	CLA	C3B-C4B	2.38	1.49	1.42
14	a5	517	CLA	C3B-C4B	2.38	1.49	1.42
14	bB	1236	CLA	C3B-C4B	2.38	1.49	1.42
14	h	507	CLA	C3B-C4B	2.38	1.49	1.42
14	aB	1012	CLA	C3B-C4B	2.38	1.49	1.42
14	bB	1218	CLA	C3B-C4B	2.38	1.49	1.42
14	bB	1209	CLA	C3B-C4B	2.38	1.49	1.42
14	cA	1116	CLA	C3B-C4B	2.38	1.49	1.42
14	bX	1401	CLA	C3B-C4B	2.38	1.49	1.42
14	cA	1104	CLA	C3B-C4B	2.38	1.49	1.42
14	c3	501	CLA	C3B-C4B	2.38	1.49	1.42
14	W	518	CLA	C3B-C4B	2.38	1.49	1.42
14	Y	504	CLA	C3B-C4B	2.38	1.49	1.42
14	m	501	CLA	C3B-C4B	2.38	1.49	1.42
14	U	508	CLA	C3B-C4B	2.38	1.49	1.42
14	g	508	CLA	C3B-C4B	2.38	1.49	1.42
14	aA	1110	CLA	C3B-C4B	2.38	1.49	1.42
14	Y	508	CLA	C3B-C4B	2.38	1.49	1.42
14	cA	1140	CLA	C3B-C4B	2.38	1.49	1.42
14	cX	1401	CLA	C3B-C4B	2.38	1.49	1.42
14	c5	501	CLA	C3B-C4B	2.38	1.49	1.42
14	Z	508	CLA	C3B-C4B	2.38	1.49	1.42
14	n	504	CLA	C3B-C4B	2.38	1.49	1.42
14	k	517	CLA	CHC-C1C	2.38	1.43	1.38
14	aB	1214	CLA	C3B-C4B	2.38	1.49	1.42
14	bB	1012	CLA	C3B-C4B	2.38	1.49	1.42
14	b1	501	CLA	C3B-C4B	2.38	1.49	1.42
14	b5	519	CLA	C3B-C4B	2.38	1.49	1.42
14	bB	1234	CLA	C3B-C4B	2.38	1.49	1.42
14	b1	512	CLA	C3B-C4B	2.38	1.49	1.42
14	T	501	CLA	C3B-C4B	2.38	1.49	1.42
14	V	504	CLA	C3B-C4B	2.38	1.49	1.42
14	b	501	CLA	C3B-C4B	2.38	1.49	1.42
14	aA	1121	CLA	C3B-C4B	2.38	1.49	1.42
14	f	519	CLA	C3B-C4B	2.38	1.49	1.42
14	k	501	CLA	C3B-C4B	2.38	1.49	1.42
14	a1	508	CLA	C3B-C4B	2.38	1.49	1.42
14	bJ	1302	CLA	C3B-C4B	2.38	1.49	1.42
14	j	512	CLA	C3B-C4B	2.38	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	508	CLA	C3B-C4B	2.38	1.49	1.42
14	e	504	CLA	C3B-C4B	2.38	1.49	1.42
14	aA	1130	CLA	C3B-C4B	2.38	1.49	1.42
14	a6	517	CLA	C3B-C4B	2.38	1.49	1.42
14	b2	512	CLA	C3B-C4B	2.38	1.49	1.42
14	cK	1103	CLA	C3B-C4B	2.38	1.49	1.42
14	X	516	CLA	CHC-C1C	2.38	1.43	1.38
14	c1	512	CLA	C3B-C4B	2.38	1.49	1.42
14	n	505	CLA	C3B-C4B	2.38	1.49	1.42
14	b4	506	CLA	C3B-C4B	2.38	1.49	1.42
14	c2	517	CLA	C3B-C4B	2.38	1.49	1.42
14	j	508	CLA	C3B-C4B	2.38	1.49	1.42
14	aB	1023	CLA	CHC-C1C	2.38	1.43	1.38
14	h	512	CLA	C3B-C4B	2.38	1.49	1.42
14	aB	1211	CLA	CHC-C1C	2.38	1.43	1.38
14	cB	1212	CLA	C3B-C4B	2.38	1.49	1.42
14	Z	516	CLA	C3B-C4B	2.38	1.49	1.42
14	d	503	CLA	C3B-C4B	2.38	1.49	1.42
14	aA	1116	CLA	CHC-C1C	2.38	1.43	1.38
14	a1	513	CLA	C3B-C4B	2.38	1.49	1.42
14	c5	519	CLA	CHC-C1C	2.38	1.43	1.38
14	b3	508	CLA	C3B-C4B	2.38	1.49	1.42
14	cA	1110	CLA	C3B-C4B	2.38	1.49	1.42
14	Y	501	CLA	C3B-C4B	2.38	1.49	1.42
14	i	501	CLA	C3B-C4B	2.38	1.49	1.42
14	a2	517	CLA	C3B-C4B	2.38	1.49	1.42
14	bF	1301	CLA	C3B-C4B	2.38	1.49	1.42
14	S	519	CLA	C3B-C4B	2.38	1.49	1.42
14	Z	513	CLA	C3B-C4B	2.38	1.49	1.42
14	a3	508	CLA	C3B-C4B	2.38	1.49	1.42
14	bA	1138	CLA	C3B-C4B	2.38	1.49	1.42
14	a5	501	CLA	C3B-C4B	2.37	1.49	1.42
14	aA	1119	CLA	C3B-C4B	2.37	1.49	1.42
14	a2	501	CLA	C3B-C4B	2.37	1.49	1.42
14	cL	1503	CLA	C3B-C4B	2.37	1.49	1.42
14	bA	1113	CLA	C3B-C4B	2.37	1.49	1.42
14	i	519	CLA	C3B-C4B	2.37	1.49	1.42
14	a6	501	CLA	C3B-C4B	2.37	1.49	1.42
14	bA	1110	CLA	C3B-C4B	2.37	1.49	1.42
14	b6	508	CLA	C3B-C4B	2.37	1.49	1.42
14	e	503	CLA	C3B-C4B	2.37	1.49	1.42
14	i	508	CLA	C3B-C4B	2.37	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	bB	1214	CLA	C3B-C4B	2.37	1.49	1.42
14	b2	510	CLA	C3B-C4B	2.37	1.49	1.42
14	b4	513	CLA	C3B-C4B	2.37	1.49	1.42
14	b5	513	CLA	C3B-C4B	2.37	1.49	1.42
14	S	517	CLA	C3B-C4B	2.37	1.49	1.42
14	h	510	CLA	C3B-C4B	2.37	1.49	1.42
14	h	517	CLA	C3B-C4B	2.37	1.49	1.42
14	aA	1101	CLA	C3B-C4B	2.37	1.49	1.42
14	aB	1210	CLA	C3B-C4B	2.37	1.49	1.42
14	a4	513	CLA	C3B-C4B	2.37	1.49	1.42
14	V	519	CLA	C3B-C4B	2.37	1.49	1.42
14	p	519	CLA	C3B-C4B	2.37	1.49	1.42
14	U	516	CLA	CHC-C1C	2.37	1.43	1.38
14	bL	1503	CLA	C3B-C4B	2.37	1.49	1.42
14	bL	1502	CLA	CHC-C1C	2.37	1.43	1.38
14	aB	1212	CLA	C3B-C4B	2.37	1.49	1.42
14	a4	511	CLA	C3B-C4B	2.37	1.49	1.42
14	b4	503	CLA	C3B-C4B	2.37	1.49	1.42
14	b6	501	CLA	C3B-C4B	2.37	1.49	1.42
14	n	501	CLA	C3B-C4B	2.37	1.49	1.42
14	n	508	CLA	C3B-C4B	2.37	1.49	1.42
14	b6	518	CLA	C3B-C4B	2.37	1.49	1.42
14	c3	504	CLA	C3B-C4B	2.37	1.49	1.42
14	U	507	CLA	C3B-C4B	2.37	1.49	1.42
14	aB	1235	CLA	C3B-C4B	2.37	1.49	1.42
14	f	516	CLA	C3B-C4B	2.37	1.49	1.42
14	o	519	CLA	C3B-C4B	2.37	1.49	1.42
14	aB	1218	CLA	C3B-C4B	2.37	1.49	1.42
14	b6	510	CLA	C3B-C4B	2.37	1.49	1.42
14	b	504	CLA	C3B-C4B	2.37	1.49	1.42
14	aF	1301	CLA	C3B-C4B	2.37	1.49	1.42
14	j	505	CLA	C3B-C4B	2.37	1.49	1.42
14	n	517	CLA	C3B-C4B	2.37	1.49	1.42
14	b5	508	CLA	C3B-C4B	2.37	1.49	1.42
14	S	503	CLA	C3B-C4B	2.37	1.49	1.42
14	a5	508	CLA	C3B-C4B	2.37	1.49	1.42
14	T	505	CLA	C3B-C4B	2.37	1.49	1.42
14	aB	1239	CLA	C3B-C4B	2.37	1.49	1.42
14	b6	506	CLA	C3B-C4B	2.37	1.49	1.42
14	o	513	CLA	C3B-C4B	2.37	1.49	1.42
14	k	508	CLA	CHC-C1C	2.37	1.43	1.38
14	bK	1103	CLA	C3B-C4B	2.37	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	W	511	CLA	C3B-C4B	2.37	1.49	1.42
14	aA	1106	CLA	C3B-C4B	2.37	1.49	1.42
14	b2	508	CLA	C3B-C4B	2.37	1.49	1.42
14	cA	1109	CLA	C3B-C4B	2.37	1.49	1.42
14	cA	1136	CLA	C3B-C4B	2.37	1.49	1.42
14	c6	508	CLA	C3B-C4B	2.37	1.49	1.42
14	T	513	CLA	C3B-C4B	2.37	1.49	1.42
14	j	513	CLA	C3B-C4B	2.37	1.49	1.42
14	q	510	CLA	C3B-C4B	2.37	1.49	1.42
14	g	516	CLA	CHC-C1C	2.37	1.43	1.38
14	f	501	CLA	C3B-C4B	2.37	1.49	1.42
14	aA	1124	CLA	C3B-C4B	2.37	1.49	1.42
14	c5	504	CLA	C3B-C4B	2.37	1.49	1.42
14	bB	1225	CLA	C3B-C4B	2.37	1.49	1.42
14	aB	1222	CLA	CHC-C1C	2.36	1.43	1.38
14	cB	1235	CLA	C3B-C4B	2.36	1.49	1.42
14	c6	519	CLA	C3B-C4B	2.36	1.49	1.42
14	m	517	CLA	C3B-C4B	2.36	1.49	1.42
14	b6	503	CLA	C3B-C4B	2.36	1.49	1.42
14	S	518	CLA	C3B-C4B	2.36	1.49	1.42
14	aJ	1302	CLA	C3B-C4B	2.36	1.49	1.42
14	bB	1232	CLA	C3B-C4B	2.36	1.49	1.42
14	cF	1301	CLA	C3B-C4B	2.36	1.49	1.42
14	bA	1114	CLA	C3B-C4B	2.36	1.49	1.42
14	cA	1013	CLA	C3B-C4B	2.36	1.49	1.42
14	o	501	CLA	C3B-C4B	2.36	1.49	1.42
14	bB	1012	CLA	CHC-C1C	2.36	1.43	1.38
14	a4	519	CLA	C3B-C4B	2.36	1.49	1.42
14	S	516	CLA	C3B-C4B	2.36	1.49	1.42
14	h	519	CLA	C3B-C4B	2.36	1.49	1.42
14	q	513	CLA	C3B-C4B	2.36	1.49	1.42
14	aA	1102	CLA	CHC-C1C	2.36	1.43	1.38
14	a5	510	CLA	C3B-C4B	2.36	1.49	1.42
14	cA	1130	CLA	C3B-C4B	2.36	1.49	1.42
14	cB	1210	CLA	C3B-C4B	2.36	1.49	1.42
14	c2	519	CLA	C3B-C4B	2.36	1.49	1.42
14	p	508	CLA	C3B-C4B	2.36	1.49	1.42
14	a2	503	CLA	C3B-C4B	2.36	1.49	1.42
14	b3	501	CLA	C3B-C4B	2.36	1.49	1.42
14	W	516	CLA	C3B-C4B	2.36	1.49	1.42
14	cB	1023	CLA	CHC-C1C	2.36	1.43	1.38
14	c4	513	CLA	C3B-C4B	2.36	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	d	513	CLA	CHC-C1C	2.36	1.43	1.38
14	c1	501	CLA	C3B-C4B	2.36	1.49	1.42
14	c1	508	CLA	C3B-C4B	2.36	1.49	1.42
14	T	503	CLA	C3B-C4B	2.36	1.49	1.42
14	e	510	CLA	C3B-C4B	2.36	1.49	1.42
14	cA	1013	CLA	CHC-C1C	2.36	1.43	1.38
14	a1	504	CLA	C3B-C4B	2.36	1.49	1.42
14	a6	505	CLA	C3B-C4B	2.36	1.49	1.42
14	m	508	CLA	C3B-C4B	2.36	1.49	1.42
14	p	504	CLA	C3B-C4B	2.36	1.49	1.42
14	b4	519	CLA	C3B-C4B	2.36	1.49	1.42
14	n	519	CLA	C3B-C4B	2.36	1.49	1.42
14	b1	508	CLA	C3B-C4B	2.36	1.49	1.42
14	b1	513	CLA	C3B-C4B	2.36	1.49	1.42
14	b1	517	CLA	C3B-C4B	2.36	1.49	1.42
14	c6	503	CLA	C3B-C4B	2.36	1.49	1.42
14	a	516	CLA	C3B-C4B	2.36	1.49	1.42
14	aA	1113	CLA	C3B-C4B	2.36	1.49	1.42
14	aB	1208	CLA	C3B-C4B	2.36	1.49	1.42
14	U	513	CLA	C3B-C4B	2.36	1.49	1.42
14	i	505	CLA	C3B-C4B	2.36	1.49	1.42
14	b1	518	CLA	C3B-C4B	2.36	1.49	1.42
14	b6	504	CLA	C3B-C4B	2.36	1.49	1.42
14	c2	513	CLA	C3B-C4B	2.36	1.49	1.42
14	c4	503	CLA	C3B-C4B	2.36	1.49	1.42
14	X	504	CLA	C3B-C4B	2.36	1.49	1.42
14	f	508	CLA	C3B-C4B	2.36	1.49	1.42
14	cA	1119	CLA	CHC-C1C	2.36	1.43	1.38
14	cB	1222	CLA	CHC-C1C	2.36	1.43	1.38
14	cB	1208	CLA	C3B-C4B	2.36	1.49	1.42
14	c4	510	CLA	C3B-C4B	2.36	1.49	1.42
14	c	508	CLA	CHC-C1C	2.36	1.43	1.38
14	aL	1502	CLA	C3B-C4B	2.36	1.49	1.42
14	bA	1124	CLA	C3B-C4B	2.36	1.49	1.42
14	W	508	CLA	C3B-C4B	2.36	1.49	1.42
14	a2	506	CLA	C3B-C4B	2.36	1.49	1.42
14	c6	517	CLA	C3B-C4B	2.36	1.49	1.42
14	a4	504	CLA	C3B-C4B	2.36	1.49	1.42
14	X	508	CLA	CHC-C1C	2.36	1.43	1.38
14	aA	1117	CLA	C3B-C4B	2.36	1.49	1.42
14	aA	1013	CLA	C3B-C4B	2.36	1.49	1.42
14	c	517	CLA	C3B-C4B	2.36	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	p	511	CLA	C3B-C4B	2.36	1.49	1.42
14	a2	518	CLA	C3B-C4B	2.36	1.49	1.42
14	a5	505	CLA	C3B-C4B	2.36	1.49	1.42
14	c4	508	CLA	C3B-C4B	2.36	1.49	1.42
14	cB	1214	CLA	CHC-C1C	2.36	1.43	1.38
14	aA	1111	CLA	C3B-C4B	2.36	1.49	1.42
14	a3	518	CLA	C3B-C4B	2.36	1.49	1.42
14	T	504	CLA	C3B-C4B	2.36	1.49	1.42
14	b3	513	CLA	C3B-C4B	2.36	1.49	1.42
14	c5	508	CLA	C3B-C4B	2.36	1.49	1.42
14	S	508	CLA	C3B-C4B	2.36	1.49	1.42
14	e	518	CLA	C3B-C4B	2.36	1.49	1.42
14	cA	1121	CLA	C3B-C4B	2.35	1.49	1.42
14	bB	1235	CLA	C3B-C4B	2.35	1.49	1.42
14	V	503	CLA	C3B-C4B	2.35	1.49	1.42
14	X	513	CLA	C3B-C4B	2.35	1.49	1.42
14	k	513	CLA	C3B-C4B	2.35	1.49	1.42
14	bA	1116	CLA	CHC-C1C	2.35	1.43	1.38
14	cJ	1303	CLA	C3B-C4B	2.35	1.49	1.42
14	n	506	CLA	C3B-C4B	2.35	1.49	1.42
14	aB	1235	CLA	CHC-C1C	2.35	1.43	1.38
14	b3	513	CLA	CHC-C1C	2.35	1.43	1.38
14	g	508	CLA	CHC-C1C	2.35	1.43	1.38
14	aB	1225	CLA	C3B-C4B	2.35	1.49	1.42
14	c1	519	CLA	C3B-C4B	2.35	1.49	1.42
14	c3	511	CLA	C3B-C4B	2.35	1.49	1.42
14	d	516	CLA	C3B-C4B	2.35	1.49	1.42
14	o	505	CLA	C3B-C4B	2.35	1.49	1.42
14	cB	1233	CLA	C3B-C4B	2.35	1.49	1.42
14	c6	501	CLA	C3B-C4B	2.35	1.49	1.42
14	b	516	CLA	C3B-C4B	2.35	1.49	1.42
14	g	513	CLA	C3B-C4B	2.35	1.49	1.42
14	j	511	CLA	C3B-C4B	2.35	1.49	1.42
14	m	513	CLA	C3B-C4B	2.35	1.49	1.42
14	n	509	CLA	C3B-C4B	2.35	1.49	1.42
14	aA	1115	CLA	C3B-C4B	2.35	1.49	1.42
14	a3	511	CLA	C3B-C4B	2.35	1.49	1.42
14	bB	1212	CLA	C3B-C4B	2.35	1.49	1.42
14	cB	1214	CLA	C3B-C4B	2.35	1.49	1.42
14	c6	504	CLA	C3B-C4B	2.35	1.49	1.42
14	l	505	CLA	C3B-C4B	2.35	1.49	1.42
14	b3	510	CLA	C3B-C4B	2.35	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	c	516	CLA	C3B-C4B	2.35	1.49	1.42
14	b4	508	CLA	C3B-C4B	2.35	1.49	1.42
14	cA	1117	CLA	C3B-C4B	2.35	1.49	1.42
14	c3	519	CLA	C3B-C4B	2.35	1.49	1.42
14	c6	513	CLA	C3B-C4B	2.35	1.49	1.42
14	V	517	CLA	C3B-C4B	2.35	1.49	1.42
14	i	506	CLA	C3B-C4B	2.35	1.49	1.42
14	cA	1125	CLA	C3B-C4B	2.35	1.49	1.42
14	cB	1232	CLA	C3B-C4B	2.35	1.49	1.42
14	c5	506	CLA	C3B-C4B	2.35	1.49	1.42
14	f	519	CLA	CHC-C1C	2.35	1.43	1.38
14	bA	1106	CLA	C3B-C4B	2.35	1.49	1.42
14	bA	1127	CLA	C3B-C4B	2.35	1.49	1.42
14	cB	1234	CLA	C3B-C4B	2.35	1.49	1.42
14	aB	1221	CLA	C3B-C4B	2.35	1.49	1.42
14	e	508	CLA	CHC-C1C	2.35	1.43	1.38
14	S	511	CLA	C3B-C4B	2.35	1.49	1.42
14	c1	508	CLA	CHC-C1C	2.35	1.43	1.38
14	a6	506	CLA	C3B-C4B	2.35	1.49	1.42
14	bB	1239	CLA	C3B-C4B	2.35	1.49	1.42
14	cB	1220	CLA	C3B-C4B	2.35	1.49	1.42
14	bA	1119	CLA	CHC-C1C	2.35	1.43	1.38
14	c5	510	CLA	C3B-C4B	2.35	1.49	1.42
14	l	503	CLA	C3B-C4B	2.35	1.49	1.42
14	a2	508	CLA	C3B-C4B	2.35	1.49	1.42
14	c5	513	CLA	C3B-C4B	2.35	1.49	1.42
14	b4	504	CLA	C3B-C4B	2.35	1.49	1.42
14	c1	518	CLA	C3B-C4B	2.35	1.49	1.42
14	aA	1128	CLA	CMB-C2B	-2.35	1.46	1.50
14	Z	506	CLA	C3B-C4B	2.35	1.49	1.42
14	k	516	CLA	C3B-C4B	2.35	1.49	1.42
14	p	503	CLA	C3B-C4B	2.35	1.49	1.42
14	bA	1013	CLA	CHC-C1C	2.35	1.43	1.38
14	aB	1213	CLA	C3B-C4B	2.35	1.49	1.42
14	a3	504	CLA	C3B-C4B	2.35	1.49	1.42
14	b2	519	CLA	C3B-C4B	2.35	1.49	1.42
14	b6	513	CLA	C3B-C4B	2.35	1.49	1.42
14	k	510	CLA	C3B-C4B	2.35	1.49	1.42
14	p	516	CLA	CHC-C1C	2.35	1.43	1.38
14	a4	508	CLA	C3B-C4B	2.35	1.49	1.42
14	g	518	CLA	C3B-C4B	2.35	1.49	1.42
14	aA	1136	CLA	C3B-C4B	2.35	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	c4	516	CLA	C3B-C4B	2.35	1.49	1.42
14	S	510	CLA	C3B-C4B	2.35	1.49	1.42
14	i	509	CLA	C3B-C4B	2.35	1.49	1.42
14	cB	1213	CLA	C3B-C4B	2.35	1.49	1.42
14	q	505	CLA	C3B-C4B	2.35	1.49	1.42
14	k	519	CLA	CHC-C1C	2.35	1.43	1.38
14	a6	513	CLA	C3B-C4B	2.35	1.49	1.42
14	bA	1105	CLA	C3B-C4B	2.35	1.49	1.42
14	bA	1111	CLA	C3B-C4B	2.35	1.49	1.42
14	S	501	CLA	C3B-C4B	2.35	1.49	1.42
14	Z	511	CLA	C3B-C4B	2.35	1.49	1.42
14	c	513	CLA	C3B-C4B	2.35	1.49	1.42
14	l	513	CLA	C3B-C4B	2.35	1.49	1.42
14	bB	1210	CLA	C3B-C4B	2.35	1.49	1.42
14	cB	1222	CLA	C3B-C4B	2.35	1.49	1.42
14	c2	511	CLA	C3B-C4B	2.35	1.49	1.42
14	g	511	CLA	C3B-C4B	2.35	1.49	1.42
14	l	510	CLA	C3B-C4B	2.35	1.49	1.42
14	b5	517	CLA	C3B-C4B	2.35	1.49	1.42
14	q	511	CLA	C3B-C4B	2.35	1.49	1.42
14	a6	508	CLA	CHC-C1C	2.35	1.43	1.38
14	X	506	CLA	C3B-C4B	2.35	1.49	1.42
14	aB	1224	CLA	C3B-C4B	2.34	1.49	1.42
14	a1	505	CLA	C3B-C4B	2.34	1.49	1.42
14	a3	506	CLA	C3B-C4B	2.34	1.49	1.42
14	h	518	CLA	C3B-C4B	2.34	1.49	1.42
14	o	510	CLA	C3B-C4B	2.34	1.49	1.42
14	aA	1106	CLA	CHC-C1C	2.34	1.43	1.38
14	aA	1118	CLA	C3B-C4B	2.34	1.49	1.42
14	a6	510	CLA	C3B-C4B	2.34	1.49	1.42
14	bA	1112	CLA	C3B-C4B	2.34	1.49	1.42
14	b5	506	CLA	C3B-C4B	2.34	1.49	1.42
14	i	518	CLA	C3B-C4B	2.34	1.49	1.42
14	m	511	CLA	C3B-C4B	2.34	1.49	1.42
14	o	509	CLA	C3B-C4B	2.34	1.49	1.42
14	c2	506	CLA	CHC-C1C	2.34	1.43	1.38
14	m	519	CLA	CHC-C1C	2.34	1.43	1.38
14	b3	503	CLA	C3B-C4B	2.34	1.49	1.42
14	Y	511	CLA	C3B-C4B	2.34	1.49	1.42
14	aB	1226	CLA	CMB-C2B	-2.34	1.46	1.50
14	c4	519	CLA	CHC-C1C	2.34	1.43	1.38
14	a5	511	CLA	C3B-C4B	2.34	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b5	511	CLA	C3B-C4B	2.34	1.49	1.42
14	Z	518	CLA	C3B-C4B	2.34	1.49	1.42
14	g	510	CLA	C3B-C4B	2.34	1.49	1.42
14	h	511	CLA	C3B-C4B	2.34	1.49	1.42
14	m	503	CLA	C3B-C4B	2.34	1.49	1.42
14	cB	1012	CLA	CHC-C1C	2.34	1.43	1.38
14	a4	506	CLA	C3B-C4B	2.34	1.49	1.42
15	cA	2001	PQN	C9-C10	2.34	1.43	1.39
14	o	503	CLA	C3B-C4B	2.34	1.49	1.42
14	aA	1120	CLA	C3B-C4B	2.34	1.49	1.42
14	a6	519	CLA	C3B-C4B	2.34	1.49	1.42
14	b3	517	CLA	C3B-C4B	2.34	1.49	1.42
14	b4	517	CLA	CHC-C1C	2.34	1.43	1.38
14	b4	518	CLA	C3B-C4B	2.34	1.49	1.42
14	Y	516	CLA	C3B-C4B	2.34	1.49	1.42
14	m	505	CLA	C3B-C4B	2.34	1.49	1.42
14	aA	1139	CLA	CHC-C1C	2.34	1.43	1.38
14	bA	1139	CLA	CHC-C1C	2.34	1.43	1.38
14	aL	1503	CLA	C3B-C4B	2.34	1.49	1.42
14	cB	1228	CLA	C3B-C4B	2.34	1.49	1.42
14	T	507	CLA	C3B-C4B	2.34	1.49	1.42
14	Y	518	CLA	C3B-C4B	2.34	1.49	1.42
14	m	518	CLA	C3B-C4B	2.34	1.49	1.42
14	bA	1138	CLA	CHC-C1C	2.34	1.43	1.38
14	a2	519	CLA	C3B-C4B	2.34	1.49	1.42
14	cA	1113	CLA	C3B-C4B	2.34	1.49	1.42
14	c2	510	CLA	C3B-C4B	2.34	1.49	1.42
14	c	511	CLA	C3B-C4B	2.34	1.49	1.42
14	cA	1128	CLA	CMB-C2B	-2.34	1.46	1.50
14	bB	1214	CLA	CHC-C1C	2.34	1.43	1.38
14	b2	503	CLA	C3B-C4B	2.34	1.49	1.42
14	c3	503	CLA	C3B-C4B	2.34	1.49	1.42
14	T	519	CLA	C3B-C4B	2.34	1.49	1.42
14	j	518	CLA	C3B-C4B	2.34	1.49	1.42
14	a5	504	CLA	C3B-C4B	2.34	1.49	1.42
14	c2	504	CLA	C3B-C4B	2.34	1.49	1.42
14	bA	1013	CLA	C3B-C4B	2.34	1.49	1.42
14	b	505	CLA	C3B-C4B	2.34	1.49	1.42
14	c	519	CLA	C3B-C4B	2.34	1.49	1.42
14	o	511	CLA	C3B-C4B	2.34	1.49	1.42
14	cA	1115	CLA	C3B-C4B	2.34	1.49	1.42
14	cA	1119	CLA	C3B-C4B	2.34	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	cA	1122	CLA	C3B-C4B	2.34	1.49	1.42
14	c2	503	CLA	C3B-C4B	2.34	1.49	1.42
14	X	511	CLA	C3B-C4B	2.34	1.49	1.42
14	h	513	CLA	C3B-C4B	2.34	1.49	1.42
14	h	508	CLA	CHC-C1C	2.34	1.43	1.38
14	a2	513	CLA	C3B-C4B	2.34	1.49	1.42
14	V	510	CLA	C3B-C4B	2.34	1.49	1.42
14	a	510	CLA	C3B-C4B	2.34	1.49	1.42
14	c1	503	CLA	C3B-C4B	2.34	1.49	1.42
14	c4	504	CLA	C3B-C4B	2.34	1.49	1.42
14	V	518	CLA	C3B-C4B	2.34	1.49	1.42
14	Y	519	CLA	C3B-C4B	2.34	1.49	1.42
14	k	506	CLA	C3B-C4B	2.34	1.49	1.42
14	c2	519	CLA	CHC-C1C	2.34	1.43	1.38
14	i	508	CLA	CHC-C1C	2.34	1.43	1.38
14	aA	1126	CLA	C3B-C4B	2.34	1.49	1.42
14	b3	511	CLA	C3B-C4B	2.34	1.49	1.42
14	b4	516	CLA	C3B-C4B	2.34	1.49	1.42
14	b5	504	CLA	C3B-C4B	2.34	1.49	1.42
14	p	506	CLA	C3B-C4B	2.34	1.49	1.42
14	b	513	CLA	CHC-C1C	2.34	1.43	1.38
14	a1	509	CLA	C3B-C4B	2.34	1.49	1.42
14	a	518	CLA	C3B-C4B	2.34	1.49	1.42
14	aA	1127	CLA	C3B-C4B	2.34	1.49	1.42
14	bA	1117	CLA	C3B-C4B	2.34	1.49	1.42
14	bB	1208	CLA	C3B-C4B	2.34	1.49	1.42
14	c1	513	CLA	C3B-C4B	2.34	1.49	1.42
14	a	511	CLA	C3B-C4B	2.34	1.49	1.42
14	bA	1134	CLA	CHC-C1C	2.34	1.43	1.38
14	c3	511	CLA	CHC-C1C	2.34	1.43	1.38
14	g	501	CLA	CHC-C1C	2.34	1.43	1.38
14	o	508	CLA	CHC-C1C	2.34	1.43	1.38
14	a5	513	CLA	C3B-C4B	2.34	1.49	1.42
14	bJ	1303	CLA	C3B-C4B	2.34	1.49	1.42
14	d	511	CLA	C3B-C4B	2.34	1.49	1.42
14	p	518	CLA	C3B-C4B	2.34	1.49	1.42
14	l	506	CLA	C3B-C4B	2.34	1.49	1.42
14	p	513	CLA	C3B-C4B	2.34	1.49	1.42
14	aA	1801	CLA	C3B-C4B	2.34	1.49	1.42
14	aB	1205	CLA	C3B-C4B	2.34	1.49	1.42
14	a4	516	CLA	C3B-C4B	2.34	1.49	1.42
14	b4	511	CLA	C3B-C4B	2.34	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	c3	513	CLA	C3B-C4B	2.34	1.49	1.42
14	W	503	CLA	C3B-C4B	2.34	1.49	1.42
14	bA	1130	CLA	C3B-C4B	2.34	1.49	1.42
14	b2	504	CLA	C3B-C4B	2.34	1.49	1.42
14	b5	516	CLA	C3B-C4B	2.34	1.49	1.42
14	c2	518	CLA	C3B-C4B	2.34	1.49	1.42
14	U	510	CLA	C3B-C4B	2.34	1.49	1.42
14	i	511	CLA	C3B-C4B	2.34	1.49	1.42
14	cL	1502	CLA	CHC-C1C	2.34	1.43	1.38
14	c6	516	CLA	C3B-C4B	2.34	1.49	1.42
14	q	509	CLA	C3B-C4B	2.34	1.49	1.42
14	aA	1131	CLA	C3B-C4B	2.34	1.49	1.42
14	a1	511	CLA	C3B-C4B	2.34	1.49	1.42
14	n	513	CLA	C3B-C4B	2.34	1.49	1.42
14	b2	519	CLA	CHC-C1C	2.34	1.43	1.38
14	S	513	CLA	CHC-C1C	2.34	1.43	1.38
14	l	513	CLA	CHC-C1C	2.34	1.43	1.38
14	a3	510	CLA	C3B-C4B	2.34	1.49	1.42
14	b	503	CLA	C3B-C4B	2.34	1.49	1.42
14	bA	1108	CLA	CHC-C1C	2.34	1.43	1.38
14	W	518	CLA	CHC-C1C	2.34	1.43	1.38
14	aJ	1303	CLA	C3B-C4B	2.34	1.49	1.42
14	bA	1108	CLA	C3B-C4B	2.34	1.49	1.42
14	c5	509	CLA	C3B-C4B	2.34	1.49	1.42
14	c5	511	CLA	C3B-C4B	2.34	1.49	1.42
14	b	518	CLA	C3B-C4B	2.34	1.49	1.42
14	e	505	CLA	C3B-C4B	2.34	1.49	1.42
14	l	504	CLA	C3B-C4B	2.34	1.49	1.42
14	b5	519	CLA	CHC-C1C	2.33	1.43	1.38
14	b4	505	CLA	C3B-C4B	2.33	1.49	1.42
14	cA	1112	CLA	C3B-C4B	2.33	1.49	1.42
14	cB	1224	CLA	C3B-C4B	2.33	1.49	1.42
14	W	510	CLA	C3B-C4B	2.33	1.49	1.42
14	f	503	CLA	C3B-C4B	2.33	1.49	1.42
14	f	506	CLA	C3B-C4B	2.33	1.49	1.42
14	f	511	CLA	C3B-C4B	2.33	1.49	1.42
14	k	518	CLA	C3B-C4B	2.33	1.49	1.42
14	l	518	CLA	C3B-C4B	2.33	1.49	1.42
14	cB	1202	CLA	C3B-C4B	2.33	1.49	1.42
14	cB	1239	CLA	C3B-C4B	2.33	1.49	1.42
14	U	518	CLA	C3B-C4B	2.33	1.49	1.42
14	c6	516	CLA	CHC-C1C	2.33	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	e	519	CLA	C3B-C4B	2.33	1.49	1.42
14	j	503	CLA	C3B-C4B	2.33	1.49	1.42
14	aA	1103	CLA	C3B-C4B	2.33	1.49	1.42
14	aB	1220	CLA	C3B-C4B	2.33	1.49	1.42
14	X	503	CLA	C3B-C4B	2.33	1.49	1.42
14	a3	513	CLA	CHC-C1C	2.33	1.43	1.38
14	bA	1124	CLA	CHC-C1C	2.33	1.43	1.38
14	j	506	CLA	C3B-C4B	2.33	1.49	1.42
14	l	511	CLA	C3B-C4B	2.33	1.49	1.42
14	aA	1124	CLA	CHC-C1C	2.33	1.43	1.38
14	aK	1401	CLA	CHC-C1C	2.33	1.43	1.38
14	cA	1112	CLA	CHC-C1C	2.33	1.43	1.38
14	aB	1217	CLA	C3B-C4B	2.33	1.49	1.42
14	T	506	CLA	C3B-C4B	2.33	1.49	1.42
14	f	509	CLA	C3B-C4B	2.33	1.49	1.42
14	g	503	CLA	C3B-C4B	2.33	1.49	1.42
14	b1	505	CLA	C3B-C4B	2.33	1.49	1.42
14	c5	518	CLA	C3B-C4B	2.33	1.49	1.42
14	f	508	CLA	CHC-C1C	2.33	1.43	1.38
14	o	513	CLA	CHC-C1C	2.33	1.43	1.38
14	bB	1202	CLA	C3B-C4B	2.33	1.49	1.42
14	U	519	CLA	C3B-C4B	2.33	1.49	1.42
14	Y	505	CLA	C3B-C4B	2.33	1.49	1.42
14	k	505	CLA	C3B-C4B	2.33	1.49	1.42
14	cA	1106	CLA	CHC-C1C	2.33	1.43	1.38
14	c6	511	CLA	C3B-C4B	2.33	1.49	1.42
14	W	519	CLA	C3B-C4B	2.33	1.49	1.42
14	b3	505	CLA	C3B-C4B	2.33	1.49	1.42
14	a3	516	CLA	C3B-C4B	2.33	1.49	1.42
14	a4	510	CLA	C3B-C4B	2.33	1.49	1.42
14	bK	1401	CLA	CHC-C1C	2.33	1.43	1.38
14	cA	1125	CLA	CHC-C1C	2.33	1.43	1.38
14	bL	1502	CLA	C3B-C4B	2.33	1.49	1.42
14	cA	1127	CLA	C3B-C4B	2.33	1.49	1.42
14	Y	513	CLA	C3B-C4B	2.33	1.49	1.42
14	a	503	CLA	C3B-C4B	2.33	1.49	1.42
14	a	509	CLA	C3B-C4B	2.33	1.49	1.42
14	b3	504	CLA	CHC-C1C	2.33	1.43	1.38
14	T	513	CLA	CHC-C1C	2.33	1.43	1.38
14	k	513	CLA	CHC-C1C	2.33	1.43	1.38
14	g	506	CLA	C3B-C4B	2.33	1.49	1.42
14	bB	1215	CLA	C3B-C4B	2.33	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	cA	1118	CLA	C3B-C4B	2.33	1.49	1.42
14	W	513	CLA	C3B-C4B	2.33	1.49	1.42
14	a	513	CLA	C3B-C4B	2.33	1.49	1.42
14	cB	1221	CLA	C3B-C4B	2.33	1.49	1.42
14	c6	505	CLA	C3B-C4B	2.33	1.49	1.42
14	T	508	CLA	C3B-C4B	2.33	1.49	1.42
14	o	518	CLA	C3B-C4B	2.33	1.49	1.42
14	bB	1208	CLA	CHC-C1C	2.33	1.43	1.38
14	cB	1208	CLA	CHC-C1C	2.33	1.43	1.38
14	q	513	CLA	CHC-C1C	2.33	1.43	1.38
14	b2	511	CLA	C3B-C4B	2.33	1.49	1.42
14	i	513	CLA	C3B-C4B	2.33	1.49	1.42
14	bA	1131	CLA	C3B-C4B	2.33	1.49	1.42
14	U	511	CLA	C3B-C4B	2.33	1.49	1.42
14	q	518	CLA	C3B-C4B	2.33	1.49	1.42
14	cB	1231	CLA	CHC-C1C	2.33	1.43	1.38
14	q	519	CLA	CHC-C1C	2.33	1.43	1.38
14	c5	505	CLA	C3B-C4B	2.33	1.49	1.42
14	Y	510	CLA	C3B-C4B	2.33	1.49	1.42
14	b6	516	CLA	CHC-C1C	2.33	1.43	1.38
14	cB	1233	CLA	CHC-C1C	2.33	1.43	1.38
14	cB	1235	CLA	CHC-C1C	2.33	1.43	1.38
14	c3	519	CLA	CHC-C1C	2.33	1.43	1.38
14	W	508	CLA	CHC-C1C	2.33	1.43	1.38
14	m	513	CLA	CHC-C1C	2.33	1.43	1.38
14	bB	1205	CLA	C3B-C4B	2.33	1.49	1.42
14	b5	505	CLA	C3B-C4B	2.33	1.49	1.42
14	aA	1123	CLA	C3B-C4B	2.33	1.49	1.42
14	a5	506	CLA	C3B-C4B	2.33	1.49	1.42
14	T	518	CLA	C3B-C4B	2.33	1.49	1.42
14	X	510	CLA	C3B-C4B	2.33	1.49	1.42
14	d	518	CLA	C3B-C4B	2.33	1.49	1.42
14	aL	1503	CLA	CHC-C1C	2.33	1.43	1.38
14	V	516	CLA	CHC-C1C	2.33	1.43	1.38
14	p	508	CLA	CHC-C1C	2.33	1.43	1.38
14	aA	1105	CLA	C3B-C4B	2.33	1.49	1.42
14	cB	1203	CLA	C3B-C4B	2.33	1.49	1.42
14	cB	1223	CLA	C3B-C4B	2.33	1.49	1.42
14	cB	1238	CLA	C3B-C4B	2.33	1.49	1.42
14	W	505	CLA	C3B-C4B	2.33	1.49	1.42
14	n	519	CLA	CHC-C1C	2.33	1.43	1.38
14	a1	506	CLA	C3B-C4B	2.33	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	cA	1103	CLA	C3B-C4B	2.33	1.49	1.42
14	a4	511	CLA	CHC-C1C	2.33	1.43	1.38
14	aA	1112	CLA	C3B-C4B	2.33	1.49	1.42
14	bA	1120	CLA	C3B-C4B	2.33	1.49	1.42
14	bA	1801	CLA	C3B-C4B	2.33	1.49	1.42
14	b2	506	CLA	C3B-C4B	2.33	1.49	1.42
14	cA	1801	CLA	C3B-C4B	2.33	1.49	1.42
14	cB	1225	CLA	C3B-C4B	2.33	1.49	1.42
14	p	510	CLA	C3B-C4B	2.33	1.49	1.42
14	cA	1111	CLA	C3B-C4B	2.33	1.49	1.42
14	a1	513	CLA	CHC-C1C	2.33	1.43	1.38
14	b1	513	CLA	CHC-C1C	2.33	1.43	1.38
14	S	516	CLA	CHC-C1C	2.33	1.43	1.38
14	cA	1108	CLA	C3B-C4B	2.33	1.49	1.42
14	U	505	CLA	C3B-C4B	2.33	1.49	1.42
14	d	510	CLA	C3B-C4B	2.33	1.49	1.42
14	j	510	CLA	C3B-C4B	2.33	1.49	1.42
14	q	503	CLA	C3B-C4B	2.33	1.49	1.42
14	W	513	CLA	CHC-C1C	2.33	1.43	1.38
14	e	519	CLA	CHC-C1C	2.33	1.43	1.38
14	aB	1215	CLA	C3B-C4B	2.33	1.49	1.42
14	cB	1215	CLA	C3B-C4B	2.33	1.49	1.42
14	b	513	CLA	C3B-C4B	2.33	1.49	1.42
14	a3	503	CLA	C3B-C4B	2.33	1.49	1.42
14	bB	1233	CLA	C3B-C4B	2.33	1.49	1.42
14	b1	510	CLA	C3B-C4B	2.33	1.49	1.42
14	n	516	CLA	C3B-C4B	2.33	1.49	1.42
14	o	517	CLA	C3B-C4B	2.33	1.49	1.42
14	aA	1113	CLA	CHC-C1C	2.33	1.43	1.38
14	a2	504	CLA	C3B-C4B	2.32	1.49	1.42
14	cL	1502	CLA	C3B-C4B	2.32	1.49	1.42
14	c3	516	CLA	C3B-C4B	2.32	1.49	1.42
14	b4	505	CLA	CHC-C1C	2.32	1.43	1.38
14	n	501	CLA	CHC-C1C	2.32	1.43	1.38
14	bA	1126	CLA	C3B-C4B	2.32	1.49	1.42
14	e	511	CLA	C3B-C4B	2.32	1.49	1.42
14	f	505	CLA	C3B-C4B	2.32	1.49	1.42
14	g	505	CLA	C3B-C4B	2.32	1.49	1.42
14	a6	511	CLA	C3B-C4B	2.32	1.49	1.42
14	cA	1120	CLA	C3B-C4B	2.32	1.49	1.42
14	c4	506	CLA	C3B-C4B	2.32	1.49	1.42
14	bA	1106	CLA	CHC-C1C	2.32	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	bB	1228	CLA	C3B-C4B	2.32	1.49	1.42
14	cA	1128	CLA	C3B-C4B	2.32	1.49	1.42
14	c4	510	CLA	CHC-C1C	2.32	1.43	1.38
14	U	508	CLA	CHC-C1C	2.32	1.43	1.38
14	a2	509	CLA	C3B-C4B	2.32	1.49	1.42
14	b2	518	CLA	C3B-C4B	2.32	1.49	1.42
14	b3	516	CLA	C3B-C4B	2.32	1.49	1.42
14	c3	506	CLA	C3B-C4B	2.32	1.49	1.42
14	b	507	CLA	C3B-C4B	2.32	1.49	1.42
14	aA	1127	CLA	CHC-C1C	2.32	1.43	1.38
14	a4	513	CLA	CHC-C1C	2.32	1.43	1.38
14	W	501	CLA	CHC-C1C	2.32	1.43	1.38
14	n	513	CLA	CHC-C1C	2.32	1.43	1.38
14	bB	1213	CLA	C3B-C4B	2.32	1.49	1.42
14	h	503	CLA	C3B-C4B	2.32	1.49	1.42
14	m	510	CLA	C3B-C4B	2.32	1.49	1.42
14	aA	1104	CLA	CHC-C1C	2.32	1.43	1.38
14	cA	1106	CLA	C3B-C4B	2.32	1.49	1.42
14	Y	513	CLA	CHC-C1C	2.32	1.43	1.38
14	a3	513	CLA	C3B-C4B	2.32	1.49	1.42
14	c4	511	CLA	C3B-C4B	2.32	1.49	1.42
14	b	506	CLA	C3B-C4B	2.32	1.49	1.42
14	d	506	CLA	C3B-C4B	2.32	1.49	1.42
14	f	510	CLA	C3B-C4B	2.32	1.49	1.42
14	p	516	CLA	C3B-C4B	2.32	1.49	1.42
14	bA	1136	CLA	CHC-C1C	2.32	1.43	1.38
14	b	508	CLA	CHC-C1C	2.32	1.43	1.38
14	U	503	CLA	C3B-C4B	2.32	1.49	1.42
14	bB	1212	CLA	CHC-C1C	2.32	1.43	1.38
14	b2	504	CLA	CHC-C1C	2.32	1.43	1.38
14	cB	1229	CLA	CHC-C1C	2.32	1.43	1.38
14	c6	513	CLA	CHC-C1C	2.32	1.43	1.38
14	j	511	CLA	CHC-C1C	2.32	1.43	1.38
14	aB	1203	CLA	C3B-C4B	2.32	1.49	1.42
14	bB	1223	CLA	C3B-C4B	2.32	1.49	1.42
14	Z	519	CLA	C3B-C4B	2.32	1.49	1.42
14	bB	1226	CLA	CMB-C2B	-2.32	1.46	1.50
14	a2	511	CLA	C3B-C4B	2.32	1.49	1.42
14	bB	1221	CLA	C3B-C4B	2.32	1.49	1.42
14	h	509	CLA	C3B-C4B	2.32	1.49	1.42
14	o	506	CLA	C3B-C4B	2.32	1.49	1.42
14	p	502	CLA	C3B-C4B	2.32	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	S	503	CLA	CHC-C1C	2.32	1.43	1.38
14	j	508	CLA	CHC-C1C	2.32	1.43	1.38
14	j	513	CLA	CHC-C1C	2.32	1.43	1.38
14	aA	1122	CLA	C3B-C4B	2.32	1.49	1.42
14	a2	505	CLA	C3B-C4B	2.32	1.49	1.42
14	b3	519	CLA	C3B-C4B	2.32	1.49	1.42
14	b5	509	CLA	C3B-C4B	2.32	1.49	1.42
14	c4	505	CLA	C3B-C4B	2.32	1.49	1.42
14	X	505	CLA	C3B-C4B	2.32	1.49	1.42
14	d	519	CLA	C3B-C4B	2.32	1.49	1.42
14	p	505	CLA	C3B-C4B	2.32	1.49	1.42
14	bA	1115	CLA	C3B-C4B	2.32	1.49	1.42
14	U	506	CLA	C3B-C4B	2.32	1.49	1.42
14	aA	1108	CLA	C3B-C4B	2.32	1.49	1.42
14	bB	1220	CLA	CHC-C1C	2.32	1.43	1.38
14	cJ	1302	CLA	CHC-C1C	2.32	1.43	1.38
14	cL	1503	CLA	CHC-C1C	2.32	1.43	1.38
14	n	517	CLA	CHC-C1C	2.32	1.43	1.38
14	c	505	CLA	C3B-C4B	2.32	1.49	1.42
14	cB	1226	CLA	CMB-C2B	-2.32	1.46	1.50
14	aB	1234	CLA	C3B-C4B	2.32	1.49	1.42
14	b1	506	CLA	C3B-C4B	2.32	1.49	1.42
14	b3	506	CLA	C3B-C4B	2.32	1.49	1.42
14	m	507	CLA	C3B-C4B	2.32	1.49	1.42
14	aB	1208	CLA	CHC-C1C	2.32	1.43	1.38
14	bA	1125	CLA	CHC-C1C	2.32	1.43	1.38
14	bA	1118	CLA	C3B-C4B	2.32	1.49	1.42
18	aA	5003	LHG	O7-C5	-2.32	1.41	1.46
14	a1	518	CLA	C3B-C4B	2.32	1.49	1.42
14	a2	510	CLA	C3B-C4B	2.32	1.49	1.42
14	b4	510	CLA	C3B-C4B	2.32	1.49	1.42
14	U	502	CLA	C3B-C4B	2.32	1.49	1.42
14	V	505	CLA	C3B-C4B	2.32	1.49	1.42
14	a	506	CLA	C3B-C4B	2.32	1.49	1.42
14	b3	510	CLA	CHC-C1C	2.32	1.43	1.38
14	c6	508	CLA	CHC-C1C	2.32	1.43	1.38
14	V	517	CLA	CHC-C1C	2.32	1.43	1.38
14	f	513	CLA	CHC-C1C	2.32	1.43	1.38
14	c4	513	CLA	CHC-C1C	2.32	1.43	1.38
14	aB	1204	CLA	C3B-C4B	2.32	1.49	1.42
14	d	505	CLA	C3B-C4B	2.32	1.49	1.42
14	aB	1233	CLA	C3B-C4B	2.32	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a1	510	CLA	C3B-C4B	2.32	1.49	1.42
14	b2	501	CLA	C3B-C4B	2.32	1.49	1.42
14	c	507	CLA	C3B-C4B	2.32	1.49	1.42
14	bB	1205	CLA	CHC-C1C	2.32	1.43	1.38
14	k	518	CLA	CHC-C1C	2.32	1.43	1.38
14	cA	1123	CLA	C3B-C4B	2.32	1.49	1.42
14	n	511	CLA	C3B-C4B	2.32	1.49	1.42
14	n	518	CLA	C3B-C4B	2.32	1.49	1.42
14	d	508	CLA	CHC-C1C	2.32	1.43	1.38
14	q	508	CLA	CHC-C1C	2.32	1.43	1.38
14	q	516	CLA	CHC-C1C	2.32	1.43	1.38
14	aB	1021	CLA	C3B-C4B	2.32	1.49	1.42
14	cA	1105	CLA	C3B-C4B	2.32	1.49	1.42
14	cB	1217	CLA	C3B-C4B	2.32	1.49	1.42
14	c3	505	CLA	C3B-C4B	2.32	1.49	1.42
14	a3	511	CLA	CHC-C1C	2.32	1.43	1.38
14	cB	1220	CLA	CHC-C1C	2.32	1.43	1.38
14	p	511	CLA	CHC-C1C	2.32	1.43	1.38
14	bA	1237	CLA	C3B-C4B	2.32	1.49	1.42
14	bB	1204	CLA	C3B-C4B	2.32	1.49	1.42
14	c2	505	CLA	C3B-C4B	2.32	1.49	1.42
14	c2	516	CLA	C3B-C4B	2.32	1.49	1.42
14	b1	516	CLA	CHC-C1C	2.32	1.43	1.38
14	bB	1203	CLA	C3B-C4B	2.32	1.49	1.42
14	c6	510	CLA	C3B-C4B	2.32	1.49	1.42
14	i	510	CLA	C3B-C4B	2.32	1.49	1.42
14	bA	1104	CLA	C3B-C4B	2.32	1.49	1.42
14	a3	506	CLA	CHC-C1C	2.32	1.43	1.38
14	Z	508	CLA	CHC-C1C	2.32	1.43	1.38
14	f	501	CLA	CHC-C1C	2.32	1.43	1.38
14	bA	1128	CLA	CMB-C2B	-2.31	1.46	1.50
14	b1	511	CLA	C3B-C4B	2.31	1.49	1.42
14	b6	505	CLA	C3B-C4B	2.31	1.49	1.42
14	bA	1113	CLA	CHC-C1C	2.31	1.43	1.38
14	b1	508	CLA	CHC-C1C	2.31	1.43	1.38
14	b4	504	CLA	CHC-C1C	2.31	1.43	1.38
14	c1	517	CLA	CHC-C1C	2.31	1.43	1.38
14	Y	508	CLA	CHC-C1C	2.31	1.43	1.38
14	g	511	CLA	CHC-C1C	2.31	1.43	1.38
14	m	516	CLA	CHC-C1C	2.31	1.43	1.38
14	a1	503	CLA	C3B-C4B	2.31	1.49	1.42
14	a2	516	CLA	C3B-C4B	2.31	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	c6	506	CLA	C3B-C4B	2.31	1.49	1.42
14	c	510	CLA	C3B-C4B	2.31	1.49	1.42
14	aA	1112	CLA	CHC-C1C	2.31	1.43	1.38
14	g	517	CLA	CHC-C1C	2.31	1.43	1.38
14	aA	1129	CLA	C3B-C4B	2.31	1.49	1.42
14	c5	516	CLA	C3B-C4B	2.31	1.49	1.42
14	h	506	CLA	C3B-C4B	2.31	1.49	1.42
14	a5	519	CLA	C3B-C4B	2.31	1.49	1.42
14	c	516	CLA	CHC-C1C	2.31	1.43	1.38
14	j	516	CLA	CHC-C1C	2.31	1.43	1.38
14	b3	518	CLA	C3B-C4B	2.31	1.49	1.42
14	b6	516	CLA	C3B-C4B	2.31	1.49	1.42
14	cA	1131	CLA	C3B-C4B	2.31	1.49	1.42
14	c1	505	CLA	C3B-C4B	2.31	1.49	1.42
14	aA	1101	CLA	CHC-C1C	2.31	1.43	1.38
14	a5	504	CLA	CHC-C1C	2.31	1.43	1.38
14	cF	1301	CLA	CHC-C1C	2.31	1.43	1.38
14	q	510	CLA	CHC-C1C	2.31	1.43	1.38
14	Y	509	CLA	C3B-C4B	2.31	1.49	1.42
14	bB	1021	CLA	C3B-C4B	2.31	1.49	1.42
14	c	506	CLA	C3B-C4B	2.31	1.49	1.42
14	m	516	CLA	C3B-C4B	2.31	1.49	1.42
14	b2	508	CLA	CHC-C1C	2.31	1.43	1.38
14	X	501	CLA	CHC-C1C	2.31	1.43	1.38
14	bA	1129	CLA	C3B-C4B	2.31	1.49	1.42
14	c1	510	CLA	C3B-C4B	2.31	1.49	1.42
14	T	511	CLA	C3B-C4B	2.31	1.49	1.42
14	l	509	CLA	C3B-C4B	2.31	1.49	1.42
14	bB	1235	CLA	CHC-C1C	2.31	1.43	1.38
14	c4	518	CLA	C3B-C4B	2.31	1.49	1.42
14	e	506	CLA	C3B-C4B	2.31	1.49	1.42
14	m	506	CLA	C3B-C4B	2.31	1.49	1.42
14	V	501	CLA	CHC-C1C	2.31	1.43	1.38
14	bB	1217	CLA	C3B-C4B	2.31	1.49	1.42
14	a6	506	CLA	CHC-C1C	2.31	1.43	1.38
14	a6	513	CLA	CHC-C1C	2.31	1.43	1.38
14	U	513	CLA	CHC-C1C	2.31	1.43	1.38
14	b	518	CLA	CHC-C1C	2.31	1.43	1.38
14	X	519	CLA	C3B-C4B	2.31	1.49	1.42
14	l	517	CLA	C3B-C4B	2.31	1.49	1.42
14	bA	1110	CLA	CHC-C1C	2.31	1.43	1.38
14	bA	1122	CLA	CHC-C1C	2.31	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	aF	1301	CLA	CHC-C1C	2.31	1.43	1.38
14	bL	1503	CLA	CHC-C1C	2.31	1.43	1.38
14	cA	1104	CLA	CHC-C1C	2.31	1.43	1.38
14	cA	1124	CLA	CHC-C1C	2.31	1.43	1.38
14	cB	1205	CLA	C3B-C4B	2.31	1.49	1.42
14	Y	503	CLA	C3B-C4B	2.31	1.49	1.42
14	g	519	CLA	C3B-C4B	2.31	1.49	1.42
14	j	516	CLA	C3B-C4B	2.31	1.49	1.42
14	l	519	CLA	C3B-C4B	2.31	1.49	1.42
14	b2	511	CLA	CHC-C1C	2.31	1.43	1.38
14	W	511	CLA	CHC-C1C	2.31	1.43	1.38
14	k	501	CLA	CHC-C1C	2.31	1.43	1.38
14	aA	1105	CLA	CHC-C1C	2.31	1.43	1.38
14	cB	1224	CLA	CHC-C1C	2.31	1.43	1.38
14	c4	505	CLA	CHC-C1C	2.31	1.43	1.38
14	Z	516	CLA	CHC-C1C	2.31	1.43	1.38
14	a6	516	CLA	C3B-C4B	2.31	1.49	1.42
14	cA	1110	CLA	CHC-C1C	2.31	1.43	1.38
14	cA	1801	CLA	CHC-C1C	2.31	1.43	1.38
14	c5	513	CLA	CHC-C1C	2.31	1.43	1.38
14	Z	513	CLA	CHC-C1C	2.31	1.43	1.38
14	d	516	CLA	CHC-C1C	2.31	1.43	1.38
14	V	511	CLA	C3B-C4B	2.31	1.49	1.42
14	g	509	CLA	C3B-C4B	2.31	1.49	1.42
14	a6	509	CLA	C3B-C4B	2.31	1.49	1.42
14	b1	519	CLA	C3B-C4B	2.31	1.49	1.42
14	U	509	CLA	C3B-C4B	2.31	1.49	1.42
14	Y	506	CLA	C3B-C4B	2.31	1.49	1.42
14	h	505	CLA	C3B-C4B	2.31	1.49	1.42
14	b5	506	CLA	CHC-C1C	2.31	1.43	1.38
14	bA	1103	CLA	C3B-C4B	2.31	1.49	1.42
14	c6	509	CLA	C3B-C4B	2.31	1.49	1.42
14	k	503	CLA	C3B-C4B	2.31	1.49	1.42
14	a5	507	CLA	C3B-C4B	2.31	1.49	1.42
14	aL	1502	CLA	CHC-C1C	2.31	1.43	1.38
14	bA	1112	CLA	CHC-C1C	2.31	1.43	1.38
14	b5	504	CLA	CHC-C1C	2.31	1.43	1.38
14	a	511	CLA	CHC-C1C	2.31	1.43	1.38
14	e	518	CLA	CHC-C1C	2.31	1.43	1.38
14	b6	511	CLA	C3B-C4B	2.31	1.49	1.42
14	c2	502	CLA	C3B-C4B	2.31	1.49	1.42
14	c6	518	CLA	C3B-C4B	2.31	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	p	517	CLA	C3B-C4B	2.31	1.49	1.42
14	U	512	CLA	CMB-C2B	-2.31	1.46	1.50
14	a4	503	CLA	C3B-C4B	2.31	1.49	1.42
14	b5	510	CLA	C3B-C4B	2.31	1.49	1.42
14	p	507	CLA	C3B-C4B	2.31	1.49	1.42
14	cA	1116	CLA	CHC-C1C	2.31	1.43	1.38
14	S	511	CLA	CHC-C1C	2.31	1.43	1.38
14	W	519	CLA	CHC-C1C	2.31	1.43	1.38
14	bB	1220	CLA	C3B-C4B	2.31	1.49	1.42
14	bA	1126	CLA	CHC-C1C	2.31	1.43	1.38
14	b6	508	CLA	CHC-C1C	2.31	1.43	1.38
14	b6	518	CLA	CHC-C1C	2.31	1.43	1.38
14	i	503	CLA	C3B-C4B	2.31	1.49	1.42
14	aA	1138	CLA	CHC-C1C	2.31	1.43	1.38
14	c5	506	CLA	CHC-C1C	2.31	1.43	1.38
14	c6	511	CLA	CHC-C1C	2.31	1.43	1.38
14	b5	518	CLA	C3B-C4B	2.31	1.49	1.42
14	cB	1204	CLA	C3B-C4B	2.31	1.49	1.42
14	aB	1202	CLA	C3B-C4B	2.30	1.49	1.42
14	cB	1212	CLA	CHC-C1C	2.30	1.43	1.38
14	c	519	CLA	CHC-C1C	2.30	1.43	1.38
14	l	508	CLA	CHC-C1C	2.30	1.43	1.38
14	c1	506	CLA	C3B-C4B	2.30	1.49	1.42
14	b	510	CLA	C3B-C4B	2.30	1.49	1.42
14	aB	1225	CLA	CHC-C1C	2.30	1.43	1.38
14	aJ	1302	CLA	CHC-C1C	2.30	1.43	1.38
14	bB	1021	CLA	CHC-C1C	2.30	1.43	1.38
14	c3	518	CLA	C3B-C4B	2.30	1.49	1.42
14	bB	1224	CLA	C3B-C4B	2.30	1.49	1.42
14	aA	1119	CLA	CHC-C1C	2.30	1.43	1.38
14	aB	1220	CLA	CHC-C1C	2.30	1.43	1.38
14	bA	1140	CLA	CHC-C1C	2.30	1.43	1.38
14	bB	1209	CLA	CHC-C1C	2.30	1.43	1.38
14	c1	504	CLA	CHC-C1C	2.30	1.43	1.38
14	c2	513	CLA	CHC-C1C	2.30	1.43	1.38
14	h	503	CLA	CHC-C1C	2.30	1.43	1.38
14	cA	1126	CLA	C3B-C4B	2.30	1.49	1.42
14	cB	1209	CLA	CHC-C1C	2.30	1.43	1.38
14	V	513	CLA	CHC-C1C	2.30	1.43	1.38
14	U	519	CLA	CHC-C1C	2.30	1.43	1.38
14	o	504	CLA	CHC-C1C	2.30	1.43	1.38
14	aB	1223	CLA	C3B-C4B	2.30	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	f	518	CLA	C3B-C4B	2.30	1.49	1.42
14	q	519	CLA	C3B-C4B	2.30	1.49	1.42
14	c3	518	CLA	CHC-C1C	2.30	1.43	1.38
14	T	510	CLA	C3B-C4B	2.30	1.49	1.42
14	a1	504	CLA	CHC-C1C	2.30	1.43	1.38
14	cK	1401	CLA	CHC-C1C	2.30	1.43	1.38
14	bA	1122	CLA	C3B-C4B	2.30	1.49	1.42
14	aA	1117	CLA	CHC-C1C	2.30	1.43	1.38
14	bB	1229	CLA	CHC-C1C	2.30	1.43	1.38
14	aA	1129	CLA	CHC-C1C	2.30	1.43	1.38
14	i	519	CLA	CHC-C1C	2.30	1.43	1.38
14	q	504	CLA	CHC-C1C	2.30	1.43	1.38
14	aB	1238	CLA	C3B-C4B	2.30	1.49	1.42
14	a	505	CLA	C3B-C4B	2.30	1.49	1.42
14	a	519	CLA	C3B-C4B	2.30	1.49	1.42
14	g	507	CLA	C3B-C4B	2.30	1.49	1.42
14	cB	1216	CLA	C3B-C4B	2.30	1.49	1.42
14	aA	1140	CLA	CHC-C1C	2.30	1.43	1.38
14	X	504	CLA	CHC-C1C	2.30	1.43	1.38
14	h	501	CLA	CHC-C1C	2.30	1.43	1.38
14	i	501	CLA	CHC-C1C	2.30	1.43	1.38
14	i	518	CLA	CHC-C1C	2.30	1.43	1.38
14	a2	516	CLA	CHC-C1C	2.30	1.43	1.38
14	bB	1231	CLA	CHC-C1C	2.30	1.43	1.38
14	b6	512	CLA	CHC-C1C	2.30	1.43	1.38
14	h	511	CLA	CHC-C1C	2.30	1.43	1.38
14	cB	1021	CLA	C3B-C4B	2.30	1.49	1.42
14	aB	1213	CLA	CHC-C1C	2.30	1.43	1.38
14	bA	1130	CLA	CHC-C1C	2.30	1.43	1.38
14	T	501	CLA	CHC-C1C	2.30	1.43	1.38
14	d	519	CLA	CHC-C1C	2.30	1.43	1.38
14	n	518	CLA	CHC-C1C	2.30	1.43	1.38
14	c1	511	CLA	C3B-C4B	2.30	1.49	1.42
14	k	511	CLA	C3B-C4B	2.30	1.49	1.42
14	cA	1105	CLA	CHC-C1C	2.30	1.43	1.38
14	c3	504	CLA	CHC-C1C	2.30	1.43	1.38
14	i	513	CLA	CHC-C1C	2.30	1.43	1.38
14	o	509	CLA	CHC-C1C	2.30	1.43	1.38
14	bA	1123	CLA	C3B-C4B	2.30	1.49	1.42
14	b3	509	CLA	C3B-C4B	2.30	1.49	1.42
14	Z	505	CLA	C3B-C4B	2.30	1.49	1.42
14	a6	518	CLA	CHC-C1C	2.30	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	m	501	CLA	CHC-C1C	2.30	1.43	1.38
14	S	505	CLA	C3B-C4B	2.30	1.49	1.42
14	cB	1238	CLA	CHC-C1C	2.30	1.43	1.38
14	aB	1228	CLA	C3B-C4B	2.30	1.49	1.42
14	a5	518	CLA	C3B-C4B	2.30	1.49	1.42
14	U	504	CLA	C3B-C4B	2.30	1.49	1.42
14	a	513	CLA	CHC-C1C	2.30	1.43	1.38
14	c	501	CLA	CHC-C1C	2.30	1.43	1.38
14	b	511	CLA	C3B-C4B	2.30	1.49	1.42
14	aA	1125	CLA	CHC-C1C	2.30	1.43	1.38
14	b3	519	CLA	CHC-C1C	2.30	1.43	1.38
14	b4	508	CLA	CHC-C1C	2.30	1.43	1.38
14	c3	513	CLA	CHC-C1C	2.30	1.43	1.38
14	n	509	CLA	CHC-C1C	2.30	1.43	1.38
14	b	509	CLA	C3B-C4B	2.30	1.49	1.42
14	aA	1136	CLA	CHC-C1C	2.30	1.43	1.38
14	cA	1134	CLA	CHC-C1C	2.30	1.43	1.38
14	U	501	CLA	CHC-C1C	2.30	1.43	1.38
14	g	513	CLA	CHC-C1C	2.30	1.43	1.38
14	h	519	CLA	CHC-C1C	2.30	1.43	1.38
14	b2	513	CLA	C3B-C4B	2.30	1.49	1.42
14	Z	503	CLA	C3B-C4B	2.30	1.49	1.42
14	cA	1139	CLA	CHC-C1C	2.30	1.43	1.38
14	cB	1205	CLA	CHC-C1C	2.30	1.43	1.38
14	a	516	CLA	CHC-C1C	2.30	1.43	1.38
14	h	504	CLA	CHC-C1C	2.30	1.43	1.38
14	n	508	CLA	CHC-C1C	2.30	1.43	1.38
14	p	501	CLA	CHC-C1C	2.30	1.43	1.38
14	n	510	CLA	C3B-C4B	2.30	1.49	1.42
14	a5	516	CLA	C3B-C4B	2.29	1.49	1.42
14	b1	503	CLA	C3B-C4B	2.29	1.49	1.42
14	cL	1501	CLA	C3B-C4B	2.29	1.49	1.42
14	aB	1214	CLA	CHC-C1C	2.29	1.43	1.38
14	bA	1129	CLA	CHC-C1C	2.29	1.43	1.38
14	b4	516	CLA	CHC-C1C	2.29	1.43	1.38
14	c1	513	CLA	CHC-C1C	2.29	1.43	1.38
14	V	507	CLA	C3B-C4B	2.29	1.49	1.42
14	c	518	CLA	C3B-C4B	2.29	1.49	1.42
14	c5	501	CLA	CHC-C1C	2.29	1.43	1.38
14	T	505	CLA	CHC-C1C	2.29	1.43	1.38
14	Y	516	CLA	CHC-C1C	2.29	1.43	1.38
14	f	503	CLA	CHC-C1C	2.29	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	bA	1115	CLA	CHC-C1C	2.29	1.43	1.38
14	b4	506	CLA	CHC-C1C	2.29	1.43	1.38
14	c1	505	CLA	CHC-C1C	2.29	1.43	1.38
14	c2	508	CLA	CHC-C1C	2.29	1.43	1.38
14	Z	509	CLA	CHC-C1C	2.29	1.43	1.38
14	m	511	CLA	CHC-C1C	2.29	1.43	1.38
14	a3	509	CLA	C3B-C4B	2.29	1.49	1.42
14	cA	1237	CLA	C3B-C4B	2.29	1.49	1.42
14	k	507	CLA	C3B-C4B	2.29	1.49	1.42
14	a1	518	CLA	CHC-C1C	2.29	1.43	1.38
14	c3	508	CLA	CHC-C1C	2.29	1.43	1.38
14	bA	1011	CLA	C3B-C4B	2.29	1.49	1.42
14	i	516	CLA	CHC-C1C	2.29	1.43	1.38
14	bA	1128	CLA	C3B-C4B	2.29	1.49	1.42
14	b2	510	CLA	CHC-C1C	2.29	1.43	1.38
14	c5	504	CLA	CHC-C1C	2.29	1.43	1.38
14	o	501	CLA	CHC-C1C	2.29	1.43	1.38
18	bX	4021	LHG	O7-C5	-2.29	1.41	1.46
14	cA	1011	CLA	C3B-C4B	2.29	1.49	1.42
14	Z	509	CLA	C3B-C4B	2.29	1.49	1.42
14	aA	1108	CLA	CHC-C1C	2.29	1.43	1.38
14	cA	1138	CLA	CHC-C1C	2.29	1.43	1.38
14	a	501	CLA	CHC-C1C	2.29	1.43	1.38
14	e	511	CLA	CHC-C1C	2.29	1.43	1.38
14	n	502	CLA	C3B-C4B	2.29	1.49	1.42
14	a5	508	CLA	CHC-C1C	2.29	1.43	1.38
14	c2	510	CLA	CHC-C1C	2.29	1.43	1.38
14	h	516	CLA	CHC-C1C	2.29	1.43	1.38
14	o	511	CLA	CHC-C1C	2.29	1.43	1.38
14	a5	517	CLA	CHC-C1C	2.29	1.43	1.38
14	b4	511	CLA	CHC-C1C	2.29	1.43	1.38
14	c3	501	CLA	CHC-C1C	2.29	1.43	1.38
14	f	517	CLA	CHC-C1C	2.29	1.43	1.38
14	aA	1011	CLA	C3B-C4B	2.29	1.49	1.42
14	b1	510	CLA	CHC-C1C	2.29	1.43	1.38
14	V	511	CLA	CHC-C1C	2.29	1.43	1.38
14	Z	519	CLA	CHC-C1C	2.29	1.43	1.38
14	l	511	CLA	CHC-C1C	2.29	1.43	1.38
14	aA	1128	CLA	C3B-C4B	2.29	1.49	1.42
14	c3	510	CLA	C3B-C4B	2.29	1.49	1.42
14	aA	1022	CLA	C3B-C4B	2.29	1.49	1.42
14	cB	1227	CLA	C3B-C4B	2.29	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a3	508	CLA	CHC-C1C	2.29	1.43	1.38
14	cA	1115	CLA	CHC-C1C	2.29	1.43	1.38
14	c2	518	CLA	CHC-C1C	2.29	1.43	1.38
14	c	513	CLA	CHC-C1C	2.29	1.43	1.38
14	g	504	CLA	CHC-C1C	2.29	1.43	1.38
14	q	518	CLA	CHC-C1C	2.29	1.43	1.38
14	a2	502	CLA	C3B-C4B	2.29	1.49	1.42
14	b2	518	CLA	CHC-C1C	2.29	1.43	1.38
14	W	517	CLA	CHC-C1C	2.29	1.43	1.38
14	a	510	CLA	CHC-C1C	2.29	1.43	1.38
14	m	504	CLA	CHC-C1C	2.29	1.43	1.38
14	q	501	CLA	CHC-C1C	2.29	1.43	1.38
14	bB	1238	CLA	C3B-C4B	2.29	1.49	1.42
14	c	509	CLA	C3B-C4B	2.29	1.49	1.42
14	a2	511	CLA	CHC-C1C	2.29	1.43	1.38
14	bB	1233	CLA	CHC-C1C	2.29	1.43	1.38
14	k	505	CLA	CHC-C1C	2.29	1.43	1.38
14	b4	513	CLA	CHC-C1C	2.29	1.43	1.38
14	cA	1101	CLA	CHC-C1C	2.29	1.43	1.38
14	m	505	CLA	CHC-C1C	2.29	1.43	1.38
14	aA	1133	CLA	C3B-C4B	2.29	1.49	1.42
14	k	509	CLA	C3B-C4B	2.29	1.49	1.42
14	a5	510	CLA	CHC-C1C	2.29	1.43	1.38
14	bA	1801	CLA	CHC-C1C	2.29	1.43	1.38
14	b5	508	CLA	CHC-C1C	2.29	1.43	1.38
14	c3	503	CLA	CHC-C1C	2.29	1.43	1.38
14	c3	516	CLA	CHC-C1C	2.29	1.43	1.38
14	d	518	CLA	CHC-C1C	2.29	1.43	1.38
14	h	510	CLA	CHC-C1C	2.29	1.43	1.38
14	q	511	CLA	CHC-C1C	2.29	1.43	1.38
14	a6	504	CLA	C3B-C4B	2.29	1.49	1.42
14	b6	509	CLA	C3B-C4B	2.29	1.49	1.42
14	c3	510	CLA	CHC-C1C	2.29	1.43	1.38
14	m	506	CLA	CHC-C1C	2.29	1.43	1.38
14	b	502	CLA	C3B-C4B	2.29	1.49	1.42
14	bL	1501	CLA	C3B-C4B	2.29	1.49	1.42
14	b1	507	CLA	C3B-C4B	2.29	1.49	1.42
14	b2	505	CLA	C3B-C4B	2.29	1.49	1.42
14	aB	1205	CLA	CHC-C1C	2.29	1.43	1.38
14	aB	1221	CLA	CHC-C1C	2.29	1.43	1.38
14	a4	517	CLA	CHC-C1C	2.29	1.43	1.38
14	a6	503	CLA	CHC-C1C	2.29	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b2	501	CLA	CHC-C1C	2.29	1.43	1.38
14	b6	513	CLA	CHC-C1C	2.29	1.43	1.38
14	f	511	CLA	CHC-C1C	2.29	1.43	1.38
14	h	509	CLA	CHC-C1C	2.29	1.43	1.38
14	p	513	CLA	CHC-C1C	2.29	1.43	1.38
14	h	504	CLA	C3B-C4B	2.29	1.49	1.42
14	b4	519	CLA	CHC-C1C	2.29	1.43	1.38
14	b2	516	CLA	C3B-C4B	2.29	1.49	1.42
14	bX	1401	CLA	CHC-C1C	2.29	1.43	1.38
14	b3	511	CLA	CHC-C1C	2.29	1.43	1.38
14	b5	510	CLA	CHC-C1C	2.29	1.43	1.38
14	Z	518	CLA	CHC-C1C	2.29	1.43	1.38
14	j	505	CLA	CHC-C1C	2.29	1.43	1.38
14	a4	505	CLA	C3B-C4B	2.29	1.49	1.42
14	f	507	CLA	C3B-C4B	2.29	1.49	1.42
14	o	516	CLA	C3B-C4B	2.29	1.49	1.42
14	a2	517	CLA	CHC-C1C	2.29	1.43	1.38
14	b4	501	CLA	CHC-C1C	2.29	1.43	1.38
14	S	508	CLA	CHC-C1C	2.29	1.43	1.38
14	q	503	CLA	CHC-C1C	2.29	1.43	1.38
14	aB	1227	CLA	C3B-C4B	2.29	1.49	1.42
14	bA	1022	CLA	C3B-C4B	2.29	1.49	1.42
14	aA	1115	CLA	CHC-C1C	2.28	1.43	1.38
14	a4	506	CLA	CHC-C1C	2.28	1.43	1.38
14	c5	516	CLA	CHC-C1C	2.28	1.43	1.38
14	V	503	CLA	CHC-C1C	2.28	1.43	1.38
14	f	504	CLA	CHC-C1C	2.28	1.43	1.38
14	h	513	CLA	CHC-C1C	2.28	1.43	1.38
14	i	504	CLA	CHC-C1C	2.28	1.43	1.38
14	e	509	CLA	C3B-C4B	2.28	1.49	1.42
14	aA	1237	CLA	C3B-C4B	2.28	1.49	1.42
14	S	507	CLA	C3B-C4B	2.28	1.49	1.42
14	k	502	CLA	C3B-C4B	2.28	1.49	1.42
14	a4	519	CLA	CHC-C1C	2.28	1.43	1.38
14	cA	1126	CLA	CHC-C1C	2.28	1.43	1.38
14	a1	507	CLA	C3B-C4B	2.28	1.49	1.42
14	a2	506	CLA	CHC-C1C	2.28	1.43	1.38
14	T	519	CLA	CHC-C1C	2.28	1.43	1.38
14	p	518	CLA	CHC-C1C	2.28	1.43	1.38
14	cA	1129	CLA	C3B-C4B	2.28	1.49	1.42
14	S	506	CLA	C3B-C4B	2.28	1.49	1.42
14	c	502	CLA	C3B-C4B	2.28	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	aB	1202	CLA	CHC-C1C	2.28	1.43	1.38
14	a1	519	CLA	CHC-C1C	2.28	1.43	1.38
14	a2	513	CLA	CHC-C1C	2.28	1.43	1.38
14	bA	1111	CLA	CHC-C1C	2.28	1.43	1.38
14	Y	518	CLA	CHC-C1C	2.28	1.43	1.38
14	l	510	CLA	CHC-C1C	2.28	1.43	1.38
14	n	506	CLA	CHC-C1C	2.28	1.43	1.38
14	T	509	CLA	C3B-C4B	2.28	1.49	1.42
14	V	506	CLA	C3B-C4B	2.28	1.49	1.42
14	X	509	CLA	C3B-C4B	2.28	1.49	1.42
14	n	507	CLA	C3B-C4B	2.28	1.49	1.42
14	a6	510	CLA	CHC-C1C	2.28	1.43	1.38
14	cA	1130	CLA	CHC-C1C	2.28	1.43	1.38
14	d	511	CLA	CHC-C1C	2.28	1.43	1.38
14	p	504	CLA	CHC-C1C	2.28	1.43	1.38
14	aA	1126	CLA	CHC-C1C	2.28	1.43	1.38
14	aB	1212	CLA	CHC-C1C	2.28	1.43	1.38
14	b3	516	CLA	CHC-C1C	2.28	1.43	1.38
14	b6	510	CLA	CHC-C1C	2.28	1.43	1.38
14	aB	1216	CLA	C3B-C4B	2.28	1.49	1.42
14	cA	1022	CLA	C3B-C4B	2.28	1.49	1.42
14	b6	501	CLA	CHC-C1C	2.28	1.43	1.38
14	S	519	CLA	CHC-C1C	2.28	1.43	1.38
14	o	518	CLA	CHC-C1C	2.28	1.43	1.38
14	c5	508	CLA	CHC-C1C	2.28	1.43	1.38
14	V	510	CLA	CHC-C1C	2.28	1.43	1.38
14	Z	501	CLA	CHC-C1C	2.28	1.43	1.38
14	e	505	CLA	CHC-C1C	2.28	1.43	1.38
14	bA	1135	CLA	C3B-C4B	2.28	1.49	1.42
14	cA	1135	CLA	C3B-C4B	2.28	1.49	1.42
14	bB	1225	CLA	CHC-C1C	2.28	1.43	1.38
14	c2	511	CLA	CHC-C1C	2.28	1.43	1.38
14	X	519	CLA	CHC-C1C	2.28	1.43	1.38
14	e	513	CLA	CHC-C1C	2.28	1.43	1.38
14	bB	1230	CLA	C3B-C4B	2.28	1.49	1.42
14	bA	1101	CLA	CHC-C1C	2.28	1.43	1.38
14	bK	1103	CLA	CHC-C1C	2.28	1.43	1.38
14	S	518	CLA	CHC-C1C	2.28	1.43	1.38
14	W	510	CLA	CHC-C1C	2.28	1.43	1.38
14	a	508	CLA	CHC-C1C	2.28	1.43	1.38
14	c	505	CLA	CHC-C1C	2.28	1.43	1.38
14	b1	509	CLA	C3B-C4B	2.28	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b3	507	CLA	C3B-C4B	2.28	1.49	1.42
14	b1	517	CLA	CHC-C1C	2.28	1.43	1.38
14	c4	506	CLA	CHC-C1C	2.28	1.43	1.38
14	c4	511	CLA	CHC-C1C	2.28	1.43	1.38
14	U	503	CLA	CHC-C1C	2.28	1.43	1.38
14	b	501	CLA	CHC-C1C	2.28	1.43	1.38
14	o	517	CLA	CHC-C1C	2.28	1.43	1.38
14	a3	505	CLA	C3B-C4B	2.28	1.49	1.42
14	S	504	CLA	CHC-C1C	2.28	1.43	1.38
14	X	517	CLA	CHC-C1C	2.28	1.43	1.38
14	o	505	CLA	CHC-C1C	2.28	1.43	1.38
14	o	510	CLA	CHC-C1C	2.28	1.43	1.38
14	aB	1226	CLA	CMD-C2D	-2.28	1.46	1.50
14	c1	507	CLA	C3B-C4B	2.28	1.49	1.42
14	T	502	CLA	C3B-C4B	2.28	1.49	1.42
14	W	506	CLA	C3B-C4B	2.28	1.49	1.42
14	T	506	CLA	CHC-C1C	2.28	1.43	1.38
14	i	509	CLA	CHC-C1C	2.28	1.43	1.38
14	p	510	CLA	CHC-C1C	2.28	1.43	1.38
14	b	516	CLA	CHC-C1C	2.28	1.43	1.38
14	m	508	CLA	CHC-C1C	2.28	1.43	1.38
14	c4	509	CLA	C3B-C4B	2.28	1.49	1.42
14	aA	1110	CLA	CHC-C1C	2.28	1.43	1.38
14	a1	508	CLA	CHC-C1C	2.28	1.43	1.38
14	a6	501	CLA	CHC-C1C	2.28	1.43	1.38
14	bA	1121	CLA	CHC-C1C	2.28	1.43	1.38
14	b5	501	CLA	CHC-C1C	2.28	1.43	1.38
14	c6	512	CLA	CHC-C1C	2.28	1.43	1.38
14	X	506	CLA	CHC-C1C	2.28	1.43	1.38
14	d	501	CLA	CHC-C1C	2.28	1.43	1.38
14	e	504	CLA	CHC-C1C	2.28	1.43	1.38
14	j	506	CLA	CHC-C1C	2.28	1.43	1.38
14	j	502	CLA	C3B-C4B	2.28	1.49	1.42
14	bB	1216	CLA	C3B-C4B	2.28	1.49	1.42
14	a3	510	CLA	CHC-C1C	2.28	1.43	1.38
14	bB	1228	CLA	CHC-C1C	2.28	1.43	1.38
14	b6	517	CLA	CHC-C1C	2.28	1.43	1.38
14	c2	509	CLA	C3B-C4B	2.28	1.49	1.42
14	aB	1224	CLA	CHC-C1C	2.28	1.43	1.38
14	aB	1236	CLA	CHC-C1C	2.28	1.43	1.38
14	a6	512	CLA	CHC-C1C	2.28	1.43	1.38
14	b1	518	CLA	CHC-C1C	2.28	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	cB	1225	CLA	CHC-C1C	2.28	1.43	1.38
14	X	511	CLA	CHC-C1C	2.28	1.43	1.38
14	n	505	CLA	CHC-C1C	2.28	1.43	1.38
14	cA	1109	CLA	CHC-C1C	2.28	1.43	1.38
14	j	518	CLA	CHC-C1C	2.28	1.43	1.38
14	l	504	CLA	CHC-C1C	2.28	1.43	1.38
14	q	505	CLA	CHC-C1C	2.28	1.43	1.38
14	W	502	CLA	C3B-C4B	2.28	1.49	1.42
14	q	507	CLA	C3B-C4B	2.28	1.49	1.42
14	b5	513	CLA	CHC-C1C	2.28	1.43	1.38
14	cB	1213	CLA	CHC-C1C	2.28	1.43	1.38
14	c2	504	CLA	CHC-C1C	2.28	1.43	1.38
14	c4	516	CLA	CHC-C1C	2.28	1.43	1.38
14	bA	1133	CLA	C3B-C4B	2.28	1.49	1.42
14	bA	1132	CLA	C3B-C4B	2.28	1.49	1.42
14	a2	519	CLA	CHC-C1C	2.28	1.43	1.38
14	b2	513	CLA	CHC-C1C	2.28	1.43	1.38
14	cX	1401	CLA	CHC-C1C	2.28	1.43	1.38
14	c1	519	CLA	CHC-C1C	2.28	1.43	1.38
14	c5	510	CLA	CHC-C1C	2.28	1.43	1.38
14	T	518	CLA	CHC-C1C	2.28	1.43	1.38
14	aB	1206	CLA	C3B-C4B	2.27	1.49	1.42
14	a	507	CLA	C3B-C4B	2.27	1.49	1.42
14	o	512	CLA	C3B-C4B	2.27	1.49	1.42
14	cA	1129	CLA	CHC-C1C	2.27	1.43	1.38
14	V	504	CLA	CHC-C1C	2.27	1.43	1.38
14	X	513	CLA	CHC-C1C	2.27	1.43	1.38
14	Y	519	CLA	CHC-C1C	2.27	1.43	1.38
14	g	509	CLA	CHC-C1C	2.27	1.43	1.38
14	j	517	CLA	CHC-C1C	2.27	1.43	1.38
14	a4	510	CLA	CHC-C1C	2.27	1.43	1.38
14	b4	510	CLA	CHC-C1C	2.27	1.43	1.38
14	cA	1136	CLA	CHC-C1C	2.27	1.43	1.38
14	l	509	CLA	CHC-C1C	2.27	1.43	1.38
14	bA	1117	CLA	CHC-C1C	2.27	1.43	1.38
14	bB	1217	CLA	CHC-C1C	2.27	1.43	1.38
14	bB	1232	CLA	CHC-C1C	2.27	1.43	1.38
14	bB	1238	CLA	CHC-C1C	2.27	1.43	1.38
14	c4	517	CLA	CHC-C1C	2.27	1.43	1.38
14	c6	505	CLA	CHC-C1C	2.27	1.43	1.38
14	V	508	CLA	CHC-C1C	2.27	1.43	1.38
14	bB	1227	CLA	C3B-C4B	2.27	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	S	502	CLA	C3B-C4B	2.27	1.49	1.42
14	j	509	CLA	C3B-C4B	2.27	1.49	1.42
14	h	507	CLA	CHC-C1C	2.27	1.43	1.38
14	l	505	CLA	CHC-C1C	2.27	1.43	1.38
14	aB	1226	CLA	C3B-C4B	2.27	1.49	1.42
14	a3	519	CLA	C3B-C4B	2.27	1.49	1.42
14	c6	502	CLA	C3B-C4B	2.27	1.49	1.42
14	m	509	CLA	C3B-C4B	2.27	1.49	1.42
14	cB	1226	CLA	C3B-C4B	2.27	1.49	1.42
14	a4	504	CLA	CHC-C1C	2.27	1.43	1.38
14	c6	509	CLA	CHC-C1C	2.27	1.43	1.38
14	b6	511	CLA	CHC-C1C	2.27	1.43	1.38
14	c5	505	CLA	CHC-C1C	2.27	1.43	1.38
14	f	510	CLA	CHC-C1C	2.27	1.43	1.38
14	c6	507	CLA	C3B-C4B	2.27	1.49	1.42
14	bB	1224	CLA	CHC-C1C	2.27	1.43	1.38
14	g	510	CLA	CHC-C1C	2.27	1.43	1.38
14	k	504	CLA	CHC-C1C	2.27	1.43	1.38
14	b6	502	CLA	C3B-C4B	2.27	1.49	1.42
14	Z	502	CLA	C3B-C4B	2.27	1.49	1.42
14	bB	1213	CLA	CHC-C1C	2.27	1.43	1.38
14	b5	509	CLA	CHC-C1C	2.27	1.43	1.38
14	j	504	CLA	CHC-C1C	2.27	1.43	1.38
14	aA	1132	CLA	C3B-C4B	2.27	1.49	1.42
14	Y	502	CLA	C3B-C4B	2.27	1.49	1.42
14	q	506	CLA	C3B-C4B	2.27	1.49	1.42
14	c3	505	CLA	CHC-C1C	2.27	1.43	1.38
14	V	507	CLA	CHC-C1C	2.27	1.43	1.38
14	Y	517	CLA	CHC-C1C	2.27	1.43	1.38
14	b	509	CLA	CHC-C1C	2.27	1.43	1.38
14	b	517	CLA	CHC-C1C	2.27	1.43	1.38
14	p	519	CLA	CHC-C1C	2.27	1.43	1.38
14	a4	516	CLA	CHC-C1C	2.27	1.43	1.38
14	c6	517	CLA	CHC-C1C	2.27	1.43	1.38
14	c	518	CLA	CHC-C1C	2.27	1.43	1.38
14	a4	507	CLA	C3B-C4B	2.27	1.49	1.42
14	b4	518	CLA	CHC-C1C	2.27	1.43	1.38
14	cB	1217	CLA	CHC-C1C	2.27	1.43	1.38
14	c4	503	CLA	CHC-C1C	2.27	1.43	1.38
14	c5	517	CLA	CHC-C1C	2.27	1.43	1.38
14	W	516	CLA	CHC-C1C	2.27	1.43	1.38
14	i	510	CLA	CHC-C1C	2.27	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	l	506	CLA	CHC-C1C	2.27	1.43	1.38
14	a4	518	CLA	C3B-C4B	2.27	1.49	1.42
14	cB	1230	CLA	C3B-C4B	2.27	1.49	1.42
14	S	509	CLA	C3B-C4B	2.27	1.49	1.42
14	V	509	CLA	C3B-C4B	2.27	1.49	1.42
14	cA	1140	CLA	CHC-C1C	2.27	1.43	1.38
14	cB	1202	CLA	CHC-C1C	2.27	1.43	1.38
14	f	516	CLA	CHC-C1C	2.27	1.43	1.38
14	g	519	CLA	CHC-C1C	2.27	1.43	1.38
14	o	519	CLA	CHC-C1C	2.27	1.43	1.38
14	a3	518	CLA	CHC-C1C	2.27	1.43	1.38
14	cB	1021	CLA	CHC-C1C	2.27	1.43	1.38
14	i	507	CLA	C3B-C4B	2.27	1.49	1.42
14	b1	511	CLA	CHC-C1C	2.27	1.43	1.38
14	V	519	CLA	CHC-C1C	2.27	1.43	1.38
14	p	506	CLA	CHC-C1C	2.27	1.43	1.38
14	f	502	CLA	C3B-C4B	2.27	1.49	1.42
14	aA	1114	CLA	CHC-C1C	2.27	1.43	1.38
14	a2	501	CLA	CHC-C1C	2.27	1.43	1.38
14	a5	505	CLA	CHC-C1C	2.27	1.43	1.38
14	cB	1216	CLA	CHC-C1C	2.27	1.43	1.38
14	cB	1221	CLA	CHC-C1C	2.27	1.43	1.38
14	U	510	CLA	CHC-C1C	2.27	1.43	1.38
14	aB	1230	CLA	C3B-C4B	2.27	1.49	1.42
14	b2	509	CLA	C3B-C4B	2.27	1.49	1.42
14	aB	1234	CLA	CHC-C1C	2.27	1.43	1.38
14	Y	509	CLA	CHC-C1C	2.27	1.43	1.38
14	d	507	CLA	C3B-C4B	2.27	1.49	1.42
14	i	502	CLA	C3B-C4B	2.27	1.49	1.42
14	a1	517	CLA	CHC-C1C	2.27	1.43	1.38
14	a2	510	CLA	CHC-C1C	2.27	1.43	1.38
14	b1	505	CLA	CHC-C1C	2.27	1.43	1.38
14	cA	1011	CLA	CHC-C1C	2.27	1.43	1.38
14	c6	518	CLA	CHC-C1C	2.27	1.43	1.38
14	U	517	CLA	CHC-C1C	2.27	1.43	1.38
14	W	509	CLA	C3B-C4B	2.27	1.49	1.42
14	aA	1111	CLA	CHC-C1C	2.27	1.43	1.38
14	a1	501	CLA	CHC-C1C	2.27	1.43	1.38
14	a6	511	CLA	CHC-C1C	2.27	1.43	1.38
14	c2	505	CLA	CHC-C1C	2.27	1.43	1.38
14	S	501	CLA	CHC-C1C	2.27	1.43	1.38
14	a	504	CLA	CHC-C1C	2.27	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	503	CLA	CHC-C1C	2.27	1.43	1.38
14	j	503	CLA	CHC-C1C	2.27	1.43	1.38
14	q	509	CLA	CHC-C1C	2.27	1.43	1.38
14	bB	1221	CLA	CHC-C1C	2.27	1.43	1.38
14	Z	511	CLA	CHC-C1C	2.27	1.43	1.38
14	c	510	CLA	CHC-C1C	2.27	1.43	1.38
14	k	510	CLA	CHC-C1C	2.27	1.43	1.38
14	X	518	CLA	C3B-C4B	2.26	1.49	1.42
14	aA	1121	CLA	CHC-C1C	2.26	1.43	1.38
14	a2	505	CLA	CHC-C1C	2.26	1.43	1.38
14	a5	513	CLA	CHC-C1C	2.26	1.43	1.38
14	b1	519	CLA	CHC-C1C	2.26	1.43	1.38
14	b3	508	CLA	CHC-C1C	2.26	1.43	1.38
14	d	506	CLA	CHC-C1C	2.26	1.43	1.38
14	h	502	CLA	C3B-C4B	2.26	1.49	1.42
14	aA	1801	CLA	CHC-C1C	2.26	1.43	1.38
14	bB	1216	CLA	CHC-C1C	2.26	1.43	1.38
14	cK	1103	CLA	CHC-C1C	2.26	1.43	1.38
14	h	518	CLA	CHC-C1C	2.26	1.43	1.38
14	c5	502	CLA	C3B-C4B	2.26	1.49	1.42
14	aA	1122	CLA	CHC-C1C	2.26	1.43	1.38
14	T	517	CLA	CHC-C1C	2.26	1.43	1.38
14	U	507	CLA	CHC-C1C	2.26	1.43	1.38
14	a5	509	CLA	C3B-C4B	2.26	1.49	1.42
14	a6	507	CLA	C3B-C4B	2.26	1.49	1.42
14	a3	504	CLA	CHC-C1C	2.26	1.43	1.38
14	bB	1203	CLA	CHC-C1C	2.26	1.43	1.38
14	b3	506	CLA	CHC-C1C	2.26	1.43	1.38
14	cA	1123	CLA	CHC-C1C	2.26	1.43	1.38
14	c	507	CLA	CHC-C1C	2.26	1.43	1.38
14	a3	503	CLA	CHC-C1C	2.26	1.43	1.38
14	a3	516	CLA	CHC-C1C	2.26	1.43	1.38
14	a5	506	CLA	CHC-C1C	2.26	1.43	1.38
14	W	504	CLA	CHC-C1C	2.26	1.43	1.38
14	h	517	CLA	CHC-C1C	2.26	1.43	1.38
14	i	506	CLA	CHC-C1C	2.26	1.43	1.38
14	Z	510	CLA	C3B-C4B	2.26	1.49	1.42
14	e	502	CLA	C3B-C4B	2.26	1.49	1.42
14	bA	1137	CLA	CHC-C1C	2.26	1.43	1.38
14	b2	506	CLA	CHC-C1C	2.26	1.43	1.38
14	cA	1122	CLA	CHC-C1C	2.26	1.43	1.38
14	c4	508	CLA	CHC-C1C	2.26	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	509	CLA	CHC-C1C	2.26	1.43	1.38
14	m	517	CLA	CHC-C1C	2.26	1.43	1.38
14	cA	1133	CLA	C3B-C4B	2.26	1.49	1.42
14	aB	1021	CLA	CHC-C1C	2.26	1.43	1.38
14	aX	1401	CLA	CHC-C1C	2.26	1.43	1.38
14	a6	509	CLA	CHC-C1C	2.26	1.43	1.38
14	g	502	CLA	C3B-C4B	2.26	1.49	1.42
14	cA	1108	CLA	CHC-C1C	2.26	1.43	1.38
14	cA	1117	CLA	CHC-C1C	2.26	1.43	1.38
14	a	512	CLA	CHC-C1C	2.26	1.43	1.38
14	i	517	CLA	CHC-C1C	2.26	1.43	1.38
14	l	519	CLA	CHC-C1C	2.26	1.43	1.38
14	c4	501	CLA	CHC-C1C	2.26	1.43	1.38
14	e	510	CLA	CHC-C1C	2.26	1.43	1.38
14	Z	507	CLA	C3B-C4B	2.26	1.49	1.42
14	k	512	CLA	C3B-C4B	2.26	1.49	1.42
14	aB	1216	CLA	CHC-C1C	2.26	1.43	1.38
14	aB	1231	CLA	CHC-C1C	2.26	1.43	1.38
14	bB	1236	CLA	CHC-C1C	2.26	1.43	1.38
14	bJ	1302	CLA	CHC-C1C	2.26	1.43	1.38
14	b5	518	CLA	CHC-C1C	2.26	1.43	1.38
14	c1	518	CLA	CHC-C1C	2.26	1.43	1.38
14	k	506	CLA	CHC-C1C	2.26	1.43	1.38
14	l	501	CLA	CHC-C1C	2.26	1.43	1.38
14	aB	1229	CLA	CHC-C1C	2.26	1.43	1.38
14	bA	1104	CLA	CHC-C1C	2.26	1.43	1.38
14	bB	1210	CLA	CHC-C1C	2.26	1.43	1.38
14	U	518	CLA	CHC-C1C	2.26	1.43	1.38
14	V	518	CLA	CHC-C1C	2.26	1.43	1.38
14	Y	501	CLA	CHC-C1C	2.26	1.43	1.38
14	aA	1135	CLA	C3B-C4B	2.26	1.49	1.42
14	aB	1238	CLA	CHC-C1C	2.26	1.43	1.38
14	a1	511	CLA	CHC-C1C	2.26	1.43	1.38
14	b1	503	CLA	CHC-C1C	2.26	1.43	1.38
14	a4	505	CLA	CHC-C1C	2.26	1.43	1.38
14	c4	512	CLA	CHC-C1C	2.26	1.43	1.38
14	T	508	CLA	CHC-C1C	2.26	1.43	1.38
14	p	517	CLA	CHC-C1C	2.26	1.43	1.38
14	j	507	CLA	C3B-C4B	2.26	1.49	1.42
14	b1	506	CLA	CHC-C1C	2.26	1.43	1.38
14	b4	503	CLA	CHC-C1C	2.26	1.43	1.38
14	c2	501	CLA	CHC-C1C	2.26	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	U	511	CLA	CHC-C1C	2.26	1.43	1.38
14	W	505	CLA	CHC-C1C	2.26	1.43	1.38
14	cA	1121	CLA	CHC-C1C	2.26	1.43	1.38
14	c1	512	CLA	CHC-C1C	2.26	1.43	1.38
14	c4	504	CLA	CHC-C1C	2.26	1.43	1.38
14	W	503	CLA	CHC-C1C	2.26	1.43	1.38
14	d	505	CLA	CHC-C1C	2.26	1.43	1.38
14	i	512	CLA	CHC-C1C	2.26	1.43	1.38
14	l	518	CLA	CHC-C1C	2.26	1.43	1.38
14	a3	502	CLA	C3B-C4B	2.26	1.49	1.42
14	Y	503	CLA	CHC-C1C	2.26	1.43	1.38
14	a	518	CLA	CHC-C1C	2.26	1.43	1.38
14	q	507	CLA	CHC-C1C	2.26	1.43	1.38
14	b1	502	CLA	C3B-C4B	2.26	1.49	1.42
14	aB	1217	CLA	CHC-C1C	2.26	1.43	1.38
14	bA	1120	CLA	CHC-C1C	2.26	1.43	1.38
14	cA	1132	CLA	CHC-C1C	2.26	1.43	1.38
14	cJ	1303	CLA	CHC-C1C	2.26	1.43	1.38
14	c1	510	CLA	CHC-C1C	2.26	1.43	1.38
14	b	506	CLA	CHC-C1C	2.26	1.43	1.38
14	d	503	CLA	CHC-C1C	2.26	1.43	1.38
14	d	517	CLA	CHC-C1C	2.26	1.43	1.38
14	f	507	CLA	CHC-C1C	2.26	1.43	1.38
14	bB	1226	CLA	C3B-C4B	2.26	1.49	1.42
14	m	502	CLA	C3B-C4B	2.26	1.49	1.42
14	cA	1127	CLA	CHC-C1C	2.26	1.43	1.38
14	X	503	CLA	CHC-C1C	2.26	1.43	1.38
14	aB	1210	CLA	CHC-C1C	2.26	1.43	1.38
14	cL	1501	CLA	CHC-C1C	2.26	1.43	1.38
14	g	518	CLA	CHC-C1C	2.26	1.43	1.38
14	W	507	CLA	C3B-C4B	2.26	1.49	1.42
14	o	507	CLA	C3B-C4B	2.26	1.49	1.42
14	a2	503	CLA	CHC-C1C	2.26	1.43	1.38
14	cB	1203	CLA	CHC-C1C	2.26	1.43	1.38
14	cB	1228	CLA	CHC-C1C	2.26	1.43	1.38
14	c3	506	CLA	CHC-C1C	2.26	1.43	1.38
14	c6	506	CLA	CHC-C1C	2.26	1.43	1.38
14	g	506	CLA	CHC-C1C	2.26	1.43	1.38
14	b3	501	CLA	CHC-C1C	2.25	1.43	1.38
14	b4	502	CLA	C3B-C4B	2.25	1.49	1.42
14	cB	1226	CLA	CMD-C2D	-2.25	1.46	1.50
18	aA	5002	LHG	O7-C5	-2.25	1.41	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a6	505	CLA	CHC-C1C	2.25	1.43	1.38
14	b5	505	CLA	CHC-C1C	2.25	1.43	1.38
14	aA	1120	CLA	CHC-C1C	2.25	1.43	1.38
14	aB	1203	CLA	CHC-C1C	2.25	1.43	1.38
14	e	506	CLA	CHC-C1C	2.25	1.43	1.38
14	i	511	CLA	CHC-C1C	2.25	1.43	1.38
14	j	519	CLA	CHC-C1C	2.25	1.43	1.38
14	a1	506	CLA	CHC-C1C	2.25	1.43	1.38
14	a5	516	CLA	CHC-C1C	2.25	1.43	1.38
14	bB	1218	CLA	CHC-C1C	2.25	1.43	1.38
14	b6	509	CLA	CHC-C1C	2.25	1.43	1.38
14	c5	509	CLA	CHC-C1C	2.25	1.43	1.38
14	T	507	CLA	CHC-C1C	2.25	1.43	1.38
14	n	511	CLA	CHC-C1C	2.25	1.43	1.38
14	aL	1501	CLA	C3B-C4B	2.25	1.49	1.42
14	aB	1232	CLA	CMB-C2B	-2.25	1.46	1.50
14	a1	505	CLA	CHC-C1C	2.25	1.43	1.38
14	a3	519	CLA	CHC-C1C	2.25	1.43	1.38
14	b2	507	CLA	C3B-C4B	2.25	1.49	1.42
14	aA	1123	CLA	CHC-C1C	2.25	1.43	1.38
14	a2	508	CLA	CHC-C1C	2.25	1.43	1.38
14	c6	501	CLA	CHC-C1C	2.25	1.43	1.38
14	W	512	CLA	CHC-C1C	2.25	1.43	1.38
14	b	505	CLA	CHC-C1C	2.25	1.43	1.38
14	n	516	CLA	CHC-C1C	2.25	1.43	1.38
14	bA	1127	CLA	CHC-C1C	2.25	1.43	1.38
14	d	510	CLA	CHC-C1C	2.25	1.43	1.38
14	c5	507	CLA	C3B-C4B	2.25	1.49	1.42
14	aA	1134	CLA	CHC-C1C	2.25	1.43	1.38
14	bB	1202	CLA	CHC-C1C	2.25	1.43	1.38
14	b5	517	CLA	CHC-C1C	2.25	1.43	1.38
14	b6	506	CLA	CHC-C1C	2.25	1.43	1.38
14	c5	511	CLA	CHC-C1C	2.25	1.43	1.38
14	X	518	CLA	CHC-C1C	2.25	1.43	1.38
14	e	501	CLA	CHC-C1C	2.25	1.43	1.38
14	n	504	CLA	CHC-C1C	2.25	1.43	1.38
14	n	507	CLA	CHC-C1C	2.25	1.43	1.38
14	aB	1204	CLA	CHC-C1C	2.25	1.43	1.38
14	bA	1011	CLA	CHC-C1C	2.25	1.43	1.38
14	bA	1109	CLA	CHC-C1C	2.25	1.43	1.38
14	c1	509	CLA	CHC-C1C	2.25	1.43	1.38
14	T	503	CLA	CHC-C1C	2.25	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	o	503	CLA	CHC-C1C	2.25	1.43	1.38
14	d	509	CLA	C3B-C4B	2.25	1.49	1.42
14	a4	501	CLA	CHC-C1C	2.25	1.43	1.38
14	bF	1301	CLA	CHC-C1C	2.25	1.43	1.38
14	b2	505	CLA	CHC-C1C	2.25	1.43	1.38
14	cB	1234	CLA	CHC-C1C	2.25	1.43	1.38
14	Y	506	CLA	CHC-C1C	2.25	1.43	1.38
14	a4	509	CLA	C3B-C4B	2.25	1.49	1.42
14	a4	512	CLA	CHC-C1C	2.25	1.43	1.38
14	cB	1236	CLA	CHC-C1C	2.25	1.43	1.38
14	T	511	CLA	CHC-C1C	2.25	1.43	1.38
14	j	510	CLA	CHC-C1C	2.25	1.43	1.38
14	b5	507	CLA	C3B-C4B	2.25	1.49	1.42
14	a5	507	CLA	CHC-C1C	2.25	1.43	1.38
14	b1	504	CLA	CHC-C1C	2.25	1.43	1.38
18	bA	5003	LHG	O7-C5	-2.25	1.41	1.46
14	a2	518	CLA	CHC-C1C	2.25	1.43	1.38
14	bA	1022	CLA	CHC-C1C	2.25	1.43	1.38
14	cB	1204	CLA	CHC-C1C	2.25	1.43	1.38
14	c6	519	CLA	CHC-C1C	2.25	1.43	1.38
14	S	517	CLA	CHC-C1C	2.25	1.43	1.38
14	j	509	CLA	CHC-C1C	2.25	1.43	1.38
14	c3	502	CLA	C3B-C4B	2.25	1.49	1.42
14	bB	1206	CLA	C3B-C4B	2.25	1.49	1.42
14	b2	517	CLA	CHC-C1C	2.25	1.43	1.38
14	b3	505	CLA	CHC-C1C	2.25	1.43	1.38
14	Y	504	CLA	CHC-C1C	2.25	1.43	1.38
14	b	519	CLA	CHC-C1C	2.25	1.43	1.38
14	a5	519	CLA	CHC-C1C	2.25	1.43	1.38
14	cA	1114	CLA	CHC-C1C	2.25	1.43	1.38
14	cA	1131	CLA	CHC-C1C	2.25	1.43	1.38
14	b	507	CLA	CHC-C1C	2.25	1.43	1.38
14	g	507	CLA	CHC-C1C	2.25	1.43	1.38
14	b4	509	CLA	C3B-C4B	2.25	1.49	1.42
14	c2	507	CLA	C3B-C4B	2.25	1.49	1.42
14	aB	1232	CLA	CHC-C1C	2.25	1.43	1.38
14	V	505	CLA	CHC-C1C	2.25	1.43	1.38
14	a4	502	CLA	C3B-C4B	2.25	1.49	1.42
14	X	507	CLA	C3B-C4B	2.25	1.49	1.42
14	bA	1105	CLA	CHC-C1C	2.25	1.43	1.38
14	cA	1113	CLA	CHC-C1C	2.25	1.43	1.38
14	c2	503	CLA	CHC-C1C	2.25	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
18	bA	5004	LHG	O7-C5	-2.25	1.41	1.46
14	b4	507	CLA	C3B-C4B	2.25	1.49	1.42
14	q	502	CLA	C3B-C4B	2.25	1.49	1.42
18	bA	5001	LHG	O7-C5	-2.25	1.41	1.46
14	aB	1228	CLA	CHC-C1C	2.25	1.43	1.38
14	b1	501	CLA	CHC-C1C	2.25	1.43	1.38
14	a	505	CLA	CHC-C1C	2.25	1.43	1.38
14	i	503	CLA	CHC-C1C	2.25	1.43	1.38
14	l	516	CLA	C3B-C4B	2.25	1.49	1.42
14	aA	1137	CLA	CHC-C1C	2.25	1.43	1.38
14	bB	1223	CLA	CHC-C1C	2.25	1.43	1.38
14	Y	510	CLA	CHC-C1C	2.25	1.43	1.38
14	e	503	CLA	CHC-C1C	2.25	1.43	1.38
14	aA	1022	CLA	CHC-C1C	2.24	1.43	1.38
14	bJ	1303	CLA	CHC-C1C	2.24	1.43	1.38
14	c4	518	CLA	CHC-C1C	2.24	1.43	1.38
14	Z	506	CLA	CHC-C1C	2.24	1.43	1.38
14	e	516	CLA	CHC-C1C	2.24	1.43	1.38
14	k	503	CLA	CHC-C1C	2.24	1.43	1.38
14	cA	1132	CLA	C3B-C4B	2.24	1.49	1.42
14	p	509	CLA	C3B-C4B	2.24	1.49	1.42
14	aA	1130	CLA	CHC-C1C	2.24	1.43	1.38
14	a2	504	CLA	CHC-C1C	2.24	1.43	1.38
14	c1	516	CLA	CHC-C1C	2.24	1.43	1.38
14	g	505	CLA	CHC-C1C	2.24	1.43	1.38
14	cB	1210	CLA	CHC-C1C	2.24	1.43	1.38
14	c1	511	CLA	CHC-C1C	2.24	1.43	1.38
14	e	507	CLA	C3B-C4B	2.24	1.49	1.42
14	c1	509	CLA	C3B-C4B	2.24	1.49	1.42
14	c2	517	CLA	CHC-C1C	2.24	1.43	1.38
14	f	509	CLA	CHC-C1C	2.24	1.43	1.38
15	aB	2002	PQN	C9-C10	2.24	1.43	1.39
14	b2	502	CLA	C3B-C4B	2.24	1.49	1.42
14	aB	1233	CLA	CHC-C1C	2.24	1.43	1.38
14	aK	1103	CLA	CHC-C1C	2.24	1.43	1.38
14	a6	516	CLA	CHC-C1C	2.24	1.43	1.38
14	U	505	CLA	CHC-C1C	2.24	1.43	1.38
14	Y	511	CLA	CHC-C1C	2.24	1.43	1.38
14	a	506	CLA	CHC-C1C	2.24	1.43	1.38
14	m	518	CLA	CHC-C1C	2.24	1.43	1.38
14	b6	503	CLA	CHC-C1C	2.24	1.43	1.38
14	c4	507	CLA	C3B-C4B	2.24	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	d	502	CLA	C3B-C4B	2.24	1.49	1.42
14	Z	505	CLA	CHC-C1C	2.24	1.43	1.38
14	f	518	CLA	CHC-C1C	2.24	1.43	1.38
14	o	516	CLA	CHC-C1C	2.24	1.43	1.38
14	a6	504	CLA	CHC-C1C	2.24	1.43	1.38
14	b1	507	CLA	CHC-C1C	2.24	1.43	1.38
14	c	511	CLA	CHC-C1C	2.24	1.43	1.38
14	S	509	CLA	CHC-C1C	2.24	1.43	1.38
14	W	509	CLA	CHC-C1C	2.24	1.43	1.38
14	Z	517	CLA	CHC-C1C	2.24	1.43	1.38
14	k	511	CLA	CHC-C1C	2.24	1.43	1.38
14	p	512	CLA	CHC-C1C	2.24	1.43	1.38
14	aA	1109	CLA	CHC-C1C	2.24	1.43	1.38
14	c	504	CLA	CHC-C1C	2.24	1.43	1.38
14	q	517	CLA	CHC-C1C	2.24	1.43	1.38
14	b5	502	CLA	C3B-C4B	2.24	1.49	1.42
14	cB	1206	CLA	C3B-C4B	2.24	1.49	1.42
14	a4	508	CLA	CHC-C1C	2.24	1.43	1.38
14	a	502	CLA	C3B-C4B	2.24	1.49	1.42
14	a5	501	CLA	CHC-C1C	2.24	1.43	1.38
14	a6	519	CLA	CHC-C1C	2.24	1.43	1.38
14	bA	1135	CLA	CHC-C1C	2.24	1.43	1.38
14	S	505	CLA	CHC-C1C	2.24	1.43	1.38
14	e	517	CLA	CHC-C1C	2.24	1.43	1.38
14	k	516	CLA	CHC-C1C	2.24	1.43	1.38
14	c1	507	CLA	CHC-C1C	2.24	1.43	1.38
14	c2	516	CLA	CHC-C1C	2.24	1.43	1.38
14	g	503	CLA	CHC-C1C	2.24	1.43	1.38
14	aB	1218	CLA	CHC-C1C	2.24	1.43	1.38
14	a5	511	CLA	CHC-C1C	2.24	1.43	1.38
14	b5	503	CLA	CHC-C1C	2.24	1.43	1.38
14	a1	510	CLA	CHC-C1C	2.24	1.43	1.38
14	bB	1215	CLA	CHC-C1C	2.24	1.43	1.38
14	b6	504	CLA	CHC-C1C	2.24	1.43	1.38
14	cA	1137	CLA	CHC-C1C	2.24	1.43	1.38
14	c6	504	CLA	CHC-C1C	2.24	1.43	1.38
14	T	509	CLA	CHC-C1C	2.24	1.43	1.38
14	c4	502	CLA	C3B-C4B	2.24	1.49	1.42
14	l	507	CLA	C3B-C4B	2.24	1.49	1.42
14	a3	517	CLA	CHC-C1C	2.24	1.43	1.38
14	n	503	CLA	CHC-C1C	2.24	1.43	1.38
14	aB	1209	CLA	CHC-C1C	2.23	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	c2	509	CLA	CHC-C1C	2.23	1.43	1.38
14	Z	510	CLA	CHC-C1C	2.23	1.43	1.38
14	bB	1226	CLA	CMD-C2D	-2.23	1.46	1.50
14	T	504	CLA	CHC-C1C	2.23	1.43	1.38
15	cB	2002	PQN	C9-C10	2.23	1.43	1.39
14	a1	502	CLA	C3B-C4B	2.23	1.49	1.42
14	a	519	CLA	CHC-C1C	2.23	1.43	1.38
14	d	504	CLA	CHC-C1C	2.23	1.43	1.38
14	bA	1103	CLA	CHC-C1C	2.23	1.43	1.38
14	b3	517	CLA	CHC-C1C	2.23	1.43	1.38
14	X	510	CLA	CHC-C1C	2.23	1.43	1.38
14	h	512	CLA	CHC-C1C	2.23	1.43	1.38
14	c3	509	CLA	C3B-C4B	2.23	1.49	1.42
14	aA	1103	CLA	CHC-C1C	2.23	1.43	1.38
14	U	506	CLA	CHC-C1C	2.23	1.43	1.38
14	c	503	CLA	CHC-C1C	2.23	1.43	1.38
14	a1	516	CLA	C3B-C4B	2.23	1.49	1.42
14	a6	502	CLA	C3B-C4B	2.23	1.49	1.42
14	Y	507	CLA	C3B-C4B	2.23	1.49	1.42
14	o	502	CLA	C3B-C4B	2.23	1.49	1.42
14	b5	511	CLA	CHC-C1C	2.23	1.43	1.38
14	a	503	CLA	CHC-C1C	2.23	1.43	1.38
14	bA	1123	CLA	CHC-C1C	2.23	1.43	1.38
14	b5	512	CLA	CHC-C1C	2.23	1.43	1.38
14	l	503	CLA	CHC-C1C	2.23	1.43	1.38
14	o	506	CLA	CHC-C1C	2.23	1.43	1.38
14	a3	507	CLA	C3B-C4B	2.23	1.49	1.42
14	a1	503	CLA	CHC-C1C	2.23	1.43	1.38
14	a5	518	CLA	CHC-C1C	2.23	1.43	1.38
14	Z	507	CLA	CHC-C1C	2.23	1.43	1.38
14	bB	1204	CLA	CHC-C1C	2.23	1.43	1.38
14	S	507	CLA	CHC-C1C	2.23	1.43	1.38
14	W	506	CLA	CHC-C1C	2.23	1.43	1.38
14	a	507	CLA	CHC-C1C	2.23	1.43	1.38
14	j	501	CLA	CHC-C1C	2.23	1.43	1.38
14	cA	1111	CLA	CHC-C1C	2.23	1.43	1.38
14	cA	1135	CLA	CHC-C1C	2.23	1.43	1.38
14	a3	505	CLA	CMD-C2D	-2.23	1.46	1.50
14	bA	1107	CLA	CMD-C2D	-2.23	1.46	1.50
14	c6	519	CLA	MG-NB	-2.23	2.01	2.05
14	a6	507	CLA	CHC-C1C	2.23	1.43	1.38
14	cA	1103	CLA	CHC-C1C	2.23	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	c1	502	CLA	C3B-C4B	2.23	1.49	1.42
14	b6	507	CLA	C3B-C4B	2.23	1.49	1.42
14	a1	516	CLA	CHC-C1C	2.23	1.43	1.38
14	b2	507	CLA	CHC-C1C	2.23	1.43	1.38
14	V	506	CLA	CHC-C1C	2.23	1.43	1.38
14	a4	503	CLA	CHC-C1C	2.23	1.43	1.38
14	b2	503	CLA	CHC-C1C	2.23	1.43	1.38
14	c6	510	CLA	CHC-C1C	2.23	1.43	1.38
14	f	506	CLA	CHC-C1C	2.23	1.43	1.38
14	m	510	CLA	CHC-C1C	2.23	1.43	1.38
14	m	512	CLA	CHC-C1C	2.23	1.43	1.38
14	X	509	CLA	CHC-C1C	2.23	1.42	1.38
14	c	512	CLA	CHC-C1C	2.23	1.42	1.38
14	bA	1114	CLA	CHC-C1C	2.23	1.42	1.38
14	n	510	CLA	CHC-C1C	2.23	1.42	1.38
14	p	507	CLA	CHC-C1C	2.23	1.42	1.38
14	c3	507	CLA	C3B-C4B	2.23	1.49	1.42
14	b6	505	CLA	CMD-C2D	-2.23	1.46	1.50
14	c4	509	CLA	CHC-C1C	2.23	1.42	1.38
14	d	507	CLA	CHC-C1C	2.23	1.42	1.38
14	a5	503	CLA	CHC-C1C	2.23	1.42	1.38
14	cB	1223	CLA	CHC-C1C	2.23	1.42	1.38
14	c	517	CLA	CHC-C1C	2.23	1.42	1.38
14	k	507	CLA	CHC-C1C	2.23	1.42	1.38
14	f	505	CLA	CHC-C1C	2.23	1.42	1.38
14	p	509	CLA	CHC-C1C	2.23	1.42	1.38
14	a2	507	CLA	C3B-C4B	2.23	1.49	1.42
14	cA	1107	CLA	C3B-C4B	2.23	1.49	1.42
14	c3	512	CLA	CHC-C1C	2.22	1.42	1.38
14	n	512	CLA	CHC-C1C	2.22	1.42	1.38
14	aB	1227	CLA	CHC-C1C	2.22	1.42	1.38
14	a1	509	CLA	CHC-C1C	2.22	1.42	1.38
14	a6	517	CLA	CHC-C1C	2.22	1.42	1.38
14	b3	507	CLA	CHC-C1C	2.22	1.42	1.38
14	S	510	CLA	CHC-C1C	2.22	1.42	1.38
14	b	504	CLA	CHC-C1C	2.22	1.42	1.38
14	b	511	CLA	CHC-C1C	2.22	1.42	1.38
14	p	503	CLA	CHC-C1C	2.22	1.42	1.38
14	a2	509	CLA	CHC-C1C	2.22	1.42	1.38
14	b4	512	CLA	CHC-C1C	2.22	1.42	1.38
14	c1	506	CLA	CHC-C1C	2.22	1.42	1.38
14	b1	509	CLA	CHC-C1C	2.22	1.42	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	T	510	CLA	CHC-C1C	2.22	1.42	1.38
14	c	509	CLA	CHC-C1C	2.22	1.42	1.38
14	b4	507	CLA	CHC-C1C	2.22	1.42	1.38
14	a3	501	CLA	CHC-C1C	2.22	1.42	1.38
14	b5	516	CLA	CHC-C1C	2.22	1.42	1.38
14	g	512	CLA	CHC-C1C	2.22	1.42	1.38
14	aA	1133	CLA	CHC-C1C	2.22	1.42	1.38
14	i	505	CLA	CHC-C1C	2.22	1.42	1.38
14	S	512	CLA	CHC-C1C	2.22	1.42	1.38
14	bA	1107	CLA	C3B-C4B	2.22	1.49	1.42
14	cB	1232	CLA	CHC-C1C	2.22	1.42	1.38
14	c2	512	CLA	CHC-C1C	2.22	1.42	1.38
14	X	505	CLA	CHC-C1C	2.22	1.42	1.38
14	Y	512	CLA	CHC-C1C	2.22	1.42	1.38
14	b3	502	CLA	C3B-C4B	2.22	1.49	1.42
14	bB	1234	CLA	CHC-C1C	2.22	1.42	1.38
14	b3	518	CLA	CHC-C1C	2.22	1.42	1.38
14	aA	1131	CLA	CHC-C1C	2.22	1.42	1.38
14	aB	1223	CLA	CHC-C1C	2.22	1.42	1.38
14	c5	518	CLA	CHC-C1C	2.22	1.42	1.38
14	S	502	CLA	CHC-C1C	2.22	1.42	1.38
14	Z	502	CLA	CHC-C1C	2.22	1.42	1.38
14	l	516	CLA	CHC-C1C	2.22	1.42	1.38
14	Z	504	CLA	CHC-C1C	2.22	1.42	1.38
14	l	502	CLA	C3B-C4B	2.22	1.49	1.42
14	cA	1120	CLA	CHC-C1C	2.22	1.42	1.38
14	c1	501	CLA	CHC-C1C	2.22	1.42	1.38
14	b	510	CLA	CHC-C1C	2.22	1.42	1.38
15	bB	2002	PQN	C9-C10	2.22	1.43	1.39
14	a2	512	CLA	CHC-C1C	2.22	1.42	1.38
14	Z	503	CLA	CHC-C1C	2.22	1.42	1.38
14	j	507	CLA	CHC-C1C	2.22	1.42	1.38
14	bB	1206	CLA	CMB-C2B	-2.21	1.46	1.50
14	aJ	1303	CLA	CHC-C1C	2.21	1.42	1.38
14	bL	1501	CLA	CHC-C1C	2.21	1.42	1.38
14	b	512	CLA	CHC-C1C	2.21	1.42	1.38
14	c	506	CLA	CHC-C1C	2.21	1.42	1.38
14	h	506	CLA	CHC-C1C	2.21	1.42	1.38
14	a3	505	CLA	CHC-C1C	2.21	1.42	1.38
14	c1	503	CLA	CHC-C1C	2.21	1.42	1.38
14	b2	512	CLA	CHC-C1C	2.21	1.42	1.38
14	cA	1022	CLA	CHC-C1C	2.21	1.42	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	c	502	CLA	CHC-C1C	2.21	1.42	1.38
14	bA	1237	CLA	CMB-C2B	-2.21	1.46	1.50
14	V	509	CLA	CHC-C1C	2.21	1.42	1.38
14	m	507	CLA	CHC-C1C	2.21	1.42	1.38
14	bA	1131	CLA	CHC-C1C	2.21	1.42	1.38
14	b1	512	CLA	CHC-C1C	2.21	1.42	1.38
14	b6	505	CLA	CHC-C1C	2.21	1.42	1.38
14	m	509	CLA	CHC-C1C	2.21	1.42	1.38
14	b3	503	CLA	CHC-C1C	2.21	1.42	1.38
14	c5	503	CLA	CHC-C1C	2.21	1.42	1.38
14	c1	505	CLA	CMD-C2D	-2.21	1.46	1.50
14	b4	504	CLA	MG-NB	-2.21	2.01	2.05
14	cB	1218	CLA	CHC-C1C	2.21	1.42	1.38
14	U	504	CLA	CHC-C1C	2.21	1.42	1.38
14	a	517	CLA	CHC-C1C	2.21	1.42	1.38
14	l	517	CLA	CHC-C1C	2.21	1.42	1.38
14	c6	503	CLA	CHC-C1C	2.21	1.42	1.38
14	a5	502	CLA	C3B-C4B	2.21	1.49	1.42
14	bA	1133	CLA	CHC-C1C	2.21	1.42	1.38
14	h	505	CLA	CHC-C1C	2.21	1.42	1.38
14	aB	1215	CLA	CHC-C1C	2.21	1.42	1.38
14	a3	509	CLA	CHC-C1C	2.21	1.42	1.38
14	k	512	CLA	CHC-C1C	2.21	1.42	1.38
14	cA	1128	CLA	MG-NB	-2.21	2.01	2.05
14	a5	512	CLA	CHC-C1C	2.21	1.42	1.38
14	q	506	CLA	CHC-C1C	2.21	1.42	1.38
14	cB	1232	CLA	CMB-C2B	-2.21	1.46	1.50
14	Z	505	CLA	CMD-C2D	-2.21	1.46	1.50
14	aA	1135	CLA	CHC-C1C	2.21	1.42	1.38
14	b3	502	CLA	CHC-C1C	2.21	1.42	1.38
14	c3	517	CLA	CHC-C1C	2.21	1.42	1.38
14	T	512	CLA	CHC-C1C	2.21	1.42	1.38
14	b	502	CLA	CHC-C1C	2.21	1.42	1.38
14	e	512	CLA	CHC-C1C	2.21	1.42	1.38
14	a1	507	CLA	CHC-C1C	2.20	1.42	1.38
14	m	502	CLA	CHC-C1C	2.20	1.42	1.38
14	b3	512	CLA	CHC-C1C	2.20	1.42	1.38
14	f	512	CLA	CHC-C1C	2.20	1.42	1.38
14	aB	1239	CLA	CHC-C1C	2.20	1.42	1.38
18	cA	5003	LHG	O7-C5	-2.20	1.41	1.46
14	n	502	CLA	CHC-C1C	2.20	1.42	1.38
14	o	512	CLA	CHC-C1C	2.20	1.42	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	cA	1133	CLA	CHC-C1C	2.20	1.42	1.38
14	k	509	CLA	CHC-C1C	2.20	1.42	1.38
14	V	502	CLA	C3B-C4B	2.20	1.49	1.42
14	cA	1133	CLA	CMB-C2B	-2.20	1.46	1.50
14	a1	512	CLA	CHC-C1C	2.20	1.42	1.38
14	a4	509	CLA	CHC-C1C	2.20	1.42	1.38
14	U	509	CLA	CHC-C1C	2.20	1.42	1.38
14	Y	505	CLA	CHC-C1C	2.20	1.42	1.38
14	aA	1118	CLA	CHC-C1C	2.20	1.42	1.38
14	bB	1227	CLA	CHC-C1C	2.20	1.42	1.38
14	m	503	CLA	CHC-C1C	2.20	1.42	1.38
14	b2	505	CLA	CMD-C2D	-2.20	1.46	1.50
14	W	505	CLA	CMD-C2D	-2.20	1.46	1.50
14	p	505	CLA	CHC-C1C	2.20	1.42	1.38
14	n	516	CLA	MG-NB	-2.20	2.01	2.05
14	d	509	CLA	CHC-C1C	2.20	1.42	1.38
14	cB	1227	CLA	CHC-C1C	2.20	1.42	1.38
14	b2	516	CLA	CHC-C1C	2.20	1.42	1.38
14	a6	505	CLA	CMD-C2D	-2.20	1.46	1.50
14	Y	505	CLA	CMD-C2D	-2.20	1.46	1.50
14	l	502	CLA	CHC-C1C	2.20	1.42	1.38
14	bA	1132	CLA	CHC-C1C	2.20	1.42	1.38
14	c3	509	CLA	CHC-C1C	2.20	1.42	1.38
14	a4	507	CLA	CHC-C1C	2.20	1.42	1.38
14	a2	505	CLA	CMD-C2D	-2.19	1.46	1.50
14	cA	1237	CLA	CMB-C2B	-2.19	1.46	1.50
14	c2	505	CLA	CMD-C2D	-2.19	1.46	1.50
14	aA	1107	CLA	C3B-C4B	2.19	1.49	1.42
14	i	502	CLA	CHC-C1C	2.19	1.42	1.38
14	k	502	CLA	CHC-C1C	2.19	1.42	1.38
14	c5	512	CLA	CHC-C1C	2.19	1.42	1.38
14	a4	504	CLA	MG-NB	-2.19	2.01	2.05
14	cB	1239	CLA	CHC-C1C	2.19	1.42	1.38
14	aA	1132	CLA	CHC-C1C	2.19	1.42	1.38
14	a4	518	CLA	CHC-C1C	2.19	1.42	1.38
14	cB	1023	CLA	CMC-C2C	-2.19	1.46	1.50
14	a	502	CLA	CHC-C1C	2.19	1.42	1.38
14	bB	1239	CLA	CHC-C1C	2.19	1.42	1.38
14	cB	1215	CLA	CHC-C1C	2.19	1.42	1.38
18	cA	5004	LHG	O7-C5	-2.19	1.41	1.46
14	aB	1230	CLA	CMB-C2B	-2.19	1.46	1.50
14	X	502	CLA	C3B-C4B	2.19	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	c2	502	CLA	CHC-C1C	2.19	1.42	1.38
14	X	507	CLA	CHC-C1C	2.19	1.42	1.38
14	b5	502	CLA	CHC-C1C	2.19	1.42	1.38
14	j	502	CLA	CHC-C1C	2.19	1.42	1.38
14	l	505	CLA	CMD-C2D	-2.19	1.46	1.50
14	l	512	CLA	CHC-C1C	2.19	1.42	1.38
14	bB	1023	CLA	CMC-C2C	-2.19	1.46	1.50
14	X	505	CLA	CMD-C2D	-2.19	1.46	1.50
14	aB	1206	CLA	CHC-C1C	2.18	1.42	1.38
14	bB	1232	CLA	CMB-C2B	-2.18	1.46	1.50
14	b2	509	CLA	CHC-C1C	2.18	1.42	1.38
14	Z	512	CLA	CHC-C1C	2.18	1.42	1.38
14	c3	502	CLA	CHC-C1C	2.18	1.42	1.38
14	c4	507	CLA	CHC-C1C	2.18	1.42	1.38
14	aA	1237	CLA	CMB-C2B	-2.18	1.46	1.50
14	aA	1128	CLA	CHC-C1C	2.18	1.42	1.38
14	U	502	CLA	CHC-C1C	2.18	1.42	1.38
14	bA	1128	CLA	CHC-C1C	2.18	1.42	1.38
14	Y	507	CLA	CHC-C1C	2.18	1.42	1.38
18	aA	5004	LHG	O7-C5	-2.18	1.41	1.46
14	c5	502	CLA	CHC-C1C	2.18	1.42	1.38
14	aB	1206	CLA	CMB-C2B	-2.18	1.46	1.50
14	q	512	CLA	CHC-C1C	2.18	1.42	1.38
14	cA	1128	CLA	CHC-C1C	2.18	1.42	1.38
14	V	512	CLA	CHC-C1C	2.18	1.42	1.38
14	e	509	CLA	CHC-C1C	2.18	1.42	1.38
14	c4	502	CLA	CHC-C1C	2.18	1.42	1.38
14	U	505	CLA	CMD-C2D	-2.18	1.46	1.50
14	b5	505	CLA	CMD-C2D	-2.18	1.46	1.50
14	q	505	CLA	CMD-C2D	-2.17	1.46	1.50
14	b6	502	CLA	CHC-C1C	2.17	1.42	1.38
14	S	506	CLA	CHC-C1C	2.17	1.42	1.38
14	b2	516	CLA	MG-NB	-2.17	2.01	2.05
14	f	502	CLA	CHC-C1C	2.17	1.42	1.38
14	aA	1011	CLA	CHC-C1C	2.17	1.42	1.38
14	aA	1107	CLA	CMD-C2D	-2.17	1.46	1.50
14	o	507	CLA	CHC-C1C	2.17	1.42	1.38
14	p	504	CLA	CMB-C2B	-2.17	1.46	1.50
18	cA	5002	LHG	O7-C5	-2.17	1.41	1.46
14	bA	1128	CLA	MG-NB	-2.17	2.01	2.05
14	a5	509	CLA	CHC-C1C	2.17	1.42	1.38
14	a2	502	CLA	CHC-C1C	2.17	1.42	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	bA	1113	CLA	MG-NB	-2.17	2.01	2.05
14	cB	1226	CLA	CHC-C1C	2.17	1.42	1.38
14	cB	1230	CLA	CHC-C1C	2.17	1.42	1.38
14	h	506	CLA	CMB-C2B	-2.17	1.46	1.50
14	a3	512	CLA	CHC-C1C	2.17	1.42	1.38
14	b3	509	CLA	CHC-C1C	2.17	1.42	1.38
14	j	512	CLA	CHC-C1C	2.17	1.42	1.38
14	bA	1133	CLA	CMB-C2B	-2.17	1.46	1.50
14	c6	502	CLA	CHC-C1C	2.17	1.42	1.38
14	c3	505	CLA	CMD-C2D	-2.17	1.46	1.50
14	b1	505	CLA	CMD-C2D	-2.17	1.46	1.50
14	bB	1230	CLA	CHC-C1C	2.17	1.42	1.38
14	o	502	CLA	CHC-C1C	2.17	1.42	1.38
21	a2	5104	LMG	O7-C8	-2.17	1.41	1.46
14	e	502	CLA	CHC-C1C	2.17	1.42	1.38
14	c6	507	CLA	CHC-C1C	2.16	1.42	1.38
14	aB	1226	CLA	MG-NB	-2.16	2.01	2.05
14	V	502	CLA	CMB-C2B	-2.16	1.46	1.50
14	aB	1230	CLA	CHC-C1C	2.16	1.42	1.38
14	p	502	CLA	CHC-C1C	2.16	1.42	1.38
14	bB	1206	CLA	CHC-C1C	2.16	1.42	1.38
14	h	502	CLA	CHC-C1C	2.16	1.42	1.38
14	cB	1206	CLA	CMB-C2B	-2.16	1.46	1.50
14	d	512	CLA	CHC-C1C	2.16	1.42	1.38
14	i	507	CLA	CHC-C1C	2.16	1.42	1.38
14	bA	1237	CLA	CHC-C1C	2.16	1.42	1.38
14	b4	502	CLA	CHC-C1C	2.16	1.42	1.38
14	c1	502	CLA	CMB-C2B	-2.16	1.46	1.50
14	aA	1237	CLA	CHC-C1C	2.16	1.42	1.38
14	cA	1237	CLA	CHC-C1C	2.16	1.42	1.38
14	c1	502	CLA	CHC-C1C	2.16	1.42	1.38
14	i	505	CLA	CMD-C2D	-2.16	1.46	1.50
14	i	516	CLA	CMD-C2D	-2.16	1.46	1.50
14	c5	507	CLA	CHC-C1C	2.16	1.42	1.38
17	c4	523	BCR	C1-C6	-2.16	1.51	1.53
14	a3	502	CLA	CHC-C1C	2.16	1.42	1.38
14	aA	1128	CLA	MG-NB	-2.16	2.01	2.05
21	c1	5104	LMG	O7-C8	-2.16	1.41	1.46
14	S	512	CLA	CMD-C2D	-2.16	1.46	1.50
14	T	504	CLA	CMB-C2B	-2.16	1.46	1.50
14	X	512	CLA	CMB-C2B	-2.16	1.46	1.50
14	Y	502	CLA	CMB-C2B	-2.16	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a5	502	CLA	CHC-C1C	2.16	1.42	1.38
14	bA	1107	CLA	CHC-C1C	2.16	1.42	1.38
14	b4	509	CLA	CHC-C1C	2.16	1.42	1.38
14	cA	1118	CLA	CHC-C1C	2.16	1.42	1.38
14	aL	1501	CLA	CHC-C1C	2.16	1.42	1.38
14	X	512	CLA	CHC-C1C	2.15	1.42	1.38
14	b3	505	CLA	CMD-C2D	-2.15	1.46	1.50
14	a2	508	CLA	CMC-C2C	-2.15	1.46	1.50
14	X	508	CLA	CMC-C2C	-2.15	1.46	1.50
14	a5	508	CLA	CMB-C2B	-2.15	1.46	1.50
14	a3	507	CLA	CHC-C1C	2.15	1.42	1.38
14	cB	1206	CLA	CHC-C1C	2.15	1.42	1.38
14	b5	507	CLA	CHC-C1C	2.15	1.42	1.38
14	T	502	CLA	CHC-C1C	2.15	1.42	1.38
14	c4	505	CLA	CMD-C2D	-2.15	1.46	1.50
14	S	508	CLA	CMB-C2B	-2.15	1.46	1.50
14	W	506	CLA	CMB-C2B	-2.15	1.46	1.50
14	bB	1226	CLA	CHC-C1C	2.15	1.42	1.38
14	cB	1223	CLA	MG-NB	-2.15	2.01	2.05
14	S	505	CLA	CMD-C2D	-2.15	1.46	1.50
14	aA	1133	CLA	CMB-C2B	-2.15	1.46	1.50
14	b2	502	CLA	CMB-C2B	-2.15	1.46	1.50
14	aA	1107	CLA	CHC-C1C	2.15	1.42	1.38
14	aB	1226	CLA	CHC-C1C	2.15	1.42	1.38
14	X	502	CLA	CHC-C1C	2.15	1.42	1.38
14	a4	508	CLA	CMB-C2B	-2.15	1.46	1.50
14	a6	502	CLA	CHC-C1C	2.14	1.42	1.38
14	b2	502	CLA	CHC-C1C	2.14	1.42	1.38
14	bB	1230	CLA	CMB-C2B	-2.14	1.46	1.50
14	b1	502	CLA	CHC-C1C	2.14	1.42	1.38
14	b6	507	CLA	CHC-C1C	2.14	1.42	1.38
14	n	505	CLA	CMD-C2D	-2.14	1.46	1.50
14	aA	1124	CLA	MG-NB	-2.14	2.01	2.05
14	bB	1238	CLA	MG-NB	-2.14	2.01	2.05
14	b2	516	CLA	CMD-C2D	-2.14	1.46	1.50
14	a4	505	CLA	CMD-C2D	-2.14	1.46	1.50
14	bA	1116	CLA	CMC-C2C	-2.14	1.46	1.50
14	bK	1103	CLA	CBD-CAD	2.14	1.56	1.51
14	d	502	CLA	CHC-C1C	2.14	1.42	1.38
14	cA	1107	CLA	CHC-C1C	2.14	1.42	1.38
14	W	502	CLA	CHC-C1C	2.14	1.42	1.38
14	c3	508	CLA	CMB-C2B	-2.14	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	c5	508	CLA	CMB-C2B	-2.14	1.46	1.50
14	T	505	CLA	CMD-C2D	-2.14	1.46	1.50
14	a1	508	CLA	CMC-C2C	-2.14	1.46	1.50
14	aK	1103	CLA	CBD-CAD	2.14	1.56	1.51
14	c2	507	CLA	CHC-C1C	2.14	1.42	1.38
14	b2	508	CLA	CMB-C2B	-2.14	1.46	1.50
14	c4	502	CLA	CMB-C2B	-2.14	1.46	1.50
14	a2	507	CLA	CHC-C1C	2.14	1.42	1.38
14	g	512	CLA	CMD-C2D	-2.14	1.46	1.50
14	a	501	CLA	CMC-C2C	-2.14	1.46	1.50
14	c3	507	CLA	CHC-C1C	2.14	1.42	1.38
18	aA	5001	LHG	O7-C5	-2.14	1.41	1.46
14	c5	505	CLA	CMD-C2D	-2.14	1.46	1.50
14	S	508	CLA	CMC-C2C	-2.14	1.46	1.50
14	q	502	CLA	CHC-C1C	2.14	1.42	1.38
14	bA	1118	CLA	CHC-C1C	2.13	1.42	1.38
14	cB	1226	CLA	MG-NB	-2.13	2.01	2.05
14	q	516	CLA	MG-NB	-2.13	2.01	2.05
14	a1	502	CLA	CMB-C2B	-2.13	1.46	1.50
14	c6	505	CLA	CMD-C2D	-2.13	1.46	1.50
14	a3	508	CLA	CMB-C2B	-2.13	1.46	1.50
14	W	512	CLA	CMD-C2D	-2.13	1.46	1.50
14	o	502	CLA	CMB-C2B	-2.13	1.46	1.50
14	bA	1107	CLA	MG-NB	-2.13	2.01	2.05
14	c2	516	CLA	CMD-C2D	-2.13	1.46	1.50
14	a	512	CLA	CMD-C2D	-2.13	1.46	1.50
14	bB	1226	CLA	MG-NB	-2.13	2.01	2.05
14	cA	1113	CLA	MG-NB	-2.13	2.01	2.05
14	a5	501	CLA	CMD-C2D	-2.13	1.46	1.50
14	aA	1101	CLA	CMD-C2D	-2.13	1.46	1.50
14	a1	502	CLA	CHC-C1C	2.13	1.42	1.38
14	U	509	CLA	CMB-C2B	-2.13	1.46	1.50
14	Z	512	CLA	CMD-C2D	-2.13	1.46	1.50
14	j	508	CLA	CMC-C2C	-2.13	1.46	1.50
14	a2	504	CLA	MG-NB	-2.13	2.01	2.05
14	b5	502	CLA	CMB-C2B	-2.13	1.46	1.50
14	o	506	CLA	CMB-C2B	-2.13	1.46	1.50
14	l	517	CLA	MG-NB	-2.13	2.01	2.05
14	b1	502	CLA	CMB-C2B	-2.13	1.46	1.50
14	a4	502	CLA	CHC-C1C	2.13	1.42	1.38
14	cA	1107	CLA	MG-NB	-2.13	2.01	2.05
14	b4	508	CLA	CMB-C2B	-2.13	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
21	b2	5104	LMG	O7-C8	-2.13	1.41	1.46
14	l	507	CLA	CHC-C1C	2.13	1.42	1.38
14	g	509	CLA	CMD-C2D	-2.13	1.46	1.50
14	Y	502	CLA	CHC-C1C	2.13	1.42	1.38
14	a1	516	CLA	MG-NB	-2.13	2.01	2.05
14	aA	1112	CLA	CMC-C2C	-2.13	1.46	1.50
17	aI	4018	BCR	C30-C25	-2.13	1.51	1.53
14	aA	1133	CLA	MG-NB	-2.13	2.01	2.05
14	f	512	CLA	CMB-C2B	-2.13	1.46	1.50
14	aB	1023	CLA	CMC-C2C	-2.13	1.46	1.50
14	m	512	CLA	CMD-C2D	-2.13	1.46	1.50
14	c	517	CLA	MG-NB	-2.13	2.01	2.05
14	a5	505	CLA	CMD-C2D	-2.13	1.46	1.50
14	cB	1202	CLA	CMD-C2D	-2.13	1.46	1.50
14	cB	1205	CLA	CMD-C2D	-2.13	1.46	1.50
14	cB	1234	CLA	CMB-C2B	-2.13	1.46	1.50
14	l	502	CLA	CMB-C2B	-2.13	1.46	1.50
14	aA	1129	CLA	MG-NB	-2.13	2.01	2.05
14	a1	506	CLA	CMB-C2B	-2.13	1.46	1.50
18	bA	5002	LHG	P-O6	2.13	1.67	1.59
21	cB	5002	LMG	O7-C8	-2.12	1.41	1.46
14	a3	506	CLA	CMB-C2B	-2.12	1.46	1.50
14	bB	1216	CLA	CMB-C2B	-2.12	1.46	1.50
14	T	508	CLA	CMC-C2C	-2.12	1.46	1.50
14	aA	1127	CLA	CMD-C2D	-2.12	1.46	1.50
14	b4	505	CLA	CMD-C2D	-2.12	1.46	1.50
14	aB	1239	CLA	CMB-C2B	-2.12	1.46	1.50
14	b1	508	CLA	CMC-C2C	-2.12	1.46	1.50
14	d	505	CLA	CMD-C2D	-2.12	1.46	1.50
14	aB	1222	CLA	CMD-C2D	-2.12	1.46	1.50
14	bB	1205	CLA	CMD-C2D	-2.12	1.46	1.50
14	cA	1139	CLA	CMD-C2D	-2.12	1.46	1.50
14	cB	1230	CLA	CMB-C2B	-2.12	1.46	1.50
14	c3	502	CLA	CMB-C2B	-2.12	1.46	1.50
14	W	507	CLA	CHC-C1C	2.12	1.42	1.38
14	c1	501	CLA	CMD-C2D	-2.12	1.46	1.50
14	b	505	CLA	CMD-C2D	-2.12	1.46	1.50
14	aA	1116	CLA	CMC-C2C	-2.12	1.46	1.50
14	V	517	CLA	CMD-C2D	-2.12	1.46	1.50
14	aB	1207	CLA	CHC-C1C	2.12	1.42	1.38
14	V	502	CLA	CHC-C1C	2.12	1.42	1.38
14	e	505	CLA	CMD-C2D	-2.12	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	l	517	CLA	CMB-C2B	-2.12	1.46	1.50
14	m	505	CLA	CMD-C2D	-2.12	1.46	1.50
14	aB	1223	CLA	MG-NB	-2.12	2.01	2.05
14	aB	1227	CLA	MG-NB	-2.12	2.01	2.05
14	a1	508	CLA	CMB-C2B	-2.12	1.46	1.50
14	cB	1216	CLA	CMB-C2B	-2.12	1.46	1.50
14	V	502	CLA	CMD-C2D	-2.12	1.46	1.50
14	cA	1124	CLA	MG-NB	-2.12	2.01	2.05
14	b4	504	CLA	CMB-C2B	-2.12	1.46	1.50
14	cA	1133	CLA	MG-NB	-2.12	2.01	2.05
14	cL	1501	CLA	MG-NB	-2.12	2.01	2.05
14	cA	1129	CLA	MG-NB	-2.12	2.01	2.05
14	g	502	CLA	CHC-C1C	2.12	1.42	1.38
14	b3	508	CLA	CMB-C2B	-2.12	1.46	1.50
14	c2	502	CLA	CMB-C2B	-2.12	1.46	1.50
14	cA	1125	CLA	MG-NB	-2.12	2.01	2.05
14	cK	1103	CLA	CBD-CAD	2.12	1.56	1.51
14	bB	1207	CLA	CHC-C1C	2.12	1.42	1.38
14	cB	1221	CLA	CMD-C2D	-2.12	1.46	1.50
14	cB	1222	CLA	CMD-C2D	-2.12	1.46	1.50
14	W	509	CLA	CMD-C2D	-2.12	1.46	1.50
14	cA	1104	CLA	CMD-C2D	-2.12	1.46	1.50
14	X	502	CLA	CMB-C2B	-2.12	1.46	1.50
14	Y	502	CLA	CMD-C2D	-2.12	1.46	1.50
14	bB	1225	CLA	CMD-C2D	-2.12	1.46	1.50
14	c2	501	CLA	CMD-C2D	-2.12	1.46	1.50
18	cX	4021	LHG	O7-C5	-2.12	1.41	1.46
14	aA	1105	CLA	MG-NB	-2.12	2.01	2.05
14	o	505	CLA	CMD-C2D	-2.12	1.46	1.50
14	bA	1124	CLA	MG-NB	-2.12	2.01	2.05
14	b1	506	CLA	CMB-C2B	-2.12	1.46	1.50
14	c6	518	CLA	CMD-C2D	-2.12	1.46	1.50
14	X	502	CLA	CMD-C2D	-2.12	1.46	1.50
14	e	507	CLA	CHC-C1C	2.12	1.42	1.38
14	aA	1135	CLA	MG-NB	-2.12	2.01	2.05
14	b2	505	CLA	MG-NB	-2.12	2.01	2.05
14	U	516	CLA	MG-NB	-2.12	2.01	2.05
17	cI	4018	BCR	C30-C25	-2.11	1.51	1.53
14	c4	505	CLA	MG-NB	-2.11	2.01	2.05
14	a2	506	CLA	CMB-C2B	-2.11	1.46	1.50
14	V	505	CLA	CMD-C2D	-2.11	1.46	1.50
14	bA	1013	CLA	CMD-C2D	-2.11	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	cA	1107	CLA	CMD-C2D	-2.11	1.46	1.50
14	c5	502	CLA	CMB-C2B	-2.11	1.46	1.50
14	aA	1125	CLA	MG-NB	-2.11	2.01	2.05
14	bB	1206	CLA	MG-NB	-2.11	2.01	2.05
14	a3	502	CLA	CMB-C2B	-2.11	1.46	1.50
14	a6	501	CLA	CMD-C2D	-2.11	1.46	1.50
14	Z	502	CLA	CMD-C2D	-2.11	1.46	1.50
14	aB	1238	CLA	CMD-C2D	-2.11	1.46	1.50
14	a2	502	CLA	CMB-C2B	-2.11	1.46	1.50
14	Y	508	CLA	CMB-C2B	-2.11	1.46	1.50
14	a3	505	CLA	MG-NB	-2.11	2.01	2.05
14	e	516	CLA	CMD-C2D	-2.11	1.46	1.50
14	f	508	CLA	CMC-C2C	-2.11	1.46	1.50
14	b	502	CLA	CMB-C2B	-2.11	1.46	1.50
14	n	504	CLA	CMB-C2B	-2.11	1.46	1.50
14	b4	504	CLA	CMD-C2D	-2.11	1.46	1.50
14	c4	508	CLA	CMB-C2B	-2.11	1.46	1.50
14	q	512	CLA	CMD-C2D	-2.11	1.46	1.50
14	cA	1135	CLA	MG-NB	-2.11	2.01	2.05
14	W	506	CLA	MG-NB	-2.11	2.01	2.05
18	cA	5001	LHG	O7-C5	-2.11	1.41	1.46
14	c	505	CLA	CMD-C2D	-2.11	1.46	1.50
14	h	518	CLA	CMD-C2D	-2.11	1.46	1.50
14	bB	1211	CLA	CMD-C2D	-2.11	1.46	1.50
14	d	508	CLA	CMB-C2B	-2.11	1.46	1.50
14	k	505	CLA	CMD-C2D	-2.11	1.46	1.50
14	bA	1133	CLA	MG-NB	-2.11	2.01	2.05
14	d	502	CLA	CMD-C2D	-2.11	1.46	1.50
14	bA	1104	CLA	CMD-C2D	-2.11	1.46	1.50
14	q	506	CLA	CMB-C2B	-2.11	1.46	1.50
17	c2	523	BCR	C30-C25	-2.11	1.51	1.53
14	a6	504	CLA	MG-NB	-2.11	2.01	2.05
14	cB	1206	CLA	MG-NB	-2.11	2.01	2.05
14	a5	516	CLA	CMD-C2D	-2.11	1.46	1.50
14	b3	502	CLA	CMB-C2B	-2.11	1.46	1.50
14	cA	1101	CLA	CMD-C2D	-2.11	1.46	1.50
14	cA	1125	CLA	CMC-C2C	-2.11	1.46	1.50
14	cF	1301	CLA	CMB-C2B	-2.11	1.46	1.50
14	cA	1013	CLA	CMD-C2D	-2.11	1.46	1.50
14	cA	1126	CLA	CMD-C2D	-2.11	1.46	1.50
14	p	502	CLA	CMB-C2B	-2.11	1.46	1.50
14	cA	1112	CLA	CMC-C2C	-2.11	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	505	CLA	CMD-C2D	-2.11	1.46	1.50
14	aA	1124	CLA	CMD-C2D	-2.10	1.46	1.50
14	k	502	CLA	CMB-C2B	-2.10	1.46	1.50
14	a1	505	CLA	CMD-C2D	-2.10	1.46	1.50
14	b	508	CLA	CMC-C2C	-2.10	1.46	1.50
14	cA	1114	CLA	CMB-C2B	-2.10	1.46	1.50
14	c1	512	CLA	CMD-C2D	-2.10	1.46	1.50
14	n	512	CLA	CMB-C2B	-2.10	1.46	1.50
14	f	516	CLA	MG-NB	-2.10	2.01	2.05
14	j	516	CLA	MG-NB	-2.10	2.01	2.05
14	g	505	CLA	CMD-C2D	-2.10	1.46	1.50
14	bB	1239	CLA	CMB-C2B	-2.10	1.46	1.50
14	c3	506	CLA	CMB-C2B	-2.10	1.46	1.50
14	aB	1221	CLA	CMD-C2D	-2.10	1.46	1.50
14	Z	501	CLA	CMB-C2B	-2.10	1.46	1.50
14	p	505	CLA	CMD-C2D	-2.10	1.46	1.50
14	aA	1013	CLA	CMD-C2D	-2.10	1.46	1.50
14	a2	508	CLA	CMB-C2B	-2.10	1.46	1.50
14	a3	508	CLA	CMC-C2C	-2.10	1.46	1.50
14	b2	506	CLA	CMB-C2B	-2.10	1.46	1.50
14	bB	1205	CLA	MG-NB	-2.10	2.01	2.05
14	c5	506	CLA	MG-NB	-2.10	2.01	2.05
14	aB	1211	CLA	CMD-C2D	-2.10	1.46	1.50
14	cB	1239	CLA	CMB-C2B	-2.10	1.46	1.50
14	cB	1203	CLA	MG-NB	-2.10	2.01	2.05
14	aB	1209	CLA	CMB-C2B	-2.10	1.46	1.50
14	a5	502	CLA	CMB-C2B	-2.10	1.46	1.50
14	W	502	CLA	CMD-C2D	-2.10	1.46	1.50
14	k	511	CLA	CMD-C2D	-2.10	1.46	1.50
14	m	511	CLA	CMD-C2D	-2.10	1.46	1.50
14	q	502	CLA	CMB-C2B	-2.10	1.46	1.50
14	k	516	CLA	MG-NB	-2.10	2.01	2.05
14	bB	1221	CLA	CMD-C2D	-2.10	1.46	1.50
14	X	508	CLA	CMB-C2B	-2.10	1.46	1.50
14	aB	1238	CLA	MG-NB	-2.10	2.01	2.05
14	b2	507	CLA	MG-NB	-2.10	2.01	2.05
14	f	506	CLA	MG-NB	-2.10	2.01	2.05
14	aA	1125	CLA	CMC-C2C	-2.10	1.46	1.50
14	S	502	CLA	CMD-C2D	-2.10	1.46	1.50
14	U	508	CLA	CMC-C2C	-2.10	1.46	1.50
14	d	518	CLA	CMD-C2D	-2.10	1.46	1.50
14	c6	505	CLA	MG-NB	-2.10	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	W	505	CLA	MG-NB	-2.10	2.01	2.05
14	aB	1205	CLA	CMD-C2D	-2.10	1.46	1.50
20	cB	1852	SQD	O2-C2	-2.10	1.37	1.43
14	cF	1301	CLA	MG-NB	-2.10	2.01	2.05
14	b4	502	CLA	CMB-C2B	-2.10	1.46	1.50
14	cA	1117	CLA	CMB-C2B	-2.10	1.46	1.50
14	T	512	CLA	CMD-C2D	-2.10	1.46	1.50
14	V	509	CLA	CMD-C2D	-2.10	1.46	1.50
14	U	512	CLA	CHC-C1C	2.10	1.42	1.38
14	bA	1131	CLA	CMB-C2B	-2.10	1.46	1.50
14	c6	506	CLA	MG-NB	-2.10	2.01	2.05
14	S	506	CLA	MG-NB	-2.10	2.01	2.05
14	c3	501	CLA	CMD-C2D	-2.10	1.46	1.50
14	aA	1126	CLA	CMD-C2D	-2.10	1.46	1.50
14	bA	1124	CLA	CMD-C2D	-2.10	1.46	1.50
14	c5	503	CLA	CMD-C2D	-2.10	1.46	1.50
14	a	508	CLA	CMC-C2C	-2.10	1.46	1.50
14	e	506	CLA	CMB-C2B	-2.10	1.46	1.50
14	q	508	CLA	CMC-C2C	-2.10	1.46	1.50
14	a6	516	CLA	O2A-CGA	2.10	1.37	1.30
14	h	502	CLA	CMB-C2B	-2.10	1.46	1.50
14	n	501	CLA	CMD-C2D	-2.10	1.46	1.50
14	c4	506	CLA	CMB-C2B	-2.10	1.46	1.50
14	e	508	CLA	CMC-C2C	-2.10	1.46	1.50
14	j	502	CLA	CMB-C2B	-2.10	1.46	1.50
14	aB	1225	CLA	MG-NB	-2.10	2.01	2.05
14	p	509	CLA	MG-NB	-2.10	2.01	2.05
20	b3	822	SQD	O2-C2	-2.10	1.37	1.43
14	aA	1104	CLA	CMD-C2D	-2.09	1.46	1.50
14	bA	1118	CLA	CMB-C2B	-2.09	1.46	1.50
14	bA	1126	CLA	CMD-C2D	-2.09	1.46	1.50
14	cA	1237	CLA	CMD-C2D	-2.09	1.46	1.50
14	q	518	CLA	CMD-C2D	-2.09	1.46	1.50
14	aB	1203	CLA	MG-NB	-2.09	2.01	2.05
14	a2	504	CLA	CMB-C2B	-2.09	1.46	1.50
14	b4	518	CLA	CMD-C2D	-2.09	1.46	1.50
14	b	511	CLA	CMD-C2D	-2.09	1.46	1.50
14	j	505	CLA	CMD-C2D	-2.09	1.46	1.50
14	aL	1501	CLA	MG-NB	-2.09	2.01	2.05
15	aB	2002	PQN	C10-C5	-2.09	1.37	1.40
14	b5	506	CLA	CMB-C2B	-2.09	1.46	1.50
14	b6	518	CLA	CMD-C2D	-2.09	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	T	502	CLA	CMB-C2B	-2.09	1.46	1.50
14	cB	1207	CLA	CHC-C1C	2.09	1.42	1.38
14	b1	505	CLA	MG-NB	-2.09	2.01	2.05
14	c5	516	CLA	CMD-C2D	-2.09	1.46	1.50
14	k	518	CLA	CMD-C2D	-2.09	1.46	1.50
14	o	512	CLA	CMD-C2D	-2.09	1.46	1.50
14	a2	505	CLA	MG-NB	-2.09	2.01	2.05
14	aA	1128	CLA	CMD-C2D	-2.09	1.46	1.50
14	a6	502	CLA	CMB-C2B	-2.09	1.46	1.50
14	b5	508	CLA	CMC-C2C	-2.09	1.46	1.50
14	Y	512	CLA	CMD-C2D	-2.09	1.46	1.50
14	cA	1127	CLA	MG-NB	-2.09	2.01	2.05
14	c3	513	CLA	MG-NB	-2.09	2.01	2.05
14	c5	510	CLA	MG-NB	-2.09	2.01	2.05
15	cA	2001	PQN	C6-C5	2.09	1.43	1.39
14	bB	1202	CLA	CMD-C2D	-2.09	1.46	1.50
14	c4	518	CLA	CMD-C2D	-2.09	1.46	1.50
14	b	504	CLA	CMB-C2B	-2.09	1.46	1.50
14	a6	516	CLA	MG-NB	-2.09	2.01	2.05
14	a6	502	CLA	CMD-C2D	-2.09	1.46	1.50
14	f	506	CLA	CMB-C2B	-2.09	1.46	1.50
14	j	518	CLA	CMD-C2D	-2.09	1.46	1.50
14	h	508	CLA	CMB-C2B	-2.09	1.46	1.50
14	aA	1022	CLA	MG-NB	-2.09	2.01	2.05
14	a4	502	CLA	MG-NB	-2.09	2.01	2.05
14	bA	1127	CLA	MG-NB	-2.09	2.01	2.05
14	c3	505	CLA	MG-NB	-2.09	2.01	2.05
14	S	517	CLA	CMD-C2D	-2.09	1.46	1.50
14	a3	504	CLA	MG-NB	-2.09	2.01	2.05
14	aB	1216	CLA	CMB-C2B	-2.09	1.46	1.50
14	bB	1021	CLA	CMD-C2D	-2.09	1.46	1.50
14	bK	1103	CLA	CMD-C2D	-2.09	1.46	1.50
14	Z	508	CLA	CMC-C2C	-2.09	1.46	1.50
14	aA	1127	CLA	MG-NB	-2.09	2.01	2.05
14	a4	510	CLA	MG-NB	-2.09	2.01	2.05
14	a4	502	CLA	CMB-C2B	-2.09	1.46	1.50
14	a6	506	CLA	MG-NB	-2.09	2.01	2.05
14	cA	1119	CLA	MG-NB	-2.09	2.01	2.05
14	c1	506	CLA	MG-NB	-2.09	2.01	2.05
14	aA	1140	CLA	CMD-C2D	-2.09	1.46	1.50
14	a6	506	CLA	CMB-C2B	-2.09	1.46	1.50
14	cA	1116	CLA	CMD-C2D	-2.09	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	aA	1113	CLA	MG-NB	-2.09	2.01	2.05
14	l	508	CLA	CMB-C2B	-2.09	1.46	1.50
14	b5	516	CLA	MG-NB	-2.09	2.01	2.05
14	V	509	CLA	MG-NB	-2.09	2.01	2.05
14	a3	501	CLA	CMD-C2D	-2.09	1.46	1.50
14	bA	1011	CLA	CMD-C2D	-2.09	1.46	1.50
14	cA	1103	CLA	CMD-C2D	-2.09	1.46	1.50
14	S	501	CLA	CMB-C2B	-2.09	1.46	1.50
14	a6	518	CLA	MG-NB	-2.09	2.01	2.05
14	c2	505	CLA	MG-NB	-2.09	2.01	2.05
14	a2	502	CLA	CMD-C2D	-2.09	1.46	1.50
14	b2	508	CLA	CMC-C2C	-2.09	1.46	1.50
14	b6	503	CLA	CMD-C2D	-2.09	1.46	1.50
14	cA	1127	CLA	CMD-C2D	-2.09	1.46	1.50
14	cA	1131	CLA	CMD-C2D	-2.09	1.46	1.50
14	a	509	CLA	CMD-C2D	-2.09	1.46	1.50
14	f	505	CLA	CMD-C2D	-2.09	1.46	1.50
14	a2	506	CLA	MG-NB	-2.09	2.01	2.05
14	a5	518	CLA	MG-NB	-2.09	2.01	2.05
14	cB	1227	CLA	CMB-C2B	-2.09	1.46	1.50
14	cB	1238	CLA	MG-NB	-2.09	2.01	2.05
20	b5	822	SQD	O2-C2	-2.09	1.37	1.43
14	aA	1011	CLA	CMD-C2D	-2.09	1.46	1.50
14	aB	1230	CLA	CMC-C2C	-2.09	1.46	1.50
14	aF	1301	CLA	CMB-C2B	-2.09	1.46	1.50
14	bA	1125	CLA	CMC-C2C	-2.09	1.46	1.50
14	bB	1238	CLA	CMB-C2B	-2.09	1.46	1.50
14	l	512	CLA	CMD-C2D	-2.09	1.46	1.50
14	aA	1107	CLA	MG-NB	-2.09	2.01	2.05
14	cA	1022	CLA	MG-NB	-2.09	2.01	2.05
14	bA	1127	CLA	CMD-C2D	-2.09	1.46	1.50
14	c1	508	CLA	CMC-C2C	-2.09	1.46	1.50
14	h	508	CLA	CMC-C2C	-2.09	1.46	1.50
14	aB	1206	CLA	MG-NB	-2.08	2.01	2.05
14	bB	1228	CLA	MG-NB	-2.08	2.01	2.05
14	g	512	CLA	MG-NB	-2.08	2.01	2.05
14	bA	1116	CLA	CMD-C2D	-2.08	1.46	1.50
14	b3	506	CLA	CMB-C2B	-2.08	1.46	1.50
14	f	502	CLA	CMD-C2D	-2.08	1.46	1.50
14	X	506	CLA	CMB-C2B	-2.08	1.46	1.50
14	Y	509	CLA	CMD-C2D	-2.08	1.46	1.50
20	a3	822	SQD	O2-C2	-2.08	1.37	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	cA	1237	CLA	MG-NB	-2.08	2.01	2.05
21	aB	5002	LMG	O7-C8	-2.08	1.41	1.46
14	aB	1225	CLA	CMD-C2D	-2.08	1.46	1.50
14	cA	1115	CLA	CMD-C2D	-2.08	1.46	1.50
14	cA	1131	CLA	CMB-C2B	-2.08	1.46	1.50
14	bA	1105	CLA	MG-NB	-2.08	2.01	2.05
14	bB	1224	CLA	MG-NB	-2.08	2.01	2.05
14	b5	502	CLA	MG-NB	-2.08	2.01	2.05
14	a5	512	CLA	CMD-C2D	-2.08	1.46	1.50
14	a2	519	CLA	MG-NB	-2.08	2.01	2.05
14	c1	502	CLA	MG-NB	-2.08	2.01	2.05
14	X	510	CLA	MG-NB	-2.08	2.01	2.05
14	a2	511	CLA	CMB-C2B	-2.08	1.46	1.50
14	bB	1234	CLA	CMB-C2B	-2.08	1.46	1.50
14	cA	1022	CLA	CMD-C2D	-2.08	1.46	1.50
14	i	508	CLA	CMB-C2B	-2.08	1.46	1.50
15	bB	2002	PQN	C10-C5	-2.08	1.37	1.40
14	q	505	CLA	MG-NB	-2.08	2.01	2.05
14	q	506	CLA	MG-NB	-2.08	2.01	2.05
14	S	502	CLA	CMB-C2B	-2.08	1.46	1.50
14	T	502	CLA	CMD-C2D	-2.08	1.46	1.50
14	c4	512	CLA	CMB-C2B	-2.08	1.46	1.50
14	a	502	CLA	CMD-C2D	-2.08	1.46	1.50
14	g	502	CLA	CMD-C2D	-2.08	1.46	1.50
14	b5	517	CLA	MG-NB	-2.08	2.01	2.05
14	q	518	CLA	MG-NB	-2.08	2.01	2.05
20	bB	1852	SQD	O2-C2	-2.08	1.37	1.43
14	bB	1023	CLA	CMD-C2D	-2.08	1.46	1.50
14	cA	1116	CLA	CMC-C2C	-2.08	1.46	1.50
14	a4	507	CLA	MG-NB	-2.08	2.01	2.05
14	bA	1129	CLA	MG-NB	-2.08	2.01	2.05
14	c5	511	CLA	MG-NB	-2.08	2.01	2.05
14	c6	511	CLA	MG-NB	-2.08	2.01	2.05
14	Y	505	CLA	MG-NB	-2.08	2.01	2.05
14	l	505	CLA	MG-NB	-2.08	2.01	2.05
14	b1	502	CLA	CMD-C2D	-2.08	1.46	1.50
14	b3	504	CLA	CMD-C2D	-2.08	1.46	1.50
14	b3	508	CLA	CMC-C2C	-2.08	1.46	1.50
14	c4	508	CLA	CMC-C2C	-2.08	1.46	1.50
14	h	518	CLA	MG-NB	-2.08	2.01	2.05
14	a2	503	CLA	CMD-C2D	-2.08	1.46	1.50
14	bB	1232	CLA	MG-NB	-2.08	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	X	505	CLA	MG-NB	-2.08	2.01	2.05
14	c3	518	CLA	CMD-C2D	-2.08	1.46	1.50
14	c	502	CLA	CMB-C2B	-2.08	1.46	1.50
14	cA	1117	CLA	MG-NB	-2.08	2.01	2.05
14	c2	506	CLA	MG-NB	-2.08	2.01	2.05
14	c2	509	CLA	MG-NB	-2.08	2.01	2.05
14	a3	519	CLA	CMB-C2B	-2.08	1.46	1.50
14	cJ	1303	CLA	CMD-C2D	-2.08	1.46	1.50
14	h	511	CLA	CMD-C2D	-2.08	1.46	1.50
14	n	517	CLA	CMD-C2D	-2.08	1.46	1.50
14	bA	1101	CLA	MG-NB	-2.08	2.01	2.05
14	b3	506	CLA	MG-NB	-2.08	2.01	2.05
14	n	512	CLA	MG-NB	-2.08	2.01	2.05
14	bF	1301	CLA	CMB-C2B	-2.08	1.46	1.50
14	aA	1117	CLA	CMB-C2B	-2.08	1.46	1.50
14	b5	508	CLA	CMB-C2B	-2.08	1.46	1.50
14	c6	502	CLA	CMB-C2B	-2.08	1.46	1.50
14	c	501	CLA	CMC-C2C	-2.08	1.46	1.50
14	p	506	CLA	CMB-C2B	-2.08	1.46	1.50
14	a2	502	CLA	MG-NB	-2.08	2.01	2.05
14	bA	1119	CLA	MG-NB	-2.08	2.01	2.05
14	aB	1230	CLA	CMD-C2D	-2.08	1.46	1.50
14	a4	506	CLA	CMB-C2B	-2.08	1.46	1.50
14	b4	506	CLA	CMB-C2B	-2.08	1.46	1.50
14	b6	502	CLA	CMB-C2B	-2.08	1.46	1.50
14	b2	518	CLA	MG-NB	-2.08	2.01	2.05
14	aB	1234	CLA	CMB-C2B	-2.08	1.46	1.50
14	c2	516	CLA	CMB-C2B	-2.08	1.46	1.50
14	h	505	CLA	CMD-C2D	-2.08	1.46	1.50
14	aA	1801	CLA	MG-NB	-2.08	2.01	2.05
14	a3	506	CLA	MG-NB	-2.08	2.01	2.05
14	bA	1013	CLA	MG-NB	-2.08	2.01	2.05
14	Y	518	CLA	MG-NB	-2.08	2.01	2.05
14	d	504	CLA	CMB-C2B	-2.08	1.46	1.50
14	h	509	CLA	CMD-C2D	-2.08	1.46	1.50
14	j	502	CLA	CMD-C2D	-2.08	1.46	1.50
14	a5	516	CLA	MG-NB	-2.08	2.01	2.05
14	bA	1135	CLA	MG-NB	-2.08	2.01	2.05
14	j	506	CLA	MG-NB	-2.08	2.01	2.05
14	o	506	CLA	MG-NB	-2.08	2.01	2.05
14	a3	507	CLA	CMD-C2D	-2.08	1.46	1.50
14	cA	1022	CLA	CMB-C2B	-2.08	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	cB	1023	CLA	CMD-C2D	-2.08	1.46	1.50
14	c1	502	CLA	CMD-C2D	-2.08	1.46	1.50
14	j	506	CLA	CMB-C2B	-2.08	1.46	1.50
14	q	512	CLA	CMB-C2B	-2.08	1.46	1.50
14	aA	1237	CLA	MG-NB	-2.08	2.01	2.05
14	bB	1223	CLA	MG-NB	-2.08	2.01	2.05
14	b6	508	CLA	CMB-C2B	-2.08	1.46	1.50
14	c6	501	CLA	CMD-C2D	-2.08	1.46	1.50
14	c	509	CLA	CMB-C2B	-2.08	1.46	1.50
14	n	517	CLA	CMB-C2B	-2.08	1.46	1.50
14	S	505	CLA	MG-NB	-2.08	2.01	2.05
14	aA	1131	CLA	CMB-C2B	-2.07	1.46	1.50
14	a1	502	CLA	CMD-C2D	-2.07	1.46	1.50
14	a6	504	CLA	CMB-C2B	-2.07	1.46	1.50
14	bB	1224	CLA	CMD-C2D	-2.07	1.46	1.50
14	b2	502	CLA	CMD-C2D	-2.07	1.46	1.50
14	c3	501	CLA	CMC-C2C	-2.07	1.46	1.50
14	W	502	CLA	CMB-C2B	-2.07	1.46	1.50
14	b	519	CLA	CMB-C2B	-2.07	1.46	1.50
14	aA	1013	CLA	MG-NB	-2.07	2.01	2.05
14	aB	1204	CLA	MG-NB	-2.07	2.01	2.05
14	b2	506	CLA	MG-NB	-2.07	2.01	2.05
14	a6	508	CLA	CMC-C2C	-2.07	1.46	1.50
14	Y	508	CLA	CMC-C2C	-2.07	1.46	1.50
14	e	502	CLA	CMB-C2B	-2.07	1.46	1.50
14	k	511	CLA	CMB-C2B	-2.07	1.46	1.50
14	b1	506	CLA	MG-NB	-2.07	2.01	2.05
15	bA	2001	PQN	C6-C5	2.07	1.43	1.39
14	aA	1139	CLA	CMD-C2D	-2.07	1.46	1.50
14	aA	1140	CLA	CMB-C2B	-2.07	1.46	1.50
14	c2	506	CLA	CMB-C2B	-2.07	1.46	1.50
14	c2	508	CLA	CMC-C2C	-2.07	1.46	1.50
14	c	508	CLA	CMB-C2B	-2.07	1.46	1.50
14	i	502	CLA	CMB-C2B	-2.07	1.46	1.50
14	cA	1123	CLA	MG-NB	-2.07	2.01	2.05
14	c3	502	CLA	MG-NB	-2.07	2.01	2.05
14	n	507	CLA	MG-NB	-2.07	2.01	2.05
14	aB	1206	CLA	CMD-C2D	-2.07	1.46	1.50
14	cA	1135	CLA	CMD-C2D	-2.07	1.46	1.50
14	cB	1225	CLA	CMD-C2D	-2.07	1.46	1.50
14	aA	1119	CLA	MG-NB	-2.07	2.01	2.05
14	b2	502	CLA	MG-NB	-2.07	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	cB	1227	CLA	MG-NB	-2.07	2.01	2.05
14	aA	1114	CLA	CMB-C2B	-2.07	1.46	1.50
14	bA	1112	CLA	CMC-C2C	-2.07	1.46	1.50
14	Z	502	CLA	CMB-C2B	-2.07	1.46	1.50
14	m	508	CLA	CMC-C2C	-2.07	1.46	1.50
14	a3	509	CLA	MG-NB	-2.07	2.01	2.05
14	p	504	CLA	MG-NB	-2.07	2.01	2.05
14	cA	1127	CLA	CMB-C2B	-2.07	1.46	1.50
14	c5	508	CLA	CMC-C2C	-2.07	1.46	1.50
14	a2	511	CLA	MG-NB	-2.07	2.01	2.05
14	bA	1120	CLA	MG-NB	-2.07	2.01	2.05
14	bL	1501	CLA	MG-NB	-2.07	2.01	2.05
14	c6	507	CLA	MG-NB	-2.07	2.01	2.05
14	i	516	CLA	MG-NB	-2.07	2.01	2.05
14	aB	1214	CLA	CMC-C2C	-2.07	1.46	1.50
14	b5	518	CLA	CMD-C2D	-2.07	1.46	1.50
14	V	506	CLA	CMB-C2B	-2.07	1.46	1.50
14	j	512	CLA	CMD-C2D	-2.07	1.46	1.50
14	q	502	CLA	CMD-C2D	-2.07	1.46	1.50
14	a5	507	CLA	MG-NB	-2.07	2.01	2.05
14	q	502	CLA	MG-NB	-2.07	2.01	2.05
14	c5	517	CLA	CMD-C2D	-2.07	1.46	1.50
14	Y	506	CLA	CMB-C2B	-2.07	1.46	1.50
14	d	502	CLA	CMB-C2B	-2.07	1.46	1.50
14	aB	1216	CLA	MG-NB	-2.07	2.01	2.05
14	bB	1209	CLA	CMB-C2B	-2.07	1.46	1.50
14	cB	1012	CLA	CMD-C2D	-2.07	1.46	1.50
14	U	502	CLA	CMD-C2D	-2.07	1.46	1.50
14	V	508	CLA	CMB-C2B	-2.07	1.46	1.50
17	bI	4018	BCR	C30-C25	-2.07	1.51	1.53
14	a3	510	CLA	MG-NB	-2.07	2.01	2.05
14	a6	509	CLA	MG-NB	-2.07	2.01	2.05
14	a6	510	CLA	MG-NB	-2.07	2.01	2.05
14	b1	512	CLA	MG-NB	-2.07	2.01	2.05
14	aB	1239	CLA	CMD-C2D	-2.07	1.46	1.50
14	bA	1139	CLA	CMD-C2D	-2.07	1.46	1.50
14	c6	506	CLA	CMD-C2D	-2.07	1.46	1.50
15	cB	2002	PQN	C2M-C2	2.07	1.55	1.50
14	a1	513	CLA	MG-NB	-2.07	2.01	2.05
14	j	518	CLA	MG-NB	-2.07	2.01	2.05
14	aA	1127	CLA	CMB-C2B	-2.07	1.46	1.50
14	a4	516	CLA	CMD-C2D	-2.07	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	c2	502	CLA	CMD-C2D	-2.07	1.46	1.50
14	a4	505	CLA	MG-NB	-2.07	2.01	2.05
14	aB	1021	CLA	CMD-C2D	-2.07	1.46	1.50
14	b3	502	CLA	CMD-C2D	-2.07	1.46	1.50
14	c2	518	CLA	CMD-C2D	-2.07	1.46	1.50
14	e	518	CLA	CMD-C2D	-2.07	1.46	1.50
20	b4	822	SQD	O2-C2	-2.07	1.37	1.43
14	a1	506	CLA	MG-NB	-2.07	2.01	2.05
14	a4	518	CLA	MG-NB	-2.07	2.01	2.05
14	W	513	CLA	MG-NB	-2.07	2.01	2.05
14	e	511	CLA	MG-NB	-2.07	2.01	2.05
14	b1	501	CLA	CMD-C2D	-2.07	1.46	1.50
14	cB	1211	CLA	CMD-C2D	-2.07	1.46	1.50
14	c	509	CLA	CMD-C2D	-2.07	1.46	1.50
14	b3	505	CLA	MG-NB	-2.07	2.01	2.05
14	V	511	CLA	MG-NB	-2.07	2.01	2.05
14	V	513	CLA	MG-NB	-2.07	2.01	2.05
14	i	505	CLA	MG-NB	-2.07	2.01	2.05
14	b2	512	CLA	CMD-C2D	-2.07	1.46	1.50
14	cB	1229	CLA	CMB-C2B	-2.07	1.46	1.50
14	c1	509	CLA	CMD-C2D	-2.07	1.46	1.50
14	U	506	CLA	CMB-C2B	-2.07	1.46	1.50
14	d	508	CLA	CMC-C2C	-2.07	1.46	1.50
14	k	512	CLA	CMD-C2D	-2.07	1.46	1.50
14	bK	1103	CLA	MG-NB	-2.07	2.01	2.05
14	S	512	CLA	MG-NB	-2.07	2.01	2.05
14	bA	1103	CLA	CMD-C2D	-2.07	1.46	1.50
14	bA	1140	CLA	CMD-C2D	-2.07	1.46	1.50
14	cB	1206	CLA	CMD-C2D	-2.07	1.46	1.50
14	c4	512	CLA	CMD-C2D	-2.07	1.46	1.50
14	bA	1106	CLA	MG-NB	-2.07	2.01	2.05
14	bB	1211	CLA	MG-NB	-2.07	2.01	2.05
14	c5	508	CLA	MG-NB	-2.07	2.01	2.05
14	Z	518	CLA	MG-NB	-2.07	2.01	2.05
14	b1	517	CLA	CMD-C2D	-2.07	1.46	1.50
14	cA	1011	CLA	CMD-C2D	-2.07	1.46	1.50
14	f	509	CLA	CMD-C2D	-2.07	1.46	1.50
14	o	509	CLA	CMD-C2D	-2.07	1.46	1.50
14	bB	1206	CLA	CMD-C2D	-2.07	1.46	1.50
14	cL	1503	CLA	CMD-C2D	-2.07	1.46	1.50
14	aL	1502	CLA	MG-NB	-2.07	2.01	2.05
14	b6	507	CLA	MG-NB	-2.07	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	cA	1105	CLA	MG-NB	-2.07	2.01	2.05
14	c6	510	CLA	MG-NB	-2.07	2.01	2.05
14	g	505	CLA	MG-NB	-2.07	2.01	2.05
14	aA	1115	CLA	CMD-C2D	-2.07	1.46	1.50
14	aL	1502	CLA	CMD-C2D	-2.07	1.46	1.50
14	a5	503	CLA	CMD-C2D	-2.07	1.46	1.50
14	c4	511	CLA	CMD-C2D	-2.07	1.46	1.50
14	V	511	CLA	CMB-C2B	-2.07	1.46	1.50
14	a5	511	CLA	MG-NB	-2.07	2.01	2.05
14	c4	518	CLA	MG-NB	-2.07	2.01	2.05
14	X	511	CLA	MG-NB	-2.07	2.01	2.05
14	p	519	CLA	MG-NB	-2.07	2.01	2.05
14	bA	1237	CLA	CMD-C2D	-2.07	1.46	1.50
14	cA	1124	CLA	CMD-C2D	-2.07	1.46	1.50
14	c1	518	CLA	CMD-C2D	-2.07	1.46	1.50
14	c3	502	CLA	CMD-C2D	-2.07	1.46	1.50
14	bA	1801	CLA	MG-NB	-2.07	2.01	2.05
14	b5	506	CLA	MG-NB	-2.07	2.01	2.05
14	cB	1205	CLA	MG-NB	-2.07	2.01	2.05
14	cB	1217	CLA	MG-NB	-2.07	2.01	2.05
14	b	507	CLA	MG-NB	-2.07	2.01	2.05
14	p	505	CLA	MG-NB	-2.07	2.01	2.05
14	a2	501	CLA	CMD-C2D	-2.07	1.46	1.50
14	cA	1121	CLA	CMD-C2D	-2.07	1.46	1.50
14	cB	1217	CLA	CMD-C2D	-2.07	1.46	1.50
14	a	506	CLA	CMB-C2B	-2.07	1.46	1.50
14	d	512	CLA	CMD-C2D	-2.07	1.46	1.50
14	p	509	CLA	CMD-C2D	-2.07	1.46	1.50
14	aA	1101	CLA	MG-NB	-2.07	2.01	2.05
14	a1	505	CLA	MG-NB	-2.07	2.01	2.05
14	a2	510	CLA	MG-NB	-2.07	2.01	2.05
14	cB	1208	CLA	MG-NB	-2.07	2.01	2.05
14	bB	1235	CLA	CMD-C2D	-2.06	1.46	1.50
14	b3	512	CLA	CMB-C2B	-2.06	1.46	1.50
14	c4	516	CLA	CMD-C2D	-2.06	1.46	1.50
14	d	508	CLA	CMD-C2D	-2.06	1.46	1.50
15	aB	2002	PQN	C2M-C2	2.06	1.55	1.50
14	bB	1225	CLA	MG-NB	-2.06	2.01	2.05
14	b4	507	CLA	MG-NB	-2.06	2.01	2.05
14	b6	510	CLA	MG-NB	-2.06	2.01	2.05
14	cB	1225	CLA	MG-NB	-2.06	2.01	2.05
14	o	502	CLA	MG-NB	-2.06	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	bA	1117	CLA	CMB-C2B	-2.06	1.46	1.50
14	c6	508	CLA	CMB-C2B	-2.06	1.46	1.50
14	X	509	CLA	CMD-C2D	-2.06	1.46	1.50
14	e	511	CLA	CMD-C2D	-2.06	1.46	1.50
14	l	506	CLA	CMB-C2B	-2.06	1.46	1.50
14	a5	519	CLA	MG-NB	-2.06	2.01	2.05
14	aB	1229	CLA	CMB-C2B	-2.06	1.46	1.50
14	a	517	CLA	CMD-C2D	-2.06	1.46	1.50
14	aA	1122	CLA	MG-NB	-2.06	2.01	2.05
14	bA	1132	CLA	MG-NB	-2.06	2.01	2.05
14	T	502	CLA	MG-NB	-2.06	2.01	2.05
14	W	510	CLA	MG-NB	-2.06	2.01	2.05
14	X	512	CLA	MG-NB	-2.06	2.01	2.05
14	Y	507	CLA	MG-NB	-2.06	2.01	2.05
17	a4	523	BCR	C1-C6	-2.06	1.51	1.53
21	bB	5002	LMG	O7-C8	-2.06	1.41	1.46
14	b3	501	CLA	CMD-C2D	-2.06	1.46	1.50
14	cA	1128	CLA	CMD-C2D	-2.06	1.46	1.50
14	c	518	CLA	CMD-C2D	-2.06	1.46	1.50
14	a5	502	CLA	MG-NB	-2.06	2.01	2.05
14	b3	502	CLA	MG-NB	-2.06	2.01	2.05
14	a5	506	CLA	CMB-C2B	-2.06	1.46	1.50
14	bA	1131	CLA	CMD-C2D	-2.06	1.46	1.50
14	U	517	CLA	CMD-C2D	-2.06	1.46	1.50
14	Y	504	CLA	CMB-C2B	-2.06	1.46	1.50
14	Z	509	CLA	CMD-C2D	-2.06	1.46	1.50
14	j	517	CLA	CMD-C2D	-2.06	1.46	1.50
14	q	511	CLA	CMB-C2B	-2.06	1.46	1.50
14	aL	1503	CLA	MG-NB	-2.06	2.01	2.05
14	bA	1110	CLA	MG-NB	-2.06	2.01	2.05
14	cA	1013	CLA	MG-NB	-2.06	2.01	2.05
14	c5	505	CLA	MG-NB	-2.06	2.01	2.05
14	a4	508	CLA	CMC-C2C	-2.06	1.46	1.50
14	bB	1205	CLA	CMB-C2B	-2.06	1.46	1.50
14	cK	1103	CLA	CMD-C2D	-2.06	1.46	1.50
14	c2	504	CLA	CMD-C2D	-2.06	1.46	1.50
14	S	506	CLA	CMB-C2B	-2.06	1.46	1.50
14	V	504	CLA	CMB-C2B	-2.06	1.46	1.50
14	V	517	CLA	CMB-C2B	-2.06	1.46	1.50
14	n	504	CLA	MG-NB	-2.06	2.01	2.05
14	bB	1217	CLA	CMD-C2D	-2.06	1.46	1.50
14	bB	1231	CLA	CMB-C2B	-2.06	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b1	501	CLA	CMB-C2B	-2.06	1.46	1.50
14	cB	1238	CLA	CMD-C2D	-2.06	1.46	1.50
14	W	504	CLA	CMD-C2D	-2.06	1.46	1.50
14	g	506	CLA	CMB-C2B	-2.06	1.46	1.50
14	b6	501	CLA	MG-NB	-2.06	2.01	2.05
14	aA	1113	CLA	CMD-C2D	-2.06	1.46	1.50
14	a5	502	CLA	CMD-C2D	-2.06	1.46	1.50
14	X	519	CLA	CMB-C2B	-2.06	1.46	1.50
14	Y	501	CLA	CMC-C2C	-2.06	1.46	1.50
14	aB	1211	CLA	MG-NB	-2.06	2.01	2.05
14	a3	507	CLA	MG-NB	-2.06	2.01	2.05
14	b6	513	CLA	MG-NB	-2.06	2.01	2.05
14	e	516	CLA	MG-NB	-2.06	2.01	2.05
14	n	518	CLA	MG-NB	-2.06	2.01	2.05
14	aA	1110	CLA	CMB-C2B	-2.06	1.46	1.50
14	aA	1237	CLA	CMD-C2D	-2.06	1.46	1.50
14	aL	1501	CLA	CMD-C2D	-2.06	1.46	1.50
14	a4	518	CLA	CMD-C2D	-2.06	1.46	1.50
14	a5	518	CLA	CMD-C2D	-2.06	1.46	1.50
14	a6	518	CLA	CMD-C2D	-2.06	1.46	1.50
14	b4	501	CLA	CMC-C2C	-2.06	1.46	1.50
14	V	501	CLA	CMD-C2D	-2.06	1.46	1.50
14	W	508	CLA	CMC-C2C	-2.06	1.46	1.50
14	c	511	CLA	CMD-C2D	-2.06	1.46	1.50
14	f	502	CLA	CMB-C2B	-2.06	1.46	1.50
14	j	509	CLA	CMB-C2B	-2.06	1.46	1.50
14	aJ	1302	CLA	MG-NB	-2.06	2.01	2.05
14	bB	1213	CLA	MG-NB	-2.06	2.01	2.05
14	cA	1801	CLA	MG-NB	-2.06	2.01	2.05
14	c6	509	CLA	MG-NB	-2.06	2.01	2.05
14	a	517	CLA	MG-NB	-2.06	2.01	2.05
14	bA	1129	CLA	CMB-C2B	-2.06	1.46	1.50
14	c3	519	CLA	CMD-C2D	-2.06	1.46	1.50
14	l	511	CLA	CMD-C2D	-2.06	1.46	1.50
14	b5	507	CLA	MG-NB	-2.06	2.01	2.05
14	a	512	CLA	MG-NB	-2.06	2.01	2.05
15	aA	2001	PQN	C6-C5	2.06	1.43	1.39
14	aB	1023	CLA	CMD-C2D	-2.06	1.46	1.50
14	a4	510	CLA	CMD-C2D	-2.06	1.46	1.50
14	b5	512	CLA	CMD-C2D	-2.06	1.46	1.50
14	T	513	CLA	CMD-C2D	-2.06	1.46	1.50
14	X	511	CLA	CMD-C2D	-2.06	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	501	CLA	CMD-C2D	-2.06	1.46	1.50
14	Y	518	CLA	CMD-C2D	-2.06	1.46	1.50
14	Z	504	CLA	CMB-C2B	-2.06	1.46	1.50
14	bA	1130	CLA	MG-NB	-2.06	2.01	2.05
14	cB	1213	CLA	MG-NB	-2.06	2.01	2.05
14	aA	1107	CLA	CMB-C2B	-2.06	1.46	1.50
14	aB	1224	CLA	CMD-C2D	-2.06	1.46	1.50
14	a5	508	CLA	CMC-C2C	-2.06	1.46	1.50
14	e	517	CLA	CMD-C2D	-2.06	1.46	1.50
14	f	512	CLA	CMD-C2D	-2.06	1.46	1.50
14	aA	1108	CLA	MG-NB	-2.06	2.01	2.05
14	bF	1301	CLA	MG-NB	-2.06	2.01	2.05
14	c4	507	CLA	MG-NB	-2.06	2.01	2.05
14	c4	504	CLA	CMD-C2D	-2.06	1.46	1.50
14	f	501	CLA	CMD-C2D	-2.06	1.46	1.50
14	a3	518	CLA	MG-NB	-2.06	2.01	2.05
14	c3	509	CLA	MG-NB	-2.06	2.01	2.05
14	b	518	CLA	MG-NB	-2.06	2.01	2.05
14	a5	507	CLA	CMD-C2D	-2.06	1.46	1.50
14	b4	502	CLA	CMD-C2D	-2.06	1.46	1.50
14	b6	511	CLA	CMB-C2B	-2.06	1.46	1.50
14	c2	517	CLA	CMD-C2D	-2.06	1.46	1.50
14	Z	508	CLA	CMB-C2B	-2.06	1.46	1.50
14	Z	517	CLA	CMD-C2D	-2.06	1.46	1.50
14	q	509	CLA	CMD-C2D	-2.06	1.46	1.50
14	bL	1502	CLA	MG-NB	-2.06	2.01	2.05
14	c1	512	CLA	MG-NB	-2.06	2.01	2.05
14	V	517	CLA	MG-NB	-2.06	2.01	2.05
15	bA	2001	PQN	C10-C5	-2.06	1.37	1.40
14	aA	1118	CLA	CMD-C2D	-2.06	1.46	1.50
14	a6	509	CLA	CMD-C2D	-2.06	1.46	1.50
14	bB	1229	CLA	CMB-C2B	-2.06	1.46	1.50
14	b1	509	CLA	CMD-C2D	-2.06	1.46	1.50
14	cB	1224	CLA	CMD-C2D	-2.06	1.46	1.50
14	cB	1235	CLA	CMD-C2D	-2.06	1.46	1.50
14	T	506	CLA	CMB-C2B	-2.06	1.46	1.50
14	l	510	CLA	CMD-C2D	-2.06	1.46	1.50
14	aB	1221	CLA	MG-NB	-2.06	2.01	2.05
14	aA	1022	CLA	CMD-C2D	-2.06	1.46	1.50
14	a2	516	CLA	CMD-C2D	-2.06	1.46	1.50
14	a4	509	CLA	CMD-C2D	-2.06	1.46	1.50
14	c3	517	CLA	CMD-C2D	-2.06	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	i	512	CLA	CMD-C2D	-2.06	1.46	1.50
14	k	504	CLA	CMD-C2D	-2.06	1.46	1.50
14	aB	1235	CLA	MG-NB	-2.06	2.01	2.05
14	b3	518	CLA	MG-NB	-2.06	2.01	2.05
14	c4	502	CLA	MG-NB	-2.06	2.01	2.05
14	o	517	CLA	MG-NB	-2.06	2.01	2.05
14	aA	1132	CLA	CMB-C2B	-2.06	1.46	1.50
14	a3	504	CLA	CMD-C2D	-2.06	1.46	1.50
14	cA	1111	CLA	CMD-C2D	-2.06	1.46	1.50
14	c5	508	CLA	CMD-C2D	-2.06	1.46	1.50
14	aA	1116	CLA	MG-NB	-2.06	2.01	2.05
14	a3	502	CLA	MG-NB	-2.06	2.01	2.05
14	b1	518	CLA	MG-NB	-2.06	2.01	2.05
14	bA	1801	CLA	CMD-C2D	-2.06	1.46	1.50
14	bB	1220	CLA	CMD-C2D	-2.06	1.46	1.50
14	cA	1130	CLA	CMD-C2D	-2.06	1.46	1.50
14	cB	1204	CLA	CMD-C2D	-2.06	1.46	1.50
14	b	512	CLA	CMB-C2B	-2.06	1.46	1.50
14	i	511	CLA	CMB-C2B	-2.06	1.46	1.50
14	aB	1210	CLA	MG-NB	-2.06	2.01	2.05
14	a1	509	CLA	MG-NB	-2.06	2.01	2.05
14	a6	505	CLA	MG-NB	-2.06	2.01	2.05
14	a	511	CLA	MG-NB	-2.06	2.01	2.05
14	h	505	CLA	MG-NB	-2.06	2.01	2.05
14	aA	1116	CLA	CMD-C2D	-2.06	1.46	1.50
14	aB	1012	CLA	CMD-C2D	-2.06	1.46	1.50
14	bB	1218	CLA	CMB-C2B	-2.06	1.46	1.50
14	b5	511	CLA	CMB-C2B	-2.06	1.46	1.50
14	b6	507	CLA	CMD-C2D	-2.06	1.46	1.50
14	e	501	CLA	CMB-C2B	-2.06	1.46	1.50
14	h	512	CLA	CMB-C2B	-2.06	1.46	1.50
14	bA	1237	CLA	MG-NB	-2.06	2.01	2.05
14	V	510	CLA	MG-NB	-2.06	2.01	2.05
14	X	506	CLA	MG-NB	-2.06	2.01	2.05
14	bL	1502	CLA	CMD-C2D	-2.06	1.46	1.50
14	cA	1138	CLA	CMB-C2B	-2.06	1.46	1.50
14	c5	518	CLA	CMD-C2D	-2.06	1.46	1.50
14	U	508	CLA	CMB-C2B	-2.06	1.46	1.50
14	h	512	CLA	CMD-C2D	-2.06	1.46	1.50
14	a5	505	CLA	MG-NB	-2.06	2.01	2.05
14	a5	506	CLA	MG-NB	-2.06	2.01	2.05
14	S	503	CLA	MG-NB	-2.06	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	505	CLA	MG-NB	-2.06	2.01	2.05
14	a	513	CLA	MG-NB	-2.06	2.01	2.05
14	g	509	CLA	MG-NB	-2.06	2.01	2.05
14	h	506	CLA	MG-NB	-2.06	2.01	2.05
14	aK	1103	CLA	CMD-C2D	-2.05	1.46	1.50
14	bK	1103	CLA	CMB-C2B	-2.05	1.46	1.50
14	c2	501	CLA	CMB-C2B	-2.05	1.46	1.50
14	Z	501	CLA	CMD-C2D	-2.05	1.46	1.50
20	m	822	SQD	O2-C2	-2.05	1.37	1.43
14	aA	1110	CLA	MG-NB	-2.05	2.01	2.05
14	cB	1224	CLA	MG-NB	-2.05	2.01	2.05
14	a	506	CLA	MG-NB	-2.05	2.01	2.05
14	a4	507	CLA	CMD-C2D	-2.05	1.46	1.50
14	bB	1222	CLA	CMD-C2D	-2.05	1.46	1.50
14	b6	501	CLA	CMB-C2B	-2.05	1.46	1.50
14	e	509	CLA	CMB-C2B	-2.05	1.46	1.50
14	g	502	CLA	CMB-C2B	-2.05	1.46	1.50
14	o	504	CLA	CMB-C2B	-2.05	1.46	1.50
14	b3	510	CLA	MG-NB	-2.05	2.01	2.05
15	aA	2001	PQN	C2M-C2	2.05	1.55	1.50
14	aA	1106	CLA	CMD-C2D	-2.05	1.46	1.50
14	a2	512	CLA	CMD-C2D	-2.05	1.46	1.50
14	a6	518	CLA	CMB-C2B	-2.05	1.46	1.50
14	bA	1133	CLA	CMD-C2D	-2.05	1.46	1.50
14	bB	1216	CLA	CMD-C2D	-2.05	1.46	1.50
14	Z	506	CLA	MG-NB	-2.05	2.01	2.05
14	a	509	CLA	MG-NB	-2.05	2.01	2.05
14	aB	1227	CLA	CMB-C2B	-2.05	1.46	1.50
14	bA	1101	CLA	CMB-C2B	-2.05	1.46	1.50
14	b4	510	CLA	CMD-C2D	-2.05	1.46	1.50
14	b5	503	CLA	CMD-C2D	-2.05	1.46	1.50
14	cA	1132	CLA	CMB-C2B	-2.05	1.46	1.50
14	i	518	CLA	CMD-C2D	-2.05	1.46	1.50
14	cA	1115	CLA	MG-NB	-2.05	2.01	2.05
14	a4	518	CLA	CMB-C2B	-2.05	1.46	1.50
14	a5	511	CLA	CMB-C2B	-2.05	1.46	1.50
14	a5	517	CLA	CMB-C2B	-2.05	1.46	1.50
14	cA	1110	CLA	CMD-C2D	-2.05	1.46	1.50
14	c1	506	CLA	CMB-C2B	-2.05	1.46	1.50
14	c6	509	CLA	CMD-C2D	-2.05	1.46	1.50
14	bA	1116	CLA	MG-NB	-2.05	2.01	2.05
14	bA	1136	CLA	MG-NB	-2.05	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	cA	1121	CLA	CMB-C2B	-2.05	1.46	1.50
14	b	511	CLA	CMB-C2B	-2.05	1.46	1.50
14	m	504	CLA	CMB-C2B	-2.05	1.46	1.50
14	m	502	CLA	CMB-C2B	-2.05	1.46	1.50
14	o	512	CLA	CMB-C2B	-2.05	1.46	1.50
17	c6	523	BCR	C1-C6	-2.05	1.51	1.53
20	V	822	SQD	O2-C2	-2.05	1.37	1.43
14	a2	510	CLA	CMD-C2D	-2.05	1.46	1.50
14	bA	1022	CLA	CMD-C2D	-2.05	1.46	1.50
14	bB	1204	CLA	CMD-C2D	-2.05	1.46	1.50
14	aA	1112	CLA	MG-NB	-2.05	2.01	2.05
14	aB	1228	CLA	MG-NB	-2.05	2.01	2.05
14	a6	502	CLA	MG-NB	-2.05	2.01	2.05
14	bA	1112	CLA	MG-NB	-2.05	2.01	2.05
14	b5	508	CLA	MG-NB	-2.05	2.01	2.05
14	cB	1222	CLA	MG-NB	-2.05	2.01	2.05
14	c2	504	CLA	MG-NB	-2.05	2.01	2.05
14	m	502	CLA	MG-NB	-2.05	2.01	2.05
14	a3	502	CLA	CMD-C2D	-2.05	1.46	1.50
14	bA	1119	CLA	CMB-C2B	-2.05	1.46	1.50
14	b2	509	CLA	CMB-C2B	-2.05	1.46	1.50
14	cA	1108	CLA	CMB-C2B	-2.05	1.46	1.50
14	c2	503	CLA	CMD-C2D	-2.05	1.46	1.50
14	c6	504	CLA	CMB-C2B	-2.05	1.46	1.50
14	f	501	CLA	CMB-C2B	-2.05	1.46	1.50
14	h	502	CLA	CMD-C2D	-2.05	1.46	1.50
14	p	519	CLA	CMB-C2B	-2.05	1.46	1.50
14	bA	1125	CLA	MG-NB	-2.05	2.01	2.05
14	p	511	CLA	MG-NB	-2.05	2.01	2.05
14	q	509	CLA	MG-NB	-2.05	2.01	2.05
14	aB	1202	CLA	CMD-C2D	-2.05	1.46	1.50
14	aB	1215	CLA	CMD-C2D	-2.05	1.46	1.50
14	bA	1110	CLA	CMB-C2B	-2.05	1.46	1.50
14	cB	1021	CLA	CMD-C2D	-2.05	1.46	1.50
14	aA	1120	CLA	MG-NB	-2.05	2.01	2.05
14	a1	508	CLA	MG-NB	-2.05	2.01	2.05
14	a1	518	CLA	MG-NB	-2.05	2.01	2.05
14	a5	501	CLA	MG-NB	-2.05	2.01	2.05
14	b2	509	CLA	MG-NB	-2.05	2.01	2.05
14	e	513	CLA	MG-NB	-2.05	2.01	2.05
14	aA	1121	CLA	CMD-C2D	-2.05	1.46	1.50
14	V	501	CLA	CMC-C2C	-2.05	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	aA	1115	CLA	MG-NB	-2.05	2.01	2.05
14	a2	516	CLA	MG-NB	-2.05	2.01	2.05
14	a6	501	CLA	MG-NB	-2.05	2.01	2.05
14	a6	504	CLA	CMD-C2D	-2.05	1.46	1.50
14	b1	512	CLA	CMD-C2D	-2.05	1.46	1.50
14	cA	1123	CLA	CMD-C2D	-2.05	1.46	1.50
14	Y	519	CLA	CMD-C2D	-2.05	1.46	1.50
14	aB	1234	CLA	MG-NB	-2.05	2.01	2.05
14	bA	1115	CLA	MG-NB	-2.05	2.01	2.05
14	cB	1228	CLA	MG-NB	-2.05	2.01	2.05
14	cL	1503	CLA	MG-NB	-2.05	2.01	2.05
14	c1	507	CLA	MG-NB	-2.05	2.01	2.05
14	Z	501	CLA	MG-NB	-2.05	2.01	2.05
14	a	510	CLA	MG-NB	-2.05	2.01	2.05
14	p	506	CLA	MG-NB	-2.05	2.01	2.05
18	aA	5005	LHG	P-O6	2.05	1.67	1.59
14	a6	501	CLA	CMB-C2B	-2.05	1.46	1.50
14	bA	1129	CLA	CMD-C2D	-2.05	1.46	1.50
14	c5	507	CLA	CMD-C2D	-2.05	1.46	1.50
14	c	512	CLA	CMD-C2D	-2.05	1.46	1.50
14	l	512	CLA	CMB-C2B	-2.05	1.46	1.50
14	a2	509	CLA	MG-NB	-2.05	2.01	2.05
14	c5	518	CLA	MG-NB	-2.05	2.01	2.05
14	T	510	CLA	MG-NB	-2.05	2.01	2.05
14	aA	1137	CLA	CMB-C2B	-2.05	1.46	1.50
14	a1	511	CLA	CMD-C2D	-2.05	1.46	1.50
14	a2	507	CLA	CMD-C2D	-2.05	1.46	1.50
14	a4	513	CLA	CMD-C2D	-2.05	1.46	1.50
14	bB	1230	CLA	CMC-C2C	-2.05	1.46	1.50
14	bB	1230	CLA	CMD-C2D	-2.05	1.46	1.50
14	c4	502	CLA	CMD-C2D	-2.05	1.46	1.50
14	l	516	CLA	CMD-C2D	-2.05	1.46	1.50
14	m	504	CLA	CMD-C2D	-2.05	1.46	1.50
14	a3	513	CLA	MG-NB	-2.05	2.01	2.05
14	c2	510	CLA	MG-NB	-2.05	2.01	2.05
14	c2	516	CLA	MG-NB	-2.05	2.01	2.05
14	a3	516	CLA	CMD-C2D	-2.05	1.46	1.50
14	cA	1105	CLA	CMD-C2D	-2.05	1.46	1.50
14	cA	1137	CLA	CMB-C2B	-2.05	1.46	1.50
14	cB	1210	CLA	MG-NB	-2.05	2.01	2.05
14	cB	1234	CLA	MG-NB	-2.05	2.01	2.05
14	c1	505	CLA	MG-NB	-2.05	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	c4	503	CLA	MG-NB	-2.05	2.01	2.05
14	c6	518	CLA	MG-NB	-2.05	2.01	2.05
14	U	505	CLA	MG-NB	-2.05	2.01	2.05
14	U	512	CLA	MG-NB	-2.05	2.01	2.05
14	b	510	CLA	MG-NB	-2.05	2.01	2.05
20	b6	822	SQD	O2-C2	-2.05	1.37	1.43
14	a1	503	CLA	CMD-C2D	-2.05	1.46	1.50
14	b4	509	CLA	CMD-C2D	-2.05	1.46	1.50
14	X	504	CLA	CMB-C2B	-2.05	1.46	1.50
14	m	509	CLA	CMD-C2D	-2.05	1.46	1.50
14	aA	1117	CLA	MG-NB	-2.05	2.01	2.05
14	bB	1208	CLA	MG-NB	-2.05	2.01	2.05
14	c6	508	CLA	MG-NB	-2.05	2.01	2.05
14	a1	501	CLA	CMB-C2B	-2.05	1.46	1.50
14	a5	512	CLA	CMB-C2B	-2.05	1.46	1.50
14	bB	1238	CLA	CMD-C2D	-2.05	1.46	1.50
14	b3	516	CLA	CMD-C2D	-2.05	1.46	1.50
14	cB	1230	CLA	CMC-C2C	-2.05	1.46	1.50
14	c4	511	CLA	CMB-C2B	-2.05	1.46	1.50
14	c4	519	CLA	CMD-C2D	-2.05	1.46	1.50
14	c5	501	CLA	CMD-C2D	-2.05	1.46	1.50
14	U	501	CLA	CMB-C2B	-2.05	1.46	1.50
14	m	519	CLA	CMB-C2B	-2.05	1.46	1.50
14	b6	512	CLA	MG-NB	-2.05	2.01	2.05
14	c4	510	CLA	MG-NB	-2.05	2.01	2.05
14	f	502	CLA	MG-NB	-2.05	2.01	2.05
14	aB	1233	CLA	CMD-C2D	-2.05	1.46	1.50
14	a4	511	CLA	CMD-C2D	-2.05	1.46	1.50
14	bA	1113	CLA	CMD-C2D	-2.05	1.46	1.50
14	b4	508	CLA	CMC-C2C	-2.05	1.46	1.50
14	c2	508	CLA	CMB-C2B	-2.05	1.46	1.50
14	X	516	CLA	CMD-C2D	-2.05	1.46	1.50
14	m	502	CLA	CMD-C2D	-2.05	1.46	1.50
14	n	508	CLA	CMB-C2B	-2.05	1.46	1.50
14	o	508	CLA	CMC-C2C	-2.05	1.46	1.50
14	aB	1208	CLA	MG-NB	-2.05	2.01	2.05
14	a5	510	CLA	MG-NB	-2.05	2.01	2.05
18	cA	5003	LHG	P-O6	2.05	1.67	1.59
20	a2	822	SQD	O2-C2	-2.05	1.37	1.43
14	aA	1801	CLA	CMB-C2B	-2.05	1.46	1.50
14	aF	1301	CLA	CMD-C2D	-2.05	1.46	1.50
14	b4	504	CLA	CMC-C2C	-2.05	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	cA	1137	CLA	CMD-C2D	-2.05	1.46	1.50
14	cX	1401	CLA	CMB-C2B	-2.05	1.46	1.50
14	T	509	CLA	CMD-C2D	-2.05	1.46	1.50
14	U	516	CLA	CMD-C2D	-2.05	1.46	1.50
14	V	512	CLA	CMD-C2D	-2.05	1.46	1.50
14	Y	511	CLA	CMD-C2D	-2.05	1.46	1.50
14	a	502	CLA	CMB-C2B	-2.05	1.46	1.50
14	e	516	CLA	CMB-C2B	-2.05	1.46	1.50
14	h	504	CLA	CMD-C2D	-2.05	1.46	1.50
14	h	517	CLA	CMB-C2B	-2.05	1.46	1.50
14	k	516	CLA	CMD-C2D	-2.05	1.46	1.50
14	aB	1214	CLA	MG-NB	-2.05	2.01	2.05
14	a5	504	CLA	MG-NB	-2.05	2.01	2.05
14	c1	510	CLA	MG-NB	-2.05	2.01	2.05
14	aA	1135	CLA	CMD-C2D	-2.05	1.46	1.50
14	a1	512	CLA	CMD-C2D	-2.05	1.46	1.50
14	a4	508	CLA	CMD-C2D	-2.05	1.46	1.50
14	bA	1132	CLA	CMB-C2B	-2.05	1.46	1.50
14	bB	1214	CLA	CMC-C2C	-2.05	1.46	1.50
14	c4	518	CLA	CMB-C2B	-2.05	1.46	1.50
14	Y	512	CLA	CMB-C2B	-2.05	1.46	1.50
14	d	516	CLA	CMD-C2D	-2.05	1.46	1.50
14	cJ	1302	CLA	MG-NB	-2.05	2.01	2.05
14	c1	513	CLA	MG-NB	-2.05	2.01	2.05
14	W	509	CLA	MG-NB	-2.05	2.01	2.05
20	a6	822	SQD	O2-C2	-2.05	1.37	1.43
14	a3	506	CLA	CMD-C2D	-2.05	1.46	1.50
14	V	511	CLA	CMD-C2D	-2.05	1.46	1.50
14	W	517	CLA	CMD-C2D	-2.05	1.46	1.50
14	W	518	CLA	CMD-C2D	-2.05	1.46	1.50
14	X	512	CLA	CMD-C2D	-2.05	1.46	1.50
14	Z	506	CLA	CMB-C2B	-2.05	1.46	1.50
14	k	517	CLA	CMB-C2B	-2.05	1.46	1.50
14	q	516	CLA	CMB-C2B	-2.05	1.46	1.50
15	cB	2002	PQN	C10-C5	-2.05	1.37	1.40
14	bJ	1302	CLA	MG-NB	-2.05	2.01	2.05
14	b5	505	CLA	MG-NB	-2.05	2.01	2.05
14	c3	510	CLA	MG-NB	-2.05	2.01	2.05
14	W	508	CLA	MG-NB	-2.05	2.01	2.05
14	d	504	CLA	MG-NB	-2.05	2.01	2.05
18	bA	5004	LHG	P-O6	2.05	1.67	1.59
14	a4	511	CLA	CMB-C2B	-2.05	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	bA	1115	CLA	CMD-C2D	-2.05	1.46	1.50
14	b5	512	CLA	CMB-C2B	-2.05	1.46	1.50
14	cL	1502	CLA	CMD-C2D	-2.05	1.46	1.50
14	c2	512	CLA	CMD-C2D	-2.05	1.46	1.50
14	f	504	CLA	CMB-C2B	-2.05	1.46	1.50
14	n	510	CLA	CMD-C2D	-2.05	1.46	1.50
14	q	516	CLA	CMD-C2D	-2.05	1.46	1.50
20	a5	822	SQD	O2-C2	-2.05	1.37	1.43
14	k	517	CLA	O2A-CGA	2.05	1.37	1.30
14	b4	518	CLA	MG-NB	-2.04	2.01	2.05
14	b5	519	CLA	MG-NB	-2.04	2.01	2.05
14	cA	1106	CLA	MG-NB	-2.04	2.01	2.05
14	bA	1111	CLA	CMD-C2D	-2.04	1.46	1.50
14	bA	1128	CLA	CMD-C2D	-2.04	1.46	1.50
14	b1	519	CLA	CMD-C2D	-2.04	1.46	1.50
14	Y	511	CLA	CMB-C2B	-2.04	1.46	1.50
14	l	518	CLA	CMD-C2D	-2.04	1.46	1.50
14	o	502	CLA	CMD-C2D	-2.04	1.46	1.50
21	a1	5104	LMG	O7-C8	-2.04	1.41	1.46
14	b5	510	CLA	MG-NB	-2.04	2.01	2.05
14	cA	1139	CLA	MG-NB	-2.04	2.01	2.05
14	Z	509	CLA	MG-NB	-2.04	2.01	2.05
14	Z	519	CLA	MG-NB	-2.04	2.01	2.05
14	n	505	CLA	MG-NB	-2.04	2.01	2.05
14	aA	1125	CLA	CMD-C2D	-2.04	1.46	1.50
14	a6	512	CLA	CMD-C2D	-2.04	1.46	1.50
14	b4	501	CLA	CMB-C2B	-2.04	1.46	1.50
14	b6	509	CLA	CMB-C2B	-2.04	1.46	1.50
14	cB	1207	CLA	CMD-C2D	-2.04	1.46	1.50
14	c3	501	CLA	CMB-C2B	-2.04	1.46	1.50
14	c3	511	CLA	CMD-C2D	-2.04	1.46	1.50
14	c5	509	CLA	CMB-C2B	-2.04	1.46	1.50
14	S	507	CLA	CMD-C2D	-2.04	1.46	1.50
14	U	502	CLA	CMB-C2B	-2.04	1.46	1.50
14	Y	507	CLA	CMD-C2D	-2.04	1.46	1.50
14	b	512	CLA	CMD-C2D	-2.04	1.46	1.50
14	cA	1126	CLA	MG-NB	-2.04	2.01	2.05
14	a2	517	CLA	CMD-C2D	-2.04	1.46	1.50
14	b1	507	CLA	CMD-C2D	-2.04	1.46	1.50
14	b2	507	CLA	CMD-C2D	-2.04	1.46	1.50
14	b3	517	CLA	CMD-C2D	-2.04	1.46	1.50
14	cL	1501	CLA	CMD-C2D	-2.04	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	c6	501	CLA	CMB-C2B	-2.04	1.46	1.50
14	T	512	CLA	CMB-C2B	-2.04	1.46	1.50
14	U	511	CLA	CMB-C2B	-2.04	1.46	1.50
14	Y	502	CLA	CMC-C2C	-2.04	1.46	1.50
14	i	504	CLA	CMB-C2B	-2.04	1.46	1.50
20	h	822	SQD	O2-C2	-2.04	1.37	1.43
14	bA	1122	CLA	MG-NB	-2.04	2.01	2.05
14	Z	517	CLA	MG-NB	-2.04	2.01	2.05
14	g	513	CLA	MG-NB	-2.04	2.01	2.05
14	a2	519	CLA	CMD-C2D	-2.04	1.46	1.50
14	b5	519	CLA	CMD-C2D	-2.04	1.46	1.50
14	c3	517	CLA	CMB-C2B	-2.04	1.46	1.50
14	c6	506	CLA	CMB-C2B	-2.04	1.46	1.50
14	d	506	CLA	CMB-C2B	-2.04	1.46	1.50
14	e	513	CLA	CMB-C2B	-2.04	1.46	1.50
14	o	513	CLA	CMD-C2D	-2.04	1.46	1.50
14	a5	513	CLA	MG-NB	-2.04	2.01	2.05
14	b6	502	CLA	MG-NB	-2.04	2.01	2.05
14	cB	1023	CLA	MG-NB	-2.04	2.01	2.05
14	e	518	CLA	MG-NB	-2.04	2.01	2.05
14	j	507	CLA	MG-NB	-2.04	2.01	2.05
14	k	512	CLA	MG-NB	-2.04	2.01	2.05
14	aB	1231	CLA	CMD-C2D	-2.04	1.46	1.50
14	b5	511	CLA	CMD-C2D	-2.04	1.46	1.50
14	b6	517	CLA	CMB-C2B	-2.04	1.46	1.50
14	cA	1140	CLA	CMD-C2D	-2.04	1.46	1.50
14	c6	509	CLA	CMB-C2B	-2.04	1.46	1.50
14	i	507	CLA	CMD-C2D	-2.04	1.46	1.50
14	n	502	CLA	CMD-C2D	-2.04	1.46	1.50
14	bA	1117	CLA	MG-NB	-2.04	2.01	2.05
14	b3	508	CLA	MG-NB	-2.04	2.01	2.05
14	cB	1220	CLA	MG-NB	-2.04	2.01	2.05
14	cK	1401	CLA	MG-NB	-2.04	2.01	2.05
14	c1	518	CLA	MG-NB	-2.04	2.01	2.05
14	c1	519	CLA	MG-NB	-2.04	2.01	2.05
14	c3	508	CLA	MG-NB	-2.04	2.01	2.05
14	c5	512	CLA	MG-NB	-2.04	2.01	2.05
14	V	506	CLA	MG-NB	-2.04	2.01	2.05
14	V	508	CLA	MG-NB	-2.04	2.01	2.05
14	g	511	CLA	MG-NB	-2.04	2.01	2.05
14	k	506	CLA	MG-NB	-2.04	2.01	2.05
14	aB	1235	CLA	CMD-C2D	-2.04	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a1	517	CLA	CMD-C2D	-2.04	1.46	1.50
14	b4	509	CLA	CMB-C2B	-2.04	1.46	1.50
14	b5	508	CLA	CMD-C2D	-2.04	1.46	1.50
14	W	508	CLA	CMB-C2B	-2.04	1.46	1.50
14	Z	509	CLA	CMB-C2B	-2.04	1.46	1.50
14	c	504	CLA	CMD-C2D	-2.04	1.46	1.50
14	e	502	CLA	CMD-C2D	-2.04	1.46	1.50
14	j	501	CLA	CMB-C2B	-2.04	1.46	1.50
14	aB	1012	CLA	MG-NB	-2.04	2.01	2.05
14	b2	513	CLA	MG-NB	-2.04	2.01	2.05
14	cA	1101	CLA	MG-NB	-2.04	2.01	2.05
14	S	517	CLA	MG-NB	-2.04	2.01	2.05
14	T	512	CLA	MG-NB	-2.04	2.01	2.05
14	a	507	CLA	MG-NB	-2.04	2.01	2.05
14	o	513	CLA	MG-NB	-2.04	2.01	2.05
14	p	513	CLA	MG-NB	-2.04	2.01	2.05
20	i	822	SQD	O2-C2	-2.04	1.37	1.43
14	aB	1207	CLA	CMD-C2D	-2.04	1.46	1.50
14	a1	513	CLA	CMD-C2D	-2.04	1.46	1.50
14	cA	1118	CLA	CMB-C2B	-2.04	1.46	1.50
14	cF	1301	CLA	CMD-C2D	-2.04	1.46	1.50
14	c1	508	CLA	CMB-C2B	-2.04	1.46	1.50
14	V	506	CLA	CMD-C2D	-2.04	1.46	1.50
14	Y	519	CLA	CMB-C2B	-2.04	1.46	1.50
14	c	517	CLA	CMB-C2B	-2.04	1.46	1.50
14	h	513	CLA	CMD-C2D	-2.04	1.46	1.50
20	aB	1852	SQD	O2-C2	-2.04	1.37	1.43
14	b4	509	CLA	MG-NB	-2.04	2.01	2.05
14	cB	1214	CLA	MG-NB	-2.04	2.01	2.05
14	c5	507	CLA	MG-NB	-2.04	2.01	2.05
14	U	513	CLA	MG-NB	-2.04	2.01	2.05
14	a4	502	CLA	CMD-C2D	-2.04	1.46	1.50
14	c1	503	CLA	CMD-C2D	-2.04	1.46	1.50
14	Z	513	CLA	CMD-C2D	-2.04	1.46	1.50
14	b	509	CLA	CMD-C2D	-2.04	1.46	1.50
14	d	503	CLA	CMD-C2D	-2.04	1.46	1.50
14	l	509	CLA	CMD-C2D	-2.04	1.46	1.50
14	m	506	CLA	CMB-C2B	-2.04	1.46	1.50
14	b1	509	CLA	MG-NB	-2.04	2.01	2.05
14	b4	505	CLA	MG-NB	-2.04	2.01	2.05
14	c4	508	CLA	MG-NB	-2.04	2.01	2.05
14	W	502	CLA	MG-NB	-2.04	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	e	509	CLA	MG-NB	-2.04	2.01	2.05
14	aA	1133	CLA	CMD-C2D	-2.04	1.46	1.50
14	a2	501	CLA	CMB-C2B	-2.04	1.46	1.50
14	a4	517	CLA	CMB-C2B	-2.04	1.46	1.50
14	bA	1125	CLA	CMB-C2B	-2.04	1.46	1.50
14	b3	512	CLA	CMD-C2D	-2.04	1.46	1.50
14	b5	516	CLA	CMD-C2D	-2.04	1.46	1.50
14	c5	512	CLA	CMB-C2B	-2.04	1.46	1.50
14	e	511	CLA	CMB-C2B	-2.04	1.46	1.50
14	aA	1123	CLA	MG-NB	-2.04	2.01	2.05
14	a4	509	CLA	MG-NB	-2.04	2.01	2.05
14	a4	511	CLA	MG-NB	-2.04	2.01	2.05
14	c6	501	CLA	MG-NB	-2.04	2.01	2.05
14	U	506	CLA	MG-NB	-2.04	2.01	2.05
14	c	505	CLA	MG-NB	-2.04	2.01	2.05
14	i	507	CLA	MG-NB	-2.04	2.01	2.05
14	l	512	CLA	MG-NB	-2.04	2.01	2.05
14	n	517	CLA	MG-NB	-2.04	2.01	2.05
14	bA	1109	CLA	CMB-C2B	-2.04	1.46	1.50
14	b2	517	CLA	CMD-C2D	-2.04	1.46	1.50
14	cA	1117	CLA	CMD-C2D	-2.04	1.46	1.50
14	cA	1134	CLA	CMB-C2B	-2.04	1.46	1.50
14	c3	510	CLA	CMD-C2D	-2.04	1.46	1.50
14	c6	503	CLA	CMD-C2D	-2.04	1.46	1.50
14	U	519	CLA	CMB-C2B	-2.04	1.46	1.50
14	c	506	CLA	CMB-C2B	-2.04	1.46	1.50
14	q	511	CLA	CMD-C2D	-2.04	1.46	1.50
14	b5	509	CLA	MG-NB	-2.04	2.01	2.05
14	cA	1122	CLA	MG-NB	-2.04	2.01	2.05
14	c3	518	CLA	MG-NB	-2.04	2.01	2.05
14	c5	504	CLA	MG-NB	-2.04	2.01	2.05
14	T	504	CLA	MG-NB	-2.04	2.01	2.05
14	Y	510	CLA	MG-NB	-2.04	2.01	2.05
14	i	511	CLA	MG-NB	-2.04	2.01	2.05
14	q	510	CLA	MG-NB	-2.04	2.01	2.05
14	aB	1236	CLA	CMD-C2D	-2.04	1.46	1.50
14	aL	1503	CLA	CMD-C2D	-2.04	1.46	1.50
14	b1	517	CLA	CMB-C2B	-2.04	1.46	1.50
14	b6	512	CLA	CMD-C2D	-2.04	1.46	1.50
14	S	501	CLA	CMC-C2C	-2.04	1.46	1.50
14	W	501	CLA	CMB-C2B	-2.04	1.46	1.50
14	X	501	CLA	CMD-C2D	-2.04	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	519	CLA	CMB-C2B	-2.04	1.46	1.50
14	j	504	CLA	CMB-C2B	-2.04	1.46	1.50
14	j	508	CLA	CMD-C2D	-2.04	1.46	1.50
14	a1	502	CLA	MG-NB	-2.04	2.01	2.05
14	b4	516	CLA	MG-NB	-2.04	2.01	2.05
14	cB	1212	CLA	MG-NB	-2.04	2.01	2.05
14	e	505	CLA	MG-NB	-2.04	2.01	2.05
14	aB	1224	CLA	CMC-C2C	-2.04	1.46	1.50
14	a1	507	CLA	CMB-C2B	-2.04	1.46	1.50
14	a5	501	CLA	CMB-C2B	-2.04	1.46	1.50
14	a5	519	CLA	CMD-C2D	-2.04	1.46	1.50
14	a6	510	CLA	CMD-C2D	-2.04	1.46	1.50
14	cB	1230	CLA	CMD-C2D	-2.04	1.46	1.50
14	cB	1231	CLA	CMB-C2B	-2.04	1.46	1.50
14	U	517	CLA	CMB-C2B	-2.04	1.46	1.50
14	b	506	CLA	CMD-C2D	-2.04	1.46	1.50
14	m	506	CLA	CMD-C2D	-2.04	1.46	1.50
14	Y	513	CLA	MG-NB	-2.04	2.01	2.05
14	k	509	CLA	MG-NB	-2.04	2.01	2.05
14	aA	1122	CLA	CMD-C2D	-2.04	1.46	1.50
14	aA	1139	CLA	CMB-C2B	-2.04	1.46	1.50
14	bJ	1302	CLA	CMD-C2D	-2.04	1.46	1.50
14	b3	517	CLA	CMB-C2B	-2.04	1.46	1.50
14	cB	1239	CLA	CMD-C2D	-2.04	1.46	1.50
14	U	501	CLA	CMD-C2D	-2.04	1.46	1.50
14	f	518	CLA	CMD-C2D	-2.04	1.46	1.50
14	h	507	CLA	CMD-C2D	-2.04	1.46	1.50
14	a6	511	CLA	MG-NB	-2.04	2.01	2.05
14	aB	1227	CLA	CMD-C2D	-2.04	1.46	1.50
14	bB	1223	CLA	CMD-C2D	-2.04	1.46	1.50
14	b	510	CLA	CMB-C2B	-2.04	1.46	1.50
14	e	501	CLA	CMC-C2C	-2.04	1.46	1.50
14	o	517	CLA	CMD-C2D	-2.04	1.46	1.50
14	l	517	CLA	C3D-C4D	2.04	1.48	1.44
20	c4	822	SQD	O2-C2	-2.04	1.37	1.43
14	U	502	CLA	MG-NB	-2.04	2.01	2.05
14	V	512	CLA	MG-NB	-2.04	2.01	2.05
14	Z	513	CLA	MG-NB	-2.04	2.01	2.05
14	aB	1209	CLA	CMD-C2D	-2.04	1.46	1.50
14	a1	519	CLA	CMB-C2B	-2.04	1.46	1.50
14	bA	1112	CLA	CMB-C2B	-2.04	1.46	1.50
14	bA	1136	CLA	CMB-C2B	-2.04	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	bB	1012	CLA	CMD-C2D	-2.04	1.46	1.50
14	cJ	1303	CLA	CMB-C2B	-2.04	1.46	1.50
14	c4	506	CLA	CMD-C2D	-2.04	1.46	1.50
14	c6	510	CLA	CMD-C2D	-2.04	1.46	1.50
20	c3	822	SQD	O2-C2	-2.04	1.37	1.43
14	aA	1111	CLA	CMD-C2D	-2.04	1.46	1.50
14	aB	1205	CLA	CMB-C2B	-2.04	1.46	1.50
14	b1	510	CLA	CMD-C2D	-2.04	1.46	1.50
14	c3	504	CLA	CMD-C2D	-2.04	1.46	1.50
14	Z	512	CLA	CMB-C2B	-2.04	1.46	1.50
14	b	517	CLA	CMB-C2B	-2.04	1.46	1.50
14	e	509	CLA	CMD-C2D	-2.04	1.46	1.50
14	g	519	CLA	CMD-C2D	-2.04	1.46	1.50
14	a5	517	CLA	MG-NB	-2.04	2.01	2.05
20	q	822	SQD	O2-C2	-2.04	1.37	1.43
14	aA	1123	CLA	CMD-C2D	-2.04	1.46	1.50
14	b1	513	CLA	CMD-C2D	-2.04	1.46	1.50
14	cB	1209	CLA	CMB-C2B	-2.04	1.46	1.50
14	c1	501	CLA	CMB-C2B	-2.04	1.46	1.50
14	Y	503	CLA	CMD-C2D	-2.04	1.46	1.50
14	f	508	CLA	CMB-C2B	-2.04	1.46	1.50
14	bA	1123	CLA	MG-NB	-2.04	2.01	2.05
14	b2	504	CLA	MG-NB	-2.04	2.01	2.05
14	b3	513	CLA	MG-NB	-2.04	2.01	2.05
14	cB	1211	CLA	MG-NB	-2.04	2.01	2.05
14	b	501	CLA	MG-NB	-2.04	2.01	2.05
14	l	507	CLA	MG-NB	-2.04	2.01	2.05
14	aB	1210	CLA	CMD-C2D	-2.04	1.46	1.50
14	a4	503	CLA	CMD-C2D	-2.04	1.46	1.50
14	b1	511	CLA	CMB-C2B	-2.04	1.46	1.50
14	b5	507	CLA	CMD-C2D	-2.04	1.46	1.50
14	c6	513	CLA	CMD-C2D	-2.04	1.46	1.50
14	U	510	CLA	CMD-C2D	-2.04	1.46	1.50
14	W	510	CLA	CMB-C2B	-2.04	1.46	1.50
14	g	519	CLA	CMB-C2B	-2.04	1.46	1.50
14	p	510	CLA	CMD-C2D	-2.04	1.46	1.50
14	q	510	CLA	CMD-C2D	-2.04	1.46	1.50
14	bA	1139	CLA	MG-NB	-2.04	2.01	2.05
14	W	518	CLA	MG-NB	-2.04	2.01	2.05
14	c	518	CLA	MG-NB	-2.04	2.01	2.05
14	i	513	CLA	MG-NB	-2.04	2.01	2.05
14	o	501	CLA	MG-NB	-2.04	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	aB	1203	CLA	CMD-C2D	-2.04	1.46	1.50
14	aB	1217	CLA	CMD-C2D	-2.04	1.46	1.50
14	aB	1238	CLA	CMB-C2B	-2.04	1.46	1.50
14	a3	517	CLA	CMD-C2D	-2.04	1.46	1.50
14	bA	1801	CLA	CMB-C2B	-2.04	1.46	1.50
14	b1	508	CLA	CMB-C2B	-2.04	1.46	1.50
14	b2	501	CLA	CMC-C2C	-2.04	1.46	1.50
14	c5	502	CLA	CMD-C2D	-2.04	1.46	1.50
14	i	509	CLA	CMD-C2D	-2.04	1.46	1.50
14	n	511	CLA	CMB-C2B	-2.04	1.46	1.50
14	a1	510	CLA	MG-NB	-2.04	2.01	2.05
14	b6	505	CLA	MG-NB	-2.04	2.01	2.05
14	n	513	CLA	MG-NB	-2.04	2.01	2.05
14	a1	516	CLA	CMB-C2B	-2.04	1.46	1.50
14	a3	501	CLA	CMC-C2C	-2.04	1.46	1.50
14	b6	511	CLA	CMD-C2D	-2.04	1.46	1.50
14	S	511	CLA	CMD-C2D	-2.04	1.46	1.50
14	Y	517	CLA	CMD-C2D	-2.04	1.46	1.50
14	c	503	CLA	CMB-C2B	-2.04	1.46	1.50
14	i	508	CLA	CMD-C2D	-2.04	1.46	1.50
14	k	506	CLA	CMB-C2B	-2.04	1.46	1.50
20	c2	822	SQD	O2-C2	-2.04	1.37	1.43
14	a1	501	CLA	MG-NB	-2.04	2.01	2.05
14	a2	513	CLA	MG-NB	-2.04	2.01	2.05
14	b1	503	CLA	MG-NB	-2.04	2.01	2.05
14	cB	1232	CLA	MG-NB	-2.04	2.01	2.05
14	V	502	CLA	MG-NB	-2.04	2.01	2.05
14	W	511	CLA	MG-NB	-2.04	2.01	2.05
14	m	516	CLA	MG-NB	-2.04	2.01	2.05
14	o	510	CLA	MG-NB	-2.04	2.01	2.05
14	a3	512	CLA	CMB-C2B	-2.03	1.46	1.50
14	bA	1110	CLA	CMD-C2D	-2.03	1.46	1.50
14	b2	501	CLA	CMD-C2D	-2.03	1.46	1.50
14	b3	519	CLA	CMD-C2D	-2.03	1.46	1.50
14	b5	502	CLA	CMD-C2D	-2.03	1.46	1.50
14	cA	1110	CLA	CMB-C2B	-2.03	1.46	1.50
14	cA	1129	CLA	CMB-C2B	-2.03	1.46	1.50
14	cB	1201	CLA	CMD-C2D	-2.03	1.46	1.50
14	c3	512	CLA	CMD-C2D	-2.03	1.46	1.50
14	c4	502	CLA	CMC-C2C	-2.03	1.46	1.50
14	c5	509	CLA	CMD-C2D	-2.03	1.46	1.50
14	c6	512	CLA	CMD-C2D	-2.03	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	518	CLA	CMD-C2D	-2.03	1.46	1.50
14	f	518	CLA	MG-NB	-2.03	2.01	2.05
14	j	511	CLA	MG-NB	-2.03	2.01	2.05
14	k	507	CLA	MG-NB	-2.03	2.01	2.05
14	k	519	CLA	MG-NB	-2.03	2.01	2.05
14	m	510	CLA	MG-NB	-2.03	2.01	2.05
15	bA	2001	PQN	C2M-C2	2.03	1.54	1.50
14	aA	1110	CLA	CMD-C2D	-2.03	1.46	1.50
14	aB	1220	CLA	CMD-C2D	-2.03	1.46	1.50
14	bA	1101	CLA	CMD-C2D	-2.03	1.46	1.50
14	bK	1401	CLA	CMD-C2D	-2.03	1.46	1.50
14	b4	517	CLA	CMB-C2B	-2.03	1.46	1.50
14	cA	1133	CLA	CMD-C2D	-2.03	1.46	1.50
14	c1	517	CLA	CMD-C2D	-2.03	1.46	1.50
14	c5	503	CLA	CMB-C2B	-2.03	1.46	1.50
14	T	501	CLA	CMD-C2D	-2.03	1.46	1.50
14	a	519	CLA	CMD-C2D	-2.03	1.46	1.50
14	e	510	CLA	CMD-C2D	-2.03	1.46	1.50
14	h	510	CLA	CMD-C2D	-2.03	1.46	1.50
14	b4	502	CLA	MG-NB	-2.03	2.01	2.05
14	cB	1221	CLA	MG-NB	-2.03	2.01	2.05
14	X	509	CLA	MG-NB	-2.03	2.01	2.05
14	d	506	CLA	MG-NB	-2.03	2.01	2.05
15	bB	2002	PQN	C2M-C2	2.03	1.54	1.50
14	bA	1139	CLA	CMB-C2B	-2.03	1.46	1.50
14	b5	510	CLA	CMD-C2D	-2.03	1.46	1.50
14	b5	518	CLA	CMB-C2B	-2.03	1.46	1.50
14	U	510	CLA	CMB-C2B	-2.03	1.46	1.50
14	X	503	CLA	CMD-C2D	-2.03	1.46	1.50
14	e	518	CLA	CMB-C2B	-2.03	1.46	1.50
14	p	504	CLA	CMD-C2D	-2.03	1.46	1.50
14	c3	517	CLA	MG-NB	-2.03	2.01	2.05
14	S	501	CLA	MG-NB	-2.03	2.01	2.05
14	U	507	CLA	MG-NB	-2.03	2.01	2.05
14	X	504	CLA	MG-NB	-2.03	2.01	2.05
14	Y	519	CLA	MG-NB	-2.03	2.01	2.05
14	l	506	CLA	MG-NB	-2.03	2.01	2.05
15	bB	2002	PQN	C6-C5	2.03	1.43	1.39
14	aA	1138	CLA	CMD-C2D	-2.03	1.46	1.50
14	aB	1208	CLA	CMD-C2D	-2.03	1.46	1.50
14	a1	501	CLA	CMD-C2D	-2.03	1.46	1.50
14	a3	503	CLA	CMD-C2D	-2.03	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a5	517	CLA	CMD-C2D	-2.03	1.46	1.50
14	bA	1112	CLA	CMD-C2D	-2.03	1.46	1.50
14	bB	1207	CLA	CMB-C2B	-2.03	1.46	1.50
14	cA	1116	CLA	CMB-C2B	-2.03	1.46	1.50
14	cA	1118	CLA	CMD-C2D	-2.03	1.46	1.50
14	cB	1234	CLA	CMD-C2D	-2.03	1.46	1.50
14	c2	501	CLA	CMC-C2C	-2.03	1.46	1.50
14	c5	511	CLA	CMD-C2D	-2.03	1.46	1.50
14	T	508	CLA	CMB-C2B	-2.03	1.46	1.50
14	W	517	CLA	CMB-C2B	-2.03	1.46	1.50
14	a	504	CLA	CMB-C2B	-2.03	1.46	1.50
14	l	507	CLA	CMD-C2D	-2.03	1.46	1.50
14	n	507	CLA	CMD-C2D	-2.03	1.46	1.50
14	n	518	CLA	CMD-C2D	-2.03	1.46	1.50
14	p	512	CLA	CMD-C2D	-2.03	1.46	1.50
14	a4	506	CLA	MG-NB	-2.03	2.01	2.05
14	bA	1140	CLA	MG-NB	-2.03	2.01	2.05
14	b1	507	CLA	MG-NB	-2.03	2.01	2.05
14	cA	1132	CLA	MG-NB	-2.03	2.01	2.05
14	c6	516	CLA	MG-NB	-2.03	2.01	2.05
14	c	507	CLA	MG-NB	-2.03	2.01	2.05
14	h	512	CLA	MG-NB	-2.03	2.01	2.05
14	bA	1134	CLA	CMD-C2D	-2.03	1.46	1.50
14	S	512	CLA	CMB-C2B	-2.03	1.46	1.50
14	X	510	CLA	CMD-C2D	-2.03	1.46	1.50
14	a	508	CLA	CMD-C2D	-2.03	1.46	1.50
14	j	506	CLA	CMD-C2D	-2.03	1.46	1.50
14	b2	519	CLA	MG-NB	-2.03	2.01	2.05
14	cB	1216	CLA	MG-NB	-2.03	2.01	2.05
14	Y	506	CLA	MG-NB	-2.03	2.01	2.05
14	Y	509	CLA	MG-NB	-2.03	2.01	2.05
14	l	513	CLA	MG-NB	-2.03	2.01	2.05
14	aB	1231	CLA	CMB-C2B	-2.03	1.46	1.50
14	a3	512	CLA	CMD-C2D	-2.03	1.46	1.50
14	bA	1121	CLA	CMD-C2D	-2.03	1.46	1.50
14	bJ	1303	CLA	CMB-C2B	-2.03	1.46	1.50
14	b2	503	CLA	CMD-C2D	-2.03	1.46	1.50
14	cB	1210	CLA	CMD-C2D	-2.03	1.46	1.50
14	V	503	CLA	CMD-C2D	-2.03	1.46	1.50
14	e	507	CLA	CMD-C2D	-2.03	1.46	1.50
14	i	511	CLA	CMD-C2D	-2.03	1.46	1.50
14	bB	1216	CLA	MG-NB	-2.03	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	c3	507	CLA	MG-NB	-2.03	2.01	2.05
18	aA	5003	LHG	P-O6	2.03	1.67	1.59
14	aA	1129	CLA	CMB-C2B	-2.03	1.46	1.50
14	b1	508	CLA	CMD-C2D	-2.03	1.46	1.50
14	b6	506	CLA	CMB-C2B	-2.03	1.46	1.50
14	c4	513	CLA	CMB-C2B	-2.03	1.46	1.50
14	c5	510	CLA	CMD-C2D	-2.03	1.46	1.50
14	c5	512	CLA	CMD-C2D	-2.03	1.46	1.50
14	X	502	CLA	CMC-C2C	-2.03	1.46	1.50
14	d	503	CLA	CMB-C2B	-2.03	1.46	1.50
14	d	511	CLA	CMD-C2D	-2.03	1.46	1.50
14	d	517	CLA	CMD-C2D	-2.03	1.46	1.50
14	i	506	CLA	CMB-C2B	-2.03	1.46	1.50
14	j	504	CLA	CMD-C2D	-2.03	1.46	1.50
14	k	509	CLA	CMB-C2B	-2.03	1.46	1.50
14	aA	1130	CLA	MG-NB	-2.03	2.01	2.05
14	b1	511	CLA	MG-NB	-2.03	2.01	2.05
14	c2	507	CLA	MG-NB	-2.03	2.01	2.05
14	c4	511	CLA	MG-NB	-2.03	2.01	2.05
14	d	505	CLA	MG-NB	-2.03	2.01	2.05
14	k	510	CLA	MG-NB	-2.03	2.01	2.05
14	o	518	CLA	MG-NB	-2.03	2.01	2.05
14	p	508	CLA	MG-NB	-2.03	2.01	2.05
14	aB	1201	CLA	CMD-C2D	-2.03	1.46	1.50
14	a4	512	CLA	CMB-C2B	-2.03	1.46	1.50
14	a6	511	CLA	CMB-C2B	-2.03	1.46	1.50
14	bA	1114	CLA	CMB-C2B	-2.03	1.46	1.50
14	b4	512	CLA	CMB-C2B	-2.03	1.46	1.50
14	b6	508	CLA	CMC-C2C	-2.03	1.46	1.50
14	cA	1011	CLA	CMB-C2B	-2.03	1.46	1.50
14	c2	511	CLA	CMB-C2B	-2.03	1.46	1.50
14	W	501	CLA	CMC-C2C	-2.03	1.46	1.50
14	b	510	CLA	CMD-C2D	-2.03	1.46	1.50
14	e	506	CLA	CMD-C2D	-2.03	1.46	1.50
14	m	512	CLA	CMB-C2B	-2.03	1.46	1.50
14	n	512	CLA	CMD-C2D	-2.03	1.46	1.50
14	b2	503	CLA	MG-NB	-2.03	2.01	2.05
14	cA	1110	CLA	MG-NB	-2.03	2.01	2.05
14	b	505	CLA	MG-NB	-2.03	2.01	2.05
14	aA	1130	CLA	CMD-C2D	-2.03	1.46	1.50
14	aB	1212	CLA	CMD-C2D	-2.03	1.46	1.50
14	aB	1236	CLA	CMB-C2B	-2.03	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	cA	1129	CLA	CMD-C2D	-2.03	1.46	1.50
14	c5	506	CLA	CMD-C2D	-2.03	1.46	1.50
14	f	503	CLA	CMD-C2D	-2.03	1.46	1.50
14	k	507	CLA	CMD-C2D	-2.03	1.46	1.50
14	aA	1136	CLA	MG-NB	-2.03	2.01	2.05
14	aB	1217	CLA	MG-NB	-2.03	2.01	2.05
14	bB	1217	CLA	MG-NB	-2.03	2.01	2.05
14	c2	517	CLA	MG-NB	-2.03	2.01	2.05
14	c2	518	CLA	MG-NB	-2.03	2.01	2.05
14	T	509	CLA	MG-NB	-2.03	2.01	2.05
14	V	504	CLA	MG-NB	-2.03	2.01	2.05
14	Z	507	CLA	MG-NB	-2.03	2.01	2.05
14	i	501	CLA	MG-NB	-2.03	2.01	2.05
14	m	505	CLA	MG-NB	-2.03	2.01	2.05
14	a3	509	CLA	CMD-C2D	-2.03	1.46	1.50
14	a4	501	CLA	CMB-C2B	-2.03	1.46	1.50
14	bK	1401	CLA	CMB-C2B	-2.03	1.46	1.50
14	bL	1501	CLA	CMD-C2D	-2.03	1.46	1.50
14	b3	503	CLA	CMD-C2D	-2.03	1.46	1.50
14	b3	509	CLA	CMD-C2D	-2.03	1.46	1.50
14	b5	503	CLA	CMB-C2B	-2.03	1.46	1.50
14	b6	503	CLA	CMB-C2B	-2.03	1.46	1.50
14	V	504	CLA	CMD-C2D	-2.03	1.46	1.50
14	Y	510	CLA	CMB-C2B	-2.03	1.46	1.50
14	a	513	CLA	CMD-C2D	-2.03	1.46	1.50
14	h	509	CLA	CMC-C2C	-2.03	1.46	1.50
14	h	519	CLA	CMD-C2D	-2.03	1.46	1.50
14	j	512	CLA	CMB-C2B	-2.03	1.46	1.50
14	p	519	CLA	CMD-C2D	-2.03	1.46	1.50
14	c	519	CLA	MG-NB	-2.03	2.01	2.05
14	h	504	CLA	MG-NB	-2.03	2.01	2.05
14	aA	1119	CLA	CMD-C2D	-2.03	1.46	1.50
14	aB	1234	CLA	CMD-C2D	-2.03	1.46	1.50
14	c4	507	CLA	CMD-C2D	-2.03	1.46	1.50
14	T	501	CLA	CMC-C2C	-2.03	1.46	1.50
14	b	518	CLA	CMD-C2D	-2.03	1.46	1.50
14	m	517	CLA	CMD-C2D	-2.03	1.46	1.50
14	aA	1114	CLA	MG-NB	-2.03	2.01	2.05
14	Z	510	CLA	MG-NB	-2.03	2.01	2.05
14	aA	1109	CLA	CMD-C2D	-2.03	1.46	1.50
14	aB	1204	CLA	CMD-C2D	-2.03	1.46	1.50
14	a4	519	CLA	CMD-C2D	-2.03	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b2	518	CLA	CMD-C2D	-2.03	1.46	1.50
14	b4	512	CLA	CMD-C2D	-2.03	1.46	1.50
14	b6	502	CLA	CMD-C2D	-2.03	1.46	1.50
14	cA	1134	CLA	CMD-C2D	-2.03	1.46	1.50
14	cB	1227	CLA	CMD-C2D	-2.03	1.46	1.50
14	m	508	CLA	CMB-C2B	-2.03	1.46	1.50
14	S	508	CLA	MG-NB	-2.03	2.01	2.05
14	i	508	CLA	MG-NB	-2.03	2.01	2.05
14	a5	509	CLA	CMD-C2D	-2.03	1.46	1.50
14	b6	517	CLA	CMD-C2D	-2.03	1.46	1.50
14	cB	1203	CLA	CMD-C2D	-2.03	1.46	1.50
14	cK	1401	CLA	CMB-C2B	-2.03	1.46	1.50
14	c3	508	CLA	CMD-C2D	-2.03	1.46	1.50
14	c4	508	CLA	CMD-C2D	-2.03	1.46	1.50
14	c6	507	CLA	CMD-C2D	-2.03	1.46	1.50
14	X	518	CLA	CMD-C2D	-2.03	1.46	1.50
14	Y	517	CLA	CMC-C2C	-2.03	1.46	1.50
14	c	517	CLA	CMD-C2D	-2.03	1.46	1.50
14	f	506	CLA	CMD-C2D	-2.03	1.46	1.50
14	g	512	CLA	CMB-C2B	-2.03	1.46	1.50
14	p	508	CLA	CMB-C2B	-2.03	1.46	1.50
17	a5	523	BCR	C1-C6	-2.03	1.51	1.53
14	bB	1012	CLA	MG-NB	-2.03	2.01	2.05
14	T	519	CLA	MG-NB	-2.03	2.01	2.05
14	Y	512	CLA	MG-NB	-2.03	2.01	2.05
14	a3	504	CLA	CMB-C2B	-2.03	1.46	1.50
14	bA	1108	CLA	CMD-C2D	-2.03	1.46	1.50
14	bB	1227	CLA	CMD-C2D	-2.03	1.46	1.50
14	b5	506	CLA	CMD-C2D	-2.03	1.46	1.50
14	cA	1109	CLA	CMD-C2D	-2.03	1.46	1.50
14	c1	504	CLA	CMB-C2B	-2.03	1.46	1.50
14	Z	508	CLA	CMD-C2D	-2.03	1.46	1.50
14	a	516	CLA	CMD-C2D	-2.03	1.46	1.50
14	d	509	CLA	CMD-C2D	-2.03	1.46	1.50
14	i	517	CLA	CMB-C2B	-2.03	1.46	1.50
14	k	508	CLA	CMD-C2D	-2.03	1.46	1.50
14	n	506	CLA	CMD-C2D	-2.03	1.46	1.50
14	bA	1126	CLA	MG-NB	-2.03	2.01	2.05
14	b4	512	CLA	MG-NB	-2.03	2.01	2.05
14	f	513	CLA	MG-NB	-2.03	2.01	2.05
14	aA	1108	CLA	CMB-C2B	-2.03	1.46	1.50
14	a6	508	CLA	CMD-C2D	-2.03	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	cA	1139	CLA	CMB-C2B	-2.03	1.46	1.50
14	cB	1236	CLA	CMD-C2D	-2.03	1.46	1.50
14	c2	511	CLA	CMD-C2D	-2.03	1.46	1.50
14	c5	504	CLA	CMD-C2D	-2.03	1.46	1.50
14	c6	517	CLA	CMB-C2B	-2.03	1.46	1.50
14	T	508	CLA	CMD-C2D	-2.03	1.46	1.50
14	U	504	CLA	CMB-C2B	-2.03	1.46	1.50
14	X	519	CLA	CMD-C2D	-2.03	1.46	1.50
14	Y	501	CLA	CMB-C2B	-2.03	1.46	1.50
14	f	519	CLA	CMD-C2D	-2.03	1.46	1.50
14	o	501	CLA	CMD-C2D	-2.03	1.46	1.50
14	o	507	CLA	CMD-C2D	-2.03	1.46	1.50
20	b1	822	SQD	O2-C2	-2.03	1.37	1.43
14	aF	1301	CLA	MG-NB	-2.03	2.01	2.05
14	b1	517	CLA	MG-NB	-2.03	2.01	2.05
14	f	509	CLA	MG-NB	-2.03	2.01	2.05
14	a2	518	CLA	CMD-C2D	-2.03	1.46	1.50
14	a4	501	CLA	CMC-C2C	-2.03	1.46	1.50
14	bA	1137	CLA	CMD-C2D	-2.03	1.46	1.50
14	bB	1232	CLA	CMD-C2D	-2.03	1.46	1.50
14	b2	519	CLA	CMD-C2D	-2.03	1.46	1.50
14	cA	1106	CLA	CMB-C2B	-2.03	1.46	1.50
14	cB	1223	CLA	CMD-C2D	-2.03	1.46	1.50
14	U	512	CLA	CMD-C2D	-2.03	1.46	1.50
14	Z	510	CLA	CMD-C2D	-2.03	1.46	1.50
14	j	519	CLA	CMD-C2D	-2.03	1.46	1.50
14	n	502	CLA	CMB-C2B	-2.03	1.46	1.50
14	n	519	CLA	CMD-C2D	-2.03	1.46	1.50
14	p	518	CLA	CMD-C2D	-2.03	1.46	1.50
14	bB	1233	CLA	MG-NB	-2.03	2.01	2.05
14	cL	1502	CLA	MG-NB	-2.03	2.01	2.05
14	b	513	CLA	MG-NB	-2.03	2.01	2.05
14	g	518	CLA	MG-NB	-2.03	2.01	2.05
14	k	501	CLA	MG-NB	-2.03	2.01	2.05
14	m	508	CLA	MG-NB	-2.03	2.01	2.05
15	aA	2001	PQN	C10-C5	-2.03	1.37	1.40
14	aA	1022	CLA	CMB-C2B	-2.03	1.46	1.50
14	aB	1214	CLA	CMD-C2D	-2.03	1.46	1.50
14	a2	517	CLA	CMB-C2B	-2.03	1.46	1.50
14	a6	517	CLA	CMB-C2B	-2.03	1.46	1.50
14	b3	510	CLA	CMD-C2D	-2.03	1.46	1.50
14	b4	503	CLA	CMB-C2B	-2.03	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	c1	511	CLA	CMB-C2B	-2.03	1.46	1.50
14	T	517	CLA	CMB-C2B	-2.03	1.46	1.50
14	X	509	CLA	CMB-C2B	-2.03	1.46	1.50
14	d	513	CLA	CMD-C2D	-2.03	1.46	1.50
14	e	508	CLA	CMB-C2B	-2.03	1.46	1.50
14	k	502	CLA	CMD-C2D	-2.03	1.46	1.50
14	m	513	CLA	CMD-C2D	-2.03	1.46	1.50
20	a1	822	SQD	O2-C2	-2.03	1.37	1.43
20	p	822	SQD	O2-C2	-2.03	1.37	1.43
14	aB	1202	CLA	MG-NB	-2.03	2.01	2.05
14	a2	507	CLA	MG-NB	-2.03	2.01	2.05
14	a2	518	CLA	MG-NB	-2.03	2.01	2.05
14	a3	519	CLA	MG-NB	-2.03	2.01	2.05
14	cB	1215	CLA	MG-NB	-2.03	2.01	2.05
14	W	512	CLA	MG-NB	-2.03	2.01	2.05
14	l	508	CLA	MG-NB	-2.03	2.01	2.05
14	aA	1120	CLA	CMD-C2D	-2.03	1.46	1.50
14	aB	1207	CLA	CMB-C2B	-2.03	1.46	1.50
14	a2	513	CLA	CMD-C2D	-2.03	1.46	1.50
14	bA	1125	CLA	CMD-C2D	-2.03	1.46	1.50
14	b2	512	CLA	CMB-C2B	-2.03	1.46	1.50
14	b4	517	CLA	CMD-C2D	-2.03	1.46	1.50
14	cB	1213	CLA	CMD-C2D	-2.03	1.46	1.50
14	c6	502	CLA	CMD-C2D	-2.03	1.46	1.50
14	Z	516	CLA	CMB-C2B	-2.03	1.46	1.50
14	c	504	CLA	CMB-C2B	-2.03	1.46	1.50
14	f	507	CLA	CMD-C2D	-2.03	1.46	1.50
14	l	502	CLA	CMC-C2C	-2.03	1.46	1.50
14	o	501	CLA	CMB-C2B	-2.03	1.46	1.50
14	q	504	CLA	CMB-C2B	-2.03	1.46	1.50
20	W	822	SQD	O2-C2	-2.03	1.37	1.43
20	c1	822	SQD	O47-C45	-2.03	1.41	1.46
14	aB	1220	CLA	MG-NB	-2.03	2.01	2.05
14	cA	1112	CLA	MG-NB	-2.03	2.01	2.05
14	X	518	CLA	MG-NB	-2.03	2.01	2.05
14	Z	508	CLA	MG-NB	-2.03	2.01	2.05
14	aA	1114	CLA	CMD-C2D	-2.03	1.46	1.50
14	aA	1801	CLA	CMD-C2D	-2.03	1.46	1.50
14	b4	518	CLA	CMB-C2B	-2.03	1.46	1.50
14	b6	508	CLA	CMD-C2D	-2.03	1.46	1.50
14	T	516	CLA	CMD-C2D	-2.03	1.46	1.50
14	g	504	CLA	CMB-C2B	-2.03	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
15	cA	2001	PQN	C10-C5	-2.03	1.37	1.40
14	a1	504	CLA	MG-NB	-2.03	2.01	2.05
14	a1	511	CLA	MG-NB	-2.03	2.01	2.05
14	a5	508	CLA	MG-NB	-2.03	2.01	2.05
14	V	505	CLA	MG-NB	-2.03	2.01	2.05
20	S	822	SQD	O2-C2	-2.03	1.37	1.43
20	c	822	SQD	O2-C2	-2.03	1.37	1.43
14	aA	1136	CLA	CMB-C2B	-2.03	1.46	1.50
14	bA	1118	CLA	CMD-C2D	-2.03	1.46	1.50
14	bA	1138	CLA	CMD-C2D	-2.03	1.46	1.50
14	b3	513	CLA	CMD-C2D	-2.03	1.46	1.50
14	cA	1125	CLA	CMD-C2D	-2.03	1.46	1.50
14	c3	512	CLA	CMB-C2B	-2.03	1.46	1.50
14	c3	516	CLA	CMD-C2D	-2.03	1.46	1.50
14	S	504	CLA	CMB-C2B	-2.03	1.46	1.50
14	V	509	CLA	CMB-C2B	-2.03	1.46	1.50
14	W	511	CLA	CMB-C2B	-2.03	1.46	1.50
14	e	503	CLA	CMD-C2D	-2.03	1.46	1.50
14	q	513	CLA	CMD-C2D	-2.03	1.46	1.50
14	T	518	CLA	MG-NB	-2.03	2.01	2.05
14	U	518	CLA	MG-NB	-2.03	2.01	2.05
14	l	503	CLA	MG-NB	-2.03	2.01	2.05
14	m	509	CLA	MG-NB	-2.03	2.01	2.05
14	a4	512	CLA	CMD-C2D	-2.03	1.46	1.50
14	bB	1021	CLA	CMC-C2C	-2.03	1.46	1.50
14	b3	517	CLA	CMC-C2C	-2.03	1.46	1.50
14	cA	1125	CLA	CMB-C2B	-2.03	1.46	1.50
14	cK	1401	CLA	CMD-C2D	-2.03	1.46	1.50
14	Z	510	CLA	CMB-C2B	-2.03	1.46	1.50
14	b	507	CLA	CMD-C2D	-2.03	1.46	1.50
14	m	517	CLA	CMB-C2B	-2.03	1.46	1.50
14	aA	1139	CLA	MG-NB	-2.02	2.01	2.05
14	b6	518	CLA	MG-NB	-2.02	2.01	2.05
14	S	511	CLA	MG-NB	-2.02	2.01	2.05
14	b	516	CLA	MG-NB	-2.02	2.01	2.05
14	d	513	CLA	MG-NB	-2.02	2.01	2.05
14	e	502	CLA	MG-NB	-2.02	2.01	2.05
14	h	513	CLA	MG-NB	-2.02	2.01	2.05
14	aA	1131	CLA	CMD-C2D	-2.02	1.46	1.50
14	bA	1130	CLA	CMD-C2D	-2.02	1.46	1.50
14	b5	517	CLA	CMD-C2D	-2.02	1.46	1.50
14	cA	1114	CLA	CMD-C2D	-2.02	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	c3	509	CLA	CMD-C2D	-2.02	1.46	1.50
14	S	518	CLA	CMD-C2D	-2.02	1.46	1.50
14	W	519	CLA	CMD-C2D	-2.02	1.46	1.50
14	X	504	CLA	CMD-C2D	-2.02	1.46	1.50
14	X	517	CLA	CMB-C2B	-2.02	1.46	1.50
14	Y	517	CLA	CMB-C2B	-2.02	1.46	1.50
14	c4	517	CLA	MG-NB	-2.02	2.01	2.05
14	p	517	CLA	MG-NB	-2.02	2.01	2.05
14	a5	518	CLA	CMB-C2B	-2.02	1.46	1.50
14	bA	1135	CLA	CMD-C2D	-2.02	1.46	1.50
14	V	508	CLA	CMD-C2D	-2.02	1.46	1.50
14	V	513	CLA	CMD-C2D	-2.02	1.46	1.50
14	Z	518	CLA	CMD-C2D	-2.02	1.46	1.50
14	a	506	CLA	CMD-C2D	-2.02	1.46	1.50
14	f	509	CLA	CMB-C2B	-2.02	1.46	1.50
14	f	517	CLA	CMD-C2D	-2.02	1.46	1.50
14	g	518	CLA	CMD-C2D	-2.02	1.46	1.50
14	i	504	CLA	CMD-C2D	-2.02	1.46	1.50
14	i	513	CLA	CMD-C2D	-2.02	1.46	1.50
14	j	510	CLA	CMD-C2D	-2.02	1.46	1.50
14	bB	1203	CLA	MG-NB	-2.02	2.01	2.05
14	b3	507	CLA	MG-NB	-2.02	2.01	2.05
14	b4	513	CLA	MG-NB	-2.02	2.01	2.05
14	b5	511	CLA	MG-NB	-2.02	2.01	2.05
14	cB	1204	CLA	MG-NB	-2.02	2.01	2.05
14	T	508	CLA	MG-NB	-2.02	2.01	2.05
14	X	502	CLA	MG-NB	-2.02	2.01	2.05
14	q	507	CLA	MG-NB	-2.02	2.01	2.05
14	bF	1301	CLA	CMD-C2D	-2.02	1.46	1.50
14	b1	504	CLA	CMB-C2B	-2.02	1.46	1.50
14	b4	511	CLA	CMD-C2D	-2.02	1.46	1.50
14	cB	1221	CLA	CMC-C2C	-2.02	1.46	1.50
14	cB	1229	CLA	CMD-C2D	-2.02	1.46	1.50
14	cB	1236	CLA	CMB-C2B	-2.02	1.46	1.50
14	cX	1401	CLA	CMD-C2D	-2.02	1.46	1.50
14	c6	517	CLA	CMD-C2D	-2.02	1.46	1.50
14	V	510	CLA	CMD-C2D	-2.02	1.46	1.50
14	W	501	CLA	CMD-C2D	-2.02	1.46	1.50
14	X	507	CLA	CMD-C2D	-2.02	1.46	1.50
14	X	517	CLA	CMD-C2D	-2.02	1.46	1.50
14	b	508	CLA	CMB-C2B	-2.02	1.46	1.50
14	m	508	CLA	CMD-C2D	-2.02	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	p	517	CLA	CMB-C2B	-2.02	1.46	1.50
14	aA	1140	CLA	MG-NB	-2.02	2.01	2.05
14	aB	1222	CLA	MG-NB	-2.02	2.01	2.05
14	bA	1114	CLA	MG-NB	-2.02	2.01	2.05
14	k	502	CLA	MG-NB	-2.02	2.01	2.05
14	p	510	CLA	MG-NB	-2.02	2.01	2.05
14	aA	1138	CLA	CMB-C2B	-2.02	1.46	1.50
14	bA	1022	CLA	CMB-C2B	-2.02	1.46	1.50
14	bB	1208	CLA	CMD-C2D	-2.02	1.46	1.50
14	cA	1106	CLA	CMD-C2D	-2.02	1.46	1.50
14	S	506	CLA	CMC-C2C	-2.02	1.46	1.50
14	Y	506	CLA	CMD-C2D	-2.02	1.46	1.50
14	b	509	CLA	CMB-C2B	-2.02	1.46	1.50
14	c	519	CLA	CMD-C2D	-2.02	1.46	1.50
14	j	503	CLA	CMD-C2D	-2.02	1.46	1.50
14	j	513	CLA	CMD-C2D	-2.02	1.46	1.50
14	l	511	CLA	CMB-C2B	-2.02	1.46	1.50
14	aK	1103	CLA	MG-NB	-2.02	2.01	2.05
14	c3	516	CLA	MG-NB	-2.02	2.01	2.05
14	S	513	CLA	MG-NB	-2.02	2.01	2.05
14	Z	502	CLA	MG-NB	-2.02	2.01	2.05
14	a	505	CLA	MG-NB	-2.02	2.01	2.05
14	f	507	CLA	MG-NB	-2.02	2.01	2.05
14	g	503	CLA	MG-NB	-2.02	2.01	2.05
14	g	506	CLA	MG-NB	-2.02	2.01	2.05
14	m	511	CLA	MG-NB	-2.02	2.01	2.05
14	aK	1103	CLA	CMB-C2B	-2.02	1.46	1.50
14	a2	509	CLA	CMD-C2D	-2.02	1.46	1.50
14	bB	1203	CLA	CMD-C2D	-2.02	1.46	1.50
14	Y	504	CLA	CMD-C2D	-2.02	1.46	1.50
14	Y	518	CLA	CMB-C2B	-2.02	1.46	1.50
14	a	517	CLA	CMB-C2B	-2.02	1.46	1.50
14	b	504	CLA	CMD-C2D	-2.02	1.46	1.50
14	d	517	CLA	CMB-C2B	-2.02	1.46	1.50
14	j	508	CLA	CMB-C2B	-2.02	1.46	1.50
20	a4	822	SQD	O2-C2	-2.02	1.37	1.43
14	aL	1502	CLA	CMB-C2B	-2.02	1.46	1.50
14	a1	504	CLA	CMB-C2B	-2.02	1.46	1.50
14	b4	513	CLA	CMD-C2D	-2.02	1.46	1.50
14	b6	509	CLA	CMD-C2D	-2.02	1.46	1.50
14	cA	1102	CLA	CMD-C2D	-2.02	1.46	1.50
14	cK	1103	CLA	CMB-C2B	-2.02	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	W	512	CLA	CMB-C2B	-2.02	1.46	1.50
14	X	501	CLA	CMB-C2B	-2.02	1.46	1.50
14	X	518	CLA	CMB-C2B	-2.02	1.46	1.50
14	Y	513	CLA	CMD-C2D	-2.02	1.46	1.50
14	e	512	CLA	CMD-C2D	-2.02	1.46	1.50
14	a4	512	CLA	MG-NB	-2.02	2.01	2.05
14	a4	519	CLA	MG-NB	-2.02	2.01	2.05
14	bB	1202	CLA	MG-NB	-2.02	2.01	2.05
14	bB	1235	CLA	MG-NB	-2.02	2.01	2.05
14	c2	519	CLA	MG-NB	-2.02	2.01	2.05
14	c3	506	CLA	MG-NB	-2.02	2.01	2.05
14	b	519	CLA	MG-NB	-2.02	2.01	2.05
14	aA	1118	CLA	CMB-C2B	-2.02	1.46	1.50
14	aA	1129	CLA	CMD-C2D	-2.02	1.46	1.50
14	aB	1218	CLA	CMB-C2B	-2.02	1.46	1.50
14	a6	507	CLA	CMD-C2D	-2.02	1.46	1.50
14	bB	1218	CLA	CMD-C2D	-2.02	1.46	1.50
14	cB	1228	CLA	CMB-C2B	-2.02	1.46	1.50
14	c5	506	CLA	CMB-C2B	-2.02	1.46	1.50
14	T	518	CLA	CMD-C2D	-2.02	1.46	1.50
14	Z	517	CLA	CMB-C2B	-2.02	1.46	1.50
14	a	507	CLA	CMD-C2D	-2.02	1.46	1.50
14	e	504	CLA	CMB-C2B	-2.02	1.46	1.50
14	g	517	CLA	CMB-C2B	-2.02	1.46	1.50
14	a3	517	CLA	MG-NB	-2.02	2.01	2.05
14	bA	1104	CLA	MG-NB	-2.02	2.01	2.05
14	b3	516	CLA	MG-NB	-2.02	2.01	2.05
14	c4	516	CLA	MG-NB	-2.02	2.01	2.05
14	d	507	CLA	MG-NB	-2.02	2.01	2.05
14	h	509	CLA	MG-NB	-2.02	2.01	2.05
14	a3	518	CLA	CMD-C2D	-2.02	1.46	1.50
14	bB	1224	CLA	CMB-C2B	-2.02	1.46	1.50
14	b2	504	CLA	CMD-C2D	-2.02	1.46	1.50
14	b3	511	CLA	CMD-C2D	-2.02	1.46	1.50
14	c2	517	CLA	CMB-C2B	-2.02	1.46	1.50
14	U	513	CLA	CMD-C2D	-2.02	1.46	1.50
14	g	501	CLA	CMB-C2B	-2.02	1.46	1.50
20	X	822	SQD	O2-C2	-2.02	1.38	1.43
20	f	822	SQD	O2-C2	-2.02	1.38	1.43
20	n	822	SQD	O2-C2	-2.02	1.38	1.43
14	b4	508	CLA	MG-NB	-2.02	2.01	2.05
14	cA	1108	CLA	MG-NB	-2.02	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	T	517	CLA	MG-NB	-2.02	2.01	2.05
14	h	517	CLA	MG-NB	-2.02	2.01	2.05
14	i	519	CLA	MG-NB	-2.02	2.01	2.05
14	aA	1102	CLA	CMD-C2D	-2.02	1.46	1.50
14	c5	507	CLA	CMC-C2C	-2.02	1.46	1.50
14	d	501	CLA	CMB-C2B	-2.02	1.46	1.50
14	i	510	CLA	CMD-C2D	-2.02	1.46	1.50
14	m	507	CLA	CMD-C2D	-2.02	1.46	1.50
14	n	516	CLA	CMB-C2B	-2.02	1.46	1.50
14	cK	1103	CLA	MG-NB	-2.02	2.01	2.05
20	b	822	SQD	O2-C2	-2.02	1.38	1.43
14	aA	1117	CLA	CMD-C2D	-2.02	1.46	1.50
14	a6	516	CLA	CMD-C2D	-2.02	1.46	1.50
14	bA	1104	CLA	CMB-C2B	-2.02	1.46	1.50
14	bB	1239	CLA	CMD-C2D	-2.02	1.46	1.50
14	cB	1216	CLA	CMD-C2D	-2.02	1.46	1.50
14	c2	509	CLA	CMB-C2B	-2.02	1.46	1.50
14	c3	507	CLA	CMD-C2D	-2.02	1.46	1.50
14	c4	509	CLA	CMD-C2D	-2.02	1.46	1.50
14	a	501	CLA	CMB-C2B	-2.02	1.46	1.50
14	c	502	CLA	CMD-C2D	-2.02	1.46	1.50
14	d	504	CLA	CMD-C2D	-2.02	1.46	1.50
14	e	501	CLA	CMD-C2D	-2.02	1.46	1.50
14	f	518	CLA	CMB-C2B	-2.02	1.46	1.50
14	n	503	CLA	CMB-C2B	-2.02	1.46	1.50
14	p	506	CLA	CMD-C2D	-2.02	1.46	1.50
14	aA	1126	CLA	MG-NB	-2.02	2.01	2.05
14	aB	1232	CLA	MG-NB	-2.02	2.01	2.05
14	c4	504	CLA	MG-NB	-2.02	2.01	2.05
14	b	511	CLA	MG-NB	-2.02	2.01	2.05
14	a5	504	CLA	CMB-C2B	-2.02	1.46	1.50
14	bA	1117	CLA	CMD-C2D	-2.02	1.46	1.50
14	bB	1205	CLA	CMC-C2C	-2.02	1.46	1.50
14	b2	509	CLA	CMD-C2D	-2.02	1.46	1.50
14	b2	511	CLA	CMD-C2D	-2.02	1.46	1.50
14	cB	1205	CLA	CMC-C2C	-2.02	1.46	1.50
14	cB	1220	CLA	CMD-C2D	-2.02	1.46	1.50
14	c4	503	CLA	CMD-C2D	-2.02	1.46	1.50
14	W	510	CLA	CMD-C2D	-2.02	1.46	1.50
14	d	519	CLA	CMD-C2D	-2.02	1.46	1.50
14	aA	1132	CLA	MG-NB	-2.02	2.01	2.05
14	a4	508	CLA	MG-NB	-2.02	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b3	504	CLA	MG-NB	-2.02	2.01	2.05
14	cA	1116	CLA	MG-NB	-2.02	2.01	2.05
14	cB	1235	CLA	MG-NB	-2.02	2.01	2.05
14	k	518	CLA	MG-NB	-2.02	2.01	2.05
20	b2	822	SQD	O4-C4	-2.02	1.38	1.43
14	aA	1132	CLA	CMD-C2D	-2.02	1.46	1.50
14	bA	1013	CLA	CMC-C2C	-2.02	1.46	1.50
14	i	517	CLA	CMD-C2D	-2.02	1.46	1.50
14	k	513	CLA	CMD-C2D	-2.02	1.46	1.50
14	n	513	CLA	CMD-C2D	-2.02	1.46	1.50
14	o	506	CLA	CMD-C2D	-2.02	1.46	1.50
14	p	502	CLA	CMD-C2D	-2.02	1.46	1.50
14	c	510	CLA	MG-NB	-2.02	2.01	2.05
14	aA	1134	CLA	CMD-C2D	-2.02	1.46	1.50
14	a3	508	CLA	CMD-C2D	-2.02	1.46	1.50
14	a3	511	CLA	CMD-C2D	-2.02	1.46	1.50
14	a5	510	CLA	CMD-C2D	-2.02	1.46	1.50
14	b1	512	CLA	CMB-C2B	-2.02	1.46	1.50
14	cA	1108	CLA	CMD-C2D	-2.02	1.46	1.50
14	c1	519	CLA	CMD-C2D	-2.02	1.46	1.50
14	U	508	CLA	CMD-C2D	-2.02	1.46	1.50
14	V	501	CLA	CMB-C2B	-2.02	1.46	1.50
14	h	501	CLA	CMD-C2D	-2.02	1.46	1.50
20	g	822	SQD	O2-C2	-2.02	1.38	1.43
14	bB	1210	CLA	MG-NB	-2.02	2.01	2.05
14	bB	1234	CLA	MG-NB	-2.02	2.01	2.05
14	c2	503	CLA	MG-NB	-2.02	2.01	2.05
14	c	512	CLA	MG-NB	-2.02	2.01	2.05
14	d	502	CLA	MG-NB	-2.02	2.01	2.05
14	d	508	CLA	MG-NB	-2.02	2.01	2.05
14	n	506	CLA	MG-NB	-2.02	2.01	2.05
14	a2	518	CLA	CMB-C2B	-2.02	1.46	1.50
14	bB	1233	CLA	CMD-C2D	-2.02	1.46	1.50
14	b1	504	CLA	CMD-C2D	-2.02	1.46	1.50
14	b3	506	CLA	CMD-C2D	-2.02	1.46	1.50
14	cB	1223	CLA	CMC-C2C	-2.02	1.46	1.50
14	cB	1228	CLA	CMD-C2D	-2.02	1.46	1.50
14	c6	508	CLA	CMC-C2C	-2.02	1.46	1.50
14	i	519	CLA	CMD-C2D	-2.02	1.46	1.50
14	n	508	CLA	CMC-C2C	-2.02	1.46	1.50
14	a6	512	CLA	MG-NB	-2.02	2.01	2.05
14	bL	1503	CLA	MG-NB	-2.02	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	S	510	CLA	MG-NB	-2.02	2.01	2.05
14	U	511	CLA	MG-NB	-2.02	2.01	2.05
14	W	507	CLA	MG-NB	-2.02	2.01	2.05
14	e	517	CLA	MG-NB	-2.02	2.01	2.05
14	f	501	CLA	MG-NB	-2.02	2.01	2.05
14	b1	516	CLA	CMB-C2B	-2.02	1.46	1.50
14	S	510	CLA	CMD-C2D	-2.02	1.46	1.50
14	T	501	CLA	CMB-C2B	-2.02	1.46	1.50
14	Z	519	CLA	CMB-C2B	-2.02	1.46	1.50
14	a	510	CLA	CMB-C2B	-2.02	1.46	1.50
14	o	519	CLA	CMD-C2D	-2.02	1.46	1.50
14	b3	509	CLA	MG-NB	-2.02	2.01	2.05
14	b5	513	CLA	MG-NB	-2.02	2.01	2.05
14	cA	1111	CLA	MG-NB	-2.02	2.01	2.05
14	S	504	CLA	MG-NB	-2.02	2.01	2.05
14	X	513	CLA	MG-NB	-2.02	2.01	2.05
14	a	518	CLA	MG-NB	-2.02	2.01	2.05
14	f	517	CLA	MG-NB	-2.02	2.01	2.05
14	i	506	CLA	MG-NB	-2.02	2.01	2.05
14	m	513	CLA	MG-NB	-2.02	2.01	2.05
14	aA	1108	CLA	CMD-C2D	-2.02	1.46	1.50
14	a4	504	CLA	CMD-C2D	-2.02	1.46	1.50
14	a6	506	CLA	CMD-C2D	-2.02	1.46	1.50
14	bA	1123	CLA	CMD-C2D	-2.02	1.46	1.50
14	bX	1401	CLA	CMD-C2D	-2.02	1.46	1.50
14	b1	509	CLA	CMB-C2B	-2.02	1.46	1.50
14	b2	513	CLA	CMD-C2D	-2.02	1.46	1.50
14	b6	512	CLA	CMB-C2B	-2.02	1.46	1.50
14	c2	504	CLA	CMB-C2B	-2.02	1.46	1.50
14	c	511	CLA	CMB-C2B	-2.02	1.46	1.50
14	j	517	CLA	CMB-C2B	-2.02	1.46	1.50
14	l	502	CLA	CMD-C2D	-2.02	1.46	1.50
14	l	508	CLA	CMD-C2D	-2.02	1.46	1.50
14	n	504	CLA	CMD-C2D	-2.02	1.46	1.50
14	q	508	CLA	CMD-C2D	-2.02	1.46	1.50
14	aB	1218	CLA	MG-NB	-2.02	2.01	2.05
14	b1	510	CLA	MG-NB	-2.02	2.01	2.05
14	cA	1114	CLA	MG-NB	-2.02	2.01	2.05
14	c1	501	CLA	MG-NB	-2.02	2.01	2.05
14	e	508	CLA	MG-NB	-2.02	2.01	2.05
14	l	501	CLA	MG-NB	-2.02	2.01	2.05
14	b3	503	CLA	CMB-C2B	-2.02	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b3	509	CLA	CMB-C2B	-2.02	1.46	1.50
14	cB	1212	CLA	CMD-C2D	-2.02	1.46	1.50
14	c	508	CLA	CMC-C2C	-2.02	1.46	1.50
14	e	508	CLA	CMD-C2D	-2.02	1.46	1.50
14	aA	1111	CLA	MG-NB	-2.02	2.01	2.05
14	aB	1239	CLA	MG-NB	-2.02	2.01	2.05
14	a5	509	CLA	MG-NB	-2.02	2.01	2.05
14	b3	511	CLA	MG-NB	-2.02	2.01	2.05
14	c5	513	CLA	MG-NB	-2.02	2.01	2.05
14	Y	502	CLA	MG-NB	-2.02	2.01	2.05
14	e	506	CLA	MG-NB	-2.02	2.01	2.05
14	i	510	CLA	MG-NB	-2.02	2.01	2.05
14	j	517	CLA	MG-NB	-2.02	2.01	2.05
14	aA	1105	CLA	CMD-C2D	-2.02	1.46	1.50
14	aA	1116	CLA	CMB-C2B	-2.02	1.46	1.50
14	a6	503	CLA	CMB-C2B	-2.02	1.46	1.50
14	bA	1134	CLA	CMB-C2B	-2.02	1.46	1.50
14	bB	1228	CLA	CMD-C2D	-2.02	1.46	1.50
14	b3	507	CLA	CMD-C2D	-2.02	1.46	1.50
14	cB	1215	CLA	CMB-C2B	-2.02	1.46	1.50
14	W	513	CLA	CMD-C2D	-2.02	1.46	1.50
14	q	508	CLA	CMB-C2B	-2.02	1.46	1.50
14	aA	1106	CLA	MG-NB	-2.02	2.01	2.05
14	aA	1118	CLA	MG-NB	-2.02	2.01	2.05
14	a3	501	CLA	MG-NB	-2.02	2.01	2.05
14	bK	1401	CLA	MG-NB	-2.02	2.01	2.05
14	cA	1130	CLA	MG-NB	-2.02	2.01	2.05
14	k	508	CLA	MG-NB	-2.02	2.01	2.05
14	m	501	CLA	MG-NB	-2.02	2.01	2.05
20	m	822	SQD	O3-C3	-2.02	1.38	1.43
14	aA	1109	CLA	CMB-C2B	-2.02	1.46	1.50
14	aA	1125	CLA	CMB-C2B	-2.02	1.46	1.50
14	bA	1102	CLA	CMD-C2D	-2.02	1.46	1.50
14	bB	1223	CLA	CMC-C2C	-2.02	1.46	1.50
14	b1	506	CLA	CMD-C2D	-2.02	1.46	1.50
14	T	518	CLA	CMB-C2B	-2.02	1.46	1.50
14	Z	503	CLA	CMB-C2B	-2.02	1.46	1.50
14	j	509	CLA	CMD-C2D	-2.02	1.46	1.50
14	p	501	CLA	CMD-C2D	-2.02	1.46	1.50
18	aA	5002	LHG	P-O6	2.02	1.67	1.59
14	aK	1401	CLA	MG-NB	-2.02	2.01	2.05
14	b1	513	CLA	MG-NB	-2.02	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b3	503	CLA	MG-NB	-2.02	2.01	2.05
14	S	519	CLA	MG-NB	-2.02	2.01	2.05
14	c	506	CLA	MG-NB	-2.02	2.01	2.05
14	a3	513	CLA	CMD-C2D	-2.02	1.46	1.50
14	b5	501	CLA	CMB-C2B	-2.02	1.46	1.50
14	cB	1231	CLA	CMD-C2D	-2.02	1.46	1.50
14	cB	1238	CLA	CMB-C2B	-2.02	1.46	1.50
14	k	501	CLA	CMB-C2B	-2.02	1.46	1.50
14	p	508	CLA	CMD-C2D	-2.02	1.46	1.50
14	aA	1138	CLA	MG-NB	-2.02	2.01	2.05
14	aB	1224	CLA	MG-NB	-2.02	2.01	2.05
14	o	512	CLA	MG-NB	-2.02	2.01	2.05
14	aB	1232	CLA	CMD-C2D	-2.01	1.46	1.50
14	a1	509	CLA	CMD-C2D	-2.01	1.46	1.50
14	a1	516	CLA	CMD-C2D	-2.01	1.46	1.50
14	bX	1401	CLA	CMB-C2B	-2.01	1.46	1.50
14	c2	518	CLA	CMB-C2B	-2.01	1.46	1.50
14	V	507	CLA	CMB-C2B	-2.01	1.46	1.50
14	a	501	CLA	CMD-C2D	-2.01	1.46	1.50
14	f	501	CLA	CMC-C2C	-2.01	1.46	1.50
14	o	503	CLA	CMD-C2D	-2.01	1.46	1.50
14	o	504	CLA	CMD-C2D	-2.01	1.46	1.50
14	q	501	CLA	CMD-C2D	-2.01	1.46	1.50
14	q	519	CLA	CMD-C2D	-2.01	1.46	1.50
14	b2	510	CLA	MG-NB	-2.01	2.01	2.05
14	a	502	CLA	MG-NB	-2.01	2.01	2.05
14	d	510	CLA	MG-NB	-2.01	2.01	2.05
14	d	511	CLA	MG-NB	-2.01	2.01	2.05
14	d	512	CLA	MG-NB	-2.01	2.01	2.05
14	f	512	CLA	MG-NB	-2.01	2.01	2.05
14	aA	1102	CLA	CMB-C2B	-2.01	1.46	1.50
14	bA	1105	CLA	CMD-C2D	-2.01	1.46	1.50
14	b6	501	CLA	CMD-C2D	-2.01	1.46	1.50
14	c1	512	CLA	CMB-C2B	-2.01	1.46	1.50
14	n	509	CLA	CMD-C2D	-2.01	1.46	1.50
14	bB	1204	CLA	MG-NB	-2.01	2.01	2.05
14	S	502	CLA	MG-NB	-2.01	2.01	2.05
14	W	517	CLA	MG-NB	-2.01	2.01	2.05
14	b	512	CLA	MG-NB	-2.01	2.01	2.05
14	l	511	CLA	MG-NB	-2.01	2.01	2.05
14	a4	501	CLA	CMD-C2D	-2.01	1.46	1.50
14	Z	504	CLA	CMD-C2D	-2.01	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	e	503	CLA	CMB-C2B	-2.01	1.46	1.50
14	e	513	CLA	CMD-C2D	-2.01	1.46	1.50
14	f	516	CLA	CMD-C2D	-2.01	1.46	1.50
14	h	510	CLA	CMB-C2B	-2.01	1.46	1.50
14	o	508	CLA	CMD-C2D	-2.01	1.46	1.50
14	bB	1222	CLA	MG-NB	-2.01	2.01	2.05
14	b5	518	CLA	MG-NB	-2.01	2.01	2.05
14	X	507	CLA	MG-NB	-2.01	2.01	2.05
14	h	511	CLA	MG-NB	-2.01	2.01	2.05
14	j	510	CLA	MG-NB	-2.01	2.01	2.05
14	aA	1103	CLA	CMC-C2C	-2.01	1.46	1.50
14	aB	1228	CLA	CMB-C2B	-2.01	1.46	1.50
14	aB	1228	CLA	CMD-C2D	-2.01	1.46	1.50
14	bB	1220	CLA	CMB-C2B	-2.01	1.46	1.50
14	c1	506	CLA	CMD-C2D	-2.01	1.46	1.50
14	c4	501	CLA	CMD-C2D	-2.01	1.46	1.50
14	c4	509	CLA	CMB-C2B	-2.01	1.46	1.50
14	c6	516	CLA	CMD-C2D	-2.01	1.46	1.50
14	c	510	CLA	CMB-C2B	-2.01	1.46	1.50
14	n	503	CLA	CMD-C2D	-2.01	1.46	1.50
15	cA	2001	PQN	C2M-C2	2.01	1.54	1.50
14	aB	1212	CLA	MG-NB	-2.01	2.01	2.05
14	b6	506	CLA	MG-NB	-2.01	2.01	2.05
14	X	508	CLA	MG-NB	-2.01	2.01	2.05
14	Y	501	CLA	MG-NB	-2.01	2.01	2.05
14	h	507	CLA	MG-NB	-2.01	2.01	2.05
14	a2	511	CLA	CMD-C2D	-2.01	1.46	1.50
14	bA	1116	CLA	CMB-C2B	-2.01	1.46	1.50
14	bB	1235	CLA	CMB-C2B	-2.01	1.46	1.50
14	b1	518	CLA	CMD-C2D	-2.01	1.46	1.50
14	g	508	CLA	CMD-C2D	-2.01	1.46	1.50
14	l	503	CLA	CMB-C2B	-2.01	1.46	1.50
14	cA	1131	CLA	MG-NB	-2.01	2.01	2.05
14	n	509	CLA	MG-NB	-2.01	2.01	2.05
14	o	509	CLA	MG-NB	-2.01	2.01	2.05
17	Z	523	BCR	C1-C6	-2.01	1.51	1.53
14	aA	1013	CLA	CMB-C2B	-2.01	1.46	1.50
14	a6	517	CLA	CMD-C2D	-2.01	1.46	1.50
14	bB	1207	CLA	CMD-C2D	-2.01	1.46	1.50
14	b5	513	CLA	CMD-C2D	-2.01	1.46	1.50
14	b6	507	CLA	CMB-C2B	-2.01	1.46	1.50
14	W	511	CLA	CMD-C2D	-2.01	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a6	508	CLA	MG-NB	-2.01	2.01	2.05
14	bA	1022	CLA	MG-NB	-2.01	2.01	2.05
14	c2	502	CLA	MG-NB	-2.01	2.01	2.05
14	Z	512	CLA	MG-NB	-2.01	2.01	2.05
14	b6	513	CLA	CMD-C2D	-2.01	1.46	1.50
14	cA	1113	CLA	CMD-C2D	-2.01	1.46	1.50
14	c2	512	CLA	CMB-C2B	-2.01	1.46	1.50
14	T	511	CLA	CMB-C2B	-2.01	1.46	1.50
14	U	519	CLA	CMD-C2D	-2.01	1.46	1.50
20	e	822	SQD	O2-C2	-2.01	1.38	1.43
17	aA	4011	BCR	C1-C6	-2.01	1.51	1.53
14	c6	504	CLA	MG-NB	-2.01	2.01	2.05
14	S	509	CLA	MG-NB	-2.01	2.01	2.05
14	cB	1224	CLA	CMC-C2C	-2.01	1.46	1.50
14	S	517	CLA	CMB-C2B	-2.01	1.46	1.50
14	d	507	CLA	CMD-C2D	-2.01	1.46	1.50
14	h	504	CLA	CMB-C2B	-2.01	1.46	1.50
14	i	516	CLA	CMB-C2B	-2.01	1.46	1.50
14	a6	507	CLA	MG-NB	-2.01	2.01	2.05
14	c5	516	CLA	MG-NB	-2.01	2.01	2.05
14	W	501	CLA	MG-NB	-2.01	2.01	2.05
14	o	503	CLA	MG-NB	-2.01	2.01	2.05
14	aB	1202	CLA	CMB-C2B	-2.01	1.46	1.50
14	aB	1215	CLA	CMB-C2B	-2.01	1.46	1.50
14	a5	504	CLA	CMD-C2D	-2.01	1.46	1.50
14	a6	508	CLA	CMB-C2B	-2.01	1.46	1.50
14	b1	510	CLA	CMB-C2B	-2.01	1.46	1.50
14	b4	507	CLA	CMD-C2D	-2.01	1.46	1.50
14	b5	507	CLA	CMB-C2B	-2.01	1.46	1.50
14	cB	1225	CLA	CMB-C2B	-2.01	1.46	1.50
14	Z	507	CLA	CMD-C2D	-2.01	1.46	1.50
14	c	503	CLA	CMD-C2D	-2.01	1.46	1.50
14	e	512	CLA	CMB-C2B	-2.01	1.46	1.50
14	g	513	CLA	CMD-C2D	-2.01	1.46	1.50
14	j	501	CLA	CMD-C2D	-2.01	1.46	1.50
14	q	506	CLA	CMD-C2D	-2.01	1.46	1.50
20	c5	822	SQD	O4-C4	-2.01	1.38	1.43
14	aJ	1303	CLA	MG-NB	-2.01	2.01	2.05
14	b6	516	CLA	MG-NB	-2.01	2.01	2.05
14	d	519	CLA	MG-NB	-2.01	2.01	2.05
14	a6	509	CLA	CMB-C2B	-2.01	1.46	1.50
14	bB	1212	CLA	CMD-C2D	-2.01	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b5	510	CLA	CMB-C2B	-2.01	1.46	1.50
14	b6	510	CLA	CMD-C2D	-2.01	1.46	1.50
14	cA	1119	CLA	CMD-C2D	-2.01	1.46	1.50
14	Z	516	CLA	CMD-C2D	-2.01	1.46	1.50
14	d	512	CLA	CMB-C2B	-2.01	1.46	1.50
14	g	508	CLA	CMC-C2C	-2.01	1.46	1.50
14	o	517	CLA	CMB-C2B	-2.01	1.46	1.50
14	c4	519	CLA	MG-NB	-2.01	2.01	2.05
14	Z	504	CLA	MG-NB	-2.01	2.01	2.05
14	d	509	CLA	MG-NB	-2.01	2.01	2.05
14	aA	1103	CLA	CMD-C2D	-2.01	1.46	1.50
14	bA	1122	CLA	CMC-C2C	-2.01	1.46	1.50
14	bB	1210	CLA	CMD-C2D	-2.01	1.46	1.50
14	bB	1215	CLA	CMD-C2D	-2.01	1.46	1.50
14	bB	1231	CLA	CMD-C2D	-2.01	1.46	1.50
14	bB	1236	CLA	CMB-C2B	-2.01	1.46	1.50
14	b3	504	CLA	CMB-C2B	-2.01	1.46	1.50
14	c3	509	CLA	CMB-C2B	-2.01	1.46	1.50
14	c3	518	CLA	CMB-C2B	-2.01	1.46	1.50
14	S	519	CLA	CMB-C2B	-2.01	1.46	1.50
14	Z	506	CLA	CMD-C2D	-2.01	1.46	1.50
14	b	513	CLA	CMD-C2D	-2.01	1.46	1.50
14	g	501	CLA	CMD-C2D	-2.01	1.46	1.50
14	m	501	CLA	CMB-C2B	-2.01	1.46	1.50
20	c6	822	SQD	O2-C2	-2.01	1.38	1.43
14	a2	503	CLA	MG-NB	-2.01	2.01	2.05
14	bB	1209	CLA	MG-NB	-2.01	2.01	2.05
14	bB	1214	CLA	MG-NB	-2.01	2.01	2.05
14	i	509	CLA	MG-NB	-2.01	2.01	2.05
14	i	518	CLA	MG-NB	-2.01	2.01	2.05
14	a1	502	CLA	CMC-C2C	-2.01	1.46	1.50
14	a5	502	CLA	CMC-C2C	-2.01	1.46	1.50
14	a5	511	CLA	CMD-C2D	-2.01	1.46	1.50
14	b2	517	CLA	CMC-C2C	-2.01	1.46	1.50
14	W	519	CLA	CMB-C2B	-2.01	1.46	1.50
14	c	506	CLA	CMC-C2C	-2.01	1.46	1.50
14	g	516	CLA	CMD-C2D	-2.01	1.46	1.50
14	g	517	CLA	CMD-C2D	-2.01	1.46	1.50
14	k	503	CLA	CMD-C2D	-2.01	1.46	1.50
14	l	504	CLA	CMB-C2B	-2.01	1.46	1.50
14	a3	511	CLA	MG-NB	-2.01	2.01	2.05
14	b1	502	CLA	MG-NB	-2.01	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	f	510	CLA	MG-NB	-2.01	2.01	2.05
14	j	502	CLA	MG-NB	-2.01	2.01	2.05
14	a3	501	CLA	CMB-C2B	-2.01	1.46	1.50
14	a6	513	CLA	CMD-C2D	-2.01	1.46	1.50
14	b1	503	CLA	CMD-C2D	-2.01	1.46	1.50
14	b5	504	CLA	CMD-C2D	-2.01	1.46	1.50
14	cA	1136	CLA	CMB-C2B	-2.01	1.46	1.50
14	cJ	1302	CLA	CMD-C2D	-2.01	1.46	1.50
14	Z	519	CLA	CMD-C2D	-2.01	1.46	1.50
14	q	503	CLA	CMD-C2D	-2.01	1.46	1.50
14	aA	1121	CLA	MG-NB	-2.01	2.01	2.05
14	bB	1023	CLA	MG-NB	-2.01	2.01	2.05
14	b2	511	CLA	MG-NB	-2.01	2.01	2.05
14	c	513	CLA	MG-NB	-2.01	2.01	2.05
14	o	504	CLA	MG-NB	-2.01	2.01	2.05
14	o	507	CLA	MG-NB	-2.01	2.01	2.05
14	p	518	CLA	MG-NB	-2.01	2.01	2.05
14	a4	503	CLA	CMB-C2B	-2.01	1.46	1.50
14	a6	519	CLA	CMD-C2D	-2.01	1.46	1.50
14	bA	1121	CLA	CMB-C2B	-2.01	1.46	1.50
14	b5	504	CLA	CMB-C2B	-2.01	1.46	1.50
14	cB	1021	CLA	CMC-C2C	-2.01	1.46	1.50
14	cB	1209	CLA	CMD-C2D	-2.01	1.46	1.50
14	g	510	CLA	CMD-C2D	-2.01	1.46	1.50
14	i	512	CLA	CMB-C2B	-2.01	1.46	1.50
14	k	508	CLA	CMB-C2B	-2.01	1.46	1.50
14	l	501	CLA	CMD-C2D	-2.01	1.46	1.50
14	m	516	CLA	CMD-C2D	-2.01	1.46	1.50
14	a2	508	CLA	MG-NB	-2.01	2.01	2.05
14	b4	519	CLA	MG-NB	-2.01	2.01	2.05
14	c1	511	CLA	MG-NB	-2.01	2.01	2.05
14	m	518	CLA	MG-NB	-2.01	2.01	2.05
14	a1	507	CLA	CMD-C2D	-2.01	1.46	1.50
14	bB	1209	CLA	CMD-C2D	-2.01	1.46	1.50
14	b4	501	CLA	CMD-C2D	-2.01	1.46	1.50
14	cB	1204	CLA	CMB-C2B	-2.01	1.46	1.50
14	T	517	CLA	CMD-C2D	-2.01	1.46	1.50
14	U	506	CLA	CMD-C2D	-2.01	1.46	1.50
14	a	504	CLA	CMD-C2D	-2.01	1.46	1.50
14	h	508	CLA	CMD-C2D	-2.01	1.46	1.50
20	T	822	SQD	O2-C2	-2.01	1.38	1.43
14	bA	1109	CLA	CMC-C2C	-2.01	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b1	516	CLA	CMD-C2D	-2.01	1.46	1.50
14	cA	1801	CLA	CMB-C2B	-2.01	1.46	1.50
14	c1	507	CLA	CMB-C2B	-2.01	1.46	1.50
14	T	504	CLA	CMD-C2D	-2.01	1.46	1.50
14	e	519	CLA	CMD-C2D	-2.01	1.46	1.50
14	b5	501	CLA	MG-NB	-2.01	2.01	2.05
14	c6	513	CLA	MG-NB	-2.01	2.01	2.05
14	U	501	CLA	MG-NB	-2.01	2.01	2.05
14	W	519	CLA	MG-NB	-2.01	2.01	2.05
14	X	517	CLA	MG-NB	-2.01	2.01	2.05
20	Y	822	SQD	O2-C2	-2.01	1.38	1.43
14	aA	1112	CLA	CMD-C2D	-2.01	1.46	1.50
14	aB	1213	CLA	CMD-C2D	-2.01	1.46	1.50
14	a6	510	CLA	CMB-C2B	-2.01	1.46	1.50
14	bA	1105	CLA	CMB-C2B	-2.01	1.46	1.50
14	b4	519	CLA	CMD-C2D	-2.01	1.46	1.50
14	c6	519	CLA	CMD-C2D	-2.01	1.46	1.50
14	T	503	CLA	CMB-C2B	-2.01	1.46	1.50
14	T	506	CLA	CMD-C2D	-2.01	1.46	1.50
14	V	502	CLA	CMC-C2C	-2.01	1.46	1.50
14	X	511	CLA	CMB-C2B	-2.01	1.46	1.50
14	b	501	CLA	CMD-C2D	-2.01	1.46	1.50
14	b	506	CLA	CMB-C2B	-2.01	1.46	1.50
14	l	517	CLA	CMC-C2C	-2.01	1.46	1.50
14	cB	1012	CLA	MG-NB	-2.01	2.01	2.05
14	T	511	CLA	MG-NB	-2.01	2.01	2.05
14	n	511	CLA	MG-NB	-2.01	2.01	2.05
14	o	511	CLA	MG-NB	-2.01	2.01	2.05
20	d	822	SQD	O2-C2	-2.01	1.38	1.43
14	aA	1134	CLA	CMB-C2B	-2.01	1.46	1.50
14	bA	1138	CLA	CMB-C2B	-2.01	1.46	1.50
14	b6	516	CLA	CMD-C2D	-2.01	1.46	1.50
14	c5	501	CLA	CMB-C2B	-2.01	1.46	1.50
14	c5	519	CLA	CMD-C2D	-2.01	1.46	1.50
14	S	503	CLA	CMD-C2D	-2.01	1.46	1.50
14	U	503	CLA	CMD-C2D	-2.01	1.46	1.50
14	V	518	CLA	CMD-C2D	-2.01	1.46	1.50
14	h	503	CLA	CMD-C2D	-2.01	1.46	1.50
14	o	507	CLA	CMB-C2B	-2.01	1.46	1.50
14	a2	517	CLA	MG-NB	-2.01	2.01	2.05
14	a4	513	CLA	MG-NB	-2.01	2.01	2.05
14	c4	501	CLA	MG-NB	-2.01	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	T	501	CLA	MG-NB	-2.01	2.01	2.05
14	T	513	CLA	MG-NB	-2.01	2.01	2.05
14	h	502	CLA	MG-NB	-2.01	2.01	2.05
14	n	501	CLA	MG-NB	-2.01	2.01	2.05
14	aK	1401	CLA	CMD-C2D	-2.01	1.46	1.50
14	a5	506	CLA	CMD-C2D	-2.01	1.46	1.50
14	a5	516	CLA	CMC-C2C	-2.01	1.46	1.50
14	a5	519	CLA	CMB-C2B	-2.01	1.46	1.50
14	bB	1214	CLA	CMD-C2D	-2.01	1.46	1.50
14	bB	1224	CLA	CMC-C2C	-2.01	1.46	1.50
14	bB	1234	CLA	CMD-C2D	-2.01	1.46	1.50
14	bJ	1303	CLA	CMD-C2D	-2.01	1.46	1.50
14	b2	516	CLA	CMB-C2B	-2.01	1.46	1.50
14	b6	502	CLA	CMC-C2C	-2.01	1.46	1.50
14	cA	1140	CLA	CMB-C2B	-2.01	1.46	1.50
14	cA	1801	CLA	CMD-C2D	-2.01	1.46	1.50
14	c1	506	CLA	CMC-C2C	-2.01	1.46	1.50
14	c	509	CLA	CMC-C2C	-2.01	1.46	1.50
14	i	508	CLA	CMC-C2C	-2.01	1.46	1.50
14	m	510	CLA	CMD-C2D	-2.01	1.46	1.50
14	aA	1102	CLA	MG-NB	-2.01	2.01	2.05
14	a6	513	CLA	MG-NB	-2.01	2.01	2.05
14	bA	1121	CLA	MG-NB	-2.01	2.01	2.05
14	bA	1131	CLA	MG-NB	-2.01	2.01	2.05
14	b1	516	CLA	MG-NB	-2.01	2.01	2.05
14	c5	502	CLA	MG-NB	-2.01	2.01	2.05
14	S	518	CLA	MG-NB	-2.01	2.01	2.05
14	Y	511	CLA	MG-NB	-2.01	2.01	2.05
14	l	518	CLA	MG-NB	-2.01	2.01	2.05
14	p	502	CLA	MG-NB	-2.01	2.01	2.05
14	S	501	CLA	CMD-C2D	-2.01	1.46	1.50
14	X	508	CLA	CMD-C2D	-2.01	1.46	1.50
14	c	513	CLA	CMD-C2D	-2.01	1.46	1.50
14	m	503	CLA	CMD-C2D	-2.01	1.46	1.50
14	p	516	CLA	CMD-C2D	-2.01	1.46	1.50
14	aB	1231	CLA	MG-NB	-2.01	2.01	2.05
14	b4	506	CLA	MG-NB	-2.01	2.01	2.05
14	d	518	CLA	MG-NB	-2.01	2.01	2.05
14	e	510	CLA	MG-NB	-2.01	2.01	2.05
14	i	512	CLA	MG-NB	-2.01	2.01	2.05
14	k	511	CLA	MG-NB	-2.01	2.01	2.05
14	o	505	CLA	MG-NB	-2.01	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	q	501	CLA	MG-NB	-2.01	2.01	2.05
14	q	513	CLA	MG-NB	-2.01	2.01	2.05
14	aB	1205	CLA	CMC-C2C	-2.01	1.46	1.50
14	aJ	1302	CLA	CMD-C2D	-2.01	1.46	1.50
14	a4	519	CLA	CMB-C2B	-2.01	1.46	1.50
14	a5	513	CLA	CMD-C2D	-2.01	1.46	1.50
14	b3	511	CLA	CMB-C2B	-2.01	1.46	1.50
14	W	507	CLA	CMD-C2D	-2.01	1.46	1.50
14	c	502	CLA	CMC-C2C	-2.01	1.46	1.50
14	e	504	CLA	CMD-C2D	-2.01	1.46	1.50
14	o	511	CLA	CMD-C2D	-2.01	1.46	1.50
14	b6	511	CLA	MG-NB	-2.01	2.01	2.05
14	c4	506	CLA	MG-NB	-2.01	2.01	2.05
14	c	501	CLA	MG-NB	-2.01	2.01	2.05
14	c	517	CLA	O2A-CGA	2.01	1.37	1.30
14	aB	1224	CLA	CMB-C2B	-2.00	1.46	1.50
14	a1	510	CLA	CMD-C2D	-2.00	1.46	1.50
14	a2	504	CLA	CMD-C2D	-2.00	1.46	1.50
14	bA	1106	CLA	CMB-C2B	-2.00	1.46	1.50
14	b1	518	CLA	CMB-C2B	-2.00	1.46	1.50
14	b4	506	CLA	CMD-C2D	-2.00	1.46	1.50
14	c5	517	CLA	CMB-C2B	-2.00	1.46	1.50
14	T	510	CLA	CMB-C2B	-2.00	1.46	1.50
14	f	504	CLA	CMC-C2C	-2.00	1.46	1.50
14	j	519	CLA	CMB-C2B	-2.00	1.46	1.50
14	l	503	CLA	CMD-C2D	-2.00	1.46	1.50
14	l	506	CLA	CMD-C2D	-2.00	1.46	1.50
20	c5	822	SQD	O2-C2	-2.00	1.38	1.43
14	b5	512	CLA	MG-NB	-2.00	2.01	2.05
14	l	510	CLA	MG-NB	-2.00	2.01	2.05
18	bA	5003	LHG	P-O6	2.00	1.67	1.59
14	aB	1216	CLA	CMD-C2D	-2.00	1.46	1.50
14	aK	1401	CLA	CMB-C2B	-2.00	1.46	1.50
14	b	516	CLA	CMD-C2D	-2.00	1.46	1.50
14	k	507	CLA	CMB-C2B	-2.00	1.46	1.50
14	aB	1230	CLA	MG-NB	-2.00	2.01	2.05
14	aA	1112	CLA	CMB-C2B	-2.00	1.46	1.50
14	a1	508	CLA	CMD-C2D	-2.00	1.46	1.50
14	a1	517	CLA	CMB-C2B	-2.00	1.46	1.50
14	bA	1140	CLA	CMB-C2B	-2.00	1.46	1.50
14	bB	1201	CLA	CMD-C2D	-2.00	1.46	1.50
14	b2	511	CLA	CMB-C2B	-2.00	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	c1	508	CLA	CMD-C2D	-2.00	1.46	1.50
14	c3	508	CLA	CMC-C2C	-2.00	1.46	1.50
14	Z	507	CLA	CMB-C2B	-2.00	1.46	1.50
14	Z	511	CLA	CMD-C2D	-2.00	1.46	1.50
14	b	517	CLA	CMD-C2D	-2.00	1.46	1.50
14	c	506	CLA	CMD-C2D	-2.00	1.46	1.50
14	bB	1212	CLA	MG-NB	-2.00	2.01	2.05
14	T	507	CLA	MG-NB	-2.00	2.01	2.05
14	a	516	CLA	MG-NB	-2.00	2.01	2.05
14	e	507	CLA	MG-NB	-2.00	2.01	2.05
14	o	519	CLA	MG-NB	-2.00	2.01	2.05
14	bB	1213	CLA	CMB-C2B	-2.00	1.46	1.50
14	cA	1135	CLA	CMB-C2B	-2.00	1.46	1.50
14	cL	1502	CLA	CMB-C2B	-2.00	1.46	1.50
14	b	501	CLA	CMB-C2B	-2.00	1.46	1.50
14	g	504	CLA	CMD-C2D	-2.00	1.46	1.50
14	i	501	CLA	CMB-C2B	-2.00	1.46	1.50
14	n	518	CLA	CMB-C2B	-2.00	1.46	1.50
14	a1	517	CLA	MG-NB	-2.00	2.01	2.05
14	a6	517	CLA	MG-NB	-2.00	2.01	2.05
14	bB	1220	CLA	MG-NB	-2.00	2.01	2.05
14	c4	509	CLA	MG-NB	-2.00	2.01	2.05
14	c6	503	CLA	MG-NB	-2.00	2.01	2.05
14	c	508	CLA	MG-NB	-2.00	2.01	2.05
14	aA	1126	CLA	CMC-C2C	-2.00	1.46	1.50
14	aB	1210	CLA	CMB-C2B	-2.00	1.46	1.50
14	aB	1223	CLA	CMC-C2C	-2.00	1.46	1.50
14	a6	512	CLA	CMB-C2B	-2.00	1.46	1.50
14	bA	1106	CLA	CMD-C2D	-2.00	1.46	1.50
14	bA	1119	CLA	CMD-C2D	-2.00	1.46	1.50
14	bA	1137	CLA	CMB-C2B	-2.00	1.46	1.50
14	cB	1208	CLA	CMD-C2D	-2.00	1.46	1.50
14	c2	507	CLA	CMD-C2D	-2.00	1.46	1.50
14	W	516	CLA	CMD-C2D	-2.00	1.46	1.50
14	X	503	CLA	CMB-C2B	-2.00	1.46	1.50
14	a	503	CLA	CMD-C2D	-2.00	1.46	1.50
14	d	510	CLA	CMD-C2D	-2.00	1.46	1.50
14	o	518	CLA	CMD-C2D	-2.00	1.46	1.50
14	p	512	CLA	CMB-C2B	-2.00	1.46	1.50
14	aB	1205	CLA	MG-NB	-2.00	2.01	2.05
14	a4	503	CLA	MG-NB	-2.00	2.01	2.05
14	e	501	CLA	MG-NB	-2.00	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a2	508	CLA	CMD-C2D	-2.00	1.46	1.50
14	bB	1229	CLA	CMD-C2D	-2.00	1.46	1.50
14	b4	503	CLA	CMD-C2D	-2.00	1.46	1.50
14	b5	501	CLA	CMD-C2D	-2.00	1.46	1.50
14	cA	1132	CLA	CMC-C2C	-2.00	1.46	1.50
14	c2	509	CLA	CMD-C2D	-2.00	1.46	1.50
14	c	510	CLA	CMD-C2D	-2.00	1.46	1.50
14	d	506	CLA	CMD-C2D	-2.00	1.46	1.50
14	h	506	CLA	CMD-C2D	-2.00	1.46	1.50
14	k	509	CLA	CMD-C2D	-2.00	1.46	1.50
14	l	501	CLA	CMB-C2B	-2.00	1.46	1.50
14	n	510	CLA	CMB-C2B	-2.00	1.46	1.50
14	bA	1102	CLA	MG-NB	-2.00	2.01	2.05
14	b6	504	CLA	MG-NB	-2.00	2.01	2.05
14	W	516	CLA	MG-NB	-2.00	2.01	2.05
14	aB	1223	CLA	CMD-C2D	-2.00	1.46	1.50
14	b1	501	CLA	CMC-C2C	-2.00	1.46	1.50
14	cA	1136	CLA	CMD-C2D	-2.00	1.46	1.50
14	cA	1138	CLA	CMD-C2D	-2.00	1.46	1.50
14	c1	511	CLA	CMD-C2D	-2.00	1.46	1.50
14	c2	510	CLA	CMD-C2D	-2.00	1.46	1.50
14	c6	511	CLA	CMB-C2B	-2.00	1.46	1.50
14	a	511	CLA	CMB-C2B	-2.00	1.46	1.50
14	b	502	CLA	CMC-C2C	-2.00	1.46	1.50
14	c	518	CLA	CMB-C2B	-2.00	1.46	1.50
14	p	503	CLA	CMD-C2D	-2.00	1.46	1.50
14	q	501	CLA	CMB-C2B	-2.00	1.46	1.50
21	a6	5104	LMG	O7-C8	-2.00	1.41	1.46
14	b6	517	CLA	MG-NB	-2.00	2.01	2.05
14	c2	511	CLA	MG-NB	-2.00	2.01	2.05
14	c3	511	CLA	MG-NB	-2.00	2.01	2.05
14	a1	511	CLA	CMB-C2B	-2.00	1.46	1.50
14	a3	509	CLA	CMC-C2C	-2.00	1.46	1.50
14	bA	1132	CLA	CMD-C2D	-2.00	1.46	1.50
14	cB	1214	CLA	CMD-C2D	-2.00	1.46	1.50
14	cL	1503	CLA	CMB-C2B	-2.00	1.46	1.50
14	S	504	CLA	CMD-C2D	-2.00	1.46	1.50
14	V	512	CLA	CMB-C2B	-2.00	1.46	1.50
14	a	512	CLA	CMB-C2B	-2.00	1.46	1.50
14	h	503	CLA	CMB-C2B	-2.00	1.46	1.50
14	k	506	CLA	CMD-C2D	-2.00	1.46	1.50
14	n	511	CLA	CMD-C2D	-2.00	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	c6	512	CLA	MG-NB	-2.00	2.01	2.05
14	b	517	CLA	MG-NB	-2.00	2.01	2.05
14	m	506	CLA	MG-NB	-2.00	2.01	2.05
20	b2	822	SQD	O2-C2	-2.00	1.38	1.43
20	Z	822	SQD	O2-C2	-2.00	1.38	1.43
14	aB	1023	CLA	CMB-C2B	-2.00	1.46	1.50
14	bB	1234	CLA	CMC-C2C	-2.00	1.46	1.50
14	cB	1214	CLA	CMC-C2C	-2.00	1.46	1.50
14	cB	1232	CLA	CMD-C2D	-2.00	1.46	1.50
14	c1	504	CLA	CMD-C2D	-2.00	1.46	1.50
14	S	518	CLA	CMB-C2B	-2.00	1.46	1.50
14	b	503	CLA	CMD-C2D	-2.00	1.46	1.50
14	c	501	CLA	CMB-C2B	-2.00	1.46	1.50
14	g	507	CLA	CMD-C2D	-2.00	1.46	1.50
14	bA	1137	CLA	MG-NB	-2.00	2.01	2.05
14	c2	508	CLA	MG-NB	-2.00	2.01	2.05
14	Y	508	CLA	MG-NB	-2.00	2.01	2.05
20	b1	822	SQD	O47-C45	-2.00	1.41	1.46
14	a2	512	CLA	CMB-C2B	-2.00	1.46	1.50
14	b2	517	CLA	CMB-C2B	-2.00	1.46	1.50
14	b5	502	CLA	CMC-C2C	-2.00	1.46	1.50
14	cB	1233	CLA	CMD-C2D	-2.00	1.46	1.50
14	c1	507	CLA	CMD-C2D	-2.00	1.46	1.50
14	V	519	CLA	CMD-C2D	-2.00	1.46	1.50
14	W	508	CLA	CMD-C2D	-2.00	1.46	1.50
14	i	518	CLA	CMB-C2B	-2.00	1.46	1.50
14	k	510	CLA	CMB-C2B	-2.00	1.46	1.50
14	m	516	CLA	CMB-C2B	-2.00	1.46	1.50
14	q	507	CLA	CMD-C2D	-2.00	1.46	1.50
14	q	517	CLA	CMD-C2D	-2.00	1.46	1.50
14	bA	1111	CLA	MG-NB	-2.00	2.01	2.05
14	cB	1218	CLA	MG-NB	-2.00	2.01	2.05
14	c5	503	CLA	MG-NB	-2.00	2.01	2.05
14	i	503	CLA	MG-NB	-2.00	2.01	2.05
14	n	502	CLA	MG-NB	-2.00	2.01	2.05
14	n	519	CLA	MG-NB	-2.00	2.01	2.05

All (9477) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
15	cB	2002	PQN	C11-C12-C13	-8.37	112.41	126.83
15	bB	2002	PQN	C11-C12-C13	-8.32	112.50	126.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
15	aB	2002	PQN	C11-C12-C13	-8.32	112.50	126.83
15	aA	2001	PQN	C11-C12-C13	-8.23	112.66	126.83
15	bA	2001	PQN	C11-C12-C13	-8.17	112.76	126.83
15	cA	2001	PQN	C11-C12-C13	-8.09	112.90	126.83
14	a6	519	CLA	C4A-NA-C1A	7.31	110.01	106.68
17	bF	4014	BCR	C24-C23-C22	-7.06	115.78	126.23
17	cF	4014	BCR	C24-C23-C22	-7.00	115.88	126.23
14	bB	1207	CLA	C4A-NA-C1A	7.00	109.87	106.68
14	c4	502	CLA	C4A-NA-C1A	6.96	109.85	106.68
17	aF	4014	BCR	C24-C23-C22	-6.93	115.98	126.23
14	Y	502	CLA	C4A-NA-C1A	6.93	109.84	106.68
14	o	502	CLA	C4A-NA-C1A	6.92	109.84	106.68
14	e	516	CLA	C4A-NA-C1A	6.87	109.81	106.68
14	a6	516	CLA	C4A-NA-C1A	6.87	109.81	106.68
14	X	502	CLA	C4A-NA-C1A	6.87	109.81	106.68
14	T	502	CLA	C4A-NA-C1A	6.87	109.81	106.68
14	c	516	CLA	C4A-NA-C1A	6.86	109.81	106.68
17	aF	4014	BCR	C20-C21-C22	-6.86	117.66	127.28
14	aB	1207	CLA	C4A-NA-C1A	6.85	109.81	106.68
14	c4	509	CLA	C4A-NA-C1A	6.85	109.81	106.68
14	a3	509	CLA	C4A-NA-C1A	6.85	109.80	106.68
14	a1	502	CLA	C4A-NA-C1A	6.84	109.80	106.68
14	k	502	CLA	C4A-NA-C1A	6.84	109.80	106.68
17	cM	4021	BCR	C20-C21-C22	-6.83	117.69	127.28
14	k	509	CLA	C4A-NA-C1A	6.83	109.80	106.68
14	a1	516	CLA	C4A-NA-C1A	6.83	109.79	106.68
14	V	502	CLA	C4A-NA-C1A	6.83	109.79	106.68
14	b3	517	CLA	C4A-NA-C1A	6.83	109.79	106.68
14	a3	502	CLA	C4A-NA-C1A	6.82	109.79	106.68
14	h	516	CLA	C4A-NA-C1A	6.82	109.79	106.68
14	a5	502	CLA	C4A-NA-C1A	6.82	109.79	106.68
14	b4	518	CLA	C4A-NA-C1A	6.82	109.79	106.68
14	l	517	CLA	C4A-NA-C1A	6.82	109.79	106.68
14	b2	502	CLA	C4A-NA-C1A	6.81	109.79	106.68
17	cF	4014	BCR	C20-C21-C22	-6.81	117.73	127.28
14	a6	502	CLA	C4A-NA-C1A	6.80	109.78	106.68
14	a3	517	CLA	C4A-NA-C1A	6.80	109.78	106.68
14	a1	517	CLA	C4A-NA-C1A	6.79	109.78	106.68
14	c5	518	CLA	C4A-NA-C1A	6.79	109.78	106.68
14	l	502	CLA	C4A-NA-C1A	6.79	109.78	106.68
14	i	502	CLA	C4A-NA-C1A	6.79	109.78	106.68
14	b1	502	CLA	C4A-NA-C1A	6.78	109.77	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	d	509	CLA	C4A-NA-C1A	6.78	109.77	106.68
14	cB	1219	CLA	C4A-NA-C1A	6.78	109.77	106.68
14	b	502	CLA	C4A-NA-C1A	6.78	109.77	106.68
14	b3	509	CLA	C4A-NA-C1A	6.77	109.77	106.68
14	e	502	CLA	C4A-NA-C1A	6.77	109.77	106.68
14	W	502	CLA	C4A-NA-C1A	6.77	109.77	106.68
17	aL	4022	BCR	C7-C8-C9	-6.77	116.22	126.23
14	b4	509	CLA	C4A-NA-C1A	6.76	109.76	106.68
14	a4	509	CLA	C4A-NA-C1A	6.76	109.76	106.68
14	cA	1103	CLA	C4A-NA-C1A	6.76	109.76	106.68
14	V	509	CLA	C4A-NA-C1A	6.76	109.76	106.68
14	b5	502	CLA	C4A-NA-C1A	6.76	109.76	106.68
14	h	502	CLA	C4A-NA-C1A	6.76	109.76	106.68
14	Z	509	CLA	C4A-NA-C1A	6.75	109.76	106.68
14	c	502	CLA	C4A-NA-C1A	6.75	109.76	106.68
14	b2	509	CLA	C4A-NA-C1A	6.75	109.76	106.68
14	a4	502	CLA	C4A-NA-C1A	6.75	109.76	106.68
14	cA	1120	CLA	C4A-NA-C1A	6.75	109.76	106.68
14	a1	504	CLA	C4A-NA-C1A	6.74	109.75	106.68
14	l	516	CLA	C4A-NA-C1A	6.74	109.75	106.68
14	aA	1137	CLA	C4A-NA-C1A	6.74	109.75	106.68
14	S	502	CLA	C4A-NA-C1A	6.74	109.75	106.68
14	c	509	CLA	C4A-NA-C1A	6.73	109.75	106.68
14	a4	518	CLA	C4A-NA-C1A	6.73	109.75	106.68
14	c3	509	CLA	C4A-NA-C1A	6.73	109.75	106.68
14	b3	502	CLA	C4A-NA-C1A	6.73	109.75	106.68
14	a	502	CLA	C4A-NA-C1A	6.73	109.75	106.68
14	c6	502	CLA	C4A-NA-C1A	6.72	109.75	106.68
14	q	502	CLA	C4A-NA-C1A	6.72	109.75	106.68
14	a2	509	CLA	C4A-NA-C1A	6.72	109.75	106.68
14	cB	1207	CLA	C4A-NA-C1A	6.72	109.75	106.68
14	a	503	CLA	C4A-NA-C1A	6.72	109.75	106.68
14	g	502	CLA	C4A-NA-C1A	6.72	109.75	106.68
14	o	516	CLA	C4A-NA-C1A	6.72	109.75	106.68
14	T	509	CLA	C4A-NA-C1A	6.72	109.74	106.68
14	cA	1115	CLA	C4A-NA-C1A	6.72	109.74	106.68
14	aB	1219	CLA	C4A-NA-C1A	6.71	109.74	106.68
14	c2	509	CLA	C4A-NA-C1A	6.71	109.74	106.68
14	c3	517	CLA	C4A-NA-C1A	6.71	109.74	106.68
14	f	509	CLA	C4A-NA-C1A	6.71	109.74	106.68
14	c1	503	CLA	C4A-NA-C1A	6.71	109.74	106.68
14	c3	502	CLA	C4A-NA-C1A	6.71	109.74	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	c5	502	CLA	C4A-NA-C1A	6.71	109.74	106.68
14	aB	1213	CLA	C4A-NA-C1A	6.71	109.74	106.68
14	cB	1218	CLA	C4A-NA-C1A	6.71	109.74	106.68
14	cA	1123	CLA	C4A-NA-C1A	6.71	109.74	106.68
14	d	502	CLA	C4A-NA-C1A	6.71	109.74	106.68
14	W	503	CLA	C4A-NA-C1A	6.70	109.74	106.68
14	aL	1501	CLA	C4A-NA-C1A	6.70	109.74	106.68
14	aB	1223	CLA	C4A-NA-C1A	6.70	109.73	106.68
14	b5	517	CLA	C4A-NA-C1A	6.70	109.73	106.68
14	h	509	CLA	C4A-NA-C1A	6.70	109.73	106.68
14	aB	1217	CLA	C4A-NA-C1A	6.69	109.73	106.68
14	S	509	CLA	C4A-NA-C1A	6.69	109.73	106.68
14	aA	1115	CLA	C4A-NA-C1A	6.69	109.73	106.68
14	c6	509	CLA	C4A-NA-C1A	6.69	109.73	106.68
14	c2	503	CLA	C4A-NA-C1A	6.69	109.73	106.68
14	T	503	CLA	C4A-NA-C1A	6.69	109.73	106.68
14	bA	1115	CLA	C4A-NA-C1A	6.68	109.73	106.68
14	b6	504	CLA	C4A-NA-C1A	6.68	109.73	106.68
14	n	502	CLA	C4A-NA-C1A	6.68	109.73	106.68
14	p	502	CLA	C4A-NA-C1A	6.68	109.73	106.68
14	aB	1218	CLA	C4A-NA-C1A	6.68	109.73	106.68
14	a4	503	CLA	C4A-NA-C1A	6.68	109.73	106.68
14	b5	504	CLA	C4A-NA-C1A	6.68	109.72	106.68
14	c5	504	CLA	C4A-NA-C1A	6.68	109.72	106.68
14	b6	509	CLA	C4A-NA-C1A	6.67	109.72	106.68
14	a	509	CLA	C4A-NA-C1A	6.67	109.72	106.68
14	l	509	CLA	C4A-NA-C1A	6.67	109.72	106.68
14	Y	504	CLA	C4A-NA-C1A	6.67	109.72	106.68
14	a5	509	CLA	C4A-NA-C1A	6.67	109.72	106.68
14	c1	502	CLA	C4A-NA-C1A	6.67	109.72	106.68
14	Z	504	CLA	C4A-NA-C1A	6.67	109.72	106.68
14	c1	509	CLA	C4A-NA-C1A	6.67	109.72	106.68
14	V	518	CLA	C4A-NA-C1A	6.67	109.72	106.68
14	Z	502	CLA	C4A-NA-C1A	6.67	109.72	106.68
17	cL	4022	BCR	C7-C8-C9	-6.67	116.37	126.23
14	p	516	CLA	C4A-NA-C1A	6.67	109.72	106.68
14	cA	1237	CLA	C4A-NA-C1A	6.66	109.72	106.68
14	Y	517	CLA	C4A-NA-C1A	6.66	109.72	106.68
14	i	503	CLA	C4A-NA-C1A	6.66	109.72	106.68
14	bB	1023	CLA	C4A-NA-C1A	6.66	109.72	106.68
14	j	507	CLA	C4A-NA-C1A	6.66	109.72	106.68
14	bA	1237	CLA	C4A-NA-C1A	6.66	109.72	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	bB	1219	CLA	C4A-NA-C1A	6.66	109.72	106.68
14	Z	503	CLA	C4A-NA-C1A	6.66	109.72	106.68
14	b3	503	CLA	C4A-NA-C1A	6.66	109.72	106.68
14	n	518	CLA	C4A-NA-C1A	6.66	109.72	106.68
14	aA	1107	CLA	C4A-NA-C1A	6.65	109.71	106.68
14	m	511	CLA	C4A-NA-C1A	6.65	109.71	106.68
14	b2	517	CLA	C4A-NA-C1A	6.65	109.71	106.68
14	T	510	CLA	C4A-NA-C1A	6.65	109.71	106.68
14	X	512	CLA	C4A-NA-C1A	6.65	109.71	106.68
14	j	503	CLA	C4A-NA-C1A	6.65	109.71	106.68
14	k	512	CLA	C4A-NA-C1A	6.65	109.71	106.68
14	b	509	CLA	C4A-NA-C1A	6.64	109.71	106.68
14	e	517	CLA	C4A-NA-C1A	6.64	109.71	106.68
14	V	504	CLA	C4A-NA-C1A	6.64	109.71	106.68
14	h	504	CLA	C4A-NA-C1A	6.64	109.71	106.68
14	aA	1123	CLA	C4A-NA-C1A	6.64	109.71	106.68
14	g	518	CLA	C4A-NA-C1A	6.64	109.71	106.68
14	b6	502	CLA	C4A-NA-C1A	6.63	109.71	106.68
14	q	506	CLA	C4A-NA-C1A	6.63	109.71	106.68
17	bF	4014	BCR	C20-C21-C22	-6.63	117.97	127.28
14	bA	1103	CLA	C4A-NA-C1A	6.63	109.70	106.68
14	k	503	CLA	C4A-NA-C1A	6.63	109.70	106.68
14	m	509	CLA	C4A-NA-C1A	6.63	109.70	106.68
14	aA	1135	CLA	C4A-NA-C1A	6.63	109.70	106.68
14	bA	1120	CLA	C4A-NA-C1A	6.63	109.70	106.68
14	cA	1134	CLA	C4A-NA-C1A	6.63	109.70	106.68
14	cL	1502	CLA	C4A-NA-C1A	6.63	109.70	106.68
14	h	501	CLA	C4A-NA-C1A	6.63	109.70	106.68
14	b3	516	CLA	C4A-NA-C1A	6.63	109.70	106.68
14	c1	504	CLA	C4A-NA-C1A	6.63	109.70	106.68
14	c4	518	CLA	C4A-NA-C1A	6.63	109.70	106.68
14	aB	1023	CLA	C4A-NA-C1A	6.63	109.70	106.68
14	c6	503	CLA	C4A-NA-C1A	6.63	109.70	106.68
14	f	503	CLA	C4A-NA-C1A	6.63	109.70	106.68
14	j	504	CLA	C4A-NA-C1A	6.63	109.70	106.68
14	j	518	CLA	C4A-NA-C1A	6.63	109.70	106.68
14	aA	1134	CLA	C4A-NA-C1A	6.62	109.70	106.68
14	c	503	CLA	C4A-NA-C1A	6.62	109.70	106.68
14	f	518	CLA	C4A-NA-C1A	6.62	109.70	106.68
14	b1	503	CLA	C4A-NA-C1A	6.62	109.70	106.68
14	c	512	CLA	C4A-NA-C1A	6.62	109.70	106.68
14	e	509	CLA	C4A-NA-C1A	6.62	109.70	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	j	509	CLA	C4A-NA-C1A	6.62	109.70	106.68
14	aA	1103	CLA	C4A-NA-C1A	6.62	109.70	106.68
14	U	503	CLA	C4A-NA-C1A	6.62	109.70	106.68
14	j	512	CLA	C4A-NA-C1A	6.62	109.70	106.68
14	bA	1125	CLA	C4A-NA-C1A	6.61	109.70	106.68
14	c6	504	CLA	C4A-NA-C1A	6.61	109.70	106.68
14	a2	503	CLA	C4A-NA-C1A	6.61	109.69	106.68
14	cB	1209	CLA	C4A-NA-C1A	6.61	109.69	106.68
14	X	503	CLA	C4A-NA-C1A	6.61	109.69	106.68
14	a	512	CLA	C4A-NA-C1A	6.61	109.69	106.68
14	l	503	CLA	C4A-NA-C1A	6.61	109.69	106.68
14	n	511	CLA	C4A-NA-C1A	6.61	109.69	106.68
14	bB	1217	CLA	C4A-NA-C1A	6.61	109.69	106.68
14	cL	1501	CLA	C4A-NA-C1A	6.61	109.69	106.68
14	e	507	CLA	C4A-NA-C1A	6.61	109.69	106.68
14	a2	511	CLA	C4A-NA-C1A	6.61	109.69	106.68
14	a5	503	CLA	C4A-NA-C1A	6.61	109.69	106.68
14	bB	1218	CLA	C4A-NA-C1A	6.61	109.69	106.68
14	U	509	CLA	C4A-NA-C1A	6.61	109.69	106.68
14	c	504	CLA	C4A-NA-C1A	6.61	109.69	106.68
14	bX	1401	CLA	C4A-NA-C1A	6.60	109.69	106.68
14	cB	1217	CLA	C4A-NA-C1A	6.60	109.69	106.68
14	cB	1223	CLA	C4A-NA-C1A	6.60	109.69	106.68
14	Y	511	CLA	C4A-NA-C1A	6.60	109.69	106.68
14	o	503	CLA	C4A-NA-C1A	6.60	109.69	106.68
14	a1	509	CLA	C4A-NA-C1A	6.60	109.69	106.68
14	bB	1213	CLA	C4A-NA-C1A	6.60	109.69	106.68
14	b4	502	CLA	C4A-NA-C1A	6.60	109.69	106.68
14	Y	503	CLA	C4A-NA-C1A	6.60	109.69	106.68
14	bB	1223	CLA	C4A-NA-C1A	6.60	109.69	106.68
14	b5	507	CLA	C4A-NA-C1A	6.60	109.69	106.68
14	S	516	CLA	C4A-NA-C1A	6.60	109.69	106.68
14	m	502	CLA	C4A-NA-C1A	6.60	109.69	106.68
17	bM	4021	BCR	C16-C17-C18	-6.60	118.03	127.28
14	aB	1209	CLA	C4A-NA-C1A	6.60	109.69	106.68
14	a2	510	CLA	C4A-NA-C1A	6.60	109.69	106.68
14	b	504	CLA	C4A-NA-C1A	6.59	109.69	106.68
14	a1	518	CLA	C4A-NA-C1A	6.59	109.69	106.68
14	bA	1112	CLA	C4A-NA-C1A	6.59	109.69	106.68
14	b1	509	CLA	C4A-NA-C1A	6.59	109.69	106.68
14	b2	519	CLA	C4A-NA-C1A	6.59	109.69	106.68
14	cA	1118	CLA	C4A-NA-C1A	6.59	109.69	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	X	509	CLA	C4A-NA-C1A	6.59	109.69	106.68
14	n	512	CLA	C4A-NA-C1A	6.59	109.69	106.68
14	a4	508	CLA	C4A-NA-C1A	6.59	109.69	106.68
14	U	504	CLA	C4A-NA-C1A	6.59	109.69	106.68
14	Y	516	CLA	C4A-NA-C1A	6.59	109.69	106.68
14	a6	509	CLA	C4A-NA-C1A	6.59	109.68	106.68
14	c1	506	CLA	C4A-NA-C1A	6.59	109.68	106.68
14	T	517	CLA	C4A-NA-C1A	6.59	109.68	106.68
14	W	517	CLA	C4A-NA-C1A	6.59	109.68	106.68
14	g	503	CLA	C4A-NA-C1A	6.59	109.68	106.68
14	aA	1120	CLA	C4A-NA-C1A	6.58	109.68	106.68
14	a4	516	CLA	C4A-NA-C1A	6.58	109.68	106.68
14	bA	1118	CLA	C4A-NA-C1A	6.58	109.68	106.68
14	U	518	CLA	C4A-NA-C1A	6.58	109.68	106.68
14	V	512	CLA	C4A-NA-C1A	6.58	109.68	106.68
14	cB	1023	CLA	C4A-NA-C1A	6.58	109.68	106.68
14	c2	504	CLA	C4A-NA-C1A	6.58	109.68	106.68
14	c5	511	CLA	C4A-NA-C1A	6.58	109.68	106.68
14	e	503	CLA	C4A-NA-C1A	6.58	109.68	106.68
14	j	502	CLA	C4A-NA-C1A	6.58	109.68	106.68
14	a1	519	CLA	C4A-NA-C1A	6.58	109.68	106.68
14	U	511	CLA	C4A-NA-C1A	6.58	109.68	106.68
14	V	503	CLA	C4A-NA-C1A	6.58	109.68	106.68
14	n	503	CLA	C4A-NA-C1A	6.58	109.68	106.68
14	p	503	CLA	C4A-NA-C1A	6.58	109.68	106.68
14	a2	502	CLA	C4A-NA-C1A	6.58	109.68	106.68
14	cA	1137	CLA	C4A-NA-C1A	6.58	109.68	106.68
14	W	519	CLA	C4A-NA-C1A	6.58	109.68	106.68
14	a6	504	CLA	C4A-NA-C1A	6.57	109.68	106.68
14	bA	1123	CLA	C4A-NA-C1A	6.57	109.68	106.68
14	b2	512	CLA	C4A-NA-C1A	6.57	109.68	106.68
14	g	509	CLA	C4A-NA-C1A	6.57	109.68	106.68
14	aA	1138	CLA	C4A-NA-C1A	6.57	109.68	106.68
14	X	517	CLA	C4A-NA-C1A	6.57	109.68	106.68
14	a3	516	CLA	C4A-NA-C1A	6.57	109.68	106.68
14	bA	1121	CLA	C4A-NA-C1A	6.57	109.68	106.68
14	cB	1239	CLA	C4A-NA-C1A	6.57	109.68	106.68
14	e	512	CLA	C4A-NA-C1A	6.57	109.68	106.68
14	n	509	CLA	C4A-NA-C1A	6.57	109.68	106.68
14	a3	507	CLA	C4A-NA-C1A	6.57	109.67	106.68
14	bA	1134	CLA	C4A-NA-C1A	6.57	109.67	106.68
14	q	503	CLA	C4A-NA-C1A	6.57	109.67	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	bB	1209	CLA	C4A-NA-C1A	6.56	109.67	106.68
14	cA	1122	CLA	C4A-NA-C1A	6.56	109.67	106.68
14	c5	509	CLA	C4A-NA-C1A	6.56	109.67	106.68
14	c	511	CLA	C4A-NA-C1A	6.56	109.67	106.68
14	c4	519	CLA	C4A-NA-C1A	6.56	109.67	106.68
14	X	504	CLA	C4A-NA-C1A	6.56	109.67	106.68
14	g	507	CLA	C4A-NA-C1A	6.56	109.67	106.68
14	m	518	CLA	C4A-NA-C1A	6.56	109.67	106.68
14	q	504	CLA	C4A-NA-C1A	6.56	109.67	106.68
14	a3	503	CLA	C4A-NA-C1A	6.56	109.67	106.68
14	a4	507	CLA	C4A-NA-C1A	6.56	109.67	106.68
14	cB	1205	CLA	C4A-NA-C1A	6.56	109.67	106.68
14	c3	507	CLA	C4A-NA-C1A	6.56	109.67	106.68
14	c5	517	CLA	C4A-NA-C1A	6.56	109.67	106.68
14	o	504	CLA	C4A-NA-C1A	6.56	109.67	106.68
14	a	506	CLA	C4A-NA-C1A	6.56	109.67	106.68
14	a5	504	CLA	C4A-NA-C1A	6.56	109.67	106.68
14	a5	517	CLA	C4A-NA-C1A	6.56	109.67	106.68
14	cB	1226	CLA	C4A-NA-C1A	6.56	109.67	106.68
14	cX	1401	CLA	C4A-NA-C1A	6.56	109.67	106.68
14	U	502	CLA	C4A-NA-C1A	6.56	109.67	106.68
14	g	504	CLA	C4A-NA-C1A	6.56	109.67	106.68
14	b5	509	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	p	519	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	a5	518	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	a6	507	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	bB	1210	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	bB	1212	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	cB	1214	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	c4	507	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	U	501	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	Y	501	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	b	517	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	i	504	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	q	512	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	bB	1239	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	c3	504	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	Y	509	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	l	507	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	aA	1237	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	aB	1239	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	a1	507	CLA	C4A-NA-C1A	6.55	109.67	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b5	513	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	S	517	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	o	518	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	bB	1227	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	b4	507	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	c	507	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	q	509	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	aA	1118	CLA	C4A-NA-C1A	6.54	109.66	106.68
14	bA	1137	CLA	C4A-NA-C1A	6.54	109.66	106.68
14	c5	512	CLA	C4A-NA-C1A	6.54	109.66	106.68
14	d	512	CLA	C4A-NA-C1A	6.54	109.66	106.68
14	b1	504	CLA	C4A-NA-C1A	6.54	109.66	106.68
14	a	513	CLA	C4A-NA-C1A	6.54	109.66	106.68
14	j	519	CLA	C4A-NA-C1A	6.54	109.66	106.68
14	a6	503	CLA	C4A-NA-C1A	6.54	109.66	106.68
14	b4	501	CLA	C4A-NA-C1A	6.54	109.66	106.68
14	j	508	CLA	C4A-NA-C1A	6.54	109.66	106.68
14	l	511	CLA	C4A-NA-C1A	6.54	109.66	106.68
14	a3	518	CLA	C4A-NA-C1A	6.54	109.66	106.68
14	b3	507	CLA	C4A-NA-C1A	6.54	109.66	106.68
14	q	518	CLA	C4A-NA-C1A	6.54	109.66	106.68
17	bM	4021	BCR	C20-C21-C22	-6.54	118.11	127.28
14	a1	512	CLA	C4A-NA-C1A	6.53	109.66	106.68
14	bA	1107	CLA	C4A-NA-C1A	6.53	109.66	106.68
14	bB	1233	CLA	C4A-NA-C1A	6.53	109.66	106.68
14	S	512	CLA	C4A-NA-C1A	6.53	109.66	106.68
14	U	517	CLA	C4A-NA-C1A	6.53	109.66	106.68
14	W	512	CLA	C4A-NA-C1A	6.53	109.66	106.68
14	f	502	CLA	C4A-NA-C1A	6.53	109.66	106.68
14	k	507	CLA	C4A-NA-C1A	6.53	109.66	106.68
14	aB	1212	CLA	C4A-NA-C1A	6.53	109.66	106.68
14	b2	503	CLA	C4A-NA-C1A	6.53	109.66	106.68
14	a	518	CLA	C4A-NA-C1A	6.53	109.66	106.68
14	bL	1501	CLA	C4A-NA-C1A	6.53	109.66	106.68
14	c4	504	CLA	C4A-NA-C1A	6.53	109.66	106.68
14	b	512	CLA	C4A-NA-C1A	6.53	109.66	106.68
14	cA	1111	CLA	C4A-NA-C1A	6.53	109.66	106.68
14	bA	1135	CLA	C4A-NA-C1A	6.53	109.66	106.68
14	Z	512	CLA	C4A-NA-C1A	6.53	109.66	106.68
14	b6	501	CLA	C4A-NA-C1A	6.52	109.66	106.68
14	b6	503	CLA	C4A-NA-C1A	6.52	109.66	106.68
14	cB	1216	CLA	C4A-NA-C1A	6.52	109.66	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a1	503	CLA	C4A-NA-C1A	6.52	109.65	106.68
14	a2	501	CLA	C4A-NA-C1A	6.52	109.65	106.68
14	cB	1213	CLA	C4A-NA-C1A	6.52	109.65	106.68
14	c1	518	CLA	C4A-NA-C1A	6.52	109.65	106.68
14	c5	503	CLA	C4A-NA-C1A	6.52	109.65	106.68
14	d	501	CLA	C4A-NA-C1A	6.52	109.65	106.68
14	m	517	CLA	C4A-NA-C1A	6.52	109.65	106.68
14	b5	503	CLA	C4A-NA-C1A	6.52	109.65	106.68
14	b5	518	CLA	C4A-NA-C1A	6.52	109.65	106.68
14	cB	1203	CLA	C4A-NA-C1A	6.52	109.65	106.68
14	c2	518	CLA	C4A-NA-C1A	6.52	109.65	106.68
14	c4	512	CLA	C4A-NA-C1A	6.52	109.65	106.68
14	l	501	CLA	C4A-NA-C1A	6.52	109.65	106.68
14	aA	1121	CLA	C4A-NA-C1A	6.52	109.65	106.68
14	a1	511	CLA	C4A-NA-C1A	6.52	109.65	106.68
14	bA	1111	CLA	C4A-NA-C1A	6.52	109.65	106.68
14	b1	507	CLA	C4A-NA-C1A	6.52	109.65	106.68
14	b2	504	CLA	C4A-NA-C1A	6.52	109.65	106.68
14	d	503	CLA	C4A-NA-C1A	6.52	109.65	106.68
14	j	510	CLA	C4A-NA-C1A	6.52	109.65	106.68
14	p	518	CLA	C4A-NA-C1A	6.52	109.65	106.68
14	a4	519	CLA	C4A-NA-C1A	6.51	109.65	106.68
14	bB	1216	CLA	C4A-NA-C1A	6.51	109.65	106.68
14	T	519	CLA	C4A-NA-C1A	6.51	109.65	106.68
14	c2	507	CLA	C4A-NA-C1A	6.51	109.65	106.68
14	S	504	CLA	C4A-NA-C1A	6.51	109.65	106.68
14	h	512	CLA	C4A-NA-C1A	6.51	109.65	106.68
14	aA	1125	CLA	C4A-NA-C1A	6.51	109.65	106.68
14	bA	1140	CLA	C4A-NA-C1A	6.51	109.65	106.68
14	b	510	CLA	C4A-NA-C1A	6.51	109.65	106.68
14	p	501	CLA	C4A-NA-C1A	6.51	109.65	106.68
14	a2	512	CLA	C4A-NA-C1A	6.51	109.65	106.68
14	cA	1107	CLA	C4A-NA-C1A	6.51	109.65	106.68
14	cB	1202	CLA	C4A-NA-C1A	6.51	109.65	106.68
14	c2	502	CLA	C4A-NA-C1A	6.51	109.65	106.68
14	S	503	CLA	C4A-NA-C1A	6.51	109.65	106.68
14	bJ	1302	CLA	C4A-NA-C1A	6.51	109.65	106.68
14	b4	510	CLA	C4A-NA-C1A	6.51	109.65	106.68
14	S	506	CLA	C4A-NA-C1A	6.51	109.65	106.68
14	X	507	CLA	C4A-NA-C1A	6.51	109.65	106.68
14	l	512	CLA	C4A-NA-C1A	6.51	109.65	106.68
14	m	503	CLA	C4A-NA-C1A	6.51	109.65	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	aL	1502	CLA	C4A-NA-C1A	6.50	109.65	106.68
14	a2	518	CLA	C4A-NA-C1A	6.50	109.65	106.68
14	cA	1135	CLA	C4A-NA-C1A	6.50	109.65	106.68
14	c1	517	CLA	C4A-NA-C1A	6.50	109.65	106.68
14	U	506	CLA	C4A-NA-C1A	6.50	109.65	106.68
14	f	508	CLA	C4A-NA-C1A	6.50	109.65	106.68
14	p	513	CLA	C4A-NA-C1A	6.50	109.65	106.68
14	b3	518	CLA	C4A-NA-C1A	6.50	109.64	106.68
14	c1	501	CLA	C4A-NA-C1A	6.50	109.64	106.68
14	c6	518	CLA	C4A-NA-C1A	6.50	109.64	106.68
14	S	519	CLA	C4A-NA-C1A	6.50	109.64	106.68
14	X	519	CLA	C4A-NA-C1A	6.50	109.64	106.68
14	Y	512	CLA	C4A-NA-C1A	6.50	109.64	106.68
14	c	518	CLA	C4A-NA-C1A	6.50	109.64	106.68
14	bJ	1303	CLA	C4A-NA-C1A	6.50	109.64	106.68
14	c5	507	CLA	C4A-NA-C1A	6.50	109.64	106.68
14	a	501	CLA	C4A-NA-C1A	6.50	109.64	106.68
14	f	511	CLA	C4A-NA-C1A	6.50	109.64	106.68
14	l	513	CLA	C4A-NA-C1A	6.50	109.64	106.68
14	n	519	CLA	C4A-NA-C1A	6.50	109.64	106.68
14	aB	1202	CLA	C4A-NA-C1A	6.49	109.64	106.68
14	b4	519	CLA	C4A-NA-C1A	6.49	109.64	106.68
14	W	509	CLA	C4A-NA-C1A	6.49	109.64	106.68
14	d	506	CLA	C4A-NA-C1A	6.49	109.64	106.68
14	h	503	CLA	C4A-NA-C1A	6.49	109.64	106.68
14	p	509	CLA	C4A-NA-C1A	6.49	109.64	106.68
14	b1	519	CLA	C4A-NA-C1A	6.49	109.64	106.68
14	b2	518	CLA	C4A-NA-C1A	6.49	109.64	106.68
14	c4	511	CLA	C4A-NA-C1A	6.49	109.64	106.68
14	Y	510	CLA	C4A-NA-C1A	6.49	109.64	106.68
14	b3	504	CLA	C4A-NA-C1A	6.49	109.64	106.68
14	Z	518	CLA	C4A-NA-C1A	6.49	109.64	106.68
14	b	503	CLA	C4A-NA-C1A	6.49	109.64	106.68
14	c	517	CLA	C4A-NA-C1A	6.49	109.64	106.68
14	i	509	CLA	C4A-NA-C1A	6.49	109.64	106.68
14	a4	501	CLA	C4A-NA-C1A	6.49	109.64	106.68
14	c4	503	CLA	C4A-NA-C1A	6.49	109.64	106.68
14	b3	512	CLA	C4A-NA-C1A	6.49	109.64	106.68
14	c1	505	CLA	C4A-NA-C1A	6.49	109.64	106.68
14	c	501	CLA	C4A-NA-C1A	6.49	109.64	106.68
14	n	507	CLA	C4A-NA-C1A	6.49	109.64	106.68
14	aB	1216	CLA	C4A-NA-C1A	6.48	109.64	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b1	511	CLA	C4A-NA-C1A	6.48	109.64	106.68
14	c3	503	CLA	C4A-NA-C1A	6.48	109.64	106.68
14	T	511	CLA	C4A-NA-C1A	6.48	109.64	106.68
14	e	510	CLA	C4A-NA-C1A	6.48	109.64	106.68
14	g	501	CLA	C4A-NA-C1A	6.48	109.64	106.68
17	cJ	4013	BCR	C16-C17-C18	-6.48	118.19	127.28
14	a2	519	CLA	C4A-NA-C1A	6.48	109.64	106.68
14	a3	519	CLA	C4A-NA-C1A	6.48	109.64	106.68
14	a6	517	CLA	C4A-NA-C1A	6.48	109.64	106.68
14	bB	1202	CLA	C4A-NA-C1A	6.48	109.64	106.68
14	b2	501	CLA	C4A-NA-C1A	6.48	109.64	106.68
14	c1	511	CLA	C4A-NA-C1A	6.48	109.64	106.68
14	o	512	CLA	C4A-NA-C1A	6.48	109.64	106.68
17	aA	4008	BCR	C24-C23-C22	-6.48	116.65	126.23
14	b1	518	CLA	C4A-NA-C1A	6.48	109.64	106.68
14	b2	506	CLA	C4A-NA-C1A	6.48	109.64	106.68
14	c3	518	CLA	C4A-NA-C1A	6.48	109.64	106.68
14	T	518	CLA	C4A-NA-C1A	6.48	109.64	106.68
14	b	519	CLA	C4A-NA-C1A	6.48	109.64	106.68
14	i	512	CLA	C4A-NA-C1A	6.48	109.64	106.68
14	aB	1236	CLA	C4A-NA-C1A	6.48	109.63	106.68
14	a3	504	CLA	C4A-NA-C1A	6.48	109.63	106.68
14	a5	512	CLA	C4A-NA-C1A	6.48	109.63	106.68
14	c1	510	CLA	C4A-NA-C1A	6.48	109.63	106.68
14	c1	519	CLA	C4A-NA-C1A	6.48	109.63	106.68
14	c2	512	CLA	C4A-NA-C1A	6.48	109.63	106.68
14	T	501	CLA	C4A-NA-C1A	6.48	109.63	106.68
14	X	518	CLA	C4A-NA-C1A	6.48	109.63	106.68
14	Z	517	CLA	C4A-NA-C1A	6.48	109.63	106.68
14	k	519	CLA	C4A-NA-C1A	6.48	109.63	106.68
14	o	509	CLA	C4A-NA-C1A	6.48	109.63	106.68
14	aA	1111	CLA	C4A-NA-C1A	6.47	109.63	106.68
14	aB	1214	CLA	C4A-NA-C1A	6.47	109.63	106.68
14	b1	517	CLA	C4A-NA-C1A	6.47	109.63	106.68
14	b3	511	CLA	C4A-NA-C1A	6.47	109.63	106.68
14	T	516	CLA	C4A-NA-C1A	6.47	109.63	106.68
14	W	501	CLA	C4A-NA-C1A	6.47	109.63	106.68
14	o	501	CLA	C4A-NA-C1A	6.47	109.63	106.68
14	q	517	CLA	C4A-NA-C1A	6.47	109.63	106.68
14	aJ	1303	CLA	C4A-NA-C1A	6.47	109.63	106.68
14	a2	517	CLA	C4A-NA-C1A	6.47	109.63	106.68
14	cA	1138	CLA	C4A-NA-C1A	6.47	109.63	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	c	506	CLA	C4A-NA-C1A	6.47	109.63	106.68
14	c6	501	CLA	C4A-NA-C1A	6.47	109.63	106.68
14	c6	517	CLA	C4A-NA-C1A	6.47	109.63	106.68
14	f	513	CLA	C4A-NA-C1A	6.47	109.63	106.68
14	k	518	CLA	C4A-NA-C1A	6.47	109.63	106.68
14	p	517	CLA	C4A-NA-C1A	6.47	109.63	106.68
14	aA	1122	CLA	C4A-NA-C1A	6.47	109.63	106.68
14	aB	1231	CLA	C4A-NA-C1A	6.47	109.63	106.68
14	b4	516	CLA	C4A-NA-C1A	6.47	109.63	106.68
14	W	506	CLA	C4A-NA-C1A	6.47	109.63	106.68
14	X	501	CLA	C4A-NA-C1A	6.47	109.63	106.68
14	b	501	CLA	C4A-NA-C1A	6.47	109.63	106.68
14	e	518	CLA	C4A-NA-C1A	6.47	109.63	106.68
14	f	510	CLA	C4A-NA-C1A	6.47	109.63	106.68
14	k	511	CLA	C4A-NA-C1A	6.47	109.63	106.68
17	bL	4022	BCR	C7-C8-C9	-6.47	116.67	126.23
14	Y	507	CLA	C4A-NA-C1A	6.47	109.63	106.68
14	o	506	CLA	C4A-NA-C1A	6.47	109.63	106.68
14	b1	512	CLA	C4A-NA-C1A	6.46	109.63	106.68
14	cB	1210	CLA	C4A-NA-C1A	6.46	109.63	106.68
14	c4	506	CLA	C4A-NA-C1A	6.46	109.63	106.68
14	b	518	CLA	C4A-NA-C1A	6.46	109.63	106.68
14	i	518	CLA	C4A-NA-C1A	6.46	109.63	106.68
14	aA	1112	CLA	C4A-NA-C1A	6.46	109.63	106.68
14	a5	519	CLA	C4A-NA-C1A	6.46	109.63	106.68
14	bK	1103	CLA	C4A-NA-C1A	6.46	109.63	106.68
14	b3	508	CLA	C4A-NA-C1A	6.46	109.63	106.68
14	b4	512	CLA	C4A-NA-C1A	6.46	109.63	106.68
14	b6	511	CLA	C4A-NA-C1A	6.46	109.63	106.68
14	c2	519	CLA	C4A-NA-C1A	6.46	109.63	106.68
14	aX	1401	CLA	C4A-NA-C1A	6.46	109.63	106.68
14	bB	1215	CLA	C4A-NA-C1A	6.46	109.63	106.68
14	cA	1125	CLA	C4A-NA-C1A	6.46	109.63	106.68
14	aB	1230	CLA	C4A-NA-C1A	6.46	109.62	106.68
14	b2	507	CLA	C4A-NA-C1A	6.46	109.62	106.68
14	c4	517	CLA	C4A-NA-C1A	6.46	109.62	106.68
14	T	504	CLA	C4A-NA-C1A	6.46	109.62	106.68
14	T	512	CLA	C4A-NA-C1A	6.46	109.62	106.68
14	Y	519	CLA	C4A-NA-C1A	6.46	109.62	106.68
14	c6	511	CLA	C4A-NA-C1A	6.46	109.62	106.68
14	d	511	CLA	C4A-NA-C1A	6.46	109.62	106.68
14	l	518	CLA	C4A-NA-C1A	6.46	109.62	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	n	504	CLA	C4A-NA-C1A	6.46	109.62	106.68
14	a2	507	CLA	C4A-NA-C1A	6.45	109.62	106.68
14	cB	1233	CLA	C4A-NA-C1A	6.45	109.62	106.68
14	c1	507	CLA	C4A-NA-C1A	6.45	109.62	106.68
14	V	510	CLA	C4A-NA-C1A	6.45	109.62	106.68
14	X	506	CLA	C4A-NA-C1A	6.45	109.62	106.68
14	b5	519	CLA	C4A-NA-C1A	6.45	109.62	106.68
14	cB	1234	CLA	C4A-NA-C1A	6.45	109.62	106.68
14	cJ	1302	CLA	C4A-NA-C1A	6.45	109.62	106.68
14	Z	511	CLA	C4A-NA-C1A	6.45	109.62	106.68
14	d	518	CLA	C4A-NA-C1A	6.45	109.62	106.68
14	h	518	CLA	C4A-NA-C1A	6.45	109.62	106.68
14	k	504	CLA	C4A-NA-C1A	6.45	109.62	106.68
14	l	504	CLA	C4A-NA-C1A	6.45	109.62	106.68
14	m	501	CLA	C4A-NA-C1A	6.45	109.62	106.68
17	bJ	4013	BCR	C16-C17-C18	-6.45	118.23	127.28
14	b6	516	CLA	C4A-NA-C1A	6.45	109.62	106.68
14	cB	1212	CLA	C4A-NA-C1A	6.45	109.62	106.68
14	c3	511	CLA	C4A-NA-C1A	6.45	109.62	106.68
14	W	510	CLA	C4A-NA-C1A	6.45	109.62	106.68
14	p	507	CLA	C4A-NA-C1A	6.45	109.62	106.68
14	a5	513	CLA	C4A-NA-C1A	6.44	109.62	106.68
14	bA	1122	CLA	C4A-NA-C1A	6.44	109.62	106.68
14	cK	1103	CLA	C4A-NA-C1A	6.44	109.62	106.68
14	c6	510	CLA	C4A-NA-C1A	6.44	109.62	106.68
14	a	517	CLA	C4A-NA-C1A	6.44	109.62	106.68
14	p	511	CLA	C4A-NA-C1A	6.44	109.62	106.68
14	aB	1215	CLA	C4A-NA-C1A	6.44	109.62	106.68
14	bA	1133	CLA	C4A-NA-C1A	6.44	109.62	106.68
14	bL	1502	CLA	C4A-NA-C1A	6.44	109.62	106.68
14	c1	516	CLA	C4A-NA-C1A	6.44	109.62	106.68
14	c3	506	CLA	C4A-NA-C1A	6.44	109.62	106.68
14	e	519	CLA	C4A-NA-C1A	6.44	109.62	106.68
14	bB	1214	CLA	C4A-NA-C1A	6.44	109.62	106.68
14	cB	1204	CLA	C4A-NA-C1A	6.44	109.62	106.68
14	U	510	CLA	C4A-NA-C1A	6.44	109.62	106.68
14	k	516	CLA	C4A-NA-C1A	6.44	109.62	106.68
14	q	501	CLA	C4A-NA-C1A	6.44	109.62	106.68
14	b2	511	CLA	C4A-NA-C1A	6.44	109.62	106.68
14	W	511	CLA	C4A-NA-C1A	6.44	109.62	106.68
14	bA	1126	CLA	C4A-NA-C1A	6.44	109.61	106.68
14	bB	1230	CLA	C4A-NA-C1A	6.44	109.61	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b3	519	CLA	C4A-NA-C1A	6.44	109.61	106.68
14	c2	516	CLA	C4A-NA-C1A	6.44	109.61	106.68
14	c2	517	CLA	C4A-NA-C1A	6.44	109.61	106.68
14	f	507	CLA	C4A-NA-C1A	6.44	109.61	106.68
14	q	510	CLA	C4A-NA-C1A	6.44	109.61	106.68
14	bA	1138	CLA	C4A-NA-C1A	6.43	109.61	106.68
14	cA	1106	CLA	C4A-NA-C1A	6.43	109.61	106.68
14	aA	1140	CLA	C4A-NA-C1A	6.43	109.61	106.68
14	aB	1233	CLA	C4A-NA-C1A	6.43	109.61	106.68
14	a1	501	CLA	C4A-NA-C1A	6.43	109.61	106.68
14	a6	501	CLA	C4A-NA-C1A	6.43	109.61	106.68
14	bA	1114	CLA	C4A-NA-C1A	6.43	109.61	106.68
14	cA	1101	CLA	C4A-NA-C1A	6.43	109.61	106.68
14	S	510	CLA	C4A-NA-C1A	6.43	109.61	106.68
14	i	501	CLA	C4A-NA-C1A	6.43	109.61	106.68
14	b3	513	CLA	C4A-NA-C1A	6.43	109.61	106.68
14	cA	1121	CLA	C4A-NA-C1A	6.43	109.61	106.68
14	c3	519	CLA	C4A-NA-C1A	6.43	109.61	106.68
14	bA	1116	CLA	C4A-NA-C1A	6.43	109.61	106.68
14	b4	503	CLA	C4A-NA-C1A	6.43	109.61	106.68
14	cB	1221	CLA	C4A-NA-C1A	6.43	109.61	106.68
14	T	506	CLA	C4A-NA-C1A	6.43	109.61	106.68
14	a	504	CLA	C4A-NA-C1A	6.43	109.61	106.68
14	m	507	CLA	C4A-NA-C1A	6.43	109.61	106.68
14	bA	1105	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	c5	510	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	c6	507	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	p	512	CLA	C4A-NA-C1A	6.42	109.61	106.68
17	cB	4017	BCR	C24-C23-C22	-6.42	116.73	126.23
14	bB	1206	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	b3	506	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	V	507	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	W	504	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	aB	1204	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	aB	1221	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	a6	511	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	bK	1401	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	c2	511	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	c3	501	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	c5	501	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	q	511	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	aB	1206	CLA	C4A-NA-C1A	6.42	109.61	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	aB	1238	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	a3	511	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	a5	501	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	Z	506	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	d	510	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	i	507	CLA	C4A-NA-C1A	6.42	109.61	106.68
17	cM	4021	BCR	C16-C17-C18	-6.42	118.28	127.28
14	aA	1130	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	aB	1203	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	aK	1401	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	a5	510	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	a5	516	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	a6	518	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	bA	1106	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	bA	1132	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	m	510	CLA	C4A-NA-C1A	6.42	109.61	106.68
14	aK	1103	CLA	C4A-NA-C1A	6.41	109.61	106.68
14	bB	1226	CLA	C4A-NA-C1A	6.41	109.61	106.68
14	b3	501	CLA	C4A-NA-C1A	6.41	109.61	106.68
14	cA	1110	CLA	C4A-NA-C1A	6.41	109.61	106.68
14	c	519	CLA	C4A-NA-C1A	6.41	109.61	106.68
14	g	508	CLA	C4A-NA-C1A	6.41	109.61	106.68
14	aA	1126	CLA	C4A-NA-C1A	6.41	109.60	106.68
14	cA	1140	CLA	C4A-NA-C1A	6.41	109.60	106.68
14	cJ	1303	CLA	C4A-NA-C1A	6.41	109.60	106.68
14	c6	513	CLA	C4A-NA-C1A	6.41	109.60	106.68
14	d	507	CLA	C4A-NA-C1A	6.41	109.60	106.68
14	p	506	CLA	C4A-NA-C1A	6.41	109.60	106.68
14	c4	501	CLA	C4A-NA-C1A	6.41	109.60	106.68
14	X	505	CLA	C4A-NA-C1A	6.41	109.60	106.68
14	i	510	CLA	C4A-NA-C1A	6.41	109.60	106.68
14	b6	507	CLA	C4A-NA-C1A	6.41	109.60	106.68
14	cK	1401	CLA	C4A-NA-C1A	6.41	109.60	106.68
14	c2	501	CLA	C4A-NA-C1A	6.41	109.60	106.68
14	c3	513	CLA	C4A-NA-C1A	6.41	109.60	106.68
14	S	508	CLA	C4A-NA-C1A	6.41	109.60	106.68
14	j	513	CLA	C4A-NA-C1A	6.41	109.60	106.68
14	cB	1227	CLA	C4A-NA-C1A	6.40	109.60	106.68
14	i	517	CLA	C4A-NA-C1A	6.40	109.60	106.68
14	m	512	CLA	C4A-NA-C1A	6.40	109.60	106.68
14	aB	1226	CLA	C4A-NA-C1A	6.40	109.60	106.68
14	a4	512	CLA	C4A-NA-C1A	6.40	109.60	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	W	518	CLA	C4A-NA-C1A	6.40	109.60	106.68
14	o	507	CLA	C4A-NA-C1A	6.40	109.60	106.68
14	aB	1201	CLA	C4A-NA-C1A	6.40	109.60	106.68
14	aB	1227	CLA	C4A-NA-C1A	6.40	109.60	106.68
14	b4	511	CLA	C4A-NA-C1A	6.40	109.60	106.68
14	X	510	CLA	C4A-NA-C1A	6.40	109.60	106.68
14	b	511	CLA	C4A-NA-C1A	6.40	109.60	106.68
14	h	511	CLA	C4A-NA-C1A	6.40	109.60	106.68
14	l	519	CLA	C4A-NA-C1A	6.40	109.60	106.68
14	p	505	CLA	C4A-NA-C1A	6.40	109.60	106.68
14	W	507	CLA	C4A-NA-C1A	6.40	109.60	106.68
14	k	506	CLA	C4A-NA-C1A	6.40	109.60	106.68
14	a3	501	CLA	C4A-NA-C1A	6.39	109.60	106.68
14	a3	512	CLA	C4A-NA-C1A	6.39	109.60	106.68
14	bB	1203	CLA	C4A-NA-C1A	6.39	109.60	106.68
14	cA	1112	CLA	C4A-NA-C1A	6.39	109.60	106.68
14	S	507	CLA	C4A-NA-C1A	6.39	109.60	106.68
14	a	508	CLA	C4A-NA-C1A	6.39	109.60	106.68
14	d	519	CLA	C4A-NA-C1A	6.39	109.60	106.68
14	aA	1105	CLA	C4A-NA-C1A	6.39	109.59	106.68
14	b1	508	CLA	C4A-NA-C1A	6.39	109.59	106.68
14	b5	510	CLA	C4A-NA-C1A	6.39	109.59	106.68
14	a2	508	CLA	C4A-NA-C1A	6.39	109.59	106.68
14	c4	513	CLA	C4A-NA-C1A	6.39	109.59	106.68
14	e	501	CLA	C4A-NA-C1A	6.39	109.59	106.68
14	aA	1104	CLA	C4A-NA-C1A	6.39	109.59	106.68
14	c6	508	CLA	C4A-NA-C1A	6.39	109.59	106.68
14	q	507	CLA	C4A-NA-C1A	6.39	109.59	106.68
14	cA	1104	CLA	C4A-NA-C1A	6.39	109.59	106.68
14	m	506	CLA	C4A-NA-C1A	6.39	109.59	106.68
14	b	506	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	d	513	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	aA	1119	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	aA	1011	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	b1	506	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	b5	501	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	c4	510	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	a	516	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	b	516	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	n	506	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	bB	1220	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	c2	513	CLA	C4A-NA-C1A	6.38	109.59	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	c5	513	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	V	501	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	Z	519	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	f	501	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	g	519	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	h	517	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	a2	516	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	cA	1105	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	T	507	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	V	511	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	a	519	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	e	511	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	j	506	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	aA	1114	CLA	C4A-NA-C1A	6.37	109.59	106.68
14	b2	510	CLA	C4A-NA-C1A	6.37	109.59	106.68
14	b6	506	CLA	C4A-NA-C1A	6.37	109.59	106.68
14	cA	1114	CLA	C4A-NA-C1A	6.37	109.59	106.68
14	X	511	CLA	C4A-NA-C1A	6.37	109.59	106.68
14	h	508	CLA	C4A-NA-C1A	6.37	109.59	106.68
14	k	510	CLA	C4A-NA-C1A	6.37	109.59	106.68
14	o	511	CLA	C4A-NA-C1A	6.37	109.59	106.68
17	aM	4021	BCR	C20-C21-C22	-6.37	118.34	127.28
14	aA	1131	CLA	C4A-NA-C1A	6.37	109.58	106.68
14	a4	511	CLA	C4A-NA-C1A	6.37	109.58	106.68
14	c1	512	CLA	C4A-NA-C1A	6.37	109.58	106.68
14	Y	518	CLA	C4A-NA-C1A	6.37	109.58	106.68
14	c	513	CLA	C4A-NA-C1A	6.37	109.58	106.68
14	d	504	CLA	C4A-NA-C1A	6.37	109.58	106.68
14	e	506	CLA	C4A-NA-C1A	6.37	109.58	106.68
14	a6	512	CLA	C4A-NA-C1A	6.37	109.58	106.68
14	cB	1206	CLA	C4A-NA-C1A	6.37	109.58	106.68
14	m	504	CLA	C4A-NA-C1A	6.37	109.58	106.68
14	c2	505	CLA	C4A-NA-C1A	6.37	109.58	106.68
14	i	516	CLA	C4A-NA-C1A	6.37	109.58	106.68
14	c2	508	CLA	C4A-NA-C1A	6.36	109.58	106.68
14	c6	506	CLA	C4A-NA-C1A	6.36	109.58	106.68
14	g	510	CLA	C4A-NA-C1A	6.36	109.58	106.68
14	bB	1204	CLA	C4A-NA-C1A	6.36	109.58	106.68
14	b2	505	CLA	C4A-NA-C1A	6.36	109.58	106.68
14	cB	1215	CLA	C4A-NA-C1A	6.36	109.58	106.68
14	c3	512	CLA	C4A-NA-C1A	6.36	109.58	106.68
14	g	512	CLA	C4A-NA-C1A	6.36	109.58	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	h	510	CLA	C4A-NA-C1A	6.36	109.58	106.68
14	i	505	CLA	C4A-NA-C1A	6.36	109.58	106.68
14	b1	510	CLA	C4A-NA-C1A	6.36	109.58	106.68
14	c3	510	CLA	C4A-NA-C1A	6.36	109.58	106.68
14	c5	506	CLA	C4A-NA-C1A	6.36	109.58	106.68
14	aA	1132	CLA	C4A-NA-C1A	6.36	109.58	106.68
14	a6	506	CLA	C4A-NA-C1A	6.36	109.58	106.68
14	bB	1234	CLA	C4A-NA-C1A	6.36	109.58	106.68
14	aB	1220	CLA	C4A-NA-C1A	6.35	109.58	106.68
14	b6	517	CLA	C4A-NA-C1A	6.35	109.58	106.68
14	Y	513	CLA	C4A-NA-C1A	6.35	109.58	106.68
14	q	519	CLA	C4A-NA-C1A	6.35	109.58	106.68
14	bB	1205	CLA	C4A-NA-C1A	6.35	109.58	106.68
14	b1	501	CLA	C4A-NA-C1A	6.35	109.58	106.68
14	b5	512	CLA	C4A-NA-C1A	6.35	109.58	106.68
14	k	501	CLA	C4A-NA-C1A	6.35	109.58	106.68
14	n	508	CLA	C4A-NA-C1A	6.35	109.58	106.68
14	a4	513	CLA	C4A-NA-C1A	6.35	109.58	106.68
14	e	508	CLA	C4A-NA-C1A	6.35	109.58	106.68
14	aA	1101	CLA	C4A-NA-C1A	6.35	109.58	106.68
14	aF	1301	CLA	C4A-NA-C1A	6.35	109.58	106.68
14	bB	1235	CLA	C4A-NA-C1A	6.35	109.58	106.68
14	l	506	CLA	C4A-NA-C1A	6.35	109.58	106.68
14	o	513	CLA	C4A-NA-C1A	6.35	109.58	106.68
14	bA	1101	CLA	C4A-NA-C1A	6.35	109.57	106.68
14	cB	1230	CLA	C4A-NA-C1A	6.35	109.57	106.68
14	n	513	CLA	C4A-NA-C1A	6.35	109.57	106.68
14	a6	508	CLA	C4A-NA-C1A	6.34	109.57	106.68
14	c5	516	CLA	C4A-NA-C1A	6.34	109.57	106.68
14	h	513	CLA	C4A-NA-C1A	6.34	109.57	106.68
14	h	519	CLA	C4A-NA-C1A	6.34	109.57	106.68
14	o	517	CLA	C4A-NA-C1A	6.34	109.57	106.68
14	a2	506	CLA	C4A-NA-C1A	6.34	109.57	106.68
14	bA	1130	CLA	C4A-NA-C1A	6.34	109.57	106.68
14	c3	505	CLA	C4A-NA-C1A	6.34	109.57	106.68
14	c	510	CLA	C4A-NA-C1A	6.34	109.57	106.68
14	a5	506	CLA	C4A-NA-C1A	6.34	109.57	106.68
14	bB	1221	CLA	C4A-NA-C1A	6.34	109.57	106.68
14	b4	517	CLA	C4A-NA-C1A	6.34	109.57	106.68
14	f	504	CLA	C4A-NA-C1A	6.34	109.57	106.68
14	g	513	CLA	C4A-NA-C1A	6.34	109.57	106.68
14	a6	505	CLA	C4A-NA-C1A	6.33	109.57	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	cB	1232	CLA	C4A-NA-C1A	6.33	109.57	106.68
14	c5	505	CLA	C4A-NA-C1A	6.33	109.57	106.68
14	U	519	CLA	C4A-NA-C1A	6.33	109.57	106.68
14	Z	501	CLA	C4A-NA-C1A	6.33	109.57	106.68
14	d	508	CLA	C4A-NA-C1A	6.33	109.57	106.68
14	f	505	CLA	C4A-NA-C1A	6.33	109.57	106.68
14	g	506	CLA	C4A-NA-C1A	6.33	109.57	106.68
14	p	510	CLA	C4A-NA-C1A	6.33	109.57	106.68
14	a1	510	CLA	C4A-NA-C1A	6.33	109.57	106.68
14	d	516	CLA	C4A-NA-C1A	6.33	109.57	106.68
14	i	508	CLA	C4A-NA-C1A	6.33	109.57	106.68
14	aA	1106	CLA	C4A-NA-C1A	6.33	109.57	106.68
14	a5	511	CLA	C4A-NA-C1A	6.33	109.57	106.68
14	cB	1225	CLA	C4A-NA-C1A	6.33	109.57	106.68
14	c6	505	CLA	C4A-NA-C1A	6.33	109.57	106.68
14	f	506	CLA	C4A-NA-C1A	6.33	109.57	106.68
14	f	512	CLA	C4A-NA-C1A	6.33	109.57	106.68
14	g	517	CLA	C4A-NA-C1A	6.33	109.57	106.68
14	a1	506	CLA	C4A-NA-C1A	6.33	109.57	106.68
14	bB	1201	CLA	C4A-NA-C1A	6.33	109.57	106.68
14	b4	506	CLA	C4A-NA-C1A	6.33	109.57	106.68
14	c5	519	CLA	C4A-NA-C1A	6.33	109.56	106.68
14	Y	506	CLA	C4A-NA-C1A	6.33	109.56	106.68
17	o	522	BCR	C15-C14-C13	-6.33	118.41	127.28
14	bL	1503	CLA	C4A-NA-C1A	6.32	109.56	106.68
14	b5	506	CLA	C4A-NA-C1A	6.32	109.56	106.68
14	S	511	CLA	C4A-NA-C1A	6.32	109.56	106.68
14	U	513	CLA	C4A-NA-C1A	6.32	109.56	106.68
14	n	501	CLA	C4A-NA-C1A	6.32	109.56	106.68
14	cA	1131	CLA	C4A-NA-C1A	6.32	109.56	106.68
14	bA	1104	CLA	C4A-NA-C1A	6.32	109.56	106.68
14	b4	508	CLA	C4A-NA-C1A	6.32	109.56	106.68
14	cB	1228	CLA	C4A-NA-C1A	6.32	109.56	106.68
14	S	518	CLA	C4A-NA-C1A	6.32	109.56	106.68
14	i	511	CLA	C4A-NA-C1A	6.32	109.56	106.68
14	q	508	CLA	C4A-NA-C1A	6.32	109.56	106.68
14	cB	1201	CLA	C4A-NA-C1A	6.32	109.56	106.68
14	c4	516	CLA	C4A-NA-C1A	6.32	109.56	106.68
14	V	506	CLA	C4A-NA-C1A	6.32	109.56	106.68
14	Z	507	CLA	C4A-NA-C1A	6.32	109.56	106.68
14	a	507	CLA	C4A-NA-C1A	6.32	109.56	106.68
14	i	519	CLA	C4A-NA-C1A	6.32	109.56	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a4	506	CLA	C4A-NA-C1A	6.31	109.56	106.68
14	b5	511	CLA	C4A-NA-C1A	6.31	109.56	106.68
14	cA	1133	CLA	C4A-NA-C1A	6.31	109.56	106.68
14	cB	1236	CLA	C4A-NA-C1A	6.31	109.56	106.68
14	b1	516	CLA	C4A-NA-C1A	6.31	109.56	106.68
14	cB	1238	CLA	C4A-NA-C1A	6.31	109.56	106.68
14	i	513	CLA	C4A-NA-C1A	6.31	109.56	106.68
17	aF	4014	BCR	C16-C17-C18	-6.31	118.42	127.28
14	a1	513	CLA	C4A-NA-C1A	6.31	109.56	106.68
14	a4	517	CLA	C4A-NA-C1A	6.31	109.56	106.68
14	a6	510	CLA	C4A-NA-C1A	6.31	109.56	106.68
14	b2	513	CLA	C4A-NA-C1A	6.31	109.56	106.68
14	b	508	CLA	C4A-NA-C1A	6.31	109.56	106.68
14	b	513	CLA	C4A-NA-C1A	6.31	109.56	106.68
14	j	517	CLA	C4A-NA-C1A	6.31	109.56	106.68
14	q	513	CLA	C4A-NA-C1A	6.31	109.56	106.68
14	aA	1116	CLA	C4A-NA-C1A	6.31	109.56	106.68
14	aB	1208	CLA	C4A-NA-C1A	6.31	109.56	106.68
14	a3	510	CLA	C4A-NA-C1A	6.31	109.56	106.68
14	bA	1131	CLA	C4A-NA-C1A	6.30	109.56	106.68
14	g	511	CLA	C4A-NA-C1A	6.30	109.55	106.68
14	aB	1232	CLA	C4A-NA-C1A	6.30	109.55	106.68
14	a1	508	CLA	C4A-NA-C1A	6.30	109.55	106.68
14	W	505	CLA	C4A-NA-C1A	6.30	109.55	106.68
14	bA	1110	CLA	C4A-NA-C1A	6.30	109.55	106.68
14	b1	513	CLA	C4A-NA-C1A	6.30	109.55	106.68
14	b6	512	CLA	C4A-NA-C1A	6.30	109.55	106.68
14	o	510	CLA	C4A-NA-C1A	6.30	109.55	106.68
17	aM	4021	BCR	C16-C17-C18	-6.30	118.45	127.28
14	j	511	CLA	C4A-NA-C1A	6.30	109.55	106.68
14	n	510	CLA	C4A-NA-C1A	6.29	109.55	106.68
14	m	508	CLA	C4A-NA-C1A	6.29	109.55	106.68
14	bA	1129	CLA	C4A-NA-C1A	6.29	109.55	106.68
14	cA	1119	CLA	C4A-NA-C1A	6.29	109.55	106.68
14	cB	1235	CLA	C4A-NA-C1A	6.29	109.55	106.68
14	c	505	CLA	C4A-NA-C1A	6.29	109.55	106.68
14	aA	1136	CLA	C4A-NA-C1A	6.29	109.55	106.68
14	bA	1119	CLA	C4A-NA-C1A	6.29	109.55	106.68
14	c4	505	CLA	C4A-NA-C1A	6.29	109.55	106.68
14	aB	1234	CLA	C4A-NA-C1A	6.28	109.55	106.68
14	b4	513	CLA	C4A-NA-C1A	6.28	109.55	106.68
14	f	517	CLA	C4A-NA-C1A	6.28	109.55	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	aA	1108	CLA	C4A-NA-C1A	6.28	109.55	106.68
14	bF	1301	CLA	C4A-NA-C1A	6.28	109.55	106.68
14	b5	505	CLA	C4A-NA-C1A	6.28	109.55	106.68
14	cB	1208	CLA	C4A-NA-C1A	6.28	109.55	106.68
14	Y	508	CLA	C4A-NA-C1A	6.28	109.55	106.68
14	cA	1132	CLA	C4A-NA-C1A	6.28	109.54	106.68
14	T	513	CLA	C4A-NA-C1A	6.28	109.54	106.68
14	Z	513	CLA	C4A-NA-C1A	6.28	109.54	106.68
14	bA	1801	CLA	C4A-NA-C1A	6.28	109.54	106.68
14	b	507	CLA	C4A-NA-C1A	6.28	109.54	106.68
14	h	505	CLA	C4A-NA-C1A	6.28	109.54	106.68
14	p	504	CLA	C4A-NA-C1A	6.28	109.54	106.68
14	p	508	CLA	C4A-NA-C1A	6.28	109.54	106.68
14	a3	505	CLA	C4A-NA-C1A	6.28	109.54	106.68
14	a5	507	CLA	C4A-NA-C1A	6.28	109.54	106.68
14	a5	508	CLA	C4A-NA-C1A	6.28	109.54	106.68
14	bB	1021	CLA	C4A-NA-C1A	6.28	109.54	106.68
14	cA	1116	CLA	C4A-NA-C1A	6.28	109.54	106.68
14	cA	1136	CLA	C4A-NA-C1A	6.28	109.54	106.68
14	Z	510	CLA	C4A-NA-C1A	6.28	109.54	106.68
14	h	506	CLA	C4A-NA-C1A	6.28	109.54	106.68
14	cA	1113	CLA	C4A-NA-C1A	6.27	109.54	106.68
14	c5	508	CLA	C4A-NA-C1A	6.27	109.54	106.68
14	b	505	CLA	C4A-NA-C1A	6.27	109.54	106.68
14	aA	1801	CLA	C4A-NA-C1A	6.27	109.54	106.68
14	T	508	CLA	C4A-NA-C1A	6.27	109.54	106.68
14	m	513	CLA	C4A-NA-C1A	6.27	109.54	106.68
14	cB	1211	CLA	C4A-NA-C1A	6.27	109.54	106.68
14	U	508	CLA	C4A-NA-C1A	6.27	109.54	106.68
14	f	519	CLA	C4A-NA-C1A	6.27	109.54	106.68
14	l	505	CLA	C4A-NA-C1A	6.27	109.54	106.68
14	aA	1110	CLA	C4A-NA-C1A	6.26	109.54	106.68
14	X	513	CLA	C4A-NA-C1A	6.26	109.54	106.68
14	d	517	CLA	C4A-NA-C1A	6.26	109.54	106.68
14	b6	508	CLA	C4A-NA-C1A	6.26	109.54	106.68
14	b6	513	CLA	C4A-NA-C1A	6.26	109.54	106.68
14	V	505	CLA	C4A-NA-C1A	6.26	109.54	106.68
14	bA	1013	CLA	C4A-NA-C1A	6.26	109.53	106.68
14	b2	508	CLA	C4A-NA-C1A	6.26	109.53	106.68
14	j	501	CLA	C4A-NA-C1A	6.26	109.53	106.68
14	bB	1236	CLA	C4A-NA-C1A	6.26	109.53	106.68
14	b3	510	CLA	C4A-NA-C1A	6.26	109.53	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	cA	1108	CLA	C4A-NA-C1A	6.26	109.53	106.68
14	W	513	CLA	C4A-NA-C1A	6.26	109.53	106.68
14	n	516	CLA	C4A-NA-C1A	6.26	109.53	106.68
14	a2	513	CLA	C4A-NA-C1A	6.26	109.53	106.68
14	bA	1109	CLA	C4A-NA-C1A	6.26	109.53	106.68
14	c6	519	CLA	C4A-NA-C1A	6.26	109.53	106.68
14	e	504	CLA	C4A-NA-C1A	6.26	109.53	106.68
14	aB	1205	CLA	C4A-NA-C1A	6.25	109.53	106.68
14	aB	1211	CLA	C4A-NA-C1A	6.25	109.53	106.68
14	cA	1109	CLA	C4A-NA-C1A	6.25	109.53	106.68
14	cA	1126	CLA	C4A-NA-C1A	6.25	109.53	106.68
14	k	505	CLA	C4A-NA-C1A	6.25	109.53	106.68
14	b6	505	CLA	C4A-NA-C1A	6.25	109.53	106.68
14	cA	1130	CLA	C4A-NA-C1A	6.25	109.53	106.68
14	c1	513	CLA	C4A-NA-C1A	6.25	109.53	106.68
14	aB	1210	CLA	C4A-NA-C1A	6.24	109.53	106.68
14	W	516	CLA	C4A-NA-C1A	6.24	109.53	106.68
14	bA	1117	CLA	C4A-NA-C1A	6.24	109.53	106.68
14	cA	1124	CLA	C4A-NA-C1A	6.24	109.53	106.68
14	a	510	CLA	C4A-NA-C1A	6.24	109.53	106.68
14	i	506	CLA	C4A-NA-C1A	6.24	109.53	106.68
14	l	510	CLA	C4A-NA-C1A	6.24	109.53	106.68
14	cB	1231	CLA	C4A-NA-C1A	6.24	109.53	106.68
14	X	508	CLA	C4A-NA-C1A	6.24	109.53	106.68
14	o	519	CLA	C4A-NA-C1A	6.24	109.53	106.68
14	c2	510	CLA	C4A-NA-C1A	6.24	109.53	106.68
14	c4	508	CLA	C4A-NA-C1A	6.24	109.53	106.68
14	b6	510	CLA	C4A-NA-C1A	6.24	109.52	106.68
14	cL	1503	CLA	C4A-NA-C1A	6.23	109.52	106.68
14	bB	1231	CLA	C4A-NA-C1A	6.23	109.52	106.68
14	cA	1129	CLA	C4A-NA-C1A	6.23	109.52	106.68
14	c3	508	CLA	C4A-NA-C1A	6.23	109.52	106.68
14	aB	1228	CLA	C4A-NA-C1A	6.23	109.52	106.68
14	a2	505	CLA	C4A-NA-C1A	6.23	109.52	106.68
14	bB	1232	CLA	C4A-NA-C1A	6.23	109.52	106.68
14	bA	1124	CLA	C4A-NA-C1A	6.23	109.52	106.68
14	bB	1224	CLA	C4A-NA-C1A	6.23	109.52	106.68
14	cA	1128	CLA	C4A-NA-C1A	6.23	109.52	106.68
14	T	505	CLA	C4A-NA-C1A	6.23	109.52	106.68
14	b6	518	CLA	C4A-NA-C1A	6.22	109.52	106.68
14	bA	1128	CLA	C4A-NA-C1A	6.22	109.52	106.68
14	bB	1228	CLA	C4A-NA-C1A	6.22	109.52	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	cB	1220	CLA	C4A-NA-C1A	6.22	109.52	106.68
14	bA	1108	CLA	C4A-NA-C1A	6.22	109.52	106.68
14	a3	513	CLA	C4A-NA-C1A	6.22	109.52	106.68
14	bB	1238	CLA	C4A-NA-C1A	6.22	109.52	106.68
14	aA	1133	CLA	C4A-NA-C1A	6.22	109.52	106.68
14	cA	1801	CLA	C4A-NA-C1A	6.22	109.52	106.68
14	c	508	CLA	C4A-NA-C1A	6.21	109.51	106.68
14	a1	505	CLA	C4A-NA-C1A	6.21	109.51	106.68
14	U	507	CLA	C4A-NA-C1A	6.21	109.51	106.68
14	c2	506	CLA	C4A-NA-C1A	6.21	109.51	106.68
14	b5	508	CLA	C4A-NA-C1A	6.21	109.51	106.68
14	c1	508	CLA	C4A-NA-C1A	6.21	109.51	106.68
14	j	505	CLA	C4A-NA-C1A	6.21	109.51	106.68
14	l	508	CLA	C4A-NA-C1A	6.21	109.51	106.68
14	aJ	1302	CLA	C4A-NA-C1A	6.21	109.51	106.68
14	Z	505	CLA	C4A-NA-C1A	6.21	109.51	106.68
14	a3	506	CLA	C4A-NA-C1A	6.20	109.51	106.68
14	b3	505	CLA	C4A-NA-C1A	6.20	109.51	106.68
14	c6	512	CLA	C4A-NA-C1A	6.20	109.51	106.68
14	W	508	CLA	C4A-NA-C1A	6.20	109.51	106.68
14	a	511	CLA	C4A-NA-C1A	6.20	109.51	106.68
14	aA	1117	CLA	C4A-NA-C1A	6.20	109.51	106.68
14	a3	508	CLA	C4A-NA-C1A	6.20	109.51	106.68
14	e	505	CLA	C4A-NA-C1A	6.20	109.51	106.68
14	X	516	CLA	C4A-NA-C1A	6.19	109.50	106.68
14	k	508	CLA	C4A-NA-C1A	6.19	109.50	106.68
14	b1	505	CLA	C4A-NA-C1A	6.19	109.50	106.68
14	c6	516	CLA	C4A-NA-C1A	6.19	109.50	106.68
14	aB	1021	CLA	C4A-NA-C1A	6.19	109.50	106.68
14	Z	516	CLA	C4A-NA-C1A	6.19	109.50	106.68
14	a2	504	CLA	C4A-NA-C1A	6.18	109.50	106.68
14	a5	505	CLA	C4A-NA-C1A	6.18	109.50	106.68
14	S	505	CLA	C4A-NA-C1A	6.18	109.50	106.68
14	k	513	CLA	C4A-NA-C1A	6.18	109.50	106.68
14	n	505	CLA	C4A-NA-C1A	6.18	109.50	106.68
14	aA	1129	CLA	C4A-NA-C1A	6.18	109.50	106.68
17	a4	521	BCR	C15-C14-C13	-6.18	118.61	127.28
14	aL	1503	CLA	C4A-NA-C1A	6.18	109.50	106.68
14	o	508	CLA	C4A-NA-C1A	6.18	109.50	106.68
14	bB	1225	CLA	C4A-NA-C1A	6.17	109.50	106.68
14	cB	1021	CLA	C4A-NA-C1A	6.17	109.50	106.68
17	W	523	BCR	C15-C14-C13	-6.17	118.62	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	aA	1109	CLA	C4A-NA-C1A	6.17	109.49	106.68
14	Z	508	CLA	C4A-NA-C1A	6.17	109.49	106.68
14	aA	1124	CLA	C4A-NA-C1A	6.16	109.49	106.68
14	aB	1235	CLA	C4A-NA-C1A	6.16	109.49	106.68
14	g	516	CLA	C4A-NA-C1A	6.16	109.49	106.68
14	a4	505	CLA	C4A-NA-C1A	6.16	109.49	106.68
14	bA	1136	CLA	C4A-NA-C1A	6.16	109.49	106.68
14	m	519	CLA	C4A-NA-C1A	6.16	109.49	106.68
17	d	522	BCR	C15-C14-C13	-6.16	118.64	127.28
17	bF	4014	BCR	C16-C17-C18	-6.16	118.64	127.28
14	b4	505	CLA	C4A-NA-C1A	6.15	109.49	106.68
14	q	505	CLA	C4A-NA-C1A	6.15	109.49	106.68
14	bB	1208	CLA	C4A-NA-C1A	6.15	109.49	106.68
14	e	513	CLA	C4A-NA-C1A	6.15	109.48	106.68
14	m	516	CLA	C4A-NA-C1A	6.15	109.48	106.68
14	bB	1211	CLA	C4A-NA-C1A	6.15	109.48	106.68
14	b5	516	CLA	C4A-NA-C1A	6.15	109.48	106.68
14	a6	513	CLA	C4A-NA-C1A	6.14	109.48	106.68
14	cB	1229	CLA	C4A-NA-C1A	6.14	109.48	106.68
14	aB	1224	CLA	C4A-NA-C1A	6.14	109.48	106.68
14	h	507	CLA	C4A-NA-C1A	6.14	109.48	106.68
14	Y	505	CLA	C4A-NA-C1A	6.13	109.48	106.68
14	b2	516	CLA	C4A-NA-C1A	6.13	109.48	106.68
14	U	505	CLA	C4A-NA-C1A	6.13	109.47	106.68
14	aA	1139	CLA	C4A-NA-C1A	6.12	109.47	106.68
14	a	505	CLA	C4A-NA-C1A	6.12	109.47	106.68
14	aA	1127	CLA	C4A-NA-C1A	6.11	109.47	106.68
14	aB	1225	CLA	C4A-NA-C1A	6.11	109.47	106.68
14	S	501	CLA	C4A-NA-C1A	6.11	109.47	106.68
14	S	513	CLA	C4A-NA-C1A	6.11	109.47	106.68
14	aA	1128	CLA	C4A-NA-C1A	6.11	109.47	106.68
14	aA	1013	CLA	C4A-NA-C1A	6.11	109.47	106.68
14	V	508	CLA	C4A-NA-C1A	6.11	109.47	106.68
14	cA	1011	CLA	C4A-NA-C1A	6.10	109.46	106.68
17	cB	4004	BCR	C16-C17-C18	-6.10	118.72	127.28
14	cA	1127	CLA	C4A-NA-C1A	6.10	109.46	106.68
14	bB	1229	CLA	C4A-NA-C1A	6.09	109.46	106.68
14	b6	519	CLA	C4A-NA-C1A	6.09	109.46	106.68
14	m	505	CLA	C4A-NA-C1A	6.09	109.46	106.68
14	aA	1113	CLA	C4A-NA-C1A	6.08	109.45	106.68
14	cA	1117	CLA	C4A-NA-C1A	6.08	109.45	106.68
14	bA	1113	CLA	C4A-NA-C1A	6.08	109.45	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	cA	1013	CLA	C4A-NA-C1A	6.08	109.45	106.68
14	g	505	CLA	C4A-NA-C1A	6.08	109.45	106.68
14	o	505	CLA	C4A-NA-C1A	6.08	109.45	106.68
14	j	516	CLA	C4A-NA-C1A	6.07	109.45	106.68
17	cF	4016	BCR	C15-C14-C13	-6.06	118.78	127.28
14	cB	1224	CLA	C4A-NA-C1A	6.06	109.44	106.68
17	V	522	BCR	C15-C14-C13	-6.06	118.78	127.28
17	bB	4004	BCR	C16-C17-C18	-6.05	118.79	127.28
14	cA	1139	CLA	C4A-NA-C1A	6.05	109.44	106.68
14	cF	1301	CLA	C4A-NA-C1A	6.04	109.44	106.68
14	k	517	CLA	C4A-NA-C1A	6.04	109.44	106.68
17	cF	4014	BCR	C16-C17-C18	-6.04	118.81	127.28
14	aB	1222	CLA	C4A-NA-C1A	6.04	109.43	106.68
14	bA	1127	CLA	C4A-NA-C1A	6.04	109.43	106.68
14	c3	516	CLA	C4A-NA-C1A	6.03	109.43	106.68
17	bB	4017	BCR	C24-C23-C22	-6.02	117.32	126.23
14	bA	1011	CLA	C4A-NA-C1A	6.01	109.42	106.68
17	aB	4017	BCR	C24-C23-C22	-6.01	117.34	126.23
14	f	516	CLA	C4A-NA-C1A	6.00	109.42	106.68
14	V	516	CLA	C4A-NA-C1A	6.00	109.42	106.68
14	cB	1222	CLA	C4A-NA-C1A	6.00	109.42	106.68
14	aB	1229	CLA	C4A-NA-C1A	5.99	109.41	106.68
14	V	519	CLA	C4A-NA-C1A	5.99	109.41	106.68
17	S	522	BCR	C15-C14-C13	-5.98	118.90	127.28
14	U	512	CLA	C4A-NA-C1A	5.97	109.40	106.68
14	d	505	CLA	C4A-NA-C1A	5.95	109.39	106.68
17	bA	4008	BCR	C24-C23-C22	-5.95	117.44	126.23
14	bB	1222	CLA	C4A-NA-C1A	5.94	109.39	106.68
14	bA	1139	CLA	C4A-NA-C1A	5.94	109.39	106.68
17	cM	4021	BCR	C24-C23-C22	-5.94	117.45	126.23
17	l	522	BCR	C11-C10-C9	-5.91	118.99	127.28
17	c	522	BCR	C15-C14-C13	-5.90	119.01	127.28
17	p	522	BCR	C15-C14-C13	-5.90	119.01	127.28
14	cA	1102	CLA	C4A-NA-C1A	5.90	109.37	106.68
17	a3	523	BCR	C15-C14-C13	-5.88	119.03	127.28
14	q	516	CLA	C4A-NA-C1A	5.88	109.36	106.68
17	aM	4021	BCR	C24-C23-C22	-5.88	117.54	126.23
17	b6	524	BCR	C11-C10-C9	-5.87	119.04	127.28
17	f	522	BCR	C15-C14-C13	-5.87	119.05	127.28
17	c5	522	BCR	C15-C14-C13	-5.86	119.06	127.28
17	a5	522	BCR	C15-C14-C13	-5.85	119.08	127.28
17	X	522	BCR	C15-C14-C13	-5.84	119.08	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	V	513	CLA	C4A-NA-C1A	5.84	109.34	106.68
17	aB	4004	BCR	C16-C17-C18	-5.83	119.10	127.28
14	aA	1102	CLA	C4A-NA-C1A	5.83	109.34	106.68
14	n	517	CLA	C4A-NA-C1A	5.83	109.34	106.68
17	j	524	BCR	C15-C14-C13	-5.83	119.11	127.28
17	bB	4004	BCR	C20-C21-C22	-5.82	119.12	127.28
14	bA	1102	CLA	C4A-NA-C1A	5.82	109.33	106.68
17	aA	4011	BCR	C7-C8-C9	-5.81	117.63	126.23
17	p	523	BCR	C15-C14-C13	-5.81	119.13	127.28
17	bM	4021	BCR	C24-C23-C22	-5.80	117.65	126.23
17	cA	4011	BCR	C7-C8-C9	-5.80	117.65	126.23
17	aA	4002	BCR	C16-C17-C18	-5.80	119.14	127.28
17	cI	4018	BCR	C15-C14-C13	-5.80	119.15	127.28
17	aA	4011	BCR	C20-C21-C22	-5.80	119.15	127.28
17	b6	521	BCR	C11-C10-C9	-5.79	119.16	127.28
14	U	516	CLA	C4A-NA-C1A	5.78	109.32	106.68
17	b	522	BCR	C15-C14-C13	-5.78	119.18	127.28
17	cB	4004	BCR	C20-C21-C22	-5.77	119.18	127.28
17	cA	4002	BCR	C16-C17-C18	-5.75	119.22	127.28
17	e	524	BCR	C11-C10-C9	-5.75	119.22	127.28
17	b2	522	BCR	C15-C14-C13	-5.74	119.22	127.28
17	l	522	BCR	C15-C14-C13	-5.74	119.22	127.28
17	b6	522	BCR	C15-C14-C13	-5.74	119.22	127.28
17	q	522	BCR	C15-C14-C13	-5.74	119.22	127.28
17	aJ	4013	BCR	C16-C17-C18	-5.74	119.23	127.28
17	bA	4002	BCR	C16-C17-C18	-5.74	119.23	127.28
17	f	521	BCR	C20-C21-C22	-5.73	119.24	127.28
14	a4	510	CLA	C4A-NA-C1A	5.73	109.29	106.68
17	aB	4004	BCR	C20-C21-C22	-5.73	119.24	127.28
17	bA	4011	BCR	C7-C8-C9	-5.73	117.76	126.23
17	d	522	BCR	C11-C10-C9	-5.73	119.25	127.28
17	d	524	BCR	C15-C14-C13	-5.72	119.25	127.28
17	cA	4008	BCR	C24-C23-C22	-5.72	117.78	126.23
14	cB	1012	CLA	C4A-NA-C1A	5.71	109.29	106.68
17	cJ	4013	BCR	C15-C14-C13	-5.71	119.27	127.28
17	b6	524	BCR	C15-C14-C13	-5.71	119.27	127.28
17	aA	4008	BCR	C20-C21-C22	-5.71	119.27	127.28
17	bA	4011	BCR	C20-C21-C22	-5.70	119.28	127.28
17	bI	4018	BCR	C15-C14-C13	-5.70	119.28	127.28
17	e	522	BCR	C15-C14-C13	-5.70	119.28	127.28
17	aF	4016	BCR	C15-C14-C13	-5.70	119.29	127.28
17	bB	4017	BCR	C16-C17-C18	-5.69	119.29	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	m	524	BCR	C15-C14-C13	-5.69	119.30	127.28
17	bJ	4013	BCR	C15-C14-C13	-5.69	119.30	127.28
14	a4	504	CLA	C4A-NA-C1A	5.65	109.26	106.68
17	cB	4017	BCR	C16-C17-C18	-5.65	119.36	127.28
17	c2	522	BCR	C15-C14-C13	-5.65	119.36	127.28
14	bB	1012	CLA	C4A-NA-C1A	5.64	109.25	106.68
17	n	521	BCR	C20-C21-C22	-5.64	119.37	127.28
17	l	522	BCR	C7-C8-C9	-5.64	117.90	126.23
17	n	522	BCR	C11-C10-C9	-5.64	119.38	127.28
17	f	521	BCR	C16-C17-C18	-5.63	119.38	127.28
17	i	522	BCR	C15-C14-C13	-5.61	119.41	127.28
17	bL	4022	BCR	C11-C10-C9	-5.61	119.41	127.28
17	Y	522	BCR	C15-C14-C13	-5.61	119.41	127.28
17	aL	4022	BCR	C11-C10-C9	-5.61	119.41	127.28
17	d	524	BCR	C11-C10-C9	-5.61	119.42	127.28
17	c	522	BCR	C11-C10-C9	-5.60	119.42	127.28
17	T	522	BCR	C15-C14-C13	-5.60	119.42	127.28
17	bA	4011	BCR	C16-C17-C18	-5.58	119.45	127.28
17	U	522	BCR	C11-C10-C9	-5.57	119.47	127.28
17	c5	524	BCR	C15-C14-C13	-5.57	119.47	127.28
17	cA	4011	BCR	C16-C17-C18	-5.57	119.47	127.28
14	aB	1012	CLA	C4A-NA-C1A	5.56	109.22	106.68
17	c4	523	BCR	C15-C14-C13	-5.56	119.48	127.28
17	j	522	BCR	C15-C14-C13	-5.56	119.48	127.28
17	c1	522	BCR	C15-C14-C13	-5.55	119.49	127.28
17	cK	4001	BCR	C11-C10-C9	-5.55	119.49	127.28
17	aI	4018	BCR	C15-C14-C13	-5.55	119.49	127.28
17	bA	4008	BCR	C20-C21-C22	-5.55	119.50	127.28
17	c6	521	BCR	C11-C10-C9	-5.55	119.50	127.28
17	m	521	BCR	C20-C21-C22	-5.53	119.53	127.28
17	c4	522	BCR	C15-C14-C13	-5.51	119.55	127.28
17	e	522	BCR	C11-C10-C9	-5.51	119.55	127.28
17	cL	4022	BCR	C11-C10-C9	-5.50	119.56	127.28
14	aA	1022	CLA	C4A-NA-C1A	5.50	109.19	106.68
17	bK	4001	BCR	C11-C10-C9	-5.50	119.57	127.28
17	p	521	BCR	C20-C21-C22	-5.50	119.57	127.28
17	cI	4019	BCR	C24-C23-C22	-5.50	118.10	126.23
17	aB	4009	BCR	C20-C21-C22	-5.50	119.57	127.28
17	j	522	BCR	C11-C10-C9	-5.49	119.57	127.28
17	aI	4019	BCR	C24-C23-C22	-5.49	118.11	126.23
17	bF	4016	BCR	C15-C14-C13	-5.49	119.58	127.28
14	bA	1022	CLA	C4A-NA-C1A	5.48	109.18	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	Z	522	BCR	C15-C14-C13	-5.48	119.59	127.28
17	l	521	BCR	C16-C17-C18	-5.48	119.59	127.28
17	T	524	BCR	C15-C14-C13	-5.48	119.60	127.28
14	cA	1022	CLA	C4A-NA-C1A	5.48	109.18	106.68
17	q	524	BCR	C15-C14-C13	-5.47	119.60	127.28
17	m	524	BCR	C11-C10-C9	-5.47	119.61	127.28
17	aB	4017	BCR	C16-C17-C18	-5.47	119.61	127.28
17	q	522	BCR	C11-C10-C9	-5.47	119.61	127.28
17	cA	4011	BCR	C20-C21-C22	-5.47	119.61	127.28
17	a	522	BCR	C11-C10-C9	-5.46	119.62	127.28
17	p	522	BCR	C11-C10-C9	-5.46	119.62	127.28
14	b4	504	CLA	C4A-NA-C1A	5.46	109.17	106.68
17	m	523	BCR	C15-C14-C13	-5.45	119.63	127.28
15	bA	2001	PQN	C14-C13-C12	-5.45	109.62	123.63
17	g	522	BCR	C15-C14-C13	-5.45	119.63	127.28
17	a	524	BCR	C15-C14-C13	-5.45	119.64	127.28
17	Z	522	BCR	C11-C10-C9	-5.44	119.65	127.28
15	cB	2002	PQN	C14-C13-C12	-5.44	109.67	123.63
15	aB	2002	PQN	C14-C13-C12	-5.43	109.67	123.63
17	b3	522	BCR	C15-C14-C13	-5.43	119.66	127.28
17	o	522	BCR	C11-C10-C9	-5.43	119.66	127.28
17	n	522	BCR	C15-C14-C13	-5.43	119.67	127.28
17	n	521	BCR	C16-C17-C18	-5.42	119.67	127.28
15	bB	2002	PQN	C14-C13-C12	-5.42	109.69	123.63
17	aB	4006	BCR	C24-C23-C22	-5.42	118.21	126.23
17	aK	4001	BCR	C11-C10-C9	-5.41	119.69	127.28
15	cA	2001	PQN	C14-C13-C12	-5.41	109.73	123.63
17	cB	4006	BCR	C24-C23-C22	-5.41	118.24	126.23
15	bB	2002	PQN	C15-C13-C12	-5.40	109.04	121.17
17	n	522	BCR	C7-C8-C9	-5.40	118.25	126.23
17	b3	524	BCR	C15-C14-C13	-5.40	119.71	127.28
15	aB	2002	PQN	C15-C13-C12	-5.39	109.06	121.17
17	g	524	BCR	C15-C14-C13	-5.39	119.72	127.28
17	a2	522	BCR	C15-C14-C13	-5.39	119.72	127.28
17	c4	522	BCR	C11-C10-C9	-5.38	119.73	127.28
17	bB	4006	BCR	C24-C23-C22	-5.38	118.27	126.23
17	o	524	BCR	C15-C14-C13	-5.38	119.73	127.28
15	aA	2001	PQN	C14-C13-C12	-5.38	109.82	123.63
17	cA	4008	BCR	C20-C21-C22	-5.38	119.74	127.28
17	W	522	BCR	C15-C14-C13	-5.37	119.74	127.28
17	g	522	BCR	C7-C8-C9	-5.37	118.29	126.23
17	a	522	BCR	C15-C14-C13	-5.37	119.75	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	bI	4018	BCR	C7-C8-C9	-5.37	118.30	126.23
17	b5	524	BCR	C15-C14-C13	-5.37	119.75	127.28
17	aA	4011	BCR	C16-C17-C18	-5.36	119.75	127.28
15	cB	2002	PQN	C15-C13-C12	-5.36	109.13	121.17
17	i	524	BCR	C16-C17-C18	-5.35	119.77	127.28
17	b2	522	BCR	C11-C10-C9	-5.35	119.77	127.28
17	l	524	BCR	C15-C14-C13	-5.35	119.77	127.28
17	i	524	BCR	C11-C10-C9	-5.35	119.77	127.28
17	e	521	BCR	C16-C17-C18	-5.35	119.78	127.28
17	S	524	BCR	C15-C14-C13	-5.35	119.78	127.28
17	c3	522	BCR	C15-C14-C13	-5.34	119.78	127.28
17	c1	522	BCR	C11-C10-C9	-5.34	119.78	127.28
17	U	522	BCR	C15-C14-C13	-5.34	119.79	127.28
17	V	524	BCR	C11-C10-C9	-5.34	119.79	127.28
17	c6	522	BCR	C15-C14-C13	-5.34	119.79	127.28
17	e	524	BCR	C15-C14-C13	-5.33	119.80	127.28
15	bA	2001	PQN	C15-C13-C12	-5.33	109.19	121.17
17	g	522	BCR	C11-C10-C9	-5.33	119.80	127.28
17	cF	4015	BCR	C15-C14-C13	-5.33	119.81	127.28
17	c	523	BCR	C15-C14-C13	-5.33	119.81	127.28
17	j	523	BCR	C15-C14-C13	-5.32	119.81	127.28
17	a6	521	BCR	C15-C14-C13	-5.32	119.81	127.28
17	Z	524	BCR	C15-C14-C13	-5.32	119.82	127.28
17	a4	522	BCR	C15-C14-C13	-5.31	119.83	127.28
17	q	522	BCR	C7-C8-C9	-5.29	118.40	126.23
17	b6	521	BCR	C15-C14-C13	-5.29	119.85	127.28
17	bI	4019	BCR	C24-C23-C22	-5.29	118.41	126.23
17	m	521	BCR	C16-C17-C18	-5.29	119.86	127.28
17	l	521	BCR	C20-C21-C22	-5.29	119.86	127.28
15	aA	2001	PQN	C15-C13-C12	-5.29	109.30	121.17
17	l	524	BCR	C11-C10-C9	-5.29	119.87	127.28
17	aB	4009	BCR	C24-C23-C22	-5.28	118.42	126.23
17	a1	522	BCR	C15-C14-C13	-5.28	119.87	127.28
17	j	524	BCR	C20-C21-C22	-5.28	119.88	127.28
17	bB	4006	BCR	C7-C8-C9	-5.28	118.43	126.23
15	cA	2001	PQN	C15-C13-C12	-5.27	109.33	121.17
17	cB	4006	BCR	C7-C8-C9	-5.27	118.43	126.23
17	i	521	BCR	C16-C17-C18	-5.27	119.89	127.28
17	b5	522	BCR	C11-C10-C9	-5.27	119.89	127.28
17	aI	4018	BCR	C7-C8-C9	-5.26	118.45	126.23
17	h	523	BCR	C15-C14-C13	-5.26	119.90	127.28
17	q	524	BCR	C11-C10-C9	-5.26	119.90	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	bF	4016	BCR	C11-C10-C9	-5.26	119.90	127.28
17	V	524	BCR	C15-C14-C13	-5.26	119.90	127.28
17	a3	524	BCR	C15-C14-C13	-5.26	119.91	127.28
17	c6	524	BCR	C15-C14-C13	-5.25	119.91	127.28
17	aB	4004	BCR	C24-C23-C22	-5.25	118.47	126.23
17	c1	524	BCR	C15-C14-C13	-5.24	119.93	127.28
17	a3	524	BCR	C11-C10-C9	-5.24	119.93	127.28
17	c	524	BCR	C11-C10-C9	-5.24	119.93	127.28
17	c1	521	BCR	C16-C17-C18	-5.24	119.93	127.28
17	l	522	BCR	C20-C21-C22	-5.24	119.93	127.28
17	c6	524	BCR	C11-C10-C9	-5.24	119.94	127.28
17	i	523	BCR	C15-C14-C13	-5.23	119.95	127.28
17	cB	4009	BCR	C20-C21-C22	-5.23	119.95	127.28
17	a2	524	BCR	C15-C14-C13	-5.23	119.95	127.28
17	aB	4006	BCR	C7-C8-C9	-5.22	118.51	126.23
17	h	522	BCR	C15-C14-C13	-5.22	119.95	127.28
17	j	521	BCR	C11-C10-C9	-5.22	119.96	127.28
17	aA	4003	BCR	C15-C14-C13	-5.21	119.97	127.28
17	b1	521	BCR	C15-C14-C13	-5.21	119.97	127.28
17	b3	524	BCR	C11-C10-C9	-5.21	119.97	127.28
17	b4	522	BCR	C15-C14-C13	-5.21	119.97	127.28
17	V	522	BCR	C11-C10-C9	-5.21	119.97	127.28
17	k	521	BCR	C15-C14-C13	-5.21	119.97	127.28
17	Y	524	BCR	C15-C14-C13	-5.21	119.98	127.28
17	d	523	BCR	C15-C14-C13	-5.21	119.98	127.28
17	bA	4007	BCR	C15-C14-C13	-5.20	119.98	127.28
17	j	524	BCR	C11-C10-C9	-5.20	119.99	127.28
17	aF	4015	BCR	C15-C14-C13	-5.19	120.00	127.28
17	bA	4003	BCR	C15-C14-C13	-5.19	120.00	127.28
17	b1	522	BCR	C15-C14-C13	-5.19	120.00	127.28
17	S	523	BCR	C16-C17-C18	-5.19	120.00	127.28
17	bF	4015	BCR	C15-C14-C13	-5.19	120.00	127.28
17	bB	4010	BCR	C15-C14-C13	-5.19	120.01	127.28
17	g	523	BCR	C15-C14-C13	-5.18	120.01	127.28
17	a6	524	BCR	C15-C14-C13	-5.18	120.02	127.28
17	aF	4016	BCR	C11-C10-C9	-5.17	120.03	127.28
17	aB	4010	BCR	C24-C23-C22	-5.17	118.59	126.23
17	a3	522	BCR	C15-C14-C13	-5.17	120.03	127.28
17	U	524	BCR	C11-C10-C9	-5.17	120.03	127.28
17	bB	4010	BCR	C24-C23-C22	-5.16	118.60	126.23
17	X	524	BCR	C15-C14-C13	-5.15	120.05	127.28
17	o	523	BCR	C15-C14-C13	-5.15	120.05	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	b5	522	BCR	C15-C14-C13	-5.15	120.06	127.28
17	Z	523	BCR	C15-C14-C13	-5.14	120.07	127.28
17	b1	524	BCR	C15-C14-C13	-5.13	120.08	127.28
17	b6	522	BCR	C11-C10-C9	-5.13	120.09	127.28
17	a4	523	BCR	C15-C14-C13	-5.12	120.09	127.28
17	a1	521	BCR	C15-C14-C13	-5.12	120.09	127.28
17	a	524	BCR	C11-C10-C9	-5.12	120.10	127.28
17	p	521	BCR	C16-C17-C18	-5.12	120.10	127.28
17	c2	523	BCR	C16-C17-C18	-5.11	120.11	127.28
17	b	523	BCR	C15-C14-C13	-5.11	120.11	127.28
17	bB	4004	BCR	C24-C23-C22	-5.11	118.67	126.23
17	Y	521	BCR	C15-C14-C13	-5.11	120.11	127.28
17	f	524	BCR	C15-C14-C13	-5.11	120.11	127.28
14	V	517	CLA	C4A-NA-C1A	5.10	109.01	106.68
17	d	522	BCR	C7-C8-C9	-5.10	118.68	126.23
17	c4	521	BCR	C16-C17-C18	-5.10	120.12	127.28
17	c2	524	BCR	C15-C14-C13	-5.10	120.12	127.28
17	T	523	BCR	C16-C17-C18	-5.10	120.13	127.28
17	c4	524	BCR	C15-C14-C13	-5.10	120.13	127.28
17	U	521	BCR	C16-C17-C18	-5.10	120.13	127.28
17	a2	521	BCR	C15-C14-C13	-5.10	120.13	127.28
17	aB	4010	BCR	C15-C14-C13	-5.09	120.14	127.28
17	a1	522	BCR	C11-C10-C9	-5.09	120.14	127.28
17	n	524	BCR	C15-C14-C13	-5.09	120.14	127.28
17	S	521	BCR	C20-C21-C22	-5.09	120.14	127.28
17	c6	521	BCR	C16-C17-C18	-5.09	120.14	127.28
17	e	523	BCR	C16-C17-C18	-5.09	120.14	127.28
17	c	524	BCR	C15-C14-C13	-5.08	120.15	127.28
17	c5	522	BCR	C11-C10-C9	-5.08	120.16	127.28
17	k	522	BCR	C15-C14-C13	-5.08	120.16	127.28
17	b5	521	BCR	C15-C14-C13	-5.08	120.16	127.28
17	U	524	BCR	C15-C14-C13	-5.08	120.16	127.28
17	aA	4008	BCR	C16-C17-C18	-5.08	120.16	127.28
17	bI	4020	BCR	C24-C23-C22	-5.07	118.73	126.23
17	c2	524	BCR	C11-C10-C9	-5.07	120.17	127.28
17	d	521	BCR	C15-C14-C13	-5.07	120.17	127.28
17	aI	4018	BCR	C11-C10-C9	-5.06	120.17	127.28
17	cA	4003	BCR	C15-C14-C13	-5.06	120.18	127.28
17	b5	521	BCR	C20-C21-C22	-5.06	120.18	127.28
17	h	524	BCR	C16-C17-C18	-5.06	120.18	127.28
17	aI	4020	BCR	C24-C23-C22	-5.06	118.75	126.23
17	c4	521	BCR	C11-C10-C9	-5.06	120.18	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	l	523	BCR	C15-C14-C13	-5.06	120.18	127.28
17	bI	4018	BCR	C24-C23-C22	-5.06	118.75	126.23
17	g	521	BCR	C16-C17-C18	-5.06	120.19	127.28
17	cI	4018	BCR	C24-C23-C22	-5.06	118.75	126.23
17	c2	521	BCR	C15-C14-C13	-5.05	120.19	127.28
17	cB	4010	BCR	C24-C23-C22	-5.05	118.77	126.23
17	aJ	4013	BCR	C38-C26-C25	-5.05	118.98	124.48
17	j	521	BCR	C15-C14-C13	-5.04	120.20	127.28
17	j	522	BCR	C7-C8-C9	-5.04	118.78	126.23
17	U	523	BCR	C16-C17-C18	-5.04	120.21	127.28
17	cI	4018	BCR	C11-C10-C9	-5.04	120.21	127.28
17	S	521	BCR	C16-C17-C18	-5.04	120.22	127.28
17	b2	524	BCR	C15-C14-C13	-5.03	120.22	127.28
17	bB	4009	BCR	C20-C21-C22	-5.03	120.22	127.28
17	a6	522	BCR	C15-C14-C13	-5.03	120.22	127.28
17	a3	523	BCR	C11-C10-C9	-5.03	120.23	127.28
17	b4	524	BCR	C16-C17-C18	-5.02	120.23	127.28
17	bA	4008	BCR	C16-C17-C18	-5.02	120.23	127.28
17	cA	4008	BCR	C16-C17-C18	-5.02	120.24	127.28
17	i	524	BCR	C15-C14-C13	-5.02	120.24	127.28
17	j	521	BCR	C16-C17-C18	-5.02	120.24	127.28
17	i	521	BCR	C20-C21-C22	-5.02	120.24	127.28
17	cB	4009	BCR	C24-C23-C22	-5.02	118.81	126.23
17	W	521	BCR	C15-C14-C13	-5.02	120.24	127.28
17	S	521	BCR	C11-C10-C9	-5.01	120.25	127.28
17	b4	522	BCR	C11-C10-C9	-5.01	120.25	127.28
17	c5	521	BCR	C15-C14-C13	-5.01	120.26	127.28
17	cB	4006	BCR	C15-C14-C13	-5.00	120.26	127.28
17	o	524	BCR	C11-C10-C9	-5.00	120.26	127.28
17	aJ	4013	BCR	C15-C14-C13	-5.00	120.26	127.28
17	W	524	BCR	C15-C14-C13	-5.00	120.26	127.28
17	b2	523	BCR	C15-C14-C13	-5.00	120.27	127.28
17	c3	522	BCR	C11-C10-C9	-5.00	120.27	127.28
17	b4	524	BCR	C11-C10-C9	-4.99	120.27	127.28
17	aB	4010	BCR	C11-C10-C9	-4.99	120.28	127.28
17	cB	4010	BCR	C15-C14-C13	-4.99	120.28	127.28
17	b5	523	BCR	C15-C14-C13	-4.99	120.28	127.28
17	cI	4020	BCR	C24-C23-C22	-4.99	118.86	126.23
17	bJ	4013	BCR	C38-C26-C25	-4.98	119.05	124.48
17	p	524	BCR	C15-C14-C13	-4.98	120.29	127.28
17	b3	523	BCR	C15-C14-C13	-4.98	120.30	127.28
17	o	521	BCR	C16-C17-C18	-4.98	120.30	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	cJ	4013	BCR	C38-C26-C25	-4.98	119.06	124.48
17	g	521	BCR	C15-C14-C13	-4.97	120.30	127.28
17	a4	524	BCR	C15-C14-C13	-4.97	120.30	127.28
17	i	521	BCR	C11-C10-C9	-4.97	120.31	127.28
17	k	521	BCR	C11-C10-C9	-4.97	120.31	127.28
17	b4	524	BCR	C15-C14-C13	-4.96	120.32	127.28
17	a1	524	BCR	C15-C14-C13	-4.96	120.32	127.28
17	e	522	BCR	C7-C8-C9	-4.96	118.90	126.23
17	l	521	BCR	C11-C10-C9	-4.95	120.33	127.28
17	Y	523	BCR	C15-C14-C13	-4.95	120.33	127.28
17	b5	524	BCR	C11-C10-C9	-4.95	120.33	127.28
17	a5	524	BCR	C15-C14-C13	-4.95	120.34	127.28
17	c1	523	BCR	C16-C17-C18	-4.95	120.34	127.28
17	e	521	BCR	C20-C21-C22	-4.94	120.34	127.28
17	p	524	BCR	C16-C17-C18	-4.94	120.34	127.28
17	h	521	BCR	C16-C17-C18	-4.94	120.34	127.28
17	T	524	BCR	C11-C10-C9	-4.94	120.35	127.28
17	bB	4006	BCR	C15-C14-C13	-4.94	120.36	127.28
17	b2	521	BCR	C15-C14-C13	-4.93	120.36	127.28
17	a6	521	BCR	C11-C10-C9	-4.93	120.36	127.28
17	o	521	BCR	C20-C21-C22	-4.93	120.36	127.28
17	p	524	BCR	C20-C21-C22	-4.93	120.36	127.28
17	p	522	BCR	C7-C8-C9	-4.92	118.95	126.23
17	b6	523	BCR	C15-C14-C13	-4.92	120.38	127.28
17	a1	521	BCR	C11-C10-C9	-4.92	120.38	127.28
17	b2	524	BCR	C11-C10-C9	-4.92	120.38	127.28
17	cI	4018	BCR	C7-C8-C9	-4.92	118.96	126.23
17	X	521	BCR	C15-C14-C13	-4.92	120.39	127.28
17	c3	523	BCR	C15-C14-C13	-4.91	120.39	127.28
17	b	524	BCR	C15-C14-C13	-4.91	120.39	127.28
17	bB	4010	BCR	C11-C10-C9	-4.91	120.39	127.28
17	f	522	BCR	C11-C10-C9	-4.91	120.39	127.28
17	i	524	BCR	C20-C21-C22	-4.91	120.40	127.28
17	c	521	BCR	C15-C14-C13	-4.91	120.40	127.28
17	b6	521	BCR	C7-C8-C9	-4.90	118.98	126.23
17	a	521	BCR	C15-C14-C13	-4.90	120.41	127.28
17	b3	522	BCR	C11-C10-C9	-4.90	120.41	127.28
17	g	523	BCR	C20-C21-C22	-4.90	120.41	127.28
17	e	524	BCR	C16-C17-C18	-4.89	120.42	127.28
17	b	521	BCR	C11-C10-C9	-4.89	120.42	127.28
17	cA	4007	BCR	C15-C14-C13	-4.89	120.43	127.28
17	b5	521	BCR	C11-C10-C9	-4.89	120.43	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	bA	4003	BCR	C7-C8-C9	-4.88	119.02	126.23
17	l	524	BCR	C16-C17-C18	-4.88	120.44	127.28
17	S	523	BCR	C20-C21-C22	-4.87	120.44	127.28
17	a5	521	BCR	C15-C14-C13	-4.87	120.45	127.28
17	cI	4019	BCR	C16-C17-C18	-4.87	120.45	127.28
17	c	524	BCR	C16-C17-C18	-4.87	120.45	127.28
17	a	522	BCR	C7-C8-C9	-4.87	119.04	126.23
17	a6	523	BCR	C16-C17-C18	-4.86	120.46	127.28
17	aB	4017	BCR	C20-C21-C22	-4.86	120.46	127.28
17	c2	522	BCR	C11-C10-C9	-4.86	120.46	127.28
17	cB	4004	BCR	C24-C23-C22	-4.85	119.06	126.23
17	cB	4017	BCR	C20-C21-C22	-4.85	120.48	127.28
17	b3	521	BCR	C15-C14-C13	-4.85	120.48	127.28
17	X	523	BCR	C15-C14-C13	-4.85	120.48	127.28
17	f	523	BCR	C15-C14-C13	-4.85	120.48	127.28
17	g	521	BCR	C20-C21-C22	-4.85	120.48	127.28
17	bI	4019	BCR	C16-C17-C18	-4.84	120.48	127.28
17	Z	521	BCR	C16-C17-C18	-4.84	120.48	127.28
17	b6	523	BCR	C16-C17-C18	-4.84	120.48	127.28
17	q	523	BCR	C15-C14-C13	-4.84	120.48	127.28
17	c5	521	BCR	C11-C10-C9	-4.84	120.49	127.28
17	k	522	BCR	C16-C17-C18	-4.84	120.49	127.28
17	c3	521	BCR	C15-C14-C13	-4.84	120.49	127.28
17	b	521	BCR	C15-C14-C13	-4.84	120.49	127.28
17	b2	522	BCR	C7-C8-C9	-4.84	119.08	126.23
17	b4	522	BCR	C7-C8-C9	-4.83	119.08	126.23
17	T	522	BCR	C11-C10-C9	-4.83	120.50	127.28
17	h	524	BCR	C15-C14-C13	-4.83	120.50	127.28
17	bB	4009	BCR	C15-C14-C13	-4.83	120.50	127.28
17	a1	524	BCR	C11-C10-C9	-4.83	120.50	127.28
17	V	523	BCR	C16-C17-C18	-4.83	120.51	127.28
17	a3	521	BCR	C15-C14-C13	-4.83	120.51	127.28
17	q	521	BCR	C16-C17-C18	-4.83	120.51	127.28
17	c6	523	BCR	C15-C14-C13	-4.83	120.51	127.28
17	n	521	BCR	C24-C23-C22	-4.82	119.10	126.23
17	c	521	BCR	C11-C10-C9	-4.82	120.52	127.28
17	m	522	BCR	C15-C14-C13	-4.82	120.52	127.28
17	cF	4016	BCR	C11-C10-C9	-4.82	120.52	127.28
17	c5	523	BCR	C15-C14-C13	-4.82	120.52	127.28
17	m	522	BCR	C7-C8-C9	-4.82	119.11	126.23
17	b3	521	BCR	C16-C17-C18	-4.81	120.53	127.28
17	T	521	BCR	C15-C14-C13	-4.81	120.53	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	c3	524	BCR	C15-C14-C13	-4.81	120.53	127.28
17	p	524	BCR	C11-C10-C9	-4.81	120.54	127.28
17	aI	4019	BCR	C16-C17-C18	-4.80	120.54	127.28
17	a	523	BCR	C16-C17-C18	-4.80	120.54	127.28
17	c1	521	BCR	C11-C10-C9	-4.80	120.55	127.28
17	V	521	BCR	C15-C14-C13	-4.80	120.55	127.28
17	c5	523	BCR	C16-C17-C18	-4.80	120.55	127.28
17	c	521	BCR	C7-C8-C9	-4.80	119.14	126.23
17	c6	523	BCR	C16-C17-C18	-4.79	120.55	127.28
17	aI	4018	BCR	C24-C23-C22	-4.79	119.14	126.23
17	k	524	BCR	C15-C14-C13	-4.79	120.56	127.28
17	a2	523	BCR	C15-C14-C13	-4.79	120.56	127.28
17	cF	4015	BCR	C11-C10-C9	-4.79	120.56	127.28
17	c1	524	BCR	C11-C10-C9	-4.79	120.57	127.28
17	b4	521	BCR	C11-C10-C9	-4.78	120.57	127.28
17	c1	521	BCR	C15-C14-C13	-4.78	120.57	127.28
17	g	521	BCR	C11-C10-C9	-4.78	120.58	127.28
17	p	521	BCR	C11-C10-C9	-4.77	120.59	127.28
17	b4	521	BCR	C15-C14-C13	-4.77	120.59	127.28
17	e	523	BCR	C15-C14-C13	-4.77	120.59	127.28
17	Z	524	BCR	C11-C10-C9	-4.77	120.59	127.28
17	bL	4022	BCR	C15-C14-C13	-4.77	120.59	127.28
17	cL	4022	BCR	C15-C14-C13	-4.76	120.60	127.28
17	bI	4018	BCR	C11-C10-C9	-4.76	120.61	127.28
17	S	524	BCR	C11-C10-C9	-4.75	120.61	127.28
17	k	522	BCR	C20-C21-C22	-4.75	120.61	127.28
17	n	524	BCR	C16-C17-C18	-4.75	120.61	127.28
17	aI	4019	BCR	C15-C14-C13	-4.75	120.61	127.28
17	aM	4021	BCR	C33-C5-C6	-4.75	119.30	124.48
17	bB	4017	BCR	C20-C21-C22	-4.75	120.61	127.28
17	S	523	BCR	C15-C14-C13	-4.75	120.61	127.28
17	bB	4005	BCR	C15-C14-C13	-4.75	120.61	127.28
17	U	521	BCR	C20-C21-C22	-4.75	120.62	127.28
17	c1	523	BCR	C15-C14-C13	-4.75	120.62	127.28
17	c3	524	BCR	C11-C10-C9	-4.75	120.62	127.28
17	S	521	BCR	C15-C14-C13	-4.74	120.62	127.28
17	i	521	BCR	C15-C14-C13	-4.74	120.63	127.28
17	c	522	BCR	C7-C8-C9	-4.74	119.22	126.23
17	c	521	BCR	C16-C17-C18	-4.73	120.64	127.28
17	cB	4010	BCR	C11-C10-C9	-4.73	120.64	127.28
17	a5	523	BCR	C15-C14-C13	-4.73	120.65	127.28
17	c6	521	BCR	C7-C8-C9	-4.73	119.24	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	Z	522	BCR	C7-C8-C9	-4.72	119.25	126.23
17	l	524	BCR	C20-C21-C22	-4.72	120.65	127.28
17	g	524	BCR	C11-C10-C9	-4.72	120.66	127.28
17	U	522	BCR	C7-C8-C9	-4.72	119.25	126.23
17	p	521	BCR	C24-C23-C22	-4.72	119.25	126.23
17	b4	523	BCR	C15-C14-C13	-4.72	120.66	127.28
17	b	521	BCR	C20-C21-C22	-4.72	120.66	127.28
17	W	521	BCR	C16-C17-C18	-4.72	120.66	127.28
17	cB	4009	BCR	C16-C17-C18	-4.72	120.66	127.28
17	cB	4005	BCR	C15-C14-C13	-4.72	120.66	127.28
17	b1	522	BCR	C11-C10-C9	-4.71	120.67	127.28
17	b6	521	BCR	C16-C17-C18	-4.71	120.67	127.28
17	b3	523	BCR	C16-C17-C18	-4.71	120.68	127.28
17	k	523	BCR	C15-C14-C13	-4.70	120.68	127.28
17	p	521	BCR	C15-C14-C13	-4.70	120.68	127.28
17	i	522	BCR	C7-C8-C9	-4.70	119.28	126.23
17	W	521	BCR	C20-C21-C22	-4.70	120.68	127.28
17	aB	4006	BCR	C15-C14-C13	-4.70	120.68	127.28
17	c4	522	BCR	C7-C8-C9	-4.70	119.28	126.23
17	n	523	BCR	C16-C17-C18	-4.70	120.69	127.28
17	c1	522	BCR	C7-C8-C9	-4.70	119.29	126.23
17	m	522	BCR	C11-C10-C9	-4.69	120.69	127.28
17	T	523	BCR	C20-C21-C22	-4.69	120.69	127.28
17	c5	524	BCR	C11-C10-C9	-4.69	120.70	127.28
17	aB	4009	BCR	C16-C17-C18	-4.69	120.70	127.28
17	U	522	BCR	C16-C17-C18	-4.69	120.70	127.28
17	bM	4021	BCR	C33-C5-C6	-4.69	119.37	124.48
17	T	524	BCR	C16-C17-C18	-4.69	120.70	127.28
17	X	522	BCR	C11-C10-C9	-4.69	120.70	127.28
17	aA	4003	BCR	C7-C8-C9	-4.69	119.30	126.23
17	a	521	BCR	C11-C10-C9	-4.68	120.71	127.28
17	n	521	BCR	C11-C10-C9	-4.68	120.71	127.28
17	c6	521	BCR	C20-C21-C22	-4.68	120.71	127.28
17	a3	524	BCR	C16-C17-C18	-4.68	120.71	127.28
17	bI	4019	BCR	C15-C14-C13	-4.68	120.72	127.28
17	m	521	BCR	C24-C23-C22	-4.68	119.32	126.23
17	i	522	BCR	C11-C10-C9	-4.68	120.72	127.28
17	aB	4005	BCR	C15-C14-C13	-4.68	120.72	127.28
17	c5	521	BCR	C16-C17-C18	-4.68	120.72	127.28
17	W	521	BCR	C11-C10-C9	-4.67	120.72	127.28
17	V	521	BCR	C16-C17-C18	-4.67	120.73	127.28
17	aJ	4012	BCR	C15-C14-C13	-4.67	120.73	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	e	523	BCR	C20-C21-C22	-4.66	120.74	127.28
17	n	524	BCR	C20-C21-C22	-4.66	120.74	127.28
17	cI	4019	BCR	C15-C14-C13	-4.66	120.74	127.28
17	S	522	BCR	C11-C10-C9	-4.66	120.75	127.28
17	n	524	BCR	C11-C10-C9	-4.66	120.75	127.28
17	n	522	BCR	C20-C21-C22	-4.66	120.75	127.28
17	e	521	BCR	C11-C10-C9	-4.65	120.75	127.28
17	c2	524	BCR	C16-C17-C18	-4.65	120.75	127.28
17	bB	4009	BCR	C16-C17-C18	-4.65	120.75	127.28
17	cJ	4012	BCR	C11-C10-C9	-4.65	120.75	127.28
17	Z	521	BCR	C15-C14-C13	-4.65	120.75	127.28
17	aA	4007	BCR	C15-C14-C13	-4.65	120.76	127.28
17	q	523	BCR	C16-C17-C18	-4.65	120.76	127.28
17	b1	521	BCR	C20-C21-C22	-4.65	120.76	127.28
17	c2	521	BCR	C7-C8-C9	-4.65	119.36	126.23
17	b4	523	BCR	C16-C17-C18	-4.64	120.77	127.28
17	cA	4007	BCR	C16-C17-C18	-4.64	120.77	127.28
17	k	524	BCR	C16-C17-C18	-4.64	120.77	127.28
17	V	521	BCR	C11-C10-C9	-4.64	120.77	127.28
17	m	524	BCR	C20-C21-C22	-4.64	120.77	127.28
17	b2	524	BCR	C16-C17-C18	-4.64	120.77	127.28
17	V	523	BCR	C15-C14-C13	-4.64	120.77	127.28
17	h	521	BCR	C11-C10-C9	-4.64	120.77	127.28
17	a	523	BCR	C15-C14-C13	-4.64	120.78	127.28
17	d	523	BCR	C7-C8-C9	-4.64	119.38	126.23
17	W	523	BCR	C11-C10-C9	-4.63	120.78	127.28
17	cF	4015	BCR	C3-C4-C5	-4.63	105.79	114.06
17	b3	524	BCR	C16-C17-C18	-4.63	120.78	127.28
17	n	523	BCR	C24-C23-C22	-4.63	119.38	126.23
17	c3	523	BCR	C16-C17-C18	-4.63	120.78	127.28
17	V	524	BCR	C16-C17-C18	-4.63	120.78	127.28
17	Y	521	BCR	C20-C21-C22	-4.63	120.78	127.28
17	a4	522	BCR	C11-C10-C9	-4.63	120.79	127.28
17	a4	521	BCR	C20-C21-C22	-4.63	120.79	127.28
17	a5	521	BCR	C20-C21-C22	-4.63	120.79	127.28
17	c3	522	BCR	C7-C8-C9	-4.63	119.39	126.23
17	a5	521	BCR	C16-C17-C18	-4.63	120.79	127.28
17	a5	524	BCR	C16-C17-C18	-4.62	120.79	127.28
17	a4	521	BCR	C11-C10-C9	-4.62	120.80	127.28
17	b2	521	BCR	C20-C21-C22	-4.62	120.80	127.28
17	a1	522	BCR	C7-C8-C9	-4.62	119.40	126.23
17	c	521	BCR	C20-C21-C22	-4.62	120.80	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	Z	521	BCR	C20-C21-C22	-4.62	120.81	127.28
17	aA	4003	BCR	C11-C10-C9	-4.61	120.81	127.28
17	Z	523	BCR	C16-C17-C18	-4.61	120.81	127.28
17	o	524	BCR	C20-C21-C22	-4.61	120.82	127.28
17	m	521	BCR	C15-C14-C13	-4.61	120.82	127.28
17	c6	521	BCR	C15-C14-C13	-4.61	120.82	127.28
17	k	522	BCR	C11-C10-C9	-4.60	120.82	127.28
17	d	521	BCR	C16-C17-C18	-4.60	120.83	127.28
17	c4	523	BCR	C11-C10-C9	-4.59	120.83	127.28
17	a2	522	BCR	C11-C10-C9	-4.59	120.84	127.28
17	a5	523	BCR	C16-C17-C18	-4.59	120.84	127.28
17	f	521	BCR	C11-C10-C9	-4.59	120.84	127.28
17	a	522	BCR	C16-C17-C18	-4.59	120.84	127.28
17	T	523	BCR	C15-C14-C13	-4.59	120.85	127.28
17	a	521	BCR	C16-C17-C18	-4.58	120.85	127.28
17	cM	4021	BCR	C33-C5-C6	-4.58	119.48	124.48
17	g	523	BCR	C16-C17-C18	-4.58	120.85	127.28
17	bF	4015	BCR	C3-C4-C5	-4.58	105.89	114.06
17	h	523	BCR	C16-C17-C18	-4.57	120.86	127.28
17	n	523	BCR	C15-C14-C13	-4.57	120.86	127.28
17	aB	4009	BCR	C15-C14-C13	-4.57	120.86	127.28
17	W	522	BCR	C11-C10-C9	-4.57	120.86	127.28
17	b2	521	BCR	C16-C17-C18	-4.57	120.87	127.28
17	bB	4017	BCR	C33-C5-C6	-4.57	119.50	124.48
17	c5	521	BCR	C20-C21-C22	-4.57	120.87	127.28
17	b1	521	BCR	C11-C10-C9	-4.57	120.88	127.28
17	U	524	BCR	C16-C17-C18	-4.56	120.88	127.28
17	m	524	BCR	C16-C17-C18	-4.56	120.88	127.28
17	cB	4017	BCR	C33-C5-C6	-4.56	119.51	124.48
17	o	521	BCR	C15-C14-C13	-4.56	120.88	127.28
17	cA	4007	BCR	C11-C10-C9	-4.56	120.88	127.28
17	b5	521	BCR	C16-C17-C18	-4.56	120.89	127.28
17	bI	4020	BCR	C15-C14-C13	-4.56	120.89	127.28
17	X	521	BCR	C16-C17-C18	-4.55	120.89	127.28
17	l	522	BCR	C24-C23-C22	-4.55	119.50	126.23
17	T	521	BCR	C16-C17-C18	-4.55	120.89	127.28
17	l	522	BCR	C16-C17-C18	-4.55	120.89	127.28
17	a1	521	BCR	C16-C17-C18	-4.55	120.89	127.28
17	U	523	BCR	C15-C14-C13	-4.55	120.89	127.28
17	l	521	BCR	C15-C14-C13	-4.55	120.90	127.28
17	o	524	BCR	C16-C17-C18	-4.55	120.90	127.28
17	a6	521	BCR	C7-C8-C9	-4.55	119.51	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	h	522	BCR	C11-C10-C9	-4.55	120.90	127.28
17	bF	4015	BCR	C11-C10-C9	-4.54	120.91	127.28
17	U	522	BCR	C20-C21-C22	-4.54	120.91	127.28
17	a1	523	BCR	C16-C17-C18	-4.54	120.91	127.28
17	e	522	BCR	C20-C21-C22	-4.54	120.91	127.28
17	cA	4003	BCR	C11-C10-C9	-4.54	120.91	127.28
17	bJ	4012	BCR	C11-C10-C9	-4.54	120.91	127.28
17	S	521	BCR	C7-C8-C9	-4.54	119.52	126.23
17	b5	521	BCR	C24-C23-C22	-4.53	119.53	126.23
17	d	524	BCR	C20-C21-C22	-4.53	120.93	127.28
17	aA	4007	BCR	C33-C5-C6	-4.53	119.54	124.48
17	aB	4017	BCR	C33-C5-C6	-4.53	119.54	124.48
17	a5	521	BCR	C11-C10-C9	-4.53	120.93	127.28
17	d	524	BCR	C16-C17-C18	-4.53	120.93	127.28
17	d	523	BCR	C11-C10-C9	-4.53	120.93	127.28
17	b	521	BCR	C16-C17-C18	-4.52	120.93	127.28
17	c4	521	BCR	C7-C8-C9	-4.52	119.55	126.23
17	a1	521	BCR	C20-C21-C22	-4.52	120.94	127.28
17	V	521	BCR	C7-C8-C9	-4.52	119.55	126.23
17	cA	4007	BCR	C33-C5-C6	-4.52	119.55	124.48
17	f	524	BCR	C16-C17-C18	-4.52	120.94	127.28
17	T	521	BCR	C11-C10-C9	-4.52	120.94	127.28
17	bA	4008	BCR	C15-C14-C13	-4.52	120.94	127.28
17	n	522	BCR	C16-C17-C18	-4.52	120.94	127.28
17	cI	4020	BCR	C15-C14-C13	-4.51	120.95	127.28
17	b5	522	BCR	C16-C17-C18	-4.51	120.95	127.28
17	aJ	4012	BCR	C11-C10-C9	-4.51	120.95	127.28
17	q	521	BCR	C20-C21-C22	-4.51	120.96	127.28
17	f	521	BCR	C24-C23-C22	-4.51	119.57	126.23
17	a3	522	BCR	C11-C10-C9	-4.51	120.96	127.28
17	aF	4015	BCR	C11-C10-C9	-4.50	120.96	127.28
17	c1	521	BCR	C20-C21-C22	-4.50	120.96	127.28
18	aX	4021	LHG	O4-P-O5	4.50	133.39	112.44
17	c2	521	BCR	C11-C10-C9	-4.50	120.97	127.28
17	k	521	BCR	C16-C17-C18	-4.50	120.97	127.28
17	bA	4007	BCR	C16-C17-C18	-4.50	120.97	127.28
18	bX	4021	LHG	O4-P-O5	4.50	133.37	112.44
17	cI	4019	BCR	C20-C21-C22	-4.50	120.97	127.28
17	e	521	BCR	C15-C14-C13	-4.49	120.98	127.28
17	f	524	BCR	C20-C21-C22	-4.49	120.98	127.28
17	a1	524	BCR	C16-C17-C18	-4.49	120.98	127.28
17	b3	522	BCR	C7-C8-C9	-4.49	119.59	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	c6	524	BCR	C16-C17-C18	-4.49	120.98	127.28
17	c4	524	BCR	C16-C17-C18	-4.48	120.99	127.28
17	bA	4003	BCR	C11-C10-C9	-4.48	120.99	127.28
17	m	521	BCR	C11-C10-C9	-4.48	120.99	127.28
17	b	524	BCR	C16-C17-C18	-4.48	121.00	127.28
17	j	521	BCR	C20-C21-C22	-4.48	121.00	127.28
17	l	521	BCR	C7-C8-C9	-4.48	119.61	126.23
17	bA	4011	BCR	C24-C23-C22	-4.48	119.61	126.23
17	o	521	BCR	C11-C10-C9	-4.48	121.00	127.28
17	aF	4015	BCR	C3-C4-C5	-4.48	106.07	114.06
17	aA	4007	BCR	C16-C17-C18	-4.48	121.00	127.28
18	cX	4021	LHG	O4-P-O5	4.48	133.28	112.44
17	a6	522	BCR	C11-C10-C9	-4.48	121.00	127.28
17	c5	524	BCR	C16-C17-C18	-4.48	121.00	127.28
17	n	521	BCR	C15-C14-C13	-4.48	121.00	127.28
17	a	521	BCR	C20-C21-C22	-4.47	121.00	127.28
17	bJ	4012	BCR	C15-C14-C13	-4.47	121.01	127.28
17	cA	4003	BCR	C7-C8-C9	-4.47	119.62	126.23
17	a2	521	BCR	C20-C21-C22	-4.47	121.01	127.28
17	Y	521	BCR	C16-C17-C18	-4.47	121.01	127.28
17	a2	522	BCR	C7-C8-C9	-4.47	119.62	126.23
17	b4	521	BCR	C16-C17-C18	-4.47	121.02	127.28
17	cI	4018	BCR	C20-C21-C22	-4.47	121.02	127.28
17	h	524	BCR	C20-C21-C22	-4.46	121.02	127.28
17	l	524	BCR	C7-C8-C9	-4.46	119.63	126.23
17	o	522	BCR	C7-C8-C9	-4.46	119.63	126.23
17	b2	523	BCR	C16-C17-C18	-4.46	121.02	127.28
17	k	523	BCR	C16-C17-C18	-4.46	121.02	127.28
17	bA	4007	BCR	C33-C5-C6	-4.46	119.62	124.48
17	S	521	BCR	C24-C23-C22	-4.46	119.64	126.23
17	c	523	BCR	C16-C17-C18	-4.46	121.03	127.28
17	U	521	BCR	C15-C14-C13	-4.45	121.04	127.28
17	k	521	BCR	C20-C21-C22	-4.45	121.04	127.28
17	aL	4022	BCR	C15-C14-C13	-4.45	121.04	127.28
18	cA	5002	LHG	O4-P-O5	4.45	133.13	112.44
17	aI	523	BCR	C15-C14-C13	-4.45	121.04	127.28
17	bI	4019	BCR	C20-C21-C22	-4.45	121.04	127.28
18	bA	5004	LHG	O4-P-O5	4.44	133.12	112.44
18	aA	5002	LHG	O4-P-O5	4.44	133.12	112.44
18	cA	5001	LHG	O4-P-O5	4.44	133.12	112.44
17	c4	521	BCR	C15-C14-C13	-4.44	121.05	127.28
17	W	523	BCR	C7-C8-C9	-4.44	119.67	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	a6	521	BCR	C16-C17-C18	-4.44	121.05	127.28
17	j	524	BCR	C24-C23-C22	-4.44	119.67	126.23
17	aF	4016	BCR	C7-C8-C9	-4.44	119.67	126.23
17	a5	524	BCR	C11-C10-C9	-4.44	121.06	127.28
17	f	521	BCR	C15-C14-C13	-4.43	121.06	127.28
18	cA	5004	LHG	O4-P-O5	4.43	133.07	112.44
17	W	524	BCR	C11-C10-C9	-4.43	121.06	127.28
17	b5	523	BCR	C16-C17-C18	-4.43	121.06	127.28
17	j	521	BCR	C7-C8-C9	-4.43	119.68	126.23
17	j	522	BCR	C20-C21-C22	-4.43	121.07	127.28
18	aA	5001	LHG	O4-P-O5	4.43	133.05	112.44
18	cA	5005	LHG	O4-P-O5	4.43	133.05	112.44
17	j	523	BCR	C11-C10-C9	-4.43	121.07	127.28
18	aA	5005	LHG	O4-P-O5	4.43	133.04	112.44
17	b6	523	BCR	C20-C21-C22	-4.43	121.07	127.28
17	X	521	BCR	C11-C10-C9	-4.43	121.07	127.28
17	h	521	BCR	C15-C14-C13	-4.42	121.08	127.28
18	bA	5001	LHG	O4-P-O5	4.42	133.02	112.44
17	b2	521	BCR	C11-C10-C9	-4.42	121.08	127.28
17	b3	521	BCR	C20-C21-C22	-4.42	121.08	127.28
17	b4	521	BCR	C7-C8-C9	-4.42	119.70	126.23
17	l	521	BCR	C24-C23-C22	-4.42	119.70	126.23
17	c3	523	BCR	C11-C10-C9	-4.42	121.08	127.28
17	V	524	BCR	C20-C21-C22	-4.42	121.08	127.28
18	aA	5004	LHG	O4-P-O5	4.42	132.99	112.44
17	i	523	BCR	C16-C17-C18	-4.42	121.09	127.28
18	bA	5005	LHG	O4-P-O5	4.41	132.98	112.44
17	S	524	BCR	C16-C17-C18	-4.41	121.09	127.28
17	q	524	BCR	C16-C17-C18	-4.41	121.09	127.28
17	cA	4008	BCR	C15-C14-C13	-4.41	121.10	127.28
17	aI	4020	BCR	C15-C14-C13	-4.40	121.10	127.28
17	U	523	BCR	C20-C21-C22	-4.40	121.10	127.28
17	d	521	BCR	C20-C21-C22	-4.40	121.10	127.28
17	a6	524	BCR	C11-C10-C9	-4.40	121.11	127.28
17	c6	523	BCR	C20-C21-C22	-4.40	121.11	127.28
17	b6	524	BCR	C16-C17-C18	-4.40	121.11	127.28
17	i	521	BCR	C7-C8-C9	-4.40	119.72	126.23
18	bA	5002	LHG	O4-P-O5	4.40	132.91	112.44
17	cB	4009	BCR	C15-C14-C13	-4.39	121.11	127.28
17	a5	522	BCR	C11-C10-C9	-4.39	121.12	127.28
17	bF	4016	BCR	C7-C8-C9	-4.39	119.74	126.23
17	cB	4005	BCR	C11-C10-C9	-4.39	121.12	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	bI	4018	BCR	C20-C21-C22	-4.39	121.12	127.28
17	l	523	BCR	C20-C21-C22	-4.39	121.12	127.28
17	d	521	BCR	C11-C10-C9	-4.39	121.12	127.28
17	cA	4002	BCR	C20-C21-C22	-4.39	121.12	127.28
17	aA	4008	BCR	C15-C14-C13	-4.39	121.12	127.28
18	aA	5003	LHG	O4-P-O5	4.39	132.85	112.44
17	b6	524	BCR	C20-C21-C22	-4.38	121.13	127.28
17	b	523	BCR	C16-C17-C18	-4.38	121.13	127.28
17	c3	523	BCR	C20-C21-C22	-4.38	121.14	127.28
18	bA	5003	LHG	O4-P-O5	4.37	132.79	112.44
17	aJ	4012	BCR	C3-C4-C5	-4.37	106.26	114.06
17	bB	4004	BCR	C33-C5-C6	-4.37	119.72	124.48
17	l	523	BCR	C16-C17-C18	-4.37	121.15	127.28
17	aJ	4012	BCR	C16-C17-C18	-4.36	121.16	127.28
17	Y	523	BCR	C16-C17-C18	-4.36	121.17	127.28
17	n	521	BCR	C7-C8-C9	-4.36	119.79	126.23
17	a	522	BCR	C20-C21-C22	-4.35	121.17	127.28
18	cA	5003	LHG	O4-P-O5	4.35	132.69	112.44
17	c1	524	BCR	C16-C17-C18	-4.35	121.17	127.28
17	b1	524	BCR	C16-C17-C18	-4.35	121.18	127.28
17	a4	522	BCR	C7-C8-C9	-4.35	119.81	126.23
17	c6	523	BCR	C11-C10-C9	-4.35	121.18	127.28
17	q	521	BCR	C15-C14-C13	-4.35	121.18	127.28
17	Z	524	BCR	C16-C17-C18	-4.34	121.19	127.28
17	c6	522	BCR	C11-C10-C9	-4.34	121.19	127.28
17	a5	521	BCR	C7-C8-C9	-4.34	119.82	126.23
17	cA	4007	BCR	C7-C8-C9	-4.34	119.82	126.23
17	c3	521	BCR	C11-C10-C9	-4.34	121.19	127.28
17	cB	4005	BCR	C16-C17-C18	-4.34	121.20	127.28
17	cJ	4012	BCR	C16-C17-C18	-4.34	121.20	127.28
17	f	524	BCR	C11-C10-C9	-4.34	121.20	127.28
17	cK	4001	BCR	C7-C8-C9	-4.33	119.82	126.23
17	a4	521	BCR	C24-C23-C22	-4.33	119.83	126.23
14	a4	504	CLA	C1-C2-C3	-4.33	119.11	126.20
17	cJ	4012	BCR	C15-C14-C13	-4.33	121.21	127.28
17	cA	4003	BCR	C16-C17-C18	-4.33	121.21	127.28
17	h	521	BCR	C20-C21-C22	-4.33	121.21	127.28
17	bA	4002	BCR	C20-C21-C22	-4.32	121.22	127.28
17	a4	524	BCR	C11-C10-C9	-4.32	121.22	127.28
17	aB	4005	BCR	C16-C17-C18	-4.32	121.22	127.28
17	cF	4015	BCR	C20-C21-C22	-4.32	121.22	127.28
17	U	521	BCR	C24-C23-C22	-4.32	119.85	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	Y	524	BCR	C16-C17-C18	-4.31	121.23	127.28
17	b	521	BCR	C7-C8-C9	-4.31	119.86	126.23
17	l	523	BCR	C11-C10-C9	-4.31	121.24	127.28
17	W	524	BCR	C16-C17-C18	-4.31	121.24	127.28
17	b1	523	BCR	C15-C14-C13	-4.31	121.24	127.28
17	cB	4004	BCR	C33-C5-C6	-4.31	119.79	124.48
17	m	522	BCR	C16-C17-C18	-4.30	121.24	127.28
17	a4	524	BCR	C16-C17-C18	-4.30	121.25	127.28
17	b6	523	BCR	C11-C10-C9	-4.30	121.25	127.28
17	c2	521	BCR	C20-C21-C22	-4.30	121.25	127.28
17	b5	521	BCR	C7-C8-C9	-4.30	119.88	126.23
17	aI	4020	BCR	C16-C17-C18	-4.30	121.25	127.28
17	T	521	BCR	C7-C8-C9	-4.29	119.88	126.23
17	T	522	BCR	C16-C17-C18	-4.29	121.26	127.28
17	c5	521	BCR	C7-C8-C9	-4.29	119.89	126.23
17	bB	4009	BCR	C33-C5-C6	-4.29	119.80	124.48
17	n	521	BCR	C33-C5-C6	-4.29	119.80	124.48
17	V	524	BCR	C7-C8-C9	-4.29	119.89	126.23
17	a6	521	BCR	C20-C21-C22	-4.29	121.27	127.28
17	b2	523	BCR	C11-C10-C9	-4.28	121.27	127.28
17	c2	521	BCR	C16-C17-C18	-4.28	121.27	127.28
17	aA	4011	BCR	C15-C14-C13	-4.28	121.28	127.28
17	cA	4002	BCR	C11-C10-C9	-4.28	121.28	127.28
17	aA	4002	BCR	C20-C21-C22	-4.28	121.28	127.28
17	cA	4002	BCR	C15-C14-C13	-4.28	121.28	127.28
17	p	523	BCR	C11-C10-C9	-4.28	121.28	127.28
17	e	524	BCR	C7-C8-C9	-4.27	119.91	126.23
17	a2	524	BCR	C16-C17-C18	-4.27	121.28	127.28
14	f	516	CLA	CAC-C3C-C4C	4.27	130.35	124.79
17	a2	523	BCR	C16-C17-C18	-4.27	121.29	127.28
17	g	523	BCR	C11-C10-C9	-4.27	121.29	127.28
17	a5	522	BCR	C20-C21-C22	-4.27	121.29	127.28
17	bB	4005	BCR	C16-C17-C18	-4.26	121.30	127.28
17	aI	4018	BCR	C20-C21-C22	-4.26	121.31	127.28
17	c3	524	BCR	C16-C17-C18	-4.25	121.32	127.28
17	a	524	BCR	C16-C17-C18	-4.25	121.32	127.28
17	g	521	BCR	C24-C23-C22	-4.25	119.95	126.23
17	cI	4020	BCR	C16-C17-C18	-4.25	121.32	127.28
17	cF	4015	BCR	C7-C8-C9	-4.25	119.95	126.23
17	f	522	BCR	C7-C8-C9	-4.25	119.95	126.23
17	cF	4016	BCR	C7-C8-C9	-4.25	119.95	126.23
17	Z	523	BCR	C20-C21-C22	-4.25	121.32	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	cA	4003	BCR	C20-C21-C22	-4.24	121.33	127.28
17	a3	521	BCR	C16-C17-C18	-4.24	121.33	127.28
17	k	524	BCR	C20-C21-C22	-4.24	121.33	127.28
17	bJ	4012	BCR	C3-C4-C5	-4.24	106.49	114.06
17	cB	4009	BCR	C33-C5-C6	-4.24	119.86	124.48
17	j	523	BCR	C20-C21-C22	-4.24	121.33	127.28
17	m	524	BCR	C7-C8-C9	-4.24	119.97	126.23
17	a6	524	BCR	C16-C17-C18	-4.24	121.34	127.28
17	e	522	BCR	C16-C17-C18	-4.23	121.34	127.28
17	b1	523	BCR	C16-C17-C18	-4.23	121.35	127.28
17	b1	521	BCR	C16-C17-C18	-4.23	121.35	127.28
17	a6	523	BCR	C15-C14-C13	-4.22	121.35	127.28
17	b6	524	BCR	C7-C8-C9	-4.22	119.99	126.23
17	Y	524	BCR	C11-C10-C9	-4.22	121.36	127.28
17	i	523	BCR	C11-C10-C9	-4.22	121.36	127.28
17	bB	4009	BCR	C24-C23-C22	-4.22	120.00	126.23
17	i	521	BCR	C24-C23-C22	-4.22	120.00	126.23
17	T	522	BCR	C20-C21-C22	-4.22	121.36	127.28
17	p	521	BCR	C33-C5-C6	-4.22	119.88	124.48
17	bB	4005	BCR	C11-C10-C9	-4.21	121.37	127.28
17	j	523	BCR	C16-C17-C18	-4.21	121.37	127.28
17	i	521	BCR	C33-C5-C6	-4.21	119.89	124.48
17	n	523	BCR	C20-C21-C22	-4.21	121.37	127.28
20	q	822	SQD	O47-C7-C8	4.21	118.59	111.09
17	bA	4002	BCR	C15-C14-C13	-4.21	121.38	127.28
17	b3	521	BCR	C11-C10-C9	-4.20	121.38	127.28
17	b5	524	BCR	C16-C17-C18	-4.20	121.38	127.28
17	b5	521	BCR	C33-C5-C6	-4.20	119.90	124.48
17	cF	4015	BCR	C16-C17-C18	-4.20	121.38	127.28
17	j	524	BCR	C7-C8-C9	-4.20	120.02	126.23
17	g	524	BCR	C16-C17-C18	-4.20	121.39	127.28
17	bB	4010	BCR	C20-C21-C22	-4.20	121.39	127.28
17	X	524	BCR	C16-C17-C18	-4.19	121.39	127.28
17	i	524	BCR	C24-C23-C22	-4.19	120.03	126.23
17	cB	4010	BCR	C20-C21-C22	-4.19	121.40	127.28
17	bJ	4012	BCR	C16-C17-C18	-4.19	121.40	127.28
17	aB	4005	BCR	C11-C10-C9	-4.19	121.40	127.28
17	a	523	BCR	C20-C21-C22	-4.19	121.40	127.28
17	aA	4002	BCR	C15-C14-C13	-4.19	121.40	127.28
17	b6	521	BCR	C20-C21-C22	-4.19	121.41	127.28
17	p	521	BCR	C7-C8-C9	-4.18	120.04	126.23
17	c3	521	BCR	C16-C17-C18	-4.18	121.41	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	aB	4004	BCR	C33-C5-C6	-4.18	119.92	124.48
17	c	521	BCR	C33-C5-C6	-4.18	119.92	124.48
17	c3	521	BCR	C20-C21-C22	-4.18	121.41	127.28
17	o	521	BCR	C24-C23-C22	-4.18	120.05	126.23
17	Y	521	BCR	C11-C10-C9	-4.18	121.41	127.28
17	a	524	BCR	C20-C21-C22	-4.18	121.42	127.28
17	k	523	BCR	C20-C21-C22	-4.18	121.42	127.28
17	c1	523	BCR	C20-C21-C22	-4.18	121.42	127.28
17	c2	523	BCR	C15-C14-C13	-4.17	121.42	127.28
17	a1	521	BCR	C7-C8-C9	-4.17	120.06	126.23
17	b3	523	BCR	C20-C21-C22	-4.17	121.43	127.28
17	cA	4011	BCR	C15-C14-C13	-4.17	121.43	127.28
17	bA	4003	BCR	C20-C21-C22	-4.17	121.43	127.28
17	bB	4010	BCR	C38-C26-C25	-4.17	119.93	124.48
17	V	524	BCR	C24-C23-C22	-4.17	120.06	126.23
17	k	521	BCR	C7-C8-C9	-4.17	120.06	126.23
17	b3	523	BCR	C11-C10-C9	-4.17	121.43	127.28
17	aA	4003	BCR	C20-C21-C22	-4.17	121.44	127.28
17	a2	524	BCR	C11-C10-C9	-4.17	121.44	127.28
17	Z	523	BCR	C24-C23-C22	-4.16	120.08	126.23
17	e	524	BCR	C20-C21-C22	-4.16	121.45	127.28
17	f	523	BCR	C16-C17-C18	-4.16	121.45	127.28
17	bA	4011	BCR	C15-C14-C13	-4.16	121.45	127.28
17	cJ	4012	BCR	C3-C4-C5	-4.15	106.65	114.06
17	e	523	BCR	C24-C23-C22	-4.15	120.09	126.23
17	c2	521	BCR	C33-C5-C6	-4.15	119.95	124.48
17	p	524	BCR	C24-C23-C22	-4.15	120.09	126.23
17	aA	4002	BCR	C11-C10-C9	-4.15	121.45	127.28
17	U	523	BCR	C11-C10-C9	-4.15	121.46	127.28
17	c1	521	BCR	C7-C8-C9	-4.15	120.09	126.23
17	Y	522	BCR	C11-C10-C9	-4.15	121.46	127.28
17	aI	4019	BCR	C20-C21-C22	-4.15	121.46	127.28
17	aI	4020	BCR	C38-C26-C25	-4.15	119.96	124.48
17	bI	4020	BCR	C16-C17-C18	-4.14	121.47	127.28
17	c	524	BCR	C7-C8-C9	-4.14	120.11	126.23
17	b	524	BCR	C11-C10-C9	-4.14	121.47	127.28
17	bF	4015	BCR	C7-C8-C9	-4.14	120.11	126.23
17	X	521	BCR	C20-C21-C22	-4.14	121.47	127.28
17	j	521	BCR	C24-C23-C22	-4.14	120.11	126.23
17	aB	4009	BCR	C33-C5-C6	-4.14	119.97	124.48
17	bA	4002	BCR	C11-C10-C9	-4.13	121.48	127.28
17	a3	523	BCR	C24-C23-C22	-4.13	120.12	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	l	524	BCR	C24-C23-C22	-4.13	120.12	126.23
17	i	523	BCR	C20-C21-C22	-4.13	121.49	127.28
17	aA	4007	BCR	C11-C10-C9	-4.13	121.49	127.28
17	c6	521	BCR	C24-C23-C22	-4.13	120.13	126.23
17	c6	523	BCR	C7-C8-C9	-4.12	120.13	126.23
17	aK	4001	BCR	C7-C8-C9	-4.12	120.14	126.23
17	T	521	BCR	C20-C21-C22	-4.12	121.50	127.28
20	g	822	SQD	O47-C7-C8	4.12	120.39	111.48
17	aA	4003	BCR	C16-C17-C18	-4.12	121.50	127.28
17	X	524	BCR	C11-C10-C9	-4.12	121.50	127.28
17	a5	521	BCR	C33-C5-C6	-4.12	119.99	124.48
17	c2	522	BCR	C7-C8-C9	-4.12	120.14	126.23
17	b4	521	BCR	C33-C5-C6	-4.12	119.99	124.48
17	a	524	BCR	C7-C8-C9	-4.12	120.15	126.23
17	Y	521	BCR	C24-C23-C22	-4.11	120.15	126.23
17	a2	521	BCR	C11-C10-C9	-4.11	121.51	127.28
17	b2	523	BCR	C7-C8-C9	-4.11	120.15	126.23
17	c5	523	BCR	C20-C21-C22	-4.11	121.51	127.28
17	c	521	BCR	C24-C23-C22	-4.11	120.16	126.23
17	aB	4010	BCR	C20-C21-C22	-4.10	121.52	127.28
17	h	523	BCR	C20-C21-C22	-4.10	121.53	127.28
17	o	521	BCR	C7-C8-C9	-4.10	120.17	126.23
17	q	521	BCR	C11-C10-C9	-4.10	121.53	127.28
17	W	521	BCR	C24-C23-C22	-4.09	120.18	126.23
17	aF	4015	BCR	C7-C8-C9	-4.09	120.18	126.23
17	S	523	BCR	C24-C23-C22	-4.09	120.19	126.23
17	h	523	BCR	C11-C10-C9	-4.09	121.55	127.28
17	q	523	BCR	C33-C5-C6	-4.08	120.03	124.48
17	a3	523	BCR	C20-C21-C22	-4.08	121.56	127.28
17	S	523	BCR	C33-C5-C6	-4.08	120.04	124.48
17	b4	521	BCR	C20-C21-C22	-4.07	121.56	127.28
17	T	523	BCR	C24-C23-C22	-4.07	120.21	126.23
17	b	521	BCR	C24-C23-C22	-4.07	120.21	126.23
17	aB	4009	BCR	C11-C10-C9	-4.07	121.57	127.28
17	aF	4015	BCR	C20-C21-C22	-4.07	121.57	127.28
17	a4	523	BCR	C16-C17-C18	-4.07	121.57	127.28
17	c4	521	BCR	C20-C21-C22	-4.07	121.57	127.28
17	m	523	BCR	C16-C17-C18	-4.07	121.57	127.28
17	c4	522	BCR	C16-C17-C18	-4.07	121.57	127.28
17	bI	4020	BCR	C20-C21-C22	-4.07	121.58	127.28
17	b4	524	BCR	C20-C21-C22	-4.07	121.58	127.28
17	b3	521	BCR	C7-C8-C9	-4.07	120.22	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	a4	524	BCR	C33-C5-C6	-4.06	120.05	124.48
17	bA	4007	BCR	C11-C10-C9	-4.06	121.58	127.28
17	m	522	BCR	C20-C21-C22	-4.06	121.58	127.28
17	c4	523	BCR	C7-C8-C9	-4.06	120.22	126.23
17	a5	524	BCR	C33-C5-C6	-4.06	120.05	124.48
17	a5	524	BCR	C7-C8-C9	-4.06	120.23	126.23
17	cB	4005	BCR	C24-C23-C22	-4.06	120.23	126.23
17	e	523	BCR	C11-C10-C9	-4.06	121.59	127.28
17	k	524	BCR	C11-C10-C9	-4.06	121.59	127.28
17	X	521	BCR	C7-C8-C9	-4.06	120.24	126.23
17	aA	4011	BCR	C38-C26-C25	-4.05	120.06	124.48
17	b5	522	BCR	C33-C5-C6	-4.05	120.06	124.48
17	cI	4019	BCR	C11-C10-C9	-4.05	121.59	127.28
17	bA	4007	BCR	C7-C8-C9	-4.05	120.24	126.23
17	W	523	BCR	C24-C23-C22	-4.05	120.24	126.23
17	bA	4007	BCR	C38-C26-C25	-4.05	120.07	124.48
17	cB	4010	BCR	C38-C26-C25	-4.05	120.07	124.48
17	b4	524	BCR	C7-C8-C9	-4.04	120.25	126.23
17	f	521	BCR	C7-C8-C9	-4.04	120.25	126.23
17	q	521	BCR	C24-C23-C22	-4.04	120.25	126.23
17	aK	4001	BCR	C16-C17-C18	-4.04	121.61	127.28
17	a5	521	BCR	C24-C23-C22	-4.04	120.26	126.23
17	g	523	BCR	C24-C23-C22	-4.04	120.26	126.23
17	cA	4002	BCR	C38-C26-C25	-4.04	120.08	124.48
17	aA	4007	BCR	C7-C8-C9	-4.04	120.26	126.23
17	h	522	BCR	C7-C8-C9	-4.04	120.26	126.23
17	bI	4019	BCR	C11-C10-C9	-4.03	121.62	127.28
17	aA	4002	BCR	C38-C26-C25	-4.03	120.09	124.48
17	f	521	BCR	C33-C5-C6	-4.03	120.09	124.48
17	j	524	BCR	C16-C17-C18	-4.03	121.63	127.28
17	aA	4011	BCR	C24-C23-C22	-4.03	120.27	126.23
17	g	521	BCR	C7-C8-C9	-4.03	120.28	126.23
17	W	524	BCR	C20-C21-C22	-4.03	121.63	127.28
17	e	521	BCR	C24-C23-C22	-4.02	120.28	126.23
17	bK	4001	BCR	C33-C5-C6	-4.02	120.09	124.48
17	a3	522	BCR	C7-C8-C9	-4.02	120.29	126.23
17	b5	524	BCR	C20-C21-C22	-4.02	121.64	127.28
17	a3	521	BCR	C11-C10-C9	-4.02	121.64	127.28
17	T	524	BCR	C20-C21-C22	-4.02	121.64	127.28
17	a1	523	BCR	C7-C8-C9	-4.02	120.30	126.23
17	X	523	BCR	C16-C17-C18	-4.02	121.65	127.28
17	c2	523	BCR	C20-C21-C22	-4.01	121.65	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	bI	4020	BCR	C33-C5-C6	-4.01	120.10	124.48
17	bI	521	BCR	C24-C23-C22	-4.01	120.30	126.23
17	bA	4003	BCR	C16-C17-C18	-4.01	121.65	127.28
17	cF	4016	BCR	C20-C21-C22	-4.01	121.65	127.28
17	b6	524	BCR	C24-C23-C22	-4.01	120.30	126.23
17	bA	4002	BCR	C38-C26-C25	-4.01	120.11	124.48
17	h	524	BCR	C11-C10-C9	-4.01	121.65	127.28
17	aF	4016	BCR	C16-C17-C18	-4.01	121.66	127.28
17	aF	4015	BCR	C16-C17-C18	-4.01	121.66	127.28
17	q	523	BCR	C11-C10-C9	-4.01	121.66	127.28
17	o	523	BCR	C16-C17-C18	-4.01	121.66	127.28
17	a3	521	BCR	C20-C21-C22	-4.01	121.66	127.28
17	p	524	BCR	C7-C8-C9	-4.01	120.31	126.23
17	Z	521	BCR	C24-C23-C22	-4.00	120.31	126.23
17	bI	4020	BCR	C38-C26-C25	-4.00	120.12	124.48
17	a	521	BCR	C7-C8-C9	-4.00	120.32	126.23
17	Z	522	BCR	C20-C21-C22	-4.00	121.67	127.28
17	aI	4020	BCR	C33-C5-C6	-4.00	120.12	124.48
17	p	522	BCR	C20-C21-C22	-4.00	121.67	127.28
20	b3	822	SQD	O9-S-O7	-4.00	100.83	113.82
17	S	521	BCR	C33-C5-C6	-3.99	120.13	124.48
17	a6	524	BCR	C20-C21-C22	-3.99	121.68	127.28
17	m	522	BCR	C24-C23-C22	-3.99	120.33	126.23
17	cF	4016	BCR	C16-C17-C18	-3.99	121.68	127.28
17	bA	4008	BCR	C33-C5-C6	-3.99	120.13	124.48
17	h	521	BCR	C7-C8-C9	-3.99	120.33	126.23
17	c5	523	BCR	C11-C10-C9	-3.99	121.68	127.28
17	c5	521	BCR	C24-C23-C22	-3.99	120.33	126.23
17	c4	521	BCR	C24-C23-C22	-3.99	120.34	126.23
17	V	522	BCR	C20-C21-C22	-3.99	121.69	127.28
17	bM	4021	BCR	C7-C8-C9	-3.99	120.34	126.23
17	V	522	BCR	C7-C8-C9	-3.99	120.34	126.23
17	k	522	BCR	C24-C23-C22	-3.99	120.34	126.23
17	q	523	BCR	C20-C21-C22	-3.99	121.69	127.28
17	cJ	4013	BCR	C11-C10-C9	-3.98	121.69	127.28
17	Z	521	BCR	C11-C10-C9	-3.98	121.69	127.28
17	cI	4020	BCR	C33-C5-C6	-3.98	120.14	124.48
17	bL	4022	BCR	C16-C17-C18	-3.98	121.69	127.28
17	k	521	BCR	C24-C23-C22	-3.98	120.34	126.23
17	aA	4002	BCR	C33-C5-C6	-3.98	120.14	124.48
17	a2	521	BCR	C16-C17-C18	-3.98	121.69	127.28
17	c	522	BCR	C20-C21-C22	-3.98	121.69	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	c5	522	BCR	C7-C8-C9	-3.98	120.34	126.23
17	p	522	BCR	C24-C23-C22	-3.98	120.35	126.23
17	c	522	BCR	C16-C17-C18	-3.98	121.70	127.28
17	a3	523	BCR	C7-C8-C9	-3.98	120.35	126.23
17	bB	4005	BCR	C24-C23-C22	-3.98	120.35	126.23
20	p	822	SQD	O9-S-O7	-3.98	100.89	113.82
17	U	521	BCR	C11-C10-C9	-3.98	121.70	127.28
17	q	524	BCR	C20-C21-C22	-3.97	121.70	127.28
17	aB	4010	BCR	C38-C26-C25	-3.97	120.15	124.48
17	c1	523	BCR	C11-C10-C9	-3.97	121.71	127.28
17	V	521	BCR	C33-C5-C6	-3.97	120.15	124.48
17	b5	524	BCR	C7-C8-C9	-3.97	120.36	126.23
17	aA	4007	BCR	C38-C26-C25	-3.97	120.15	124.48
17	m	523	BCR	C11-C10-C9	-3.97	121.71	127.28
17	c	523	BCR	C11-C10-C9	-3.97	121.71	127.28
17	j	522	BCR	C24-C23-C22	-3.97	120.37	126.23
17	p	523	BCR	C16-C17-C18	-3.97	121.72	127.28
17	Z	522	BCR	C16-C17-C18	-3.97	121.72	127.28
17	c6	524	BCR	C7-C8-C9	-3.97	120.37	126.23
17	b1	522	BCR	C7-C8-C9	-3.96	120.37	126.23
17	cB	4004	BCR	C11-C10-C9	-3.96	121.72	127.28
17	m	523	BCR	C20-C21-C22	-3.96	121.72	127.28
17	aB	4006	BCR	C16-C17-C18	-3.96	121.72	127.28
17	bF	4016	BCR	C16-C17-C18	-3.96	121.72	127.28
17	k	522	BCR	C7-C8-C9	-3.96	120.38	126.23
17	q	523	BCR	C7-C8-C9	-3.96	120.38	126.23
17	m	524	BCR	C24-C23-C22	-3.96	120.38	126.23
17	cK	4001	BCR	C16-C17-C18	-3.96	121.73	127.28
17	j	522	BCR	C16-C17-C18	-3.96	121.73	127.28
17	V	521	BCR	C20-C21-C22	-3.96	121.73	127.28
17	V	523	BCR	C20-C21-C22	-3.96	121.73	127.28
17	T	523	BCR	C11-C10-C9	-3.96	121.73	127.28
17	b2	521	BCR	C7-C8-C9	-3.95	120.39	126.23
17	c	523	BCR	C33-C5-C6	-3.95	120.17	124.48
20	c4	822	SQD	O9-S-O7	-3.95	100.97	113.82
20	e	822	SQD	O9-S-O7	-3.95	100.97	113.82
17	n	522	BCR	C24-C23-C22	-3.95	120.39	126.23
17	cI	4020	BCR	C38-C26-C25	-3.95	120.17	124.48
17	a1	523	BCR	C11-C10-C9	-3.95	121.74	127.28
17	c5	522	BCR	C20-C21-C22	-3.95	121.74	127.28
17	cA	4007	BCR	C38-C26-C25	-3.95	120.18	124.48
17	aB	4005	BCR	C24-C23-C22	-3.94	120.40	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	a2	524	BCR	C20-C21-C22	-3.94	121.75	127.28
17	bB	4004	BCR	C15-C14-C13	-3.94	121.75	127.28
17	W	521	BCR	C7-C8-C9	-3.94	120.40	126.23
17	aB	4004	BCR	C38-C26-C25	-3.94	120.18	124.48
17	cL	4022	BCR	C20-C21-C22	-3.94	121.75	127.28
17	a6	524	BCR	C24-C23-C22	-3.94	120.41	126.23
17	a	521	BCR	C24-C23-C22	-3.94	120.41	126.23
17	j	523	BCR	C24-C23-C22	-3.94	120.41	126.23
17	cI	4020	BCR	C20-C21-C22	-3.94	121.76	127.28
17	a6	523	BCR	C11-C10-C9	-3.94	121.76	127.28
17	b1	523	BCR	C7-C8-C9	-3.93	120.42	126.23
17	bA	4011	BCR	C38-C26-C25	-3.93	120.19	124.48
17	a2	521	BCR	C7-C8-C9	-3.93	120.42	126.23
17	V	522	BCR	C33-C5-C6	-3.93	120.20	124.48
17	c3	522	BCR	C16-C17-C18	-3.93	121.77	127.28
17	c	523	BCR	C20-C21-C22	-3.93	121.77	127.28
17	a1	521	BCR	C24-C23-C22	-3.93	120.43	126.23
17	a2	524	BCR	C33-C5-C6	-3.93	120.20	124.48
20	a4	822	SQD	O9-S-O7	-3.92	101.06	113.82
17	aA	4008	BCR	C33-C5-C6	-3.92	120.20	124.48
17	d	524	BCR	C24-C23-C22	-3.92	120.43	126.23
17	W	523	BCR	C20-C21-C22	-3.92	121.78	127.28
20	b4	822	SQD	O9-S-O7	-3.92	101.06	113.82
17	a4	523	BCR	C20-C21-C22	-3.92	121.78	127.28
17	b1	522	BCR	C38-C26-C25	-3.92	120.21	124.48
20	a3	822	SQD	O9-S-O7	-3.92	101.08	113.82
17	n	523	BCR	C33-C5-C6	-3.92	120.21	124.48
17	a4	521	BCR	C33-C5-C6	-3.92	120.21	124.48
17	b1	521	BCR	C7-C8-C9	-3.92	120.44	126.23
20	h	822	SQD	O9-S-O7	-3.92	101.09	113.82
17	b3	523	BCR	C24-C23-C22	-3.91	120.44	126.23
17	n	524	BCR	C24-C23-C22	-3.91	120.45	126.23
17	b2	521	BCR	C24-C23-C22	-3.91	120.45	126.23
17	S	522	BCR	C7-C8-C9	-3.91	120.45	126.23
17	b	523	BCR	C33-C5-C6	-3.91	120.22	124.48
17	bB	4006	BCR	C16-C17-C18	-3.91	121.80	127.28
17	b6	522	BCR	C33-C5-C6	-3.91	120.22	124.48
17	cA	4008	BCR	C33-C5-C6	-3.91	120.22	124.48
17	cL	4022	BCR	C16-C17-C18	-3.91	121.80	127.28
20	g	822	SQD	O9-S-O7	-3.90	101.12	113.82
17	a4	524	BCR	C20-C21-C22	-3.90	121.81	127.28
17	cJ	4013	BCR	C20-C21-C22	-3.90	121.81	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
20	a2	822	SQD	O47-C7-C8	3.90	119.92	111.48
17	cB	4004	BCR	C15-C14-C13	-3.90	121.81	127.28
17	b	523	BCR	C11-C10-C9	-3.90	121.81	127.28
17	a6	523	BCR	C7-C8-C9	-3.90	120.47	126.23
17	q	522	BCR	C16-C17-C18	-3.90	121.81	127.28
20	S	822	SQD	O9-S-O7	-3.90	101.15	113.82
20	c2	822	SQD	O9-S-O7	-3.90	101.15	113.82
20	a6	822	SQD	O9-S-O7	-3.89	101.16	113.82
17	a5	524	BCR	C20-C21-C22	-3.89	121.82	127.28
17	bB	4009	BCR	C11-C10-C9	-3.89	121.82	127.28
20	a1	822	SQD	O9-S-O7	-3.89	101.16	113.82
17	p	523	BCR	C20-C21-C22	-3.89	121.82	127.28
17	c5	524	BCR	C7-C8-C9	-3.89	120.48	126.23
20	Z	822	SQD	O9-S-O7	-3.89	101.17	113.82
17	bF	4015	BCR	C20-C21-C22	-3.89	121.82	127.28
20	b	822	SQD	O9-S-O7	-3.89	101.17	113.82
20	c4	822	SQD	O47-C7-C8	3.89	119.90	111.48
17	q	524	BCR	C7-C8-C9	-3.89	120.48	126.23
17	b	521	BCR	C33-C5-C6	-3.89	120.24	124.48
17	c	524	BCR	C20-C21-C22	-3.89	121.82	127.28
17	i	523	BCR	C33-C5-C6	-3.89	120.24	124.48
20	c5	822	SQD	O9-S-O7	-3.89	101.19	113.82
17	U	522	BCR	C24-C23-C22	-3.89	120.49	126.23
17	bJ	4012	BCR	C7-C8-C9	-3.88	120.49	126.23
17	bK	4001	BCR	C7-C8-C9	-3.88	120.49	126.23
17	b1	523	BCR	C11-C10-C9	-3.88	121.83	127.28
17	b2	524	BCR	C24-C23-C22	-3.88	120.49	126.23
17	a2	522	BCR	C38-C26-C25	-3.88	120.25	124.48
17	a2	523	BCR	C20-C21-C22	-3.88	121.84	127.28
17	Y	521	BCR	C33-C5-C6	-3.87	120.26	124.48
20	c3	822	SQD	O9-S-O7	-3.87	101.23	113.82
17	cI	4018	BCR	C16-C17-C18	-3.87	121.85	127.28
17	bJ	4013	BCR	C3-C4-C5	-3.87	107.16	114.06
17	S	524	BCR	C33-C5-C6	-3.87	120.26	124.48
17	cB	4009	BCR	C11-C10-C9	-3.87	121.86	127.28
17	V	522	BCR	C38-C26-C25	-3.86	120.27	124.48
17	p	522	BCR	C16-C17-C18	-3.86	121.86	127.28
20	f	822	SQD	O9-S-O7	-3.86	101.26	113.82
20	b6	822	SQD	O9-S-O7	-3.86	101.26	113.82
20	i	822	SQD	O9-S-O7	-3.86	101.26	113.82
17	l	521	BCR	C33-C5-C6	-3.86	120.27	124.48
20	W	822	SQD	O9-S-O7	-3.86	101.27	113.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
20	c6	822	SQD	O9-S-O7	-3.86	101.28	113.82
17	b	523	BCR	C20-C21-C22	-3.86	121.87	127.28
17	e	521	BCR	C7-C8-C9	-3.86	120.53	126.23
17	b6	522	BCR	C7-C8-C9	-3.85	120.53	126.23
17	d	522	BCR	C20-C21-C22	-3.85	121.87	127.28
17	b2	522	BCR	C24-C23-C22	-3.85	120.53	126.23
17	aI	4019	BCR	C11-C10-C9	-3.85	121.87	127.28
17	c3	523	BCR	C24-C23-C22	-3.85	120.53	126.23
17	a5	522	BCR	C33-C5-C6	-3.85	120.28	124.48
17	aB	4004	BCR	C15-C14-C13	-3.85	121.88	127.28
17	b2	523	BCR	C20-C21-C22	-3.85	121.88	127.28
17	a	523	BCR	C24-C23-C22	-3.85	120.54	126.23
20	b1	822	SQD	O9-S-O7	-3.85	101.30	113.82
17	cJ	4012	BCR	C7-C8-C9	-3.85	120.54	126.23
17	c6	523	BCR	C24-C23-C22	-3.85	120.54	126.23
17	Y	522	BCR	C33-C5-C6	-3.85	120.28	124.48
17	aB	4017	BCR	C15-C14-C13	-3.85	121.88	127.28
17	l	524	BCR	C33-C5-C6	-3.85	120.29	124.48
17	cJ	4013	BCR	C3-C4-C5	-3.85	107.20	114.06
14	g	516	CLA	CAC-C3C-C4C	3.85	129.79	124.79
17	n	524	BCR	C33-C5-C6	-3.85	120.29	124.48
17	aJ	4013	BCR	C3-C4-C5	-3.84	107.20	114.06
20	c1	822	SQD	O9-S-O7	-3.84	101.32	113.82
17	aI	4020	BCR	C20-C21-C22	-3.84	121.89	127.28
17	cA	4011	BCR	C38-C26-C25	-3.84	120.29	124.48
17	cB	4006	BCR	C33-C5-C6	-3.84	120.29	124.48
17	aI	4019	BCR	C38-C26-C25	-3.84	120.29	124.48
17	c5	524	BCR	C20-C21-C22	-3.84	121.89	127.28
20	aB	1852	SQD	O9-S-O7	-3.84	101.33	113.82
17	b3	524	BCR	C24-C23-C22	-3.84	120.56	126.23
17	o	524	BCR	C7-C8-C9	-3.84	120.56	126.23
17	X	523	BCR	C20-C21-C22	-3.84	121.89	127.28
20	Y	822	SQD	O9-S-O7	-3.84	101.34	113.82
17	a5	522	BCR	C38-C26-C25	-3.84	120.30	124.48
17	cB	4006	BCR	C16-C17-C18	-3.84	121.90	127.28
20	n	822	SQD	O9-S-O7	-3.84	101.34	113.82
17	U	524	BCR	C7-C8-C9	-3.84	120.56	126.23
17	Z	522	BCR	C38-C26-C25	-3.84	120.30	124.48
17	bF	4015	BCR	C16-C17-C18	-3.83	121.90	127.28
17	c4	524	BCR	C20-C21-C22	-3.83	121.90	127.28
17	l	523	BCR	C24-C23-C22	-3.83	120.56	126.23
17	c1	521	BCR	C24-C23-C22	-3.83	120.56	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	d	521	BCR	C24-C23-C22	-3.83	120.57	126.23
20	V	822	SQD	O9-S-O7	-3.83	101.36	113.82
20	q	822	SQD	O9-S-O7	-3.83	101.36	113.82
17	b3	524	BCR	C33-C5-C6	-3.83	120.30	124.48
20	a5	822	SQD	O9-S-O7	-3.83	101.36	113.82
17	a2	521	BCR	C24-C23-C22	-3.83	120.57	126.23
20	d	822	SQD	O9-S-O7	-3.83	101.37	113.82
17	c6	524	BCR	C33-C5-C6	-3.83	120.31	124.48
17	c5	521	BCR	C33-C5-C6	-3.83	120.31	124.48
20	bB	1852	SQD	O9-S-O7	-3.82	101.38	113.82
17	c3	522	BCR	C20-C21-C22	-3.82	121.91	127.28
17	bL	4022	BCR	C20-C21-C22	-3.82	121.92	127.28
17	h	521	BCR	C33-C5-C6	-3.82	120.31	124.48
17	d	524	BCR	C7-C8-C9	-3.82	120.58	126.23
17	c5	522	BCR	C33-C5-C6	-3.82	120.32	124.48
20	a2	822	SQD	O9-S-O7	-3.82	101.41	113.82
17	f	522	BCR	C20-C21-C22	-3.82	121.93	127.28
17	b4	524	BCR	C33-C5-C6	-3.82	120.32	124.48
20	m	822	SQD	O9-S-O7	-3.82	101.41	113.82
17	b4	523	BCR	C20-C21-C22	-3.82	121.93	127.28
20	b5	822	SQD	O9-S-O7	-3.82	101.42	113.82
17	a3	524	BCR	C20-C21-C22	-3.81	121.93	127.28
17	c4	523	BCR	C16-C17-C18	-3.81	121.93	127.28
17	aK	4001	BCR	C33-C5-C6	-3.81	120.32	124.48
17	bB	4004	BCR	C11-C10-C9	-3.81	121.93	127.28
17	b3	524	BCR	C20-C21-C22	-3.81	121.93	127.28
17	c3	521	BCR	C24-C23-C22	-3.81	120.59	126.23
17	T	524	BCR	C33-C5-C6	-3.81	120.33	124.48
17	V	523	BCR	C11-C10-C9	-3.81	121.94	127.28
20	X	822	SQD	O9-S-O7	-3.81	101.44	113.82
20	c	822	SQD	O9-S-O7	-3.81	101.44	113.82
17	X	524	BCR	C20-C21-C22	-3.81	121.94	127.28
17	b6	523	BCR	C24-C23-C22	-3.81	120.60	126.23
17	c3	522	BCR	C24-C23-C22	-3.81	120.60	126.23
17	j	523	BCR	C33-C5-C6	-3.81	120.33	124.48
17	c6	524	BCR	C20-C21-C22	-3.81	121.94	127.28
20	c	822	SQD	O47-C7-C8	3.81	119.71	111.48
17	bB	4010	BCR	C33-C5-C6	-3.81	120.33	124.48
17	T	522	BCR	C24-C23-C22	-3.80	120.61	126.23
17	b1	524	BCR	C11-C10-C9	-3.80	121.94	127.28
17	o	523	BCR	C20-C21-C22	-3.80	121.94	127.28
17	b5	523	BCR	C33-C5-C6	-3.80	120.33	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	c1	523	BCR	C24-C23-C22	-3.80	120.61	126.23
17	T	523	BCR	C33-C5-C6	-3.80	120.34	124.48
17	o	521	BCR	C33-C5-C6	-3.80	120.34	124.48
17	b5	523	BCR	C20-C21-C22	-3.80	121.95	127.28
17	e	521	BCR	C38-C26-C25	-3.80	120.34	124.48
17	aL	4022	BCR	C16-C17-C18	-3.80	121.95	127.28
17	aB	4006	BCR	C33-C5-C6	-3.80	120.34	124.48
17	cI	4019	BCR	C38-C26-C25	-3.80	120.34	124.48
17	i	522	BCR	C38-C26-C25	-3.80	120.34	124.48
17	o	524	BCR	C24-C23-C22	-3.80	120.62	126.23
17	b	522	BCR	C20-C21-C22	-3.80	121.95	127.28
17	c2	522	BCR	C38-C26-C25	-3.80	120.34	124.48
17	S	524	BCR	C20-C21-C22	-3.80	121.95	127.28
17	cB	4005	BCR	C33-C5-C6	-3.80	120.34	124.48
17	X	524	BCR	C24-C23-C22	-3.79	120.62	126.23
17	aJ	4013	BCR	C33-C5-C6	-3.79	120.34	124.48
20	cB	1852	SQD	O9-S-O7	-3.79	101.48	113.82
17	d	521	BCR	C7-C8-C9	-3.79	120.62	126.23
17	i	524	BCR	C33-C5-C6	-3.79	120.34	124.48
17	c3	521	BCR	C7-C8-C9	-3.79	120.62	126.23
17	i	524	BCR	C7-C8-C9	-3.79	120.63	126.23
17	bB	4006	BCR	C33-C5-C6	-3.79	120.35	124.48
17	X	522	BCR	C38-C26-C25	-3.79	120.35	124.48
17	aI	4018	BCR	C16-C17-C18	-3.79	121.96	127.28
17	b5	524	BCR	C24-C23-C22	-3.79	120.63	126.23
17	cB	4010	BCR	C33-C5-C6	-3.79	120.35	124.48
17	c6	522	BCR	C38-C26-C25	-3.79	120.35	124.48
17	b6	524	BCR	C33-C5-C6	-3.79	120.35	124.48
17	c4	522	BCR	C20-C21-C22	-3.79	121.97	127.28
17	bB	4005	BCR	C33-C5-C6	-3.79	120.35	124.48
17	aJ	4013	BCR	C20-C21-C22	-3.79	121.97	127.28
17	S	522	BCR	C20-C21-C22	-3.78	121.97	127.28
17	b6	521	BCR	C24-C23-C22	-3.78	120.64	126.23
17	m	521	BCR	C7-C8-C9	-3.78	120.64	126.23
17	c4	523	BCR	C1-C6-C5	-3.78	117.47	122.64
17	c2	521	BCR	C24-C23-C22	-3.78	120.64	126.23
20	b2	822	SQD	O9-S-O7	-3.78	101.52	113.82
17	bJ	4013	BCR	C20-C21-C22	-3.78	121.97	127.28
17	aF	4016	BCR	C20-C21-C22	-3.78	121.97	127.28
17	e	521	BCR	C33-C5-C6	-3.78	120.36	124.48
17	g	522	BCR	C16-C17-C18	-3.78	121.98	127.28
17	f	522	BCR	C33-C5-C6	-3.78	120.36	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	h	522	BCR	C38-C26-C25	-3.78	120.36	124.48
17	k	523	BCR	C24-C23-C22	-3.78	120.64	126.23
17	q	521	BCR	C7-C8-C9	-3.78	120.64	126.23
20	b2	822	SQD	O47-C7-C8	3.78	119.65	111.48
17	cJ	4013	BCR	C33-C5-C6	-3.78	120.36	124.48
17	a	524	BCR	C33-C5-C6	-3.78	120.36	124.48
17	f	521	BCR	C38-C26-C25	-3.78	120.36	124.48
17	a2	524	BCR	C24-C23-C22	-3.77	120.65	126.23
17	a3	521	BCR	C24-C23-C22	-3.77	120.65	126.23
17	b2	522	BCR	C33-C5-C6	-3.77	120.37	124.48
17	U	523	BCR	C24-C23-C22	-3.77	120.65	126.23
20	a5	822	SQD	O47-C7-C8	3.77	119.64	111.48
17	c5	524	BCR	C24-C23-C22	-3.77	120.65	126.23
17	W	522	BCR	C38-C26-C25	-3.77	120.37	124.48
20	T	822	SQD	O9-S-O7	-3.77	101.55	113.82
17	aK	4001	BCR	C20-C21-C22	-3.77	121.99	127.28
17	d	523	BCR	C20-C21-C22	-3.77	121.99	127.28
17	X	524	BCR	C33-C5-C6	-3.77	120.37	124.48
17	h	522	BCR	C33-C5-C6	-3.77	120.37	124.48
17	b1	523	BCR	C20-C21-C22	-3.77	121.99	127.28
17	Z	522	BCR	C33-C5-C6	-3.77	120.37	124.48
17	b4	522	BCR	C16-C17-C18	-3.77	122.00	127.28
17	c	522	BCR	C33-C5-C6	-3.77	120.38	124.48
17	U	524	BCR	C24-C23-C22	-3.77	120.67	126.23
17	c2	522	BCR	C33-C5-C6	-3.76	120.38	124.48
17	Z	524	BCR	C20-C21-C22	-3.76	122.00	127.28
17	b2	524	BCR	C7-C8-C9	-3.76	120.67	126.23
17	cF	4015	BCR	C24-C23-C22	-3.76	120.67	126.23
17	b	522	BCR	C24-C23-C22	-3.76	120.67	126.23
17	i	523	BCR	C24-C23-C22	-3.76	120.67	126.23
17	e	522	BCR	C38-C26-C25	-3.76	120.38	124.48
17	b1	522	BCR	C33-C5-C6	-3.76	120.38	124.48
17	c4	524	BCR	C33-C5-C6	-3.76	120.38	124.48
17	c5	524	BCR	C33-C5-C6	-3.76	120.38	124.48
17	c1	522	BCR	C33-C5-C6	-3.76	120.38	124.48
17	h	521	BCR	C24-C23-C22	-3.76	120.67	126.23
17	U	524	BCR	C33-C5-C6	-3.76	120.38	124.48
17	a6	522	BCR	C33-C5-C6	-3.76	120.39	124.48
17	T	522	BCR	C33-C5-C6	-3.76	120.39	124.48
20	Z	822	SQD	O5-C5-C4	3.75	116.47	109.70
17	b1	524	BCR	C20-C21-C22	-3.75	122.01	127.28
17	b2	524	BCR	C20-C21-C22	-3.75	122.01	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	b2	522	BCR	C20-C21-C22	-3.75	122.01	127.28
17	c4	523	BCR	C20-C21-C22	-3.75	122.01	127.28
17	b3	522	BCR	C16-C17-C18	-3.75	122.02	127.28
17	c4	524	BCR	C11-C10-C9	-3.75	122.02	127.28
17	b3	521	BCR	C24-C23-C22	-3.75	120.69	126.23
17	bI	4019	BCR	C38-C26-C25	-3.75	120.39	124.48
17	cK	4001	BCR	C33-C5-C6	-3.75	120.39	124.48
17	bF	4016	BCR	C20-C21-C22	-3.75	122.02	127.28
17	a6	521	BCR	C24-C23-C22	-3.75	120.69	126.23
17	S	522	BCR	C38-C26-C25	-3.75	120.39	124.48
17	U	522	BCR	C38-C26-C25	-3.75	120.39	124.48
17	f	522	BCR	C38-C26-C25	-3.75	120.39	124.48
17	c6	522	BCR	C33-C5-C6	-3.75	120.39	124.48
17	e	522	BCR	C24-C23-C22	-3.75	120.69	126.23
20	b5	822	SQD	O47-C7-C8	3.75	119.59	111.48
17	bK	4001	BCR	C16-C17-C18	-3.75	122.02	127.28
17	bM	4021	BCR	C11-C10-C9	-3.75	122.03	127.28
17	b6	522	BCR	C38-C26-C25	-3.75	120.40	124.48
17	a3	521	BCR	C7-C8-C9	-3.75	120.69	126.23
17	cM	4021	BCR	C7-C8-C9	-3.74	120.70	126.23
17	X	522	BCR	C33-C5-C6	-3.74	120.40	124.48
17	S	524	BCR	C7-C8-C9	-3.74	120.70	126.23
17	c5	522	BCR	C24-C23-C22	-3.74	120.70	126.23
20	b3	822	SQD	O47-C7-C8	3.74	119.57	111.48
17	bI	4019	BCR	C7-C8-C9	-3.74	120.70	126.23
17	b6	523	BCR	C7-C8-C9	-3.74	120.70	126.23
17	b6	522	BCR	C16-C17-C18	-3.74	122.03	127.28
17	o	522	BCR	C16-C17-C18	-3.74	122.03	127.28
17	W	524	BCR	C24-C23-C22	-3.74	120.70	126.23
17	a	521	BCR	C33-C5-C6	-3.74	120.40	124.48
17	c2	524	BCR	C7-C8-C9	-3.74	120.71	126.23
17	cA	4002	BCR	C33-C5-C6	-3.74	120.41	124.48
17	bB	4005	BCR	C20-C21-C22	-3.74	122.04	127.28
17	cB	4004	BCR	C7-C8-C9	-3.74	120.71	126.23
17	cB	4004	BCR	C38-C26-C25	-3.74	120.41	124.48
17	c3	523	BCR	C7-C8-C9	-3.74	120.71	126.23
17	f	522	BCR	C16-C17-C18	-3.73	122.04	127.28
17	b2	521	BCR	C33-C5-C6	-3.73	120.41	124.48
17	d	522	BCR	C33-C5-C6	-3.73	120.41	124.48
20	e	822	SQD	O47-C7-C8	3.73	119.55	111.48
20	aB	1852	SQD	O5-C5-C4	3.73	116.42	109.70
17	b3	523	BCR	C33-C5-C6	-3.73	120.41	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	g	521	BCR	C33-C5-C6	-3.73	120.41	124.48
17	b	522	BCR	C38-C26-C25	-3.73	120.42	124.48
20	d	822	SQD	O47-C7-C8	3.73	119.55	111.48
17	j	524	BCR	C33-C5-C6	-3.73	120.42	124.48
17	o	523	BCR	C24-C23-C22	-3.73	120.72	126.23
17	c2	524	BCR	C33-C5-C6	-3.73	120.42	124.48
17	c1	521	BCR	C38-C26-C25	-3.72	120.42	124.48
17	b2	522	BCR	C16-C17-C18	-3.72	122.06	127.28
17	X	521	BCR	C24-C23-C22	-3.72	120.73	126.23
17	a1	522	BCR	C33-C5-C6	-3.72	120.42	124.48
17	aF	4016	BCR	C33-C5-C6	-3.72	120.42	124.48
17	b3	522	BCR	C20-C21-C22	-3.72	122.06	127.28
17	c1	522	BCR	C20-C21-C22	-3.72	122.06	127.28
17	S	522	BCR	C33-C5-C6	-3.72	120.43	124.48
17	d	523	BCR	C24-C23-C22	-3.72	120.73	126.23
17	a3	524	BCR	C33-C5-C6	-3.72	120.43	124.48
17	X	521	BCR	C33-C5-C6	-3.72	120.43	124.48
17	h	524	BCR	C33-C5-C6	-3.72	120.43	124.48
17	f	524	BCR	C24-C23-C22	-3.72	120.74	126.23
17	b2	524	BCR	C33-C5-C6	-3.72	120.43	124.48
20	S	822	SQD	O47-C7-C8	3.72	119.52	111.48
17	cL	4022	BCR	C24-C23-C22	-3.71	120.74	126.23
17	bK	4001	BCR	C16-C15-C14	-3.71	115.92	123.52
17	U	524	BCR	C20-C21-C22	-3.71	122.07	127.28
20	bB	1852	SQD	O47-C7-C8	3.71	119.51	111.48
17	a5	523	BCR	C11-C10-C9	-3.71	122.08	127.28
17	c1	522	BCR	C38-C26-C25	-3.71	120.44	124.48
17	W	522	BCR	C33-C5-C6	-3.71	120.44	124.48
17	n	522	BCR	C38-C26-C25	-3.71	120.44	124.48
17	a4	523	BCR	C11-C10-C9	-3.71	122.08	127.28
17	bA	4003	BCR	C33-C5-C6	-3.71	120.44	124.48
17	a6	522	BCR	C38-C26-C25	-3.71	120.44	124.48
17	T	521	BCR	C24-C23-C22	-3.71	120.75	126.23
17	a2	522	BCR	C33-C5-C6	-3.70	120.44	124.48
17	Y	522	BCR	C38-C26-C25	-3.70	120.44	124.48
17	e	522	BCR	C33-C5-C6	-3.70	120.44	124.48
20	p	822	SQD	O47-C7-C8	3.70	119.49	111.48
17	T	522	BCR	C7-C8-C9	-3.70	120.76	126.23
20	c6	822	SQD	O47-C7-C8	3.70	119.49	111.48
17	c4	521	BCR	C33-C5-C6	-3.70	120.44	124.48
17	aJ	4012	BCR	C7-C8-C9	-3.70	120.76	126.23
17	q	521	BCR	C33-C5-C6	-3.70	120.45	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	bJ	4013	BCR	C33-C5-C6	-3.70	120.45	124.48
17	g	524	BCR	C38-C26-C25	-3.70	120.45	124.48
17	q	524	BCR	C33-C5-C6	-3.70	120.45	124.48
17	aA	4003	BCR	C33-C5-C6	-3.70	120.45	124.48
17	o	522	BCR	C38-C26-C25	-3.70	120.45	124.48
17	b5	524	BCR	C33-C5-C6	-3.70	120.45	124.48
17	cM	4021	BCR	C11-C10-C9	-3.70	122.09	127.28
17	d	521	BCR	C33-C5-C6	-3.69	120.45	124.48
17	d	522	BCR	C16-C17-C18	-3.69	122.10	127.28
17	p	524	BCR	C38-C26-C25	-3.69	120.46	124.48
20	h	822	SQD	O47-C7-C8	3.69	119.47	111.48
17	n	524	BCR	C7-C8-C9	-3.69	120.78	126.23
17	cB	4005	BCR	C20-C21-C22	-3.69	122.10	127.28
17	f	524	BCR	C33-C5-C6	-3.69	120.46	124.48
17	a3	522	BCR	C16-C17-C18	-3.69	122.11	127.28
17	m	524	BCR	C33-C5-C6	-3.69	120.46	124.48
17	T	524	BCR	C7-C8-C9	-3.69	120.78	126.23
17	d	522	BCR	C38-C26-C25	-3.69	120.46	124.48
17	c3	524	BCR	C33-C5-C6	-3.69	120.46	124.48
17	j	522	BCR	C38-C26-C25	-3.69	120.46	124.48
17	h	524	BCR	C24-C23-C22	-3.68	120.78	126.23
17	k	521	BCR	C33-C5-C6	-3.68	120.47	124.48
17	c1	524	BCR	C20-C21-C22	-3.68	122.12	127.28
17	b4	521	BCR	C28-C27-C26	-3.68	107.50	114.06
17	U	521	BCR	C7-C8-C9	-3.68	120.79	126.23
17	U	523	BCR	C7-C8-C9	-3.68	120.79	126.23
20	b4	822	SQD	O47-C7-C8	3.68	119.43	111.48
17	cF	4015	BCR	C38-C26-C25	-3.68	120.47	124.48
17	V	523	BCR	C33-C5-C6	-3.68	120.47	124.48
17	aB	4010	BCR	C33-C5-C6	-3.67	120.47	124.48
17	a5	522	BCR	C16-C17-C18	-3.67	122.13	127.28
17	bB	4010	BCR	C7-C8-C9	-3.67	120.80	126.23
17	cA	4003	BCR	C33-C5-C6	-3.67	120.48	124.48
17	g	522	BCR	C38-C26-C25	-3.67	120.48	124.48
17	Y	524	BCR	C33-C5-C6	-3.67	120.48	124.48
17	c1	521	BCR	C33-C5-C6	-3.67	120.48	124.48
20	a6	822	SQD	O47-C7-C8	3.67	119.42	111.48
17	cB	4017	BCR	C15-C14-C13	-3.67	122.13	127.28
17	b	524	BCR	C24-C23-C22	-3.67	120.81	126.23
17	Y	524	BCR	C20-C21-C22	-3.67	122.14	127.28
17	a	522	BCR	C38-C26-C25	-3.67	120.48	124.48
17	m	522	BCR	C38-C26-C25	-3.67	120.48	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	cM	4021	BCR	C15-C14-C13	-3.67	122.14	127.28
17	q	522	BCR	C38-C26-C25	-3.66	120.48	124.48
17	c	522	BCR	C38-C26-C25	-3.66	120.49	124.48
17	b	524	BCR	C20-C21-C22	-3.66	122.14	127.28
17	g	523	BCR	C38-C26-C25	-3.66	120.49	124.48
17	a5	522	BCR	C24-C23-C22	-3.66	120.82	126.23
14	l	517	CLA	CAA-C2A-C3A	-3.66	103.11	113.00
17	b	522	BCR	C33-C5-C6	-3.66	120.49	124.48
17	a1	522	BCR	C38-C26-C25	-3.66	120.49	124.48
17	aB	4005	BCR	C20-C21-C22	-3.66	122.15	127.28
17	V	523	BCR	C7-C8-C9	-3.65	120.83	126.23
17	m	523	BCR	C24-C23-C22	-3.65	120.83	126.23
17	aF	4016	BCR	C38-C26-C25	-3.65	120.50	124.48
17	b6	522	BCR	C20-C21-C22	-3.65	122.15	127.28
20	aB	1852	SQD	O7-S-C6	3.65	112.21	106.76
17	a6	523	BCR	C20-C21-C22	-3.65	122.16	127.28
17	cA	4011	BCR	C24-C23-C22	-3.65	120.83	126.23
17	a	524	BCR	C24-C23-C22	-3.65	120.83	126.23
17	bB	4004	BCR	C38-C26-C25	-3.65	120.50	124.48
17	X	522	BCR	C24-C23-C22	-3.65	120.84	126.23
17	a1	524	BCR	C33-C5-C6	-3.65	120.50	124.48
17	cF	4016	BCR	C38-C26-C25	-3.65	120.50	124.48
17	k	524	BCR	C33-C5-C6	-3.65	120.50	124.48
17	h	523	BCR	C7-C8-C9	-3.65	120.84	126.23
20	c2	822	SQD	O47-C7-C8	3.65	119.37	111.48
17	c2	523	BCR	C11-C10-C9	-3.65	122.17	127.28
17	Y	523	BCR	C20-C21-C22	-3.65	122.17	127.28
20	b6	822	SQD	O47-C7-C8	3.64	119.37	111.48
17	b4	523	BCR	C24-C23-C22	-3.64	120.84	126.23
17	b2	523	BCR	C33-C5-C6	-3.64	120.51	124.48
17	k	522	BCR	C3-C4-C5	-3.64	107.56	114.06
17	m	523	BCR	C33-C5-C6	-3.64	120.51	124.48
17	b1	524	BCR	C33-C5-C6	-3.64	120.51	124.48
17	b1	521	BCR	C33-C5-C6	-3.64	120.51	124.48
17	a2	521	BCR	C33-C5-C6	-3.64	120.51	124.48
17	cA	4002	BCR	C7-C8-C9	-3.64	120.85	126.23
17	Z	522	BCR	C3-C4-C5	-3.64	107.57	114.06
17	bJ	4013	BCR	C11-C10-C9	-3.64	122.18	127.28
17	a4	522	BCR	C38-C26-C25	-3.64	120.52	124.48
17	b4	521	BCR	C24-C23-C22	-3.64	120.86	126.23
17	aL	4022	BCR	C33-C5-C6	-3.64	120.52	124.48
17	a4	524	BCR	C7-C8-C9	-3.63	120.86	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	c4	522	BCR	C38-C26-C25	-3.63	120.52	124.48
17	Y	522	BCR	C20-C21-C22	-3.63	122.18	127.28
17	T	522	BCR	C38-C26-C25	-3.63	120.52	124.48
17	f	523	BCR	C33-C5-C6	-3.63	120.52	124.48
17	Z	524	BCR	C33-C5-C6	-3.63	120.52	124.48
17	a4	522	BCR	C16-C17-C18	-3.63	122.19	127.28
17	bA	4002	BCR	C33-C5-C6	-3.63	120.52	124.48
17	aA	4002	BCR	C7-C8-C9	-3.63	120.86	126.23
17	k	521	BCR	C3-C4-C5	-3.63	107.58	114.06
17	g	524	BCR	C20-C21-C22	-3.63	122.19	127.28
17	q	524	BCR	C24-C23-C22	-3.63	120.87	126.23
17	bB	4006	BCR	C11-C10-C9	-3.63	122.19	127.28
17	bL	4022	BCR	C24-C23-C22	-3.63	120.87	126.23
17	p	523	BCR	C7-C8-C9	-3.63	120.87	126.23
17	S	523	BCR	C11-C10-C9	-3.62	122.19	127.28
17	l	523	BCR	C7-C8-C9	-3.62	120.87	126.23
17	a4	523	BCR	C24-C23-C22	-3.62	120.88	126.23
17	b1	524	BCR	C24-C23-C22	-3.62	120.88	126.23
17	aB	4005	BCR	C33-C5-C6	-3.62	120.53	124.48
17	b4	523	BCR	C33-C5-C6	-3.62	120.53	124.48
17	m	521	BCR	C33-C5-C6	-3.62	120.53	124.48
17	m	521	BCR	C3-C4-C5	-3.62	107.60	114.06
17	aM	4021	BCR	C7-C8-C9	-3.62	120.88	126.23
17	T	524	BCR	C24-C23-C22	-3.62	120.88	126.23
17	cK	4001	BCR	C20-C21-C22	-3.62	122.20	127.28
17	X	522	BCR	C7-C8-C9	-3.62	120.88	126.23
17	o	522	BCR	C33-C5-C6	-3.62	120.53	124.48
17	b6	523	BCR	C33-C5-C6	-3.62	120.53	124.48
17	c	524	BCR	C33-C5-C6	-3.62	120.53	124.48
17	V	522	BCR	C24-C23-C22	-3.62	120.88	126.23
17	Z	522	BCR	C24-C23-C22	-3.62	120.88	126.23
17	a3	522	BCR	C28-C27-C26	-3.62	107.60	114.06
17	b3	522	BCR	C38-C26-C25	-3.62	120.54	124.48
17	j	523	BCR	C7-C8-C9	-3.62	120.89	126.23
17	bA	4002	BCR	C7-C8-C9	-3.62	120.89	126.23
17	c2	523	BCR	C33-C5-C6	-3.62	120.54	124.48
17	e	524	BCR	C33-C5-C6	-3.61	120.54	124.48
17	aF	4015	BCR	C24-C23-C22	-3.61	120.89	126.23
17	b4	524	BCR	C38-C26-C25	-3.61	120.54	124.48
17	bF	4016	BCR	C38-C26-C25	-3.61	120.54	124.48
17	b4	522	BCR	C38-C26-C25	-3.61	120.55	124.48
17	j	521	BCR	C33-C5-C6	-3.61	120.55	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	a2	524	BCR	C7-C8-C9	-3.61	120.89	126.23
17	aF	4014	BCR	C33-C5-C6	-3.61	120.55	124.48
17	p	524	BCR	C33-C5-C6	-3.61	120.55	124.48
17	a2	523	BCR	C24-C23-C22	-3.61	120.90	126.23
17	aB	4010	BCR	C7-C8-C9	-3.61	120.90	126.23
17	Z	521	BCR	C33-C5-C6	-3.61	120.55	124.48
17	c4	523	BCR	C24-C23-C22	-3.60	120.90	126.23
20	cB	1852	SQD	O47-C7-C8	3.60	119.28	111.48
17	W	524	BCR	C33-C5-C6	-3.60	120.55	124.48
20	W	822	SQD	O47-C7-C8	3.60	119.28	111.48
14	cB	1209	CLA	O2D-CGD-O1D	-3.60	116.83	123.85
17	U	521	BCR	C33-C5-C6	-3.60	120.56	124.48
17	c2	523	BCR	C7-C8-C9	-3.60	120.91	126.23
17	k	522	BCR	C38-C26-C25	-3.60	120.56	124.48
17	a5	524	BCR	C24-C23-C22	-3.60	120.91	126.23
17	a4	521	BCR	C16-C17-C18	-3.60	122.23	127.28
17	c5	522	BCR	C16-C17-C18	-3.60	122.23	127.28
17	W	521	BCR	C33-C5-C6	-3.60	120.56	124.48
17	e	524	BCR	C24-C23-C22	-3.60	120.91	126.23
17	n	521	BCR	C38-C26-C25	-3.59	120.56	124.48
17	g	524	BCR	C7-C8-C9	-3.59	120.92	126.23
17	a3	524	BCR	C24-C23-C22	-3.59	120.92	126.23
17	aJ	4013	BCR	C11-C10-C9	-3.59	122.24	127.28
17	h	522	BCR	C20-C21-C22	-3.59	122.24	127.28
17	a3	521	BCR	C33-C5-C6	-3.59	120.56	124.48
17	b5	522	BCR	C7-C8-C9	-3.59	120.92	126.23
17	h	523	BCR	C24-C23-C22	-3.59	120.92	126.23
20	f	822	SQD	O47-C7-C8	3.59	119.24	111.48
17	bF	4015	BCR	C24-C23-C22	-3.59	120.93	126.23
17	cF	4016	BCR	C24-C23-C22	-3.59	120.93	126.23
17	W	522	BCR	C7-C8-C9	-3.59	120.93	126.23
17	c4	522	BCR	C33-C5-C6	-3.59	120.57	124.48
17	j	522	BCR	C33-C5-C6	-3.59	120.57	124.48
17	p	522	BCR	C38-C26-C25	-3.59	120.57	124.48
20	cB	1852	SQD	O5-C5-C4	3.59	116.16	109.70
17	c6	522	BCR	C20-C21-C22	-3.59	122.25	127.28
17	cB	4005	BCR	C7-C8-C9	-3.58	120.93	126.23
17	a2	523	BCR	C11-C10-C9	-3.58	122.25	127.28
17	c1	524	BCR	C33-C5-C6	-3.58	120.57	124.48
17	c5	523	BCR	C33-C5-C6	-3.58	120.58	124.48
20	Y	822	SQD	O47-C7-C8	3.58	119.23	111.48
17	g	524	BCR	C33-C5-C6	-3.58	120.58	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	b6	524	BCR	C3-C4-C5	-3.58	107.68	114.06
17	p	522	BCR	C33-C5-C6	-3.57	120.58	124.48
17	bB	4017	BCR	C15-C14-C13	-3.57	122.27	127.28
17	V	521	BCR	C24-C23-C22	-3.57	120.95	126.23
17	a6	522	BCR	C20-C21-C22	-3.57	122.27	127.28
17	p	523	BCR	C33-C5-C6	-3.57	120.59	124.48
17	c6	522	BCR	C16-C17-C18	-3.57	122.27	127.28
17	aB	4004	BCR	C11-C10-C9	-3.57	122.27	127.28
14	bB	1209	CLA	O2D-CGD-O1D	-3.57	116.90	123.85
17	T	521	BCR	C3-C4-C5	-3.57	107.69	114.06
17	q	522	BCR	C20-C21-C22	-3.57	122.27	127.28
17	a6	523	BCR	C33-C5-C6	-3.57	120.59	124.48
17	i	521	BCR	C38-C26-C25	-3.57	120.59	124.48
17	o	524	BCR	C38-C26-C25	-3.57	120.59	124.48
17	a1	524	BCR	C3-C4-C5	-3.57	107.70	114.06
17	bI	4018	BCR	C16-C17-C18	-3.57	122.28	127.28
17	b3	521	BCR	C33-C5-C6	-3.57	120.59	124.48
17	aB	4010	BCR	C16-C17-C18	-3.56	122.28	127.28
17	e	521	BCR	C3-C4-C5	-3.56	107.70	114.06
17	V	524	BCR	C33-C5-C6	-3.56	120.59	124.48
17	i	522	BCR	C16-C17-C18	-3.56	122.28	127.28
17	d	521	BCR	C3-C4-C5	-3.56	107.70	114.06
17	h	522	BCR	C3-C4-C5	-3.56	107.70	114.06
17	c3	522	BCR	C38-C26-C25	-3.56	120.60	124.48
14	bJ	1303	CLA	C1-C2-C3	3.56	132.03	126.20
17	b	524	BCR	C33-C5-C6	-3.56	120.60	124.48
17	bF	4016	BCR	C33-C5-C6	-3.56	120.60	124.48
20	a3	822	SQD	O47-C7-C8	3.55	119.17	111.48
17	d	524	BCR	C33-C5-C6	-3.55	120.61	124.48
17	aI	4019	BCR	C7-C8-C9	-3.55	120.98	126.23
17	cA	4011	BCR	C11-C10-C9	-3.55	122.30	127.28
17	c5	523	BCR	C7-C8-C9	-3.55	120.99	126.23
17	b4	522	BCR	C33-C5-C6	-3.55	120.61	124.48
17	cF	4016	BCR	C33-C5-C6	-3.55	120.61	124.48
17	T	521	BCR	C33-C5-C6	-3.55	120.61	124.48
17	b3	521	BCR	C28-C27-C26	-3.55	107.73	114.06
17	g	523	BCR	C7-C8-C9	-3.55	120.99	126.23
17	bF	4014	BCR	C33-C5-C6	-3.54	120.62	124.48
17	i	522	BCR	C20-C21-C22	-3.54	122.31	127.28
17	o	523	BCR	C11-C10-C9	-3.54	122.31	127.28
17	Y	522	BCR	C24-C23-C22	-3.54	121.00	126.23
17	cF	4014	BCR	C33-C5-C6	-3.54	120.62	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	o	521	BCR	C38-C26-C25	-3.54	120.62	124.48
17	o	522	BCR	C3-C4-C5	-3.54	107.75	114.06
17	c1	524	BCR	C24-C23-C22	-3.54	121.00	126.23
17	cL	4022	BCR	C33-C5-C6	-3.54	120.62	124.48
14	aB	1209	CLA	O2D-CGD-O1D	-3.54	116.96	123.85
17	a1	521	BCR	C33-C5-C6	-3.54	120.62	124.48
17	Z	521	BCR	C7-C8-C9	-3.54	121.00	126.23
17	b5	522	BCR	C38-C26-C25	-3.54	120.62	124.48
17	U	522	BCR	C3-C4-C5	-3.54	107.75	114.06
17	a4	524	BCR	C24-C23-C22	-3.54	121.00	126.23
17	a4	522	BCR	C33-C5-C6	-3.54	120.63	124.48
17	b3	523	BCR	C7-C8-C9	-3.54	121.00	126.23
17	Y	524	BCR	C7-C8-C9	-3.53	121.01	126.23
17	b2	522	BCR	C38-C26-C25	-3.53	120.63	124.48
17	j	523	BCR	C38-C26-C25	-3.53	120.63	124.48
17	c4	521	BCR	C38-C26-C25	-3.53	120.63	124.48
17	n	523	BCR	C11-C10-C9	-3.53	122.33	127.28
20	b4	822	SQD	O7-S-C6	3.53	112.02	106.76
17	g	522	BCR	C20-C21-C22	-3.53	122.33	127.28
17	c1	524	BCR	C7-C8-C9	-3.53	121.02	126.23
17	q	521	BCR	C38-C26-C25	-3.53	120.64	124.48
17	l	524	BCR	C38-C26-C25	-3.52	120.64	124.48
17	o	522	BCR	C20-C21-C22	-3.52	122.33	127.28
17	a5	522	BCR	C7-C8-C9	-3.52	121.02	126.23
17	bA	4003	BCR	C3-C4-C5	-3.52	107.77	114.06
17	c5	522	BCR	C3-C4-C5	-3.52	107.77	114.06
20	c5	822	SQD	O47-C7-C8	3.52	119.10	111.48
17	g	522	BCR	C24-C23-C22	-3.52	121.03	126.23
17	p	523	BCR	C24-C23-C22	-3.52	121.03	126.23
17	b4	523	BCR	C11-C10-C9	-3.52	122.34	127.28
17	c6	521	BCR	C38-C26-C25	-3.52	120.64	124.48
17	k	524	BCR	C38-C26-C25	-3.52	120.64	124.48
20	q	822	SQD	O7-S-C6	3.52	112.01	106.76
17	b1	521	BCR	C28-C27-C26	-3.52	107.78	114.06
17	bM	4021	BCR	C15-C14-C13	-3.52	122.34	127.28
17	aB	4006	BCR	C11-C10-C9	-3.52	122.34	127.28
17	a2	523	BCR	C33-C5-C6	-3.52	120.65	124.48
17	c6	524	BCR	C24-C23-C22	-3.52	121.03	126.23
17	f	522	BCR	C24-C23-C22	-3.52	121.03	126.23
17	a	521	BCR	C3-C4-C5	-3.52	107.79	114.06
17	cI	4019	BCR	C7-C8-C9	-3.51	121.03	126.23
17	U	522	BCR	C33-C5-C6	-3.51	120.65	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	V	523	BCR	C24-C23-C22	-3.51	121.04	126.23
17	bA	4003	BCR	C38-C26-C25	-3.51	120.65	124.48
17	c3	524	BCR	C3-C4-C5	-3.51	107.79	114.06
17	a5	521	BCR	C38-C26-C25	-3.51	120.65	124.48
17	a1	523	BCR	C20-C21-C22	-3.51	122.35	127.28
17	cA	4003	BCR	C3-C4-C5	-3.51	107.80	114.06
17	c5	522	BCR	C28-C27-C26	-3.51	107.80	114.06
17	bF	4015	BCR	C38-C26-C25	-3.51	120.65	124.48
17	Z	521	BCR	C3-C4-C5	-3.51	107.80	114.06
17	b3	524	BCR	C7-C8-C9	-3.51	121.04	126.23
20	bB	1852	SQD	O7-S-C6	3.51	112.00	106.76
14	a1	516	CLA	O2D-CGD-O1D	-3.51	117.02	123.85
17	c	522	BCR	C3-C4-C5	-3.51	107.80	114.06
17	g	521	BCR	C3-C4-C5	-3.51	107.80	114.06
17	a3	521	BCR	C3-C4-C5	-3.51	107.80	114.06
17	Y	521	BCR	C3-C4-C5	-3.51	107.80	114.06
17	cB	4017	BCR	C7-C8-C9	-3.51	121.05	126.23
17	bK	4001	BCR	C20-C21-C22	-3.51	122.36	127.28
17	c1	522	BCR	C16-C17-C18	-3.51	122.36	127.28
17	cA	4011	BCR	C28-C27-C26	-3.50	107.81	114.06
17	aL	4022	BCR	C20-C21-C22	-3.50	122.36	127.28
17	Z	524	BCR	C38-C26-C25	-3.50	120.66	124.48
17	o	524	BCR	C33-C5-C6	-3.50	120.66	124.48
17	a6	521	BCR	C33-C5-C6	-3.50	120.66	124.48
17	c3	522	BCR	C33-C5-C6	-3.50	120.66	124.48
17	a3	524	BCR	C7-C8-C9	-3.50	121.06	126.23
17	f	523	BCR	C20-C21-C22	-3.50	122.37	127.28
17	c4	524	BCR	C24-C23-C22	-3.50	121.06	126.23
17	Y	521	BCR	C7-C8-C9	-3.50	121.06	126.23
17	a3	521	BCR	C28-C27-C26	-3.50	107.82	114.06
17	aA	4003	BCR	C3-C4-C5	-3.50	107.82	114.06
17	a1	522	BCR	C20-C21-C22	-3.50	122.38	127.28
17	c5	523	BCR	C24-C23-C22	-3.49	121.07	126.23
17	bB	4005	BCR	C7-C8-C9	-3.49	121.07	126.23
17	p	521	BCR	C28-C27-C26	-3.49	107.83	114.06
17	a3	523	BCR	C16-C17-C18	-3.49	122.38	127.28
17	a4	523	BCR	C38-C26-C25	-3.49	120.67	124.48
17	cB	4010	BCR	C7-C8-C9	-3.49	121.07	126.23
17	a6	524	BCR	C33-C5-C6	-3.49	120.67	124.48
17	cA	4002	BCR	C24-C23-C22	-3.49	121.07	126.23
17	o	524	BCR	C3-C4-C5	-3.49	107.83	114.06
17	c2	524	BCR	C3-C4-C5	-3.49	107.83	114.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	aM	4021	BCR	C15-C14-C13	-3.49	122.39	127.28
17	bA	4011	BCR	C11-C10-C9	-3.49	122.39	127.28
17	c1	521	BCR	C3-C4-C5	-3.49	107.84	114.06
17	bB	4004	BCR	C7-C8-C9	-3.49	121.08	126.23
17	cA	4003	BCR	C38-C26-C25	-3.49	120.68	124.48
20	aB	1852	SQD	O47-C7-C8	3.49	119.02	111.48
17	aK	4001	BCR	C15-C14-C13	-3.49	122.39	127.28
17	bB	4006	BCR	C20-C21-C22	-3.49	122.39	127.28
17	S	522	BCR	C24-C23-C22	-3.49	121.08	126.23
17	e	522	BCR	C3-C4-C5	-3.48	107.84	114.06
20	n	822	SQD	O7-S-C6	3.48	111.96	106.76
17	a6	522	BCR	C7-C8-C9	-3.48	121.08	126.23
17	c6	523	BCR	C38-C26-C25	-3.48	120.68	124.48
17	cB	4006	BCR	C11-C10-C9	-3.48	122.39	127.28
17	W	524	BCR	C7-C8-C9	-3.48	121.08	126.23
17	c2	522	BCR	C20-C21-C22	-3.48	122.39	127.28
20	cB	1852	SQD	O7-S-C6	3.48	111.95	106.76
17	cK	4001	BCR	C16-C15-C14	-3.48	116.40	123.52
17	a3	522	BCR	C38-C26-C25	-3.48	120.69	124.48
17	i	523	BCR	C7-C8-C9	-3.48	121.09	126.23
17	c6	522	BCR	C7-C8-C9	-3.48	121.09	126.23
17	a1	521	BCR	C28-C27-C26	-3.48	107.86	114.06
17	a1	524	BCR	C20-C21-C22	-3.47	122.41	127.28
17	d	523	BCR	C16-C17-C18	-3.47	122.41	127.28
17	cB	4010	BCR	C16-C17-C18	-3.47	122.41	127.28
17	q	521	BCR	C3-C4-C5	-3.47	107.86	114.06
17	b6	521	BCR	C38-C26-C25	-3.47	120.70	124.48
17	S	524	BCR	C24-C23-C22	-3.47	121.10	126.23
20	bB	1852	SQD	O5-C5-C4	3.47	115.95	109.70
17	c6	521	BCR	C33-C5-C6	-3.47	120.70	124.48
17	Z	523	BCR	C11-C10-C9	-3.47	122.42	127.28
17	b1	523	BCR	C33-C5-C6	-3.46	120.70	124.48
17	T	521	BCR	C38-C26-C25	-3.46	120.70	124.48
17	a6	524	BCR	C3-C4-C5	-3.46	107.88	114.06
17	aF	4016	BCR	C24-C23-C22	-3.46	121.11	126.23
20	Y	822	SQD	O5-C5-C4	3.46	115.94	109.70
17	aJ	4012	BCR	C20-C21-C22	-3.46	122.42	127.28
17	c1	524	BCR	C3-C4-C5	-3.46	107.89	114.06
17	a5	523	BCR	C33-C5-C6	-3.46	120.71	124.48
17	bB	4017	BCR	C7-C8-C9	-3.46	121.12	126.23
17	c	522	BCR	C24-C23-C22	-3.46	121.12	126.23
17	m	521	BCR	C28-C27-C26	-3.46	107.89	114.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	f	524	BCR	C7-C8-C9	-3.46	121.12	126.23
20	X	822	SQD	O47-C7-C8	3.46	118.96	111.48
17	g	522	BCR	C33-C5-C6	-3.46	120.71	124.48
17	b2	521	BCR	C28-C27-C26	-3.45	107.90	114.06
17	W	521	BCR	C28-C27-C26	-3.45	107.90	114.06
17	c3	521	BCR	C33-C5-C6	-3.45	120.72	124.48
17	b1	524	BCR	C3-C4-C5	-3.45	107.90	114.06
17	c2	524	BCR	C20-C21-C22	-3.45	122.44	127.28
17	bL	4022	BCR	C3-C4-C5	-3.45	107.90	114.06
17	aA	4003	BCR	C38-C26-C25	-3.45	120.72	124.48
20	Y	822	SQD	O6-C1-C2	3.45	113.51	108.27
17	a	524	BCR	C38-C26-C25	-3.45	120.72	124.48
17	m	523	BCR	C38-C26-C25	-3.45	120.72	124.48
14	T	516	CLA	O2D-CGD-O1D	-3.45	117.14	123.85
17	T	524	BCR	C3-C4-C5	-3.45	107.91	114.06
17	bB	4010	BCR	C16-C17-C18	-3.45	122.44	127.28
17	l	522	BCR	C28-C27-C26	-3.45	107.91	114.06
17	X	523	BCR	C24-C23-C22	-3.45	121.14	126.23
17	b6	521	BCR	C33-C5-C6	-3.44	120.73	124.48
17	c5	521	BCR	C28-C27-C26	-3.44	107.92	114.06
17	b3	521	BCR	C3-C4-C5	-3.44	107.92	114.06
17	V	522	BCR	C16-C17-C18	-3.44	122.45	127.28
17	aL	4022	BCR	C28-C27-C26	-3.44	107.93	114.06
17	bA	4002	BCR	C24-C23-C22	-3.44	121.15	126.23
17	U	523	BCR	C33-C5-C6	-3.44	120.73	124.48
17	c1	523	BCR	C33-C5-C6	-3.43	120.74	124.48
17	h	523	BCR	C33-C5-C6	-3.43	120.74	124.48
17	b3	522	BCR	C24-C23-C22	-3.43	121.16	126.23
17	aL	4022	BCR	C24-C23-C22	-3.43	121.16	126.23
17	l	523	BCR	C33-C5-C6	-3.43	120.74	124.48
17	Z	524	BCR	C3-C4-C5	-3.43	107.94	114.06
17	aF	4015	BCR	C38-C26-C25	-3.43	120.74	124.48
17	j	521	BCR	C3-C4-C5	-3.43	107.94	114.06
17	c3	521	BCR	C3-C4-C5	-3.43	107.94	114.06
17	b2	524	BCR	C3-C4-C5	-3.43	107.95	114.06
17	cL	4022	BCR	C3-C4-C5	-3.42	107.95	114.06
17	c3	521	BCR	C28-C27-C26	-3.42	107.95	114.06
17	b	522	BCR	C28-C27-C26	-3.42	107.95	114.06
17	c1	523	BCR	C7-C8-C9	-3.42	121.17	126.23
17	c	523	BCR	C24-C23-C22	-3.42	121.17	126.23
17	a2	522	BCR	C20-C21-C22	-3.42	122.48	127.28
17	b	522	BCR	C15-C16-C17	-3.42	116.53	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	X	521	BCR	C3-C4-C5	-3.42	107.97	114.06
17	X	521	BCR	C28-C27-C26	-3.42	107.97	114.06
17	a4	521	BCR	C7-C8-C9	-3.41	121.18	126.23
17	Y	523	BCR	C11-C10-C9	-3.41	122.49	127.28
17	b3	524	BCR	C3-C4-C5	-3.41	107.97	114.06
17	b5	523	BCR	C24-C23-C22	-3.41	121.19	126.23
17	h	521	BCR	C3-C4-C5	-3.41	107.97	114.06
17	a1	521	BCR	C3-C4-C5	-3.41	107.97	114.06
17	a3	523	BCR	C38-C26-C25	-3.41	120.76	124.48
17	b1	521	BCR	C3-C4-C5	-3.41	107.97	114.06
17	a	522	BCR	C33-C5-C6	-3.41	120.76	124.48
17	h	524	BCR	C38-C26-C25	-3.41	120.76	124.48
20	i	822	SQD	O47-C7-C8	3.41	118.86	111.48
17	c5	524	BCR	C3-C4-C5	-3.41	107.98	114.06
17	a	522	BCR	C24-C23-C22	-3.41	121.19	126.23
17	bB	4010	BCR	C3-C4-C5	-3.41	107.98	114.06
17	g	521	BCR	C28-C27-C26	-3.41	107.98	114.06
19	bB	1843	LMU	C1B-O1B-C4'	-3.41	109.90	117.98
20	a4	822	SQD	O47-C7-C8	3.40	118.85	111.48
17	a5	523	BCR	C20-C21-C22	-3.40	122.50	127.28
17	b1	523	BCR	C24-C23-C22	-3.40	121.20	126.23
17	aM	4021	BCR	C11-C10-C9	-3.40	122.50	127.28
17	Y	524	BCR	C24-C23-C22	-3.40	121.20	126.23
17	b	523	BCR	C24-C23-C22	-3.40	121.21	126.23
17	a2	521	BCR	C3-C4-C5	-3.40	108.00	114.06
17	W	524	BCR	C3-C4-C5	-3.40	108.00	114.06
17	c4	522	BCR	C24-C23-C22	-3.40	121.21	126.23
17	h	522	BCR	C24-C23-C22	-3.40	121.21	126.23
17	a2	522	BCR	C24-C23-C22	-3.40	121.21	126.23
17	h	521	BCR	C38-C26-C25	-3.39	120.78	124.48
17	bB	4017	BCR	C28-C27-C26	-3.39	108.01	114.06
17	c2	524	BCR	C24-C23-C22	-3.39	121.22	126.23
17	b5	521	BCR	C38-C26-C25	-3.39	120.78	124.48
20	Z	822	SQD	O9-S-C6	3.39	111.82	106.76
17	c2	521	BCR	C28-C27-C26	-3.39	108.01	114.06
17	a2	521	BCR	C28-C27-C26	-3.39	108.01	114.06
17	aL	4022	BCR	C3-C4-C5	-3.39	108.01	114.06
17	b5	524	BCR	C3-C4-C5	-3.39	108.02	114.06
17	W	521	BCR	C3-C4-C5	-3.39	108.02	114.06
17	b	524	BCR	C3-C4-C5	-3.39	108.02	114.06
17	m	521	BCR	C38-C26-C25	-3.39	120.79	124.48
17	e	523	BCR	C7-C8-C9	-3.39	121.23	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	X	522	BCR	C20-C21-C22	-3.38	122.53	127.28
17	b5	523	BCR	C38-C26-C25	-3.38	120.79	124.48
17	S	521	BCR	C38-C26-C25	-3.38	120.79	124.48
17	b5	523	BCR	C11-C10-C9	-3.38	122.53	127.28
17	k	524	BCR	C24-C23-C22	-3.38	121.23	126.23
17	aI	4020	BCR	C11-C10-C9	-3.38	122.54	127.28
17	bA	4011	BCR	C28-C27-C26	-3.38	108.03	114.06
17	bL	4022	BCR	C33-C5-C6	-3.38	120.80	124.48
17	aJ	4013	BCR	C23-C24-C25	-3.38	117.97	127.00
17	cB	4017	BCR	C28-C27-C26	-3.38	108.03	114.06
17	S	521	BCR	C28-C27-C26	-3.38	108.03	114.06
17	a3	524	BCR	C3-C4-C5	-3.37	108.04	114.06
17	b5	521	BCR	C28-C27-C26	-3.37	108.04	114.06
17	aB	4017	BCR	C28-C27-C26	-3.37	108.04	114.06
17	U	521	BCR	C3-C4-C5	-3.37	108.04	114.06
20	c	822	SQD	O7-S-C6	3.37	111.79	106.76
17	cB	4006	BCR	C38-C26-C25	-3.37	120.80	124.48
17	X	523	BCR	C33-C5-C6	-3.37	120.80	124.48
17	a6	521	BCR	C28-C27-C26	-3.37	108.04	114.06
17	aA	4002	BCR	C24-C23-C22	-3.37	121.25	126.23
20	b	822	SQD	O9-S-C6	3.37	111.79	106.76
17	S	522	BCR	C28-C27-C26	-3.37	108.05	114.06
20	a6	822	SQD	O7-S-C6	3.37	111.78	106.76
17	m	524	BCR	C38-C26-C25	-3.37	120.81	124.48
14	T	517	CLA	O2D-CGD-O1D	-3.37	117.29	123.85
20	b1	822	SQD	O7-S-C6	3.36	111.78	106.76
20	n	822	SQD	O47-C7-C8	3.36	118.76	111.48
17	aB	4017	BCR	C7-C8-C9	-3.36	121.26	126.23
17	l	522	BCR	C3-C4-C5	-3.36	108.06	114.06
17	aB	4004	BCR	C7-C8-C9	-3.36	121.27	126.23
17	c2	522	BCR	C3-C4-C5	-3.36	108.07	114.06
17	m	523	BCR	C7-C8-C9	-3.36	121.27	126.23
17	W	522	BCR	C20-C21-C22	-3.36	122.57	127.28
17	c1	522	BCR	C24-C23-C22	-3.36	121.27	126.23
20	e	822	SQD	O7-S-C6	3.36	111.77	106.76
17	c6	524	BCR	C3-C4-C5	-3.36	108.07	114.06
17	aB	4005	BCR	C7-C8-C9	-3.36	121.27	126.23
17	cL	4022	BCR	C28-C27-C26	-3.35	108.07	114.06
17	Y	521	BCR	C38-C26-C25	-3.35	120.83	124.48
17	q	523	BCR	C24-C23-C22	-3.35	121.28	126.23
17	V	521	BCR	C28-C27-C26	-3.35	108.08	114.06
17	k	523	BCR	C11-C10-C9	-3.35	122.58	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	a4	522	BCR	C20-C21-C22	-3.35	122.58	127.28
15	aA	2001	PQN	C14-C13-C15	-3.35	109.41	115.23
17	g	524	BCR	C3-C4-C5	-3.35	108.08	114.06
17	a6	524	BCR	C7-C8-C9	-3.35	121.28	126.23
17	cJ	4013	BCR	C23-C24-C25	-3.35	118.06	127.00
17	U	521	BCR	C28-C27-C26	-3.35	108.09	114.06
17	l	522	BCR	C33-C5-C6	-3.35	120.83	124.48
20	p	822	SQD	O7-S-C6	3.34	111.75	106.76
20	f	822	SQD	O7-S-C6	3.34	111.75	106.76
17	Y	522	BCR	C3-C4-C5	-3.34	108.09	114.06
17	b6	521	BCR	C3-C4-C5	-3.34	108.09	114.06
17	k	524	BCR	C7-C8-C9	-3.34	121.29	126.23
20	a1	822	SQD	O7-S-C6	3.34	111.75	106.76
20	T	822	SQD	O47-C7-C8	3.34	118.71	111.48
20	c2	822	SQD	O7-S-C6	3.34	111.74	106.76
17	U	524	BCR	C3-C4-C5	-3.34	108.10	114.06
17	d	524	BCR	C3-C4-C5	-3.34	108.10	114.06
17	Y	524	BCR	C3-C4-C5	-3.34	108.10	114.06
17	bI	4018	BCR	C30-C25-C26	-3.34	118.07	122.64
17	b3	523	BCR	C38-C26-C25	-3.34	120.84	124.48
20	c4	822	SQD	O7-S-C6	3.34	111.74	106.76
20	b	822	SQD	O7-S-C6	3.34	111.74	106.76
17	a6	521	BCR	C3-C4-C5	-3.34	108.11	114.06
17	b2	522	BCR	C3-C4-C5	-3.33	108.11	114.06
17	T	521	BCR	C28-C27-C26	-3.33	108.11	114.06
17	j	522	BCR	C28-C27-C26	-3.33	108.11	114.06
17	k	521	BCR	C28-C27-C26	-3.33	108.11	114.06
20	h	822	SQD	O7-S-C6	3.33	111.73	106.76
17	q	524	BCR	C3-C4-C5	-3.33	108.12	114.06
14	cJ	1302	CLA	O2D-CGD-O1D	-3.33	117.36	123.85
15	cA	2001	PQN	C14-C13-C15	-3.33	109.45	115.23
17	X	524	BCR	C3-C4-C5	-3.33	108.12	114.06
17	b2	521	BCR	C3-C4-C5	-3.33	108.12	114.06
17	c6	523	BCR	C1-C6-C5	-3.33	118.09	122.64
17	bJ	4012	BCR	C28-C27-C26	-3.33	108.12	114.06
17	bM	4021	BCR	C28-C27-C26	-3.33	108.12	114.06
17	c4	523	BCR	C4-C5-C6	-3.33	118.21	122.70
17	b3	522	BCR	C33-C5-C6	-3.33	120.85	124.48
17	j	521	BCR	C28-C27-C26	-3.33	108.12	114.06
17	d	522	BCR	C24-C23-C22	-3.33	121.31	126.23
20	a3	822	SQD	O9-S-C6	3.33	111.72	106.76
17	aA	4011	BCR	C11-C10-C9	-3.32	122.61	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	c5	522	BCR	C38-C26-C25	-3.32	120.86	124.48
17	T	522	BCR	C3-C4-C5	-3.32	108.13	114.06
20	W	822	SQD	O7-S-C6	3.32	111.72	106.76
20	i	822	SQD	O7-S-C6	3.32	111.72	106.76
17	Y	522	BCR	C28-C27-C26	-3.32	108.13	114.06
20	c1	822	SQD	O9-S-C6	3.32	111.71	106.76
17	a4	521	BCR	C28-C27-C26	-3.32	108.14	114.06
17	b5	522	BCR	C3-C4-C5	-3.32	108.14	114.06
19	cB	1843	LMU	C1B-O1B-C4'	-3.32	110.11	117.98
17	W	522	BCR	C16-C17-C18	-3.32	122.62	127.28
17	c3	522	BCR	C28-C27-C26	-3.32	108.14	114.06
17	X	521	BCR	C38-C26-C25	-3.32	120.87	124.48
17	d	522	BCR	C3-C4-C5	-3.31	108.15	114.06
20	b3	822	SQD	O7-S-C6	3.31	111.70	106.76
17	a1	522	BCR	C16-C17-C18	-3.31	122.63	127.28
17	d	521	BCR	C28-C27-C26	-3.31	108.15	114.06
20	b	822	SQD	O47-C7-C8	3.31	118.64	111.48
20	c3	822	SQD	O7-S-C6	3.31	111.70	106.76
17	aB	4010	BCR	C3-C4-C5	-3.31	108.15	114.06
17	c5	521	BCR	C3-C4-C5	-3.31	108.15	114.06
17	W	523	BCR	C16-C17-C18	-3.31	122.64	127.28
17	X	522	BCR	C3-C4-C5	-3.31	108.16	114.06
17	b2	523	BCR	C24-C23-C22	-3.31	121.34	126.23
20	c5	822	SQD	O7-S-C6	3.31	111.69	106.76
17	T	523	BCR	C7-C8-C9	-3.31	121.34	126.23
17	a6	522	BCR	C3-C4-C5	-3.31	108.16	114.06
17	a6	522	BCR	C24-C23-C22	-3.31	121.34	126.23
17	a6	523	BCR	C24-C23-C22	-3.30	121.35	126.23
20	X	822	SQD	O9-S-C6	3.30	111.69	106.76
17	c4	524	BCR	C38-C26-C25	-3.30	120.88	124.48
17	aB	4009	BCR	C7-C8-C9	-3.30	121.35	126.23
17	Z	521	BCR	C28-C27-C26	-3.30	108.17	114.06
17	a2	522	BCR	C3-C4-C5	-3.30	108.17	114.06
20	b1	822	SQD	O47-C7-C8	3.30	118.62	111.48
17	bI	4019	BCR	C33-C5-C6	-3.30	120.89	124.48
15	bA	2001	PQN	C14-C13-C15	-3.30	109.51	115.23
17	n	522	BCR	C33-C5-C6	-3.29	120.89	124.48
17	g	523	BCR	C33-C5-C6	-3.29	120.89	124.48
17	Y	522	BCR	C16-C17-C18	-3.29	122.66	127.28
15	cB	2002	PQN	C14-C13-C15	-3.29	109.52	115.23
17	c	524	BCR	C3-C4-C5	-3.29	108.19	114.06
17	a2	523	BCR	C7-C8-C9	-3.29	121.37	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	b4	524	BCR	C24-C23-C22	-3.29	121.37	126.23
17	a5	522	BCR	C3-C4-C5	-3.29	108.20	114.06
17	X	524	BCR	C38-C26-C25	-3.29	120.90	124.48
17	a	524	BCR	C3-C4-C5	-3.28	108.20	114.06
17	b	521	BCR	C28-C27-C26	-3.28	108.20	114.06
17	a3	522	BCR	C20-C21-C22	-3.28	122.67	127.28
17	h	522	BCR	C16-C17-C18	-3.28	122.67	127.28
17	cK	4001	BCR	C28-C27-C26	-3.28	108.20	114.06
17	X	524	BCR	C7-C8-C9	-3.28	121.38	126.23
17	c2	522	BCR	C16-C17-C18	-3.28	122.68	127.28
17	bB	4006	BCR	C38-C26-C25	-3.28	120.90	124.48
17	c4	521	BCR	C3-C4-C5	-3.28	108.21	114.06
17	a	521	BCR	C28-C27-C26	-3.28	108.21	114.06
17	V	522	BCR	C3-C4-C5	-3.28	108.21	114.06
17	c6	521	BCR	C3-C4-C5	-3.28	108.21	114.06
17	a4	522	BCR	C24-C23-C22	-3.28	121.39	126.23
17	a	523	BCR	C33-C5-C6	-3.28	120.91	124.48
17	i	524	BCR	C38-C26-C25	-3.28	120.91	124.48
17	T	522	BCR	C28-C27-C26	-3.28	108.21	114.06
17	i	524	BCR	C3-C4-C5	-3.28	108.21	114.06
17	b6	522	BCR	C3-C4-C5	-3.27	108.22	114.06
17	S	524	BCR	C3-C4-C5	-3.27	108.22	114.06
17	aK	4001	BCR	C28-C27-C26	-3.27	108.22	114.06
17	aJ	4012	BCR	C28-C27-C26	-3.27	108.22	114.06
17	c3	524	BCR	C8-C7-C6	-3.27	118.26	127.00
17	b1	524	BCR	C7-C8-C9	-3.27	121.40	126.23
17	bB	4006	BCR	C3-C4-C5	-3.27	108.22	114.06
17	n	524	BCR	C38-C26-C25	-3.27	120.92	124.48
17	b	521	BCR	C3-C4-C5	-3.27	108.23	114.06
17	l	521	BCR	C3-C4-C5	-3.27	108.23	114.06
20	c6	822	SQD	O7-S-C6	3.27	111.63	106.76
20	a5	822	SQD	O7-S-C6	3.27	111.63	106.76
17	a1	521	BCR	C38-C26-C25	-3.27	120.92	124.48
17	cJ	4012	BCR	C38-C26-C25	-3.27	120.92	124.48
17	h	524	BCR	C7-C8-C9	-3.26	121.41	126.23
17	c	523	BCR	C7-C8-C9	-3.26	121.41	126.23
17	cJ	4012	BCR	C28-C27-C26	-3.26	108.24	114.06
17	j	524	BCR	C3-C4-C5	-3.26	108.24	114.06
17	a3	522	BCR	C24-C23-C22	-3.26	121.41	126.23
17	bK	4001	BCR	C28-C27-C26	-3.26	108.24	114.06
17	b1	522	BCR	C16-C17-C18	-3.26	122.70	127.28
20	m	822	SQD	O47-C7-C8	3.26	118.54	111.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	aA	4008	BCR	C7-C8-C9	-3.26	121.41	126.23
17	aA	4011	BCR	C28-C27-C26	-3.26	108.24	114.06
20	d	822	SQD	O7-S-C6	3.26	111.62	106.76
17	Y	521	BCR	C28-C27-C26	-3.26	108.24	114.06
17	bA	4003	BCR	C24-C23-C22	-3.26	121.41	126.23
17	aJ	4012	BCR	C24-C23-C22	-3.26	121.41	126.23
17	a4	524	BCR	C38-C26-C25	-3.26	120.93	124.48
17	cB	4010	BCR	C3-C4-C5	-3.26	108.25	114.06
17	cI	4018	BCR	C30-C25-C26	-3.26	118.18	122.64
17	m	524	BCR	C3-C4-C5	-3.26	108.25	114.06
17	bI	521	BCR	C38-C26-C25	-3.26	120.93	124.48
17	aM	4021	BCR	C28-C27-C26	-3.26	108.25	114.06
17	a4	521	BCR	C3-C4-C5	-3.26	108.25	114.06
17	S	522	BCR	C16-C17-C18	-3.26	122.71	127.28
17	d	523	BCR	C38-C26-C25	-3.26	120.93	124.48
17	c4	524	BCR	C7-C8-C9	-3.25	121.42	126.23
17	U	521	BCR	C38-C26-C25	-3.25	120.93	124.48
17	f	524	BCR	C3-C4-C5	-3.25	108.25	114.06
20	b6	822	SQD	O7-S-C6	3.25	111.61	106.76
20	g	822	SQD	O9-S-C6	3.25	111.61	106.76
17	a2	522	BCR	C15-C16-C17	-3.25	116.86	123.52
14	b3	517	CLA	O2D-CGD-O1D	-3.25	117.52	123.85
17	cB	4006	BCR	C3-C4-C5	-3.25	108.26	114.06
17	bI	4020	BCR	C11-C10-C9	-3.25	122.72	127.28
17	aI	522	BCR	C24-C23-C22	-3.25	121.42	126.23
17	c6	522	BCR	C24-C23-C22	-3.25	121.42	126.23
17	q	522	BCR	C24-C23-C22	-3.25	121.42	126.23
20	m	822	SQD	O7-S-C6	3.25	111.61	106.76
17	aJ	4013	BCR	C20-C19-C18	-3.25	117.46	126.36
20	aI	822	SQD	O47-C7-C8	3.25	118.51	111.48
17	cB	4006	BCR	C20-C21-C22	-3.25	122.73	127.28
17	aB	4006	BCR	C20-C21-C22	-3.24	122.73	127.28
17	o	523	BCR	C33-C5-C6	-3.24	120.95	124.48
17	b3	524	BCR	C38-C26-C25	-3.24	120.95	124.48
20	a2	822	SQD	O7-S-C6	3.24	111.59	106.76
20	cI	822	SQD	O7-S-C6	3.24	111.59	106.76
17	b2	522	BCR	C28-C27-C26	-3.24	108.28	114.06
17	k	521	BCR	C38-C26-C25	-3.24	120.95	124.48
17	a5	521	BCR	C28-C27-C26	-3.24	108.28	114.06
17	c	524	BCR	C24-C23-C22	-3.24	121.45	126.23
20	a4	822	SQD	O7-S-C6	3.24	111.59	106.76
17	bJ	4013	BCR	C23-C24-C25	-3.24	118.36	127.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
15	aB	2002	PQN	C14-C13-C15	-3.23	109.61	115.23
17	a1	522	BCR	C28-C27-C26	-3.23	108.29	114.06
17	e	524	BCR	C3-C4-C5	-3.23	108.29	114.06
17	aF	4014	BCR	C15-C14-C13	-3.23	122.75	127.28
17	cM	4021	BCR	C20-C19-C18	-3.23	117.50	126.36
17	g	521	BCR	C38-C26-C25	-3.23	120.96	124.48
17	f	523	BCR	C24-C23-C22	-3.23	121.46	126.23
17	cA	4008	BCR	C7-C8-C9	-3.23	121.46	126.23
20	V	822	SQD	O7-S-C6	3.23	111.58	106.76
17	bJ	4012	BCR	C20-C21-C22	-3.23	122.75	127.28
17	c4	521	BCR	C28-C27-C26	-3.23	108.30	114.06
17	f	522	BCR	C3-C4-C5	-3.23	108.30	114.06
20	p	822	SQD	O9-S-C6	3.23	111.58	106.76
15	bB	2002	PQN	C14-C13-C15	-3.23	109.63	115.23
19	aB	1843	LMU	C1B-O1B-C4'	-3.23	110.33	117.98
17	b6	522	BCR	C24-C23-C22	-3.23	121.46	126.23
20	S	822	SQD	O7-S-C6	3.23	111.57	106.76
20	a3	822	SQD	O7-S-C6	3.23	111.57	106.76
20	b3	822	SQD	O9-S-C6	3.23	111.57	106.76
17	l	521	BCR	C28-C27-C26	-3.22	108.31	114.06
17	a3	522	BCR	C3-C4-C5	-3.22	108.31	114.06
17	c2	523	BCR	C24-C23-C22	-3.22	121.47	126.23
17	p	522	BCR	C28-C27-C26	-3.22	108.31	114.06
17	f	523	BCR	C7-C8-C9	-3.22	121.47	126.23
17	c	521	BCR	C28-C27-C26	-3.22	108.32	114.06
17	V	524	BCR	C3-C4-C5	-3.22	108.32	114.06
17	c2	524	BCR	C38-C26-C25	-3.22	120.97	124.48
14	aA	1128	CLA	O2D-CGD-O1D	-3.22	117.59	123.85
17	aB	4006	BCR	C3-C4-C5	-3.21	108.32	114.06
17	X	523	BCR	C7-C8-C9	-3.21	121.48	126.23
17	a1	524	BCR	C8-C7-C6	-3.21	118.42	127.00
17	X	522	BCR	C16-C17-C18	-3.21	122.77	127.28
17	Y	523	BCR	C24-C23-C22	-3.21	121.49	126.23
14	bB	1218	CLA	O2D-CGD-O1D	-3.21	117.61	123.85
17	cM	4021	BCR	C28-C27-C26	-3.20	108.34	114.06
17	b1	522	BCR	C3-C4-C5	-3.20	108.34	114.06
14	bA	1136	CLA	O2D-CGD-O1D	-3.20	117.61	123.85
17	k	524	BCR	C3-C4-C5	-3.20	108.34	114.06
17	l	521	BCR	C38-C26-C25	-3.20	120.99	124.48
14	b3	516	CLA	O2D-CGD-O1D	-3.20	117.62	123.85
17	cI	4020	BCR	C11-C10-C9	-3.20	122.79	127.28
17	Z	524	BCR	C7-C8-C9	-3.20	121.50	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Y	501	CLA	O2D-CGD-O1D	-3.20	117.62	123.85
14	cB	1218	CLA	O2D-CGD-O1D	-3.20	117.62	123.85
17	cF	4014	BCR	C3-C4-C5	-3.20	108.35	114.06
17	Y	523	BCR	C7-C8-C9	-3.20	121.50	126.23
14	e	501	CLA	O2D-CGD-O1D	-3.20	117.63	123.85
17	n	521	BCR	C28-C27-C26	-3.20	108.36	114.06
17	aJ	4012	BCR	C38-C26-C25	-3.19	121.00	124.48
17	d	524	BCR	C38-C26-C25	-3.19	121.00	124.48
14	V	505	CLA	O2D-CGD-O1D	-3.19	117.64	123.85
17	b3	522	BCR	C28-C27-C26	-3.19	108.37	114.06
17	b	524	BCR	C7-C8-C9	-3.19	121.52	126.23
17	b	523	BCR	C38-C26-C25	-3.19	121.01	124.48
14	bJ	1302	CLA	O2D-CGD-O1D	-3.19	117.64	123.85
17	n	523	BCR	C7-C8-C9	-3.19	121.52	126.23
17	W	522	BCR	C3-C4-C5	-3.19	108.37	114.06
20	S	822	SQD	O9-S-C6	3.19	111.51	106.76
17	o	522	BCR	C24-C23-C22	-3.19	121.52	126.23
17	aB	4006	BCR	C38-C26-C25	-3.18	121.01	124.48
17	a6	524	BCR	C8-C7-C6	-3.18	118.50	127.00
17	S	523	BCR	C38-C26-C25	-3.18	121.01	124.48
17	b4	522	BCR	C28-C27-C26	-3.18	108.38	114.06
17	n	524	BCR	C3-C4-C5	-3.18	108.38	114.06
17	bL	4022	BCR	C28-C27-C26	-3.18	108.38	114.06
14	cA	1136	CLA	O2D-CGD-O1D	-3.18	117.66	123.85
17	bJ	4012	BCR	C24-C23-C22	-3.18	121.53	126.23
17	a6	522	BCR	C16-C17-C18	-3.18	122.82	127.28
17	c3	521	BCR	C38-C26-C25	-3.18	121.02	124.48
14	bA	1128	CLA	O2D-CGD-O1D	-3.18	117.66	123.85
17	aK	4001	BCR	C16-C15-C14	-3.18	117.02	123.52
17	cJ	4012	BCR	C20-C21-C22	-3.18	122.82	127.28
20	V	822	SQD	O47-C7-C8	3.18	118.35	111.48
17	m	522	BCR	C33-C5-C6	-3.18	121.02	124.48
17	aA	4003	BCR	C24-C23-C22	-3.18	121.54	126.23
17	a1	524	BCR	C24-C23-C22	-3.17	121.54	126.23
17	o	521	BCR	C3-C4-C5	-3.17	108.40	114.06
20	c3	822	SQD	O47-C7-C8	3.17	118.34	111.48
14	T	501	CLA	O2D-CGD-O1D	-3.17	117.68	123.85
17	b	524	BCR	C8-C7-C6	-3.17	118.54	127.00
17	a5	523	BCR	C38-C26-C25	-3.17	121.03	124.48
14	cA	1132	CLA	O2D-CGD-O1D	-3.17	117.69	123.85
17	c4	524	BCR	C3-C4-C5	-3.16	108.41	114.06
17	aF	4014	BCR	C20-C19-C18	-3.16	117.69	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	b6	524	BCR	C38-C26-C25	-3.16	121.03	124.48
17	V	521	BCR	C3-C4-C5	-3.16	108.42	114.06
14	cA	1128	CLA	O2D-CGD-O1D	-3.16	117.69	123.85
17	h	521	BCR	C28-C27-C26	-3.16	108.42	114.06
17	bF	4016	BCR	C24-C23-C22	-3.16	121.56	126.23
17	p	521	BCR	C38-C26-C25	-3.16	121.04	124.48
17	i	522	BCR	C33-C5-C6	-3.16	121.04	124.48
17	X	522	BCR	C28-C27-C26	-3.16	108.43	114.06
17	o	521	BCR	C28-C27-C26	-3.16	108.43	114.06
17	c6	521	BCR	C28-C27-C26	-3.16	108.43	114.06
17	b2	524	BCR	C38-C26-C25	-3.15	121.04	124.48
17	g	524	BCR	C24-C23-C22	-3.15	121.57	126.23
20	Z	822	SQD	O7-S-C6	3.15	111.46	106.76
17	q	521	BCR	C28-C27-C26	-3.15	108.43	114.06
17	c3	524	BCR	C38-C26-C25	-3.15	121.05	124.48
17	c4	522	BCR	C3-C4-C5	-3.15	108.44	114.06
17	bJ	4012	BCR	C38-C26-C25	-3.15	121.05	124.48
17	l	524	BCR	C3-C4-C5	-3.15	108.44	114.06
14	cA	1011	CLA	O2D-CGD-O1D	-3.15	117.72	123.85
17	b	522	BCR	C3-C4-C5	-3.15	108.44	114.06
14	aJ	1302	CLA	O2D-CGD-O1D	-3.15	117.72	123.85
14	bA	1011	CLA	O2D-CGD-O1D	-3.15	117.72	123.85
17	c6	522	BCR	C3-C4-C5	-3.15	108.44	114.06
14	a1	517	CLA	O2D-CGD-O1D	-3.15	117.72	123.85
14	bB	1212	CLA	O2D-CGD-O1D	-3.15	117.73	123.85
20	b5	822	SQD	O9-S-C6	3.14	111.45	106.76
17	a3	522	BCR	C33-C5-C6	-3.14	121.05	124.48
20	c4	822	SQD	O9-S-C6	3.14	111.45	106.76
14	aA	1132	CLA	O2D-CGD-O1D	-3.14	117.73	123.85
14	o	516	CLA	O2D-CGD-O1D	-3.14	117.73	123.85
17	b3	521	BCR	C38-C26-C25	-3.14	121.06	124.48
17	a2	524	BCR	C38-C26-C25	-3.14	121.06	124.48
17	bM	4021	BCR	C20-C19-C18	-3.14	117.75	126.36
17	V	522	BCR	C28-C27-C26	-3.14	108.45	114.06
17	g	522	BCR	C3-C4-C5	-3.14	108.45	114.06
14	bA	1132	CLA	O2D-CGD-O1D	-3.14	117.74	123.85
14	b4	504	CLA	C1-C2-C3	3.14	131.34	126.20
17	c4	523	BCR	C38-C26-C25	-3.14	121.06	124.48
17	c2	522	BCR	C24-C23-C22	-3.14	121.60	126.23
17	n	522	BCR	C3-C4-C5	-3.14	108.46	114.06
20	c3	822	SQD	O9-S-C6	3.14	111.44	106.76
14	aB	1218	CLA	O2D-CGD-O1D	-3.13	117.75	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	e	516	CLA	O2D-CGD-O1D	-3.13	117.75	123.85
17	Z	524	BCR	C8-C7-C6	-3.13	118.62	127.00
14	b4	501	CLA	O2D-CGD-O1D	-3.13	117.75	123.85
14	bB	1239	CLA	O2D-CGD-O1D	-3.13	117.75	123.85
14	cB	1239	CLA	O2D-CGD-O1D	-3.13	117.75	123.85
17	f	524	BCR	C38-C26-C25	-3.13	121.07	124.48
17	cJ	4013	BCR	C20-C19-C18	-3.13	117.78	126.36
20	a4	822	SQD	O9-S-C6	3.13	111.43	106.76
20	X	822	SQD	O7-S-C6	3.13	111.43	106.76
17	f	522	BCR	C28-C27-C26	-3.13	108.47	114.06
17	c6	524	BCR	C38-C26-C25	-3.13	121.07	124.48
14	e	516	CLA	C3B-C4B-NB	-3.13	107.74	110.53
17	W	521	BCR	C38-C26-C25	-3.13	121.07	124.48
14	aA	1136	CLA	O2D-CGD-O1D	-3.13	117.76	123.85
17	a3	521	BCR	C38-C26-C25	-3.13	121.07	124.48
17	b1	522	BCR	C23-C24-C25	-3.13	118.64	127.00
17	cF	4014	BCR	C15-C14-C13	-3.13	122.89	127.28
14	Y	511	CLA	O2D-CGD-O1D	-3.13	117.76	123.85
17	p	524	BCR	C3-C4-C5	-3.12	108.48	114.06
17	c5	524	BCR	C38-C26-C25	-3.12	121.08	124.48
17	a4	523	BCR	C3-C4-C5	-3.12	108.49	114.06
17	a1	523	BCR	C33-C5-C6	-3.12	121.08	124.48
17	b4	521	BCR	C38-C26-C25	-3.12	121.08	124.48
14	W	511	CLA	O2D-CGD-O1D	-3.12	117.77	123.85
20	i	822	SQD	O9-S-C6	3.12	111.42	106.76
17	cA	4002	BCR	C28-C27-C26	-3.12	108.49	114.06
14	i	501	CLA	O2D-CGD-O1D	-3.12	117.78	123.85
17	a6	523	BCR	C38-C26-C25	-3.12	121.08	124.48
20	Z	822	SQD	C4-C3-C2	3.12	116.31	110.83
14	e	517	CLA	C3B-C4B-NB	-3.12	107.75	110.53
14	b1	511	CLA	O2D-CGD-O1D	-3.12	117.78	123.85
17	i	523	BCR	C38-C26-C25	-3.12	121.08	124.48
17	a6	522	BCR	C28-C27-C26	-3.12	108.50	114.06
17	bJ	4013	BCR	C20-C19-C18	-3.11	117.82	126.36
17	Z	522	BCR	C28-C27-C26	-3.11	108.50	114.06
17	c5	521	BCR	C38-C26-C25	-3.11	121.09	124.48
17	j	524	BCR	C38-C26-C25	-3.11	121.09	124.48
17	l	523	BCR	C38-C26-C25	-3.11	121.09	124.48
20	b3	822	SQD	O5-C5-C4	3.11	115.31	109.70
14	a5	501	CLA	O2D-CGD-O1D	-3.11	117.79	123.85
14	f	511	CLA	O2D-CGD-O1D	-3.11	117.79	123.85
17	aI	4018	BCR	C30-C25-C26	-3.11	118.38	122.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	i	521	BCR	C28-C27-C26	-3.11	108.51	114.06
17	a4	522	BCR	C3-C4-C5	-3.11	108.51	114.06
17	cF	4016	BCR	C28-C27-C26	-3.11	108.51	114.06
17	a	523	BCR	C11-C10-C9	-3.11	122.92	127.28
17	l	522	BCR	C38-C26-C25	-3.11	121.09	124.48
17	cF	4014	BCR	C20-C19-C18	-3.11	117.84	126.36
20	W	822	SQD	O9-S-C6	3.11	111.39	106.76
20	e	822	SQD	O9-S-C6	3.11	111.39	106.76
17	cI	4019	BCR	C33-C5-C6	-3.11	121.09	124.48
20	b5	822	SQD	O7-S-C6	3.11	111.39	106.76
17	c1	522	BCR	C28-C27-C26	-3.11	108.52	114.06
17	b4	522	BCR	C24-C23-C22	-3.11	121.64	126.23
17	Z	524	BCR	C24-C23-C22	-3.10	121.64	126.23
17	a3	524	BCR	C38-C26-C25	-3.10	121.10	124.48
17	b5	522	BCR	C20-C21-C22	-3.10	122.93	127.28
14	b5	507	CLA	O2D-CGD-O1D	-3.10	117.81	123.85
20	b2	822	SQD	O9-S-C6	3.10	111.39	106.76
17	Z	523	BCR	C38-C26-C25	-3.10	121.10	124.48
17	b	524	BCR	C38-C26-C25	-3.10	121.10	124.48
20	c1	822	SQD	O47-C7-C8	3.10	118.19	111.48
17	a4	523	BCR	C1-C6-C5	-3.10	118.40	122.64
14	W	517	CLA	O2D-CGD-O1D	-3.10	117.81	123.85
14	q	516	CLA	O2D-CGD-O1D	-3.10	117.81	123.85
17	S	522	BCR	C3-C4-C5	-3.10	108.53	114.06
14	i	516	CLA	C3B-C4B-NB	-3.10	107.77	110.53
17	aA	4002	BCR	C28-C27-C26	-3.10	108.53	114.06
14	b2	517	CLA	O2D-CGD-O1D	-3.10	117.82	123.85
14	b4	511	CLA	O2D-CGD-O1D	-3.10	117.82	123.85
17	bF	4014	BCR	C3-C4-C5	-3.10	108.53	114.06
17	k	522	BCR	C28-C27-C26	-3.10	108.53	114.06
17	c	523	BCR	C38-C26-C25	-3.10	121.11	124.48
14	n	511	CLA	O2D-CGD-O1D	-3.09	117.83	123.85
17	aF	4016	BCR	C28-C27-C26	-3.09	108.54	114.06
14	p	501	CLA	O2D-CGD-O1D	-3.09	117.83	123.85
17	a1	524	BCR	C38-C26-C25	-3.09	121.11	124.48
17	a2	522	BCR	C28-C27-C26	-3.09	108.54	114.06
17	c6	522	BCR	C28-C27-C26	-3.09	108.54	114.06
14	aB	1212	CLA	O2D-CGD-O1D	-3.09	117.83	123.85
14	S	506	CLA	O2D-CGD-O1D	-3.09	117.83	123.85
17	c6	523	BCR	C3-C4-C5	-3.09	108.54	114.06
17	Z	523	BCR	C7-C8-C9	-3.09	121.66	126.23
17	a4	522	BCR	C28-C27-C26	-3.09	108.55	114.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	bF	4014	BCR	C15-C14-C13	-3.09	122.94	127.28
14	c6	519	CLA	O2D-CGD-O1D	-3.09	117.84	123.85
17	cA	4003	BCR	C24-C23-C22	-3.09	121.67	126.23
14	aB	1211	CLA	O2D-CGD-O1D	-3.09	117.84	123.85
14	bB	1023	CLA	O2D-CGD-O1D	-3.09	117.84	123.85
17	b4	522	BCR	C20-C21-C22	-3.09	122.95	127.28
17	bB	4010	BCR	C15-C16-C17	-3.09	117.20	123.52
17	b	521	BCR	C38-C26-C25	-3.09	121.12	124.48
17	cA	4007	BCR	C20-C21-C22	-3.09	122.95	127.28
20	c2	822	SQD	O9-S-C6	3.08	111.36	106.76
17	cJ	4012	BCR	C24-C23-C22	-3.08	121.67	126.23
14	b6	504	CLA	O2D-CGD-O1D	-3.08	117.85	123.85
14	cA	1139	CLA	C3B-C4B-NB	-3.08	107.78	110.53
17	o	523	BCR	C3-C4-C5	-3.08	108.56	114.06
17	q	522	BCR	C28-C27-C26	-3.08	108.56	114.06
17	bJ	4013	BCR	C8-C7-C6	-3.08	118.77	127.00
17	b2	521	BCR	C38-C26-C25	-3.08	121.12	124.48
17	q	522	BCR	C33-C5-C6	-3.08	121.12	124.48
17	c5	523	BCR	C38-C26-C25	-3.08	121.13	124.48
17	a	521	BCR	C38-C26-C25	-3.08	121.13	124.48
17	bA	4002	BCR	C28-C27-C26	-3.08	108.57	114.06
14	aA	1124	CLA	O2D-CGD-O1D	-3.08	117.86	123.85
17	b1	524	BCR	C8-C7-C6	-3.07	118.78	127.00
17	f	521	BCR	C28-C27-C26	-3.07	108.57	114.06
17	h	522	BCR	C28-C27-C26	-3.07	108.57	114.06
17	f	523	BCR	C38-C26-C25	-3.07	121.13	124.48
14	U	516	CLA	O2D-CGD-O1D	-3.07	117.86	123.85
20	T	822	SQD	O7-S-C6	3.07	111.34	106.76
17	aK	4001	BCR	C11-C12-C13	-3.07	117.94	126.36
14	aK	1401	CLA	O2D-CGD-O1D	-3.07	117.87	123.85
17	U	522	BCR	C28-C27-C26	-3.07	108.58	114.06
14	aA	1125	CLA	C3B-C4B-NB	-3.07	107.79	110.53
14	b6	519	CLA	C3B-C4B-NB	-3.07	107.79	110.53
14	cB	1212	CLA	O2D-CGD-O1D	-3.07	117.87	123.85
17	k	523	BCR	C3-C4-C5	-3.07	108.58	114.06
20	T	822	SQD	O6-C1-C2	3.07	112.94	108.27
17	bA	4002	BCR	C3-C4-C5	-3.07	108.58	114.06
20	T	822	SQD	O9-S-C6	3.07	111.34	106.76
17	a	523	BCR	C7-C8-C9	-3.07	121.70	126.23
20	b6	822	SQD	O9-S-C6	3.07	111.34	106.76
17	f	521	BCR	C3-C4-C5	-3.07	108.58	114.06
17	aA	4003	BCR	C28-C27-C26	-3.07	108.59	114.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a2	501	CLA	O2D-CGD-O1D	-3.07	117.88	123.85
20	a6	822	SQD	O9-S-C6	3.07	111.33	106.76
14	bA	1139	CLA	C3B-C4B-NB	-3.07	107.79	110.53
14	k	505	CLA	O2D-CGD-O1D	-3.07	117.88	123.85
17	a1	524	BCR	C33-C5-C4	3.06	120.13	113.60
14	cJ	1302	CLA	C3B-C4B-NB	-3.06	107.79	110.53
17	cB	4010	BCR	C15-C16-C17	-3.06	117.25	123.52
17	c2	522	BCR	C28-C27-C26	-3.06	108.59	114.06
17	a6	524	BCR	C33-C5-C4	3.06	120.13	113.60
14	bB	1205	CLA	O2D-CGD-O1D	-3.06	117.89	123.85
14	b	506	CLA	O2D-CGD-O1D	-3.06	117.89	123.85
14	aA	1011	CLA	O2D-CGD-O1D	-3.06	117.89	123.85
17	a2	524	BCR	C3-C4-C5	-3.06	108.60	114.06
17	c3	524	BCR	C33-C5-C4	3.06	120.12	113.60
17	f	523	BCR	C11-C10-C9	-3.06	122.99	127.28
17	b5	523	BCR	C7-C8-C9	-3.06	121.71	126.23
14	i	516	CLA	O2D-CGD-O1D	-3.06	117.90	123.85
17	bF	4016	BCR	C28-C27-C26	-3.06	108.60	114.06
17	b	522	BCR	C11-C10-C9	-3.06	122.99	127.28
20	m	822	SQD	O9-S-C6	3.06	111.32	106.76
17	a5	523	BCR	C7-C8-C9	-3.06	121.71	126.23
14	b6	511	CLA	O2D-CGD-O1D	-3.06	117.90	123.85
17	a5	522	BCR	C28-C27-C26	-3.06	108.61	114.06
14	c1	516	CLA	C3B-C4B-NB	-3.05	107.80	110.53
17	a1	522	BCR	C3-C4-C5	-3.05	108.61	114.06
20	a5	822	SQD	O5-C5-C4	3.05	115.20	109.70
14	aB	1239	CLA	O2D-CGD-O1D	-3.05	117.91	123.85
17	bA	4008	BCR	C7-C8-C9	-3.05	121.72	126.23
17	c1	521	BCR	C28-C27-C26	-3.05	108.61	114.06
14	b	501	CLA	O2D-CGD-O1D	-3.05	117.91	123.85
17	e	524	BCR	C38-C26-C25	-3.05	121.16	124.48
14	bB	1211	CLA	O2D-CGD-O1D	-3.05	117.91	123.85
17	c1	522	BCR	C3-C4-C5	-3.05	108.62	114.06
14	cB	1205	CLA	O2D-CGD-O1D	-3.05	117.92	123.85
17	e	521	BCR	C28-C27-C26	-3.05	108.62	114.06
14	j	516	CLA	O2D-CGD-O1D	-3.05	117.92	123.85
14	bB	1238	CLA	C3B-C4B-NB	-3.05	107.81	110.53
17	a	522	BCR	C3-C4-C5	-3.05	108.62	114.06
17	p	522	BCR	C3-C4-C5	-3.05	108.62	114.06
14	a2	504	CLA	O2D-CGD-O1D	-3.05	117.92	123.85
14	cB	1201	CLA	O2D-CGD-O1D	-3.05	117.92	123.85
14	m	505	CLA	O2D-CGD-O1D	-3.05	117.92	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a	508	CLA	O2D-CGD-O1D	-3.05	117.92	123.85
17	a5	521	BCR	C3-C4-C5	-3.05	108.62	114.06
17	e	522	BCR	C28-C27-C26	-3.05	108.62	114.06
20	a2	822	SQD	O9-S-C6	3.05	111.30	106.76
17	g	522	BCR	C28-C27-C26	-3.04	108.63	114.06
14	b5	516	CLA	O2D-CGD-O1D	-3.04	117.92	123.85
14	c3	501	CLA	O2D-CGD-O1D	-3.04	117.92	123.85
17	bB	4006	BCR	C28-C27-C26	-3.04	108.63	114.06
14	X	501	CLA	O2D-CGD-O1D	-3.04	117.92	123.85
14	j	501	CLA	O2D-CGD-O1D	-3.04	117.92	123.85
17	bF	4014	BCR	C20-C19-C18	-3.04	118.02	126.36
14	aA	1116	CLA	C3B-C4B-NB	-3.04	107.81	110.53
17	b1	522	BCR	C20-C21-C22	-3.04	123.01	127.28
17	a2	521	BCR	C38-C26-C25	-3.04	121.17	124.48
17	c1	523	BCR	C38-C26-C25	-3.04	121.17	124.48
17	b	524	BCR	C33-C5-C4	3.04	120.08	113.60
14	bK	1401	CLA	O2D-CGD-O1D	-3.04	117.93	123.85
17	X	524	BCR	C8-C7-C6	-3.04	118.88	127.00
14	bA	1129	CLA	O2A-CGA-O1A	-3.04	116.03	123.63
17	a4	523	BCR	C7-C8-C9	-3.04	121.74	126.23
17	d	524	BCR	C33-C5-C4	3.04	120.07	113.60
17	c	522	BCR	C28-C27-C26	-3.04	108.64	114.06
14	a4	501	CLA	O2D-CGD-O1D	-3.04	117.94	123.85
17	bI	4020	BCR	C8-C7-C6	-3.04	118.89	127.00
14	a3	511	CLA	O2D-CGD-O1D	-3.04	117.94	123.85
14	p	511	CLA	O2D-CGD-O1D	-3.04	117.94	123.85
17	k	522	BCR	C33-C5-C6	-3.04	121.17	124.48
14	a6	501	CLA	C1-C2-C3	-3.04	121.22	126.20
14	l	504	CLA	O2D-CGD-O1D	-3.04	117.94	123.85
14	n	517	CLA	O2D-CGD-O1D	-3.03	117.94	123.85
14	bB	1201	CLA	O2D-CGD-O1D	-3.03	117.94	123.85
14	q	511	CLA	O2D-CGD-O1D	-3.03	117.94	123.85
14	aB	1023	CLA	O2D-CGD-O1D	-3.03	117.94	123.85
17	c2	521	BCR	C3-C4-C5	-3.03	108.65	114.06
17	aB	4010	BCR	C15-C16-C17	-3.03	117.31	123.52
14	c6	512	CLA	C3B-C4B-NB	-3.03	107.82	110.53
17	cK	4001	BCR	C15-C14-C13	-3.03	123.03	127.28
20	f	822	SQD	O9-S-C6	3.03	111.28	106.76
14	bJ	1302	CLA	C3B-C4B-NB	-3.03	107.83	110.53
14	W	501	CLA	O2D-CGD-O1D	-3.03	117.95	123.85
17	bK	4001	BCR	C11-C12-C13	-3.03	118.06	126.36
17	cA	4007	BCR	C24-C23-C22	-3.03	121.75	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	cB	4006	BCR	C28-C27-C26	-3.03	108.66	114.06
17	cL	4022	BCR	C38-C26-C25	-3.03	121.18	124.48
14	aJ	1302	CLA	C3B-C4B-NB	-3.03	107.83	110.53
14	bK	1401	CLA	C3B-C4B-NB	-3.03	107.83	110.53
17	c2	523	BCR	C28-C27-C26	-3.03	108.66	114.06
17	d	521	BCR	C38-C26-C25	-3.03	121.18	124.48
14	l	517	CLA	C3B-C4B-NB	-3.02	107.83	110.53
17	c3	522	BCR	C3-C4-C5	-3.02	108.66	114.06
17	h	524	BCR	C3-C4-C5	-3.02	108.66	114.06
14	cA	1101	CLA	C3B-C4B-NB	-3.02	107.83	110.53
14	p	516	CLA	O2D-CGD-O1D	-3.02	117.96	123.85
17	aJ	4012	BCR	C4-C5-C6	-3.02	118.62	122.70
17	m	522	BCR	C3-C4-C5	-3.02	108.67	114.06
14	V	504	CLA	O2D-CGD-O1D	-3.02	117.97	123.85
14	aA	1139	CLA	C3B-C4B-NB	-3.02	107.83	110.53
14	X	503	CLA	O2D-CGD-O1D	-3.02	117.97	123.85
14	o	511	CLA	O2D-CGD-O1D	-3.02	117.97	123.85
14	q	517	CLA	O2D-CGD-O1D	-3.02	117.97	123.85
17	c6	523	BCR	C4-C5-C6	-3.02	118.62	122.70
14	aB	1201	CLA	O2D-CGD-O1D	-3.02	117.97	123.85
17	b	523	BCR	C7-C8-C9	-3.02	121.77	126.23
14	a1	501	CLA	O2D-CGD-O1D	-3.02	117.97	123.85
14	g	517	CLA	O2D-CGD-O1D	-3.02	117.97	123.85
17	b6	522	BCR	C28-C27-C26	-3.02	108.67	114.06
17	cM	4021	BCR	C38-C26-C25	-3.02	121.19	124.48
17	q	523	BCR	C38-C26-C25	-3.02	121.19	124.48
14	b6	512	CLA	C3B-C4B-NB	-3.02	107.84	110.53
14	c2	511	CLA	O2D-CGD-O1D	-3.02	117.98	123.85
14	bA	1125	CLA	C3B-C4B-NB	-3.02	107.84	110.53
17	c3	523	BCR	C3-C4-C5	-3.02	108.68	114.06
14	cA	1124	CLA	O2D-CGD-O1D	-3.02	117.98	123.85
14	bA	1124	CLA	O2D-CGD-O1D	-3.01	117.98	123.85
17	a1	523	BCR	C24-C23-C22	-3.01	121.78	126.23
14	aB	1205	CLA	O2D-CGD-O1D	-3.01	117.98	123.85
17	cB	4005	BCR	C28-C27-C26	-3.01	108.68	114.06
17	cB	4009	BCR	C7-C8-C9	-3.01	121.78	126.23
17	a5	524	BCR	C38-C26-C25	-3.01	121.20	124.48
14	aB	1220	CLA	O2D-CGD-O1D	-3.01	117.98	123.85
17	aA	4008	BCR	C28-C27-C26	-3.01	108.68	114.06
14	c1	501	CLA	O2D-CGD-O1D	-3.01	117.98	123.85
17	bB	4009	BCR	C7-C8-C9	-3.01	121.78	126.23
17	o	522	BCR	C28-C27-C26	-3.01	108.69	114.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	aK	1401	CLA	C3B-C4B-NB	-3.01	107.84	110.53
14	g	512	CLA	C3B-C4B-NB	-3.01	107.84	110.53
14	h	501	CLA	O2D-CGD-O1D	-3.01	117.99	123.85
14	c	516	CLA	O2D-CGD-O1D	-3.01	117.99	123.85
17	aF	4014	BCR	C3-C4-C5	-3.01	108.69	114.06
17	cI	4020	BCR	C3-C4-C5	-3.01	108.69	114.06
14	X	504	CLA	C1-C2-C3	-3.01	121.27	126.20
17	Z	521	BCR	C38-C26-C25	-3.01	121.20	124.48
14	bL	1502	CLA	O2D-CGD-O1D	-3.01	118.00	123.85
17	W	522	BCR	C23-C24-C25	-3.01	118.97	127.00
14	a6	518	CLA	C3B-C4B-NB	-3.01	107.85	110.53
14	bA	1136	CLA	C3B-C4B-NB	-3.01	107.85	110.53
14	b1	516	CLA	O2D-CGD-O1D	-3.01	118.00	123.85
17	i	522	BCR	C24-C23-C22	-3.01	121.79	126.23
17	aB	4006	BCR	C28-C27-C26	-3.01	108.70	114.06
17	c	521	BCR	C38-C26-C25	-3.01	121.20	124.48
17	bM	4021	BCR	C38-C26-C25	-3.00	121.21	124.48
17	c4	524	BCR	C8-C7-C6	-3.00	118.97	127.00
14	bA	1106	CLA	O2D-CGD-O1D	-3.00	118.00	123.85
17	Z	524	BCR	C33-C5-C4	3.00	120.00	113.60
17	b6	521	BCR	C28-C27-C26	-3.00	108.70	114.06
17	W	523	BCR	C15-C16-C17	-3.00	117.38	123.52
14	aL	1503	CLA	O2D-CGD-O1D	-3.00	118.00	123.85
14	bL	1503	CLA	O2D-CGD-O1D	-3.00	118.00	123.85
14	b	505	CLA	O2D-CGD-O1D	-3.00	118.00	123.85
14	bB	1220	CLA	O2D-CGD-O1D	-3.00	118.00	123.85
14	c5	516	CLA	O2D-CGD-O1D	-3.00	118.00	123.85
17	S	524	BCR	C28-C27-C26	-3.00	108.70	114.06
14	aA	1117	CLA	O2D-CGD-O1D	-3.00	118.01	123.85
14	cB	1208	CLA	O2D-CGD-O1D	-3.00	118.01	123.85
20	d	822	SQD	O9-S-C6	3.00	111.24	106.76
20	n	822	SQD	O9-S-C6	3.00	111.24	106.76
14	c5	507	CLA	O2D-CGD-O1D	-3.00	118.01	123.85
14	cB	1209	CLA	O2D-CGD-CBD	3.00	116.47	111.23
17	m	523	BCR	C3-C4-C5	-3.00	108.71	114.06
17	b5	522	BCR	C23-C24-C25	-3.00	118.99	127.00
14	b5	511	CLA	O2D-CGD-O1D	-3.00	118.01	123.85
14	j	505	CLA	O2D-CGD-O1D	-3.00	118.02	123.85
14	cA	1117	CLA	O2D-CGD-O1D	-3.00	118.02	123.85
14	T	510	CLA	O2D-CGD-O1D	-3.00	118.02	123.85
14	Z	501	CLA	O2D-CGD-O1D	-3.00	118.02	123.85
17	p	523	BCR	C38-C26-C25	-3.00	121.22	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
20	h	822	SQD	O9-S-C6	3.00	111.23	106.76
17	X	524	BCR	C33-C5-C4	2.99	119.98	113.60
20	g	822	SQD	O7-S-C6	2.99	111.23	106.76
14	aA	1101	CLA	C3B-C4B-NB	-2.99	107.86	110.53
17	e	523	BCR	C38-C26-C25	-2.99	121.22	124.48
14	aB	1231	CLA	C3B-C4B-NB	-2.99	107.86	110.53
14	a	512	CLA	C3B-C4B-NB	-2.99	107.86	110.53
17	i	522	BCR	C28-C27-C26	-2.99	108.72	114.06
14	l	517	CLA	CHB-C4A-NA	2.99	128.72	124.40
17	bA	4007	BCR	C20-C21-C22	-2.99	123.08	127.28
17	V	524	BCR	C38-C26-C25	-2.99	121.22	124.48
14	cL	1503	CLA	O2D-CGD-O1D	-2.99	118.02	123.85
14	c6	511	CLA	O2D-CGD-O1D	-2.99	118.02	123.85
17	W	522	BCR	C24-C23-C22	-2.99	121.81	126.23
14	p	518	CLA	O2D-CGD-O1D	-2.99	118.03	123.85
17	a6	521	BCR	C38-C26-C25	-2.99	121.22	124.48
17	q	524	BCR	C38-C26-C25	-2.99	121.22	124.48
14	cA	1120	CLA	O2D-CGD-O1D	-2.99	118.03	123.85
14	d	516	CLA	O2D-CGD-O1D	-2.99	118.03	123.85
17	f	524	BCR	C33-C5-C4	2.99	119.97	113.60
17	b3	522	BCR	C3-C4-C5	-2.99	108.72	114.06
17	Z	523	BCR	C3-C4-C5	-2.99	108.72	114.06
14	c5	519	CLA	O2D-CGD-O1D	-2.99	118.03	123.85
14	o	501	CLA	O2D-CGD-O1D	-2.99	118.03	123.85
17	Y	524	BCR	C38-C26-C25	-2.99	121.22	124.48
14	W	505	CLA	O2D-CGD-O1D	-2.99	118.03	123.85
17	b1	524	BCR	C33-C5-C4	2.99	119.97	113.60
17	cF	4014	BCR	C16-C15-C14	-2.99	117.41	123.52
17	X	523	BCR	C11-C10-C9	-2.99	123.09	127.28
14	bA	1105	CLA	O2D-CGD-O1D	-2.99	118.03	123.85
14	aA	1125	CLA	O2D-CGD-O1D	-2.99	118.03	123.85
17	bI	4020	BCR	C3-C4-C5	-2.99	108.73	114.06
20	a1	822	SQD	O9-S-C6	2.99	111.21	106.76
20	Y	822	SQD	O9-S-C6	2.99	111.21	106.76
14	cK	1401	CLA	O2D-CGD-O1D	-2.99	118.04	123.85
17	j	522	BCR	C3-C4-C5	-2.98	108.73	114.06
14	V	505	CLA	C1-C2-C3	-2.98	121.31	126.20
14	j	507	CLA	O2D-CGD-O1D	-2.98	118.04	123.85
17	bL	4022	BCR	C38-C26-C25	-2.98	121.23	124.48
14	aB	1221	CLA	O2D-CGD-O1D	-2.98	118.04	123.85
14	U	506	CLA	O2D-CGD-O1D	-2.98	118.04	123.85
14	c	505	CLA	O2D-CGD-O1D	-2.98	118.04	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b3	506	CLA	O2D-CGD-O1D	-2.98	118.04	123.85
14	cB	1221	CLA	O2D-CGD-O1D	-2.98	118.04	123.85
14	l	516	CLA	O2D-CGD-O1D	-2.98	118.04	123.85
14	m	508	CLA	O2D-CGD-O1D	-2.98	118.04	123.85
14	bA	1102	CLA	O2D-CGD-O1D	-2.98	118.04	123.85
14	c6	516	CLA	O2D-CGD-O1D	-2.98	118.05	123.85
14	k	517	CLA	O2D-CGD-O1D	-2.98	118.05	123.85
14	bA	1101	CLA	C3B-C4B-NB	-2.98	107.87	110.53
14	d	505	CLA	C1-C2-C3	-2.98	121.31	126.20
17	a6	524	BCR	C38-C26-C25	-2.98	121.23	124.48
14	cB	1222	CLA	O2D-CGD-O1D	-2.98	118.05	123.85
14	S	513	CLA	O2D-CGD-O1D	-2.98	118.05	123.85
17	b4	522	BCR	C3-C4-C5	-2.98	108.74	114.06
14	cB	1220	CLA	O2D-CGD-O1D	-2.98	118.05	123.85
14	T	505	CLA	O2D-CGD-O1D	-2.98	118.05	123.85
14	n	517	CLA	C3B-C4B-NB	-2.98	107.87	110.53
14	a1	506	CLA	O2D-CGD-O1D	-2.98	118.05	123.85
14	m	511	CLA	O2D-CGD-O1D	-2.98	118.05	123.85
20	a5	822	SQD	O9-S-C6	2.98	111.20	106.76
14	aA	1801	CLA	O2D-CGD-O1D	-2.98	118.05	123.85
14	bA	1101	CLA	O2D-CGD-O1D	-2.98	118.05	123.85
14	b2	508	CLA	O2D-CGD-O1D	-2.98	118.05	123.85
14	d	505	CLA	O2D-CGD-O1D	-2.98	118.05	123.85
14	bA	1116	CLA	C3B-C4B-NB	-2.98	107.87	110.53
14	a3	517	CLA	O2D-CGD-O1D	-2.98	118.05	123.85
14	cB	1204	CLA	O2D-CGD-O1D	-2.98	118.05	123.85
14	c4	501	CLA	O2D-CGD-O1D	-2.98	118.05	123.85
17	a4	521	BCR	C38-C26-C25	-2.98	121.24	124.48
14	Z	513	CLA	O2D-CGD-O1D	-2.98	118.05	123.85
14	e	505	CLA	O2D-CGD-O1D	-2.98	118.05	123.85
14	c4	513	CLA	C3B-C4B-NB	-2.98	107.87	110.53
14	c5	517	CLA	C3B-C4B-NB	-2.98	107.87	110.53
17	W	523	BCR	C38-C26-C25	-2.98	121.24	124.48
17	Y	522	BCR	C7-C8-C9	-2.98	121.83	126.23
17	c	524	BCR	C28-C27-C26	-2.98	108.75	114.06
17	aJ	4013	BCR	C8-C7-C6	-2.97	119.05	127.00
17	k	523	BCR	C7-C8-C9	-2.97	121.83	126.23
17	m	522	BCR	C28-C27-C26	-2.97	108.75	114.06
14	bA	1120	CLA	O2D-CGD-O1D	-2.97	118.06	123.85
17	bA	4003	BCR	C28-C27-C26	-2.97	108.75	114.06
17	c3	524	BCR	C20-C21-C22	-2.97	123.11	127.28
17	b6	523	BCR	C38-C26-C25	-2.97	121.24	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	aA	1137	CLA	O2D-CGD-O1D	-2.97	118.06	123.85
14	bA	1110	CLA	C3B-C4B-NB	-2.97	107.88	110.53
14	n	512	CLA	C3B-C4B-NB	-2.97	107.88	110.53
14	aA	1106	CLA	O2D-CGD-O1D	-2.97	118.06	123.85
14	cA	1105	CLA	O2D-CGD-O1D	-2.97	118.06	123.85
17	c4	523	BCR	C3-C4-C5	-2.97	108.76	114.06
14	a6	517	CLA	O2D-CGD-O1D	-2.97	118.06	123.85
17	S	522	BCR	C15-C16-C17	-2.97	117.44	123.52
17	bA	4007	BCR	C28-C27-C26	-2.97	108.76	114.06
17	cA	4008	BCR	C28-C27-C26	-2.97	108.76	114.06
14	b2	501	CLA	O2D-CGD-O1D	-2.97	118.07	123.85
14	l	511	CLA	O2D-CGD-O1D	-2.97	118.07	123.85
17	aA	4007	BCR	C23-C24-C25	-2.97	119.06	127.00
17	W	522	BCR	C28-C27-C26	-2.97	108.76	114.06
14	bB	1201	CLA	C3B-C4B-NB	-2.97	107.88	110.53
14	h	512	CLA	C3B-C4B-NB	-2.97	107.88	110.53
14	a1	508	CLA	O2D-CGD-O1D	-2.97	118.07	123.85
14	i	517	CLA	O2D-CGD-O1D	-2.97	118.07	123.85
17	n	522	BCR	C28-C27-C26	-2.97	108.76	114.06
14	bB	1222	CLA	O2D-CGD-O1D	-2.97	118.07	123.85
14	cB	1229	CLA	O2D-CGD-O1D	-2.97	118.07	123.85
20	b2	822	SQD	O7-S-C6	2.97	111.19	106.76
14	cB	1201	CLA	C3B-C4B-NB	-2.97	107.88	110.53
14	c1	508	CLA	O2D-CGD-O1D	-2.97	118.07	123.85
14	n	516	CLA	O2D-CGD-O1D	-2.97	118.07	123.85
17	W	523	BCR	C28-C27-C26	-2.97	108.77	114.06
17	aF	4014	BCR	C16-C15-C14	-2.97	117.45	123.52
17	c1	524	BCR	C33-C5-C4	2.97	119.92	113.60
14	b	519	CLA	O2D-CGD-O1D	-2.97	118.07	123.85
14	S	512	CLA	C3B-C4B-NB	-2.97	107.88	110.53
14	k	504	CLA	O2D-CGD-O1D	-2.97	118.08	123.85
14	bA	1801	CLA	O2D-CGD-O1D	-2.97	118.08	123.85
14	cA	1106	CLA	O2D-CGD-O1D	-2.97	118.08	123.85
14	aA	1136	CLA	C3B-C4B-NB	-2.97	107.88	110.53
14	a6	512	CLA	C3B-C4B-NB	-2.97	107.88	110.53
14	h	505	CLA	O2D-CGD-O1D	-2.96	118.08	123.85
14	p	513	CLA	O2D-CGD-O1D	-2.96	118.08	123.85
20	b1	822	SQD	O9-S-C6	2.96	111.18	106.76
14	S	517	CLA	O2D-CGD-O1D	-2.96	118.08	123.85
14	X	504	CLA	O2D-CGD-O1D	-2.96	118.08	123.85
14	k	501	CLA	O2D-CGD-O1D	-2.96	118.08	123.85
17	j	524	BCR	C33-C5-C4	2.96	119.91	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	cI	4020	BCR	C8-C7-C6	-2.96	119.08	127.00
14	aL	1502	CLA	O2D-CGD-O1D	-2.96	118.08	123.85
17	k	524	BCR	C33-C5-C4	2.96	119.91	113.60
17	aB	4005	BCR	C28-C27-C26	-2.96	108.77	114.06
14	cA	1102	CLA	O2D-CGD-O1D	-2.96	118.08	123.85
14	S	516	CLA	O2D-CGD-O1D	-2.96	118.08	123.85
17	T	523	BCR	C38-C26-C25	-2.96	121.25	124.48
20	c	822	SQD	O9-S-C6	2.96	111.18	106.76
14	bB	1228	CLA	C1-C2-C3	-2.96	121.35	126.20
14	bA	1117	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
14	V	507	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
17	bM	4021	BCR	C16-C15-C14	-2.96	117.46	123.52
14	aJ	1303	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
14	Z	501	CLA	C3B-C4B-NB	-2.96	107.89	110.53
14	k	504	CLA	C3B-C4B-NB	-2.96	107.89	110.53
17	h	524	BCR	C8-C7-C6	-2.96	119.09	127.00
14	X	507	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
14	g	505	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
14	j	504	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
14	l	505	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
14	m	512	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
20	c6	822	SQD	O48-C23-C24	2.96	120.13	111.15
17	bF	4014	BCR	C16-C15-C14	-2.96	117.47	123.52
14	a3	501	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
14	a4	516	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
18	cA	5004	LHG	O8-C23-C24	2.96	120.86	111.83
17	Y	524	BCR	C33-C5-C4	2.96	119.90	113.60
18	bA	5001	LHG	O8-C23-C24	2.96	120.86	111.83
17	a1	524	BCR	C7-C8-C9	-2.96	121.86	126.23
14	aA	1126	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
14	cA	1801	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
14	S	505	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
14	k	516	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
14	cK	1103	CLA	C3B-C4B-NB	-2.96	107.89	110.53
17	b1	522	BCR	C28-C27-C26	-2.96	108.78	114.06
14	g	501	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
14	n	507	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
14	aB	1238	CLA	C3B-C4B-NB	-2.96	107.89	110.53
14	c1	517	CLA	O2D-CGD-O1D	-2.96	118.10	123.85
20	c5	822	SQD	O9-S-C6	2.95	111.17	106.76
14	a5	517	CLA	C3B-C4B-NB	-2.95	107.89	110.53
14	bB	1231	CLA	C3B-C4B-NB	-2.95	107.89	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	l	501	CLA	O2D-CGD-O1D	-2.95	118.10	123.85
14	aA	1105	CLA	O2D-CGD-O1D	-2.95	118.10	123.85
14	a3	516	CLA	O2D-CGD-O1D	-2.95	118.10	123.85
14	q	501	CLA	C3B-C4B-NB	-2.95	107.89	110.53
14	a	501	CLA	O2D-CGD-O1D	-2.95	118.10	123.85
14	o	506	CLA	O2D-CGD-O1D	-2.95	118.10	123.85
17	bI	4018	BCR	C27-C26-C25	-2.95	118.72	122.70
14	Y	519	CLA	O2D-CGD-O1D	-2.95	118.10	123.85
14	c2	512	CLA	C3B-C4B-NB	-2.95	107.90	110.53
14	T	519	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
14	n	501	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
17	aI	4019	BCR	C33-C5-C6	-2.95	121.27	124.48
17	a2	523	BCR	C38-C26-C25	-2.95	121.27	124.48
14	a5	502	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
14	cA	1125	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
14	c2	505	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
14	i	504	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
14	a6	516	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
17	b3	524	BCR	C33-C5-C4	2.95	119.88	113.60
18	aX	4021	LHG	O8-C23-C24	2.95	120.83	111.83
20	c6	822	SQD	O9-S-C6	2.95	111.16	106.76
14	c2	501	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
14	c4	517	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
14	c	517	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
14	cK	1401	CLA	C3B-C4B-NB	-2.95	107.90	110.53
17	n	524	BCR	C33-C5-C4	2.95	119.88	113.60
14	b1	501	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
14	c5	505	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
14	p	519	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
17	o	523	BCR	C7-C8-C9	-2.95	121.87	126.23
14	a2	508	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
14	aA	1110	CLA	C3B-C4B-NB	-2.95	107.90	110.53
14	cB	1209	CLA	C3B-C4B-NB	-2.95	107.90	110.53
14	T	508	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
17	aI	4020	BCR	C3-C4-C5	-2.95	108.80	114.06
17	c4	522	BCR	C28-C27-C26	-2.95	108.80	114.06
17	q	524	BCR	C33-C5-C4	2.95	119.88	113.60
14	c2	517	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
14	Y	505	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
14	b3	504	CLA	C3B-C4B-NB	-2.95	107.90	110.53
14	a	504	CLA	C3B-C4B-NB	-2.95	107.90	110.53
14	V	517	CLA	O2D-CGD-O1D	-2.95	118.11	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	d	523	BCR	C3-C4-C5	-2.95	108.80	114.06
14	a5	507	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
14	bB	1204	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
14	o	512	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
14	Z	517	CLA	C3B-C4B-NB	-2.95	107.90	110.53
18	bA	5003	LHG	O8-C23-C24	2.94	120.81	111.83
14	q	505	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
14	cA	1110	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
14	bA	1113	CLA	C3B-C4B-NB	-2.94	107.90	110.53
14	V	501	CLA	C3B-C4B-NB	-2.94	107.90	110.53
14	Y	512	CLA	C3B-C4B-NB	-2.94	107.90	110.53
17	aM	4021	BCR	C20-C19-C18	-2.94	118.29	126.36
17	c5	523	BCR	C28-C27-C26	-2.94	108.81	114.06
14	a6	519	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
14	b2	506	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
14	Y	517	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
14	c	513	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
17	k	524	BCR	C8-C7-C6	-2.94	119.14	127.00
17	c	523	BCR	C28-C27-C26	-2.94	108.81	114.06
14	aA	1105	CLA	C3B-C4B-NB	-2.94	107.90	110.53
14	bB	1209	CLA	C3B-C4B-NB	-2.94	107.90	110.53
14	g	504	CLA	C3B-C4B-NB	-2.94	107.90	110.53
14	bB	1215	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
14	cA	1109	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
14	h	512	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
14	q	501	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
17	aA	4007	BCR	C24-C23-C22	-2.94	121.88	126.23
14	b5	517	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
14	m	518	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
14	n	505	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
14	o	505	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
14	b6	517	CLA	C3B-C4B-NB	-2.94	107.90	110.53
14	X	517	CLA	C3B-C4B-NB	-2.94	107.90	110.53
14	g	501	CLA	C3B-C4B-NB	-2.94	107.90	110.53
17	b5	522	BCR	C28-C27-C26	-2.94	108.81	114.06
17	cI	4018	BCR	C27-C26-C25	-2.94	118.73	122.70
14	c	501	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
14	l	512	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
14	bA	1133	CLA	C3B-C4B-NB	-2.94	107.91	110.53
14	b1	506	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
14	cJ	1303	CLA	C1-C2-C3	2.94	131.01	126.20
14	c4	512	CLA	C3B-C4B-NB	-2.94	107.91	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b5	512	CLA	C3B-C4B-NB	-2.94	107.91	110.53
14	c3	512	CLA	C3B-C4B-NB	-2.94	107.91	110.53
14	aA	1113	CLA	O2D-CGD-O1D	-2.94	118.13	123.85
14	aB	1215	CLA	O2D-CGD-O1D	-2.94	118.13	123.85
14	e	504	CLA	O2D-CGD-O1D	-2.94	118.13	123.85
17	U	523	BCR	C38-C26-C25	-2.94	121.28	124.48
17	aB	4009	BCR	C3-C4-C5	-2.94	108.82	114.06
14	bL	1502	CLA	C3B-C4B-NB	-2.94	107.91	110.53
14	cB	1231	CLA	C3B-C4B-NB	-2.94	107.91	110.53
14	a2	516	CLA	O2D-CGD-O1D	-2.94	118.13	123.85
14	a6	511	CLA	O2D-CGD-O1D	-2.94	118.13	123.85
14	cB	1215	CLA	O2D-CGD-O1D	-2.94	118.13	123.85
14	cL	1502	CLA	O2D-CGD-O1D	-2.94	118.13	123.85
14	c6	517	CLA	O2D-CGD-O1D	-2.94	118.13	123.85
17	i	524	BCR	C33-C5-C4	2.94	119.86	113.60
14	p	504	CLA	O2D-CGD-O1D	-2.94	118.13	123.85
18	bX	4021	LHG	O8-C23-C24	2.94	120.79	111.83
20	T	822	SQD	O5-C5-C4	2.94	114.99	109.70
14	c6	506	CLA	O2D-CGD-O1D	-2.94	118.13	123.85
14	aB	1209	CLA	C3B-C4B-NB	-2.94	107.91	110.53
14	W	517	CLA	C3B-C4B-NB	-2.94	107.91	110.53
14	p	512	CLA	O2D-CGD-O1D	-2.94	118.13	123.85
14	c3	506	CLA	O2D-CGD-O1D	-2.94	118.14	123.85
14	e	511	CLA	O2D-CGD-O1D	-2.94	118.14	123.85
17	g	523	BCR	C3-C4-C5	-2.93	108.82	114.06
14	bA	1125	CLA	O2D-CGD-O1D	-2.93	118.14	123.85
14	aB	1222	CLA	O2D-CGD-O1D	-2.93	118.14	123.85
14	a6	505	CLA	O2D-CGD-O1D	-2.93	118.14	123.85
14	b6	516	CLA	O2D-CGD-O1D	-2.93	118.14	123.85
14	bB	1209	CLA	O2D-CGD-CBD	2.93	116.36	111.23
14	bB	1021	CLA	O2D-CGD-O1D	-2.93	118.14	123.85
14	c3	517	CLA	O2D-CGD-O1D	-2.93	118.14	123.85
17	c2	521	BCR	C38-C26-C25	-2.93	121.28	124.48
20	q	822	SQD	O9-S-C6	2.93	111.13	106.76
14	c3	508	CLA	O2D-CGD-O1D	-2.93	118.14	123.85
14	X	508	CLA	O2D-CGD-O1D	-2.93	118.14	123.85
17	o	524	BCR	C33-C5-C4	2.93	119.85	113.60
17	d	522	BCR	C28-C27-C26	-2.93	108.83	114.06
14	bB	1236	CLA	O2D-CGD-O1D	-2.93	118.14	123.85
17	f	524	BCR	C8-C7-C6	-2.93	119.17	127.00
14	a4	511	CLA	O2D-CGD-O1D	-2.93	118.14	123.85
14	b6	506	CLA	O2D-CGD-O1D	-2.93	118.14	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	aM	4021	BCR	C16-C15-C14	-2.93	117.52	123.52
17	b2	524	BCR	C33-C5-C4	2.93	119.84	113.60
14	a2	511	CLA	O2D-CGD-O1D	-2.93	118.15	123.85
14	i	511	CLA	O2D-CGD-O1D	-2.93	118.15	123.85
14	n	513	CLA	O2D-CGD-O1D	-2.93	118.15	123.85
14	aA	1132	CLA	C3B-C4B-NB	-2.93	107.92	110.53
14	aB	1201	CLA	C3B-C4B-NB	-2.93	107.92	110.53
17	V	522	BCR	C11-C12-C13	-2.93	118.33	126.36
14	aB	1208	CLA	O2D-CGD-O1D	-2.93	118.15	123.85
14	b3	501	CLA	O2D-CGD-O1D	-2.93	118.15	123.85
14	o	518	CLA	O2D-CGD-O1D	-2.93	118.15	123.85
14	W	518	CLA	O2D-CGD-O1D	-2.93	118.15	123.85
17	b5	522	BCR	C24-C23-C22	-2.93	121.90	126.23
14	aB	1230	CLA	O2D-CGD-O1D	-2.93	118.15	123.85
17	aA	4007	BCR	C28-C27-C26	-2.93	108.84	114.06
14	cA	1125	CLA	C3B-C4B-NB	-2.93	107.92	110.53
14	aB	1021	CLA	O2D-CGD-O1D	-2.93	118.15	123.85
14	bB	1238	CLA	O2D-CGD-O1D	-2.93	118.15	123.85
14	b6	505	CLA	O2D-CGD-O1D	-2.93	118.15	123.85
14	c4	511	CLA	O2D-CGD-O1D	-2.93	118.15	123.85
14	W	516	CLA	O2D-CGD-O1D	-2.93	118.15	123.85
14	q	512	CLA	O2D-CGD-O1D	-2.93	118.15	123.85
14	aA	1131	CLA	O2D-CGD-O1D	-2.93	118.15	123.85
14	bA	1133	CLA	O2D-CGD-O1D	-2.93	118.15	123.85
17	c3	524	BCR	C7-C8-C9	-2.93	121.91	126.23
14	a4	512	CLA	C3B-C4B-NB	-2.93	107.92	110.53
14	b5	516	CLA	C3B-C4B-NB	-2.93	107.92	110.53
17	f	521	BCR	C20-C19-C18	-2.93	118.34	126.36
17	cA	4003	BCR	C28-C27-C26	-2.93	108.84	114.06
14	Z	512	CLA	O2D-CGD-O1D	-2.93	118.15	123.85
14	c	504	CLA	O2D-CGD-O1D	-2.93	118.15	123.85
14	cA	1132	CLA	C3B-C4B-NB	-2.92	107.92	110.53
17	q	522	BCR	C3-C4-C5	-2.92	108.84	114.06
14	bB	1207	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
14	W	506	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
14	e	512	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
17	aJ	4013	BCR	C15-C16-C17	-2.92	117.54	123.52
17	aI	4020	BCR	C8-C7-C6	-2.92	119.19	127.00
14	b6	517	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
14	a	513	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
17	V	521	BCR	C38-C26-C25	-2.92	121.29	124.48
14	bA	1131	CLA	O2D-CGD-O1D	-2.92	118.16	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	cF	4014	BCR	C28-C27-C26	-2.92	108.84	114.06
14	bB	1229	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
14	c6	508	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
14	X	511	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
14	b4	504	CLA	C3B-C4B-NB	-2.92	107.92	110.53
14	b1	513	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
14	h	511	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
14	bA	1129	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
14	i	512	CLA	C3B-C4B-NB	-2.92	107.92	110.53
14	k	517	CLA	C3B-C4B-NB	-2.92	107.92	110.53
14	aA	1129	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
14	aB	1229	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
14	b3	511	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
14	k	508	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
14	a2	504	CLA	C3B-C4B-NB	-2.92	107.92	110.53
14	c5	512	CLA	C3B-C4B-NB	-2.92	107.92	110.53
17	S	523	BCR	C7-C8-C9	-2.92	121.92	126.23
14	cB	1230	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
14	V	513	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
14	a	517	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
14	g	512	CLA	O2D-CGD-O1D	-2.92	118.17	123.85
14	aB	1205	CLA	C3B-C4B-NB	-2.92	107.92	110.53
14	d	501	CLA	C3B-C4B-NB	-2.92	107.92	110.53
14	g	511	CLA	O2D-CGD-O1D	-2.92	118.17	123.85
14	b4	516	CLA	O2D-CGD-O1D	-2.92	118.17	123.85
14	f	507	CLA	O2D-CGD-O1D	-2.92	118.17	123.85
14	Y	517	CLA	C3B-C4B-NB	-2.92	107.92	110.53
14	c2	508	CLA	O2D-CGD-O1D	-2.92	118.17	123.85
18	cA	5001	LHG	O8-C23-C24	2.92	120.73	111.83
14	c4	513	CLA	O2D-CGD-O1D	-2.92	118.17	123.85
14	Z	517	CLA	O2D-CGD-O1D	-2.92	118.17	123.85
14	cA	1105	CLA	C3B-C4B-NB	-2.92	107.93	110.53
14	a4	510	CLA	C1-C2-C3	-2.92	121.42	126.20
14	cB	1021	CLA	O2D-CGD-O1D	-2.92	118.17	123.85
14	j	511	CLA	O2D-CGD-O1D	-2.92	118.17	123.85
14	b	511	CLA	O2D-CGD-O1D	-2.92	118.17	123.85
14	a6	503	CLA	C3B-C4B-NB	-2.92	107.93	110.53
14	a3	508	CLA	O2D-CGD-O1D	-2.92	118.17	123.85
14	U	505	CLA	O2D-CGD-O1D	-2.92	118.17	123.85
17	m	524	BCR	C33-C5-C4	2.92	119.81	113.60
17	c	521	BCR	C3-C4-C5	-2.91	108.86	114.06
17	p	523	BCR	C3-C4-C5	-2.91	108.86	114.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	aA	1130	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	b3	505	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	b5	501	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	cJ	1303	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	X	517	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	f	506	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
18	cA	5003	LHG	O8-C23-C24	2.91	120.72	111.83
14	a1	512	CLA	C3B-C4B-NB	-2.91	107.93	110.53
14	T	512	CLA	C3B-C4B-NB	-2.91	107.93	110.53
14	a4	504	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	b1	505	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
17	e	523	BCR	C3-C4-C5	-2.91	108.86	114.06
14	V	519	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	b	513	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
17	cB	4004	BCR	C28-C27-C26	-2.91	108.86	114.06
14	Z	516	CLA	C3B-C4B-NB	-2.91	107.93	110.53
14	aA	1102	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	a3	506	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	a	502	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	j	513	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	a1	511	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	bA	1126	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	bA	1130	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	b2	511	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	cB	1023	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	c3	516	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	V	501	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	i	507	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	b1	512	CLA	C3B-C4B-NB	-2.91	107.93	110.53
14	cA	1138	CLA	C3B-C4B-NB	-2.91	107.93	110.53
14	Z	512	CLA	C3B-C4B-NB	-2.91	107.93	110.53
14	aB	1223	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	U	501	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	Z	511	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	d	517	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	bA	1112	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	cB	1207	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	cB	1211	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	S	512	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	i	512	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
20	a4	822	SQD	O5-C5-C4	2.91	114.94	109.70
14	aB	1204	CLA	O2D-CGD-O1D	-2.91	118.18	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	aB	1207	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	b1	517	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	b4	517	CLA	C3B-C4B-NB	-2.91	107.93	110.53
14	cA	1124	CLA	C3B-C4B-NB	-2.91	107.93	110.53
21	c1	5104	LMG	O6-C1-O1	-2.91	103.17	110.04
17	b	523	BCR	C28-C27-C26	-2.91	108.87	114.06
17	i	523	BCR	C28-C27-C26	-2.91	108.87	114.06
14	aA	1121	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
14	bA	1137	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
14	U	504	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
14	g	510	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
14	bB	1234	CLA	C3B-C4B-NB	-2.91	107.93	110.53
14	c4	517	CLA	C3B-C4B-NB	-2.91	107.93	110.53
14	aB	1214	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
14	Y	516	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
14	m	516	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
14	q	519	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
14	aL	1502	CLA	C3B-C4B-NB	-2.91	107.93	110.53
14	cB	1218	CLA	C3B-C4B-NB	-2.91	107.93	110.53
14	c1	511	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
14	c5	513	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
14	h	516	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
17	a	522	BCR	C28-C27-C26	-2.91	108.87	114.06
14	a5	506	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
14	c6	505	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
14	bB	1023	CLA	C3B-C4B-NB	-2.91	107.94	110.53
14	bA	1118	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
17	a3	524	BCR	C33-C5-C4	2.91	119.79	113.60
14	U	519	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
14	Y	507	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
14	a	516	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
14	b3	512	CLA	C3B-C4B-NB	-2.91	107.94	110.53
14	b	512	CLA	C3B-C4B-NB	-2.91	107.94	110.53
14	a2	506	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
14	d	513	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
14	a5	508	CLA	O2D-CGD-O1D	-2.90	118.19	123.85
14	b6	512	CLA	O2D-CGD-O1D	-2.90	118.19	123.85
14	cA	1137	CLA	O2D-CGD-O1D	-2.90	118.19	123.85
14	cB	1236	CLA	O2D-CGD-O1D	-2.90	118.19	123.85
14	U	513	CLA	O2D-CGD-O1D	-2.90	118.19	123.85
14	i	513	CLA	O2D-CGD-O1D	-2.90	118.19	123.85
14	c4	508	CLA	O2D-CGD-O1D	-2.90	118.19	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	U	512	CLA	O2D-CGD-O1D	-2.90	118.19	123.85
14	Y	508	CLA	O2D-CGD-O1D	-2.90	118.19	123.85
14	d	501	CLA	O2D-CGD-O1D	-2.90	118.19	123.85
17	a3	523	BCR	C3-C4-C5	-2.90	108.88	114.06
14	W	512	CLA	C3B-C4B-NB	-2.90	107.94	110.53
14	p	512	CLA	C3B-C4B-NB	-2.90	107.94	110.53
14	i	505	CLA	O2D-CGD-O1D	-2.90	118.20	123.85
20	b6	822	SQD	O48-C23-C24	2.90	119.96	111.15
17	bA	4008	BCR	C28-C27-C26	-2.90	108.88	114.06
14	aK	1103	CLA	C3B-C4B-NB	-2.90	107.94	110.53
17	b4	523	BCR	C38-C26-C25	-2.90	121.32	124.48
17	V	524	BCR	C33-C5-C4	2.90	119.78	113.60
14	a4	506	CLA	O2D-CGD-O1D	-2.90	118.20	123.85
14	b2	516	CLA	O2D-CGD-O1D	-2.90	118.20	123.85
14	a5	519	CLA	O2D-CGD-O1D	-2.90	118.20	123.85
14	bA	1109	CLA	O2D-CGD-O1D	-2.90	118.20	123.85
14	bK	1103	CLA	C3B-C4B-NB	-2.90	107.94	110.53
14	c1	517	CLA	C3B-C4B-NB	-2.90	107.94	110.53
14	m	504	CLA	C3B-C4B-NB	-2.90	107.94	110.53
14	aB	1226	CLA	O2D-CGD-O1D	-2.90	118.20	123.85
14	a6	513	CLA	O2D-CGD-O1D	-2.90	118.20	123.85
14	bA	1110	CLA	O2D-CGD-O1D	-2.90	118.20	123.85
14	b5	505	CLA	O2D-CGD-O1D	-2.90	118.20	123.85
17	W	524	BCR	C33-C5-C4	2.90	119.78	113.60
14	bA	1121	CLA	O2D-CGD-O1D	-2.90	118.20	123.85
14	bB	1230	CLA	O2D-CGD-O1D	-2.90	118.20	123.85
14	b4	508	CLA	O2D-CGD-O1D	-2.90	118.20	123.85
14	T	502	CLA	O2D-CGD-O1D	-2.90	118.20	123.85
17	Y	524	BCR	C8-C7-C6	-2.90	119.25	127.00
17	Y	523	BCR	C3-C4-C5	-2.90	108.88	114.06
14	a2	518	CLA	C3B-C4B-NB	-2.90	107.94	110.53
14	h	517	CLA	C3B-C4B-NB	-2.90	107.94	110.53
14	a4	519	CLA	O2D-CGD-O1D	-2.90	118.20	123.85
14	a	505	CLA	O2D-CGD-O1D	-2.90	118.20	123.85
14	cA	1013	CLA	O2D-CGD-O1D	-2.90	118.20	123.85
14	c4	505	CLA	O2D-CGD-O1D	-2.90	118.20	123.85
14	c4	519	CLA	O2D-CGD-O1D	-2.90	118.20	123.85
14	b1	512	CLA	O2D-CGD-O1D	-2.90	118.20	123.85
17	aB	4010	BCR	C8-C7-C6	-2.90	119.25	127.00
14	S	502	CLA	O2D-CGD-O1D	-2.90	118.21	123.85
14	V	511	CLA	O2D-CGD-O1D	-2.90	118.21	123.85
14	b3	513	CLA	O2D-CGD-O1D	-2.90	118.21	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b6	501	CLA	C3B-C4B-NB	-2.90	107.94	110.53
14	cA	1136	CLA	C3B-C4B-NB	-2.90	107.94	110.53
14	q	516	CLA	C3B-C4B-NB	-2.90	107.94	110.53
14	aB	1209	CLA	O2D-CGD-CBD	2.90	116.30	111.23
14	aA	1133	CLA	O2D-CGD-O1D	-2.90	118.21	123.85
14	aB	1236	CLA	O2D-CGD-O1D	-2.90	118.21	123.85
14	a6	506	CLA	O2D-CGD-O1D	-2.90	118.21	123.85
14	cA	1108	CLA	O2D-CGD-O1D	-2.90	118.21	123.85
14	c1	503	CLA	O2D-CGD-O1D	-2.90	118.21	123.85
14	X	505	CLA	O2D-CGD-O1D	-2.90	118.21	123.85
14	bB	1214	CLA	O2D-CGD-O1D	-2.90	118.21	123.85
14	c1	512	CLA	C3B-C4B-NB	-2.90	107.94	110.53
14	j	517	CLA	C3B-C4B-NB	-2.90	107.94	110.53
14	a2	505	CLA	O2D-CGD-O1D	-2.90	118.21	123.85
14	g	516	CLA	O2D-CGD-O1D	-2.90	118.21	123.85
14	aA	1109	CLA	O2D-CGD-O1D	-2.90	118.21	123.85
14	bA	1103	CLA	O2D-CGD-O1D	-2.90	118.21	123.85
14	b4	504	CLA	O2D-CGD-O1D	-2.90	118.21	123.85
14	cA	1130	CLA	O2D-CGD-O1D	-2.90	118.21	123.85
14	c3	513	CLA	O2D-CGD-O1D	-2.90	118.21	123.85
14	cA	1116	CLA	C3B-C4B-NB	-2.90	107.94	110.53
14	S	504	CLA	C3B-C4B-NB	-2.90	107.94	110.53
14	a	517	CLA	C3B-C4B-NB	-2.90	107.94	110.53
14	k	503	CLA	O2D-CGD-O1D	-2.90	118.21	123.85
14	m	507	CLA	O2D-CGD-O1D	-2.90	118.21	123.85
14	aA	1110	CLA	O2D-CGD-O1D	-2.89	118.21	123.85
14	aA	1118	CLA	O2D-CGD-O1D	-2.89	118.21	123.85
14	b2	518	CLA	O2D-CGD-O1D	-2.89	118.21	123.85
14	X	513	CLA	O2D-CGD-O1D	-2.89	118.21	123.85
14	aB	1232	CLA	C3B-C4B-NB	-2.89	107.95	110.53
14	S	508	CLA	O2D-CGD-O1D	-2.89	118.21	123.85
14	l	513	CLA	O2D-CGD-O1D	-2.89	118.21	123.85
14	n	519	CLA	O2D-CGD-O1D	-2.89	118.21	123.85
17	i	522	BCR	C23-C24-C25	-2.89	119.27	127.00
14	f	501	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
14	bB	1221	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
14	cA	1101	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
14	c1	504	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
14	h	517	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
14	a2	513	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
14	a6	512	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
14	p	506	CLA	O2D-CGD-O1D	-2.89	118.22	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	c3	505	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
14	g	508	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
14	g	513	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
14	bA	1116	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
14	a	511	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
14	o	513	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
14	a1	505	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
14	a2	519	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
14	b2	519	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
14	cA	1118	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
14	X	512	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
14	j	502	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
14	b6	518	CLA	C3B-C4B-NB	-2.89	107.95	110.53
14	X	512	CLA	C3B-C4B-NB	-2.89	107.95	110.53
17	bA	4007	BCR	C23-C24-C25	-2.89	119.28	127.00
17	e	524	BCR	C33-C5-C4	2.89	119.76	113.60
14	cA	1022	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
14	cB	1012	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
14	cB	1232	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
14	c6	510	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
17	bB	4009	BCR	C8-C7-C6	-2.89	119.28	127.00
14	X	501	CLA	C3B-C4B-NB	-2.89	107.95	110.53
14	o	516	CLA	C3B-C4B-NB	-2.89	107.95	110.53
14	b5	512	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
14	e	513	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
14	bA	1112	CLA	C3B-C4B-NB	-2.89	107.95	110.53
14	b1	501	CLA	C3B-C4B-NB	-2.89	107.95	110.53
14	X	504	CLA	C3B-C4B-NB	-2.89	107.95	110.53
14	c1	513	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
14	b	504	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
17	bA	4007	BCR	C24-C23-C22	-2.89	121.96	126.23
14	a5	505	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
14	b5	506	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
14	c4	506	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
14	S	501	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
14	Z	506	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
14	h	513	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
14	m	506	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
14	a2	512	CLA	C3B-C4B-NB	-2.89	107.95	110.53
14	a5	511	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
14	f	512	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
14	l	503	CLA	O2D-CGD-O1D	-2.89	118.23	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	o	523	BCR	C38-C26-C25	-2.89	121.33	124.48
14	a6	501	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
14	c2	513	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
14	o	508	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
17	o	522	BCR	C15-C16-C17	-2.89	117.61	123.52
14	a6	502	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
14	c3	511	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
14	k	512	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
17	cB	4009	BCR	C3-C4-C5	-2.89	108.91	114.06
14	S	511	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
14	d	506	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
14	d	519	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
14	j	512	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
14	m	504	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
17	a5	523	BCR	C24-C23-C22	-2.89	121.97	126.23
14	m	512	CLA	C3B-C4B-NB	-2.89	107.95	110.53
14	aB	1235	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
14	cA	1131	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
14	cB	1213	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
14	c1	505	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
14	U	503	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
17	S	524	BCR	C33-C5-C4	2.88	119.75	113.60
14	aA	1116	CLA	O2D-CGD-O1D	-2.88	118.23	123.85
14	bB	1012	CLA	O2D-CGD-O1D	-2.88	118.23	123.85
14	n	504	CLA	O2D-CGD-O1D	-2.88	118.23	123.85
14	n	508	CLA	O2D-CGD-O1D	-2.88	118.23	123.85
14	a6	517	CLA	C3B-C4B-NB	-2.88	107.95	110.53
14	c3	504	CLA	O2D-CGD-O1D	-2.88	118.23	123.85
14	c	506	CLA	O2D-CGD-O1D	-2.88	118.23	123.85
14	i	508	CLA	O2D-CGD-O1D	-2.88	118.23	123.85
17	b4	521	BCR	C3-C4-C5	-2.88	108.91	114.06
14	h	506	CLA	O2D-CGD-O1D	-2.88	118.23	123.85
17	bB	4010	BCR	C8-C7-C6	-2.88	119.30	127.00
14	n	504	CLA	C3B-C4B-NB	-2.88	107.96	110.53
14	a1	513	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	bB	1216	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	b3	507	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	b3	508	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	b3	518	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	V	506	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	a3	505	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	b4	506	CLA	O2D-CGD-O1D	-2.88	118.24	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	bA	1138	CLA	C3B-C4B-NB	-2.88	107.96	110.53
14	c3	517	CLA	C3B-C4B-NB	-2.88	107.96	110.53
17	c1	524	BCR	C38-C26-C25	-2.88	121.34	124.48
17	W	524	BCR	C38-C26-C25	-2.88	121.34	124.48
14	cB	1214	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	cB	1235	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	c5	510	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	aA	1123	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	a3	518	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	bF	1301	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	cA	1237	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	cB	1217	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	U	517	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	g	506	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	q	502	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	U	501	CLA	C3B-C4B-NB	-2.88	107.96	110.53
14	p	501	CLA	C3B-C4B-NB	-2.88	107.96	110.53
18	aA	5001	LHG	O8-C23-C24	2.88	120.62	111.83
20	Y	822	SQD	O7-S-C6	2.88	111.06	106.76
14	bA	1113	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	f	502	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	o	517	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	a6	501	CLA	C3B-C4B-NB	-2.88	107.96	110.53
14	cB	1023	CLA	C3B-C4B-NB	-2.88	107.96	110.53
14	cB	1205	CLA	C3B-C4B-NB	-2.88	107.96	110.53
14	a5	516	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	c5	512	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	e	508	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	h	504	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
17	bB	4005	BCR	C28-C27-C26	-2.88	108.92	114.06
17	h	524	BCR	C33-C5-C4	2.88	119.73	113.60
14	bB	1208	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	T	503	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	V	503	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	X	519	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	a	504	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
17	c	524	BCR	C33-C5-C4	2.88	119.73	113.60
14	aB	1233	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
14	b6	508	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
14	S	507	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
14	a3	504	CLA	C1-C2-C3	-2.88	121.48	126.20
14	aB	1232	CLA	O2D-CGD-O1D	-2.88	118.25	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	cB	1216	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
14	c6	512	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
14	Z	503	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
14	c	508	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
14	cL	1502	CLA	C3B-C4B-NB	-2.88	107.96	110.53
14	c	501	CLA	C3B-C4B-NB	-2.88	107.96	110.53
14	f	512	CLA	C3B-C4B-NB	-2.88	107.96	110.53
14	aB	1210	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
14	a1	510	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
14	cX	1401	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
14	Z	519	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
14	m	502	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
17	cB	4017	BCR	C11-C10-C9	-2.88	123.24	127.28
14	b4	517	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
14	b	502	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
14	l	507	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
14	a3	518	CLA	C3B-C4B-NB	-2.88	107.96	110.53
14	cA	1122	CLA	C3B-C4B-NB	-2.88	107.96	110.53
14	i	504	CLA	C3B-C4B-NB	-2.88	107.96	110.53
14	cB	1233	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
14	h	519	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
17	cA	4007	BCR	C28-C27-C26	-2.88	108.93	114.06
14	aB	1205	CLA	C1-C2-C3	-2.88	121.48	126.20
14	W	507	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
14	d	511	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
14	e	507	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
14	i	510	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
17	aM	4021	BCR	C38-C26-C25	-2.88	121.35	124.48
14	a5	501	CLA	C3B-C4B-NB	-2.88	107.96	110.53
14	f	501	CLA	C3B-C4B-NB	-2.88	107.96	110.53
14	o	504	CLA	C3B-C4B-NB	-2.88	107.96	110.53
14	p	519	CLA	C3B-C4B-NB	-2.88	107.96	110.53
14	a5	513	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
14	bB	1210	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
14	b2	513	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
14	T	511	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
14	Z	505	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
14	d	504	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
14	cB	1205	CLA	C1-C2-C3	-2.88	121.49	126.20
14	c6	504	CLA	O2D-CGD-O1D	-2.87	118.25	123.85
14	n	506	CLA	O2D-CGD-O1D	-2.87	118.25	123.85
14	a4	508	CLA	O2D-CGD-O1D	-2.87	118.25	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a6	503	CLA	O2D-CGD-O1D	-2.87	118.25	123.85
14	bB	1228	CLA	O2D-CGD-O1D	-2.87	118.25	123.85
14	p	509	CLA	O2D-CGD-O1D	-2.87	118.25	123.85
14	bB	1233	CLA	O2D-CGD-O1D	-2.87	118.25	123.85
17	X	522	BCR	C15-C16-C17	-2.87	117.64	123.52
14	bA	1123	CLA	O2D-CGD-O1D	-2.87	118.25	123.85
14	Z	518	CLA	O2D-CGD-O1D	-2.87	118.25	123.85
14	c	502	CLA	O2D-CGD-O1D	-2.87	118.25	123.85
14	b4	512	CLA	C3B-C4B-NB	-2.87	107.97	110.53
14	a4	505	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	b3	510	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	b6	513	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	k	511	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	q	506	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	aL	1501	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	W	519	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	c4	501	CLA	C3B-C4B-NB	-2.87	107.97	110.53
14	b	517	CLA	C3B-C4B-NB	-2.87	107.97	110.53
17	aL	4022	BCR	C38-C26-C25	-2.87	121.35	124.48
14	a2	518	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	bA	1022	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	bB	1235	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	U	508	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	q	504	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	a3	512	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	j	517	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
17	aB	4005	BCR	C3-C4-C5	-2.87	108.94	114.06
14	W	508	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	e	503	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	i	502	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
17	a1	523	BCR	C38-C26-C25	-2.87	121.35	124.48
14	b1	504	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	f	518	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	a3	517	CLA	C3B-C4B-NB	-2.87	107.97	110.53
14	cA	1110	CLA	C3B-C4B-NB	-2.87	107.97	110.53
14	c3	518	CLA	C3B-C4B-NB	-2.87	107.97	110.53
14	a5	518	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	T	507	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	p	510	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	aB	1216	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	cB	1210	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	S	504	CLA	O2D-CGD-O1D	-2.87	118.26	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	f	516	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	i	519	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	bB	1203	CLA	C3B-C4B-NB	-2.87	107.97	110.53
14	Y	518	CLA	C3B-C4B-NB	-2.87	107.97	110.53
14	a	519	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	U	518	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
14	k	506	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
14	q	513	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
14	b6	510	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
14	c1	516	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
14	g	507	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
14	k	502	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
14	aA	1106	CLA	C3B-C4B-NB	-2.87	107.97	110.53
17	a5	524	BCR	C3-C4-C5	-2.87	108.94	114.06
14	cB	1231	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
14	c2	504	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
20	V	822	SQD	C44-O6-C1	2.87	119.94	113.80
14	cA	1121	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
14	c	519	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
14	l	502	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
14	a1	517	CLA	C3B-C4B-NB	-2.87	107.97	110.53
14	bA	1129	CLA	C3B-C4B-NB	-2.87	107.97	110.53
14	T	501	CLA	C3B-C4B-NB	-2.87	107.97	110.53
14	T	516	CLA	C3B-C4B-NB	-2.87	107.97	110.53
14	aA	1108	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
14	aA	1013	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
14	a2	517	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
14	c	510	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
14	aA	1135	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
14	q	507	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
14	cA	1106	CLA	C3B-C4B-NB	-2.87	107.97	110.53
14	W	504	CLA	C3B-C4B-NB	-2.87	107.97	110.53
14	Y	501	CLA	C3B-C4B-NB	-2.87	107.97	110.53
14	a1	519	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
14	b3	512	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
14	g	519	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
14	h	503	CLA	O2D-CGD-O1D	-2.86	118.27	123.85
14	cB	1223	CLA	O2D-CGD-O1D	-2.86	118.27	123.85
14	c3	512	CLA	O2D-CGD-O1D	-2.86	118.27	123.85
14	n	510	CLA	O2D-CGD-O1D	-2.86	118.27	123.85
14	a1	502	CLA	O2D-CGD-O1D	-2.86	118.27	123.85
14	c2	516	CLA	O2D-CGD-O1D	-2.86	118.27	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	cA	1114	CLA	C3B-C4B-NB	-2.86	107.97	110.53
14	a3	502	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	c2	519	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	c6	502	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	c	511	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	h	502	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	j	503	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	l	510	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	m	501	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	o	503	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
20	Y	822	SQD	C1-O5-C5	2.86	119.31	113.72
14	cA	1126	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	cB	1238	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	a4	507	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	a4	512	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	b5	513	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	c3	519	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	Z	507	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	f	517	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	g	503	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	m	513	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
17	bB	4004	BCR	C28-C27-C26	-2.86	108.95	114.06
14	aB	1226	CLA	C1-C2-C3	-2.86	121.51	126.20
17	b4	523	BCR	C8-C7-C6	-2.86	119.35	127.00
14	i	503	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
17	cA	4007	BCR	C23-C24-C25	-2.86	119.36	127.00
17	W	524	BCR	C8-C7-C6	-2.86	119.36	127.00
14	a6	508	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	bA	1237	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	f	510	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	c1	504	CLA	C3B-C4B-NB	-2.86	107.98	110.53
14	c5	508	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	W	513	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	e	517	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	aA	1120	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	b2	505	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	b3	504	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	b5	508	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	b6	501	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	c2	518	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	c5	501	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	c5	517	CLA	O2D-CGD-O1D	-2.86	118.28	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Y	506	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	k	507	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	n	502	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
17	aA	4007	BCR	C20-C21-C22	-2.86	123.27	127.28
14	f	518	CLA	C3B-C4B-NB	-2.86	107.98	110.53
17	cB	4010	BCR	C8-C7-C6	-2.86	119.36	127.00
14	aA	1101	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	a3	510	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	o	507	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	bX	1401	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	b4	512	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	b5	502	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	cL	1501	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	c1	502	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	S	519	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	Y	513	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	d	512	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
17	cJ	4013	BCR	C11-C12-C13	-2.86	118.52	126.36
14	aB	1234	CLA	C3B-C4B-NB	-2.86	107.98	110.53
14	b4	513	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	d	518	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	m	517	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	a3	513	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	c5	511	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	U	511	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	k	510	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	q	503	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	cA	1129	CLA	C3B-C4B-NB	-2.86	107.98	110.53
14	V	512	CLA	C3B-C4B-NB	-2.86	107.98	110.53
14	aA	1111	CLA	O2D-CGD-O1D	-2.86	118.29	123.85
14	bA	1134	CLA	O2D-CGD-O1D	-2.86	118.29	123.85
14	cA	1134	CLA	O2D-CGD-O1D	-2.86	118.29	123.85
14	k	519	CLA	O2D-CGD-O1D	-2.86	118.29	123.85
14	bB	1226	CLA	O2D-CGD-O1D	-2.86	118.29	123.85
14	a	512	CLA	O2D-CGD-O1D	-2.86	118.29	123.85
14	c	512	CLA	O2D-CGD-O1D	-2.86	118.29	123.85
14	d	502	CLA	O2D-CGD-O1D	-2.86	118.29	123.85
17	b3	524	BCR	C8-C7-C6	-2.86	119.37	127.00
14	e	501	CLA	C3B-C4B-NB	-2.86	107.98	110.53
14	o	501	CLA	C3B-C4B-NB	-2.86	107.98	110.53
14	aB	1203	CLA	O2D-CGD-O1D	-2.86	118.29	123.85
14	cA	1103	CLA	O2D-CGD-O1D	-2.86	118.29	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	a	522	BCR	C23-C24-C25	-2.86	119.37	127.00
14	a1	507	CLA	O2D-CGD-O1D	-2.86	118.29	123.85
14	a4	513	CLA	O2D-CGD-O1D	-2.86	118.29	123.85
14	a4	517	CLA	O2D-CGD-O1D	-2.86	118.29	123.85
14	j	519	CLA	O2D-CGD-O1D	-2.86	118.29	123.85
20	b2	822	SQD	C44-O6-C1	2.86	119.92	113.80
14	b2	510	CLA	O2D-CGD-O1D	-2.86	118.29	123.85
14	c1	507	CLA	O2D-CGD-O1D	-2.86	118.29	123.85
14	c5	504	CLA	O2D-CGD-O1D	-2.86	118.29	123.85
14	cB	1234	CLA	C3B-C4B-NB	-2.86	107.98	110.53
14	c1	510	CLA	C3B-C4B-NB	-2.86	107.98	110.53
14	e	513	CLA	C3B-C4B-NB	-2.86	107.98	110.53
14	bA	1104	CLA	O2D-CGD-O1D	-2.85	118.29	123.85
14	bA	1140	CLA	O2D-CGD-O1D	-2.85	118.29	123.85
14	cA	1129	CLA	O2D-CGD-O1D	-2.85	118.29	123.85
14	c3	518	CLA	O2D-CGD-O1D	-2.85	118.29	123.85
14	S	510	CLA	O2D-CGD-O1D	-2.85	118.29	123.85
17	n	524	BCR	C8-C7-C6	-2.85	119.37	127.00
14	aB	1217	CLA	O2D-CGD-O1D	-2.85	118.29	123.85
14	c1	519	CLA	C3B-C4B-NB	-2.85	107.98	110.53
14	W	501	CLA	C3B-C4B-NB	-2.85	107.98	110.53
14	cA	1116	CLA	O2D-CGD-O1D	-2.85	118.29	123.85
14	cB	1234	CLA	O2D-CGD-O1D	-2.85	118.29	123.85
14	n	503	CLA	O2D-CGD-O1D	-2.85	118.29	123.85
14	b4	504	CLA	O2A-CGA-O1A	-2.85	116.49	123.63
17	cJ	4012	BCR	C4-C5-C6	-2.85	118.85	122.70
20	g	822	SQD	C44-O6-C1	2.85	119.91	113.80
14	a5	510	CLA	O2D-CGD-O1D	-2.85	118.29	123.85
14	Y	503	CLA	O2D-CGD-O1D	-2.85	118.29	123.85
14	a1	516	CLA	C3B-C4B-NB	-2.85	107.98	110.53
14	cB	1211	CLA	C3B-C4B-NB	-2.85	107.98	110.53
17	X	523	BCR	C28-C27-C26	-2.85	108.97	114.06
14	a4	503	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	a6	518	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	cA	1111	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	aB	1238	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	cB	1226	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	p	505	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	aA	1109	CLA	C3B-C4B-NB	-2.85	107.98	110.53
14	V	504	CLA	C3B-C4B-NB	-2.85	107.98	110.53
14	m	501	CLA	C3B-C4B-NB	-2.85	107.98	110.53
17	c3	524	BCR	C24-C23-C22	-2.85	122.02	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	d	524	BCR	C8-C7-C6	-2.85	119.38	127.00
14	cA	1133	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	U	510	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	f	513	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	p	508	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	p	517	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
20	a1	822	SQD	C44-O6-C1	2.85	119.91	113.80
14	aA	1138	CLA	C3B-C4B-NB	-2.85	107.98	110.53
14	a3	512	CLA	C3B-C4B-NB	-2.85	107.98	110.53
14	bA	1106	CLA	C3B-C4B-NB	-2.85	107.98	110.53
14	b2	504	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	g	509	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	m	503	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	a3	519	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	b1	508	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	b5	503	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	d	508	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	o	504	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	a1	501	CLA	C3B-C4B-NB	-2.85	107.99	110.53
14	c5	501	CLA	C3B-C4B-NB	-2.85	107.99	110.53
14	T	518	CLA	C3B-C4B-NB	-2.85	107.99	110.53
14	a	501	CLA	C3B-C4B-NB	-2.85	107.99	110.53
14	a	510	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
17	g	524	BCR	C33-C5-C4	2.85	119.67	113.60
14	aA	1104	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	a2	512	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	a6	510	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	bB	1213	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	b	512	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	f	508	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	V	512	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	a1	504	CLA	C3B-C4B-NB	-2.85	107.99	110.53
14	aA	1107	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	c1	506	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	c2	503	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	i	506	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
17	b4	523	BCR	C7-C8-C9	-2.85	122.02	126.23
14	d	503	CLA	O2D-CGD-O1D	-2.85	118.31	123.85
14	n	512	CLA	O2D-CGD-O1D	-2.85	118.31	123.85
14	b2	512	CLA	C3B-C4B-NB	-2.85	107.99	110.53
17	c3	523	BCR	C38-C26-C25	-2.85	121.38	124.48
14	bB	1234	CLA	O2D-CGD-O1D	-2.85	118.31	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	c	503	CLA	O2D-CGD-O1D	-2.85	118.31	123.85
14	f	504	CLA	O2D-CGD-O1D	-2.85	118.31	123.85
14	a6	507	CLA	O2D-CGD-O1D	-2.85	118.31	123.85
14	bB	1223	CLA	O2D-CGD-O1D	-2.85	118.31	123.85
14	c1	512	CLA	O2D-CGD-O1D	-2.85	118.31	123.85
14	W	502	CLA	O2D-CGD-O1D	-2.85	118.31	123.85
14	f	505	CLA	O2D-CGD-O1D	-2.85	118.31	123.85
14	bB	1232	CLA	C3B-C4B-NB	-2.85	107.99	110.53
14	c4	503	CLA	C3B-C4B-NB	-2.85	107.99	110.53
14	U	516	CLA	C3B-C4B-NB	-2.85	107.99	110.53
14	aA	1115	CLA	O2D-CGD-O1D	-2.85	118.31	123.85
14	c6	513	CLA	O2D-CGD-O1D	-2.85	118.31	123.85
14	h	509	CLA	O2D-CGD-O1D	-2.85	118.31	123.85
14	o	502	CLA	O2D-CGD-O1D	-2.85	118.31	123.85
17	cM	4021	BCR	C16-C15-C14	-2.85	117.70	123.52
17	m	523	BCR	C8-C7-C6	-2.85	119.40	127.00
14	b6	503	CLA	O2D-CGD-O1D	-2.85	118.31	123.85
14	l	508	CLA	O2D-CGD-O1D	-2.85	118.31	123.85
14	bB	1218	CLA	C3B-C4B-NB	-2.85	107.99	110.53
14	cB	1228	CLA	O2D-CGD-O1D	-2.85	118.31	123.85
17	a3	522	BCR	C23-C24-C25	-2.85	119.40	127.00
14	a5	512	CLA	O2D-CGD-O1D	-2.84	118.31	123.85
14	bA	1111	CLA	O2D-CGD-O1D	-2.84	118.31	123.85
14	l	506	CLA	O2D-CGD-O1D	-2.84	118.31	123.85
14	bA	1105	CLA	C3B-C4B-NB	-2.84	107.99	110.53
14	bB	1229	CLA	C3B-C4B-NB	-2.84	107.99	110.53
14	b5	501	CLA	C3B-C4B-NB	-2.84	107.99	110.53
14	bB	1217	CLA	O2D-CGD-O1D	-2.84	118.31	123.85
14	b2	512	CLA	O2D-CGD-O1D	-2.84	118.31	123.85
14	cA	1104	CLA	O2D-CGD-O1D	-2.84	118.31	123.85
14	c3	507	CLA	O2D-CGD-O1D	-2.84	118.31	123.85
14	c4	516	CLA	O2D-CGD-O1D	-2.84	118.31	123.85
14	Z	516	CLA	O2D-CGD-O1D	-2.84	118.31	123.85
14	q	518	CLA	O2D-CGD-O1D	-2.84	118.31	123.85
14	b	508	CLA	O2D-CGD-O1D	-2.84	118.31	123.85
14	aA	1134	CLA	O2D-CGD-O1D	-2.84	118.31	123.85
14	cB	1203	CLA	O2D-CGD-O1D	-2.84	118.31	123.85
14	cF	1301	CLA	O2D-CGD-O1D	-2.84	118.31	123.85
14	T	504	CLA	O2D-CGD-O1D	-2.84	118.31	123.85
14	Z	509	CLA	O2D-CGD-O1D	-2.84	118.31	123.85
14	e	502	CLA	O2D-CGD-O1D	-2.84	118.31	123.85
14	n	518	CLA	O2D-CGD-O1D	-2.84	118.31	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	q	510	CLA	O2D-CGD-O1D	-2.84	118.31	123.85
17	cJ	4013	BCR	C8-C7-C6	-2.84	119.41	127.00
17	bK	4001	BCR	C15-C14-C13	-2.84	123.29	127.28
14	aB	1012	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	a5	504	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	S	503	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	bA	1122	CLA	C3B-C4B-NB	-2.84	107.99	110.53
14	q	504	CLA	C3B-C4B-NB	-2.84	107.99	110.53
17	T	524	BCR	C33-C5-C4	2.84	119.66	113.60
14	bA	1107	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	Z	510	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	aA	1103	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	T	518	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	V	510	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	W	512	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	X	502	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	Y	512	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	b	519	CLA	C3B-C4B-NB	-2.84	107.99	110.53
17	bB	4009	BCR	C3-C4-C5	-2.84	108.99	114.06
14	d	510	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	m	509	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
17	V	522	BCR	C15-C16-C17	-2.84	117.71	123.52
17	bJ	4012	BCR	C4-C5-C6	-2.84	118.87	122.70
17	Y	523	BCR	C33-C5-C6	-2.84	121.39	124.48
14	a4	518	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	c4	503	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	g	504	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	a	507	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	e	506	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	e	518	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	p	507	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
17	U	524	BCR	C33-C5-C4	2.84	119.65	113.60
14	aB	1213	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	Y	502	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	h	518	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	l	518	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	aB	1023	CLA	C3B-C4B-NB	-2.84	108.00	110.53
14	a1	519	CLA	C3B-C4B-NB	-2.84	108.00	110.53
14	b1	517	CLA	C3B-C4B-NB	-2.84	108.00	110.53
14	f	517	CLA	C3B-C4B-NB	-2.84	108.00	110.53
20	b2	822	SQD	O5-C5-C4	2.84	114.81	109.70
17	W	523	BCR	C3-C4-C5	-2.84	108.99	114.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b2	507	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	k	513	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	b6	502	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	h	510	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	c3	501	CLA	C3B-C4B-NB	-2.84	108.00	110.53
14	c6	518	CLA	C3B-C4B-NB	-2.84	108.00	110.53
14	T	504	CLA	C3B-C4B-NB	-2.84	108.00	110.53
14	q	519	CLA	C3B-C4B-NB	-2.84	108.00	110.53
14	a1	504	CLA	O2D-CGD-O1D	-2.84	118.33	123.85
14	b	518	CLA	O2D-CGD-O1D	-2.84	118.33	123.85
14	o	509	CLA	O2D-CGD-O1D	-2.84	118.33	123.85
17	Y	523	BCR	C28-C27-C26	-2.84	109.00	114.06
18	aA	5003	LHG	O8-C23-C24	2.84	120.49	111.83
14	a1	512	CLA	O2D-CGD-O1D	-2.84	118.33	123.85
14	cA	1107	CLA	O2D-CGD-O1D	-2.84	118.33	123.85
14	c3	503	CLA	O2D-CGD-O1D	-2.84	118.33	123.85
14	a	506	CLA	O2D-CGD-O1D	-2.84	118.33	123.85
14	g	518	CLA	O2D-CGD-O1D	-2.84	118.33	123.85
17	c4	524	BCR	C33-C5-C4	2.84	119.64	113.60
17	c2	522	BCR	C15-C16-C17	-2.84	117.72	123.52
14	c6	507	CLA	O2D-CGD-O1D	-2.84	118.33	123.85
14	aB	1229	CLA	C3B-C4B-NB	-2.84	108.00	110.53
14	b4	503	CLA	C3B-C4B-NB	-2.84	108.00	110.53
14	cA	1133	CLA	C3B-C4B-NB	-2.84	108.00	110.53
14	cA	1237	CLA	C3B-C4B-NB	-2.84	108.00	110.53
14	e	512	CLA	C3B-C4B-NB	-2.84	108.00	110.53
14	l	501	CLA	C3B-C4B-NB	-2.84	108.00	110.53
17	cB	4005	BCR	C3-C4-C5	-2.84	109.00	114.06
14	b4	510	CLA	O2D-CGD-O1D	-2.84	118.33	123.85
14	b	503	CLA	O2D-CGD-O1D	-2.84	118.33	123.85
14	g	502	CLA	O2D-CGD-O1D	-2.84	118.33	123.85
14	n	509	CLA	O2D-CGD-O1D	-2.84	118.33	123.85
14	c2	510	CLA	O2D-CGD-O1D	-2.84	118.33	123.85
14	c	512	CLA	C3B-C4B-NB	-2.84	108.00	110.53
14	b1	510	CLA	O2D-CGD-O1D	-2.83	118.33	123.85
14	b4	502	CLA	O2D-CGD-O1D	-2.83	118.33	123.85
14	b4	503	CLA	O2D-CGD-O1D	-2.83	118.33	123.85
14	c6	518	CLA	O2D-CGD-O1D	-2.83	118.33	123.85
14	a	518	CLA	O2D-CGD-O1D	-2.83	118.33	123.85
14	e	509	CLA	O2D-CGD-O1D	-2.83	118.33	123.85
14	j	510	CLA	O2D-CGD-O1D	-2.83	118.33	123.85
17	bB	4009	BCR	C38-C26-C25	-2.83	121.39	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	bI	4018	BCR	C28-C27-C26	-2.83	109.00	114.06
14	aA	1237	CLA	O2D-CGD-O1D	-2.83	118.33	123.85
14	b4	519	CLA	O2D-CGD-O1D	-2.83	118.33	123.85
14	c1	510	CLA	O2D-CGD-O1D	-2.83	118.33	123.85
14	c4	504	CLA	O2D-CGD-O1D	-2.83	118.33	123.85
14	c5	506	CLA	O2D-CGD-O1D	-2.83	118.33	123.85
14	c	518	CLA	O2D-CGD-O1D	-2.83	118.33	123.85
20	b2	822	SQD	O48-C23-C24	2.83	120.48	111.83
14	a4	517	CLA	C3B-C4B-NB	-2.83	108.00	110.53
14	b1	504	CLA	C3B-C4B-NB	-2.83	108.00	110.53
14	d	504	CLA	C3B-C4B-NB	-2.83	108.00	110.53
14	k	501	CLA	C3B-C4B-NB	-2.83	108.00	110.53
14	p	504	CLA	C3B-C4B-NB	-2.83	108.00	110.53
17	o	524	BCR	C8-C7-C6	-2.83	119.43	127.00
14	bB	1232	CLA	O2D-CGD-O1D	-2.83	118.33	123.85
14	b6	519	CLA	O2D-CGD-O1D	-2.83	118.33	123.85
14	m	510	CLA	O2D-CGD-O1D	-2.83	118.33	123.85
14	aB	1211	CLA	C3B-C4B-NB	-2.83	108.00	110.53
14	b1	502	CLA	O2D-CGD-O1D	-2.83	118.33	123.85
14	Z	502	CLA	O2D-CGD-O1D	-2.83	118.33	123.85
14	aB	1218	CLA	C3B-C4B-NB	-2.83	108.00	110.53
14	j	504	CLA	C3B-C4B-NB	-2.83	108.00	110.53
14	bB	1202	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
14	b6	507	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
14	c1	518	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
14	T	506	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
14	b2	504	CLA	C3B-C4B-NB	-2.83	108.00	110.53
14	a2	502	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
14	a5	517	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
14	bB	1206	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
14	cA	1115	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
14	e	510	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
14	aX	1401	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
14	c1	509	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
14	X	510	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
17	b5	524	BCR	C38-C26-C25	-2.83	121.40	124.48
14	c2	506	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
14	bB	1205	CLA	C3B-C4B-NB	-2.83	108.00	110.53
14	aB	1228	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
14	a3	507	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
14	bA	1108	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
14	cA	1113	CLA	O2D-CGD-O1D	-2.83	118.34	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	c3	510	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
14	j	508	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
14	l	517	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
17	p	521	BCR	C3-C4-C5	-2.83	109.01	114.06
14	b5	518	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
14	c2	512	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
14	W	509	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
14	aF	1301	CLA	C3B-C4B-NB	-2.83	108.00	110.53
14	cA	1115	CLA	C3B-C4B-NB	-2.83	108.00	110.53
14	cB	1238	CLA	C3B-C4B-NB	-2.83	108.00	110.53
14	a2	510	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
14	bL	1501	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
14	bB	1203	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
17	a3	524	BCR	C8-C7-C6	-2.83	119.44	127.00
14	aA	1113	CLA	C3B-C4B-NB	-2.83	108.01	110.53
14	bJ	1303	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
14	Y	509	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
14	Y	504	CLA	O2D-CGD-O1D	-2.83	118.35	123.85
14	b	517	CLA	O2D-CGD-O1D	-2.83	118.35	123.85
14	bA	1124	CLA	C3B-C4B-NB	-2.83	108.01	110.53
14	b1	518	CLA	C3B-C4B-NB	-2.83	108.01	110.53
14	b6	503	CLA	C3B-C4B-NB	-2.83	108.01	110.53
14	j	519	CLA	C3B-C4B-NB	-2.83	108.01	110.53
14	a2	507	CLA	O2D-CGD-O1D	-2.83	118.35	123.85
14	c5	509	CLA	O2D-CGD-O1D	-2.83	118.35	123.85
15	aA	2001	PQN	C11-C3-C2	-2.83	120.05	124.89
14	T	512	CLA	O2D-CGD-O1D	-2.83	118.35	123.85
14	W	510	CLA	O2D-CGD-O1D	-2.83	118.35	123.85
14	l	512	CLA	C3B-C4B-NB	-2.83	108.01	110.53
14	a3	503	CLA	O2D-CGD-O1D	-2.83	118.35	123.85
14	bA	1114	CLA	O2D-CGD-O1D	-2.83	118.35	123.85
14	b2	503	CLA	O2D-CGD-O1D	-2.83	118.35	123.85
17	c1	524	BCR	C8-C7-C6	-2.82	119.45	127.00
14	aF	1301	CLA	O2D-CGD-O1D	-2.82	118.35	123.85
14	c4	502	CLA	O2D-CGD-O1D	-2.82	118.35	123.85
14	b	516	CLA	O2D-CGD-O1D	-2.82	118.35	123.85
14	k	518	CLA	O2D-CGD-O1D	-2.82	118.35	123.85
14	cA	1114	CLA	O2D-CGD-O1D	-2.82	118.35	123.85
17	b3	523	BCR	C3-C4-C5	-2.82	109.02	114.06
14	a1	518	CLA	O2D-CGD-O1D	-2.82	118.35	123.85
14	a3	509	CLA	O2D-CGD-O1D	-2.82	118.35	123.85
14	c6	503	CLA	O2D-CGD-O1D	-2.82	118.35	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	f	509	CLA	O2D-CGD-O1D	-2.82	118.35	123.85
20	c1	822	SQD	O5-C5-C4	2.82	114.79	109.70
14	aX	1401	CLA	C3B-C4B-NB	-2.82	108.01	110.53
20	Z	822	SQD	C44-O6-C1	2.82	119.85	113.80
14	c6	501	CLA	O2D-CGD-O1D	-2.82	118.35	123.85
14	o	510	CLA	O2D-CGD-O1D	-2.82	118.35	123.85
14	V	502	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
14	q	509	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
14	b3	501	CLA	C3B-C4B-NB	-2.82	108.01	110.53
14	c3	504	CLA	C3B-C4B-NB	-2.82	108.01	110.53
14	c	518	CLA	C3B-C4B-NB	-2.82	108.01	110.53
17	b1	523	BCR	C38-C26-C25	-2.82	121.41	124.48
17	e	523	BCR	C33-C5-C6	-2.82	121.41	124.48
17	c6	524	BCR	C33-C5-C4	2.82	119.61	113.60
17	b4	523	BCR	C28-C27-C26	-2.82	109.03	114.06
14	c4	507	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
14	f	519	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
17	cA	4002	BCR	C3-C4-C5	-2.82	109.03	114.06
14	cA	1140	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
14	S	509	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
14	X	516	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
14	h	508	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
14	b5	510	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
14	c4	512	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
14	X	506	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
14	p	502	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
14	j	511	CLA	C3B-C4B-NB	-2.82	108.01	110.53
14	aA	1140	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
14	a6	509	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
14	Z	504	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
14	c2	502	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
14	W	503	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
14	b	507	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
14	W	518	CLA	C3B-C4B-NB	-2.82	108.01	110.53
14	b	510	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
14	e	519	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
14	i	518	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
17	c	522	BCR	C11-C12-C13	-2.82	118.64	126.36
21	cB	5002	LMG	O6-C1-O1	-2.82	103.39	110.04
14	b1	518	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
17	e	523	BCR	C28-C27-C26	-2.82	109.03	114.06
14	b4	518	CLA	O2D-CGD-O1D	-2.82	118.36	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	aA	1122	CLA	C3B-C4B-NB	-2.82	108.02	110.53
14	c	508	CLA	C3B-C4B-NB	-2.82	108.02	110.53
14	aB	1206	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
14	T	513	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
14	Y	518	CLA	O2D-CGD-O1D	-2.82	118.37	123.85
14	b	509	CLA	O2D-CGD-O1D	-2.82	118.37	123.85
17	cA	4011	BCR	C33-C5-C6	-2.82	121.41	124.48
21	b2	5104	LMG	O6-C1-O1	-2.82	103.39	110.04
17	c2	522	BCR	C23-C24-C25	-2.82	119.47	127.00
14	cF	1301	CLA	C3B-C4B-NB	-2.82	108.02	110.53
14	b	518	CLA	C3B-C4B-NB	-2.82	108.02	110.53
17	l	523	BCR	C3-C4-C5	-2.82	109.03	114.06
14	bA	1135	CLA	O2D-CGD-O1D	-2.82	118.37	123.85
14	cA	1119	CLA	O2D-CGD-O1D	-2.82	118.37	123.85
14	k	509	CLA	O2D-CGD-O1D	-2.82	118.37	123.85
14	cB	1206	CLA	O2D-CGD-O1D	-2.82	118.37	123.85
14	V	509	CLA	O2D-CGD-O1D	-2.82	118.37	123.85
14	aA	1114	CLA	C3B-C4B-NB	-2.82	108.02	110.53
17	j	523	BCR	C3-C4-C5	-2.81	109.04	114.06
21	a2	5104	LMG	O6-C1-O1	-2.81	103.39	110.04
14	c1	519	CLA	O2D-CGD-O1D	-2.81	118.37	123.85
14	j	518	CLA	O2D-CGD-O1D	-2.81	118.37	123.85
14	a2	509	CLA	C3B-C4B-NB	-2.81	108.02	110.53
14	U	509	CLA	C3B-C4B-NB	-2.81	108.02	110.53
14	b5	509	CLA	O2D-CGD-O1D	-2.81	118.37	123.85
14	c	509	CLA	O2D-CGD-O1D	-2.81	118.37	123.85
14	i	509	CLA	O2D-CGD-O1D	-2.81	118.37	123.85
21	bB	5002	LMG	O6-C1-O1	-2.81	103.39	110.04
14	b3	502	CLA	O2D-CGD-O1D	-2.81	118.37	123.85
14	a3	505	CLA	C1-C2-C3	-2.81	121.59	126.20
14	X	519	CLA	C3B-C4B-NB	-2.81	108.02	110.53
14	d	512	CLA	C3B-C4B-NB	-2.81	108.02	110.53
14	b1	519	CLA	O2D-CGD-O1D	-2.81	118.37	123.85
14	T	509	CLA	O2D-CGD-O1D	-2.81	118.37	123.85
14	bA	1115	CLA	O2D-CGD-O1D	-2.81	118.37	123.85
14	Y	510	CLA	O2D-CGD-O1D	-2.81	118.37	123.85
17	aI	4018	BCR	C27-C26-C25	-2.81	118.90	122.70
20	b5	822	SQD	O5-C5-C4	2.81	114.77	109.70
17	cB	4006	BCR	C33-C5-C4	2.81	119.59	113.60
14	aA	1111	CLA	C3B-C4B-NB	-2.81	108.02	110.53
14	aJ	1303	CLA	C3B-C4B-NB	-2.81	108.02	110.53
14	a5	512	CLA	C3B-C4B-NB	-2.81	108.02	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
15	bB	2002	PQN	C11-C3-C2	-2.81	120.07	124.89
14	c4	518	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
14	U	502	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
14	c3	502	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
14	aA	1112	CLA	C3B-C4B-NB	-2.81	108.02	110.53
14	bA	1134	CLA	C3B-C4B-NB	-2.81	108.02	110.53
14	c	504	CLA	C3B-C4B-NB	-2.81	108.02	110.53
14	o	503	CLA	C3B-C4B-NB	-2.81	108.02	110.53
17	b3	522	BCR	C23-C24-C25	-2.81	119.49	127.00
14	S	518	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
14	d	509	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
17	aA	4008	BCR	C11-C10-C9	-2.81	123.34	127.28
14	aA	1138	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
14	a4	502	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
14	a5	503	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
14	c5	502	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
14	a5	518	CLA	C3B-C4B-NB	-2.81	108.02	110.53
14	bF	1301	CLA	C3B-C4B-NB	-2.81	108.02	110.53
14	S	519	CLA	C3B-C4B-NB	-2.81	108.02	110.53
17	a2	524	BCR	C33-C5-C4	2.81	119.59	113.60
14	b	504	CLA	C3B-C4B-NB	-2.81	108.02	110.53
15	cB	2002	PQN	C11-C3-C2	-2.81	120.08	124.89
14	bA	1013	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
17	n	523	BCR	C38-C26-C25	-2.81	121.42	124.48
14	aA	1121	CLA	C3B-C4B-NB	-2.81	108.02	110.53
14	a5	503	CLA	C3B-C4B-NB	-2.81	108.02	110.53
14	p	509	CLA	C3B-C4B-NB	-2.81	108.02	110.53
17	k	523	BCR	C28-C27-C26	-2.81	109.05	114.06
17	U	524	BCR	C28-C27-C26	-2.81	109.05	114.06
14	bB	1205	CLA	C1-C2-C3	-2.81	121.60	126.20
14	b4	507	CLA	O2D-CGD-O1D	-2.81	118.39	123.85
14	cA	1138	CLA	O2D-CGD-O1D	-2.81	118.39	123.85
17	n	523	BCR	C28-C27-C26	-2.81	109.05	114.06
14	V	508	CLA	O2D-CGD-O1D	-2.81	118.39	123.85
14	aA	1133	CLA	C3B-C4B-NB	-2.80	108.03	110.53
14	c1	501	CLA	C3B-C4B-NB	-2.80	108.03	110.53
14	q	512	CLA	C3B-C4B-NB	-2.80	108.03	110.53
21	aB	5002	LMG	O6-C1-O1	-2.80	103.42	110.04
14	b1	503	CLA	O2D-CGD-O1D	-2.80	118.39	123.85
14	cA	1123	CLA	O2D-CGD-O1D	-2.80	118.39	123.85
14	c5	503	CLA	O2D-CGD-O1D	-2.80	118.39	123.85
14	aB	1223	CLA	C3B-C4B-NB	-2.80	108.03	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	f	503	CLA	O2D-CGD-O1D	-2.80	118.39	123.85
14	j	509	CLA	O2D-CGD-O1D	-2.80	118.39	123.85
14	a2	517	CLA	C3B-C4B-NB	-2.80	108.03	110.53
14	Y	504	CLA	C3B-C4B-NB	-2.80	108.03	110.53
14	bA	1119	CLA	O2D-CGD-O1D	-2.80	118.39	123.85
14	cB	1224	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
14	b4	501	CLA	C3B-C4B-NB	-2.80	108.03	110.53
14	c6	517	CLA	C3B-C4B-NB	-2.80	108.03	110.53
14	X	509	CLA	C3B-C4B-NB	-2.80	108.03	110.53
17	b4	524	BCR	C3-C4-C5	-2.80	109.06	114.06
14	aB	1224	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
14	cB	1202	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
14	X	509	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
14	aA	1237	CLA	C3B-C4B-NB	-2.80	108.03	110.53
14	cB	1229	CLA	C3B-C4B-NB	-2.80	108.03	110.53
14	a1	505	CLA	C1-C2-C3	-2.80	121.61	126.20
14	b	505	CLA	C1-C2-C3	-2.80	121.61	126.20
14	b3	519	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
14	m	517	CLA	C3B-C4B-NB	-2.80	108.03	110.53
14	b5	519	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
14	b6	518	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
14	cB	1226	CLA	C1-C2-C3	-2.80	121.61	126.20
17	p	523	BCR	C15-C16-C17	-2.80	117.80	123.52
14	a	503	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
14	a1	503	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
14	a2	503	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
14	aA	1013	CLA	C3B-C4B-NB	-2.80	108.03	110.53
14	cA	1135	CLA	O2D-CGD-O1D	-2.80	118.41	123.85
14	a	509	CLA	O2D-CGD-O1D	-2.80	118.41	123.85
17	a2	523	BCR	C3-C4-C5	-2.80	109.07	114.06
14	aA	1114	CLA	O2D-CGD-O1D	-2.80	118.41	123.85
14	aA	1112	CLA	O2D-CGD-O1D	-2.79	118.41	123.85
14	U	507	CLA	O2D-CGD-O1D	-2.79	118.41	123.85
17	h	523	BCR	C28-C27-C26	-2.79	109.07	114.06
14	b2	519	CLA	C3B-C4B-NB	-2.79	108.04	110.53
14	cB	1227	CLA	O2D-CGD-O1D	-2.79	118.41	123.85
14	Z	508	CLA	O2D-CGD-O1D	-2.79	118.41	123.85
15	aB	2002	PQN	C11-C3-C2	-2.79	120.10	124.89
14	c2	507	CLA	O2D-CGD-O1D	-2.79	118.41	123.85
14	c2	501	CLA	C3B-C4B-NB	-2.79	108.04	110.53
14	c2	518	CLA	C3B-C4B-NB	-2.79	108.04	110.53
14	Z	504	CLA	C3B-C4B-NB	-2.79	108.04	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	cI	4018	BCR	C28-C27-C26	-2.79	109.08	114.06
14	aA	1115	CLA	C3B-C4B-NB	-2.79	108.04	110.53
14	cB	1232	CLA	C3B-C4B-NB	-2.79	108.04	110.53
14	c2	519	CLA	C3B-C4B-NB	-2.79	108.04	110.53
14	c5	503	CLA	C3B-C4B-NB	-2.79	108.04	110.53
20	a3	822	SQD	O5-C5-C4	2.79	114.73	109.70
14	b3	503	CLA	O2D-CGD-O1D	-2.79	118.42	123.85
17	b5	524	BCR	C33-C5-C4	2.79	119.55	113.60
17	b5	524	BCR	C28-C27-C26	-2.79	109.08	114.06
14	b2	502	CLA	O2D-CGD-O1D	-2.79	118.42	123.85
17	U	524	BCR	C38-C26-C25	-2.79	121.44	124.48
14	d	518	CLA	C3B-C4B-NB	-2.79	108.04	110.53
14	n	518	CLA	C3B-C4B-NB	-2.79	108.04	110.53
20	a1	822	SQD	O5-C5-C4	2.79	114.73	109.70
20	c5	822	SQD	O5-C5-C4	2.79	114.73	109.70
14	aB	1227	CLA	O2D-CGD-O1D	-2.79	118.42	123.85
14	a1	510	CLA	C3B-C4B-NB	-2.79	108.04	110.53
14	Y	519	CLA	C3B-C4B-NB	-2.79	108.04	110.53
14	aB	1202	CLA	O2D-CGD-O1D	-2.79	118.42	123.85
17	o	522	BCR	C11-C12-C13	-2.79	118.72	126.36
14	a3	501	CLA	C3B-C4B-NB	-2.79	108.04	110.53
14	h	501	CLA	C3B-C4B-NB	-2.79	108.04	110.53
14	q	508	CLA	O2D-CGD-O1D	-2.79	118.42	123.85
14	X	518	CLA	C3B-C4B-NB	-2.79	108.04	110.53
17	a	523	BCR	C38-C26-C25	-2.79	121.44	124.48
14	b4	505	CLA	O2D-CGD-O1D	-2.79	118.42	123.85
14	aA	1129	CLA	C3B-C4B-NB	-2.79	108.04	110.53
14	a3	519	CLA	C3B-C4B-NB	-2.79	108.04	110.53
17	b2	524	BCR	C8-C7-C6	-2.79	119.56	127.00
17	a	523	BCR	C8-C7-C6	-2.79	119.56	127.00
14	a6	519	CLA	CHB-C4A-NA	2.79	128.42	124.40
14	aB	1234	CLA	O2D-CGD-O1D	-2.79	118.43	123.85
14	U	509	CLA	O2D-CGD-O1D	-2.79	118.43	123.85
14	c6	509	CLA	O2D-CGD-O1D	-2.79	118.43	123.85
17	p	524	BCR	C33-C5-C4	2.78	119.53	113.60
17	cA	4008	BCR	C11-C10-C9	-2.78	123.37	127.28
14	aA	1022	CLA	O2D-CGD-O1D	-2.78	118.43	123.85
14	a5	509	CLA	O2D-CGD-O1D	-2.78	118.43	123.85
14	j	506	CLA	O2D-CGD-O1D	-2.78	118.43	123.85
14	bA	1132	CLA	C3B-C4B-NB	-2.78	108.05	110.53
14	b5	511	CLA	C3B-C4B-NB	-2.78	108.05	110.53
14	c6	510	CLA	C3B-C4B-NB	-2.78	108.05	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	o	522	BCR	C23-C24-C25	-2.78	119.56	127.00
14	aA	1119	CLA	C3B-C4B-NB	-2.78	108.05	110.53
14	a3	513	CLA	C3B-C4B-NB	-2.78	108.05	110.53
14	cA	1134	CLA	C3B-C4B-NB	-2.78	108.05	110.53
14	cB	1225	CLA	O2D-CGD-O1D	-2.78	118.43	123.85
14	V	518	CLA	O2D-CGD-O1D	-2.78	118.43	123.85
20	a2	822	SQD	O5-C5-C4	2.78	114.71	109.70
14	X	503	CLA	C3B-C4B-NB	-2.78	108.05	110.53
14	n	516	CLA	C3B-C4B-NB	-2.78	108.05	110.53
20	b	822	SQD	O5-C5-C4	2.78	114.71	109.70
17	c4	523	BCR	C28-C27-C26	-2.78	109.10	114.06
14	aJ	1303	CLA	O2A-CGA-O1A	-2.78	116.67	123.63
14	bB	1225	CLA	O2D-CGD-O1D	-2.78	118.44	123.85
14	i	501	CLA	C3B-C4B-NB	-2.78	108.05	110.53
18	cA	5005	LHG	O8-C23-C24	2.78	120.31	111.83
17	b5	522	BCR	C33-C5-C4	2.78	119.52	113.60
14	d	507	CLA	O2D-CGD-O1D	-2.78	118.44	123.85
14	p	503	CLA	O2D-CGD-O1D	-2.78	118.44	123.85
17	bB	4017	BCR	C11-C10-C9	-2.78	123.38	127.28
17	c6	524	BCR	C28-C27-C26	-2.78	109.10	114.06
15	cA	2001	PQN	C11-C3-C2	-2.78	120.13	124.89
14	aA	1127	CLA	O2D-CGD-O1D	-2.78	118.44	123.85
14	bB	1222	CLA	C3B-C4B-NB	-2.78	108.05	110.53
14	cA	1111	CLA	C3B-C4B-NB	-2.78	108.05	110.53
14	c2	516	CLA	C3B-C4B-NB	-2.78	108.05	110.53
17	bB	4005	BCR	C3-C4-C5	-2.78	109.10	114.06
17	Z	522	BCR	C11-C12-C13	-2.78	118.75	126.36
14	bA	1138	CLA	O2D-CGD-O1D	-2.78	118.44	123.85
17	b1	524	BCR	C38-C26-C25	-2.78	121.45	124.48
14	h	507	CLA	O2D-CGD-O1D	-2.78	118.44	123.85
14	bA	1237	CLA	C3B-C4B-NB	-2.78	108.05	110.53
14	cB	1235	CLA	C3B-C4B-NB	-2.78	108.05	110.53
14	i	518	CLA	C3B-C4B-NB	-2.78	108.05	110.53
14	b2	509	CLA	O2D-CGD-O1D	-2.78	118.44	123.85
14	cA	1127	CLA	O2D-CGD-O1D	-2.78	118.44	123.85
14	cA	1113	CLA	C3B-C4B-NB	-2.78	108.05	110.53
14	h	518	CLA	C3B-C4B-NB	-2.78	108.05	110.53
14	o	512	CLA	C3B-C4B-NB	-2.78	108.05	110.53
14	X	518	CLA	O2D-CGD-O1D	-2.78	118.44	123.85
14	c1	509	CLA	C3B-C4B-NB	-2.77	108.05	110.53
14	q	518	CLA	C3B-C4B-NB	-2.77	108.05	110.53
17	cB	4004	BCR	C20-C19-C18	-2.77	118.75	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b1	507	CLA	O2D-CGD-O1D	-2.77	118.45	123.85
17	b6	524	BCR	C33-C5-C4	2.77	119.51	113.60
14	c	507	CLA	O2D-CGD-O1D	-2.77	118.45	123.85
14	bA	1109	CLA	C3B-C4B-NB	-2.77	108.05	110.53
14	bA	1115	CLA	C3B-C4B-NB	-2.77	108.05	110.53
14	b5	519	CLA	C3B-C4B-NB	-2.77	108.05	110.53
14	cX	1401	CLA	C3B-C4B-NB	-2.77	108.05	110.53
14	b6	509	CLA	O2D-CGD-O1D	-2.77	118.45	123.85
17	Y	523	BCR	C38-C26-C25	-2.77	121.46	124.48
17	i	522	BCR	C3-C4-C5	-2.77	109.11	114.06
14	aB	1222	CLA	C3B-C4B-NB	-2.77	108.06	110.53
14	aB	1235	CLA	C3B-C4B-NB	-2.77	108.06	110.53
17	c2	524	BCR	C33-C5-C4	2.77	119.50	113.60
14	cA	1102	CLA	C3B-C4B-NB	-2.77	108.06	110.53
14	c6	501	CLA	C3B-C4B-NB	-2.77	108.06	110.53
14	U	519	CLA	C3B-C4B-NB	-2.77	108.06	110.53
14	h	503	CLA	C3B-C4B-NB	-2.77	108.06	110.53
20	c5	822	SQD	C44-O6-C1	2.77	119.74	113.80
17	c3	523	BCR	C28-C27-C26	-2.77	109.11	114.06
14	aA	1119	CLA	O2D-CGD-O1D	-2.77	118.45	123.85
17	b6	524	BCR	C11-C12-C13	-2.77	118.77	126.36
14	bB	1231	CLA	O2D-CGD-O1D	-2.77	118.46	123.85
17	m	521	BCR	C20-C19-C18	-2.77	118.77	126.36
15	bA	2001	PQN	C11-C3-C2	-2.77	120.14	124.89
17	V	523	BCR	C38-C26-C25	-2.77	121.46	124.48
17	a2	524	BCR	C8-C7-C6	-2.77	119.60	127.00
14	b6	508	CLA	C3B-C4B-NB	-2.77	108.06	110.53
14	f	504	CLA	C3B-C4B-NB	-2.77	108.06	110.53
17	f	523	BCR	C3-C4-C5	-2.77	109.12	114.06
14	bA	1122	CLA	O2D-CGD-O1D	-2.77	118.46	123.85
14	a3	504	CLA	C3B-C4B-NB	-2.77	108.06	110.53
14	bA	1119	CLA	C3B-C4B-NB	-2.77	108.06	110.53
14	j	513	CLA	C3B-C4B-NB	-2.77	108.06	110.53
14	l	511	CLA	C3B-C4B-NB	-2.77	108.06	110.53
14	p	518	CLA	C3B-C4B-NB	-2.77	108.06	110.53
14	bB	1224	CLA	O2D-CGD-O1D	-2.77	118.46	123.85
14	bA	1139	CLA	O2D-CGD-O1D	-2.77	118.46	123.85
14	b	501	CLA	C3B-C4B-NB	-2.77	108.06	110.53
17	S	521	BCR	C3-C4-C5	-2.77	109.12	114.06
20	W	822	SQD	C44-O6-C1	2.77	119.73	113.80
17	bI	4018	BCR	C15-C16-C17	-2.77	117.86	123.52
17	d	522	BCR	C23-C24-C25	-2.77	119.61	127.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	c3	509	CLA	O2D-CGD-O1D	-2.77	118.46	123.85
14	c5	518	CLA	C3B-C4B-NB	-2.77	108.06	110.53
14	j	518	CLA	C3B-C4B-NB	-2.77	108.06	110.53
14	k	508	CLA	C3B-C4B-NB	-2.77	108.06	110.53
17	bB	4004	BCR	C20-C19-C18	-2.77	118.78	126.36
14	b4	509	CLA	O2D-CGD-O1D	-2.76	118.47	123.85
14	b3	509	CLA	O2D-CGD-O1D	-2.76	118.47	123.85
14	b2	517	CLA	C3B-C4B-NB	-2.76	108.06	110.53
14	c4	519	CLA	C3B-C4B-NB	-2.76	108.06	110.53
14	a4	509	CLA	O2D-CGD-O1D	-2.76	118.47	123.85
17	bA	4011	BCR	C33-C5-C6	-2.76	121.47	124.48
14	V	516	CLA	O2D-CGD-O1D	-2.76	118.47	123.85
20	b4	822	SQD	O5-C5-C4	2.76	114.68	109.70
14	aB	1203	CLA	C3B-C4B-NB	-2.76	108.06	110.53
14	aB	1216	CLA	C3B-C4B-NB	-2.76	108.06	110.53
14	aB	1227	CLA	C3B-C4B-NB	-2.76	108.06	110.53
17	cA	4003	BCR	C23-C24-C25	-2.76	119.62	127.00
14	aB	1231	CLA	O2D-CGD-O1D	-2.76	118.47	123.85
14	c5	518	CLA	O2D-CGD-O1D	-2.76	118.47	123.85
14	a4	503	CLA	C3B-C4B-NB	-2.76	108.07	110.53
14	bA	1114	CLA	C3B-C4B-NB	-2.76	108.07	110.53
14	b3	513	CLA	C3B-C4B-NB	-2.76	108.07	110.53
17	e	522	BCR	C11-C12-C13	-2.76	118.80	126.36
14	a2	509	CLA	O2D-CGD-O1D	-2.76	118.48	123.85
14	cA	1139	CLA	O2D-CGD-O1D	-2.76	118.48	123.85
14	a6	504	CLA	C3B-C4B-NB	-2.76	108.07	110.53
14	bB	1207	CLA	C3B-C4B-NB	-2.76	108.07	110.53
14	Y	516	CLA	C3B-C4B-NB	-2.76	108.07	110.53
17	a4	523	BCR	C4-C5-C6	-2.76	118.98	122.70
18	aA	5004	LHG	O8-C23-C24	2.76	120.25	111.83
14	bA	1102	CLA	C3B-C4B-NB	-2.76	108.07	110.53
14	b4	516	CLA	C3B-C4B-NB	-2.76	108.07	110.53
14	h	516	CLA	C3B-C4B-NB	-2.76	108.07	110.53
14	aB	1219	CLA	O2D-CGD-O1D	-2.76	118.48	123.85
14	U	518	CLA	C3B-C4B-NB	-2.76	108.07	110.53
14	S	503	CLA	C3B-C4B-NB	-2.76	108.07	110.53
14	c4	509	CLA	O2D-CGD-O1D	-2.76	118.48	123.85
17	Z	523	BCR	C1-C6-C5	-2.76	118.87	122.64
14	c2	517	CLA	C3B-C4B-NB	-2.75	108.07	110.53
17	b5	521	BCR	C3-C4-C5	-2.75	109.14	114.06
17	aA	4002	BCR	C23-C24-C25	-2.75	119.64	127.00
14	W	504	CLA	O2D-CGD-O1D	-2.75	118.49	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	aA	1124	CLA	C3B-C4B-NB	-2.75	108.07	110.53
14	i	517	CLA	C3B-C4B-NB	-2.75	108.07	110.53
14	bA	1127	CLA	O2D-CGD-O1D	-2.75	118.49	123.85
17	T	524	BCR	C38-C26-C25	-2.75	121.48	124.48
17	bI	4018	BCR	C3-C4-C5	-2.75	109.15	114.06
17	c1	523	BCR	C3-C4-C5	-2.75	109.15	114.06
17	b6	522	BCR	C23-C24-C25	-2.75	119.64	127.00
14	bA	1108	CLA	C3B-C4B-NB	-2.75	108.07	110.53
14	cA	1013	CLA	C3B-C4B-NB	-2.75	108.07	110.53
20	W	822	SQD	O5-C5-C4	2.75	114.66	109.70
17	i	524	BCR	C8-C7-C6	-2.75	119.65	127.00
14	a1	509	CLA	O2D-CGD-O1D	-2.75	118.49	123.85
14	cA	1112	CLA	O2D-CGD-O1D	-2.75	118.49	123.85
14	cB	1203	CLA	C3B-C4B-NB	-2.75	108.07	110.53
17	aI	4018	BCR	C28-C27-C26	-2.75	109.15	114.06
17	b4	524	BCR	C33-C5-C4	2.75	119.46	113.60
17	aA	4011	BCR	C33-C5-C6	-2.75	121.48	124.48
14	cA	1108	CLA	C3B-C4B-NB	-2.75	108.08	110.53
14	S	517	CLA	C3B-C4B-NB	-2.75	108.08	110.53
17	bB	4006	BCR	C33-C5-C4	2.75	119.46	113.60
14	a6	511	CLA	C3B-C4B-NB	-2.75	108.08	110.53
14	e	518	CLA	C3B-C4B-NB	-2.75	108.08	110.53
14	o	509	CLA	C3B-C4B-NB	-2.75	108.08	110.53
17	aF	4014	BCR	C8-C7-C6	-2.75	119.66	127.00
14	a3	504	CLA	O2D-CGD-O1D	-2.75	118.50	123.85
17	d	522	BCR	C15-C16-C17	-2.75	117.90	123.52
14	c4	510	CLA	O2D-CGD-O1D	-2.75	118.50	123.85
17	aJ	4012	BCR	C33-C5-C4	2.75	119.45	113.60
14	a4	504	CLA	C3B-C4B-NB	-2.75	108.08	110.53
14	a4	518	CLA	C3B-C4B-NB	-2.75	108.08	110.53
14	b2	518	CLA	C3B-C4B-NB	-2.75	108.08	110.53
14	b6	509	CLA	C3B-C4B-NB	-2.75	108.08	110.53
14	c2	504	CLA	C3B-C4B-NB	-2.75	108.08	110.53
14	c6	503	CLA	C3B-C4B-NB	-2.75	108.08	110.53
17	l	524	BCR	C33-C5-C4	2.75	119.45	113.60
17	X	522	BCR	C11-C12-C13	-2.74	118.84	126.36
14	bA	1140	CLA	C3B-C4B-NB	-2.74	108.08	110.53
14	bB	1211	CLA	C3B-C4B-NB	-2.74	108.08	110.53
14	c2	503	CLA	C3B-C4B-NB	-2.74	108.08	110.53
14	Y	510	CLA	C3B-C4B-NB	-2.74	108.08	110.53
14	c	519	CLA	C3B-C4B-NB	-2.74	108.08	110.53
14	e	504	CLA	C3B-C4B-NB	-2.74	108.08	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	q	522	BCR	C15-C16-C17	-2.74	117.91	123.52
14	a4	511	CLA	C3B-C4B-NB	-2.74	108.08	110.53
14	Z	508	CLA	C3B-C4B-NB	-2.74	108.08	110.53
14	f	516	CLA	C3B-C4B-NB	-2.74	108.08	110.53
14	c2	509	CLA	O2D-CGD-O1D	-2.74	118.51	123.85
17	b	523	BCR	C8-C7-C6	-2.74	119.67	127.00
14	a2	501	CLA	C3B-C4B-NB	-2.74	108.08	110.53
14	a4	501	CLA	C3B-C4B-NB	-2.74	108.08	110.53
14	g	517	CLA	C3B-C4B-NB	-2.74	108.08	110.53
17	cF	4015	BCR	C2-C1-C6	2.74	114.42	110.44
14	cA	1122	CLA	O2D-CGD-O1D	-2.74	118.51	123.85
14	a1	518	CLA	C3B-C4B-NB	-2.74	108.08	110.53
14	bB	1219	CLA	C3B-C4B-NB	-2.74	108.08	110.53
14	cB	1212	CLA	C3B-C4B-NB	-2.74	108.08	110.53
14	c1	518	CLA	C3B-C4B-NB	-2.74	108.08	110.53
17	cJ	4012	BCR	C33-C5-C4	2.74	119.44	113.60
14	aB	1212	CLA	C3B-C4B-NB	-2.74	108.08	110.53
14	bB	1213	CLA	C3B-C4B-NB	-2.74	108.08	110.53
14	b2	509	CLA	C3B-C4B-NB	-2.74	108.08	110.53
14	b5	517	CLA	C3B-C4B-NB	-2.74	108.08	110.53
14	Z	519	CLA	C3B-C4B-NB	-2.74	108.08	110.53
20	p	822	SQD	O6-C1-C2	2.74	112.43	108.27
14	aB	1217	CLA	C3B-C4B-NB	-2.74	108.09	110.53
14	bB	1235	CLA	C3B-C4B-NB	-2.74	108.09	110.53
14	cB	1227	CLA	C3B-C4B-NB	-2.74	108.09	110.53
17	f	523	BCR	C28-C27-C26	-2.74	109.17	114.06
14	a6	504	CLA	O2D-CGD-O1D	-2.74	118.52	123.85
14	l	509	CLA	O2D-CGD-O1D	-2.74	118.52	123.85
14	o	519	CLA	O2D-CGD-O1D	-2.74	118.52	123.85
14	cA	1109	CLA	C3B-C4B-NB	-2.74	108.09	110.53
14	l	513	CLA	C3B-C4B-NB	-2.74	108.09	110.53
17	bF	4014	BCR	C8-C7-C6	-2.74	119.69	127.00
17	c5	524	BCR	C33-C5-C4	2.74	119.43	113.60
14	bB	1219	CLA	O2D-CGD-O1D	-2.74	118.52	123.85
14	b3	517	CLA	C3B-C4B-NB	-2.74	108.09	110.53
17	aB	4006	BCR	C33-C5-C4	2.74	119.43	113.60
20	c2	822	SQD	C44-O6-C1	2.73	119.66	113.80
20	c6	822	SQD	C44-O6-C1	2.73	119.66	113.80
14	aA	1134	CLA	C3B-C4B-NB	-2.73	108.09	110.53
14	n	513	CLA	C3B-C4B-NB	-2.73	108.09	110.53
17	aF	4014	BCR	C7-C8-C9	-2.73	122.19	126.23
14	bA	1111	CLA	C3B-C4B-NB	-2.73	108.09	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	o	517	CLA	C3B-C4B-NB	-2.73	108.09	110.53
14	cA	1112	CLA	C3B-C4B-NB	-2.73	108.09	110.53
17	aA	4002	BCR	C38-C26-C27	2.73	119.42	113.60
20	Z	822	SQD	C1-O5-C5	2.73	119.05	113.72
14	T	517	CLA	C3B-C4B-NB	-2.73	108.09	110.53
17	aI	4020	BCR	C7-C8-C9	-2.73	122.20	126.23
17	a4	522	BCR	C23-C24-C25	-2.73	119.70	127.00
14	bL	1503	CLA	C3B-C4B-NB	-2.73	108.09	110.53
14	b6	504	CLA	C3B-C4B-NB	-2.73	108.09	110.53
14	W	510	CLA	C3B-C4B-NB	-2.73	108.09	110.53
17	bA	4008	BCR	C11-C10-C9	-2.73	123.45	127.28
14	bA	1013	CLA	C3B-C4B-NB	-2.73	108.09	110.53
14	cB	1222	CLA	C3B-C4B-NB	-2.73	108.09	110.53
14	i	503	CLA	C3B-C4B-NB	-2.73	108.09	110.53
17	k	523	BCR	C1-C6-C5	-2.73	118.91	122.64
14	aA	1102	CLA	C3B-C4B-NB	-2.73	108.09	110.53
14	aB	1225	CLA	O2D-CGD-O1D	-2.73	118.54	123.85
17	c	523	BCR	C8-C7-C6	-2.73	119.71	127.00
17	c6	522	BCR	C23-C24-C25	-2.73	119.71	127.00
14	m	502	CLA	CHB-C4A-NA	2.73	128.34	124.40
20	b4	822	SQD	C44-O6-C1	2.73	119.64	113.80
14	c2	505	CLA	C1-C2-C3	-2.73	121.73	126.20
14	i	505	CLA	C1-C2-C3	-2.73	121.73	126.20
14	b	502	CLA	C3B-C4B-NB	-2.73	108.10	110.53
17	T	524	BCR	C28-C27-C26	-2.73	109.20	114.06
14	V	509	CLA	C3B-C4B-NB	-2.72	108.10	110.53
14	aA	1122	CLA	O2D-CGD-O1D	-2.72	118.55	123.85
20	h	822	SQD	O6-C1-C2	2.72	112.41	108.27
17	S	524	BCR	C8-C7-C6	-2.72	119.72	127.00
14	c	503	CLA	C3B-C4B-NB	-2.72	108.10	110.53
17	o	523	BCR	C8-C7-C6	-2.72	119.72	127.00
14	Z	518	CLA	C3B-C4B-NB	-2.72	108.10	110.53
17	Z	523	BCR	C28-C27-C26	-2.72	109.20	114.06
14	b1	509	CLA	O2D-CGD-O1D	-2.72	118.55	123.85
14	aA	1139	CLA	O2D-CGD-O1D	-2.72	118.55	123.85
17	b1	522	BCR	C15-C16-C17	-2.72	117.95	123.52
14	cB	1207	CLA	C3B-C4B-NB	-2.72	108.10	110.53
14	i	509	CLA	C3B-C4B-NB	-2.72	108.10	110.53
17	Y	522	BCR	C11-C12-C13	-2.72	118.90	126.36
17	a6	522	BCR	C23-C24-C25	-2.72	119.73	127.00
14	b1	511	CLA	C3B-C4B-NB	-2.72	108.10	110.53
14	U	517	CLA	C3B-C4B-NB	-2.72	108.10	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	c	517	CLA	C3B-C4B-NB	-2.72	108.10	110.53
17	S	523	BCR	C8-C7-C6	-2.72	119.73	127.00
17	bJ	4013	BCR	C11-C12-C13	-2.72	118.91	126.36
17	a1	522	BCR	C15-C16-C17	-2.72	117.95	123.52
17	bF	4014	BCR	C28-C27-C26	-2.72	109.21	114.06
17	bJ	4012	BCR	C33-C5-C4	2.72	119.39	113.60
14	cB	1213	CLA	C3B-C4B-NB	-2.72	108.10	110.53
14	o	518	CLA	C3B-C4B-NB	-2.72	108.10	110.53
14	f	503	CLA	C3B-C4B-NB	-2.72	108.10	110.53
17	h	523	BCR	C3-C4-C5	-2.72	109.21	114.06
14	b1	510	CLA	C3B-C4B-NB	-2.72	108.11	110.53
14	cB	1210	CLA	C3B-C4B-NB	-2.72	108.11	110.53
14	bB	1216	CLA	C3B-C4B-NB	-2.72	108.11	110.53
14	c6	509	CLA	C3B-C4B-NB	-2.72	108.11	110.53
17	d	522	BCR	C11-C12-C13	-2.71	118.92	126.36
14	aB	1207	CLA	C3B-C4B-NB	-2.71	108.11	110.53
14	d	517	CLA	C3B-C4B-NB	-2.71	108.11	110.53
14	b5	503	CLA	C3B-C4B-NB	-2.71	108.11	110.53
17	cB	4009	BCR	C38-C26-C25	-2.71	121.52	124.48
14	cB	1219	CLA	O2D-CGD-O1D	-2.71	118.57	123.85
14	bX	1401	CLA	C3B-C4B-NB	-2.71	108.11	110.53
14	cB	1216	CLA	C3B-C4B-NB	-2.71	108.11	110.53
14	c6	508	CLA	C3B-C4B-NB	-2.71	108.11	110.53
17	h	522	BCR	C23-C24-C25	-2.71	119.75	127.00
17	aB	4017	BCR	C11-C10-C9	-2.71	123.48	127.28
17	S	522	BCR	C11-C12-C13	-2.71	118.93	126.36
14	cA	1119	CLA	C3B-C4B-NB	-2.71	108.11	110.53
14	S	518	CLA	C3B-C4B-NB	-2.71	108.11	110.53
14	c5	509	CLA	C3B-C4B-NB	-2.71	108.11	110.53
14	l	518	CLA	C3B-C4B-NB	-2.71	108.11	110.53
14	m	506	CLA	C3B-C4B-NB	-2.71	108.11	110.53
17	q	522	BCR	C23-C24-C25	-2.71	119.76	127.00
17	b	522	BCR	C7-C8-C9	-2.71	122.23	126.23
17	bB	4017	BCR	C16-C15-C14	-2.71	117.98	123.52
14	cB	1220	CLA	C3B-C4B-NB	-2.71	108.11	110.53
14	j	512	CLA	C3B-C4B-NB	-2.71	108.11	110.53
14	n	519	CLA	C3B-C4B-NB	-2.71	108.11	110.53
17	f	523	BCR	C8-C7-C6	-2.71	119.77	127.00
17	g	522	BCR	C23-C24-C25	-2.71	119.77	127.00
14	b4	519	CLA	C3B-C4B-NB	-2.71	108.11	110.53
14	m	511	CLA	C3B-C4B-NB	-2.71	108.11	110.53
17	Y	522	BCR	C15-C16-C17	-2.71	117.98	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a4	516	CLA	C3B-C4B-NB	-2.71	108.11	110.53
14	n	509	CLA	C3B-C4B-NB	-2.71	108.11	110.53
17	a4	524	BCR	C3-C4-C5	-2.70	109.23	114.06
14	c5	504	CLA	C3B-C4B-NB	-2.70	108.12	110.53
14	l	509	CLA	C3B-C4B-NB	-2.70	108.12	110.53
14	c3	519	CLA	C3B-C4B-NB	-2.70	108.12	110.53
17	c4	522	BCR	C23-C24-C25	-2.70	119.78	127.00
17	b2	523	BCR	C38-C26-C25	-2.70	121.53	124.48
14	a1	502	CLA	C3B-C4B-NB	-2.70	108.12	110.53
14	a3	516	CLA	C3B-C4B-NB	-2.70	108.12	110.53
14	p	513	CLA	C3B-C4B-NB	-2.70	108.12	110.53
17	o	523	BCR	C28-C27-C26	-2.70	109.24	114.06
14	aA	1140	CLA	C3B-C4B-NB	-2.70	108.12	110.53
14	b1	516	CLA	C3B-C4B-NB	-2.70	108.12	110.53
14	b3	510	CLA	C3B-C4B-NB	-2.70	108.12	110.53
14	b5	502	CLA	C3B-C4B-NB	-2.70	108.12	110.53
14	b5	518	CLA	C3B-C4B-NB	-2.70	108.12	110.53
14	c5	506	CLA	C3B-C4B-NB	-2.70	108.12	110.53
14	T	511	CLA	C3B-C4B-NB	-2.70	108.12	110.53
17	aF	4015	BCR	C2-C1-C6	2.70	114.36	110.44
17	b4	523	BCR	C3-C4-C5	-2.70	109.24	114.06
14	l	518	CLA	C1-C2-C3	-2.70	122.39	126.76
14	bB	1223	CLA	C3B-C4B-NB	-2.70	108.12	110.53
14	c2	511	CLA	C3B-C4B-NB	-2.70	108.12	110.53
20	f	822	SQD	O48-C23-C24	2.70	119.34	111.15
17	bB	4009	BCR	C33-C5-C4	2.70	119.35	113.60
17	l	523	BCR	C28-C27-C26	-2.70	109.24	114.06
14	b4	511	CLA	C3B-C4B-NB	-2.70	108.12	110.53
14	cB	1225	CLA	C3B-C4B-NB	-2.70	108.12	110.53
17	bK	4001	BCR	C24-C23-C22	-2.70	122.24	126.23
17	bA	4003	BCR	C23-C24-C25	-2.70	119.79	127.00
14	c2	506	CLA	C3B-C4B-NB	-2.70	108.12	110.53
14	d	508	CLA	C3B-C4B-NB	-2.70	108.12	110.53
17	cJ	4013	BCR	C7-C8-C9	-2.70	122.25	126.23
14	bA	1137	CLA	C3B-C4B-NB	-2.70	108.12	110.53
14	S	509	CLA	C3B-C4B-NB	-2.70	108.12	110.53
17	b6	522	BCR	C11-C12-C13	-2.70	118.97	126.36
14	bB	1227	CLA	O2D-CGD-O1D	-2.70	118.60	123.85
17	cF	4014	BCR	C8-C7-C6	-2.69	119.80	127.00
14	c3	516	CLA	C3B-C4B-NB	-2.69	108.12	110.53
17	W	522	BCR	C15-C16-C17	-2.69	118.01	123.52
17	b6	523	BCR	C3-C4-C5	-2.69	109.25	114.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	f	524	BCR	C28-C27-C26	-2.69	109.25	114.06
17	a2	522	BCR	C23-C24-C25	-2.69	119.80	127.00
14	U	503	CLA	C3B-C4B-NB	-2.69	108.13	110.53
14	i	519	CLA	C3B-C4B-NB	-2.69	108.13	110.53
14	k	518	CLA	C3B-C4B-NB	-2.69	108.13	110.53
17	p	523	BCR	C8-C7-C6	-2.69	119.81	127.00
17	a	524	BCR	C33-C5-C4	2.69	119.34	113.60
14	b4	505	CLA	C3B-C4B-NB	-2.69	108.13	110.53
17	e	524	BCR	C28-C27-C26	-2.69	109.26	114.06
17	g	524	BCR	C8-C7-C6	-2.69	119.81	127.00
14	aB	1210	CLA	C3B-C4B-NB	-2.69	108.13	110.53
14	a5	516	CLA	C3B-C4B-NB	-2.69	108.13	110.53
14	a4	508	CLA	C11-C12-C13	-2.69	107.02	115.97
14	a4	510	CLA	C3B-C4B-NB	-2.69	108.13	110.53
14	b5	509	CLA	C3B-C4B-NB	-2.69	108.13	110.53
14	cB	1223	CLA	C3B-C4B-NB	-2.69	108.13	110.53
14	e	503	CLA	C3B-C4B-NB	-2.69	108.13	110.53
14	q	503	CLA	C3B-C4B-NB	-2.69	108.13	110.53
17	i	524	BCR	C28-C27-C26	-2.69	109.26	114.06
14	c	505	CLA	C1-C2-C3	-2.69	121.79	126.20
17	b5	523	BCR	C8-C7-C6	-2.69	119.81	127.00
17	q	524	BCR	C8-C7-C6	-2.69	119.81	127.00
14	c1	503	CLA	C3B-C4B-NB	-2.69	108.13	110.53
14	g	518	CLA	C3B-C4B-NB	-2.69	108.13	110.53
14	l	508	CLA	C3B-C4B-NB	-2.69	108.13	110.53
20	m	822	SQD	C44-O6-C1	2.69	119.56	113.80
17	bF	4015	BCR	C2-C1-C6	2.69	114.34	110.44
14	a5	511	CLA	C3B-C4B-NB	-2.69	108.13	110.53
14	b3	503	CLA	C3B-C4B-NB	-2.69	108.13	110.53
14	d	503	CLA	C3B-C4B-NB	-2.69	108.13	110.53
14	f	511	CLA	C3B-C4B-NB	-2.69	108.13	110.53
14	aA	1118	CLA	C3B-C4B-NB	-2.69	108.13	110.53
14	b4	502	CLA	C3B-C4B-NB	-2.69	108.13	110.53
14	cA	1137	CLA	C3B-C4B-NB	-2.69	108.13	110.53
17	aB	4009	BCR	C30-C25-C26	-2.69	118.97	122.64
17	U	523	BCR	C3-C4-C5	-2.69	109.27	114.06
20	c2	822	SQD	O5-C5-C4	2.69	114.54	109.70
14	aB	1219	CLA	C3B-C4B-NB	-2.69	108.13	110.53
14	cA	1121	CLA	C3B-C4B-NB	-2.69	108.13	110.53
14	c6	511	CLA	C3B-C4B-NB	-2.69	108.13	110.53
17	T	524	BCR	C8-C7-C6	-2.68	119.83	127.00
14	cB	1213	CLA	C1-C2-C3	-2.68	121.80	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	c3	510	CLA	C3B-C4B-NB	-2.68	108.13	110.53
14	d	513	CLA	C3B-C4B-NB	-2.68	108.13	110.53
17	b4	522	BCR	C23-C24-C25	-2.68	119.83	127.00
17	k	523	BCR	C4-C5-C6	-2.68	119.08	122.70
17	c	522	BCR	C23-C24-C25	-2.68	119.83	127.00
14	bB	1214	CLA	C3B-C4B-NB	-2.68	108.14	110.53
17	c6	522	BCR	C15-C16-C17	-2.68	118.03	123.52
17	c1	522	BCR	C23-C24-C25	-2.68	119.83	127.00
14	cA	1140	CLA	C3B-C4B-NB	-2.68	108.14	110.53
14	o	506	CLA	C3B-C4B-NB	-2.68	108.14	110.53
17	c1	522	BCR	C15-C16-C17	-2.68	118.03	123.52
17	m	524	BCR	C28-C27-C26	-2.68	109.28	114.06
14	aB	1225	CLA	C3B-C4B-NB	-2.68	108.14	110.53
14	c5	505	CLA	C3B-C4B-NB	-2.68	108.14	110.53
14	V	511	CLA	C3B-C4B-NB	-2.68	108.14	110.53
17	X	523	BCR	C38-C26-C25	-2.68	121.56	124.48
14	aB	1205	CLA	O2A-CGA-O1A	-2.68	116.92	123.63
17	a2	523	BCR	C8-C7-C6	-2.68	119.84	127.00
17	i	522	BCR	C15-C16-C17	-2.68	118.03	123.52
17	aB	4009	BCR	C8-C7-C6	-2.68	119.84	127.00
14	aA	1135	CLA	C3B-C4B-NB	-2.68	108.14	110.53
14	a2	503	CLA	C3B-C4B-NB	-2.68	108.14	110.53
14	c3	503	CLA	C3B-C4B-NB	-2.68	108.14	110.53
17	bF	4016	BCR	C3-C4-C5	-2.68	109.28	114.06
17	c	524	BCR	C23-C24-C25	-2.68	119.85	127.00
14	aL	1503	CLA	C3B-C4B-NB	-2.68	108.14	110.53
14	c3	508	CLA	C3B-C4B-NB	-2.68	108.14	110.53
14	q	508	CLA	C3B-C4B-NB	-2.68	108.14	110.53
17	T	522	BCR	C11-C12-C13	-2.68	119.02	126.36
14	bB	1226	CLA	C1-C2-C3	-2.68	121.81	126.20
17	a4	524	BCR	C33-C5-C4	2.68	119.30	113.60
14	c2	513	CLA	C3B-C4B-NB	-2.68	108.14	110.53
14	c4	516	CLA	C3B-C4B-NB	-2.68	108.14	110.53
14	T	509	CLA	C3B-C4B-NB	-2.68	108.14	110.53
17	c3	523	BCR	C1-C6-C5	-2.68	118.98	122.64
17	aB	4004	BCR	C28-C27-C26	-2.68	109.28	114.06
17	c2	524	BCR	C8-C7-C6	-2.68	119.85	127.00
17	c4	523	BCR	C15-C16-C17	-2.68	118.04	123.52
17	l	522	BCR	C11-C12-C13	-2.68	119.03	126.36
17	f	522	BCR	C15-C16-C17	-2.68	118.05	123.52
14	a2	519	CLA	C3B-C4B-NB	-2.68	108.14	110.53
14	a6	510	CLA	C3B-C4B-NB	-2.68	108.14	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	o	508	CLA	C3B-C4B-NB	-2.68	108.14	110.53
14	q	513	CLA	C3B-C4B-NB	-2.68	108.14	110.53
20	n	822	SQD	C44-O6-C1	2.67	119.53	113.80
14	c4	509	CLA	C3B-C4B-NB	-2.67	108.14	110.53
14	S	511	CLA	C3B-C4B-NB	-2.67	108.14	110.53
14	S	516	CLA	C3B-C4B-NB	-2.67	108.14	110.53
14	X	516	CLA	C3B-C4B-NB	-2.67	108.14	110.53
14	a	509	CLA	C3B-C4B-NB	-2.67	108.14	110.53
14	f	502	CLA	C3B-C4B-NB	-2.67	108.14	110.53
14	n	503	CLA	C3B-C4B-NB	-2.67	108.14	110.53
14	aB	1021	CLA	C3B-C4B-NB	-2.67	108.14	110.53
14	bB	1202	CLA	C3B-C4B-NB	-2.67	108.14	110.53
14	b3	511	CLA	C3B-C4B-NB	-2.67	108.14	110.53
14	b5	504	CLA	O2D-CGD-O1D	-2.67	118.65	123.85
14	c1	511	CLA	C3B-C4B-NB	-2.67	108.15	110.53
14	c4	518	CLA	C3B-C4B-NB	-2.67	108.15	110.53
20	a5	822	SQD	C44-O6-C1	2.67	119.52	113.80
17	a	522	BCR	C38-C26-C27	2.67	119.29	113.60
14	cB	1202	CLA	C3B-C4B-NB	-2.67	108.15	110.53
14	b	503	CLA	C3B-C4B-NB	-2.67	108.15	110.53
14	m	519	CLA	O2D-CGD-O1D	-2.67	118.65	123.85
14	bB	1225	CLA	C3B-C4B-NB	-2.67	108.15	110.53
14	c4	511	CLA	C3B-C4B-NB	-2.67	108.15	110.53
14	f	509	CLA	C3B-C4B-NB	-2.67	108.15	110.53
14	cB	1230	CLA	CAA-C2A-C3A	-2.67	105.79	113.00
17	p	522	BCR	C15-C16-C17	-2.67	118.06	123.52
14	bA	1121	CLA	C3B-C4B-NB	-2.67	108.15	110.53
17	U	524	BCR	C8-C7-C6	-2.67	119.87	127.00
17	T	523	BCR	C3-C4-C5	-2.67	109.30	114.06
14	bB	1217	CLA	C3B-C4B-NB	-2.67	108.15	110.53
14	c1	505	CLA	C3B-C4B-NB	-2.67	108.15	110.53
14	g	519	CLA	C3B-C4B-NB	-2.67	108.15	110.53
20	X	822	SQD	C44-O6-C1	2.67	119.51	113.80
17	n	523	BCR	C8-C7-C6	-2.67	119.88	127.00
17	cF	4014	BCR	C7-C8-C9	-2.67	122.29	126.23
17	S	524	BCR	C38-C26-C25	-2.67	121.58	124.48
14	b2	502	CLA	C3B-C4B-NB	-2.66	108.15	110.53
14	cL	1503	CLA	C3B-C4B-NB	-2.66	108.15	110.53
17	i	521	BCR	C3-C4-C5	-2.66	109.30	114.06
17	h	523	BCR	C38-C26-C25	-2.66	121.58	124.48
17	cI	4018	BCR	C15-C16-C17	-2.66	118.07	123.52
14	a4	519	CLA	C3B-C4B-NB	-2.66	108.15	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	bF	4016	BCR	C23-C24-C25	-2.66	119.88	127.00
14	aA	1108	CLA	C3B-C4B-NB	-2.66	108.15	110.53
14	k	516	CLA	C3B-C4B-NB	-2.66	108.15	110.53
14	k	519	CLA	C3B-C4B-NB	-2.66	108.15	110.53
14	c2	510	CLA	C3B-C4B-NB	-2.66	108.15	110.53
14	g	516	CLA	C3B-C4B-NB	-2.66	108.15	110.53
20	T	822	SQD	O48-C23-C24	2.66	119.23	111.15
17	n	521	BCR	C3-C4-C5	-2.66	109.31	114.06
17	cB	4004	BCR	C16-C15-C14	-2.66	118.07	123.52
14	bB	1210	CLA	C3B-C4B-NB	-2.66	108.16	110.53
14	c4	504	CLA	C3B-C4B-NB	-2.66	108.16	110.53
14	U	510	CLA	C3B-C4B-NB	-2.66	108.16	110.53
14	a5	504	CLA	C3B-C4B-NB	-2.66	108.16	110.53
14	b2	501	CLA	C3B-C4B-NB	-2.66	108.16	110.53
14	b2	511	CLA	C3B-C4B-NB	-2.66	108.16	110.53
14	p	502	CLA	C3B-C4B-NB	-2.66	108.16	110.53
17	aA	4003	BCR	C23-C24-C25	-2.66	119.89	127.00
17	a3	523	BCR	C15-C16-C17	-2.66	118.08	123.52
17	b6	523	BCR	C28-C27-C26	-2.66	109.32	114.06
14	a2	513	CLA	C3B-C4B-NB	-2.66	108.16	110.53
14	b2	516	CLA	C3B-C4B-NB	-2.66	108.16	110.53
14	cB	1217	CLA	C3B-C4B-NB	-2.66	108.16	110.53
14	c6	519	CLA	C3B-C4B-NB	-2.66	108.16	110.53
14	V	517	CLA	C3B-C4B-NB	-2.66	108.16	110.53
17	c	524	BCR	C38-C26-C25	-2.66	121.58	124.48
14	aB	1220	CLA	C3B-C4B-NB	-2.66	108.16	110.53
14	b6	510	CLA	C3B-C4B-NB	-2.66	108.16	110.53
14	a	503	CLA	C3B-C4B-NB	-2.66	108.16	110.53
14	l	503	CLA	C3B-C4B-NB	-2.66	108.16	110.53
20	d	822	SQD	O5-C5-C4	2.66	114.48	109.70
17	cK	4001	BCR	C11-C12-C13	-2.66	119.08	126.36
14	b3	505	CLA	C1-C2-C3	-2.66	121.85	126.20
14	a5	519	CLA	C3B-C4B-NB	-2.65	108.16	110.53
14	c2	509	CLA	C3B-C4B-NB	-2.65	108.16	110.53
17	c5	522	BCR	C11-C12-C13	-2.65	119.08	126.36
14	a1	509	CLA	C3B-C4B-NB	-2.65	108.16	110.53
14	c	511	CLA	C3B-C4B-NB	-2.65	108.16	110.53
17	c5	523	BCR	C3-C4-C5	-2.65	109.32	114.06
17	cI	4018	BCR	C3-C4-C5	-2.65	109.33	114.06
17	a3	522	BCR	C15-C16-C17	-2.65	118.09	123.52
17	a	523	BCR	C3-C4-C5	-2.65	109.33	114.06
17	q	524	BCR	C28-C27-C26	-2.65	109.33	114.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a3	511	CLA	C3B-C4B-NB	-2.65	108.16	110.53
14	X	511	CLA	C3B-C4B-NB	-2.65	108.16	110.53
14	d	509	CLA	C3B-C4B-NB	-2.65	108.16	110.53
14	k	509	CLA	C3B-C4B-NB	-2.65	108.16	110.53
17	k	523	BCR	C33-C5-C4	2.65	119.25	113.60
17	bF	4014	BCR	C7-C8-C9	-2.65	122.31	126.23
14	a6	502	CLA	C3B-C4B-NB	-2.65	108.16	110.53
14	cA	1011	CLA	C3B-C4B-NB	-2.65	108.16	110.53
14	p	511	CLA	C3B-C4B-NB	-2.65	108.16	110.53
17	a4	524	BCR	C8-C7-C6	-2.65	119.92	127.00
17	c1	522	BCR	C11-C12-C13	-2.65	119.10	126.36
15	aA	2001	PQN	C2M-C2-C3	-2.65	120.09	124.45
17	a6	522	BCR	C15-C16-C17	-2.65	118.10	123.52
20	b4	822	SQD	O9-S-C6	2.65	110.71	106.76
17	c5	522	BCR	C15-C16-C17	-2.65	118.10	123.52
14	l	519	CLA	O2D-CGD-O1D	-2.65	118.69	123.85
14	a3	505	CLA	C3B-C4B-NB	-2.65	108.17	110.53
17	a5	524	BCR	C33-C5-C4	2.65	119.24	113.60
17	b6	522	BCR	C33-C5-C4	2.65	119.24	113.60
21	b1	5104	LMG	O6-C1-O1	-2.65	103.78	110.04
14	j	516	CLA	C3B-C4B-NB	-2.65	108.17	110.53
14	aB	1228	CLA	C1-C2-C3	-2.65	121.86	126.20
17	bA	4002	BCR	C23-C24-C25	-2.65	119.93	127.00
17	b3	524	BCR	C28-C27-C26	-2.65	109.33	114.06
17	o	523	BCR	C33-C5-C4	2.65	119.24	113.60
14	a6	508	CLA	C3B-C4B-NB	-2.65	108.17	110.53
17	aI	4018	BCR	C3-C4-C5	-2.65	109.34	114.06
14	a3	506	CLA	C3B-C4B-NB	-2.65	108.17	110.53
14	W	509	CLA	C3B-C4B-NB	-2.65	108.17	110.53
14	b	511	CLA	C3B-C4B-NB	-2.65	108.17	110.53
14	g	511	CLA	C3B-C4B-NB	-2.65	108.17	110.53
20	i	822	SQD	O5-C5-C4	2.65	114.47	109.70
14	b6	504	CLA	CHB-C4A-NA	2.64	128.22	124.40
14	bB	1230	CLA	C3B-C4B-NB	-2.64	108.17	110.53
14	cA	1127	CLA	C3B-C4B-NB	-2.64	108.17	110.53
14	g	508	CLA	C3B-C4B-NB	-2.64	108.17	110.53
14	V	517	CLA	O2A-CGA-O1A	-2.64	116.53	123.33
14	b5	513	CLA	C3B-C4B-NB	-2.64	108.17	110.53
15	bB	2002	PQN	C2M-C2-C3	-2.64	120.11	124.45
14	cB	1214	CLA	C3B-C4B-NB	-2.64	108.17	110.53
20	W	822	SQD	O48-C23-C24	2.64	119.89	111.83
21	a6	5104	LMG	O6-C1-O1	-2.64	103.80	110.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	p	521	BCR	C20-C19-C18	-2.64	119.12	126.36
18	bA	5004	LHG	O8-C23-C24	2.64	119.89	111.83
17	cF	4015	BCR	C4-C5-C6	-2.64	119.14	122.70
14	aB	1214	CLA	C3B-C4B-NB	-2.64	108.17	110.53
20	a2	822	SQD	C44-O6-C1	2.64	119.46	113.80
20	i	822	SQD	C44-O6-C1	2.64	119.46	113.80
14	bA	1011	CLA	C3B-C4B-NB	-2.64	108.17	110.53
14	b3	518	CLA	C3B-C4B-NB	-2.64	108.17	110.53
14	b3	519	CLA	C3B-C4B-NB	-2.64	108.17	110.53
14	c3	511	CLA	C3B-C4B-NB	-2.64	108.17	110.53
14	c6	516	CLA	C3B-C4B-NB	-2.64	108.17	110.53
14	W	519	CLA	C3B-C4B-NB	-2.64	108.17	110.53
17	j	522	BCR	C33-C5-C4	2.64	119.22	113.60
17	cB	4009	BCR	C8-C7-C6	-2.64	119.95	127.00
14	aB	1233	CLA	C3B-C4B-NB	-2.64	108.18	110.53
14	a3	503	CLA	C3B-C4B-NB	-2.64	108.18	110.53
14	bA	1128	CLA	C3B-C4B-NB	-2.64	108.18	110.53
17	h	522	BCR	C15-C16-C17	-2.64	118.12	123.52
14	bA	1801	CLA	C3B-C4B-NB	-2.64	108.18	110.53
14	cB	1219	CLA	C3B-C4B-NB	-2.64	108.18	110.53
14	q	517	CLA	C3B-C4B-NB	-2.64	108.18	110.53
17	bI	4018	BCR	C38-C26-C27	2.64	119.22	113.60
14	cA	1135	CLA	C3B-C4B-NB	-2.63	108.18	110.53
14	o	511	CLA	C3B-C4B-NB	-2.63	108.18	110.53
17	a5	522	BCR	C15-C16-C17	-2.63	118.13	123.52
17	bB	4009	BCR	C28-C27-C26	-2.63	109.36	114.06
14	bA	1118	CLA	C3B-C4B-NB	-2.63	108.18	110.53
14	cB	1236	CLA	C3B-C4B-NB	-2.63	108.18	110.53
14	e	506	CLA	C3B-C4B-NB	-2.63	108.18	110.53
17	d	522	BCR	C38-C26-C27	2.63	119.21	113.60
14	q	505	CLA	C1-C2-C3	-2.63	121.88	126.20
17	a4	523	BCR	C33-C5-C4	2.63	119.21	113.60
18	bA	5005	LHG	C11-C10-C9	-2.63	101.06	114.37
17	bA	4007	BCR	C3-C4-C5	-2.63	109.36	114.06
14	aA	1103	CLA	C3B-C4B-NB	-2.63	108.18	110.53
14	Z	503	CLA	C3B-C4B-NB	-2.63	108.18	110.53
20	a6	822	SQD	C44-O6-C1	2.63	119.44	113.80
15	bA	2001	PQN	C2M-C2-C3	-2.63	120.12	124.45
14	aA	1104	CLA	C3B-C4B-NB	-2.63	108.18	110.53
14	V	508	CLA	C3B-C4B-NB	-2.63	108.18	110.53
17	a	523	BCR	C28-C27-C26	-2.63	109.36	114.06
14	a5	510	CLA	C3B-C4B-NB	-2.63	108.18	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	cJ	1303	CLA	C3B-C4B-NB	-2.63	108.18	110.53
17	T	523	BCR	C8-C7-C6	-2.63	119.97	127.00
17	aI	4018	BCR	C38-C26-C27	2.63	119.20	113.60
17	p	522	BCR	C11-C12-C13	-2.63	119.15	126.36
17	q	523	BCR	C28-C27-C26	-2.63	109.37	114.06
14	aB	1213	CLA	C3B-C4B-NB	-2.63	108.18	110.53
14	a2	509	CLA	CHB-C4A-NA	2.63	128.19	124.40
14	a6	513	CLA	C3B-C4B-NB	-2.63	108.18	110.53
14	b5	505	CLA	C3B-C4B-NB	-2.63	108.18	110.53
14	cA	1103	CLA	C3B-C4B-NB	-2.63	108.18	110.53
14	i	513	CLA	C3B-C4B-NB	-2.63	108.18	110.53
14	Y	503	CLA	C3B-C4B-NB	-2.63	108.19	110.53
14	n	507	CLA	C3B-C4B-NB	-2.63	108.19	110.53
14	p	517	CLA	C3B-C4B-NB	-2.63	108.19	110.53
17	cF	4016	BCR	C15-C16-C17	-2.63	118.14	123.52
17	aA	4007	BCR	C38-C26-C27	2.63	119.19	113.60
14	aA	1130	CLA	C3B-C4B-NB	-2.63	108.19	110.53
14	c	505	CLA	C3B-C4B-NB	-2.63	108.19	110.53
14	h	506	CLA	C3B-C4B-NB	-2.63	108.19	110.53
17	bJ	4013	BCR	C15-C16-C17	-2.62	118.15	123.52
14	T	513	CLA	C3B-C4B-NB	-2.62	108.19	110.53
17	m	524	BCR	C11-C12-C13	-2.62	119.17	126.36
14	d	519	CLA	C3B-C4B-NB	-2.62	108.19	110.53
14	n	502	CLA	C3B-C4B-NB	-2.62	108.19	110.53
14	b3	513	CLA	C1-C2-C3	-2.62	122.52	126.76
14	bL	1501	CLA	C3B-C4B-NB	-2.62	108.19	110.53
14	bB	1023	CLA	CHB-C4A-NA	2.62	128.18	124.40
14	f	506	CLA	C3B-C4B-NB	-2.62	108.19	110.53
17	a1	524	BCR	C23-C24-C25	-2.62	120.00	127.00
20	a6	822	SQD	O48-C23-C24	2.62	119.82	111.83
14	aA	1128	CLA	C3B-C4B-NB	-2.62	108.19	110.53
14	c4	510	CLA	C3B-C4B-NB	-2.62	108.19	110.53
17	aB	4009	BCR	C28-C27-C26	-2.62	109.38	114.06
17	a	522	BCR	C11-C12-C13	-2.62	119.18	126.36
14	h	504	CLA	C3B-C4B-NB	-2.62	108.19	110.53
20	cB	1852	SQD	C44-O6-C1	2.62	119.41	113.80
15	aB	2002	PQN	C2M-C2-C3	-2.62	120.15	124.45
17	d	524	BCR	C11-C12-C13	-2.62	119.19	126.36
17	k	523	BCR	C33-C5-C6	-2.62	121.63	124.48
14	T	517	CLA	O2D-CGD-CBD	2.62	115.81	111.23
14	b1	513	CLA	C1-C2-C3	-2.62	122.53	126.76
14	a1	503	CLA	C3B-C4B-NB	-2.62	108.19	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
20	e	822	SQD	C44-O6-C1	2.62	119.41	113.80
18	bA	5005	LHG	O8-C23-C24	2.62	119.81	111.83
20	c1	822	SQD	O48-C23-C24	2.62	119.81	111.83
14	bA	1104	CLA	C3B-C4B-NB	-2.62	108.19	110.53
14	p	508	CLA	C3B-C4B-NB	-2.62	108.19	110.53
17	b6	521	BCR	C11-C12-C13	-2.62	119.19	126.36
14	bA	1135	CLA	C3B-C4B-NB	-2.61	108.20	110.53
14	cB	1233	CLA	C3B-C4B-NB	-2.61	108.20	110.53
14	g	509	CLA	C3B-C4B-NB	-2.61	108.20	110.53
14	q	511	CLA	C3B-C4B-NB	-2.61	108.20	110.53
17	cA	4002	BCR	C23-C24-C25	-2.61	120.01	127.00
17	X	523	BCR	C8-C7-C6	-2.61	120.01	127.00
17	a1	522	BCR	C23-C24-C25	-2.61	120.02	127.00
14	bB	1208	CLA	C3B-C4B-NB	-2.61	108.20	110.53
14	S	501	CLA	C3B-C4B-NB	-2.61	108.20	110.53
17	cA	4003	BCR	C38-C26-C27	2.61	119.17	113.60
14	W	511	CLA	C3B-C4B-NB	-2.61	108.20	110.53
17	aB	4004	BCR	C20-C19-C18	-2.61	119.20	126.36
17	V	523	BCR	C28-C27-C26	-2.61	109.40	114.06
17	bA	4002	BCR	C38-C26-C27	2.61	119.16	113.60
17	bB	4005	BCR	C8-C7-C6	-2.61	120.02	127.00
14	aA	1120	CLA	C3B-C4B-NB	-2.61	108.20	110.53
14	bB	1021	CLA	C3B-C4B-NB	-2.61	108.20	110.53
14	b1	509	CLA	C3B-C4B-NB	-2.61	108.20	110.53
14	c4	505	CLA	C3B-C4B-NB	-2.61	108.20	110.53
17	a1	523	BCR	C3-C4-C5	-2.61	109.40	114.06
17	n	521	BCR	C20-C19-C18	-2.61	119.21	126.36
14	bA	1130	CLA	C3B-C4B-NB	-2.61	108.20	110.53
14	bB	1236	CLA	C3B-C4B-NB	-2.61	108.20	110.53
14	bJ	1303	CLA	C3B-C4B-NB	-2.61	108.20	110.53
14	cA	1120	CLA	C3B-C4B-NB	-2.61	108.20	110.53
14	c1	508	CLA	C3B-C4B-NB	-2.61	108.20	110.53
14	e	509	CLA	C3B-C4B-NB	-2.61	108.20	110.53
17	c4	522	BCR	C11-C12-C13	-2.61	119.21	126.36
20	V	822	SQD	O9-S-C6	2.61	110.65	106.76
14	bB	1207	CLA	CHB-C4A-NA	2.61	128.16	124.40
14	j	503	CLA	CHB-C4A-NA	2.61	128.16	124.40
17	c1	523	BCR	C28-C27-C26	-2.61	109.40	114.06
14	f	509	CLA	CHB-C4A-NA	2.61	128.16	124.40
14	cB	1021	CLA	C3B-C4B-NB	-2.61	108.20	110.53
14	T	519	CLA	C3B-C4B-NB	-2.61	108.20	110.53
17	a2	522	BCR	C33-C5-C4	2.61	119.15	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	aB	1208	CLA	C3B-C4B-NB	-2.61	108.20	110.53
14	b3	502	CLA	C3B-C4B-NB	-2.61	108.20	110.53
14	cB	1221	CLA	C3B-C4B-NB	-2.61	108.20	110.53
15	cB	2002	PQN	C2M-C2-C3	-2.61	120.17	124.45
20	b	822	SQD	O6-C1-C2	2.61	112.23	108.27
14	c3	505	CLA	C3B-C4B-NB	-2.61	108.20	110.53
14	h	511	CLA	C3B-C4B-NB	-2.61	108.20	110.53
14	c5	505	CLA	C1-C2-C3	-2.60	121.93	126.20
14	bA	1120	CLA	C3B-C4B-NB	-2.60	108.20	110.53
14	b2	508	CLA	C3B-C4B-NB	-2.60	108.20	110.53
14	i	511	CLA	C3B-C4B-NB	-2.60	108.20	110.53
17	Z	523	BCR	C4-C5-C6	-2.60	119.19	122.70
20	S	822	SQD	C44-O6-C1	2.60	119.38	113.80
14	c6	504	CLA	C3B-C4B-NB	-2.60	108.21	110.53
14	Z	509	CLA	C3B-C4B-NB	-2.60	108.21	110.53
14	b	509	CLA	C3B-C4B-NB	-2.60	108.21	110.53
17	bB	4010	BCR	C11-C12-C13	-2.60	119.22	126.36
20	cB	1852	SQD	O9-S-C6	2.60	110.64	106.76
17	cB	4009	BCR	C33-C5-C4	2.60	119.14	113.60
17	X	523	BCR	C3-C4-C5	-2.60	109.42	114.06
14	cA	1128	CLA	C3B-C4B-NB	-2.60	108.21	110.53
14	k	512	CLA	C3B-C4B-NB	-2.60	108.21	110.53
14	n	511	CLA	C3B-C4B-NB	-2.60	108.21	110.53
14	aB	1236	CLA	C3B-C4B-NB	-2.60	108.21	110.53
14	j	503	CLA	C3B-C4B-NB	-2.60	108.21	110.53
17	b3	522	BCR	C15-C16-C17	-2.60	118.20	123.52
14	bB	1227	CLA	C1-C2-C3	-2.60	121.94	126.20
14	bB	1205	CLA	O2A-CGA-O1A	-2.60	117.12	123.63
17	c2	522	BCR	C33-C5-C4	2.60	119.14	113.60
17	S	522	BCR	C33-C5-C4	2.60	119.14	113.60
14	c1	511	CLA	C1-C2-C3	-2.60	122.56	126.76
17	c2	523	BCR	C38-C26-C25	-2.60	121.65	124.48
14	b5	508	CLA	C3B-C4B-NB	-2.60	108.21	110.53
14	cB	1230	CLA	C3B-C4B-NB	-2.60	108.21	110.53
14	c5	513	CLA	C3B-C4B-NB	-2.60	108.21	110.53
17	b2	522	BCR	C11-C12-C13	-2.60	119.24	126.36
17	aB	4010	BCR	C11-C12-C13	-2.60	119.24	126.36
20	c4	822	SQD	C44-O6-C1	2.60	119.37	113.80
14	c3	509	CLA	C3B-C4B-NB	-2.60	108.21	110.53
14	a	513	CLA	C3B-C4B-NB	-2.60	108.21	110.53
21	aJ	5104	LMG	O6-C1-O1	-2.60	103.91	110.04
17	j	522	BCR	C11-C12-C13	-2.60	119.24	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	a1	524	BCR	C28-C27-C26	-2.60	109.42	114.06
14	i	516	CLA	CHB-C4A-NA	2.60	128.15	124.40
14	cB	1235	CLA	C1-C2-C3	-2.60	121.94	126.20
17	g	523	BCR	C33-C5-C4	2.60	119.13	113.60
14	a2	502	CLA	C3B-C4B-NB	-2.60	108.21	110.53
14	T	508	CLA	C3B-C4B-NB	-2.60	108.21	110.53
14	U	508	CLA	C3B-C4B-NB	-2.60	108.21	110.53
17	a6	524	BCR	C4-C5-C6	-2.60	119.20	122.70
14	b5	507	CLA	C3B-C4B-NB	-2.60	108.21	110.53
17	X	522	BCR	C23-C24-C25	-2.60	120.06	127.00
21	cJ	5104	LMG	O6-C1-O1	-2.59	103.91	110.04
14	b1	511	CLA	C1-C2-C3	-2.59	121.95	126.20
14	aA	1137	CLA	C3B-C4B-NB	-2.59	108.21	110.53
14	a	516	CLA	C3B-C4B-NB	-2.59	108.21	110.53
14	b	505	CLA	C3B-C4B-NB	-2.59	108.21	110.53
14	m	518	CLA	C3B-C4B-NB	-2.59	108.21	110.53
17	cB	4009	BCR	C28-C27-C26	-2.59	109.43	114.06
17	b1	523	BCR	C3-C4-C5	-2.59	109.43	114.06
14	bB	1206	CLA	C3B-C4B-NB	-2.59	108.22	110.53
14	b4	509	CLA	C3B-C4B-NB	-2.59	108.22	110.53
14	d	511	CLA	C3B-C4B-NB	-2.59	108.22	110.53
17	aB	4005	BCR	C8-C7-C6	-2.59	120.07	127.00
17	b5	522	BCR	C11-C12-C13	-2.59	119.25	126.36
21	a1	5104	LMG	O6-C1-O1	-2.59	103.92	110.04
20	q	822	SQD	C44-O6-C1	2.59	119.35	113.80
17	b4	522	BCR	C33-C5-C4	2.59	119.12	113.60
14	c2	508	CLA	C3B-C4B-NB	-2.59	108.22	110.53
20	d	822	SQD	O48-C23-C24	2.59	119.74	111.83
17	e	524	BCR	C11-C12-C13	-2.59	119.26	126.36
14	cB	1205	CLA	O2A-CGA-O1A	-2.59	117.14	123.63
14	b5	506	CLA	C3B-C4B-NB	-2.59	108.22	110.53
14	c3	513	CLA	C3B-C4B-NB	-2.59	108.22	110.53
17	cA	4002	BCR	C38-C26-C27	2.59	119.12	113.60
17	b2	522	BCR	C15-C16-C17	-2.59	118.22	123.52
20	aB	1852	SQD	C44-O6-C1	2.59	119.35	113.80
14	a4	505	CLA	C3B-C4B-NB	-2.59	108.22	110.53
14	b1	503	CLA	C3B-C4B-NB	-2.59	108.22	110.53
14	cL	1501	CLA	C3B-C4B-NB	-2.59	108.22	110.53
14	c6	505	CLA	C3B-C4B-NB	-2.59	108.22	110.53
14	aA	1115	CLA	CHB-C4A-NA	2.59	128.14	124.40
17	V	522	BCR	C23-C24-C25	-2.59	120.08	127.00
17	j	521	BCR	C38-C26-C25	-2.59	121.66	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	c5	519	CLA	C3B-C4B-NB	-2.59	108.22	110.53
14	V	503	CLA	C3B-C4B-NB	-2.59	108.22	110.53
17	aI	4018	BCR	C15-C16-C17	-2.59	118.22	123.52
17	W	524	BCR	C28-C27-C26	-2.59	109.44	114.06
14	aA	1131	CLA	C3B-C4B-NB	-2.59	108.22	110.53
14	a6	505	CLA	C3B-C4B-NB	-2.59	108.22	110.53
14	a6	509	CLA	C3B-C4B-NB	-2.59	108.22	110.53
14	b5	510	CLA	C3B-C4B-NB	-2.59	108.22	110.53
14	h	509	CLA	C3B-C4B-NB	-2.59	108.22	110.53
20	g	822	SQD	O48-C23-C24	2.59	119.00	111.15
14	X	513	CLA	C3B-C4B-NB	-2.59	108.22	110.53
17	b1	522	BCR	C11-C12-C13	-2.59	119.27	126.36
14	g	501	CLA	C1-C2-C3	-2.58	121.96	126.20
14	b4	506	CLA	C3B-C4B-NB	-2.58	108.22	110.53
14	Y	508	CLA	C3B-C4B-NB	-2.58	108.22	110.53
14	Z	511	CLA	C3B-C4B-NB	-2.58	108.22	110.53
14	a4	509	CLA	C3B-C4B-NB	-2.58	108.22	110.53
14	c6	506	CLA	C3B-C4B-NB	-2.58	108.22	110.53
17	bA	4003	BCR	C38-C26-C27	2.58	119.10	113.60
14	i	503	CLA	CHB-C4A-NA	2.58	128.13	124.40
14	Z	510	CLA	C3B-C4B-NB	-2.58	108.22	110.53
14	cB	1236	CLA	C1-C2-C3	-2.58	122.58	126.76
17	b	523	BCR	C23-C24-C25	-2.58	120.10	127.00
17	bB	4004	BCR	C16-C15-C14	-2.58	118.24	123.52
14	aB	1202	CLA	C3B-C4B-NB	-2.58	108.23	110.53
14	a2	511	CLA	C3B-C4B-NB	-2.58	108.23	110.53
14	b1	513	CLA	C3B-C4B-NB	-2.58	108.23	110.53
14	c2	507	CLA	C3B-C4B-NB	-2.58	108.23	110.53
17	j	523	BCR	C8-C7-C6	-2.58	120.10	127.00
20	V	822	SQD	O48-C23-C24	2.58	119.70	111.83
17	cJ	4012	BCR	C23-C24-C25	-2.58	120.11	127.00
18	cA	5005	LHG	C11-C10-C9	-2.58	101.33	114.37
17	c3	523	BCR	C33-C5-C6	-2.58	121.67	124.48
14	W	508	CLA	C3B-C4B-NB	-2.58	108.23	110.53
14	j	509	CLA	C3B-C4B-NB	-2.58	108.23	110.53
20	aB	1852	SQD	O48-C23-C24	2.58	119.70	111.83
20	bB	1852	SQD	O9-S-C6	2.58	110.61	106.76
17	W	522	BCR	C33-C5-C4	2.58	119.09	113.60
17	f	522	BCR	C33-C5-C4	2.58	119.09	113.60
17	a1	523	BCR	C28-C27-C26	-2.58	109.46	114.06
14	a1	516	CLA	O2D-CGD-CBD	2.58	115.74	111.23
14	bA	1113	CLA	C1-C2-C3	-2.58	122.59	126.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	cB	4005	BCR	C8-C7-C6	-2.58	120.11	127.00
17	cI	4018	BCR	C38-C26-C27	2.58	119.09	113.60
17	Z	523	BCR	C33-C5-C4	2.58	119.09	113.60
17	bA	4007	BCR	C33-C5-C4	2.58	119.09	113.60
14	b1	519	CLA	C3B-C4B-NB	-2.58	108.23	110.53
14	W	502	CLA	C3B-C4B-NB	-2.58	108.23	110.53
14	b4	518	CLA	C3B-C4B-NB	-2.58	108.23	110.53
14	c2	505	CLA	C3B-C4B-NB	-2.58	108.23	110.53
14	c5	510	CLA	C3B-C4B-NB	-2.58	108.23	110.53
14	c	510	CLA	C3B-C4B-NB	-2.58	108.23	110.53
20	m	822	SQD	O5-C5-C4	2.57	114.34	109.70
17	cI	4020	BCR	C7-C8-C9	-2.57	122.43	126.23
14	a5	502	CLA	C3B-C4B-NB	-2.57	108.23	110.53
14	a5	507	CLA	C3B-C4B-NB	-2.57	108.23	110.53
14	a5	509	CLA	C3B-C4B-NB	-2.57	108.23	110.53
14	U	511	CLA	C3B-C4B-NB	-2.57	108.23	110.53
20	c1	822	SQD	C44-O6-C1	2.57	119.31	113.80
17	S	524	BCR	C23-C24-C25	-2.57	120.12	127.00
17	i	522	BCR	C38-C26-C27	2.57	119.08	113.60
17	b6	522	BCR	C15-C16-C17	-2.57	118.25	123.52
17	Z	523	BCR	C33-C5-C6	-2.57	121.68	124.48
14	aB	1236	CLA	C1-C2-C3	-2.57	122.60	126.76
14	b2	503	CLA	C3B-C4B-NB	-2.57	108.23	110.53
14	b6	511	CLA	C3B-C4B-NB	-2.57	108.23	110.53
17	g	522	BCR	C33-C5-C4	2.57	119.08	113.60
17	c5	523	BCR	C8-C7-C6	-2.57	120.12	127.00
14	X	505	CLA	C1-C2-C3	-2.57	121.98	126.20
14	a1	505	CLA	C3B-C4B-NB	-2.57	108.23	110.53
14	k	510	CLA	C3B-C4B-NB	-2.57	108.23	110.53
17	l	521	BCR	C20-C19-C18	-2.57	119.31	126.36
14	aA	1127	CLA	C3B-C4B-NB	-2.57	108.23	110.53
14	T	502	CLA	C3B-C4B-NB	-2.57	108.23	110.53
14	W	505	CLA	C1-C2-C3	-2.57	121.98	126.20
17	c1	522	BCR	C33-C5-C4	2.57	119.08	113.60
14	cA	1118	CLA	C3B-C4B-NB	-2.57	108.24	110.53
17	bF	4015	BCR	C4-C5-C6	-2.57	119.23	122.70
17	a5	522	BCR	C33-C5-C4	2.57	119.07	113.60
17	e	522	BCR	C38-C26-C27	2.57	119.07	113.60
17	cB	4017	BCR	C16-C15-C14	-2.57	118.26	123.52
14	aB	1207	CLA	CHB-C4A-NA	2.57	128.11	124.40
17	c3	523	BCR	C4-C5-C6	-2.57	119.23	122.70
18	aA	5001	LHG	C11-C10-C9	-2.57	101.38	114.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	aA	1123	CLA	C3B-C4B-NB	-2.57	108.24	110.53
14	c2	502	CLA	C3B-C4B-NB	-2.57	108.24	110.53
14	c4	502	CLA	C3B-C4B-NB	-2.57	108.24	110.53
17	W	522	BCR	C38-C26-C27	2.57	119.07	113.60
14	bB	1221	CLA	C3B-C4B-NB	-2.57	108.24	110.53
14	f	508	CLA	C3B-C4B-NB	-2.57	108.24	110.53
17	cA	4007	BCR	C38-C26-C27	2.57	119.07	113.60
14	bB	1236	CLA	C1-C2-C3	-2.57	122.61	126.76
17	cF	4015	BCR	C33-C5-C4	2.57	119.07	113.60
14	aB	1206	CLA	C3B-C4B-NB	-2.57	108.24	110.53
14	b	508	CLA	C3B-C4B-NB	-2.57	108.24	110.53
14	e	508	CLA	C3B-C4B-NB	-2.57	108.24	110.53
17	aB	4009	BCR	C33-C5-C4	2.57	119.07	113.60
14	bB	1220	CLA	C3B-C4B-NB	-2.57	108.24	110.53
14	b4	510	CLA	C3B-C4B-NB	-2.57	108.24	110.53
14	b4	513	CLA	C3B-C4B-NB	-2.57	108.24	110.53
14	U	507	CLA	C3B-C4B-NB	-2.57	108.24	110.53
14	j	506	CLA	C3B-C4B-NB	-2.57	108.24	110.53
14	bA	1127	CLA	C3B-C4B-NB	-2.56	108.24	110.53
14	T	503	CLA	C3B-C4B-NB	-2.56	108.24	110.53
17	f	522	BCR	C11-C12-C13	-2.56	119.33	126.36
14	b6	518	CLA	C1-C2-C3	-2.56	122.61	126.76
14	b4	508	CLA	C3B-C4B-NB	-2.56	108.24	110.53
14	cB	1208	CLA	C3B-C4B-NB	-2.56	108.24	110.53
14	Y	506	CLA	C3B-C4B-NB	-2.56	108.24	110.53
14	l	506	CLA	C3B-C4B-NB	-2.56	108.24	110.53
14	l	519	CLA	C3B-C4B-NB	-2.56	108.24	110.53
14	c5	511	CLA	C3B-C4B-NB	-2.56	108.24	110.53
14	c6	502	CLA	C3B-C4B-NB	-2.56	108.24	110.53
17	b3	522	BCR	C38-C26-C27	2.56	119.06	113.60
17	b5	522	BCR	C38-C26-C27	2.56	119.06	113.60
17	c2	522	BCR	C11-C12-C13	-2.56	119.34	126.36
14	V	509	CLA	CHB-C4A-NA	2.56	128.10	124.40
14	o	502	CLA	CHB-C4A-NA	2.56	128.10	124.40
14	bA	1131	CLA	C3B-C4B-NB	-2.56	108.24	110.53
14	b2	513	CLA	C3B-C4B-NB	-2.56	108.24	110.53
14	q	502	CLA	C3B-C4B-NB	-2.56	108.24	110.53
17	cA	4007	BCR	C33-C5-C4	2.56	119.05	113.60
20	i	822	SQD	O48-C23-C24	2.56	119.64	111.83
14	b4	509	CLA	CHB-C4A-NA	2.56	128.09	124.40
14	b3	509	CLA	C3B-C4B-NB	-2.56	108.25	110.53
14	b	516	CLA	C3B-C4B-NB	-2.56	108.25	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	cA	1131	CLA	C3B-C4B-NB	-2.56	108.25	110.53
14	k	506	CLA	C3B-C4B-NB	-2.56	108.25	110.53
14	q	509	CLA	C3B-C4B-NB	-2.56	108.25	110.53
17	b1	522	BCR	C24-C23-C22	-2.56	122.45	126.23
17	b1	522	BCR	C38-C26-C27	2.56	119.05	113.60
17	c3	523	BCR	C33-C5-C4	2.56	119.05	113.60
17	b	522	BCR	C16-C17-C18	-2.56	123.69	127.28
14	bA	1115	CLA	CHB-C4A-NA	2.56	128.09	124.40
20	Z	822	SQD	O48-C23-C24	2.56	119.64	111.83
18	cA	5001	LHG	C11-C10-C9	-2.56	101.44	114.37
17	g	522	BCR	C38-C26-C27	2.56	119.05	113.60
17	T	523	BCR	C28-C27-C26	-2.56	109.50	114.06
14	W	506	CLA	C3B-C4B-NB	-2.56	108.25	110.53
14	k	507	CLA	C3B-C4B-NB	-2.56	108.25	110.53
14	o	516	CLA	O2A-CGA-O1A	-2.56	116.76	123.33
17	cB	4009	BCR	C30-C25-C26	-2.56	119.14	122.64
17	e	522	BCR	C23-C24-C25	-2.56	120.17	127.00
14	a1	507	CLA	C3B-C4B-NB	-2.56	108.25	110.53
14	a6	506	CLA	C3B-C4B-NB	-2.56	108.25	110.53
14	c	509	CLA	C3B-C4B-NB	-2.56	108.25	110.53
14	cA	1115	CLA	CHB-C4A-NA	2.56	128.09	124.40
17	p	524	BCR	C8-C7-C6	-2.56	120.17	127.00
14	Z	505	CLA	C1-C2-C3	-2.56	122.01	126.20
14	l	502	CLA	CHB-C4A-NA	2.56	128.09	124.40
17	W	522	BCR	C11-C12-C13	-2.56	119.36	126.36
17	d	524	BCR	C28-C27-C26	-2.56	109.50	114.06
17	h	522	BCR	C33-C5-C4	2.56	119.04	113.60
14	b3	508	CLA	C3B-C4B-NB	-2.56	108.25	110.53
14	e	502	CLA	C3B-C4B-NB	-2.56	108.25	110.53
17	cF	4016	BCR	C3-C4-C5	-2.55	109.50	114.06
17	a4	522	BCR	C15-C16-C17	-2.55	118.29	123.52
14	bB	1212	CLA	C3B-C4B-NB	-2.55	108.25	110.53
14	Y	511	CLA	C3B-C4B-NB	-2.55	108.25	110.53
14	Z	507	CLA	C3B-C4B-NB	-2.55	108.25	110.53
14	b	510	CLA	C3B-C4B-NB	-2.55	108.25	110.53
14	k	511	CLA	C3B-C4B-NB	-2.55	108.25	110.53
14	j	504	CLA	CHB-C4A-NA	2.55	128.09	124.40
17	aB	4004	BCR	C16-C15-C14	-2.55	118.30	123.52
17	aF	4016	BCR	C3-C4-C5	-2.55	109.50	114.06
17	c6	524	BCR	C8-C7-C6	-2.55	120.18	127.00
14	X	502	CLA	C3B-C4B-NB	-2.55	108.25	110.53
17	n	522	BCR	C11-C12-C13	-2.55	119.36	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	c	502	CLA	C3B-C4B-NB	-2.55	108.25	110.53
14	l	502	CLA	C3B-C4B-NB	-2.55	108.25	110.53
14	n	505	CLA	C3B-C4B-NB	-2.55	108.25	110.53
20	d	822	SQD	C44-O6-C1	2.55	119.27	113.80
17	bA	4003	BCR	C33-C5-C4	2.55	119.04	113.60
17	aA	4007	BCR	C33-C5-C4	2.55	119.03	113.60
17	c	522	BCR	C38-C26-C27	2.55	119.03	113.60
17	aF	4014	BCR	C28-C27-C26	-2.55	109.51	114.06
14	a	508	CLA	C3B-C4B-NB	-2.55	108.25	110.53
14	m	502	CLA	C3B-C4B-NB	-2.55	108.25	110.53
14	aB	1023	CLA	CHB-C4A-NA	2.55	128.08	124.40
14	m	511	CLA	CHB-C4A-NA	2.55	128.08	124.40
20	h	822	SQD	O5-C5-C4	2.55	114.30	109.70
17	b3	523	BCR	C8-C7-C6	-2.55	120.19	127.00
14	bB	1227	CLA	C3B-C4B-NB	-2.55	108.25	110.53
20	a1	822	SQD	O48-C23-C24	2.55	119.61	111.83
17	aA	4011	BCR	C20-C19-C18	-2.55	119.37	126.36
14	c	517	CLA	CHB-C4A-NA	2.55	128.08	124.40
14	a2	506	CLA	C3B-C4B-NB	-2.55	108.25	110.53
14	b1	502	CLA	C3B-C4B-NB	-2.55	108.25	110.53
14	n	501	CLA	C3B-C4B-NB	-2.55	108.25	110.53
14	cA	1123	CLA	CHB-C4A-NA	2.55	128.08	124.40
14	X	508	CLA	C3B-C4B-NB	-2.55	108.26	110.53
14	h	519	CLA	C3B-C4B-NB	-2.55	108.26	110.53
20	f	822	SQD	O5-C5-C4	2.55	114.29	109.70
17	e	522	BCR	C33-C5-C4	2.55	119.03	113.60
17	U	523	BCR	C28-C27-C26	-2.55	109.52	114.06
17	aF	4016	BCR	C23-C24-C25	-2.55	120.20	127.00
14	Z	502	CLA	C3B-C4B-NB	-2.55	108.26	110.53
14	bA	1111	CLA	CHB-C4A-NA	2.55	128.07	124.40
14	cB	1207	CLA	CHB-C4A-NA	2.55	128.07	124.40
14	c	509	CLA	CHB-C4A-NA	2.55	128.07	124.40
17	X	523	BCR	C15-C16-C17	-2.55	118.31	123.52
14	bB	1213	CLA	C1-C2-C3	-2.55	122.03	126.20
14	U	504	CLA	C3B-C4B-NB	-2.55	108.26	110.53
14	j	510	CLA	C3B-C4B-NB	-2.55	108.26	110.53
17	a5	523	BCR	C28-C27-C26	-2.54	109.52	114.06
17	c1	523	BCR	C8-C7-C6	-2.54	120.20	127.00
14	Z	504	CLA	CHB-C4A-NA	2.54	128.07	124.40
14	q	508	CLA	CHB-C4A-NA	2.54	128.07	124.40
14	c2	509	CLA	CHB-C4A-NA	2.54	128.07	124.40
14	a2	516	CLA	C3B-C4B-NB	-2.54	108.26	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a4	513	CLA	C3B-C4B-NB	-2.54	108.26	110.53
14	b5	504	CLA	C3B-C4B-NB	-2.54	108.26	110.53
14	cA	1123	CLA	C3B-C4B-NB	-2.54	108.26	110.53
14	c3	516	CLA	CHB-C4A-NA	2.54	128.07	124.40
14	j	513	CLA	C1-C2-C3	-2.54	122.65	126.76
17	c6	522	BCR	C33-C5-C4	2.54	119.02	113.60
14	aB	1221	CLA	C3B-C4B-NB	-2.54	108.26	110.53
17	bA	4007	BCR	C38-C26-C27	2.54	119.01	113.60
17	b1	524	BCR	C28-C27-C26	-2.54	109.53	114.06
14	b5	504	CLA	CHB-C4A-NA	2.54	128.06	124.40
14	cB	1201	CLA	CHB-C4A-NA	2.54	128.06	124.40
14	T	503	CLA	CHB-C4A-NA	2.54	128.06	124.40
17	cJ	4012	BCR	C33-C5-C6	-2.54	121.71	124.48
14	b1	508	CLA	C3B-C4B-NB	-2.54	108.26	110.53
14	o	513	CLA	C3B-C4B-NB	-2.54	108.26	110.53
14	p	513	CLA	CHB-C4A-NA	2.54	128.06	124.40
20	b1	822	SQD	C44-O6-C1	2.54	119.24	113.80
14	cA	1104	CLA	C3B-C4B-NB	-2.54	108.26	110.53
14	h	509	CLA	CHB-C4A-NA	2.54	128.06	124.40
14	m	503	CLA	CHB-C4A-NA	2.54	128.06	124.40
14	a4	507	CLA	CHB-C4A-NA	2.54	128.06	124.40
14	a3	508	CLA	C3B-C4B-NB	-2.54	108.27	110.53
14	a	510	CLA	C3B-C4B-NB	-2.54	108.27	110.53
14	a	519	CLA	C3B-C4B-NB	-2.54	108.27	110.53
20	S	822	SQD	O5-C5-C4	2.54	114.27	109.70
17	g	522	BCR	C15-C16-C17	-2.54	118.33	123.52
17	b6	522	BCR	C38-C26-C27	2.54	119.00	113.60
14	aA	1111	CLA	CHB-C4A-NA	2.54	128.06	124.40
14	c6	504	CLA	CHB-C4A-NA	2.54	128.06	124.40
14	U	503	CLA	CHB-C4A-NA	2.54	128.06	124.40
14	i	509	CLA	CHB-C4A-NA	2.54	128.06	124.40
17	b1	522	BCR	C33-C5-C4	2.54	119.00	113.60
17	aA	4007	BCR	C8-C7-C6	-2.54	120.22	127.00
14	b5	507	CLA	CHB-C4A-NA	2.54	128.06	124.40
14	a3	510	CLA	C3B-C4B-NB	-2.54	108.27	110.53
14	U	513	CLA	C3B-C4B-NB	-2.54	108.27	110.53
14	Z	513	CLA	C3B-C4B-NB	-2.54	108.27	110.53
14	m	509	CLA	C3B-C4B-NB	-2.54	108.27	110.53
17	bI	4020	BCR	C33-C5-C4	2.54	119.00	113.60
14	b	512	CLA	C1-C2-C3	-2.54	122.66	126.76
14	b	518	CLA	C1-C2-C3	-2.54	122.66	126.76
14	aB	1230	CLA	C3B-C4B-NB	-2.54	108.27	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	k	509	CLA	CHB-C4A-NA	2.53	128.06	124.40
14	n	509	CLA	CHB-C4A-NA	2.53	128.06	124.40
17	c3	522	BCR	C33-C5-C4	2.53	119.00	113.60
14	aA	1132	CLA	CHB-C4A-NA	2.53	128.06	124.40
14	cA	1101	CLA	CHB-C4A-NA	2.53	128.06	124.40
14	T	506	CLA	C3B-C4B-NB	-2.53	108.27	110.53
20	bB	1852	SQD	O6-C1-C2	2.53	112.12	108.27
14	b2	505	CLA	C1-C2-C3	-2.53	122.05	126.20
14	l	509	CLA	CHB-C4A-NA	2.53	128.06	124.40
14	p	503	CLA	CHB-C4A-NA	2.53	128.06	124.40
14	aB	1209	CLA	CHB-C4A-NA	2.53	128.05	124.40
14	a4	510	CLA	O2D-CGD-O1D	-2.53	118.92	123.85
17	aI	4019	BCR	C28-C27-C26	-2.53	109.54	114.06
14	g	503	CLA	C3B-C4B-NB	-2.53	108.27	110.53
21	bJ	5104	LMG	O6-C1-O1	-2.53	104.06	110.04
14	b4	501	CLA	CHB-C4A-NA	2.53	128.05	124.40
14	g	503	CLA	CHB-C4A-NA	2.53	128.05	124.40
17	c4	522	BCR	C38-C26-C27	2.53	118.99	113.60
14	T	509	CLA	CHB-C4A-NA	2.53	128.05	124.40
14	U	509	CLA	CHB-C4A-NA	2.53	128.05	124.40
14	a4	502	CLA	C3B-C4B-NB	-2.53	108.27	110.53
14	b6	516	CLA	C3B-C4B-NB	-2.53	108.27	110.53
14	b5	509	CLA	CHB-C4A-NA	2.53	128.05	124.40
14	k	502	CLA	CHB-C4A-NA	2.53	128.05	124.40
17	X	522	BCR	C33-C5-C4	2.53	118.99	113.60
14	T	513	CLA	C1-C2-C3	-2.53	122.67	126.76
17	p	523	BCR	C28-C27-C26	-2.53	109.55	114.06
14	Z	506	CLA	C3B-C4B-NB	-2.53	108.27	110.53
14	c4	510	CLA	C1-C2-C3	-2.53	122.05	126.20
14	aL	1501	CLA	CHB-C4A-NA	2.53	128.05	124.40
14	a6	507	CLA	CHB-C4A-NA	2.53	128.05	124.40
17	c1	524	BCR	C28-C27-C26	-2.53	109.55	114.06
14	S	513	CLA	C3B-C4B-NB	-2.53	108.27	110.53
14	i	508	CLA	C3B-C4B-NB	-2.53	108.27	110.53
17	m	523	BCR	C15-C16-C17	-2.53	118.35	123.52
14	e	502	CLA	CHB-C4A-NA	2.53	128.05	124.40
14	b6	509	CLA	CHB-C4A-NA	2.53	128.05	124.40
14	c4	509	CLA	CHB-C4A-NA	2.53	128.05	124.40
17	aA	4003	BCR	C33-C5-C4	2.53	118.98	113.60
14	U	505	CLA	C1-C2-C3	-2.53	122.06	126.20
14	n	511	CLA	CHB-C4A-NA	2.53	128.05	124.40
17	aB	4005	BCR	C33-C5-C4	2.53	118.98	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	c1	507	CLA	C3B-C4B-NB	-2.53	108.28	110.53
14	e	519	CLA	C3B-C4B-NB	-2.53	108.28	110.53
14	aA	1135	CLA	CHB-C4A-NA	2.53	128.04	124.40
14	cL	1502	CLA	CHB-C4A-NA	2.53	128.04	124.40
14	W	509	CLA	CHB-C4A-NA	2.53	128.04	124.40
17	cB	4017	BCR	C38-C26-C25	-2.53	121.73	124.48
20	aB	1852	SQD	O9-S-C6	2.53	110.53	106.76
17	a2	522	BCR	C16-C17-C18	-2.53	123.74	127.28
17	l	523	BCR	C8-C7-C6	-2.53	120.25	127.00
14	T	502	CLA	CHB-C4A-NA	2.53	128.04	124.40
14	bA	1103	CLA	C3B-C4B-NB	-2.52	108.28	110.53
14	X	510	CLA	C3B-C4B-NB	-2.52	108.28	110.53
14	c2	507	CLA	CHB-C4A-NA	2.52	128.04	124.40
14	j	518	CLA	CHB-C4A-NA	2.52	128.04	124.40
14	m	503	CLA	C3B-C4B-NB	-2.52	108.28	110.53
14	o	510	CLA	C3B-C4B-NB	-2.52	108.28	110.53
14	a4	509	CLA	CHB-C4A-NA	2.52	128.04	124.40
14	a4	518	CLA	CHB-C4A-NA	2.52	128.04	124.40
14	Z	509	CLA	CHB-C4A-NA	2.52	128.04	124.40
17	aA	4003	BCR	C38-C26-C27	2.52	118.98	113.60
20	c	822	SQD	C44-O6-C1	2.52	119.20	113.80
20	c	822	SQD	O5-C5-C4	2.52	114.25	109.70
14	V	513	CLA	C3B-C4B-NB	-2.52	108.28	110.53
14	V	518	CLA	C3B-C4B-NB	-2.52	108.28	110.53
17	c	522	BCR	C15-C16-C17	-2.52	118.36	123.52
20	c3	822	SQD	C44-O6-C1	2.52	119.20	113.80
14	aA	1118	CLA	CHB-C4A-NA	2.52	128.04	124.40
14	a	509	CLA	CHB-C4A-NA	2.52	128.04	124.40
14	h	503	CLA	CHB-C4A-NA	2.52	128.04	124.40
17	aA	4002	BCR	C3-C4-C5	-2.52	109.56	114.06
17	bI	4019	BCR	C28-C27-C26	-2.52	109.56	114.06
14	d	509	CLA	CHB-C4A-NA	2.52	128.04	124.40
14	a1	513	CLA	C3B-C4B-NB	-2.52	108.28	110.53
14	b2	507	CLA	C3B-C4B-NB	-2.52	108.28	110.53
14	c3	507	CLA	C3B-C4B-NB	-2.52	108.28	110.53
14	aJ	1302	CLA	CHB-C4A-NA	2.52	128.04	124.40
14	a3	509	CLA	CHB-C4A-NA	2.52	128.04	124.40
14	m	509	CLA	CHB-C4A-NA	2.52	128.04	124.40
20	b1	822	SQD	O5-C5-C4	2.52	114.24	109.70
17	V	522	BCR	C38-C26-C27	2.52	118.97	113.60
20	h	822	SQD	O48-C23-C24	2.52	119.52	111.83
14	e	511	CLA	C3B-C4B-NB	-2.52	108.28	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	cA	4003	BCR	C33-C5-C4	2.52	118.97	113.60
17	c	523	BCR	C3-C4-C5	-2.52	109.56	114.06
17	m	523	BCR	C33-C5-C4	2.52	118.97	113.60
17	b	522	BCR	C23-C24-C25	-2.52	120.27	127.00
14	a2	505	CLA	C3B-C4B-NB	-2.52	108.28	110.53
14	b2	510	CLA	C3B-C4B-NB	-2.52	108.28	110.53
14	W	504	CLA	CHB-C4A-NA	2.52	128.03	124.40
17	c2	522	BCR	C38-C26-C27	2.52	118.96	113.60
17	n	523	BCR	C3-C4-C5	-2.52	109.57	114.06
14	p	510	CLA	C3B-C4B-NB	-2.52	108.28	110.53
18	aA	5005	LHG	C11-C10-C9	-2.52	101.64	114.37
17	bK	4001	BCR	C21-C20-C19	-2.52	115.91	123.20
14	b3	509	CLA	CHB-C4A-NA	2.52	128.03	124.40
14	b3	517	CLA	CHB-C4A-NA	2.52	128.03	124.40
14	cB	1023	CLA	CHB-C4A-NA	2.52	128.03	124.40
14	cL	1501	CLA	CHB-C4A-NA	2.52	128.03	124.40
14	aL	1502	CLA	CHB-C4A-NA	2.52	128.03	124.40
14	X	503	CLA	CHB-C4A-NA	2.52	128.03	124.40
14	e	517	CLA	CHB-C4A-NA	2.52	128.03	124.40
14	c5	502	CLA	C3B-C4B-NB	-2.52	108.28	110.53
14	V	502	CLA	C3B-C4B-NB	-2.52	108.28	110.53
17	d	523	BCR	C15-C16-C17	-2.52	118.37	123.52
14	S	509	CLA	CHB-C4A-NA	2.52	128.03	124.40
14	f	503	CLA	CHB-C4A-NA	2.52	128.03	124.40
14	bB	1229	CLA	C1-C2-C3	-2.52	122.08	126.20
14	a5	508	CLA	C3B-C4B-NB	-2.51	108.28	110.53
20	b	822	SQD	C44-O6-C1	2.51	119.19	113.80
17	bJ	4012	BCR	C33-C5-C6	-2.51	121.74	124.48
14	a1	517	CLA	CHB-C4A-NA	2.51	128.03	124.40
14	bL	1501	CLA	CHB-C4A-NA	2.51	128.03	124.40
17	a4	522	BCR	C33-C5-C4	2.51	118.96	113.60
14	cA	1130	CLA	C3B-C4B-NB	-2.51	108.29	110.53
17	c4	522	BCR	C33-C5-C4	2.51	118.95	113.60
17	n	522	BCR	C38-C26-C27	2.51	118.95	113.60
14	a4	516	CLA	CHB-C4A-NA	2.51	128.03	124.40
14	b6	501	CLA	CHB-C4A-NA	2.51	128.03	124.40
17	a6	523	BCR	C3-C4-C5	-2.51	109.57	114.06
20	i	822	SQD	O6-C1-C2	2.51	112.09	108.27
14	a1	507	CLA	CHB-C4A-NA	2.51	128.03	124.40
17	p	522	BCR	C33-C5-C4	2.51	118.95	113.60
17	b4	524	BCR	C8-C7-C6	-2.51	120.29	127.00
14	aB	1211	CLA	CHB-C4A-NA	2.51	128.03	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	c6	503	CLA	CHB-C4A-NA	2.51	128.03	124.40
14	W	507	CLA	CHB-C4A-NA	2.51	128.03	124.40
14	bB	1233	CLA	C3B-C4B-NB	-2.51	108.29	110.53
20	c4	822	SQD	O6-C1-C2	2.51	112.09	108.27
14	cA	1103	CLA	CHB-C4A-NA	2.51	128.02	124.40
17	Y	522	BCR	C33-C5-C4	2.51	118.95	113.60
17	S	523	BCR	C28-C27-C26	-2.51	109.58	114.06
17	b3	522	BCR	C33-C5-C4	2.51	118.95	113.60
14	bA	1106	CLA	CHB-C4A-NA	2.51	128.02	124.40
14	cB	1218	CLA	CHB-C4A-NA	2.51	128.02	124.40
14	cA	1117	CLA	C3B-C4B-NB	-2.51	108.29	110.53
15	cA	2001	PQN	C2M-C2-C3	-2.51	120.32	124.45
17	o	522	BCR	C38-C26-C27	2.51	118.95	113.60
14	aB	1201	CLA	CHB-C4A-NA	2.51	128.02	124.40
14	aB	1212	CLA	CHB-C4A-NA	2.51	128.02	124.40
14	c2	503	CLA	CHB-C4A-NA	2.51	128.02	124.40
14	Y	503	CLA	CHB-C4A-NA	2.51	128.02	124.40
14	l	507	CLA	CHB-C4A-NA	2.51	128.02	124.40
14	b4	507	CLA	C3B-C4B-NB	-2.51	108.29	110.53
14	h	508	CLA	C3B-C4B-NB	-2.51	108.29	110.53
14	l	505	CLA	C3B-C4B-NB	-2.51	108.29	110.53
14	e	505	CLA	C1-C2-C3	-2.51	122.09	126.20
14	h	513	CLA	C1-C2-C3	-2.51	122.70	126.76
14	b1	503	CLA	CHB-C4A-NA	2.51	128.02	124.40
14	c4	502	CLA	CHB-C4A-NA	2.51	128.02	124.40
14	c	502	CLA	CHB-C4A-NA	2.51	128.02	124.40
17	bF	4015	BCR	C33-C5-C4	2.51	118.94	113.60
14	aL	1501	CLA	C3B-C4B-NB	-2.51	108.29	110.53
14	c	516	CLA	C3B-C4B-NB	-2.51	108.29	110.53
14	m	508	CLA	C3B-C4B-NB	-2.51	108.29	110.53
17	a5	523	BCR	C23-C24-C25	-2.51	120.30	127.00
14	aB	1218	CLA	CHB-C4A-NA	2.51	128.02	124.40
14	bB	1201	CLA	CHB-C4A-NA	2.51	128.02	124.40
14	q	503	CLA	CHB-C4A-NA	2.51	128.02	124.40
17	a1	522	BCR	C11-C12-C13	-2.51	119.49	126.36
20	Y	822	SQD	O8-S-C6	2.51	110.81	105.97
14	c5	508	CLA	CHB-C4A-NA	2.51	128.02	124.40
14	b	509	CLA	CHB-C4A-NA	2.51	128.02	124.40
14	g	502	CLA	C3B-C4B-NB	-2.51	108.29	110.53
17	bF	4016	BCR	C15-C16-C17	-2.51	118.39	123.52
17	bJ	4012	BCR	C23-C24-C25	-2.51	120.30	127.00
14	cA	1102	CLA	CHB-C4A-NA	2.51	128.02	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Y	511	CLA	CHB-C4A-NA	2.51	128.02	124.40
14	l	517	CLA	CAA-CBA-CGA	-2.51	105.81	112.49
17	b1	523	BCR	C28-C27-C26	-2.51	109.59	114.06
17	b	524	BCR	C4-C5-C6	-2.51	119.32	122.70
14	a	503	CLA	CHB-C4A-NA	2.51	128.02	124.40
17	b5	524	BCR	C8-C7-C6	-2.51	120.31	127.00
17	d	524	BCR	C4-C5-C6	-2.51	119.32	122.70
14	aA	1117	CLA	C3B-C4B-NB	-2.50	108.29	110.53
14	aB	1224	CLA	C3B-C4B-NB	-2.50	108.29	110.53
14	b6	502	CLA	C3B-C4B-NB	-2.50	108.29	110.53
14	a1	509	CLA	CHB-C4A-NA	2.50	128.01	124.40
14	cB	1226	CLA	C3B-C4B-NB	-2.50	108.30	110.53
14	Y	513	CLA	C3B-C4B-NB	-2.50	108.30	110.53
14	g	505	CLA	C3B-C4B-NB	-2.50	108.30	110.53
14	b2	505	CLA	C3B-C4B-NB	-2.50	108.30	110.53
14	a1	502	CLA	CHB-C4A-NA	2.50	128.01	124.40
14	bB	1223	CLA	CHB-C4A-NA	2.50	128.01	124.40
14	c5	518	CLA	CHB-C4A-NA	2.50	128.01	124.40
14	k	512	CLA	CHB-C4A-NA	2.50	128.01	124.40
17	aA	4008	BCR	C27-C26-C25	-2.50	119.32	122.70
17	a4	523	BCR	C33-C5-C6	-2.50	121.75	124.48
14	b1	505	CLA	C1-C2-C3	-2.50	122.10	126.20
14	aA	1137	CLA	CHB-C4A-NA	2.50	128.01	124.40
14	a6	509	CLA	CHB-C4A-NA	2.50	128.01	124.40
14	bA	1137	CLA	CHB-C4A-NA	2.50	128.01	124.40
14	cA	1134	CLA	CHB-C4A-NA	2.50	128.01	124.40
14	e	508	CLA	CHB-C4A-NA	2.50	128.01	124.40
14	e	507	CLA	C1-C2-C3	-2.50	122.72	126.76
14	l	504	CLA	C3B-C4B-NB	-2.50	108.30	110.53
17	a5	522	BCR	C11-C12-C13	-2.50	119.50	126.36
17	bA	4007	BCR	C8-C7-C6	-2.50	120.32	127.00
14	bB	1213	CLA	CHB-C4A-NA	2.50	128.01	124.40
20	b6	822	SQD	C44-O6-C1	2.50	119.16	113.80
17	d	523	BCR	C28-C27-C26	-2.50	109.60	114.06
17	aI	4020	BCR	C33-C5-C4	2.50	118.93	113.60
14	bA	1103	CLA	CHB-C4A-NA	2.50	128.01	124.40
14	c3	507	CLA	CHB-C4A-NA	2.50	128.01	124.40
14	e	507	CLA	CHB-C4A-NA	2.50	128.01	124.40
17	a	522	BCR	C33-C5-C4	2.50	118.93	113.60
17	b	522	BCR	C8-C7-C6	-2.50	120.32	127.00
17	g	523	BCR	C8-C7-C6	-2.50	120.32	127.00
14	bA	1132	CLA	CHB-C4A-NA	2.50	128.01	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	bB	1209	CLA	CHB-C4A-NA	2.50	128.01	124.40
14	g	508	CLA	CHB-C4A-NA	2.50	128.01	124.40
14	g	509	CLA	CHB-C4A-NA	2.50	128.01	124.40
14	m	519	CLA	CHB-C4A-NA	2.50	128.01	124.40
14	p	509	CLA	CHB-C4A-NA	2.50	128.01	124.40
17	aF	4016	BCR	C15-C16-C17	-2.50	118.41	123.52
14	d	516	CLA	C3B-C4B-NB	-2.50	108.30	110.53
14	a5	518	CLA	CHB-C4A-NA	2.50	128.01	124.40
14	cA	1137	CLA	CHB-C4A-NA	2.50	128.01	124.40
17	cA	4011	BCR	C20-C19-C18	-2.50	119.51	126.36
14	cB	1224	CLA	C3B-C4B-NB	-2.50	108.30	110.53
14	g	506	CLA	C3B-C4B-NB	-2.50	108.30	110.53
14	m	513	CLA	C3B-C4B-NB	-2.50	108.30	110.53
14	k	507	CLA	CHB-C4A-NA	2.50	128.00	124.40
14	n	502	CLA	CHB-C4A-NA	2.50	128.00	124.40
17	aJ	4012	BCR	C23-C24-C25	-2.50	120.33	127.00
14	a1	504	CLA	CHB-C4A-NA	2.50	128.00	124.40
14	a3	517	CLA	CHB-C4A-NA	2.50	128.00	124.40
14	bB	1210	CLA	CHB-C4A-NA	2.50	128.00	124.40
14	cB	1212	CLA	CHB-C4A-NA	2.50	128.00	124.40
17	aF	4014	BCR	C11-C10-C9	-2.50	123.78	127.28
14	c5	507	CLA	C3B-C4B-NB	-2.50	108.30	110.53
14	aA	1104	CLA	C1-C2-C3	-2.50	122.11	126.20
14	aB	1223	CLA	CHB-C4A-NA	2.50	128.00	124.40
14	q	509	CLA	CHB-C4A-NA	2.50	128.00	124.40
14	bA	1106	CLA	C1-C2-C3	-2.50	122.11	126.20
14	b2	507	CLA	CHB-C4A-NA	2.50	128.00	124.40
14	b5	513	CLA	CHB-C4A-NA	2.50	128.00	124.40
14	c5	503	CLA	CHB-C4A-NA	2.50	128.00	124.40
17	aJ	4013	BCR	C7-C8-C9	-2.49	122.54	126.23
14	a	505	CLA	C3B-C4B-NB	-2.49	108.30	110.53
17	a6	522	BCR	C38-C26-C27	2.49	118.92	113.60
17	l	522	BCR	C33-C5-C4	2.49	118.92	113.60
14	cA	1132	CLA	CHB-C4A-NA	2.49	128.00	124.40
14	Y	507	CLA	CHB-C4A-NA	2.49	128.00	124.40
20	b6	822	SQD	O5-C5-C4	2.49	114.19	109.70
17	cI	4018	BCR	C11-C12-C13	-2.49	119.52	126.36
14	c4	504	CLA	CHB-C4A-NA	2.49	128.00	124.40
14	c5	504	CLA	CHB-C4A-NA	2.49	128.00	124.40
14	U	502	CLA	C3B-C4B-NB	-2.49	108.30	110.53
14	p	503	CLA	C3B-C4B-NB	-2.49	108.30	110.53
17	d	522	BCR	C33-C5-C4	2.49	118.91	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	bA	1135	CLA	CHB-C4A-NA	2.49	128.00	124.40
14	b2	509	CLA	CHB-C4A-NA	2.49	128.00	124.40
14	c5	509	CLA	CHB-C4A-NA	2.49	128.00	124.40
14	Z	507	CLA	CHB-C4A-NA	2.49	128.00	124.40
17	T	524	BCR	C11-C12-C13	-2.49	119.53	126.36
14	a1	519	CLA	CHB-C4A-NA	2.49	128.00	124.40
14	a3	507	CLA	CHB-C4A-NA	2.49	128.00	124.40
14	cA	1111	CLA	CHB-C4A-NA	2.49	128.00	124.40
14	cB	1205	CLA	CHB-C4A-NA	2.49	128.00	124.40
14	cB	1219	CLA	CHB-C4A-NA	2.49	128.00	124.40
14	c3	518	CLA	CHB-C4A-NA	2.49	128.00	124.40
14	T	507	CLA	C3B-C4B-NB	-2.49	108.31	110.53
14	a	502	CLA	C3B-C4B-NB	-2.49	108.31	110.53
14	o	502	CLA	C3B-C4B-NB	-2.49	108.31	110.53
17	U	522	BCR	C33-C5-C4	2.49	118.91	113.60
14	b2	518	CLA	CHB-C4A-NA	2.49	128.00	124.40
14	cA	1106	CLA	CHB-C4A-NA	2.49	128.00	124.40
14	T	508	CLA	CHB-C4A-NA	2.49	128.00	124.40
14	V	518	CLA	CHB-C4A-NA	2.49	128.00	124.40
14	c	516	CLA	CHB-C4A-NA	2.49	128.00	124.40
14	g	501	CLA	CHB-C4A-NA	2.49	128.00	124.40
14	a1	508	CLA	C3B-C4B-NB	-2.49	108.31	110.53
14	a3	502	CLA	C3B-C4B-NB	-2.49	108.31	110.53
14	b2	503	CLA	CHB-C4A-NA	2.49	128.00	124.40
14	b2	516	CLA	CHB-C4A-NA	2.49	128.00	124.40
14	cB	1214	CLA	CHB-C4A-NA	2.49	128.00	124.40
14	c4	507	CLA	CHB-C4A-NA	2.49	128.00	124.40
14	c	503	CLA	CHB-C4A-NA	2.49	128.00	124.40
14	f	507	CLA	CHB-C4A-NA	2.49	128.00	124.40
14	q	518	CLA	CHB-C4A-NA	2.49	128.00	124.40
17	S	522	BCR	C23-C24-C25	-2.49	120.34	127.00
14	U	512	CLA	C3B-C4B-NB	-2.49	108.31	110.53
14	V	516	CLA	C3B-C4B-NB	-2.49	108.31	110.53
17	c6	522	BCR	C38-C26-C27	2.49	118.91	113.60
14	bA	1101	CLA	CHB-C4A-NA	2.49	127.99	124.40
14	c5	517	CLA	CHB-C4A-NA	2.49	127.99	124.40
14	l	503	CLA	CHB-C4A-NA	2.49	127.99	124.40
17	j	524	BCR	C15-C16-C17	-2.49	118.42	123.52
17	bI	4020	BCR	C7-C8-C9	-2.49	122.55	126.23
17	c5	524	BCR	C28-C27-C26	-2.49	109.62	114.06
14	W	503	CLA	C3B-C4B-NB	-2.49	108.31	110.53
14	b	513	CLA	C3B-C4B-NB	-2.49	108.31	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a2	507	CLA	CHB-C4A-NA	2.49	127.99	124.40
14	c1	503	CLA	CHB-C4A-NA	2.49	127.99	124.40
14	b4	518	CLA	CHB-C4A-NA	2.49	127.99	124.40
14	cX	1401	CLA	CHB-C4A-NA	2.49	127.99	124.40
14	c3	509	CLA	CHB-C4A-NA	2.49	127.99	124.40
14	c5	507	CLA	CHB-C4A-NA	2.49	127.99	124.40
14	T	517	CLA	CHB-C4A-NA	2.49	127.99	124.40
14	h	502	CLA	CHB-C4A-NA	2.49	127.99	124.40
14	i	506	CLA	C3B-C4B-NB	-2.49	108.31	110.53
14	a4	501	CLA	CHB-C4A-NA	2.49	127.99	124.40
14	a6	502	CLA	CHB-C4A-NA	2.49	127.99	124.40
14	cB	1213	CLA	CHB-C4A-NA	2.49	127.99	124.40
14	b	502	CLA	CHB-C4A-NA	2.49	127.99	124.40
14	o	509	CLA	CHB-C4A-NA	2.49	127.99	124.40
14	aL	1501	CLA	C1-C2-C3	-2.49	122.12	126.20
17	n	522	BCR	C23-C24-C25	-2.49	120.35	127.00
17	aA	4002	BCR	C16-C15-C14	-2.49	118.43	123.52
14	V	504	CLA	CHB-C4A-NA	2.49	127.99	124.40
14	n	503	CLA	CHB-C4A-NA	2.49	127.99	124.40
14	a1	511	CLA	C3B-C4B-NB	-2.49	108.31	110.53
14	cA	1113	CLA	CHB-C4A-NA	2.49	127.99	124.40
14	c1	519	CLA	CHB-C4A-NA	2.49	127.99	124.40
17	a1	522	BCR	C33-C5-C4	2.49	118.90	113.60
17	T	522	BCR	C33-C5-C4	2.49	118.90	113.60
14	U	516	CLA	CAC-C3C-C4C	2.49	128.02	124.79
14	b3	506	CLA	C3B-C4B-NB	-2.49	108.31	110.53
14	cA	1801	CLA	C3B-C4B-NB	-2.49	108.31	110.53
14	c3	502	CLA	C3B-C4B-NB	-2.49	108.31	110.53
14	d	506	CLA	C3B-C4B-NB	-2.49	108.31	110.53
14	aA	1106	CLA	CHB-C4A-NA	2.49	127.99	124.40
14	cB	1210	CLA	CHB-C4A-NA	2.49	127.99	124.40
14	a	502	CLA	CHB-C4A-NA	2.49	127.99	124.40
14	j	508	CLA	CHB-C4A-NA	2.49	127.99	124.40
17	W	523	BCR	C33-C5-C6	-2.49	121.77	124.48
17	c1	521	BCR	C38-C26-C27	2.49	118.89	113.60
17	Z	522	BCR	C23-C24-C25	-2.48	120.36	127.00
14	b6	519	CLA	CHB-C4A-NA	2.48	127.99	124.40
14	i	507	CLA	CHB-C4A-NA	2.48	127.99	124.40
14	k	519	CLA	CHB-C4A-NA	2.48	127.99	124.40
14	a6	516	CLA	C3B-C4B-NB	-2.48	108.31	110.53
14	V	510	CLA	C3B-C4B-NB	-2.48	108.31	110.53
17	aB	4017	BCR	C8-C7-C6	-2.48	120.36	127.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	X	507	CLA	CHB-C4A-NA	2.48	127.98	124.40
17	c6	523	BCR	C33-C5-C4	2.48	118.89	113.60
14	aB	1217	CLA	CHB-C4A-NA	2.48	127.98	124.40
14	c	504	CLA	CHB-C4A-NA	2.48	127.98	124.40
14	o	504	CLA	CHB-C4A-NA	2.48	127.98	124.40
14	b6	513	CLA	C3B-C4B-NB	-2.48	108.31	110.53
14	W	516	CLA	C3B-C4B-NB	-2.48	108.31	110.53
17	cA	4007	BCR	C3-C4-C5	-2.48	109.63	114.06
18	cX	4021	LHG	O8-C23-C24	2.48	119.41	111.83
17	m	524	BCR	C8-C7-C6	-2.48	120.36	127.00
14	bA	1134	CLA	CHB-C4A-NA	2.48	127.98	124.40
14	b4	502	CLA	CHB-C4A-NA	2.48	127.98	124.40
14	c1	509	CLA	CHB-C4A-NA	2.48	127.98	124.40
14	X	502	CLA	CHB-C4A-NA	2.48	127.98	124.40
17	b4	522	BCR	C15-C16-C17	-2.48	118.44	123.52
14	b3	507	CLA	C3B-C4B-NB	-2.48	108.31	110.53
14	a	511	CLA	C3B-C4B-NB	-2.48	108.31	110.53
14	k	503	CLA	CHB-C4A-NA	2.48	127.98	124.40
17	e	521	BCR	C38-C26-C27	2.48	118.89	113.60
17	h	522	BCR	C38-C26-C27	2.48	118.89	113.60
17	cI	4020	BCR	C33-C5-C4	2.48	118.89	113.60
17	e	524	BCR	C8-C7-C6	-2.48	120.37	127.00
20	a2	822	SQD	O48-C23-C24	2.48	119.40	111.83
14	c3	503	CLA	CHB-C4A-NA	2.48	127.98	124.40
14	Y	509	CLA	C3B-C4B-NB	-2.48	108.31	110.53
14	c5	518	CLA	C1-C2-C3	-2.48	122.13	126.20
14	aB	1213	CLA	CHB-C4A-NA	2.48	127.98	124.40
14	aB	1214	CLA	CHB-C4A-NA	2.48	127.98	124.40
14	a5	516	CLA	CHB-C4A-NA	2.48	127.98	124.40
17	b	524	BCR	C28-C27-C26	-2.48	109.63	114.06
14	bA	1120	CLA	O2A-CGA-O1A	-2.48	117.42	123.63
17	aB	4017	BCR	C29-C30-C25	2.48	114.04	110.44
14	aA	1113	CLA	CHB-C4A-NA	2.48	127.98	124.40
14	b	504	CLA	C1-C2-C3	-2.48	122.75	126.76
14	a2	503	CLA	CHB-C4A-NA	2.48	127.98	124.40
14	S	504	CLA	CHB-C4A-NA	2.48	127.98	124.40
14	b	511	CLA	CHB-C4A-NA	2.48	127.98	124.40
14	d	503	CLA	CHB-C4A-NA	2.48	127.98	124.40
17	a5	524	BCR	C8-C7-C6	-2.48	120.38	127.00
17	e	521	BCR	C20-C19-C18	-2.48	119.56	126.36
14	a3	513	CLA	C1-C2-C3	-2.48	122.75	126.76
17	k	523	BCR	C38-C26-C25	-2.48	121.78	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	bA	1123	CLA	C3B-C4B-NB	-2.48	108.32	110.53
14	a5	509	CLA	CHB-C4A-NA	2.48	127.98	124.40
14	bA	1118	CLA	CHB-C4A-NA	2.48	127.98	124.40
14	j	519	CLA	CHB-C4A-NA	2.48	127.98	124.40
14	cA	1106	CLA	C1-C2-C3	-2.48	122.14	126.20
14	aA	1103	CLA	CHB-C4A-NA	2.48	127.98	124.40
14	b3	507	CLA	CHB-C4A-NA	2.48	127.98	124.40
14	o	506	CLA	CHB-C4A-NA	2.48	127.98	124.40
14	cB	1228	CLA	C3B-C4B-NB	-2.48	108.32	110.53
14	b4	505	CLA	C1-C2-C3	-2.48	122.14	126.20
17	a2	522	BCR	C11-C12-C13	-2.48	119.57	126.36
14	aA	1101	CLA	CHB-C4A-NA	2.48	127.97	124.40
14	a5	503	CLA	CHB-C4A-NA	2.48	127.97	124.40
14	aB	1204	CLA	C3B-C4B-NB	-2.48	108.32	110.53
14	c5	508	CLA	C3B-C4B-NB	-2.48	108.32	110.53
14	b	507	CLA	C3B-C4B-NB	-2.48	108.32	110.53
14	cA	1135	CLA	CHB-C4A-NA	2.48	127.97	124.40
14	c4	503	CLA	CHB-C4A-NA	2.48	127.97	124.40
14	X	504	CLA	CHB-C4A-NA	2.48	127.97	124.40
14	cA	1118	CLA	CHB-C4A-NA	2.48	127.97	124.40
14	p	502	CLA	CHB-C4A-NA	2.48	127.97	124.40
14	h	502	CLA	C3B-C4B-NB	-2.48	108.32	110.53
17	c6	522	BCR	C11-C12-C13	-2.48	119.58	126.36
14	c3	513	CLA	C1-C2-C3	-2.48	122.76	126.76
14	c1	507	CLA	CHB-C4A-NA	2.48	127.97	124.40
14	aA	1106	CLA	C1-C2-C3	-2.47	122.14	126.20
14	a6	508	CLA	CHB-C4A-NA	2.47	127.97	124.40
14	bK	1103	CLA	CHB-C4A-NA	2.47	127.97	124.40
14	a	501	CLA	CHB-C4A-NA	2.47	127.97	124.40
14	m	507	CLA	CHB-C4A-NA	2.47	127.97	124.40
17	l	524	BCR	C11-C12-C13	-2.47	119.58	126.36
14	bB	1218	CLA	CHB-C4A-NA	2.47	127.97	124.40
14	Z	518	CLA	CHB-C4A-NA	2.47	127.97	124.40
14	k	508	CLA	CHB-C4A-NA	2.47	127.97	124.40
17	cB	4005	BCR	C33-C5-C4	2.47	118.87	113.60
17	U	522	BCR	C38-C26-C27	2.47	118.87	113.60
18	bX	4021	LHG	C11-C10-C9	-2.47	101.86	114.37
20	bB	1852	SQD	O48-C23-C24	2.47	119.38	111.83
14	cA	1114	CLA	CHB-C4A-NA	2.47	127.97	124.40
14	c1	518	CLA	CHB-C4A-NA	2.47	127.97	124.40
14	o	518	CLA	CHB-C4A-NA	2.47	127.97	124.40
14	b6	503	CLA	CHB-C4A-NA	2.47	127.97	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	Y	510	CLA	CHB-C4A-NA	2.47	127.97	124.40
14	T	518	CLA	C1-C2-C3	-2.47	122.76	126.76
14	g	510	CLA	C3B-C4B-NB	-2.47	108.32	110.53
14	a6	516	CLA	CHB-C4A-NA	2.47	127.97	124.40
14	bA	1133	CLA	CHB-C4A-NA	2.47	127.97	124.40
14	bB	1211	CLA	CHB-C4A-NA	2.47	127.97	124.40
17	a1	524	BCR	C4-C5-C6	-2.47	119.36	122.70
17	cF	4015	BCR	C33-C5-C6	-2.47	121.79	124.48
17	c5	524	BCR	C8-C7-C6	-2.47	120.40	127.00
14	aA	1801	CLA	C3B-C4B-NB	-2.47	108.32	110.53
14	a4	507	CLA	C3B-C4B-NB	-2.47	108.32	110.53
14	a	507	CLA	C3B-C4B-NB	-2.47	108.32	110.53
14	aA	1112	CLA	CHB-C4A-NA	2.47	127.97	124.40
14	a1	518	CLA	CHB-C4A-NA	2.47	127.97	124.40
14	b3	508	CLA	CHB-C4A-NA	2.47	127.97	124.40
14	c4	518	CLA	CHB-C4A-NA	2.47	127.97	124.40
14	f	511	CLA	CHB-C4A-NA	2.47	127.97	124.40
20	c3	822	SQD	O5-C5-C4	2.47	114.15	109.70
14	aA	1119	CLA	CHB-C4A-NA	2.47	127.97	124.40
14	a4	508	CLA	CHB-C4A-NA	2.47	127.97	124.40
14	a5	502	CLA	CHB-C4A-NA	2.47	127.97	124.40
14	b3	504	CLA	CHB-C4A-NA	2.47	127.97	124.40
14	cB	1223	CLA	CHB-C4A-NA	2.47	127.97	124.40
14	b6	506	CLA	C3B-C4B-NB	-2.47	108.33	110.53
17	a6	522	BCR	C33-C5-C4	2.47	118.86	113.60
14	cB	1209	CLA	CHB-C4A-NA	2.47	127.96	124.40
14	c3	502	CLA	CHB-C4A-NA	2.47	127.96	124.40
14	U	518	CLA	CHB-C4A-NA	2.47	127.96	124.40
14	q	504	CLA	CHB-C4A-NA	2.47	127.96	124.40
17	cB	4010	BCR	C33-C5-C4	2.47	118.86	113.60
17	i	523	BCR	C23-C24-C25	-2.47	120.40	127.00
18	aA	5003	LHG	C11-C10-C9	-2.47	101.89	114.37
14	b5	501	CLA	CHB-C4A-NA	2.47	127.96	124.40
14	c1	504	CLA	CHB-C4A-NA	2.47	127.96	124.40
14	V	502	CLA	CHB-C4A-NA	2.47	127.96	124.40
14	V	503	CLA	CHB-C4A-NA	2.47	127.96	124.40
17	c	524	BCR	C38-C26-C27	2.47	118.86	113.60
17	f	521	BCR	C38-C26-C27	2.47	118.86	113.60
14	a	505	CLA	C1-C2-C3	-2.47	122.15	126.20
14	a3	518	CLA	CHB-C4A-NA	2.47	127.96	124.40
14	bL	1502	CLA	CHB-C4A-NA	2.47	127.96	124.40
14	b5	517	CLA	CHB-C4A-NA	2.47	127.96	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	cJ	1302	CLA	CHB-C4A-NA	2.47	127.96	124.40
14	c6	518	CLA	CHB-C4A-NA	2.47	127.96	124.40
14	X	501	CLA	CHB-C4A-NA	2.47	127.96	124.40
14	aA	1011	CLA	O1D-CGD-CBD	2.47	129.39	124.52
14	b5	502	CLA	CHB-C4A-NA	2.47	127.96	124.40
14	p	501	CLA	CHB-C4A-NA	2.47	127.96	124.40
17	q	522	BCR	C38-C26-C27	2.47	118.86	113.60
14	aJ	1303	CLA	C1-C2-C3	-2.47	122.16	126.20
14	b4	507	CLA	CHB-C4A-NA	2.47	127.96	124.40
14	U	508	CLA	CHB-C4A-NA	2.47	127.96	124.40
14	c	512	CLA	CHB-C4A-NA	2.47	127.96	124.40
14	cA	1107	CLA	C3B-C4B-NB	-2.47	108.33	110.53
14	W	513	CLA	C3B-C4B-NB	-2.47	108.33	110.53
14	g	513	CLA	C3B-C4B-NB	-2.47	108.33	110.53
14	f	516	CLA	CBC-CAC-C3C	2.47	119.11	112.42
14	bB	1212	CLA	CHB-C4A-NA	2.47	127.96	124.40
14	d	501	CLA	CHB-C4A-NA	2.47	127.96	124.40
14	n	512	CLA	CHB-C4A-NA	2.47	127.96	124.40
14	q	510	CLA	C3B-C4B-NB	-2.47	108.33	110.53
17	cI	4019	BCR	C28-C27-C26	-2.47	109.66	114.06
14	aB	1219	CLA	CHB-C4A-NA	2.47	127.96	124.40
14	j	507	CLA	CHB-C4A-NA	2.47	127.96	124.40
17	aJ	4013	BCR	C11-C12-C13	-2.47	119.60	126.36
17	aB	4017	BCR	C16-C15-C14	-2.47	118.47	123.52
14	b1	518	CLA	CHB-C4A-NA	2.46	127.96	124.40
14	cB	1221	CLA	CHB-C4A-NA	2.46	127.96	124.40
14	c1	516	CLA	CHB-C4A-NA	2.46	127.96	124.40
14	i	502	CLA	C3B-C4B-NB	-2.46	108.33	110.53
20	b1	822	SQD	O48-C23-C24	2.46	119.35	111.83
14	W	517	CLA	CHB-C4A-NA	2.46	127.96	124.40
14	b2	511	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	b4	503	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	c1	517	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	p	511	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	aA	1011	CLA	C3B-C4B-NB	-2.46	108.33	110.53
14	o	519	CLA	C3B-C4B-NB	-2.46	108.33	110.53
17	k	522	BCR	C33-C5-C4	2.46	118.85	113.60
14	aA	1102	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	a2	518	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	b2	517	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	cB	1234	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	U	502	CLA	CHB-C4A-NA	2.46	127.95	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	W	503	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	l	519	CLA	CHB-C4A-NA	2.46	127.95	124.40
17	m	522	BCR	C38-C26-C27	2.46	118.85	113.60
14	k	513	CLA	C3B-C4B-NB	-2.46	108.33	110.53
14	aB	1213	CLA	C1-C2-C3	-2.46	122.16	126.20
14	U	504	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	W	518	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	X	517	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	aB	1230	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	a5	517	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	Y	502	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	f	508	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	h	511	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	n	513	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	c6	513	CLA	C3B-C4B-NB	-2.46	108.33	110.53
14	S	510	CLA	C3B-C4B-NB	-2.46	108.33	110.53
14	d	510	CLA	C3B-C4B-NB	-2.46	108.33	110.53
14	i	510	CLA	C3B-C4B-NB	-2.46	108.33	110.53
14	d	511	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	l	512	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	a	506	CLA	C3B-C4B-NB	-2.46	108.33	110.53
14	aK	1401	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	b1	509	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	l	513	CLA	CHB-C4A-NA	2.46	127.95	124.40
17	aF	4015	BCR	C4-C5-C6	-2.46	119.38	122.70
17	a5	523	BCR	C8-C7-C6	-2.46	120.43	127.00
17	c2	523	BCR	C16-C15-C14	-2.46	118.49	123.52
17	q	524	BCR	C11-C12-C13	-2.46	119.62	126.36
14	c6	518	CLA	C1-C2-C3	-2.46	122.78	126.76
14	aA	1138	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	d	518	CLA	CHB-C4A-NA	2.46	127.95	124.40
17	U	523	BCR	C8-C7-C6	-2.46	120.43	127.00
14	a3	507	CLA	C3B-C4B-NB	-2.46	108.33	110.53
14	a3	509	CLA	C3B-C4B-NB	-2.46	108.33	110.53
14	bB	1228	CLA	C3B-C4B-NB	-2.46	108.33	110.53
14	m	505	CLA	C3B-C4B-NB	-2.46	108.33	110.53
17	a2	523	BCR	C28-C27-C26	-2.46	109.67	114.06
17	a4	522	BCR	C38-C26-C27	2.46	118.84	113.60
14	aA	1134	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	cA	1119	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	Y	517	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	b	503	CLA	CHB-C4A-NA	2.46	127.95	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	e	511	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	n	507	CLA	CHB-C4A-NA	2.46	127.95	124.40
17	a2	522	BCR	C38-C26-C27	2.46	118.84	113.60
14	bA	1127	CLA	C1-C2-C3	-2.46	122.17	126.20
14	i	518	CLA	C1-C2-C3	-2.46	122.17	126.20
14	bA	1113	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	b1	511	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	c1	501	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	bA	1117	CLA	C3B-C4B-NB	-2.46	108.34	110.53
17	bA	4008	BCR	C8-C7-C6	-2.46	120.43	127.00
14	cB	1211	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	c3	504	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	i	518	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	aB	1235	CLA	C1-C2-C3	-2.46	122.17	126.20
18	bA	5001	LHG	C20-C19-C18	-2.46	101.95	114.37
17	Y	524	BCR	C28-C27-C26	-2.46	109.67	114.06
14	b4	516	CLA	CHB-C4A-NA	2.46	127.94	124.40
14	X	511	CLA	CHB-C4A-NA	2.46	127.94	124.40
17	bA	4011	BCR	C20-C19-C18	-2.46	119.63	126.36
14	g	507	CLA	CHB-C4A-NA	2.46	127.94	124.40
14	m	518	CLA	CHB-C4A-NA	2.46	127.94	124.40
14	m	507	CLA	C3B-C4B-NB	-2.46	108.34	110.53
17	bB	4005	BCR	C33-C5-C4	2.46	118.83	113.60
17	bB	4010	BCR	C33-C5-C4	2.46	118.83	113.60
14	aK	1103	CLA	CHB-C4A-NA	2.46	127.94	124.40
14	a	512	CLA	CHB-C4A-NA	2.46	127.94	124.40
14	l	516	CLA	CHB-C4A-NA	2.46	127.94	124.40
14	cA	1112	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	c4	511	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	c4	517	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	V	511	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	i	504	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	j	510	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	m	506	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	o	503	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	aA	1107	CLA	C3B-C4B-NB	-2.45	108.34	110.53
14	p	505	CLA	C3B-C4B-NB	-2.45	108.34	110.53
17	cA	4011	BCR	C3-C4-C5	-2.45	109.68	114.06
17	bB	4017	BCR	C38-C26-C25	-2.45	121.81	124.48
14	a6	505	CLA	C1-C2-C3	-2.45	122.18	126.20
17	c	524	BCR	C8-C7-C6	-2.45	120.44	127.00
14	c2	504	CLA	CHB-C4A-NA	2.45	127.94	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	c	508	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	q	506	CLA	C3B-C4B-NB	-2.45	108.34	110.53
14	a3	508	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	bB	1216	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	cB	1217	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	T	518	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	W	502	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	W	511	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	c	511	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	n	504	CLA	CHB-C4A-NA	2.45	127.94	124.40
17	n	522	BCR	C33-C5-C4	2.45	118.83	113.60
20	V	822	SQD	O8-S-C6	2.45	110.71	105.97
14	c2	518	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	e	518	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	cB	1206	CLA	C3B-C4B-NB	-2.45	108.34	110.53
18	bA	5001	LHG	C11-C10-C9	-2.45	101.97	114.37
14	cA	1104	CLA	C1-C2-C3	-2.45	122.18	126.20
14	bB	1219	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	c6	509	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	b	504	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	f	518	CLA	CHB-C4A-NA	2.45	127.94	124.40
17	cM	4021	BCR	C3-C4-C5	-2.45	109.68	114.06
17	T	521	BCR	C33-C5-C4	2.45	118.82	113.60
14	b3	516	CLA	C3B-C4B-NB	-2.45	108.34	110.53
14	f	513	CLA	C3B-C4B-NB	-2.45	108.34	110.53
14	a4	502	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	a6	518	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	bA	1121	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	b3	503	CLA	CHB-C4A-NA	2.45	127.94	124.40
17	c1	522	BCR	C38-C26-C27	2.45	118.82	113.60
14	a6	503	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	bB	1217	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	b2	519	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	Y	516	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	i	512	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	aA	1123	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	bB	1234	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	d	508	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	S	511	CLA	C1-C2-C3	-2.45	122.80	126.76
14	j	518	CLA	C1-C2-C3	-2.45	122.80	126.76
17	b2	522	BCR	C33-C5-C4	2.45	118.82	113.60
17	bA	4002	BCR	C16-C15-C14	-2.45	118.51	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	p	518	CLA	CHB-C4A-NA	2.45	127.93	124.40
14	k	503	CLA	C3B-C4B-NB	-2.45	108.34	110.53
14	aB	1238	CLA	CHB-C4A-NA	2.45	127.93	124.40
14	b3	516	CLA	CHB-C4A-NA	2.45	127.93	124.40
14	S	519	CLA	CHB-C4A-NA	2.45	127.93	124.40
14	m	501	CLA	CHB-C4A-NA	2.45	127.93	124.40
17	q	522	BCR	C33-C5-C4	2.45	118.81	113.60
14	bA	1102	CLA	CAA-C2A-C3A	-2.45	106.39	113.00
14	cA	1102	CLA	CAA-C2A-C3A	-2.45	106.39	113.00
14	aA	1121	CLA	CHB-C4A-NA	2.45	127.93	124.40
14	aB	1234	CLA	CHB-C4A-NA	2.45	127.93	124.40
14	c	519	CLA	CHB-C4A-NA	2.45	127.93	124.40
17	a5	522	BCR	C38-C26-C27	2.45	118.81	113.60
17	cF	4014	BCR	C10-C11-C12	-2.45	116.11	123.20
20	b5	822	SQD	C44-O6-C1	2.45	119.04	113.80
17	aF	4015	BCR	C33-C5-C6	-2.45	121.81	124.48
14	bA	1237	CLA	CHB-C4A-NA	2.45	127.93	124.40
14	l	516	CLA	C3B-C4B-NB	-2.45	108.35	110.53
20	bB	1852	SQD	C44-O6-C1	2.45	119.04	113.80
14	aA	1105	CLA	CHB-C4A-NA	2.45	127.93	124.40
14	a5	507	CLA	CHB-C4A-NA	2.45	127.93	124.40
14	bA	1119	CLA	CHB-C4A-NA	2.45	127.93	124.40
14	bX	1401	CLA	CHB-C4A-NA	2.45	127.93	124.40
14	c6	517	CLA	CHB-C4A-NA	2.45	127.93	124.40
14	j	511	CLA	CHB-C4A-NA	2.45	127.93	124.40
14	q	501	CLA	CHB-C4A-NA	2.45	127.93	124.40
17	a3	522	BCR	C33-C5-C4	2.45	118.81	113.60
17	Z	522	BCR	C33-C5-C4	2.45	118.81	113.60
17	a5	522	BCR	C23-C24-C25	-2.45	120.47	127.00
14	Y	505	CLA	C3B-C4B-NB	-2.45	108.35	110.53
14	T	511	CLA	CHB-C4A-NA	2.45	127.93	124.40
14	X	509	CLA	CHB-C4A-NA	2.45	127.93	124.40
14	a	504	CLA	CHB-C4A-NA	2.45	127.93	124.40
14	j	509	CLA	CHB-C4A-NA	2.45	127.93	124.40
14	q	512	CLA	CHB-C4A-NA	2.45	127.93	124.40
17	a3	523	BCR	C11-C12-C13	-2.44	119.66	126.36
14	aB	1205	CLA	CHB-C4A-NA	2.44	127.93	124.40
14	a4	503	CLA	CHB-C4A-NA	2.44	127.93	124.40
14	b5	516	CLA	CHB-C4A-NA	2.44	127.93	124.40
14	b	512	CLA	CHB-C4A-NA	2.44	127.93	124.40
14	g	518	CLA	CHB-C4A-NA	2.44	127.93	124.40
14	m	504	CLA	CHB-C4A-NA	2.44	127.93	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	aB	1228	CLA	C3B-C4B-NB	-2.44	108.35	110.53
14	b1	505	CLA	C3B-C4B-NB	-2.44	108.35	110.53
14	bB	1230	CLA	CHB-C4A-NA	2.44	127.93	124.40
14	cK	1103	CLA	CHB-C4A-NA	2.44	127.93	124.40
14	S	516	CLA	CHB-C4A-NA	2.44	127.93	124.40
14	g	502	CLA	CHB-C4A-NA	2.44	127.93	124.40
14	h	519	CLA	CHB-C4A-NA	2.44	127.93	124.40
17	c2	523	BCR	C30-C25-C26	-2.44	119.30	122.64
14	aA	1127	CLA	C1-C2-C3	-2.44	122.19	126.20
20	c6	822	SQD	O5-C5-C4	2.44	114.10	109.70
14	bB	1238	CLA	CHB-C4A-NA	2.44	127.93	124.40
17	bF	4015	BCR	C33-C5-C6	-2.44	121.82	124.48
14	f	519	CLA	C3B-C4B-NB	-2.44	108.35	110.53
20	a4	822	SQD	C44-O6-C1	2.44	119.03	113.80
18	aA	5005	LHG	O8-C23-C24	2.44	119.28	111.83
14	a2	511	CLA	CHB-C4A-NA	2.44	127.92	124.40
14	b2	501	CLA	CHB-C4A-NA	2.44	127.92	124.40
14	b5	518	CLA	CHB-C4A-NA	2.44	127.92	124.40
14	b	518	CLA	CHB-C4A-NA	2.44	127.92	124.40
17	U	523	BCR	C33-C5-C4	2.44	118.80	113.60
14	aA	1122	CLA	CHB-C4A-NA	2.44	127.92	124.40
14	T	501	CLA	CHB-C4A-NA	2.44	127.92	124.40
14	X	518	CLA	CHB-C4A-NA	2.44	127.92	124.40
14	b	517	CLA	CHB-C4A-NA	2.44	127.92	124.40
14	h	518	CLA	CHB-C4A-NA	2.44	127.92	124.40
17	aF	4015	BCR	C33-C5-C4	2.44	118.80	113.60
20	e	822	SQD	O5-C5-C4	2.44	114.10	109.70
14	cA	1128	CLA	CMB-C2B-C1B	-2.44	121.70	125.42
14	c5	516	CLA	C3B-C4B-NB	-2.44	108.35	110.53
17	k	524	BCR	C28-C27-C26	-2.44	109.70	114.06
17	a	521	BCR	C33-C5-C4	2.44	118.80	113.60
20	c4	822	SQD	O5-C5-C4	2.44	114.10	109.70
14	b1	502	CLA	CHB-C4A-NA	2.44	127.92	124.40
14	c5	502	CLA	CHB-C4A-NA	2.44	127.92	124.40
14	d	502	CLA	CHB-C4A-NA	2.44	127.92	124.40
14	k	504	CLA	CHB-C4A-NA	2.44	127.92	124.40
14	aB	1227	CLA	C1-C2-C3	-2.44	122.20	126.20
17	a5	524	BCR	C28-C27-C26	-2.44	109.71	114.06
14	a2	517	CLA	CHB-C4A-NA	2.44	127.92	124.40
14	cB	1202	CLA	CHB-C4A-NA	2.44	127.92	124.40
14	c2	516	CLA	CHB-C4A-NA	2.44	127.92	124.40
14	n	518	CLA	CHB-C4A-NA	2.44	127.92	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	Z	522	BCR	C38-C26-C27	2.44	118.80	113.60
17	cK	4001	BCR	C24-C23-C22	-2.44	122.63	126.23
14	a5	513	CLA	C3B-C4B-NB	-2.44	108.35	110.53
14	bA	1123	CLA	CHB-C4A-NA	2.44	127.92	124.40
14	U	511	CLA	CHB-C4A-NA	2.44	127.92	124.40
17	h	522	BCR	C11-C12-C13	-2.44	119.68	126.36
14	aB	1225	CLA	CMB-C2B-C1B	-2.44	121.71	125.42
14	bA	1102	CLA	CHB-C4A-NA	2.44	127.92	124.40
14	bB	1214	CLA	CHB-C4A-NA	2.44	127.92	124.40
14	b	508	CLA	CHB-C4A-NA	2.44	127.92	124.40
14	c6	502	CLA	C1-C2-C3	-2.44	122.20	126.20
14	c4	507	CLA	C3B-C4B-NB	-2.44	108.35	110.53
14	d	502	CLA	C3B-C4B-NB	-2.44	108.35	110.53
17	j	523	BCR	C33-C5-C4	2.44	118.79	113.60
14	b6	513	CLA	C1-C2-C3	-2.44	122.82	126.76
14	aB	1221	CLA	CHB-C4A-NA	2.44	127.92	124.40
14	a3	501	CLA	CHB-C4A-NA	2.44	127.92	124.40
14	b6	507	CLA	CHB-C4A-NA	2.44	127.92	124.40
14	i	502	CLA	CHB-C4A-NA	2.44	127.92	124.40
17	X	522	BCR	C38-C26-C27	2.44	118.79	113.60
17	aK	4001	BCR	C24-C23-C22	-2.44	122.63	126.23
14	a1	513	CLA	C1-C2-C3	-2.44	122.82	126.76
17	cM	4021	BCR	C33-C5-C4	2.44	118.79	113.60
14	V	505	CLA	C3B-C4B-NB	-2.44	108.36	110.53
14	a	518	CLA	C3B-C4B-NB	-2.44	108.36	110.53
14	c6	502	CLA	CHB-C4A-NA	2.44	127.92	124.40
14	h	516	CLA	CHB-C4A-NA	2.44	127.92	124.40
17	c5	523	BCR	C23-C24-C25	-2.44	120.49	127.00
14	cK	1401	CLA	CHB-C4A-NA	2.44	127.92	124.40
14	S	517	CLA	CHB-C4A-NA	2.44	127.92	124.40
17	k	522	BCR	C23-C24-C25	-2.44	120.49	127.00
14	aB	1226	CLA	C3B-C4B-NB	-2.44	108.36	110.53
17	p	523	BCR	C33-C5-C4	2.44	118.79	113.60
14	b2	502	CLA	CHB-C4A-NA	2.44	127.91	124.40
14	X	516	CLA	CHB-C4A-NA	2.44	127.91	124.40
14	h	517	CLA	CHB-C4A-NA	2.44	127.91	124.40
14	bB	1205	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	c6	511	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	c	518	CLA	CHB-C4A-NA	2.43	127.91	124.40
18	cA	5004	LHG	C11-C10-C9	-2.43	102.06	114.37
14	cB	1204	CLA	C3B-C4B-NB	-2.43	108.36	110.53
14	a1	503	CLA	CHB-C4A-NA	2.43	127.91	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a6	517	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	b1	504	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	W	501	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	l	518	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	q	502	CLA	CHB-C4A-NA	2.43	127.91	124.40
17	j	524	BCR	C28-C27-C26	-2.43	109.72	114.06
14	j	508	CLA	C3B-C4B-NB	-2.43	108.36	110.53
20	b4	822	SQD	O6-C1-C2	2.43	111.97	108.27
14	S	502	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	b6	501	CLA	C1-C2-C3	-2.43	122.21	126.20
14	c1	512	CLA	C1-C2-C3	-2.43	122.21	126.20
17	k	522	BCR	C38-C26-C27	2.43	118.78	113.60
20	b3	822	SQD	C44-O6-C1	2.43	119.01	113.80
17	a2	523	BCR	C33-C5-C4	2.43	118.78	113.60
14	bA	1138	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	b1	507	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	U	501	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	e	507	CLA	C3B-C4B-NB	-2.43	108.36	110.53
17	c1	523	BCR	C33-C5-C4	2.43	118.78	113.60
20	n	822	SQD	O5-C5-C4	2.43	114.08	109.70
14	aB	1231	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	a3	503	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	a3	516	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	a6	504	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	U	510	CLA	CHB-C4A-NA	2.43	127.91	124.40
17	U	522	BCR	C11-C12-C13	-2.43	119.70	126.36
17	X	523	BCR	C10-C11-C12	-2.43	116.16	123.20
17	c3	524	BCR	C4-C5-C6	-2.43	119.42	122.70
17	X	523	BCR	C23-C24-C25	-2.43	120.50	127.00
14	bA	1105	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	cA	1105	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	a	508	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	o	516	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	c1	513	CLA	C3B-C4B-NB	-2.43	108.36	110.53
14	c4	508	CLA	C3B-C4B-NB	-2.43	108.36	110.53
17	c3	524	BCR	C23-C24-C25	-2.43	120.50	127.00
17	f	522	BCR	C23-C24-C25	-2.43	120.50	127.00
14	a2	501	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	c4	513	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	c6	519	CLA	CHB-C4A-NA	2.43	127.91	124.40
17	cM	4021	BCR	C8-C7-C6	-2.43	120.51	127.00
14	bB	1226	CLA	C3B-C4B-NB	-2.43	108.36	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	c6	524	BCR	C11-C12-C13	-2.43	119.70	126.36
14	bA	1122	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	bA	1140	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	Y	509	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	Z	503	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	Z	511	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	d	512	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	a4	518	CLA	C1-C2-C3	-2.43	122.22	126.20
14	c3	501	CLA	CHB-C4A-NA	2.43	127.91	124.40
14	bB	1230	CLA	CAA-C2A-C3A	-2.43	106.44	113.00
14	aA	1114	CLA	CHB-C4A-NA	2.43	127.90	124.40
14	b3	511	CLA	CHB-C4A-NA	2.43	127.90	124.40
14	cB	1230	CLA	CHB-C4A-NA	2.43	127.90	124.40
14	V	501	CLA	CHB-C4A-NA	2.43	127.90	124.40
14	X	505	CLA	C3B-C4B-NB	-2.43	108.36	110.53
14	X	506	CLA	C3B-C4B-NB	-2.43	108.36	110.53
14	p	506	CLA	C3B-C4B-NB	-2.43	108.36	110.53
14	S	512	CLA	CHB-C4A-NA	2.43	127.90	124.40
14	a1	516	CLA	CAA-CBA-CGA	-2.43	106.32	113.21
14	b6	505	CLA	C1-C2-C3	-2.43	122.22	126.20
14	S	506	CLA	CHB-C4A-NA	2.43	127.90	124.40
14	S	511	CLA	CHB-C4A-NA	2.43	127.90	124.40
14	n	519	CLA	CHB-C4A-NA	2.43	127.90	124.40
14	aB	1226	CLA	CMB-C2B-C1B	-2.43	121.72	125.42
14	b3	517	CLA	O2D-CGD-CBD	2.43	115.47	111.23
20	cB	1852	SQD	O48-C23-C24	2.43	119.23	111.83
14	aA	1128	CLA	CMB-C2B-C1B	-2.43	121.72	125.42
14	aB	1203	CLA	CHB-C4A-NA	2.43	127.90	124.40
14	l	511	CLA	CHB-C4A-NA	2.43	127.90	124.40
17	i	521	BCR	C20-C19-C18	-2.43	119.71	126.36
14	Y	505	CLA	C1-C2-C3	-2.43	122.22	126.20
14	bA	1114	CLA	CHB-C4A-NA	2.43	127.90	124.40
14	cA	1110	CLA	CHB-C4A-NA	2.43	127.90	124.40
14	S	507	CLA	CHB-C4A-NA	2.43	127.90	124.40
14	l	504	CLA	CHB-C4A-NA	2.43	127.90	124.40
14	S	505	CLA	C3B-C4B-NB	-2.43	108.36	110.53
17	h	523	BCR	C8-C7-C6	-2.42	120.52	127.00
14	b5	503	CLA	CHB-C4A-NA	2.42	127.90	124.40
14	Y	504	CLA	CHB-C4A-NA	2.42	127.90	124.40
14	d	507	CLA	CHB-C4A-NA	2.42	127.90	124.40
17	bF	4015	BCR	C15-C16-C17	-2.42	118.56	123.52
14	bB	1224	CLA	C3B-C4B-NB	-2.42	108.37	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	V	519	CLA	C3B-C4B-NB	-2.42	108.37	110.53
14	bB	1202	CLA	CHB-C4A-NA	2.42	127.90	124.40
14	m	517	CLA	CHB-C4A-NA	2.42	127.90	124.40
17	a3	524	BCR	C28-C27-C26	-2.42	109.73	114.06
17	g	523	BCR	C28-C27-C26	-2.42	109.73	114.06
14	b3	501	CLA	CHB-C4A-NA	2.42	127.90	124.40
14	c1	505	CLA	CHB-C4A-NA	2.42	127.90	124.40
14	S	503	CLA	CHB-C4A-NA	2.42	127.90	124.40
14	Y	501	CLA	CHB-C4A-NA	2.42	127.90	124.40
14	Y	508	CLA	CHB-C4A-NA	2.42	127.90	124.40
14	g	516	CLA	CHB-C4A-NA	2.42	127.90	124.40
17	V	522	BCR	C33-C5-C4	2.42	118.76	113.60
18	aA	5002	LHG	C11-C10-C9	-2.42	102.12	114.37
17	cA	4002	BCR	C16-C15-C14	-2.42	118.56	123.52
14	aA	1130	CLA	CHB-C4A-NA	2.42	127.90	124.40
14	b1	517	CLA	CHB-C4A-NA	2.42	127.90	124.40
14	c	507	CLA	CHB-C4A-NA	2.42	127.90	124.40
14	e	503	CLA	CHB-C4A-NA	2.42	127.90	124.40
14	p	507	CLA	CHB-C4A-NA	2.42	127.90	124.40
14	bA	1116	CLA	C1-C2-C3	-2.42	122.23	126.20
17	a6	523	BCR	C28-C27-C26	-2.42	109.74	114.06
20	Z	822	SQD	C3-C4-C5	2.42	114.62	110.23
17	V	524	BCR	C8-C7-C6	-2.42	120.53	127.00
14	h	513	CLA	C3B-C4B-NB	-2.42	108.37	110.53
17	m	522	BCR	C33-C5-C4	2.42	118.76	113.60
17	aI	4018	BCR	C38-C26-C25	-2.42	121.84	124.48
14	aB	1229	CLA	C1-C2-C3	-2.42	122.23	126.20
17	q	523	BCR	C8-C7-C6	-2.42	120.53	127.00
14	aX	1401	CLA	CHB-C4A-NA	2.42	127.89	124.40
17	c5	522	BCR	C33-C5-C4	2.42	118.76	113.60
14	a2	508	CLA	C3B-C4B-NB	-2.42	108.37	110.53
14	a2	510	CLA	C3B-C4B-NB	-2.42	108.37	110.53
14	b3	505	CLA	C3B-C4B-NB	-2.42	108.37	110.53
17	b4	522	BCR	C11-C12-C13	-2.42	119.73	126.36
14	a5	510	CLA	CHB-C4A-NA	2.42	127.89	124.40
14	bK	1401	CLA	CHB-C4A-NA	2.42	127.89	124.40
14	b4	508	CLA	CHB-C4A-NA	2.42	127.89	124.40
14	b4	511	CLA	CHB-C4A-NA	2.42	127.89	124.40
14	cB	1238	CLA	CHB-C4A-NA	2.42	127.89	124.40
14	Z	502	CLA	CHB-C4A-NA	2.42	127.89	124.40
14	i	517	CLA	CHB-C4A-NA	2.42	127.89	124.40
18	bA	5002	LHG	C11-C10-C9	-2.42	102.14	114.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	cK	4001	BCR	C29-C30-C25	2.42	113.95	110.44
14	b2	504	CLA	CHB-C4A-NA	2.42	127.89	124.40
14	b6	517	CLA	CHB-C4A-NA	2.42	127.89	124.40
14	a	518	CLA	CHB-C4A-NA	2.42	127.89	124.40
14	b	501	CLA	CHB-C4A-NA	2.42	127.89	124.40
17	c2	523	BCR	C38-C26-C27	2.42	118.75	113.60
17	o	522	BCR	C33-C5-C4	2.42	118.75	113.60
14	a4	508	CLA	C3B-C4B-NB	-2.42	108.37	110.53
20	b	822	SQD	O48-C23-C24	2.42	119.21	111.83
14	i	510	CLA	C1-C2-C3	-2.42	122.85	126.76
20	f	822	SQD	C44-O6-C1	2.42	118.98	113.80
14	c4	516	CLA	CHB-C4A-NA	2.42	127.89	124.40
14	l	501	CLA	CHB-C4A-NA	2.42	127.89	124.40
17	j	524	BCR	C11-C12-C13	-2.42	119.73	126.36
17	a6	524	BCR	C28-C27-C26	-2.42	109.74	114.06
17	cB	4017	BCR	C8-C7-C6	-2.42	120.54	127.00
14	c3	506	CLA	C3B-C4B-NB	-2.42	108.37	110.53
14	h	510	CLA	C3B-C4B-NB	-2.42	108.37	110.53
14	cA	1237	CLA	CHB-C4A-NA	2.42	127.89	124.40
14	c6	510	CLA	CHB-C4A-NA	2.42	127.89	124.40
14	m	508	CLA	CHB-C4A-NA	2.42	127.89	124.40
17	aB	4010	BCR	C33-C5-C4	2.42	118.75	113.60
14	cA	1122	CLA	CHB-C4A-NA	2.42	127.89	124.40
14	T	519	CLA	CHB-C4A-NA	2.42	127.89	124.40
18	aX	4021	LHG	C11-C10-C9	-2.42	102.15	114.37
20	b3	822	SQD	O48-C23-C24	2.42	119.20	111.83
17	cA	4008	BCR	C8-C7-C6	-2.42	120.54	127.00
14	c1	502	CLA	C3B-C4B-NB	-2.42	108.37	110.53
20	c	822	SQD	O6-C1-C2	2.42	111.94	108.27
14	aA	1107	CLA	CHB-C4A-NA	2.42	127.89	124.40
14	aB	1202	CLA	CHB-C4A-NA	2.42	127.89	124.40
14	aB	1216	CLA	CHB-C4A-NA	2.42	127.89	124.40
14	c5	511	CLA	CHB-C4A-NA	2.42	127.89	124.40
14	a4	506	CLA	CMB-C2B-C1B	-2.42	121.74	125.42
14	bB	1227	CLA	O2A-CGA-O1A	-2.42	117.59	123.63
14	b2	502	CLA	C1-C2-C3	-2.42	122.24	126.20
14	j	517	CLA	CHB-C4A-NA	2.41	127.89	124.40
14	c6	508	CLA	CHB-C4A-NA	2.41	127.88	124.40
17	c3	522	BCR	C11-C12-C13	-2.41	119.75	126.36
14	i	508	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	k	518	CLA	CHB-C4A-NA	2.41	127.88	124.40
17	a	523	BCR	C10-C11-C12	-2.41	116.21	123.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	Y	522	BCR	C8-C7-C6	-2.41	120.55	127.00
14	g	507	CLA	C3B-C4B-NB	-2.41	108.38	110.53
14	h	505	CLA	C3B-C4B-NB	-2.41	108.38	110.53
14	p	516	CLA	C3B-C4B-NB	-2.41	108.38	110.53
14	aB	1227	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	a6	511	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	cA	1138	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	q	510	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	b4	510	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	cA	1133	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	T	504	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	a	507	CLA	CHB-C4A-NA	2.41	127.88	124.40
17	a6	524	BCR	C15-C16-C17	-2.41	118.58	123.52
14	b3	502	CLA	CHB-C4A-NA	2.41	127.88	124.40
17	c6	524	BCR	C23-C24-C25	-2.41	120.56	127.00
14	bA	1130	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	bB	1235	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	bJ	1303	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	b3	506	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	b6	518	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	c1	511	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	X	512	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	o	501	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	i	507	CLA	C3B-C4B-NB	-2.41	108.38	110.53
20	g	822	SQD	O8-S-C6	2.41	110.63	105.97
14	bA	1125	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	c2	511	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	c4	512	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	c4	519	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	S	510	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	T	516	CLA	CHB-C4A-NA	2.41	127.88	124.40
17	a	524	BCR	C8-C7-C6	-2.41	120.56	127.00
17	e	524	BCR	C23-C24-C25	-2.41	120.56	127.00
17	S	524	BCR	C38-C26-C27	2.41	118.73	113.60
14	S	508	CLA	C3B-C4B-NB	-2.41	108.38	110.53
14	U	506	CLA	C3B-C4B-NB	-2.41	108.38	110.53
14	a6	501	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	b6	506	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	cA	1107	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	Z	508	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	f	505	CLA	CHB-C4A-NA	2.41	127.88	124.40
17	Y	523	BCR	C33-C5-C4	2.41	118.73	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a6	518	CLA	C1-C2-C3	-2.41	122.86	126.76
14	T	507	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	Y	518	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	d	518	CLA	C1-C2-C3	-2.41	122.25	126.20
14	f	507	CLA	C3B-C4B-NB	-2.41	108.38	110.53
14	j	507	CLA	C3B-C4B-NB	-2.41	108.38	110.53
18	bA	5003	LHG	C11-C10-C9	-2.41	102.19	114.37
17	c1	521	BCR	C23-C24-C25	-2.41	120.56	127.00
14	a1	512	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	b6	502	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	a	506	CLA	CHB-C4A-NA	2.41	127.88	124.40
17	c6	522	BCR	C8-C7-C6	-2.41	120.57	127.00
20	b4	822	SQD	O8-S-C6	2.41	110.62	105.97
17	f	522	BCR	C38-C26-C27	2.41	118.73	113.60
17	U	522	BCR	C23-C24-C25	-2.41	120.57	127.00
17	cB	4010	BCR	C11-C12-C13	-2.41	119.76	126.36
14	f	504	CLA	CHB-C4A-NA	2.41	127.87	124.40
14	k	511	CLA	CHB-C4A-NA	2.41	127.87	124.40
17	bA	4011	BCR	C3-C4-C5	-2.41	109.76	114.06
14	aA	1102	CLA	CAA-C2A-C3A	-2.41	106.50	113.00
14	c2	519	CLA	CHB-C4A-NA	2.41	127.87	124.40
20	aB	1852	SQD	C3-C4-C5	2.41	114.59	110.23
17	i	523	BCR	C8-C7-C6	-2.41	120.57	127.00
20	a4	822	SQD	O6-C1-C2	2.41	111.93	108.27
17	q	522	BCR	C11-C12-C13	-2.41	119.77	126.36
14	b1	501	CLA	CHB-C4A-NA	2.41	127.87	124.40
14	c1	508	CLA	CHB-C4A-NA	2.41	127.87	124.40
14	c3	511	CLA	CHB-C4A-NA	2.41	127.87	124.40
14	d	513	CLA	CHB-C4A-NA	2.41	127.87	124.40
14	h	508	CLA	CHB-C4A-NA	2.41	127.87	124.40
17	aI	4018	BCR	C11-C12-C13	-2.41	119.77	126.36
14	aB	1210	CLA	CHB-C4A-NA	2.41	127.87	124.40
14	U	517	CLA	CHB-C4A-NA	2.41	127.87	124.40
14	o	507	CLA	CHB-C4A-NA	2.41	127.87	124.40
17	b4	522	BCR	C38-C26-C27	2.41	118.72	113.60
17	aA	4011	BCR	C3-C4-C5	-2.40	109.77	114.06
14	b1	510	CLA	CHB-C4A-NA	2.40	127.87	124.40
14	Y	506	CLA	CHB-C4A-NA	2.40	127.87	124.40
14	j	512	CLA	CHB-C4A-NA	2.40	127.87	124.40
17	bF	4014	BCR	C10-C11-C12	-2.40	116.23	123.20
14	aA	1129	CLA	CHB-C4A-NA	2.40	127.87	124.40
14	d	504	CLA	CHB-C4A-NA	2.40	127.87	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	o	508	CLA	CHB-C4A-NA	2.40	127.87	124.40
14	U	512	CLA	CMB-C2B-C1B	-2.40	121.76	125.42
17	m	523	BCR	C28-C27-C26	-2.40	109.77	114.06
14	a3	502	CLA	CHB-C4A-NA	2.40	127.87	124.40
14	bB	1233	CLA	CHB-C4A-NA	2.40	127.87	124.40
17	a3	522	BCR	C8-C7-C6	-2.40	120.58	127.00
14	aA	1125	CLA	CHB-C4A-NA	2.40	127.87	124.40
14	cB	1216	CLA	CHB-C4A-NA	2.40	127.87	124.40
14	cJ	1303	CLA	CHB-C4A-NA	2.40	127.87	124.40
14	c3	517	CLA	CHB-C4A-NA	2.40	127.87	124.40
14	d	516	CLA	CHB-C4A-NA	2.40	127.87	124.40
14	g	511	CLA	CHB-C4A-NA	2.40	127.87	124.40
14	a6	513	CLA	C1-C2-C3	-2.40	122.26	126.20
17	V	524	BCR	C28-C27-C26	-2.40	109.77	114.06
17	l	524	BCR	C28-C27-C26	-2.40	109.77	114.06
14	bA	1112	CLA	CHB-C4A-NA	2.40	127.87	124.40
14	S	518	CLA	CHB-C4A-NA	2.40	127.87	124.40
14	k	506	CLA	CHB-C4A-NA	2.40	127.87	124.40
14	aA	1116	CLA	C1-C2-C3	-2.40	122.26	126.20
14	bL	1501	CLA	C1-C2-C3	-2.40	122.26	126.20
14	a5	505	CLA	C3B-C4B-NB	-2.40	108.39	110.53
14	a1	511	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	b6	508	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	Z	506	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	a	513	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	a	517	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	j	513	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	cA	1109	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	c6	516	CLA	CHB-C4A-NA	2.40	127.86	124.40
18	cA	5002	LHG	O8-C23-C24	2.40	119.15	111.83
14	aB	1233	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	bB	1203	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	b6	511	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	e	512	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	h	501	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	c5	501	CLA	C1-C2-C3	-2.40	122.27	126.20
17	bB	4017	BCR	C29-C30-C25	2.40	113.92	110.44
14	m	510	CLA	CMB-C2B-C1B	-2.40	121.77	125.42
17	c	522	BCR	C33-C5-C4	2.40	118.71	113.60
14	bA	1109	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	bB	1227	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	c4	501	CLA	CHB-C4A-NA	2.40	127.86	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	V	507	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	m	512	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	p	508	CLA	CHB-C4A-NA	2.40	127.86	124.40
20	e	822	SQD	O48-C23-C24	2.40	119.15	111.83
14	X	518	CLA	C1-C2-C3	-2.40	122.27	126.20
17	b4	524	BCR	C23-C24-C25	-2.40	120.59	127.00
14	aB	1215	CLA	C3B-C4B-NB	-2.40	108.39	110.53
14	cB	1215	CLA	C3B-C4B-NB	-2.40	108.39	110.53
18	cA	5002	LHG	C11-C10-C9	-2.40	102.25	114.37
14	f	501	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	aA	1104	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	b2	508	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	b5	511	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	c2	501	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	c6	501	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	aB	1230	CLA	CAA-C2A-C3A	-2.40	106.52	113.00
14	k	502	CLA	C3B-C4B-NB	-2.40	108.39	110.53
17	i	521	BCR	C38-C26-C27	2.40	118.71	113.60
14	a3	519	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	b1	508	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	b3	513	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	S	508	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	Z	517	CLA	CHB-C4A-NA	2.40	127.86	124.40
20	a5	822	SQD	O48-C23-C24	2.40	119.14	111.83
21	cB	5002	LMG	C38-C37-C36	-2.40	102.25	114.37
14	a2	510	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	a2	519	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	c3	508	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	b	519	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	T	505	CLA	C3B-C4B-NB	-2.40	108.39	110.53
17	c4	522	BCR	C15-C16-C17	-2.40	118.62	123.52
20	T	822	SQD	O8-S-C6	2.40	110.60	105.97
14	a2	516	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	c5	512	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	W	519	CLA	CHB-C4A-NA	2.40	127.86	124.40
20	S	822	SQD	O48-C23-C24	2.40	119.14	111.83
17	b	523	BCR	C15-C16-C17	-2.40	118.62	123.52
17	b6	524	BCR	C8-C7-C6	-2.40	120.60	127.00
14	m	516	CLA	C3B-C4B-NB	-2.39	108.39	110.53
14	a3	513	CLA	CHB-C4A-NA	2.39	127.86	124.40
14	b2	506	CLA	CHB-C4A-NA	2.39	127.86	124.40
14	f	519	CLA	CHB-C4A-NA	2.39	127.86	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	U	504	CLA	C1-C2-C3	-2.39	122.89	126.76
14	U	507	CLA	CHB-C4A-NA	2.39	127.86	124.40
14	c2	508	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	h	512	CLA	CHB-C4A-NA	2.39	127.85	124.40
17	c	523	BCR	C23-C24-C25	-2.39	120.61	127.00
17	S	521	BCR	C20-C19-C18	-2.39	119.80	126.36
17	cB	4009	BCR	C38-C26-C27	2.39	118.70	113.60
17	b1	524	BCR	C15-C16-C17	-2.39	118.62	123.52
14	cA	1121	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	b3	512	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	c1	510	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	c2	505	CLA	CHB-C4A-NA	2.39	127.85	124.40
17	bB	4017	BCR	C8-C7-C6	-2.39	120.61	127.00
14	aB	1239	CLA	C3B-C4B-NB	-2.39	108.39	110.53
14	aA	1133	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	b3	518	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	b4	517	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	V	512	CLA	CHB-C4A-NA	2.39	127.85	124.40
17	V	523	BCR	C8-C7-C6	-2.39	120.61	127.00
17	i	522	BCR	C33-C5-C4	2.39	118.69	113.60
17	b3	524	BCR	C11-C12-C13	-2.39	119.81	126.36
17	aK	4001	BCR	C29-C30-C25	2.39	113.91	110.44
14	b1	516	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	cB	1231	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	c1	502	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	c2	517	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	c5	501	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	k	501	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	p	512	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	q	506	CLA	CHB-C4A-NA	2.39	127.85	124.40
17	a6	521	BCR	C33-C5-C4	2.39	118.69	113.60
20	c4	822	SQD	O48-C23-C24	2.39	119.12	111.83
14	bB	1239	CLA	C1-C2-C3	-2.39	122.28	126.20
14	c	501	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	j	502	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	n	508	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	q	517	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	W	513	CLA	C1-C2-C3	-2.39	122.90	126.76
17	k	524	BCR	C23-C24-C25	-2.39	120.61	127.00
14	aA	1237	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	b2	512	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	b3	510	CLA	CHB-C4A-NA	2.39	127.85	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	cA	1120	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	cB	1229	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	X	519	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	Z	501	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	e	509	CLA	CHB-C4A-NA	2.39	127.85	124.40
17	e	521	BCR	C33-C5-C4	2.39	118.69	113.60
17	Z	524	BCR	C4-C5-C6	-2.39	119.48	122.70
17	f	524	BCR	C38-C26-C27	2.39	118.69	113.60
14	a1	505	CLA	CHB-C4A-NA	2.39	127.85	124.40
17	aB	4009	BCR	C38-C26-C25	-2.39	121.88	124.48
14	d	507	CLA	C3B-C4B-NB	-2.39	108.40	110.53
14	aA	1116	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	a1	513	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	b4	512	CLA	CHB-C4A-NA	2.39	127.84	124.40
14	cB	1233	CLA	CHB-C4A-NA	2.39	127.84	124.40
14	q	519	CLA	CHB-C4A-NA	2.39	127.84	124.40
14	Z	504	CLA	C1-C2-C3	-2.39	122.29	126.20
17	V	524	BCR	C11-C12-C13	-2.39	119.82	126.36
14	cA	1125	CLA	CHB-C4A-NA	2.39	127.84	124.40
14	d	517	CLA	CHB-C4A-NA	2.39	127.84	124.40
14	e	510	CLA	CHB-C4A-NA	2.39	127.84	124.40
17	b2	524	BCR	C28-C27-C26	-2.39	109.80	114.06
14	a3	502	CLA	C1-C2-C3	-2.39	122.29	126.20
14	bA	1116	CLA	CHB-C4A-NA	2.39	127.84	124.40
14	W	512	CLA	CHB-C4A-NA	2.39	127.84	124.40
17	cF	4016	BCR	C23-C24-C25	-2.39	120.63	127.00
17	g	521	BCR	C33-C5-C4	2.38	118.68	113.60
20	c5	822	SQD	O48-C23-C24	2.38	119.11	111.83
17	o	523	BCR	C15-C16-C17	-2.38	118.64	123.52
17	aF	4014	BCR	C33-C5-C4	2.38	118.68	113.60
14	aF	1301	CLA	CHB-C4A-NA	2.38	127.84	124.40
14	a2	508	CLA	CHB-C4A-NA	2.38	127.84	124.40
14	a4	511	CLA	CHB-C4A-NA	2.38	127.84	124.40
14	cB	1232	CLA	CHB-C4A-NA	2.38	127.84	124.40
14	c2	502	CLA	CHB-C4A-NA	2.38	127.84	124.40
14	f	510	CLA	CHB-C4A-NA	2.38	127.84	124.40
14	a1	502	CLA	C1-C2-C3	-2.38	122.29	126.20
17	b6	521	BCR	C33-C5-C4	2.38	118.68	113.60
14	f	510	CLA	C3B-C4B-NB	-2.38	108.40	110.53
14	l	510	CLA	C3B-C4B-NB	-2.38	108.40	110.53
14	g	504	CLA	CHB-C4A-NA	2.38	127.84	124.40
14	q	507	CLA	CHB-C4A-NA	2.38	127.84	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	aA	1129	CLA	C1-C2-C3	-2.38	122.29	126.20
17	a3	522	BCR	C38-C26-C27	2.38	118.68	113.60
14	b1	512	CLA	CHB-C4A-NA	2.38	127.84	124.40
14	a6	519	CLA	C3B-C4B-NB	-2.38	108.40	110.53
14	b6	505	CLA	C3B-C4B-NB	-2.38	108.40	110.53
14	S	502	CLA	C3B-C4B-NB	-2.38	108.40	110.53
18	cA	5003	LHG	C20-C19-C18	-2.38	102.33	114.37
14	b5	508	CLA	CHB-C4A-NA	2.38	127.84	124.40
14	Y	519	CLA	CHB-C4A-NA	2.38	127.84	124.40
17	a6	522	BCR	C11-C12-C13	-2.38	119.83	126.36
14	c3	505	CLA	CHB-C4A-NA	2.38	127.84	124.40
14	c6	507	CLA	CHB-C4A-NA	2.38	127.84	124.40
14	T	510	CLA	CHB-C4A-NA	2.38	127.84	124.40
17	cA	4011	BCR	C16-C15-C14	-2.38	118.65	123.52
14	a5	504	CLA	CHB-C4A-NA	2.38	127.84	124.40
14	q	511	CLA	CHB-C4A-NA	2.38	127.84	124.40
17	aJ	4013	BCR	C33-C5-C4	2.38	118.67	113.60
17	bK	4001	BCR	C29-C30-C25	2.38	113.90	110.44
14	bB	1204	CLA	C3B-C4B-NB	-2.38	108.41	110.53
14	bA	1104	CLA	C1-C2-C3	-2.38	122.30	126.20
14	aB	1226	CLA	CHB-C4A-NA	2.38	127.83	124.40
14	bB	1226	CLA	CHB-C4A-NA	2.38	127.83	124.40
14	cA	1130	CLA	CHB-C4A-NA	2.38	127.83	124.40
14	U	519	CLA	CHB-C4A-NA	2.38	127.83	124.40
20	p	822	SQD	O5-C5-C4	2.38	113.99	109.70
14	b5	506	CLA	CHB-C4A-NA	2.38	127.83	124.40
14	cB	1235	CLA	CHB-C4A-NA	2.38	127.83	124.40
14	V	506	CLA	C3B-C4B-NB	-2.38	108.41	110.53
17	a5	523	BCR	C21-C20-C19	-2.38	116.31	123.20
14	b6	516	CLA	CHB-C4A-NA	2.38	127.83	124.40
14	W	510	CLA	CHB-C4A-NA	2.38	127.83	124.40
21	bB	5002	LMG	C38-C37-C36	-2.38	102.34	114.37
14	a4	519	CLA	CHB-C4A-NA	2.38	127.83	124.40
14	a5	501	CLA	CHB-C4A-NA	2.38	127.83	124.40
14	b4	519	CLA	CHB-C4A-NA	2.38	127.83	124.40
14	i	501	CLA	CHB-C4A-NA	2.38	127.83	124.40
17	i	521	BCR	C33-C5-C4	2.38	118.67	113.60
17	c3	522	BCR	C15-C16-C17	-2.38	118.65	123.52
14	b6	510	CLA	CHB-C4A-NA	2.38	127.83	124.40
14	Y	502	CLA	C3B-C4B-NB	-2.38	108.41	110.53
17	o	524	BCR	C4-C5-C6	-2.38	119.49	122.70
14	a3	511	CLA	CHB-C4A-NA	2.38	127.83	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	bA	1129	CLA	CHB-C4A-NA	2.38	127.83	124.40
14	bB	1221	CLA	CHB-C4A-NA	2.38	127.83	124.40
14	b	505	CLA	CHB-C4A-NA	2.38	127.83	124.40
14	g	510	CLA	CHB-C4A-NA	2.38	127.83	124.40
14	i	519	CLA	CHB-C4A-NA	2.38	127.83	124.40
14	a6	512	CLA	CHB-C4A-NA	2.38	127.83	124.40
17	f	523	BCR	C23-C24-C25	-2.38	120.65	127.00
14	o	505	CLA	C3B-C4B-NB	-2.38	108.41	110.53
17	j	524	BCR	C8-C7-C6	-2.38	120.65	127.00
14	bB	1231	CLA	CHB-C4A-NA	2.38	127.83	124.40
14	cB	1203	CLA	CHB-C4A-NA	2.38	127.83	124.40
17	bF	4014	BCR	C11-C10-C9	-2.38	123.95	127.28
17	b	522	BCR	C38-C26-C27	2.38	118.66	113.60
14	aA	1126	CLA	C3B-C4B-NB	-2.37	108.41	110.53
14	a1	510	CLA	CHB-C4A-NA	2.37	127.83	124.40
14	bA	1107	CLA	CHB-C4A-NA	2.37	127.83	124.40
14	d	506	CLA	CHB-C4A-NA	2.37	127.83	124.40
14	a2	502	CLA	CHB-C4A-NA	2.37	127.83	124.40
14	o	513	CLA	CHB-C4A-NA	2.37	127.83	124.40
14	p	517	CLA	CHB-C4A-NA	2.37	127.83	124.40
14	cB	1239	CLA	C3B-C4B-NB	-2.37	108.41	110.53
17	b5	523	BCR	C28-C27-C26	-2.37	109.82	114.06
14	bJ	1302	CLA	CHB-C4A-NA	2.37	127.83	124.40
14	f	502	CLA	CHB-C4A-NA	2.37	127.83	124.40
14	c1	505	CLA	C1-C2-C3	-2.37	122.31	126.20
17	b6	524	BCR	C15-C16-C17	-2.37	118.66	123.52
14	cA	1124	CLA	CHB-C4A-NA	2.37	127.82	124.40
14	X	510	CLA	CHB-C4A-NA	2.37	127.82	124.40
14	X	507	CLA	C3B-C4B-NB	-2.37	108.41	110.53
17	c2	523	BCR	C3-C4-C5	-2.37	109.83	114.06
14	bF	1301	CLA	CHB-C4A-NA	2.37	127.82	124.40
14	U	513	CLA	CHB-C4A-NA	2.37	127.82	124.40
14	g	519	CLA	CHB-C4A-NA	2.37	127.82	124.40
17	k	522	BCR	C8-C7-C6	-2.37	120.66	127.00
17	cJ	4013	BCR	C33-C5-C4	2.37	118.65	113.60
14	n	508	CLA	C3B-C4B-NB	-2.37	108.41	110.53
17	bF	4014	BCR	C33-C5-C4	2.37	118.65	113.60
17	b1	523	BCR	C33-C5-C4	2.37	118.65	113.60
14	aA	1120	CLA	CHB-C4A-NA	2.37	127.82	124.40
14	c3	510	CLA	CHB-C4A-NA	2.37	127.82	124.40
14	a1	518	CLA	C1-C2-C3	-2.37	122.31	126.20
14	T	512	CLA	CHB-C4A-NA	2.37	127.82	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	d	505	CLA	C3B-C4B-NB	-2.37	108.41	110.53
14	aB	1222	CLA	CHB-C4A-NA	2.37	127.82	124.40
14	T	510	CLA	C3B-C4B-NB	-2.37	108.42	110.53
14	a1	501	CLA	CHB-C4A-NA	2.37	127.82	124.40
14	a2	512	CLA	CHB-C4A-NA	2.37	127.82	124.40
14	W	504	CLA	O2A-CGA-O1A	-2.37	117.70	123.63
17	b3	523	BCR	C33-C5-C4	2.37	118.65	113.60
17	h	521	BCR	C33-C5-C4	2.37	118.65	113.60
17	c	523	BCR	C15-C16-C17	-2.37	118.67	123.52
14	p	506	CLA	CHB-C4A-NA	2.37	127.82	124.40
17	aA	4008	BCR	C8-C7-C6	-2.37	120.67	127.00
17	i	524	BCR	C11-C12-C13	-2.37	119.87	126.36
17	c1	524	BCR	C4-C5-C6	-2.37	119.50	122.70
17	cF	4015	BCR	C15-C16-C17	-2.37	118.67	123.52
17	Z	523	BCR	C15-C16-C17	-2.37	118.67	123.52
14	aA	1109	CLA	CHB-C4A-NA	2.37	127.82	124.40
14	bA	1110	CLA	CHB-C4A-NA	2.37	127.82	124.40
14	b	507	CLA	CHB-C4A-NA	2.37	127.82	124.40
14	e	504	CLA	CHB-C4A-NA	2.37	127.82	124.40
17	bB	4009	BCR	C38-C26-C27	2.37	118.64	113.60
14	aB	1235	CLA	CHB-C4A-NA	2.37	127.82	124.40
14	a5	512	CLA	CHB-C4A-NA	2.37	127.82	124.40
14	c	506	CLA	CHB-C4A-NA	2.37	127.82	124.40
14	j	506	CLA	CHB-C4A-NA	2.37	127.82	124.40
14	S	506	CLA	C3B-C4B-NB	-2.37	108.42	110.53
17	b1	522	BCR	C21-C20-C19	-2.37	116.34	123.20
17	cI	4019	BCR	C3-C4-C5	-2.37	109.83	114.06
14	b5	510	CLA	CHB-C4A-NA	2.37	127.81	124.40
14	X	508	CLA	CHB-C4A-NA	2.37	127.81	124.40
14	o	507	CLA	C3B-C4B-NB	-2.37	108.42	110.53
14	d	510	CLA	CHB-C4A-NA	2.37	127.81	124.40
14	l	508	CLA	CHB-C4A-NA	2.37	127.81	124.40
17	U	521	BCR	C33-C5-C4	2.37	118.64	113.60
14	a5	516	CLA	O2A-CGA-O1A	-2.37	117.71	123.63
14	g	513	CLA	CHB-C4A-NA	2.37	127.81	124.40
14	o	511	CLA	CHB-C4A-NA	2.37	127.81	124.40
14	cB	1227	CLA	CHB-C4A-NA	2.36	127.81	124.40
17	i	524	BCR	C20-C19-C18	-2.36	119.88	126.36
14	a5	511	CLA	CHB-C4A-NA	2.36	127.81	124.40
14	i	510	CLA	CHB-C4A-NA	2.36	127.81	124.40
14	W	505	CLA	C3B-C4B-NB	-2.36	108.42	110.53
17	j	522	BCR	C15-C16-C17	-2.36	118.68	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	cF	4014	BCR	C11-C10-C9	-2.36	123.96	127.28
14	aB	1208	CLA	CHB-C4A-NA	2.36	127.81	124.40
14	a1	508	CLA	CHB-C4A-NA	2.36	127.81	124.40
14	b5	519	CLA	CHB-C4A-NA	2.36	127.81	124.40
14	a	516	CLA	CHB-C4A-NA	2.36	127.81	124.40
17	b3	522	BCR	C11-C12-C13	-2.36	119.89	126.36
17	a	524	BCR	C15-C16-C17	-2.36	118.69	123.52
17	c3	522	BCR	C23-C24-C25	-2.36	120.69	127.00
17	Z	521	BCR	C33-C5-C4	2.36	118.63	113.60
17	bI	4019	BCR	C3-C4-C5	-2.36	109.84	114.06
14	aB	1232	CLA	CHB-C4A-NA	2.36	127.81	124.40
14	b	506	CLA	CHB-C4A-NA	2.36	127.81	124.40
20	b4	822	SQD	O48-C23-C24	2.36	119.04	111.83
14	f	513	CLA	CHB-C4A-NA	2.36	127.81	124.40
14	bB	1239	CLA	C3B-C4B-NB	-2.36	108.42	110.53
14	i	505	CLA	C3B-C4B-NB	-2.36	108.42	110.53
17	b4	523	BCR	C23-C24-C25	-2.36	120.69	127.00
17	cB	4017	BCR	C29-C30-C25	2.36	113.87	110.44
14	cB	1208	CLA	CHB-C4A-NA	2.36	127.81	124.40
14	Z	516	CLA	CHB-C4A-NA	2.36	127.81	124.40
14	c	510	CLA	CHB-C4A-NA	2.36	127.81	124.40
17	aB	4017	BCR	C38-C26-C25	-2.36	121.91	124.48
18	bA	5003	LHG	C20-C19-C18	-2.36	102.44	114.37
17	bJ	4013	BCR	C24-C23-C22	-2.36	122.74	126.23
14	cA	1130	CLA	CMB-C2B-C1B	-2.36	121.83	125.42
14	b5	512	CLA	CHB-C4A-NA	2.36	127.81	124.40
14	i	511	CLA	CHB-C4A-NA	2.36	127.81	124.40
17	Y	523	BCR	C8-C7-C6	-2.36	120.69	127.00
14	a2	505	CLA	CHB-C4A-NA	2.36	127.80	124.40
14	a3	512	CLA	CHB-C4A-NA	2.36	127.80	124.40
14	V	519	CLA	CHB-C4A-NA	2.36	127.80	124.40
14	d	519	CLA	CHB-C4A-NA	2.36	127.80	124.40
14	a2	513	CLA	CHB-C4A-NA	2.36	127.80	124.40
14	a3	505	CLA	CHB-C4A-NA	2.36	127.80	124.40
14	a4	517	CLA	CHB-C4A-NA	2.36	127.80	124.40
14	b2	510	CLA	CHB-C4A-NA	2.36	127.80	124.40
14	cA	1140	CLA	CHB-C4A-NA	2.36	127.80	124.40
14	c3	513	CLA	CHB-C4A-NA	2.36	127.80	124.40
14	cA	1126	CLA	C3B-C4B-NB	-2.36	108.42	110.53
14	aB	1231	CLA	C1-C2-C3	-2.36	122.33	126.20
14	aB	1204	CLA	CHB-C4A-NA	2.36	127.80	124.40
14	c	513	CLA	CHB-C4A-NA	2.36	127.80	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	bB	1220	CLA	C1-C2-C3	-2.36	122.95	126.76
17	c3	524	BCR	C28-C27-C26	-2.36	109.85	114.06
14	aA	1110	CLA	CHB-C4A-NA	2.36	127.80	124.40
14	f	506	CLA	CHB-C4A-NA	2.36	127.80	124.40
14	i	506	CLA	CHB-C4A-NA	2.36	127.80	124.40
14	cB	1229	CLA	C1-C2-C3	-2.36	122.34	126.20
17	bA	4011	BCR	C16-C15-C14	-2.36	118.70	123.52
14	c5	505	CLA	CHB-C4A-NA	2.36	127.80	124.40
20	n	822	SQD	O6-C1-C2	2.36	111.85	108.27
14	V	510	CLA	CHB-C4A-NA	2.36	127.80	124.40
14	Z	512	CLA	CHB-C4A-NA	2.36	127.80	124.40
14	h	513	CLA	CHB-C4A-NA	2.36	127.80	124.40
17	bF	4016	BCR	C33-C5-C4	2.35	118.62	113.60
17	a2	524	BCR	C15-C16-C17	-2.35	118.70	123.52
14	aB	1220	CLA	CHB-C4A-NA	2.35	127.80	124.40
14	h	510	CLA	CHB-C4A-NA	2.35	127.80	124.40
14	p	504	CLA	CHB-C4A-NA	2.35	127.80	124.40
17	a6	521	BCR	C11-C12-C13	-2.35	119.91	126.36
17	c6	521	BCR	C11-C12-C13	-2.35	119.91	126.36
17	T	522	BCR	C8-C7-C6	-2.35	120.71	127.00
17	b1	524	BCR	C4-C5-C6	-2.35	119.52	122.70
14	c2	510	CLA	CHB-C4A-NA	2.35	127.80	124.40
14	c5	519	CLA	CHB-C4A-NA	2.35	127.80	124.40
17	b2	523	BCR	C28-C27-C26	-2.35	109.86	114.06
14	a5	518	CLA	C1-C2-C3	-2.35	122.34	126.20
14	a4	513	CLA	CHB-C4A-NA	2.35	127.80	124.40
14	a	511	CLA	CHB-C4A-NA	2.35	127.80	124.40
17	a2	521	BCR	C15-C16-C17	-2.35	118.70	123.52
17	c1	521	BCR	C33-C5-C4	2.35	118.61	113.60
21	b2	5104	LMG	C38-C37-C36	-2.35	102.47	114.37
14	c1	512	CLA	CHB-C4A-NA	2.35	127.80	124.40
14	T	506	CLA	CHB-C4A-NA	2.35	127.80	124.40
14	f	512	CLA	CHB-C4A-NA	2.35	127.80	124.40
14	o	517	CLA	CHB-C4A-NA	2.35	127.80	124.40
17	c3	522	BCR	C38-C26-C27	2.35	118.61	113.60
14	a4	506	CLA	C3B-C4B-NB	-2.35	108.43	110.53
20	b3	822	SQD	O8-S-C6	2.35	110.51	105.97
14	b3	519	CLA	CHB-C4A-NA	2.35	127.79	124.40
14	c6	506	CLA	CHB-C4A-NA	2.35	127.79	124.40
14	V	516	CLA	CHB-C4A-NA	2.35	127.79	124.40
14	l	506	CLA	CHB-C4A-NA	2.35	127.79	124.40
14	cB	1228	CLA	C1-C2-C3	-2.35	122.34	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	bA	1124	CLA	CHB-C4A-NA	2.35	127.79	124.40
14	cA	1129	CLA	CHB-C4A-NA	2.35	127.79	124.40
17	aI	4019	BCR	C3-C4-C5	-2.35	109.86	114.06
14	cB	1239	CLA	C1-C2-C3	-2.35	122.34	126.20
17	a3	522	BCR	C21-C20-C19	-2.35	116.39	123.20
17	c3	524	BCR	C21-C20-C19	-2.35	116.39	123.20
14	a3	504	CLA	CHB-C4A-NA	2.35	127.79	124.40
14	a5	513	CLA	CHB-C4A-NA	2.35	127.79	124.40
14	cA	1136	CLA	CHB-C4A-NA	2.35	127.79	124.40
17	cJ	4013	BCR	C15-C16-C17	-2.35	118.71	123.52
14	a6	507	CLA	C3B-C4B-NB	-2.35	108.43	110.53
14	Y	507	CLA	C3B-C4B-NB	-2.35	108.43	110.53
17	m	522	BCR	C23-C24-C25	-2.35	120.72	127.00
17	b5	524	BCR	C15-C16-C17	-2.35	118.71	123.52
14	b6	512	CLA	CHB-C4A-NA	2.35	127.79	124.40
14	c1	506	CLA	CHB-C4A-NA	2.35	127.79	124.40
14	c4	508	CLA	CHB-C4A-NA	2.35	127.79	124.40
17	b5	521	BCR	C33-C5-C4	2.35	118.61	113.60
20	a3	822	SQD	O6-C1-C2	2.35	111.84	108.27
17	W	522	BCR	C8-C7-C6	-2.35	120.72	127.00
14	c2	512	CLA	CHB-C4A-NA	2.35	127.79	124.40
14	b	513	CLA	CHB-C4A-NA	2.35	127.79	124.40
17	f	523	BCR	C15-C16-C17	-2.35	118.71	123.52
14	b4	518	CLA	C1-C2-C3	-2.35	122.35	126.20
14	cA	1123	CLA	CMB-C2B-C1B	-2.35	121.84	125.42
14	b4	505	CLA	CHB-C4A-NA	2.35	127.79	124.40
17	c	521	BCR	C33-C5-C4	2.35	118.60	113.60
17	e	522	BCR	C15-C16-C17	-2.35	118.71	123.52
14	T	501	CLA	C1-C2-C3	-2.35	122.96	126.76
14	V	501	CLA	C1-C2-C3	-2.35	122.35	126.20
17	a1	523	BCR	C33-C5-C4	2.35	118.60	113.60
14	aL	1503	CLA	CHB-C4A-NA	2.35	127.79	124.40
14	a3	510	CLA	CHB-C4A-NA	2.35	127.79	124.40
14	cA	1116	CLA	CHB-C4A-NA	2.35	127.79	124.40
14	b	516	CLA	CHB-C4A-NA	2.35	127.79	124.40
14	f	517	CLA	CHB-C4A-NA	2.35	127.79	124.40
14	h	506	CLA	CHB-C4A-NA	2.35	127.79	124.40
14	b	510	CLA	CHB-C4A-NA	2.35	127.79	124.40
14	c1	506	CLA	C3B-C4B-NB	-2.35	108.44	110.53
14	c	513	CLA	C3B-C4B-NB	-2.35	108.44	110.53
14	aB	1214	CLA	CMB-C2B-C1B	-2.35	121.85	125.42
17	bI	4018	BCR	C11-C12-C13	-2.35	119.93	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	c2	506	CLA	CHB-C4A-NA	2.35	127.79	124.40
14	a1	506	CLA	C3B-C4B-NB	-2.35	108.44	110.53
17	e	523	BCR	C8-C7-C6	-2.35	120.73	127.00
14	e	501	CLA	CHB-C4A-NA	2.35	127.78	124.40
14	m	513	CLA	CHB-C4A-NA	2.35	127.78	124.40
17	a4	523	BCR	C15-C16-C17	-2.35	118.72	123.52
14	cB	1226	CLA	CHB-C4A-NA	2.34	127.78	124.40
17	e	521	BCR	C23-C24-C25	-2.34	120.73	127.00
14	cA	1123	CLA	O2A-CGA-O1A	-2.34	117.76	123.63
20	c2	822	SQD	O48-C23-C24	2.34	118.98	111.83
14	b1	507	CLA	C3B-C4B-NB	-2.34	108.44	110.53
14	c3	519	CLA	CHB-C4A-NA	2.34	127.78	124.40
14	aB	1239	CLA	CHB-C4A-NA	2.34	127.78	124.40
14	c	509	CLA	O2A-CGA-O1A	-2.34	117.77	123.63
17	aJ	4012	BCR	C33-C5-C6	-2.34	121.93	124.48
14	f	505	CLA	O2A-CGA-O1A	-2.34	117.31	123.33
14	n	501	CLA	CHB-C4A-NA	2.34	127.78	124.40
17	a5	523	BCR	C10-C11-C12	-2.34	116.41	123.20
14	a2	507	CLA	C3B-C4B-NB	-2.34	108.44	110.53
14	a5	508	CLA	CHB-C4A-NA	2.34	127.78	124.40
14	bA	1117	CLA	CHB-C4A-NA	2.34	127.78	124.40
14	c5	516	CLA	CHB-C4A-NA	2.34	127.78	124.40
14	cA	1127	CLA	C1-C2-C3	-2.34	122.36	126.20
14	aA	1140	CLA	CHB-C4A-NA	2.34	127.78	124.40
14	bB	1215	CLA	CHB-C4A-NA	2.34	127.78	124.40
14	cB	1220	CLA	CHB-C4A-NA	2.34	127.78	124.40
14	cB	1228	CLA	CHB-C4A-NA	2.34	127.78	124.40
14	Y	513	CLA	CHB-C4A-NA	2.34	127.78	124.40
14	V	517	CLA	O1A-CGA-CBA	2.34	130.52	123.09
14	a4	506	CLA	CHB-C4A-NA	2.34	127.78	124.40
14	bL	1503	CLA	CHB-C4A-NA	2.34	127.78	124.40
18	aA	5003	LHG	C20-C19-C18	-2.34	102.54	114.37
14	o	503	CLA	C1-C2-C3	-2.34	122.36	126.20
17	aF	4015	BCR	C15-C16-C17	-2.34	118.73	123.52
17	Z	524	BCR	C23-C24-C25	-2.34	120.75	127.00
14	a5	506	CLA	C3B-C4B-NB	-2.34	108.44	110.53
14	bB	1222	CLA	CHB-C4A-NA	2.34	127.78	124.40
14	b4	506	CLA	CHB-C4A-NA	2.34	127.78	124.40
14	k	516	CLA	CHB-C4A-NA	2.34	127.78	124.40
18	bA	5001	LHG	C18-C17-C16	-2.34	102.54	114.37
14	c2	519	CLA	C1-C2-C3	-2.34	122.98	126.76
14	c3	512	CLA	CHB-C4A-NA	2.34	127.78	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	g	517	CLA	CHB-C4A-NA	2.34	127.78	124.40
14	cB	1222	CLA	CHB-C4A-NA	2.34	127.78	124.40
14	c6	505	CLA	CHB-C4A-NA	2.34	127.78	124.40
14	W	506	CLA	CHB-C4A-NA	2.34	127.78	124.40
14	c4	506	CLA	CHB-C4A-NA	2.34	127.77	124.40
14	bA	1107	CLA	C3B-C4B-NB	-2.34	108.44	110.53
14	Y	512	CLA	CHB-C4A-NA	2.34	127.77	124.40
14	c	505	CLA	CHB-C4A-NA	2.34	127.77	124.40
20	c6	822	SQD	O8-S-C6	2.34	110.48	105.97
17	a2	524	BCR	C28-C27-C26	-2.34	109.89	114.06
14	e	505	CLA	C3B-C4B-NB	-2.34	108.44	110.53
14	m	510	CLA	C3B-C4B-NB	-2.34	108.44	110.53
14	cB	1231	CLA	O2A-CGA-O1A	-2.34	117.78	123.63
14	a4	512	CLA	CHB-C4A-NA	2.34	127.77	124.40
17	a2	521	BCR	C33-C5-C4	2.34	118.58	113.60
17	bJ	4013	BCR	C33-C5-C4	2.34	118.58	113.60
14	c3	506	CLA	CHB-C4A-NA	2.34	127.77	124.40
17	aF	4014	BCR	C10-C11-C12	-2.34	116.43	123.20
14	bB	1012	CLA	C3B-C4B-NB	-2.34	108.44	110.53
17	a3	523	BCR	C28-C27-C26	-2.34	109.89	114.06
14	k	510	CLA	CHB-C4A-NA	2.34	127.77	124.40
14	W	502	CLA	C1-C2-C3	-2.34	122.37	126.20
17	c	524	BCR	C27-C26-C25	-2.33	119.55	122.70
17	c2	523	BCR	C8-C7-C6	-2.33	120.76	127.00
14	c4	510	CLA	CHB-C4A-NA	2.33	127.77	124.40
14	c5	506	CLA	CHB-C4A-NA	2.33	127.77	124.40
14	W	508	CLA	CHB-C4A-NA	2.33	127.77	124.40
14	f	516	CLA	CHB-C4A-NA	2.33	127.77	124.40
17	Z	524	BCR	C15-C16-C17	-2.33	118.74	123.52
17	bA	4003	BCR	C15-C16-C17	-2.33	118.75	123.52
14	bB	1220	CLA	CHB-C4A-NA	2.33	127.77	124.40
14	cL	1503	CLA	CHB-C4A-NA	2.33	127.77	124.40
14	g	506	CLA	CHB-C4A-NA	2.33	127.77	124.40
14	a2	510	CLA	C1-C2-C3	-2.33	122.38	126.20
17	Z	522	BCR	C15-C16-C17	-2.33	118.75	123.52
14	b4	513	CLA	CHB-C4A-NA	2.33	127.77	124.40
14	cA	1104	CLA	CHB-C4A-NA	2.33	127.77	124.40
14	bB	1215	CLA	C3B-C4B-NB	-2.33	108.45	110.53
14	Z	505	CLA	C3B-C4B-NB	-2.33	108.45	110.53
17	i	523	BCR	C15-C16-C17	-2.33	118.75	123.52
14	c1	506	CLA	CMB-C2B-C1B	-2.33	121.87	125.42
17	T	522	BCR	C23-C24-C25	-2.33	120.77	127.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	h	504	CLA	CHB-C4A-NA	2.33	127.77	124.40
17	U	524	BCR	C11-C12-C13	-2.33	119.97	126.36
17	g	522	BCR	C11-C12-C13	-2.33	119.97	126.36
17	a1	522	BCR	C38-C26-C27	2.33	118.57	113.60
20	c	822	SQD	O48-C23-C24	2.33	118.94	111.83
14	bA	1104	CLA	CHB-C4A-NA	2.33	127.76	124.40
14	e	513	CLA	CHB-C4A-NA	2.33	127.76	124.40
14	g	512	CLA	CHB-C4A-NA	2.33	127.76	124.40
14	m	510	CLA	CHB-C4A-NA	2.33	127.76	124.40
14	p	510	CLA	CHB-C4A-NA	2.33	127.76	124.40
14	q	503	CLA	O2A-CGA-O1A	-2.33	117.80	123.63
17	b1	521	BCR	C33-C5-C4	2.33	118.56	113.60
14	a6	510	CLA	CHB-C4A-NA	2.33	127.76	124.40
14	b1	519	CLA	CHB-C4A-NA	2.33	127.76	124.40
14	q	513	CLA	CHB-C4A-NA	2.33	127.76	124.40
17	aA	4007	BCR	C3-C4-C5	-2.33	109.90	114.06
17	a1	521	BCR	C33-C5-C4	2.33	118.56	113.60
14	aA	1131	CLA	CHB-C4A-NA	2.33	127.76	124.40
14	a5	519	CLA	CHB-C4A-NA	2.33	127.76	124.40
14	p	505	CLA	CHB-C4A-NA	2.33	127.76	124.40
17	b6	523	BCR	C8-C7-C6	-2.33	120.78	127.00
14	c3	504	CLA	C1-C2-C3	-2.33	122.38	126.20
14	Z	519	CLA	CHB-C4A-NA	2.33	127.76	124.40
17	bA	4007	BCR	C15-C16-C17	-2.33	118.75	123.52
17	X	522	BCR	C8-C7-C6	-2.33	120.78	127.00
14	b1	518	CLA	C1-C2-C3	-2.33	122.38	126.20
17	bJ	4012	BCR	C21-C20-C19	-2.33	116.45	123.20
14	bB	1232	CLA	CHB-C4A-NA	2.33	127.76	124.40
14	b1	513	CLA	CHB-C4A-NA	2.33	127.76	124.40
14	X	506	CLA	CHB-C4A-NA	2.33	127.76	124.40
17	Z	524	BCR	C28-C27-C26	-2.33	109.91	114.06
14	aB	1220	CLA	C1-C2-C3	-2.33	123.00	126.76
14	aA	1124	CLA	CHB-C4A-NA	2.33	127.76	124.40
14	bB	1204	CLA	CHB-C4A-NA	2.33	127.76	124.40
14	e	506	CLA	CHB-C4A-NA	2.33	127.76	124.40
14	j	501	CLA	C3B-C4B-NB	-2.33	108.45	110.53
14	h	509	CLA	O2A-CGA-O1A	-2.33	117.81	123.63
14	c4	506	CLA	C3B-C4B-NB	-2.33	108.45	110.53
14	bA	1103	CLA	O2A-CGA-O1A	-2.33	117.81	123.63
17	b5	524	BCR	C11-C12-C13	-2.33	119.99	126.36
17	b3	521	BCR	C33-C5-C4	2.32	118.55	113.60
17	X	524	BCR	C15-C16-C17	-2.32	118.76	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	aB	1236	CLA	CHB-C4A-NA	2.32	127.75	124.40
14	bA	1120	CLA	CHB-C4A-NA	2.32	127.75	124.40
14	i	513	CLA	CHB-C4A-NA	2.32	127.75	124.40
17	a6	522	BCR	C8-C7-C6	-2.32	120.79	127.00
20	b5	822	SQD	O48-C23-C24	2.32	118.21	111.15
17	cF	4014	BCR	C33-C5-C4	2.32	118.55	113.60
14	bA	1126	CLA	C3B-C4B-NB	-2.32	108.45	110.53
14	e	510	CLA	C3B-C4B-NB	-2.32	108.45	110.53
17	cA	4007	BCR	C8-C7-C6	-2.32	120.79	127.00
14	b2	501	CLA	C1-C2-C3	-2.32	122.39	126.20
14	c4	505	CLA	CHB-C4A-NA	2.32	127.75	124.40
17	b	522	BCR	C33-C5-C4	2.32	118.55	113.60
14	X	509	CLA	O2A-CGA-O1A	-2.32	117.81	123.63
17	bF	4016	BCR	C11-C12-C13	-2.32	119.99	126.36
14	a2	506	CLA	CMB-C2B-C1B	-2.32	121.88	125.42
17	b2	522	BCR	C23-C24-C25	-2.32	120.79	127.00
17	aA	4011	BCR	C34-C9-C10	-2.32	119.05	122.82
21	aB	5002	LMG	C38-C37-C36	-2.32	102.62	114.37
17	b6	523	BCR	C33-C5-C4	2.32	118.55	113.60
17	S	524	BCR	C15-C16-C17	-2.32	118.77	123.52
14	c5	510	CLA	CHB-C4A-NA	2.32	127.75	124.40
17	j	521	BCR	C11-C12-C13	-2.32	120.00	126.36
14	bA	1131	CLA	CHB-C4A-NA	2.32	127.75	124.40
14	c6	512	CLA	CHB-C4A-NA	2.32	127.75	124.40
14	o	510	CLA	CHB-C4A-NA	2.32	127.75	124.40
14	c1	502	CLA	C1-C2-C3	-2.32	122.39	126.20
17	S	522	BCR	C38-C26-C27	2.32	118.55	113.60
17	cB	4006	BCR	C37-C22-C21	-2.32	119.06	122.82
14	X	505	CLA	CHB-C4A-NA	2.32	127.75	124.40
17	p	521	BCR	C29-C30-C25	2.32	113.81	110.44
20	W	822	SQD	O6-C1-C2	2.32	111.80	108.27
17	f	524	BCR	C4-C5-C6	-2.32	119.57	122.70
14	U	512	CLA	CHB-C4A-NA	2.32	127.75	124.40
14	V	506	CLA	CHB-C4A-NA	2.32	127.75	124.40
14	Z	510	CLA	CHB-C4A-NA	2.32	127.75	124.40
14	e	519	CLA	CHB-C4A-NA	2.32	127.75	124.40
14	l	510	CLA	CHB-C4A-NA	2.32	127.75	124.40
14	cA	1117	CLA	CHB-C4A-NA	2.32	127.75	124.40
14	cB	1204	CLA	CHB-C4A-NA	2.32	127.75	124.40
14	cB	1239	CLA	CHB-C4A-NA	2.32	127.75	124.40
17	Y	523	BCR	C23-C24-C25	-2.32	120.80	127.00
17	l	523	BCR	C15-C16-C17	-2.32	118.77	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	aB	4004	BCR	C8-C7-C6	-2.32	120.80	127.00
18	cA	5003	LHG	C11-C10-C9	-2.32	102.64	114.37
14	Z	513	CLA	CHB-C4A-NA	2.32	127.75	124.40
14	a6	510	CLA	C1-C2-C3	-2.32	122.40	126.20
14	g	505	CLA	C1-C2-C3	-2.32	122.40	126.20
14	b4	509	CLA	O2A-CGA-O1A	-2.32	117.83	123.63
14	W	516	CLA	CHB-C4A-NA	2.32	127.75	124.40
17	b3	521	BCR	C29-C30-C25	2.32	113.81	110.44
17	Y	524	BCR	C15-C16-C17	-2.32	118.78	123.52
14	S	505	CLA	CHB-C4A-NA	2.32	127.75	124.40
14	a	510	CLA	CHB-C4A-NA	2.32	127.75	124.40
14	p	516	CLA	CHB-C4A-NA	2.32	127.75	124.40
17	f	523	BCR	C33-C5-C4	2.32	118.54	113.60
14	n	505	CLA	C1-C2-C3	-2.32	122.40	126.20
14	T	513	CLA	CHB-C4A-NA	2.32	127.74	124.40
14	n	517	CLA	CHB-C4A-NA	2.32	127.74	124.40
17	c2	523	BCR	C23-C24-C25	-2.32	120.81	127.00
17	a2	522	BCR	C21-C20-C19	-2.32	116.49	123.20
14	aA	1013	CLA	O2A-CGA-O1A	-2.32	117.83	123.63
14	aB	1206	CLA	CHB-C4A-NA	2.32	127.74	124.40
14	U	506	CLA	CHB-C4A-NA	2.32	127.74	124.40
14	V	508	CLA	CHB-C4A-NA	2.32	127.74	124.40
17	a6	523	BCR	C16-C15-C14	-2.32	118.78	123.52
14	bB	1206	CLA	CHB-C4A-NA	2.32	127.74	124.40
14	bB	1234	CLA	C1-C2-C3	-2.32	122.40	126.20
20	c4	822	SQD	O8-S-C6	2.32	110.44	105.97
14	a2	506	CLA	CHB-C4A-NA	2.31	127.74	124.40
14	cA	1108	CLA	CHB-C4A-NA	2.31	127.74	124.40
14	n	506	CLA	C3B-C4B-NB	-2.31	108.46	110.53
17	c2	523	BCR	C27-C26-C25	-2.31	119.58	122.70
17	a3	524	BCR	C11-C12-C13	-2.31	120.02	126.36
14	aA	1117	CLA	CHB-C4A-NA	2.31	127.74	124.40
14	c2	513	CLA	CHB-C4A-NA	2.31	127.74	124.40
14	aA	1130	CLA	CMB-C2B-C1B	-2.31	121.90	125.42
14	bA	1013	CLA	CMB-C2B-C1B	-2.31	121.90	125.42
17	bA	4008	BCR	C10-C11-C12	-2.31	116.50	123.20
17	c4	523	BCR	C33-C5-C4	2.31	118.53	113.60
14	cB	1230	CLA	C1-C2-C3	-2.31	122.41	126.20
14	aB	1229	CLA	CHB-C4A-NA	2.31	127.74	124.40
17	a4	523	BCR	C28-C27-C26	-2.31	109.93	114.06
18	cX	4021	LHG	C11-C10-C9	-2.31	102.68	114.37
14	b2	506	CLA	C3B-C4B-NB	-2.31	108.47	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	cJ	1302	CLA	O2A-CGA-O1A	-2.31	117.84	123.63
17	k	524	BCR	C4-C5-C6	-2.31	119.58	122.70
14	aB	1215	CLA	CHB-C4A-NA	2.31	127.74	124.40
14	bB	1239	CLA	CHB-C4A-NA	2.31	127.74	124.40
14	b2	505	CLA	CHB-C4A-NA	2.31	127.74	124.40
14	i	505	CLA	CHB-C4A-NA	2.31	127.74	124.40
17	aM	4021	BCR	C8-C7-C6	-2.31	120.82	127.00
14	bB	1225	CLA	CHB-C4A-NA	2.31	127.73	124.40
14	c2	506	CLA	CMB-C2B-C1B	-2.31	121.90	125.42
14	a5	506	CLA	CHB-C4A-NA	2.31	127.73	124.40
14	X	513	CLA	CHB-C4A-NA	2.31	127.73	124.40
14	cA	1130	CLA	C1-C2-C3	-2.31	122.41	126.20
17	j	523	BCR	C15-C16-C17	-2.31	118.79	123.52
14	V	505	CLA	CHB-C4A-NA	2.31	127.73	124.40
14	c2	502	CLA	C1-C2-C3	-2.31	122.41	126.20
14	n	516	CLA	CHB-C4A-NA	2.31	127.73	124.40
17	cB	4006	BCR	C15-C16-C17	-2.31	118.80	123.52
14	n	505	CLA	CHB-C4A-NA	2.31	127.73	124.40
17	aB	4009	BCR	C27-C26-C25	-2.31	119.58	122.70
14	aA	1128	CLA	O2D-CGD-CBD	2.31	115.27	111.23
14	c3	505	CLA	C1-C2-C3	-2.31	122.42	126.20
14	j	505	CLA	C3B-C4B-NB	-2.31	108.47	110.53
14	aA	1105	CLA	C1-C2-C3	-2.31	122.42	126.20
14	bB	1208	CLA	CHB-C4A-NA	2.31	127.73	124.40
20	f	822	SQD	O6-C1-C2	2.31	111.78	108.27
17	i	522	BCR	C11-C12-C13	-2.31	120.04	126.36
17	a1	523	BCR	C23-C24-C25	-2.31	120.84	127.00
14	a6	513	CLA	CHB-C4A-NA	2.31	127.73	124.40
14	b6	513	CLA	CHB-C4A-NA	2.31	127.73	124.40
17	a	524	BCR	C28-C27-C26	-2.30	109.95	114.06
20	p	822	SQD	C44-O6-C1	2.30	118.74	113.80
14	a4	505	CLA	CHB-C4A-NA	2.30	127.72	124.40
14	a5	506	CLA	CMB-C2B-C1B	-2.30	121.91	125.42
14	S	507	CLA	C3B-C4B-NB	-2.30	108.47	110.53
14	k	505	CLA	C3B-C4B-NB	-2.30	108.47	110.53
14	cF	1301	CLA	CHB-C4A-NA	2.30	127.72	124.40
14	cL	1501	CLA	C1-C2-C3	-2.30	122.42	126.20
18	cA	5001	LHG	C18-C17-C16	-2.30	102.73	114.37
14	V	507	CLA	C3B-C4B-NB	-2.30	108.47	110.53
17	c1	524	BCR	C15-C16-C17	-2.30	118.81	123.52
20	g	822	SQD	O5-C5-C4	2.30	113.85	109.70
14	a6	505	CLA	CHB-C4A-NA	2.30	127.72	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	c6	513	CLA	CHB-C4A-NA	2.30	127.72	124.40
14	c1	501	CLA	C1-C2-C3	-2.30	122.43	126.20
14	V	513	CLA	CHB-C4A-NA	2.30	127.72	124.40
14	b2	510	CLA	CMB-C2B-C1B	-2.30	121.92	125.42
14	bB	1235	CLA	C1-C2-C3	-2.30	122.43	126.20
17	aB	4009	BCR	C38-C26-C27	2.30	118.50	113.60
14	aA	1136	CLA	CHB-C4A-NA	2.30	127.72	124.40
14	b1	502	CLA	C1-C2-C3	-2.30	122.43	126.20
20	aB	1852	SQD	O6-C1-C2	2.30	111.77	108.27
14	aA	1113	CLA	C1-C2-C3	-2.30	123.04	126.76
17	Y	524	BCR	C23-C24-C25	-2.30	120.86	127.00
17	aB	4006	BCR	C37-C22-C21	-2.30	119.09	122.82
17	cA	4011	BCR	C34-C9-C10	-2.30	119.09	122.82
14	bB	1229	CLA	CHB-C4A-NA	2.30	127.72	124.40
14	a3	506	CLA	CHB-C4A-NA	2.30	127.72	124.40
14	aB	1012	CLA	C3B-C4B-NB	-2.30	108.48	110.53
17	b6	524	BCR	C28-C27-C26	-2.30	109.96	114.06
14	cB	1223	CLA	CMB-C2B-C1B	-2.30	121.92	125.42
17	a4	521	BCR	C11-C12-C13	-2.30	120.07	126.36
14	a5	505	CLA	CHB-C4A-NA	2.30	127.71	124.40
20	aB	1852	SQD	O8-S-C6	2.30	110.41	105.97
17	c6	523	BCR	C28-C27-C26	-2.30	109.96	114.06
17	l	522	BCR	C15-C16-C17	-2.30	118.82	123.52
14	k	510	CLA	CMB-C2B-C1B	-2.30	121.92	125.42
14	aA	1103	CLA	O2A-CGA-O1A	-2.30	117.89	123.63
14	o	512	CLA	CHB-C4A-NA	2.30	127.71	124.40
17	cB	4017	BCR	C10-C11-C12	-2.30	116.55	123.20
20	b5	822	SQD	O6-C1-C2	2.30	111.76	108.27
21	cB	5002	LMG	C40-C39-C38	-2.30	102.77	114.37
14	p	509	CLA	O2A-CGA-O1A	-2.30	117.89	123.63
14	b1	506	CLA	CHB-C4A-NA	2.30	127.71	124.40
17	h	523	BCR	C15-C16-C17	-2.30	118.82	123.52
14	b3	518	CLA	C1-C2-C3	-2.29	122.44	126.20
14	aB	1231	CLA	O2A-CGA-O1A	-2.29	117.89	123.63
21	bB	5002	LMG	O3-C3-C2	-2.29	104.97	110.38
14	aA	1108	CLA	CHB-C4A-NA	2.29	127.71	124.40
14	a1	506	CLA	CHB-C4A-NA	2.29	127.71	124.40
14	W	505	CLA	CHB-C4A-NA	2.29	127.71	124.40
14	cA	1111	CLA	C1-C2-C3	-2.29	122.44	126.20
14	e	510	CLA	CMB-C2B-C1B	-2.29	121.93	125.42
14	bA	1136	CLA	CHB-C4A-NA	2.29	127.71	124.40
14	cB	1225	CLA	CHB-C4A-NA	2.29	127.71	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	cL	4022	BCR	C15-C16-C17	-2.29	118.83	123.52
17	d	524	BCR	C15-C16-C17	-2.29	118.83	123.52
14	bA	1117	CLA	C1-C2-C3	-2.29	122.44	126.20
17	g	524	BCR	C15-C16-C17	-2.29	118.83	123.52
14	n	506	CLA	CHB-C4A-NA	2.29	127.71	124.40
14	bB	1231	CLA	O2A-CGA-O1A	-2.29	117.89	123.63
14	aB	1228	CLA	CHB-C4A-NA	2.29	127.71	124.40
20	b2	822	SQD	O47-C7-O49	-2.29	118.35	123.70
14	d	508	CLA	CMB-C2B-C1B	-2.29	121.93	125.42
17	i	523	BCR	C38-C26-C27	2.29	118.48	113.60
17	bB	4004	BCR	C8-C7-C6	-2.29	120.88	127.00
17	o	521	BCR	C20-C19-C18	-2.29	120.08	126.36
14	m	505	CLA	CHB-C4A-NA	2.29	127.70	124.40
14	Y	518	CLA	C1-C2-C3	-2.29	122.44	126.20
14	Z	502	CLA	C1-C2-C3	-2.29	122.44	126.20
14	b1	506	CLA	C3B-C4B-NB	-2.29	108.49	110.53
14	c1	513	CLA	CHB-C4A-NA	2.29	127.70	124.40
14	o	519	CLA	CHB-C4A-NA	2.29	127.70	124.40
18	aX	4021	LHG	C18-C17-C16	-2.29	102.80	114.37
14	bA	1139	CLA	C1-C2-C3	-2.29	122.45	126.20
14	S	510	CLA	CMB-C2B-C1B	-2.29	121.93	125.42
14	cA	1013	CLA	O2A-CGA-O1A	-2.29	117.90	123.63
17	b4	524	BCR	C28-C27-C26	-2.29	109.97	114.06
14	a3	501	CLA	C1-C2-C3	-2.29	122.45	126.20
14	c5	513	CLA	CHB-C4A-NA	2.29	127.70	124.40
14	h	507	CLA	CHB-C4A-NA	2.29	127.70	124.40
14	c	506	CLA	C3B-C4B-NB	-2.29	108.49	110.53
14	a	505	CLA	CHB-C4A-NA	2.29	127.70	124.40
14	k	517	CLA	CHB-C4A-NA	2.29	127.70	124.40
14	cB	1214	CLA	CMB-C2B-C1B	-2.29	121.94	125.42
17	Y	524	BCR	C4-C5-C6	-2.29	119.61	122.70
17	b2	522	BCR	C38-C26-C27	2.29	118.47	113.60
14	aB	1234	CLA	C1-C2-C3	-2.29	122.45	126.20
14	cB	1231	CLA	C1-C2-C3	-2.29	122.45	126.20
14	q	505	CLA	C3B-C4B-NB	-2.29	108.49	110.53
14	cA	1131	CLA	CHB-C4A-NA	2.29	127.70	124.40
14	b5	511	CLA	C1-C2-C3	-2.29	123.06	126.76
20	b2	822	SQD	O8-S-C6	2.29	110.39	105.97
20	a4	822	SQD	O8-S-C6	2.28	110.38	105.97
17	l	522	BCR	C29-C30-C25	2.28	113.76	110.44
14	aB	1225	CLA	CHB-C4A-NA	2.28	127.70	124.40
14	b5	505	CLA	CHB-C4A-NA	2.28	127.70	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	bA	1128	CLA	O2D-CGD-CBD	2.28	115.22	111.23
17	V	524	BCR	C4-C5-C6	-2.28	119.62	122.70
14	aB	1219	CLA	CMB-C2B-C1B	-2.28	121.94	125.42
14	p	507	CLA	C3B-C4B-NB	-2.28	108.49	110.53
20	a1	822	SQD	O8-S-C6	2.28	110.38	105.97
14	a6	506	CLA	CHB-C4A-NA	2.28	127.69	124.40
14	Y	509	CLA	CMB-C2B-C1B	-2.28	121.94	125.42
20	T	822	SQD	C44-O6-C1	2.28	118.69	113.80
14	b5	505	CLA	C1-C2-C3	-2.28	122.46	126.20
17	aB	4017	BCR	C20-C19-C18	-2.28	120.11	126.36
17	bA	4008	BCR	C20-C19-C18	-2.28	120.11	126.36
14	W	507	CLA	C3B-C4B-NB	-2.28	108.49	110.53
17	a4	521	BCR	C29-C30-C25	2.28	113.75	110.44
17	a4	524	BCR	C28-C27-C26	-2.28	109.99	114.06
20	h	822	SQD	O8-S-C6	2.28	110.38	105.97
14	aA	1123	CLA	CMB-C2B-C1B	-2.28	121.95	125.42
14	cA	1103	CLA	O2A-CGA-O1A	-2.28	117.92	123.63
14	cB	1236	CLA	CHB-C4A-NA	2.28	127.69	124.40
17	a3	524	BCR	C23-C24-C25	-2.28	120.91	127.00
17	o	521	BCR	C38-C26-C27	2.28	118.45	113.60
14	bA	1108	CLA	CHB-C4A-NA	2.28	127.69	124.40
17	bK	4001	BCR	C35-C13-C12	2.28	121.57	118.09
14	bA	1801	CLA	CHB-C4A-NA	2.28	127.69	124.40
14	b1	505	CLA	CHB-C4A-NA	2.28	127.69	124.40
17	c4	524	BCR	C28-C27-C26	-2.28	109.99	114.06
17	bA	4011	BCR	C34-C9-C10	-2.28	119.13	122.82
17	bB	4017	BCR	C20-C19-C18	-2.28	120.12	126.36
14	l	507	CLA	C3B-C4B-NB	-2.28	108.50	110.53
14	l	505	CLA	CHB-C4A-NA	2.28	127.69	124.40
14	bB	1219	CLA	CMB-C2B-C1B	-2.28	121.95	125.42
17	o	524	BCR	C11-C12-C13	-2.28	120.12	126.36
17	cB	4004	BCR	C8-C7-C6	-2.28	120.92	127.00
17	q	524	BCR	C15-C16-C17	-2.28	118.86	123.52
14	b5	502	CLA	C1-C2-C3	-2.28	122.47	126.20
17	aB	4017	BCR	C33-C5-C4	2.28	118.45	113.60
14	c4	518	CLA	C1-C2-C3	-2.28	122.47	126.20
17	cA	4008	BCR	C20-C19-C18	-2.28	120.12	126.36
14	f	505	CLA	C3B-C4B-NB	-2.28	108.50	110.53
14	bA	1128	CLA	CMB-C2B-C1B	-2.27	121.96	125.42
14	cB	1206	CLA	CHB-C4A-NA	2.27	127.68	124.40
14	T	505	CLA	CHB-C4A-NA	2.27	127.68	124.40
14	k	513	CLA	CHB-C4A-NA	2.27	127.68	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	c4	523	BCR	C23-C24-C25	-2.27	120.92	127.00
17	Y	522	BCR	C23-C24-C25	-2.27	120.93	127.00
14	aA	1801	CLA	CHB-C4A-NA	2.27	127.68	124.40
14	bA	1013	CLA	CHB-C4A-NA	2.27	127.68	124.40
14	c	507	CLA	C3B-C4B-NB	-2.27	108.50	110.53
17	V	521	BCR	C29-C30-C25	2.27	113.74	110.44
14	k	519	CLA	CMB-C2B-C1B	-2.27	121.96	125.42
14	b4	509	CLA	C1-C2-C3	-2.27	122.47	126.20
14	b6	505	CLA	CHB-C4A-NA	2.27	127.68	124.40
17	aF	4016	BCR	C38-C26-C27	2.27	118.44	113.60
17	bM	4021	BCR	C33-C5-C4	2.27	118.44	113.60
17	U	524	BCR	C38-C26-C27	2.27	118.44	113.60
17	m	524	BCR	C23-C24-C25	-2.27	120.93	127.00
14	bB	1236	CLA	CHB-C4A-NA	2.27	127.68	124.40
14	bA	1111	CLA	C1-C2-C3	-2.27	122.48	126.20
14	b2	518	CLA	C1-C2-C3	-2.27	122.48	126.20
17	j	523	BCR	C28-C27-C26	-2.27	110.01	114.06
14	Z	505	CLA	CHB-C4A-NA	2.27	127.68	124.40
21	aJ	5104	LMG	O1-C7-C8	-2.27	105.30	110.82
14	a3	510	CLA	CMB-C2B-C1B	-2.27	121.96	125.42
14	bA	1013	CLA	O2A-CGA-O1A	-2.27	117.95	123.63
17	bB	4009	BCR	C30-C25-C26	-2.27	119.53	122.64
17	a	524	BCR	C11-C12-C13	-2.27	120.14	126.36
14	aA	1117	CLA	C1-C2-C3	-2.27	122.48	126.20
17	S	524	BCR	C11-C12-C13	-2.27	120.14	126.36
17	bI	4018	BCR	C38-C26-C25	-2.27	122.01	124.48
14	cB	1219	CLA	CMB-C2B-C1B	-2.27	121.96	125.42
14	aL	1503	CLA	C1-C2-C3	-2.27	122.48	126.20
14	cB	1234	CLA	C1-C2-C3	-2.27	122.48	126.20
14	c3	502	CLA	C1-C2-C3	-2.27	122.48	126.20
14	bA	1128	CLA	CHB-C4A-NA	2.27	127.67	124.40
14	h	505	CLA	CHB-C4A-NA	2.27	127.67	124.40
17	m	524	BCR	C38-C26-C27	2.27	118.43	113.60
17	cA	4008	BCR	C10-C11-C12	-2.27	116.63	123.20
17	n	523	BCR	C33-C5-C4	2.27	118.43	113.60
17	aA	4011	BCR	C16-C15-C14	-2.27	118.88	123.52
17	c5	524	BCR	C15-C16-C17	-2.27	118.88	123.52
17	p	522	BCR	C38-C26-C27	2.27	118.43	113.60
17	aB	4009	BCR	C20-C19-C18	-2.27	120.15	126.36
14	cB	1215	CLA	CHB-C4A-NA	2.27	127.67	124.40
18	cA	5005	LHG	C27-C26-C25	-2.27	102.92	114.37
17	f	523	BCR	C10-C11-C12	-2.27	116.64	123.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	m	505	CLA	C1-C2-C3	-2.27	122.48	126.20
17	aF	4016	BCR	C33-C5-C4	2.27	118.43	113.60
17	a5	521	BCR	C33-C5-C4	2.27	118.43	113.60
14	e	505	CLA	CHB-C4A-NA	2.27	127.67	124.40
17	k	523	BCR	C8-C7-C6	-2.27	120.95	127.00
20	c3	822	SQD	O6-C1-C2	2.27	111.71	108.27
17	g	524	BCR	C23-C24-C25	-2.26	120.95	127.00
17	q	523	BCR	C23-C24-C25	-2.26	120.95	127.00
14	Y	505	CLA	CHB-C4A-NA	2.26	127.67	124.40
17	a4	521	BCR	C8-C7-C6	-2.26	120.95	127.00
17	aA	4011	BCR	C38-C26-C27	2.26	118.42	113.60
17	h	524	BCR	C28-C27-C26	-2.26	110.02	114.06
14	bB	1228	CLA	CHB-C4A-NA	2.26	127.67	124.40
14	b2	513	CLA	CHB-C4A-NA	2.26	127.67	124.40
14	cA	1801	CLA	CHB-C4A-NA	2.26	127.67	124.40
17	c4	524	BCR	C23-C24-C25	-2.26	120.95	127.00
20	bB	1852	SQD	O8-S-C6	2.26	110.34	105.97
14	cA	1139	CLA	C1-C2-C3	-2.26	122.49	126.20
14	p	509	CLA	C1-C2-C3	-2.26	122.49	126.20
17	b3	524	BCR	C23-C24-C25	-2.26	120.95	127.00
17	n	521	BCR	C33-C5-C4	2.26	118.42	113.60
14	c6	507	CLA	C3B-C4B-NB	-2.26	108.51	110.53
17	X	524	BCR	C4-C5-C6	-2.26	119.65	122.70
17	c5	524	BCR	C11-C12-C13	-2.26	120.16	126.36
14	aA	1111	CLA	C1-C2-C3	-2.26	122.49	126.20
14	m	516	CLA	CHB-C4A-NA	2.26	127.66	124.40
17	Y	523	BCR	C15-C16-C17	-2.26	118.89	123.52
17	c2	524	BCR	C11-C12-C13	-2.26	120.16	126.36
17	Z	523	BCR	C23-C24-C25	-2.26	120.96	127.00
17	c6	524	BCR	C38-C26-C27	2.26	118.42	113.60
14	a	519	CLA	CHB-C4A-NA	2.26	127.66	124.40
17	b3	523	BCR	C28-C27-C26	-2.26	110.03	114.06
14	aB	1239	CLA	C1-C2-C3	-2.26	122.49	126.20
17	c	524	BCR	C11-C12-C13	-2.26	120.17	126.36
14	bA	1106	CLA	O2A-CGA-O1A	-2.26	117.97	123.63
14	c6	506	CLA	CMB-C2B-C1B	-2.26	121.98	125.42
14	cA	1139	CLA	CHB-C4A-NA	2.26	127.66	124.40
17	g	521	BCR	C20-C19-C18	-2.26	120.17	126.36
14	e	516	CLA	O2D-CGD-CBD	2.26	115.18	111.23
14	cA	1013	CLA	CMB-C2B-C1B	-2.26	121.98	125.42
20	b1	822	SQD	O8-S-C6	2.26	110.33	105.97
17	bB	4017	BCR	C10-C11-C12	-2.26	116.66	123.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	cA	1128	CLA	CHB-C4A-NA	2.26	127.66	124.40
14	d	509	CLA	O2A-CGA-O1A	-2.26	117.98	123.63
17	a2	523	BCR	C15-C16-C17	-2.26	118.90	123.52
14	bB	1231	CLA	C1-C2-C3	-2.26	122.50	126.20
14	b3	505	CLA	CHB-C4A-NA	2.26	127.66	124.40
17	p	521	BCR	C33-C5-C4	2.26	118.41	113.60
20	q	822	SQD	O5-C5-C4	2.26	113.77	109.70
17	aB	4010	BCR	C38-C26-C27	2.26	118.41	113.60
14	cA	1112	CLA	O2A-CGA-O1A	-2.26	117.98	123.63
14	aB	1211	CLA	C1-C2-C3	-2.26	122.50	126.20
17	S	523	BCR	C20-C19-C18	-2.26	120.18	126.36
17	a6	521	BCR	C29-C30-C25	2.26	113.72	110.44
14	n	510	CLA	C3B-C4B-NB	-2.25	108.52	110.53
14	c4	508	CLA	CMB-C2B-C1B	-2.25	121.99	125.42
17	cB	4017	BCR	C20-C19-C18	-2.25	120.18	126.36
14	bA	1130	CLA	C1-C2-C3	-2.25	122.50	126.20
14	cB	1226	CLA	CMB-C2B-C1B	-2.25	121.99	125.42
17	bB	4010	BCR	C38-C26-C27	2.25	118.40	113.60
14	aA	1139	CLA	CHB-C4A-NA	2.25	127.65	124.40
14	b4	504	CLA	CHB-C4A-NA	2.25	127.65	124.40
14	a2	509	CLA	O2A-CGA-O1A	-2.25	117.99	123.63
14	aA	1106	CLA	O2A-CGA-O1A	-2.25	117.99	123.63
14	a2	518	CLA	C1-C2-C3	-2.25	122.51	126.20
17	a6	524	BCR	C1-C6-C5	-2.25	119.56	122.64
17	aJ	4012	BCR	C11-C12-C13	-2.25	120.19	126.36
14	a4	513	CLA	C1-C2-C3	-2.25	123.12	126.76
14	j	509	CLA	O2A-CGA-O1A	-2.25	118.00	123.63
20	c2	822	SQD	O8-S-C6	2.25	110.32	105.97
14	q	505	CLA	CHB-C4A-NA	2.25	127.65	124.40
17	j	524	BCR	C4-C5-C6	-2.25	119.66	122.70
17	a5	522	BCR	C8-C7-C6	-2.25	120.99	127.00
17	cF	4016	BCR	C33-C5-C4	2.25	118.39	113.60
14	bA	1113	CLA	CMB-C2B-C1B	-2.25	121.99	125.42
14	cA	1113	CLA	CMB-C2B-C1B	-2.25	121.99	125.42
20	b5	822	SQD	O8-S-C6	2.25	110.31	105.97
21	b2	5104	LMG	O1-C7-C8	-2.25	105.35	110.82
14	bA	1139	CLA	CHB-C4A-NA	2.25	127.64	124.40
14	g	505	CLA	CHB-C4A-NA	2.25	127.64	124.40
21	a2	5104	LMG	O3-C3-C2	-2.25	105.08	110.38
17	b6	522	BCR	C8-C7-C6	-2.25	120.99	127.00
17	W	524	BCR	C4-C5-C6	-2.25	119.67	122.70
21	cJ	5104	LMG	O1-C7-C8	-2.25	105.35	110.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b4	510	CLA	C1-C2-C3	-2.25	122.51	126.20
17	cJ	4013	BCR	C16-C15-C14	-2.25	118.92	123.52
17	aF	4016	BCR	C11-C12-C13	-2.25	120.20	126.36
14	aA	1126	CLA	CHB-C4A-NA	2.25	127.64	124.40
17	h	524	BCR	C23-C24-C25	-2.25	121.00	127.00
17	c4	524	BCR	C15-C16-C17	-2.25	118.92	123.52
14	T	505	CLA	C1-C2-C3	-2.25	122.52	126.20
14	aA	1128	CLA	CHB-C4A-NA	2.25	127.64	124.40
20	a3	822	SQD	O8-S-C6	2.25	110.31	105.97
17	T	523	BCR	C33-C5-C4	2.25	118.39	113.60
20	Z	822	SQD	O47-C7-C8	2.25	119.18	110.93
20	e	822	SQD	O8-S-C6	2.25	110.31	105.97
21	bB	5002	LMG	O1-C7-C8	-2.24	105.36	110.82
17	q	524	BCR	C4-C5-C6	-2.24	119.67	122.70
14	cB	1224	CLA	CHB-C4A-NA	2.24	127.64	124.40
14	a1	501	CLA	C1-C2-C3	-2.24	122.52	126.20
17	b5	521	BCR	C20-C19-C18	-2.24	120.21	126.36
14	aA	1011	CLA	CHB-C4A-NA	2.24	127.64	124.40
17	o	524	BCR	C15-C16-C17	-2.24	118.93	123.52
18	aA	5002	LHG	O8-C23-C24	2.24	118.67	111.83
17	bB	4009	BCR	C20-C19-C18	-2.24	120.21	126.36
17	c5	521	BCR	C29-C30-C25	2.24	113.70	110.44
14	X	506	CLA	CMB-C2B-C1B	-2.24	122.00	125.42
14	cB	1227	CLA	C1-C2-C3	-2.24	122.52	126.20
14	bB	1224	CLA	CHB-C4A-NA	2.24	127.64	124.40
14	Z	504	CLA	O2A-CGA-O1A	-2.24	118.02	123.63
17	a3	521	BCR	C29-C30-C25	2.24	113.70	110.44
17	aA	4011	BCR	C33-C5-C4	2.24	118.38	113.60
14	c3	511	CLA	C1-C2-C3	-2.24	122.52	126.20
14	S	518	CLA	C1-C2-C3	-2.24	122.52	126.20
17	a5	523	BCR	C15-C16-C17	-2.24	118.93	123.52
14	W	513	CLA	CHB-C4A-NA	2.24	127.64	124.40
17	aB	4017	BCR	C10-C11-C12	-2.24	116.70	123.20
14	bA	1123	CLA	CMB-C2B-C1B	-2.24	122.01	125.42
14	cA	1120	CLA	CMB-C2B-C1B	-2.24	122.01	125.42
14	a2	519	CLA	C1-C2-C3	-2.24	123.14	126.76
17	a6	523	BCR	C33-C5-C4	2.24	118.37	113.60
17	cM	4021	BCR	C38-C26-C27	2.24	118.37	113.60
14	aB	1224	CLA	CHB-C4A-NA	2.24	127.63	124.40
14	a4	510	CLA	CHB-C4A-NA	2.24	127.63	124.40
14	aB	1211	CLA	CMB-C2B-C1B	-2.24	122.01	125.42
17	bF	4016	BCR	C38-C26-C27	2.24	118.37	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	aB	1219	CLA	C1-C2-C3	-2.24	122.53	126.20
20	c	822	SQD	O8-S-C6	2.24	110.30	105.97
20	p	822	SQD	O8-S-C6	2.24	110.30	105.97
14	aB	1222	CLA	C1-C2-C3	-2.24	122.53	126.20
17	bB	4006	BCR	C37-C22-C21	-2.24	119.19	122.82
17	p	522	BCR	C23-C24-C25	-2.24	121.02	127.00
14	V	517	CLA	CHB-C4A-NA	2.24	127.63	124.40
14	Z	513	CLA	C1-C2-C3	-2.24	123.14	126.76
14	bB	1211	CLA	C1-C2-C3	-2.24	122.53	126.20
14	bB	1224	CLA	C1-C2-C3	-2.24	122.53	126.20
18	aA	5005	LHG	C18-C17-C16	-2.24	103.06	114.37
17	g	523	BCR	C15-C16-C17	-2.24	118.94	123.52
20	c5	822	SQD	O8-S-C6	2.24	110.29	105.97
14	f	505	CLA	CAA-C2A-C3A	-2.24	106.95	113.00
18	aX	4021	LHG	C5-O7-C7	-2.24	112.44	117.80
14	aL	1501	CLA	CMB-C2B-C1B	-2.24	122.01	125.42
17	aA	4003	BCR	C15-C16-C17	-2.24	118.94	123.52
17	a6	523	BCR	C8-C7-C6	-2.24	121.02	127.00
20	b6	822	SQD	O8-S-C6	2.24	110.29	105.97
17	p	523	BCR	C11-C12-C13	-2.24	120.23	126.36
14	U	505	CLA	C3B-C4B-NB	-2.24	108.53	110.53
14	m	519	CLA	C3B-C4B-NB	-2.24	108.53	110.53
14	b3	502	CLA	C1-C2-C3	-2.24	122.53	126.20
14	c6	501	CLA	C1-C2-C3	-2.24	122.53	126.20
14	S	513	CLA	CHB-C4A-NA	2.24	127.63	124.40
20	cB	1852	SQD	O8-S-C6	2.24	110.29	105.97
14	cA	1106	CLA	O2A-CGA-O1A	-2.24	118.04	123.63
17	n	524	BCR	C28-C27-C26	-2.24	110.07	114.06
17	S	524	BCR	C27-C26-C25	-2.23	119.68	122.70
14	cA	1013	CLA	CHB-C4A-NA	2.23	127.62	124.40
20	V	822	SQD	O47-C7-O49	-2.23	118.48	123.70
17	aB	4010	BCR	C21-C20-C19	-2.23	116.73	123.20
17	j	521	BCR	C38-C26-C27	2.23	118.36	113.60
17	a5	524	BCR	C23-C24-C25	-2.23	121.03	127.00
14	a4	509	CLA	O2A-CGA-O1A	-2.23	118.04	123.63
17	S	523	BCR	C16-C15-C14	-2.23	118.95	123.52
18	cX	4021	LHG	C27-C26-C25	-2.23	103.08	114.37
17	bB	4006	BCR	C15-C16-C17	-2.23	118.95	123.52
17	bJ	4012	BCR	C15-C16-C17	-2.23	118.95	123.52
14	b	506	CLA	C3B-C4B-NB	-2.23	108.54	110.53
17	c3	524	BCR	C15-C16-C17	-2.23	118.95	123.52
14	bA	1115	CLA	O2A-CGA-O1A	-2.23	118.04	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	bA	1123	CLA	C1-C2-C3	-2.23	122.54	126.20
14	b4	502	CLA	C1-C2-C3	-2.23	122.54	126.20
21	cB	5002	LMG	O3-C3-C2	-2.23	105.11	110.38
14	a	518	CLA	CMB-C2B-C1B	-2.23	122.02	125.42
14	f	513	CLA	CMB-C2B-C1B	-2.23	122.02	125.42
21	bB	5002	LMG	C40-C39-C38	-2.23	103.09	114.37
17	f	521	BCR	C33-C5-C4	2.23	118.35	113.60
17	V	523	BCR	C3-C4-C5	-2.23	110.08	114.06
17	T	522	BCR	C38-C26-C27	2.23	118.35	113.60
14	cB	1023	CLA	C1-C2-C3	-2.23	122.54	126.20
17	q	524	BCR	C23-C24-C25	-2.23	121.04	127.00
14	j	502	CLA	C3B-C4B-NB	-2.23	108.54	110.53
14	a1	516	CLA	O2A-CGA-O1A	-2.23	118.05	123.63
17	b5	523	BCR	C15-C16-C17	-2.23	118.96	123.52
14	a6	506	CLA	CMB-C2B-C1B	-2.23	122.03	125.42
17	l	522	BCR	C20-C19-C18	-2.23	120.25	126.36
21	aB	5002	LMG	C40-C39-C38	-2.23	103.11	114.37
17	a4	521	BCR	C15-C16-C17	-2.23	118.96	123.52
17	b4	523	BCR	C33-C5-C4	2.23	118.35	113.60
17	cB	4005	BCR	C27-C26-C25	-2.23	119.69	122.70
14	bA	1138	CLA	O2A-CGA-O1A	-2.23	118.06	123.63
14	b	508	CLA	CMB-C2B-C1B	-2.23	122.03	125.42
17	V	523	BCR	C23-C24-C25	-2.23	121.05	127.00
14	j	505	CLA	CHB-C4A-NA	2.23	127.61	124.40
17	Y	522	BCR	C38-C26-C27	2.23	118.34	113.60
14	cB	1211	CLA	CMB-C2B-C1B	-2.23	122.03	125.42
17	S	522	BCR	C8-C7-C6	-2.23	121.05	127.00
17	e	524	BCR	C4-C5-C6	-2.23	119.70	122.70
14	a5	504	CLA	C1-C2-C3	-2.23	122.55	126.20
14	cA	1105	CLA	C1-C2-C3	-2.23	122.55	126.20
17	b6	521	BCR	C23-C24-C25	-2.23	121.05	127.00
14	U	516	CLA	CHB-C4A-NA	2.23	127.61	124.40
14	W	505	CLA	CMB-C2B-C1B	-2.23	122.03	125.42
20	a2	822	SQD	O8-S-C6	2.23	110.27	105.97
14	o	505	CLA	CHB-C4A-NA	2.23	127.61	124.40
14	a3	509	CLA	CMB-C2B-C1B	-2.23	122.03	125.42
14	b6	503	CLA	O2A-CGA-O1A	-2.22	118.06	123.63
17	S	523	BCR	C23-C24-C25	-2.22	121.06	127.00
14	b6	507	CLA	C3B-C4B-NB	-2.22	108.54	110.53
14	n	510	CLA	CHB-C4A-NA	2.22	127.61	124.40
20	f	822	SQD	O8-S-C6	2.22	110.27	105.97
14	cA	1116	CLA	C1-C2-C3	-2.22	122.55	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	c6	505	CLA	C1-C2-C3	-2.22	122.55	126.20
14	S	505	CLA	C1-C2-C3	-2.22	122.55	126.20
21	cB	5002	LMG	O1-C7-C8	-2.22	105.41	110.82
17	b1	521	BCR	C15-C16-C17	-2.22	118.97	123.52
17	n	522	BCR	C15-C16-C17	-2.22	118.97	123.52
14	bA	1126	CLA	CHB-C4A-NA	2.22	127.61	124.40
17	U	523	BCR	C23-C24-C25	-2.22	121.06	127.00
14	h	509	CLA	C1-C2-C3	-2.22	122.56	126.20
17	T	524	BCR	C15-C16-C17	-2.22	118.97	123.52
17	cB	4017	BCR	C33-C5-C4	2.22	118.33	113.60
17	cF	4016	BCR	C38-C26-C27	2.22	118.33	113.60
14	bB	1226	CLA	CMB-C2B-C1B	-2.22	122.04	125.42
17	aA	4008	BCR	C10-C11-C12	-2.22	116.77	123.20
14	cB	1219	CLA	C1-C2-C3	-2.22	122.56	126.20
14	W	518	CLA	C1-C2-C3	-2.22	122.56	126.20
17	a4	522	BCR	C11-C12-C13	-2.22	120.28	126.36
17	m	523	BCR	C23-C24-C25	-2.22	121.07	127.00
14	aB	1215	CLA	C1-C2-C3	-2.22	122.56	126.20
17	f	523	BCR	C21-C20-C19	-2.22	116.77	123.20
14	U	505	CLA	CHB-C4A-NA	2.22	127.60	124.40
14	k	505	CLA	CHB-C4A-NA	2.22	127.60	124.40
17	W	521	BCR	C33-C5-C4	2.22	118.33	113.60
14	b5	513	CLA	C1-C2-C3	-2.22	122.56	126.20
20	c1	822	SQD	O6-C1-C2	2.22	111.64	108.27
17	i	523	BCR	C3-C4-C5	-2.22	110.10	114.06
14	cB	1208	CLA	C1-C2-C3	-2.22	122.56	126.20
20	d	822	SQD	O8-S-C6	2.22	110.26	105.97
17	c3	524	BCR	C1-C6-C5	-2.22	119.60	122.64
14	bB	1211	CLA	CMB-C2B-C1B	-2.22	122.04	125.42
17	cA	4002	BCR	C20-C19-C18	-2.22	120.28	126.36
17	d	523	BCR	C33-C5-C6	-2.22	122.06	124.48
17	q	523	BCR	C33-C5-C4	2.22	118.32	113.60
14	d	505	CLA	CHB-C4A-NA	2.22	127.60	124.40
17	W	523	BCR	C11-C12-C13	-2.22	120.28	126.36
14	bA	1011	CLA	O1D-CGD-CBD	2.22	128.89	124.52
14	aA	1013	CLA	CHB-C4A-NA	2.22	127.60	124.40
14	aB	1222	CLA	CMB-C2B-C1B	-2.22	122.04	125.42
14	bB	1012	CLA	CMB-C2B-C1B	-2.22	122.04	125.42
14	X	504	CLA	O2A-CGA-O1A	-2.22	118.08	123.63
17	cK	4001	BCR	C21-C20-C19	-2.22	116.78	123.20
14	W	509	CLA	O2A-CGA-O1A	-2.22	118.09	123.63
17	k	522	BCR	C11-C12-C13	-2.22	120.29	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	a4	521	BCR	C35-C13-C14	-2.22	119.23	122.82
14	m	508	CLA	CMB-C2B-C1B	-2.22	122.05	125.42
14	aA	1130	CLA	C1-C2-C3	-2.21	122.57	126.20
14	c2	507	CLA	C1-C2-C3	-2.21	122.57	126.20
14	c	510	CLA	C1-C2-C3	-2.21	122.57	126.20
21	c1	5104	LMG	O3-C3-C2	-2.21	105.16	110.38
20	b3	822	SQD	C4-C3-C2	2.21	114.72	110.83
17	b1	524	BCR	C23-C24-C25	-2.21	121.08	127.00
14	b	509	CLA	O2A-CGA-O1A	-2.21	118.09	123.63
14	a4	519	CLA	C1-C2-C3	-2.21	122.57	126.20
18	aA	5001	LHG	C18-C17-C16	-2.21	103.17	114.37
14	b5	507	CLA	O2A-CGA-O1A	-2.21	118.09	123.63
17	b4	521	BCR	C29-C30-C25	2.21	113.65	110.44
14	q	510	CLA	CMB-C2B-C1B	-2.21	122.05	125.42
17	a3	524	BCR	C15-C16-C17	-2.21	118.99	123.52
17	U	521	BCR	C20-C19-C18	-2.21	120.30	126.36
14	a5	501	CLA	C1-C2-C3	-2.21	122.57	126.20
17	a1	524	BCR	C15-C16-C17	-2.21	118.99	123.52
17	a4	524	BCR	C15-C16-C17	-2.21	118.99	123.52
18	bX	4021	LHG	C27-C26-C25	-2.21	103.19	114.37
17	aI	4020	BCR	C37-C22-C21	-2.21	119.23	122.82
17	cA	4011	BCR	C33-C5-C4	2.21	118.31	113.60
14	aB	1235	CLA	O2A-CGA-O1A	-2.21	118.10	123.63
14	cB	1235	CLA	O2A-CGA-O1A	-2.21	118.10	123.63
20	T	822	SQD	C4-C3-C2	2.21	114.71	110.83
18	cX	4021	LHG	C18-C17-C16	-2.21	103.19	114.37
14	aB	1012	CLA	CMB-C2B-C1B	-2.21	122.05	125.42
14	a4	518	CLA	O2A-CGA-O1A	-2.21	118.10	123.63
14	Z	503	CLA	O2A-CGA-O1A	-2.21	118.10	123.63
17	b5	522	BCR	C8-C7-C6	-2.21	121.09	127.00
14	b2	510	CLA	C1-C2-C3	-2.21	122.58	126.20
20	cB	1852	SQD	C3-C4-C5	2.21	114.24	110.23
17	b	521	BCR	C20-C19-C18	-2.21	120.30	126.36
14	aB	1238	CLA	O2A-CGA-O1A	-2.21	118.10	123.63
21	aB	5002	LMG	O3-C3-C2	-2.21	105.17	110.38
17	bI	4018	BCR	C4-C5-C6	-2.21	119.72	122.70
17	a1	521	BCR	C11-C12-C13	-2.21	120.30	126.36
18	aA	5003	LHG	C27-C26-C25	-2.21	103.20	114.37
21	aB	5002	LMG	O1-C7-C8	-2.21	105.44	110.82
14	b1	507	CLA	C1-C2-C3	-2.21	122.58	126.20
21	a1	5104	LMG	O3-C3-C2	-2.21	105.17	110.38
14	S	518	CLA	O2A-CGA-O1A	-2.21	118.10	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	b1	523	BCR	C8-C7-C6	-2.21	121.10	127.00
17	l	524	BCR	C8-C7-C6	-2.21	121.10	127.00
17	c2	521	BCR	C33-C5-C4	2.21	118.30	113.60
17	bL	4022	BCR	C15-C16-C17	-2.21	119.00	123.52
17	b4	524	BCR	C11-C12-C13	-2.21	120.31	126.36
14	S	508	CLA	O2A-CGA-O1A	-2.21	118.11	123.63
14	cB	1222	CLA	O2A-CGA-O1A	-2.21	118.11	123.63
17	n	524	BCR	C11-C12-C13	-2.21	120.31	126.36
14	bA	1132	CLA	C1-C2-C3	-2.21	122.58	126.20
14	Y	502	CLA	C1-C2-C3	-2.21	122.58	126.20
14	bB	1238	CLA	O2A-CGA-O1A	-2.21	118.11	123.63
17	cJ	4012	BCR	C11-C12-C13	-2.21	120.31	126.36
17	bB	4005	BCR	C27-C26-C25	-2.21	119.72	122.70
20	e	822	SQD	O6-C1-C2	2.21	111.62	108.27
14	bA	1011	CLA	C1-C2-C3	-2.21	122.58	126.20
17	c3	521	BCR	C15-C16-C17	-2.21	119.01	123.52
17	m	524	BCR	C4-C5-C6	-2.21	119.72	122.70
17	c2	521	BCR	C29-C30-C25	2.21	113.64	110.44
17	b2	524	BCR	C4-C5-C6	-2.20	119.72	122.70
17	aA	4008	BCR	C38-C26-C27	2.20	118.30	113.60
17	bI	4020	BCR	C37-C22-C21	-2.20	119.25	122.82
14	a2	511	CLA	O2A-CGA-O1A	-2.20	118.12	123.63
17	j	521	BCR	C20-C19-C18	-2.20	120.32	126.36
14	aJ	1302	CLA	O2A-CGA-O1A	-2.20	118.12	123.63
14	b	503	CLA	O2A-CGA-O1A	-2.20	118.12	123.63
17	cI	4018	BCR	C33-C5-C6	-2.20	122.08	124.48
18	cA	5004	LHG	C27-C26-C25	-2.20	103.23	114.37
17	n	521	BCR	C38-C26-C27	2.20	118.29	113.60
14	f	505	CLA	CMB-C2B-C1B	-2.20	122.06	125.42
17	U	523	BCR	C16-C15-C14	-2.20	119.01	123.52
17	c	524	BCR	C4-C5-C6	-2.20	119.73	122.70
21	bB	5002	LMG	O2-C2-C1	-2.20	104.83	110.08
18	bA	5005	LHG	C27-C26-C25	-2.20	103.24	114.37
14	q	516	CLA	O2A-CGA-O1A	-2.20	117.67	123.33
14	a2	501	CLA	C1-C2-C3	-2.20	122.59	126.20
14	W	501	CLA	C1-C2-C3	-2.20	122.59	126.20
14	p	502	CLA	C1-C2-C3	-2.20	122.59	126.20
14	cA	1011	CLA	CHB-C4A-NA	2.20	127.58	124.40
14	U	505	CLA	CMB-C2B-C1B	-2.20	122.07	125.42
17	e	523	BCR	C33-C5-C4	2.20	118.29	113.60
14	b6	518	CLA	O2A-CGA-O1A	-2.20	118.12	123.63
14	cB	1021	CLA	C1-C2-C3	-2.20	122.59	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	c1	518	CLA	C1-C2-C3	-2.20	122.59	126.20
14	a	518	CLA	C1-C2-C3	-2.20	122.59	126.20
17	a1	524	BCR	C21-C20-C19	-2.20	116.83	123.20
17	cB	4009	BCR	C20-C19-C18	-2.20	120.33	126.36
20	aB	1852	SQD	C1-O5-C5	2.20	118.02	113.72
14	aA	1138	CLA	O2A-CGA-O1A	-2.20	118.13	123.63
14	c5	505	CLA	O2A-CGA-O1A	-2.20	118.13	123.63
14	a2	504	CLA	O2A-CGA-O1A	-2.20	118.13	123.63
20	W	822	SQD	O8-S-C6	2.20	110.22	105.97
17	bM	4021	BCR	C8-C7-C6	-2.20	121.13	127.00
17	W	521	BCR	C29-C30-C25	2.20	113.63	110.44
17	c1	524	BCR	C11-C12-C13	-2.20	120.34	126.36
14	f	516	CLA	CAC-C3C-C2C	-2.20	123.52	127.56
18	bA	5003	LHG	C27-C26-C25	-2.20	103.26	114.37
14	cL	1503	CLA	C1-C2-C3	-2.20	122.60	126.20
14	V	509	CLA	O2A-CGA-O1A	-2.20	118.13	123.63
20	c3	822	SQD	O48-C23-C24	2.20	118.53	111.83
17	h	522	BCR	C8-C7-C6	-2.20	121.13	127.00
20	X	822	SQD	O5-C5-C4	2.20	113.66	109.70
17	bB	4017	BCR	C33-C5-C4	2.20	118.28	113.60
14	X	501	CLA	C1-C2-C3	-2.20	122.60	126.20
17	U	524	BCR	C23-C24-C25	-2.20	121.13	127.00
14	bB	1225	CLA	CMB-C2B-C1B	-2.20	122.08	125.42
17	b1	521	BCR	C29-C30-C25	2.20	113.63	110.44
14	cA	1131	CLA	C1-C2-C3	-2.20	122.60	126.20
14	X	502	CLA	C1-C2-C3	-2.20	122.60	126.20
14	cA	1138	CLA	O2A-CGA-O1A	-2.20	118.14	123.63
20	h	822	SQD	C44-O6-C1	2.20	118.50	113.80
17	aA	4007	BCR	C21-C20-C19	-2.20	116.84	123.20
17	h	521	BCR	C23-C24-C25	-2.20	121.13	127.00
14	a4	513	CLA	CMB-C2B-C1B	-2.20	122.08	125.42
14	b2	506	CLA	CMB-C2B-C1B	-2.20	122.08	125.42
14	aB	1208	CLA	C1-C2-C3	-2.20	122.60	126.20
17	aJ	4012	BCR	C15-C16-C17	-2.19	119.03	123.52
21	aB	5002	LMG	O2-C2-C1	-2.19	104.84	110.08
17	b	524	BCR	C1-C6-C5	-2.19	119.64	122.64
14	bA	1130	CLA	CMB-C2B-C1B	-2.19	122.08	125.42
17	i	524	BCR	C23-C24-C25	-2.19	121.14	127.00
20	b1	822	SQD	O6-C1-C2	2.19	111.61	108.27
14	bB	1235	CLA	O2A-CGA-O1A	-2.19	118.14	123.63
21	a6	5104	LMG	O2-C2-C1	-2.19	104.85	110.08
14	bB	1023	CLA	C1-C2-C3	-2.19	122.60	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	cB	4010	BCR	C38-C26-C27	2.19	118.27	113.60
17	c	523	BCR	C33-C5-C4	2.19	118.27	113.60
14	c5	503	CLA	O2A-CGA-O1A	-2.19	118.14	123.63
17	W	524	BCR	C15-C16-C17	-2.19	119.03	123.52
14	q	509	CLA	O2A-CGA-O1A	-2.19	118.14	123.63
14	cJ	1303	CLA	O2A-CGA-O1A	-2.19	118.14	123.63
21	b2	5104	LMG	O3-C3-C2	-2.19	105.21	110.38
14	cA	1126	CLA	CHB-C4A-NA	2.19	127.56	124.40
17	b2	521	BCR	C29-C30-C25	2.19	113.62	110.44
14	W	518	CLA	O2A-CGA-O1A	-2.19	118.15	123.63
17	aA	4008	BCR	C20-C19-C18	-2.19	120.36	126.36
14	cB	1238	CLA	O2A-CGA-O1A	-2.19	118.15	123.63
14	j	518	CLA	O2A-CGA-O1A	-2.19	118.15	123.63
14	b3	508	CLA	CMB-C2B-C1B	-2.19	122.08	125.42
14	k	516	CLA	O2A-CGA-O1A	-2.19	117.70	123.33
14	q	507	CLA	C3B-C4B-NB	-2.19	108.58	110.53
17	b3	524	BCR	C15-C16-C17	-2.19	119.04	123.52
14	bL	1503	CLA	C1-C2-C3	-2.19	122.61	126.20
14	a2	505	CLA	C1-C2-C3	-2.19	122.61	126.20
17	j	523	BCR	C11-C12-C13	-2.19	120.36	126.36
14	b1	518	CLA	O2A-CGA-O1A	-2.19	118.15	123.63
17	a	522	BCR	C15-C16-C17	-2.19	119.04	123.52
14	a6	503	CLA	O2A-CGA-O1A	-2.19	118.15	123.63
14	a4	508	CLA	CMB-C2B-C1B	-2.19	122.09	125.42
20	a5	822	SQD	O6-C1-C2	2.19	111.60	108.27
17	c1	523	BCR	C23-C24-C25	-2.19	121.15	127.00
17	i	521	BCR	C23-C24-C25	-2.19	121.15	127.00
17	b2	523	BCR	C15-C16-C17	-2.19	119.04	123.52
17	Z	523	BCR	C8-C7-C6	-2.19	121.16	127.00
17	cJ	4013	BCR	C38-C26-C27	2.19	118.26	113.60
14	S	501	CLA	CHB-C4A-NA	2.19	127.56	124.40
17	p	523	BCR	C23-C24-C25	-2.19	121.16	127.00
17	cJ	4013	BCR	C24-C23-C22	-2.19	123.00	126.23
18	cA	5003	LHG	C27-C26-C25	-2.19	103.31	114.37
17	a5	523	BCR	C16-C15-C14	-2.19	119.05	123.52
17	aM	4021	BCR	C33-C5-C4	2.19	118.26	113.60
21	cB	5002	LMG	O2-C2-C1	-2.19	104.86	110.08
17	a1	524	BCR	C1-C6-C5	-2.19	119.65	122.64
14	X	508	CLA	CMB-C2B-C1B	-2.19	122.09	125.42
17	c1	524	BCR	C23-C24-C25	-2.19	121.16	127.00
17	g	524	BCR	C4-C5-C6	-2.19	119.75	122.70
14	b5	518	CLA	O2A-CGA-O1A	-2.19	118.16	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	d	521	BCR	C2-C1-C6	2.19	113.61	110.44
14	bB	1222	CLA	O2A-CGA-O1A	-2.19	118.16	123.63
20	n	822	SQD	O8-S-C6	2.19	110.19	105.97
17	cB	4009	BCR	C27-C26-C25	-2.19	119.75	122.70
20	i	822	SQD	O8-S-C6	2.18	110.19	105.97
14	cB	1211	CLA	C1-C2-C3	-2.18	122.62	126.20
14	cB	1012	CLA	C3B-C4B-NB	-2.18	108.58	110.53
14	aA	1013	CLA	CMB-C2B-C1B	-2.18	122.09	125.42
17	c5	523	BCR	C38-C26-C27	2.18	118.25	113.60
17	Z	524	BCR	C11-C12-C13	-2.18	120.37	126.36
17	c2	524	BCR	C21-C20-C19	-2.18	116.87	123.20
17	aA	4008	BCR	C16-C15-C14	-2.18	119.05	123.52
14	bK	1401	CLA	O2A-CGA-O1A	-2.18	118.17	123.63
17	j	524	BCR	C1-C6-C5	-2.18	119.65	122.64
14	a4	505	CLA	C1-C2-C3	-2.18	122.62	126.20
14	a6	516	CLA	CMB-C2B-C1B	-2.18	122.09	125.42
14	h	510	CLA	CMB-C2B-C1B	-2.18	122.09	125.42
17	b	524	BCR	C15-C16-C17	-2.18	119.05	123.52
14	bA	1135	CLA	C1-C2-C3	-2.18	122.62	126.20
14	a1	516	CLA	C11-C10-C8	-2.18	108.71	115.97
17	bA	4011	BCR	C33-C5-C4	2.18	118.25	113.60
14	X	509	CLA	C1-C2-C3	-2.18	122.62	126.20
14	l	510	CLA	CMB-C2B-C1B	-2.18	122.10	125.42
14	cA	1128	CLA	O2D-CGD-CBD	2.18	115.04	111.23
17	b	523	BCR	C21-C20-C19	-2.18	116.88	123.20
14	q	506	CLA	CMB-C2B-C1B	-2.18	122.10	125.42
14	d	503	CLA	C1-C2-C3	-2.18	123.23	126.76
18	aA	5004	LHG	C27-C26-C25	-2.18	103.34	114.37
17	V	524	BCR	C1-C6-C5	-2.18	119.66	122.64
14	S	505	CLA	CMB-C2B-C1B	-2.18	122.10	125.42
17	b5	523	BCR	C10-C11-C12	-2.18	116.88	123.20
14	c2	507	CLA	O2A-CGA-O1A	-2.18	118.17	123.63
17	b3	524	BCR	C38-C26-C27	2.18	118.24	113.60
17	cJ	4012	BCR	C38-C26-C27	2.18	118.24	113.60
14	a5	502	CLA	C1-C2-C3	-2.18	122.63	126.20
14	aJ	1303	CLA	CHB-C4A-NA	2.18	127.55	124.40
18	bX	4021	LHG	C18-C17-C16	-2.18	103.35	114.37
14	c2	510	CLA	C1-C2-C3	-2.18	122.63	126.20
14	U	502	CLA	C1-C2-C3	-2.18	122.63	126.20
14	d	503	CLA	O2A-CGA-O1A	-2.18	118.18	123.63
17	b	524	BCR	C23-C24-C25	-2.18	121.18	127.00
17	m	521	BCR	C33-C5-C4	2.18	118.24	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	aB	1222	CLA	O2A-CGA-O1A	-2.18	118.18	123.63
17	b2	524	BCR	C15-C16-C17	-2.18	119.06	123.52
17	cJ	4012	BCR	C21-C20-C19	-2.18	116.89	123.20
17	cA	4011	BCR	C23-C24-C25	-2.18	121.18	127.00
17	cI	4019	BCR	C33-C5-C4	2.18	118.24	113.60
14	aB	1202	CLA	O2A-CGA-O1A	-2.18	118.19	123.63
17	l	524	BCR	C20-C19-C18	-2.18	120.40	126.36
17	aB	4006	BCR	C34-C9-C10	-2.18	119.29	122.82
17	l	523	BCR	C33-C5-C4	2.18	118.23	113.60
14	aA	1135	CLA	O2A-CGA-O1A	-2.18	118.19	123.63
14	a4	502	CLA	C1-C2-C3	-2.18	122.63	126.20
14	cB	1202	CLA	O2A-CGA-O1A	-2.18	118.19	123.63
17	g	521	BCR	C11-C12-C13	-2.18	120.40	126.36
17	a4	524	BCR	C23-C24-C25	-2.17	121.19	127.00
17	q	521	BCR	C38-C26-C27	2.17	118.23	113.60
17	bA	4002	BCR	C20-C19-C18	-2.17	120.40	126.36
20	a6	822	SQD	O8-S-C6	2.17	110.17	105.97
14	b1	503	CLA	O2A-CGA-O1A	-2.17	118.19	123.63
17	cA	4011	BCR	C38-C26-C27	2.17	118.23	113.60
14	a1	517	CLA	O2D-CGD-CBD	2.17	115.03	111.23
17	b1	522	BCR	C8-C7-C6	-2.17	121.19	127.00
14	cA	1011	CLA	O1D-CGD-CBD	2.17	128.81	124.52
14	a2	504	CLA	C3A-C2A-C1A	2.17	104.59	101.34
14	a5	503	CLA	O2A-CGA-O1A	-2.17	118.19	123.63
14	T	513	CLA	O2A-CGA-O1A	-2.17	118.19	123.63
17	a2	522	BCR	C36-C18-C19	2.17	121.41	118.09
20	c3	822	SQD	O8-S-C6	2.17	110.17	105.97
17	j	524	BCR	C38-C26-C27	2.17	118.23	113.60
14	c4	503	CLA	O2A-CGA-O1A	-2.17	118.19	123.63
14	j	508	CLA	CMB-C2B-C1B	-2.17	122.11	125.42
18	bA	5002	LHG	O8-C23-C24	2.17	118.46	111.83
17	aL	4022	BCR	C15-C16-C17	-2.17	119.07	123.52
14	cA	1117	CLA	C1-C2-C3	-2.17	122.64	126.20
14	c3	518	CLA	C1-C2-C3	-2.17	122.64	126.20
21	b1	5104	LMG	O3-C3-C2	-2.17	105.26	110.38
14	a2	508	CLA	CMB-C2B-C1B	-2.17	122.11	125.42
14	cA	1132	CLA	O2A-CGA-O1A	-2.17	118.20	123.63
17	o	523	BCR	C23-C24-C25	-2.17	121.20	127.00
17	a3	522	BCR	C11-C12-C13	-2.17	120.41	126.36
14	p	508	CLA	CMB-C2B-C1B	-2.17	122.11	125.42
17	c1	521	BCR	C20-C19-C18	-2.17	120.41	126.36
17	j	522	BCR	C38-C26-C27	2.17	118.22	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	aA	1139	CLA	C1-C2-C3	-2.17	122.64	126.20
14	bA	1137	CLA	C1-C2-C3	-2.17	122.64	126.20
14	c3	511	CLA	O2A-CGA-O1A	-2.17	118.20	123.63
14	a4	509	CLA	C1-C2-C3	-2.17	122.64	126.20
14	c2	512	CLA	C1-C2-C3	-2.17	122.64	126.20
14	c1	509	CLA	O2A-CGA-O1A	-2.17	118.20	123.63
14	c3	508	CLA	CMB-C2B-C1B	-2.17	122.11	125.42
17	b4	522	BCR	C21-C20-C19	-2.17	116.91	123.20
14	g	513	CLA	CMB-C2B-C1B	-2.17	122.12	125.42
17	a2	521	BCR	C29-C30-C25	2.17	113.59	110.44
14	bB	1238	CLA	C1-C2-C3	-2.17	122.64	126.20
14	bA	1011	CLA	CHB-C4A-NA	2.17	127.53	124.40
14	b6	509	CLA	O2A-CGA-O1A	-2.17	118.20	123.63
20	bB	1852	SQD	C3-C4-C5	2.17	114.16	110.23
17	bF	4015	BCR	C23-C24-C25	-2.17	121.20	127.00
14	b2	508	CLA	CMB-C2B-C1B	-2.17	122.12	125.42
17	k	521	BCR	C11-C12-C13	-2.17	120.42	126.36
14	b1	512	CLA	C1-C2-C3	-2.17	122.64	126.20
17	aA	4002	BCR	C20-C19-C18	-2.17	120.42	126.36
14	cA	1115	CLA	O2A-CGA-O1A	-2.17	118.21	123.63
17	cF	4015	BCR	C23-C24-C25	-2.17	121.21	127.00
14	aA	1011	CLA	O2A-CGA-O1A	-2.17	118.21	123.63
14	T	505	CLA	O2A-CGA-O1A	-2.17	118.21	123.63
14	aB	1023	CLA	C1-C2-C3	-2.17	122.65	126.20
17	f	521	BCR	C23-C24-C25	-2.17	121.21	127.00
14	a3	508	CLA	CMB-C2B-C1B	-2.17	122.12	125.42
17	cI	4018	BCR	C38-C26-C25	-2.17	122.12	124.48
14	bB	1202	CLA	O2A-CGA-O1A	-2.17	118.21	123.63
20	d	822	SQD	O6-C1-C2	2.17	111.56	108.27
17	c4	521	BCR	C38-C26-C27	2.17	118.22	113.60
14	bB	1021	CLA	C1-C2-C3	-2.17	122.65	126.20
17	h	521	BCR	C16-C15-C14	-2.17	119.09	123.52
14	c5	508	CLA	CMB-C2B-C1B	-2.17	122.12	125.42
17	S	523	BCR	C10-C11-C12	-2.17	116.92	123.20
14	c6	502	CLA	O2A-CGA-O1A	-2.17	118.21	123.63
14	b3	519	CLA	C1-C2-C3	-2.17	122.65	126.20
14	cB	1206	CLA	C1-C2-C3	-2.17	122.65	126.20
17	k	524	BCR	C38-C26-C27	2.16	118.21	113.60
17	cI	4020	BCR	C37-C22-C21	-2.16	119.31	122.82
14	cB	1012	CLA	CMB-C2B-C1B	-2.16	122.12	125.42
17	a3	524	BCR	C4-C5-C6	-2.16	119.78	122.70
14	aA	1118	CLA	O2A-CGA-O1A	-2.16	118.21	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	bB	1225	CLA	O2A-CGA-O1A	-2.16	118.21	123.63
14	aA	1135	CLA	C1-C2-C3	-2.16	122.65	126.20
14	h	513	CLA	O2A-CGA-O1A	-2.16	118.22	123.63
14	bB	1214	CLA	CMB-C2B-C1B	-2.16	122.12	125.42
21	b2	5104	LMG	O2-C2-C1	-2.16	104.92	110.08
17	a6	523	BCR	C23-C24-C25	-2.16	121.22	127.00
14	aB	1230	CLA	C1-C2-C3	-2.16	122.65	126.20
21	c1	5104	LMG	O2-C2-C1	-2.16	104.92	110.08
14	n	508	CLA	CMB-C2B-C1B	-2.16	122.13	125.42
17	k	521	BCR	C33-C5-C4	2.16	118.21	113.60
20	S	822	SQD	C4-C3-C2	2.16	114.63	110.83
17	aA	4011	BCR	C23-C24-C25	-2.16	121.22	127.00
14	aL	1501	CLA	O2A-CGA-O1A	-2.16	118.22	123.63
14	bA	1124	CLA	C1-C2-C3	-2.16	122.66	126.20
17	m	524	BCR	C15-C16-C17	-2.16	119.10	123.52
14	n	506	CLA	CMB-C2B-C1B	-2.16	122.13	125.42
17	b2	524	BCR	C11-C12-C13	-2.16	120.44	126.36
14	bB	1220	CLA	O2A-CGA-O1A	-2.16	118.22	123.63
17	cB	4006	BCR	C34-C9-C10	-2.16	119.31	122.82
14	m	505	CLA	O2A-CGA-O1A	-2.16	118.22	123.63
17	b4	521	BCR	C33-C5-C4	2.16	118.20	113.60
14	b	509	CLA	C1-C2-C3	-2.16	122.66	126.20
14	a2	505	CLA	O2A-CGA-O1A	-2.16	118.22	123.63
17	Z	521	BCR	C20-C19-C18	-2.16	120.44	126.36
20	b2	822	SQD	O6-C1-C2	2.16	111.55	108.27
14	cA	1118	CLA	O2A-CGA-O1A	-2.16	118.23	123.63
14	bB	1229	CLA	O2A-CGA-O1A	-2.16	118.23	123.63
18	bA	5004	LHG	C27-C26-C25	-2.16	103.45	114.37
14	b5	509	CLA	O2A-CGA-O1A	-2.16	118.23	123.63
14	h	507	CLA	C3B-C4B-NB	-2.16	108.60	110.53
20	a5	822	SQD	O8-S-C6	2.16	110.14	105.97
17	Z	521	BCR	C8-C7-C6	-2.16	121.23	127.00
17	o	523	BCR	C4-C5-C6	-2.16	119.79	122.70
17	c5	523	BCR	C33-C5-C4	2.16	118.20	113.60
17	h	521	BCR	C38-C26-C27	2.16	118.20	113.60
17	c2	524	BCR	C23-C24-C25	-2.16	121.23	127.00
21	bJ	5104	LMG	O3-C3-C2	-2.16	105.29	110.38
14	aB	1238	CLA	C1-C2-C3	-2.16	122.66	126.20
14	a3	518	CLA	C1-C2-C3	-2.16	122.66	126.20
14	a5	510	CLA	C1-C2-C3	-2.16	122.66	126.20
17	bJ	4012	BCR	C11-C12-C13	-2.16	120.45	126.36
14	c5	507	CLA	C1-C2-C3	-2.16	122.66	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b	510	CLA	C1-C2-C3	-2.16	122.66	126.20
17	q	521	BCR	C2-C1-C6	2.16	113.57	110.44
17	c3	521	BCR	C33-C5-C4	2.16	118.19	113.60
14	b6	502	CLA	O2A-CGA-O1A	-2.16	118.23	123.63
14	c4	519	CLA	C1-C2-C3	-2.16	122.66	126.20
17	aJ	4012	BCR	C21-C20-C19	-2.16	116.95	123.20
17	h	523	BCR	C33-C5-C4	2.16	118.19	113.60
14	b2	518	CLA	O2A-CGA-O1A	-2.16	118.23	123.63
17	T	521	BCR	C23-C24-C25	-2.16	121.24	127.00
14	bB	1209	CLA	C1-C2-C3	-2.16	122.67	126.20
14	bL	1503	CLA	O2A-CGA-O1A	-2.16	118.24	123.63
17	bA	4011	BCR	C38-C26-C27	2.16	118.19	113.60
17	f	524	BCR	C23-C24-C25	-2.16	121.24	127.00
17	bM	4021	BCR	C3-C4-C5	-2.15	110.21	114.06
14	Z	518	CLA	C1-C2-C3	-2.15	122.67	126.20
17	Z	523	BCR	C10-C11-C12	-2.15	116.96	123.20
17	X	524	BCR	C1-C6-C5	-2.15	119.69	122.64
14	c	513	CLA	CMB-C2B-C1B	-2.15	122.14	125.42
14	c3	510	CLA	C1-C2-C3	-2.15	122.67	126.20
14	U	510	CLA	C1-C2-C3	-2.15	122.67	126.20
17	W	521	BCR	C20-C19-C18	-2.15	120.46	126.36
17	a1	523	BCR	C16-C15-C14	-2.15	119.11	123.52
17	p	524	BCR	C28-C27-C26	-2.15	110.22	114.06
14	d	518	CLA	O2A-CGA-O1A	-2.15	118.24	123.63
17	W	524	BCR	C23-C24-C25	-2.15	121.25	127.00
17	a4	523	BCR	C23-C24-C25	-2.15	121.25	127.00
14	aB	1228	CLA	O2A-CGA-O1A	-2.15	118.24	123.63
14	aB	1229	CLA	O2A-CGA-O1A	-2.15	118.24	123.63
14	c5	519	CLA	O2A-CGA-O1A	-2.15	118.24	123.63
14	i	518	CLA	O2A-CGA-O1A	-2.15	118.24	123.63
14	aL	1503	CLA	O2A-CGA-O1A	-2.15	118.24	123.63
17	d	521	BCR	C29-C30-C25	2.15	113.57	110.44
17	c1	524	BCR	C1-C6-C5	-2.15	119.69	122.64
17	o	521	BCR	C23-C24-C25	-2.15	121.25	127.00
14	c5	502	CLA	C1-C2-C3	-2.15	122.67	126.20
17	q	521	BCR	C20-C19-C18	-2.15	120.46	126.36
17	i	524	BCR	C4-C5-C6	-2.15	119.80	122.70
20	c6	822	SQD	O6-C1-C2	2.15	111.54	108.27
20	S	822	SQD	O6-C1-C2	2.15	111.54	108.27
17	p	524	BCR	C20-C19-C18	-2.15	120.46	126.36
14	aK	1401	CLA	O2A-CGA-O1A	-2.15	118.25	123.63
14	bA	1135	CLA	O2A-CGA-O1A	-2.15	118.25	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	c1	509	CLA	C1-C2-C3	-2.15	122.67	126.20
17	aB	4005	BCR	C27-C26-C25	-2.15	119.80	122.70
17	b	522	BCR	C21-C20-C19	-2.15	116.97	123.20
17	c5	524	BCR	C23-C24-C25	-2.15	121.25	127.00
14	a6	509	CLA	C1-C2-C3	-2.15	122.67	126.20
14	c1	516	CLA	C1-C2-C3	2.15	129.72	126.20
14	h	513	CLA	CMB-C2B-C1B	-2.15	122.14	125.42
17	aA	4003	BCR	C11-C12-C13	-2.15	120.47	126.36
14	a	518	CLA	O2A-CGA-O1A	-2.15	118.25	123.63
21	bJ	5104	LMG	O1-C7-C8	-2.15	105.59	110.82
17	b6	523	BCR	C23-C24-C25	-2.15	121.25	127.00
17	a	523	BCR	C23-C24-C25	-2.15	121.25	127.00
14	j	513	CLA	O2A-CGA-O1A	-2.15	118.25	123.63
17	aI	4019	BCR	C33-C5-C4	2.15	118.18	113.60
17	V	521	BCR	C33-C5-C4	2.15	118.18	113.60
17	a4	523	BCR	C8-C7-C6	-2.15	121.26	127.00
14	n	502	CLA	C1-C2-C3	-2.15	122.68	126.20
14	a2	510	CLA	CMB-C2B-C1B	-2.15	122.15	125.42
14	Y	508	CLA	CMB-C2B-C1B	-2.15	122.15	125.42
17	bJ	4013	BCR	C38-C26-C27	2.15	118.18	113.60
14	aA	1011	CLA	C1-C2-C3	-2.15	122.68	126.20
14	a6	509	CLA	O2A-CGA-O1A	-2.15	118.25	123.63
17	aK	4001	BCR	C21-C20-C19	-2.15	116.97	123.20
14	g	516	CLA	CBC-CAC-C3C	2.15	118.24	112.42
21	a6	5104	LMG	O3-C3-C2	-2.15	105.31	110.38
14	aA	1131	CLA	C1-C2-C3	-2.15	122.68	126.20
14	aB	1206	CLA	C1-C2-C3	-2.15	122.68	126.20
17	q	522	BCR	C21-C20-C19	-2.15	116.98	123.20
17	bA	4008	BCR	C27-C26-C25	-2.15	119.80	122.70
17	Y	521	BCR	C20-C19-C18	-2.15	120.47	126.36
14	a2	509	CLA	C1-C2-C3	-2.15	122.68	126.20
14	b6	502	CLA	C1-C2-C3	-2.15	122.68	126.20
14	a1	518	CLA	O2A-CGA-O1A	-2.15	118.26	123.63
14	cB	1225	CLA	O2A-CGA-O1A	-2.15	118.26	123.63
14	S	503	CLA	O2A-CGA-O1A	-2.15	118.26	123.63
17	bJ	4013	BCR	C2-C1-C6	2.15	113.56	110.44
17	a5	521	BCR	C38-C26-C27	2.15	118.17	113.60
14	bB	1012	CLA	CMB-C2B-C3B	2.15	131.60	126.55
14	aA	1131	CLA	O2A-CGA-O1A	-2.15	118.26	123.63
14	aB	1220	CLA	O2A-CGA-O1A	-2.15	118.26	123.63
14	b4	508	CLA	CMB-C2B-C1B	-2.15	122.15	125.42
14	k	501	CLA	C1-C2-C3	-2.15	122.68	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	b5	523	BCR	C23-C24-C25	-2.15	121.27	127.00
14	cJ	1302	CLA	O2D-CGD-CBD	2.15	114.98	111.23
17	c1	524	BCR	C21-C20-C19	-2.15	116.98	123.20
14	a4	504	CLA	CHB-C4A-NA	2.15	127.50	124.40
14	bB	1230	CLA	C1-C2-C3	-2.15	122.68	126.20
14	cA	1124	CLA	C1-C2-C3	-2.14	122.68	126.20
14	cB	1215	CLA	C1-C2-C3	-2.14	122.68	126.20
17	c4	521	BCR	C23-C24-C25	-2.14	121.27	127.00
17	n	524	BCR	C20-C19-C18	-2.14	120.48	126.36
18	aA	5002	LHG	C27-C26-C25	-2.14	103.53	114.37
14	b	518	CLA	O2A-CGA-O1A	-2.14	118.27	123.63
17	bK	4001	BCR	C8-C7-C6	-2.14	121.27	127.00
14	a1	511	CLA	CMB-C2B-C1B	-2.14	122.16	125.42
14	bA	1127	CLA	CHB-C4A-NA	2.14	127.49	124.40
17	i	521	BCR	C11-C12-C13	-2.14	120.49	126.36
17	p	524	BCR	C11-C12-C13	-2.14	120.49	126.36
14	bL	1501	CLA	O2A-CGA-O1A	-2.14	118.27	123.63
14	c	509	CLA	C1-C2-C3	-2.14	122.69	126.20
14	aA	1022	CLA	CMB-C2B-C1B	-2.14	122.16	125.42
17	a4	521	BCR	C33-C5-C4	2.14	118.16	113.60
17	q	523	BCR	C3-C4-C5	-2.14	110.24	114.06
14	b3	501	CLA	C1-C2-C3	-2.14	122.69	126.20
17	b3	524	BCR	C4-C5-C6	-2.14	119.81	122.70
17	cK	4001	BCR	C35-C13-C12	2.14	121.36	118.09
14	Z	518	CLA	O2A-CGA-O1A	-2.14	118.27	123.63
14	c4	507	CLA	C1-C2-C3	-2.14	122.69	126.20
14	X	510	CLA	CMB-C2B-C1B	-2.14	122.16	125.42
14	aA	1124	CLA	O2A-CGA-O1A	-2.14	118.27	123.63
14	a2	518	CLA	O2A-CGA-O1A	-2.14	118.27	123.63
14	cA	1124	CLA	O2A-CGA-O1A	-2.14	118.27	123.63
17	S	521	BCR	C33-C5-C4	2.14	118.16	113.60
20	q	822	SQD	O6-C1-C2	2.14	111.52	108.27
14	cB	1229	CLA	O2A-CGA-O1A	-2.14	118.28	123.63
17	g	524	BCR	C11-C12-C13	-2.14	120.50	126.36
14	aB	1213	CLA	CMB-C2B-C1B	-2.14	122.16	125.42
14	bA	1131	CLA	O2A-CGA-O1A	-2.14	118.28	123.63
14	bB	1207	CLA	O2A-CGA-O1A	-2.14	118.28	123.63
18	aX	4021	LHG	C27-C26-C25	-2.14	103.56	114.37
14	e	508	CLA	CMB-C2B-C1B	-2.14	122.16	125.42
14	h	508	CLA	CMB-C2B-C1B	-2.14	122.16	125.42
14	aA	1115	CLA	O2A-CGA-O1A	-2.14	118.28	123.63
17	l	521	BCR	C33-C5-C4	2.14	118.16	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	c6	521	BCR	C38-C26-C27	2.14	118.16	113.60
14	q	510	CLA	C1-C2-C3	-2.14	122.69	126.20
17	X	523	BCR	C21-C20-C19	-2.14	117.00	123.20
18	bA	5004	LHG	C11-C10-C9	-2.14	103.56	114.37
14	e	516	CLA	CHB-C4A-NA	2.14	127.48	124.40
14	c5	518	CLA	O2A-CGA-O1A	-2.14	118.28	123.63
17	d	521	BCR	C33-C5-C4	2.14	118.15	113.60
21	aJ	5104	LMG	O3-C3-C2	-2.14	105.34	110.38
17	cL	4022	BCR	C23-C24-C25	-2.14	121.29	127.00
17	c2	524	BCR	C15-C16-C17	-2.14	119.15	123.52
21	b1	5104	LMG	O2-C2-C1	-2.14	104.98	110.08
14	n	509	CLA	O2A-CGA-O1A	-2.14	118.28	123.63
20	a2	822	SQD	O6-C1-C2	2.14	111.52	108.27
14	c4	505	CLA	C1-C2-C3	-2.14	122.70	126.20
20	cB	1852	SQD	C1-O5-C5	2.14	117.89	113.72
17	bB	4010	BCR	C21-C20-C19	-2.14	117.01	123.20
21	cJ	5104	LMG	O3-C3-C2	-2.14	105.34	110.38
17	b4	521	BCR	C23-C24-C25	-2.13	121.30	127.00
14	p	518	CLA	O2A-CGA-O1A	-2.13	118.29	123.63
21	a2	5104	LMG	O1-C7-C8	-2.13	105.63	110.82
14	bA	1118	CLA	O2A-CGA-O1A	-2.13	118.29	123.63
14	b5	503	CLA	O2A-CGA-O1A	-2.13	118.29	123.63
14	h	504	CLA	O2A-CGA-O1A	-2.13	117.84	123.33
17	bJ	4013	BCR	C7-C8-C9	-2.13	123.08	126.23
14	c3	512	CLA	C1-C2-C3	-2.13	122.70	126.20
14	c5	511	CLA	CMB-C2B-C1B	-2.13	122.17	125.42
14	S	508	CLA	CMB-C2B-C1B	-2.13	122.17	125.42
14	a2	504	CLA	CHB-C4A-NA	2.13	127.48	124.40
14	W	503	CLA	O2A-CGA-O1A	-2.13	118.29	123.63
17	g	523	BCR	C20-C19-C18	-2.13	120.51	126.36
14	c4	518	CLA	O2A-CGA-O1A	-2.13	118.29	123.63
14	S	507	CLA	O2A-CGA-O1A	-2.13	118.29	123.63
14	cB	1222	CLA	C1-C2-C3	-2.13	122.70	126.20
14	c5	509	CLA	C1-C2-C3	-2.13	122.70	126.20
14	W	517	CLA	O2D-CGD-CBD	2.13	114.96	111.23
17	aF	4015	BCR	C23-C24-C25	-2.13	121.30	127.00
14	b5	504	CLA	O2A-CGA-O1A	-2.13	118.29	123.63
14	bA	1121	CLA	O2A-CGA-O1A	-2.13	118.30	123.63
14	aB	1223	CLA	C1-C2-C3	-2.13	122.70	126.20
14	W	502	CLA	O2A-CGA-O1A	-2.13	118.30	123.63
14	aA	1120	CLA	CMB-C2B-C1B	-2.13	122.17	125.42
14	m	518	CLA	CMB-C2B-C1B	-2.13	122.17	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	j	516	CLA	CHB-C4A-NA	2.13	127.47	124.40
14	cA	1135	CLA	O2A-CGA-O1A	-2.13	118.30	123.63
14	c3	518	CLA	O2A-CGA-O1A	-2.13	118.30	123.63
17	bB	4006	BCR	C34-C9-C10	-2.13	119.36	122.82
20	q	822	SQD	O8-S-C6	2.13	110.08	105.97
18	aA	5001	LHG	C27-C26-C25	-2.13	103.60	114.37
20	m	822	SQD	O47-C7-O49	-2.13	118.73	123.70
14	cB	1207	CLA	O2A-CGA-O1A	-2.13	118.30	123.63
14	cL	1503	CLA	O2A-CGA-O1A	-2.13	118.30	123.63
14	aA	1102	CLA	O2A-CGA-O1A	-2.13	118.30	123.63
14	cB	1228	CLA	O2A-CGA-O1A	-2.13	118.30	123.63
14	b3	509	CLA	O2A-CGA-O1A	-2.13	118.30	123.63
17	n	524	BCR	C4-C5-C6	-2.13	119.83	122.70
21	a2	5104	LMG	O2-C2-C1	-2.13	105.00	110.08
14	a1	503	CLA	O2A-CGA-O1A	-2.13	118.31	123.63
14	cK	1401	CLA	O2A-CGA-O1A	-2.13	118.31	123.63
17	Z	524	BCR	C1-C6-C5	-2.13	119.73	122.64
14	S	509	CLA	O2A-CGA-O1A	-2.13	118.31	123.63
17	b	522	BCR	C36-C18-C19	2.13	121.34	118.09
14	b3	503	CLA	O2A-CGA-O1A	-2.13	118.31	123.63
14	c4	509	CLA	O2A-CGA-O1A	-2.13	118.31	123.63
14	b2	519	CLA	C1-C2-C3	-2.13	123.32	126.76
20	a4	822	SQD	O48-C23-C24	2.13	118.32	111.83
14	S	513	CLA	O2A-CGA-O1A	-2.13	118.31	123.63
14	c5	510	CLA	CMB-C2B-C1B	-2.13	122.18	125.42
14	bA	1111	CLA	O2A-CGA-O1A	-2.13	118.31	123.63
14	b4	518	CLA	O2A-CGA-O1A	-2.13	118.31	123.63
14	cB	1209	CLA	O2A-CGA-O1A	-2.13	118.31	123.63
14	cB	1220	CLA	O2A-CGA-O1A	-2.13	118.31	123.63
17	T	523	BCR	C20-C19-C18	-2.13	120.53	126.36
17	a1	523	BCR	C21-C20-C19	-2.13	117.04	123.20
17	k	524	BCR	C1-C6-C5	-2.13	119.73	122.64
17	a2	522	BCR	C8-C7-C6	-2.13	121.32	127.00
14	Y	501	CLA	C1-C2-C3	-2.13	122.72	126.20
14	aA	1116	CLA	O2A-CGA-O1A	-2.13	118.31	123.63
14	bA	1132	CLA	O2A-CGA-O1A	-2.13	118.31	123.63
18	aA	5005	LHG	C27-C26-C25	-2.12	103.63	114.37
17	c1	521	BCR	C11-C12-C13	-2.12	120.54	126.36
17	h	524	BCR	C4-C5-C6	-2.12	119.83	122.70
20	a6	822	SQD	O5-C5-C4	2.12	113.53	109.70
17	U	521	BCR	C8-C7-C6	-2.12	121.33	127.00
14	aB	1225	CLA	O2A-CGA-O1A	-2.12	118.32	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	bB	1211	CLA	O2A-CGA-O1A	-2.12	118.32	123.63
14	bB	1213	CLA	O2A-CGA-O1A	-2.12	118.32	123.63
14	cL	1502	CLA	C1-C2-C3	-2.12	122.72	126.20
14	c2	501	CLA	O2A-CGA-O1A	-2.12	118.32	123.63
14	bB	1212	CLA	O2D-CGD-CBD	2.12	114.94	111.23
17	W	522	BCR	C21-C20-C19	-2.12	117.05	123.20
14	V	513	CLA	CMB-C2B-C1B	-2.12	122.19	125.42
14	b	505	CLA	CMB-C2B-C1B	-2.12	122.19	125.42
17	l	521	BCR	C11-C12-C13	-2.12	120.55	126.36
14	aA	1122	CLA	C1-C2-C3	-2.12	122.72	126.20
17	e	523	BCR	C16-C15-C14	-2.12	119.18	123.52
17	l	523	BCR	C23-C24-C25	-2.12	121.33	127.00
17	a3	521	BCR	C15-C16-C17	-2.12	119.18	123.52
17	g	523	BCR	C23-C24-C25	-2.12	121.33	127.00
17	a3	521	BCR	C33-C5-C4	2.12	118.12	113.60
14	n	518	CLA	O2A-CGA-O1A	-2.12	118.32	123.63
14	T	510	CLA	O2A-CGA-O1A	-2.12	118.32	123.63
14	b5	501	CLA	C1-C2-C3	-2.12	122.72	126.20
14	a5	507	CLA	C1-C2-C3	-2.12	122.72	126.20
14	bA	1107	CLA	O2A-CGA-O1A	-2.12	118.33	123.63
14	cB	1211	CLA	O2A-CGA-O1A	-2.12	118.33	123.63
14	a1	509	CLA	O2A-CGA-O1A	-2.12	118.33	123.63
14	a1	511	CLA	O2A-CGA-O1A	-2.12	118.33	123.63
14	b1	512	CLA	O2A-CGA-O1A	-2.12	118.33	123.63
14	b1	508	CLA	CMB-C2B-C1B	-2.12	122.19	125.42
20	X	822	SQD	O8-S-C6	2.12	110.06	105.97
14	j	509	CLA	C1-C2-C3	-2.12	122.73	126.20
14	b1	505	CLA	O2A-CGA-O1A	-2.12	118.33	123.63
14	aB	1012	CLA	CMB-C2B-C3B	2.12	131.53	126.55
14	aB	1225	CLA	CMB-C2B-C3B	2.12	131.53	126.55
14	i	516	CLA	O2A-CGA-O1A	-2.12	117.89	123.33
17	a1	524	BCR	C11-C12-C13	-2.12	120.56	126.36
14	aA	1127	CLA	CHB-C4A-NA	2.12	127.46	124.40
17	cI	4020	BCR	C28-C27-C26	-2.12	110.28	114.06
14	cA	1111	CLA	O2A-CGA-O1A	-2.12	118.33	123.63
17	T	521	BCR	C38-C26-C27	2.12	118.11	113.60
14	bA	1022	CLA	CMB-C2B-C1B	-2.12	122.20	125.42
17	b5	524	BCR	C38-C26-C27	2.12	118.11	113.60
17	c6	524	BCR	C15-C16-C17	-2.12	119.19	123.52
14	cA	1237	CLA	C1-C2-C3	-2.12	122.73	126.20
14	k	516	CLA	O1A-CGA-CBA	2.12	129.80	123.09
14	aA	1125	CLA	O2A-CGA-O1A	-2.12	118.34	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a5	518	CLA	O2A-CGA-O1A	-2.12	118.34	123.63
14	h	516	CLA	O2A-CGA-O1A	-2.12	117.89	123.33
17	a2	521	BCR	C8-C7-C6	-2.12	121.35	127.00
18	bA	5002	LHG	C27-C26-C25	-2.12	103.68	114.37
14	bA	1102	CLA	O2A-CGA-O1A	-2.11	118.34	123.63
14	b3	512	CLA	O2A-CGA-O1A	-2.11	118.34	123.63
17	d	524	BCR	C23-C24-C25	-2.11	121.35	127.00
14	cB	1021	CLA	O2A-CGA-O1A	-2.11	118.34	123.63
17	a6	521	BCR	C15-C16-C17	-2.11	119.19	123.52
14	cA	1105	CLA	O2A-CGA-O1A	-2.11	118.34	123.63
17	cK	4001	BCR	C33-C5-C4	2.11	118.10	113.60
14	cA	1127	CLA	CHB-C4A-NA	2.11	127.45	124.40
14	l	518	CLA	O2A-CGA-O1A	-2.11	118.34	123.63
14	cA	1134	CLA	C1-C2-C3	-2.11	122.73	126.20
14	c5	510	CLA	C1-C2-C3	-2.11	122.73	126.20
14	a4	502	CLA	O2A-CGA-O1A	-2.11	118.34	123.63
14	cA	1131	CLA	O2A-CGA-O1A	-2.11	118.34	123.63
17	cF	4014	BCR	C27-C26-C25	-2.11	119.85	122.70
14	cB	1222	CLA	CMB-C2B-C1B	-2.11	122.20	125.42
17	d	521	BCR	C20-C19-C18	-2.11	120.57	126.36
14	b2	517	CLA	O2D-CGD-CBD	2.11	114.92	111.23
14	V	502	CLA	O2A-CGA-O1A	-2.11	118.34	123.63
14	Y	518	CLA	O2A-CGA-O1A	-2.11	118.34	123.63
14	a6	518	CLA	O2A-CGA-O1A	-2.11	118.35	123.63
14	cA	1011	CLA	O2A-CGA-O1A	-2.11	118.35	123.63
14	c3	516	CLA	O2A-CGA-O1A	-2.11	117.90	123.33
14	bA	1105	CLA	O2A-CGA-O1A	-2.11	118.35	123.63
14	bA	1116	CLA	O2A-CGA-O1A	-2.11	118.35	123.63
14	b2	503	CLA	O2A-CGA-O1A	-2.11	118.35	123.63
14	aB	1225	CLA	C1-C2-C3	-2.11	122.74	126.20
14	bA	1125	CLA	O2A-CGA-O1A	-2.11	118.35	123.63
14	cA	1126	CLA	CMB-C2B-C1B	-2.11	122.20	125.42
14	bA	1237	CLA	C1-C2-C3	-2.11	122.74	126.20
17	cI	4019	BCR	C38-C26-C27	2.11	118.10	113.60
17	aK	4001	BCR	C8-C7-C6	-2.11	121.36	127.00
18	cA	5002	LHG	C27-C26-C25	-2.11	103.70	114.37
14	b3	507	CLA	C1-C2-C3	-2.11	122.74	126.20
14	a5	505	CLA	O2A-CGA-O1A	-2.11	118.35	123.63
14	cB	1223	CLA	C1-C2-C3	-2.11	122.74	126.20
14	a4	513	CLA	O2A-CGA-O1A	-2.11	118.35	123.63
14	b3	508	CLA	O2A-CGA-O1A	-2.11	118.35	123.63
17	S	521	BCR	C38-C26-C27	2.11	118.09	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a1	507	CLA	O2A-CGA-O1A	-2.11	118.35	123.63
14	o	503	CLA	O2A-CGA-O1A	-2.11	118.35	123.63
17	cB	4006	BCR	C38-C26-C27	2.11	118.09	113.60
14	aB	1023	CLA	O2A-CGA-O1A	-2.11	118.35	123.63
17	X	524	BCR	C28-C27-C26	-2.11	110.30	114.06
14	cA	1135	CLA	C1-C2-C3	-2.11	122.74	126.20
14	m	513	CLA	C1-C2-C3	-2.11	122.74	126.20
14	V	508	CLA	CMB-C2B-C1B	-2.11	122.21	125.42
14	aB	1206	CLA	O2A-CGA-O1A	-2.11	118.36	123.63
14	X	503	CLA	O2A-CGA-O1A	-2.11	118.36	123.63
14	h	518	CLA	O2A-CGA-O1A	-2.11	118.36	123.63
17	Y	523	BCR	C4-C5-C6	-2.11	119.86	122.70
17	bI	4020	BCR	C15-C16-C17	-2.11	119.21	123.52
14	a4	503	CLA	O2A-CGA-O1A	-2.11	118.36	123.63
14	cA	1125	CLA	O2A-CGA-O1A	-2.11	118.36	123.63
14	a5	505	CLA	C1-C2-C3	-2.11	122.75	126.20
14	aA	1132	CLA	O2A-CGA-O1A	-2.11	118.36	123.63
14	V	504	CLA	O2A-CGA-O1A	-2.11	118.36	123.63
14	Y	503	CLA	O2A-CGA-O1A	-2.11	118.36	123.63
17	aL	4022	BCR	C23-C24-C25	-2.11	121.37	127.00
17	b5	521	BCR	C8-C7-C6	-2.11	121.37	127.00
14	c1	518	CLA	O2A-CGA-O1A	-2.11	118.36	123.63
14	cL	1501	CLA	CMB-C2B-C1B	-2.11	122.21	125.42
17	cA	4008	BCR	C16-C15-C14	-2.11	119.21	123.52
17	aB	4010	BCR	C36-C18-C19	2.11	121.30	118.09
17	aK	4001	BCR	C35-C13-C12	2.11	121.30	118.09
14	aA	1101	CLA	O2A-CGA-O1A	-2.11	118.36	123.63
14	X	505	CLA	O2A-CGA-O1A	-2.11	118.36	123.63
17	c6	521	BCR	C33-C5-C4	2.10	118.08	113.60
14	bB	1219	CLA	CMB-C2B-C3B	2.10	131.50	126.55
14	aB	1207	CLA	O2A-CGA-O1A	-2.10	118.36	123.63
14	b2	508	CLA	O2A-CGA-O1A	-2.10	118.36	123.63
14	bB	1206	CLA	C1-C2-C3	-2.10	122.75	126.20
17	b5	522	BCR	C15-C16-C17	-2.10	119.21	123.52
14	b6	510	CLA	CMB-C2B-C1B	-2.10	122.22	125.42
17	d	523	BCR	C23-C24-C25	-2.10	121.38	127.00
14	W	513	CLA	O2A-CGA-O1A	-2.10	118.36	123.63
17	c1	523	BCR	C16-C15-C14	-2.10	119.21	123.52
17	cA	4007	BCR	C11-C12-C13	-2.10	120.59	126.36
14	a1	510	CLA	C1-C2-C3	-2.10	122.75	126.20
14	bB	1222	CLA	C1-C2-C3	-2.10	122.75	126.20
20	b6	822	SQD	O6-C1-C2	2.10	111.47	108.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	j	521	BCR	C2-C1-C6	2.10	113.50	110.44
14	a3	512	CLA	O2A-CGA-O1A	-2.10	118.37	123.63
14	cB	1213	CLA	O2A-CGA-O1A	-2.10	118.37	123.63
14	b5	510	CLA	C1-C2-C3	-2.10	122.75	126.20
17	bI	4018	BCR	C33-C5-C6	-2.10	122.19	124.48
14	c5	502	CLA	O2A-CGA-O1A	-2.10	118.37	123.63
14	T	518	CLA	O2A-CGA-O1A	-2.10	118.37	123.63
14	T	502	CLA	O2A-CGA-O1A	-2.10	118.37	123.63
17	bI	4018	BCR	C33-C5-C4	2.10	118.08	113.60
14	aB	1213	CLA	O2A-CGA-O1A	-2.10	118.37	123.63
14	bA	1112	CLA	O2A-CGA-O1A	-2.10	118.37	123.63
17	b5	521	BCR	C11-C12-C13	-2.10	120.60	126.36
14	bB	1206	CLA	O2A-CGA-O1A	-2.10	118.37	123.63
14	c	508	CLA	O2A-CGA-O1A	-2.10	118.37	123.63
14	cL	1501	CLA	O2A-CGA-O1A	-2.10	118.37	123.63
17	a	523	BCR	C16-C15-C14	-2.10	119.22	123.52
14	bA	1132	CLA	O2D-CGD-CBD	2.10	114.90	111.23
14	aA	1105	CLA	O2A-CGA-O1A	-2.10	118.37	123.63
14	aL	1502	CLA	C1-C2-C3	-2.10	122.75	126.20
14	b5	508	CLA	O2A-CGA-O1A	-2.10	118.37	123.63
18	bA	5001	LHG	C27-C26-C25	-2.10	103.75	114.37
17	g	523	BCR	C11-C12-C13	-2.10	120.60	126.36
14	aB	1219	CLA	CMB-C2B-C3B	2.10	131.49	126.55
14	a5	508	CLA	O2A-CGA-O1A	-2.10	118.38	123.63
14	c2	519	CLA	O2A-CGA-O1A	-2.10	118.38	123.63
14	cA	1022	CLA	CMB-C2B-C1B	-2.10	122.22	125.42
17	c2	523	BCR	C10-C11-C12	-2.10	117.12	123.20
17	aB	4004	BCR	C38-C26-C27	2.10	118.07	113.60
17	bI	4020	BCR	C28-C27-C26	-2.10	110.31	114.06
20	Y	822	SQD	C44-O6-C1	2.10	118.30	113.80
14	aL	1502	CLA	O2A-CGA-O1A	-2.10	118.38	123.63
14	bB	1209	CLA	O2A-CGA-O1A	-2.10	118.38	123.63
14	c2	518	CLA	O2A-CGA-O1A	-2.10	118.38	123.63
17	a	521	BCR	C11-C12-C13	-2.10	120.61	126.36
17	cI	4020	BCR	C15-C16-C17	-2.10	119.22	123.52
14	cB	1201	CLA	C1-C2-C3	-2.10	122.76	126.20
14	bB	1219	CLA	C1-C2-C3	-2.10	122.76	126.20
17	d	521	BCR	C11-C12-C13	-2.10	120.61	126.36
20	Y	822	SQD	O48-C23-C24	2.10	118.23	111.83
14	a3	509	CLA	O2A-CGA-O1A	-2.10	118.38	123.63
14	b1	509	CLA	O2A-CGA-O1A	-2.10	118.38	123.63
14	c1	516	CLA	O2A-CGA-O1A	-2.10	118.38	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	c2	508	CLA	O2A-CGA-O1A	-2.10	118.38	123.63
17	X	521	BCR	C2-C1-C6	2.10	113.48	110.44
14	q	501	CLA	O2A-CGA-O1A	-2.10	118.39	123.63
17	aI	4018	BCR	C33-C5-C6	-2.10	122.20	124.48
17	W	521	BCR	C11-C12-C13	-2.10	120.62	126.36
14	cA	1136	CLA	O2D-CGD-CBD	2.10	114.89	111.23
14	k	517	CLA	O2A-CGA-O1A	-2.10	117.94	123.33
20	a3	822	SQD	C4-C3-C2	2.10	114.51	110.83
14	bA	1122	CLA	O2A-CGA-O1A	-2.10	118.39	123.63
14	d	510	CLA	O2A-CGA-O1A	-2.10	118.39	123.63
17	d	524	BCR	C1-C6-C5	-2.10	119.77	122.64
14	bA	1124	CLA	O2A-CGA-O1A	-2.10	118.39	123.63
14	a	503	CLA	O2A-CGA-O1A	-2.10	118.39	123.63
14	a3	503	CLA	O2A-CGA-O1A	-2.09	118.39	123.63
14	aB	1021	CLA	C1-C2-C3	-2.09	122.77	126.20
17	q	523	BCR	C15-C16-C17	-2.09	119.23	123.52
17	Y	521	BCR	C33-C5-C4	2.09	118.06	113.60
17	aL	4022	BCR	C21-C20-C19	-2.09	117.13	123.20
14	X	502	CLA	O2A-CGA-O1A	-2.09	118.39	123.63
14	q	516	CLA	CHB-C4A-NA	2.09	127.42	124.40
14	cA	1101	CLA	O2A-CGA-O1A	-2.09	118.39	123.63
17	b2	521	BCR	C20-C19-C18	-2.09	120.62	126.36
14	aA	1120	CLA	O2A-CGA-O1A	-2.09	118.39	123.63
14	a6	501	CLA	O2A-CGA-O1A	-2.09	118.39	123.63
14	p	519	CLA	CHB-C4A-NA	2.09	127.42	124.40
18	cA	5001	LHG	C27-C26-C25	-2.09	103.79	114.37
17	cA	4003	BCR	C11-C12-C13	-2.09	120.62	126.36
14	b2	516	CLA	O1A-CGA-CBA	2.09	129.73	123.09
14	c3	501	CLA	O2A-CGA-O1A	-2.09	118.39	123.63
20	Z	822	SQD	O8-S-C6	2.09	110.01	105.97
14	a6	502	CLA	O2A-CGA-O1A	-2.09	118.39	123.63
14	bB	1023	CLA	O2A-CGA-O1A	-2.09	118.39	123.63
14	cL	1502	CLA	O2A-CGA-O1A	-2.09	118.39	123.63
14	bB	1222	CLA	CMB-C2B-C1B	-2.09	122.23	125.42
17	n	524	BCR	C38-C26-C27	2.09	118.06	113.60
14	aA	1111	CLA	O2A-CGA-O1A	-2.09	118.39	123.63
14	c6	508	CLA	O2A-CGA-O1A	-2.09	118.39	123.63
14	b	505	CLA	O2A-CGA-O1A	-2.09	118.39	123.63
14	q	510	CLA	O2A-CGA-O1A	-2.09	118.40	123.63
17	e	523	BCR	C20-C19-C18	-2.09	120.63	126.36
14	aA	1132	CLA	O2D-CGD-CBD	2.09	114.89	111.23
18	aA	5001	LHG	C5-O7-C7	-2.09	112.79	117.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	aA	1112	CLA	O2A-CGA-O1A	-2.09	118.40	123.63
14	cA	1107	CLA	O2A-CGA-O1A	-2.09	118.40	123.63
14	c1	507	CLA	O2A-CGA-O1A	-2.09	118.40	123.63
14	a	501	CLA	O2A-CGA-O1A	-2.09	118.40	123.63
17	f	524	BCR	C11-C12-C13	-2.09	120.63	126.36
14	aA	1107	CLA	O2A-CGA-O1A	-2.09	118.40	123.63
14	b4	519	CLA	O2A-CGA-O1A	-2.09	118.40	123.63
14	cA	1119	CLA	CMB-C2B-C1B	-2.09	122.24	125.42
17	f	521	BCR	C16-C15-C14	-2.09	119.24	123.52
14	a2	508	CLA	O2A-CGA-O1A	-2.09	118.40	123.63
14	bA	1119	CLA	CMB-C2B-C1B	-2.09	122.24	125.42
17	a5	521	BCR	C23-C24-C25	-2.09	121.42	127.00
14	cA	1130	CLA	CMB-C2B-C3B	2.09	131.47	126.55
14	b5	501	CLA	O2A-CGA-O1A	-2.09	118.40	123.63
14	cB	1219	CLA	CMB-C2B-C3B	2.09	131.46	126.55
14	aB	1021	CLA	O2A-CGA-O1A	-2.09	118.40	123.63
14	cA	1102	CLA	O2A-CGA-O1A	-2.09	118.40	123.63
14	cB	1230	CLA	O2A-CGA-O1A	-2.09	118.40	123.63
14	q	509	CLA	C1-C2-C3	-2.09	122.78	126.20
14	q	505	CLA	CMB-C2B-C1B	-2.09	122.24	125.42
14	aJ	1302	CLA	O2D-CGD-CBD	2.09	114.88	111.23
14	a3	505	CLA	O2A-CGA-O1A	-2.09	118.40	123.63
17	aI	4019	BCR	C38-C26-C27	2.09	118.05	113.60
14	cB	1206	CLA	O2A-CGA-O1A	-2.09	118.41	123.63
14	cA	1115	CLA	C1-C2-C3	-2.09	122.78	126.20
17	l	521	BCR	C16-C15-C14	-2.09	119.25	123.52
14	a1	504	CLA	O2A-CGA-O1A	-2.09	118.41	123.63
14	X	507	CLA	O2A-CGA-O1A	-2.09	118.41	123.63
17	b	521	BCR	C11-C12-C13	-2.09	120.64	126.36
17	b3	522	BCR	C8-C7-C6	-2.09	121.42	127.00
14	b2	509	CLA	O2A-CGA-O1A	-2.09	118.41	123.63
14	Y	506	CLA	CMB-C2B-C1B	-2.09	122.24	125.42
17	b4	521	BCR	C38-C26-C27	2.09	118.05	113.60
17	c2	522	BCR	C8-C7-C6	-2.09	121.42	127.00
14	aB	1210	CLA	O2A-CGA-O1A	-2.09	118.41	123.63
14	a5	512	CLA	O2A-CGA-O1A	-2.09	118.41	123.63
14	b5	502	CLA	O2A-CGA-O1A	-2.09	118.41	123.63
14	cA	1121	CLA	O2A-CGA-O1A	-2.09	118.41	123.63
14	bA	1131	CLA	C1-C2-C3	-2.09	122.78	126.20
14	b1	510	CLA	C1-C2-C3	-2.09	122.78	126.20
14	j	510	CLA	C1-C2-C3	-2.09	122.78	126.20
20	i	822	SQD	C4-C3-C2	2.09	114.49	110.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	k	523	BCR	C23-C24-C25	-2.09	121.42	127.00
14	b3	519	CLA	O2A-CGA-O1A	-2.09	118.41	123.63
17	c	521	BCR	C20-C19-C18	-2.09	120.64	126.36
14	S	511	CLA	O2A-CGA-O1A	-2.09	118.41	123.63
14	c2	512	CLA	O2A-CGA-O1A	-2.09	118.41	123.63
14	b5	512	CLA	C1-C2-C3	-2.09	122.78	126.20
17	a1	522	BCR	C21-C20-C19	-2.09	117.16	123.20
17	aA	4007	BCR	C15-C16-C17	-2.09	119.25	123.52
14	V	508	CLA	O2A-CGA-O1A	-2.09	118.41	123.63
21	aJ	5104	LMG	O2-C2-C1	-2.09	105.11	110.08
17	b	521	BCR	C38-C26-C27	2.09	118.04	113.60
14	bA	1103	CLA	CMB-C2B-C1B	-2.09	122.24	125.42
14	bA	1136	CLA	O2D-CGD-CBD	2.09	114.88	111.23
14	b4	508	CLA	O2A-CGA-O1A	-2.08	118.41	123.63
17	cB	4010	BCR	C36-C18-C19	2.08	121.27	118.09
17	c2	524	BCR	C28-C27-C26	-2.08	110.34	114.06
14	a2	503	CLA	O2A-CGA-O1A	-2.08	118.42	123.63
14	i	510	CLA	O2A-CGA-O1A	-2.08	118.42	123.63
17	bL	4022	BCR	C23-C24-C25	-2.08	121.43	127.00
14	Y	505	CLA	O2A-CGA-O1A	-2.08	118.42	123.63
17	cB	4010	BCR	C21-C20-C19	-2.08	117.16	123.20
21	bB	5002	LMG	O1-C1-C2	-2.08	105.11	108.27
14	q	508	CLA	CMB-C2B-C1B	-2.08	122.25	125.42
17	k	522	BCR	C20-C19-C18	-2.08	120.65	126.36
14	aA	1137	CLA	C1-C2-C3	-2.08	122.78	126.20
17	cF	4015	BCR	C28-C27-C26	-2.08	110.34	114.06
17	a4	522	BCR	C21-C20-C19	-2.08	117.17	123.20
14	a2	519	CLA	O2A-CGA-O1A	-2.08	118.42	123.63
14	c2	503	CLA	O2A-CGA-O1A	-2.08	118.42	123.63
14	aB	1211	CLA	O2A-CGA-O1A	-2.08	118.42	123.63
17	q	524	BCR	C38-C26-C27	2.08	118.03	113.60
14	bA	1134	CLA	C1-C2-C3	-2.08	122.79	126.20
17	c5	522	BCR	C29-C30-C25	2.08	113.46	110.44
17	c3	521	BCR	C23-C24-C25	-2.08	121.44	127.00
20	b4	822	SQD	C1-O5-C5	2.08	117.78	113.72
17	T	522	BCR	C15-C16-C17	-2.08	119.26	123.52
17	k	523	BCR	C15-C16-C17	-2.08	119.26	123.52
21	a2	5104	LMG	O1-C1-C2	-2.08	105.11	108.27
14	b1	502	CLA	O2A-CGA-O1A	-2.08	118.42	123.63
14	b4	503	CLA	O2A-CGA-O1A	-2.08	118.42	123.63
14	c4	502	CLA	O2A-CGA-O1A	-2.08	118.42	123.63
14	bB	1221	CLA	CMB-C2B-C1B	-2.08	122.25	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	W	501	CLA	O2A-CGA-O1A	-2.08	118.42	123.63
17	X	523	BCR	C34-C9-C8	2.08	121.27	118.09
17	h	523	BCR	C23-C24-C25	-2.08	121.44	127.00
14	c1	511	CLA	O2A-CGA-O1A	-2.08	118.42	123.63
14	c3	512	CLA	O2A-CGA-O1A	-2.08	118.42	123.63
17	c3	524	BCR	C1-C6-C7	2.08	121.29	115.65
17	Y	524	BCR	C1-C6-C5	-2.08	119.79	122.64
14	d	509	CLA	C1-C2-C3	-2.08	122.79	126.20
14	f	510	CLA	CMB-C2B-C1B	-2.08	122.25	125.42
17	V	524	BCR	C15-C16-C17	-2.08	119.27	123.52
20	b3	822	SQD	C1-O5-C5	2.08	117.78	113.72
14	Z	501	CLA	O2A-CGA-O1A	-2.08	118.43	123.63
17	e	521	BCR	C11-C12-C13	-2.08	120.66	126.36
17	aJ	4012	BCR	C2-C1-C6	2.08	113.46	110.44
17	c5	523	BCR	C15-C16-C17	-2.08	119.27	123.52
14	bA	1101	CLA	O2A-CGA-O1A	-2.08	118.43	123.63
14	bA	1105	CLA	CMB-C2B-C1B	-2.08	122.25	125.42
17	d	523	BCR	C33-C5-C4	2.08	118.03	113.60
14	a4	506	CLA	CMB-C2B-C3B	2.08	131.44	126.55
14	a1	508	CLA	O2A-CGA-O1A	-2.08	118.43	123.63
14	a3	519	CLA	O2A-CGA-O1A	-2.08	118.43	123.63
14	b5	519	CLA	O2A-CGA-O1A	-2.08	118.43	123.63
17	m	524	BCR	C20-C19-C18	-2.08	120.67	126.36
17	b1	524	BCR	C1-C6-C5	-2.08	119.80	122.64
14	c6	516	CLA	CMB-C2B-C1B	-2.08	122.26	125.42
17	d	523	BCR	C11-C12-C13	-2.08	120.67	126.36
14	b1	508	CLA	O2A-CGA-O1A	-2.08	118.43	123.63
14	j	510	CLA	O2A-CGA-O1A	-2.08	118.44	123.63
17	c4	521	BCR	C11-C12-C13	-2.08	120.67	126.36
14	bB	1215	CLA	C1-C2-C3	-2.08	122.80	126.20
14	c3	501	CLA	C1-C2-C3	-2.08	122.80	126.20
17	c2	522	BCR	C21-C20-C19	-2.08	117.19	123.20
14	b5	511	CLA	O2A-CGA-O1A	-2.08	118.44	123.63
17	b2	521	BCR	C2-C1-C6	2.07	113.45	110.44
14	aA	1121	CLA	O2A-CGA-O1A	-2.07	118.44	123.63
14	c5	513	CLA	O2A-CGA-O1A	-2.07	118.44	123.63
17	c4	521	BCR	C20-C19-C18	-2.07	120.67	126.36
14	a1	504	CLA	C1-C2-C3	-2.07	122.80	126.20
14	bA	1125	CLA	C1-C2-C3	-2.07	122.80	126.20
14	c1	510	CLA	C1-C2-C3	-2.07	122.80	126.20
17	a5	523	BCR	C37-C22-C23	2.07	121.26	118.09
14	b5	516	CLA	O2A-CGA-O1A	-2.07	118.44	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	c3	524	BCR	C11-C12-C13	-2.07	120.67	126.36
17	a2	523	BCR	C23-C24-C25	-2.07	121.46	127.00
17	b1	524	BCR	C21-C20-C19	-2.07	117.19	123.20
14	aA	1124	CLA	C1-C2-C3	-2.07	122.80	126.20
17	m	523	BCR	C11-C12-C13	-2.07	120.68	126.36
14	b2	501	CLA	O2A-CGA-O1A	-2.07	118.44	123.63
14	o	509	CLA	O2A-CGA-O1A	-2.07	118.00	123.33
17	h	524	BCR	C16-C15-C14	-2.07	119.28	123.52
17	X	521	BCR	C23-C24-C25	-2.07	121.46	127.00
17	aJ	4013	BCR	C38-C26-C27	2.07	118.02	113.60
17	c5	521	BCR	C33-C5-C4	2.07	118.02	113.60
14	c6	518	CLA	O2A-CGA-O1A	-2.07	118.44	123.63
14	S	510	CLA	C1-C2-C3	-2.07	122.80	126.20
14	b2	513	CLA	O2A-CGA-O1A	-2.07	118.44	123.63
14	k	501	CLA	O2A-CGA-O1A	-2.07	118.44	123.63
17	T	523	BCR	C16-C15-C14	-2.07	119.28	123.52
14	a4	501	CLA	C1-C2-C3	-2.07	122.80	126.20
14	b1	509	CLA	C1-C2-C3	-2.07	122.80	126.20
14	o	518	CLA	O2A-CGA-O1A	-2.07	118.44	123.63
14	aB	1211	CLA	O2D-CGD-CBD	2.07	114.85	111.23
17	g	524	BCR	C28-C27-C26	-2.07	110.36	114.06
14	a1	501	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
14	a6	507	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
14	c6	501	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
20	b3	822	SQD	O6-C1-C2	2.07	111.42	108.27
20	m	822	SQD	O8-S-C6	2.07	109.97	105.97
14	a2	507	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
14	c3	508	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
14	cA	1137	CLA	C1-C2-C3	-2.07	122.80	126.20
14	b3	504	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
14	c5	512	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
14	Y	508	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
17	a3	523	BCR	C4-C5-C6	-2.07	119.91	122.70
14	bA	1011	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
14	b1	513	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
17	c6	521	BCR	C20-C19-C18	-2.07	120.69	126.36
14	aA	1115	CLA	C1-C2-C3	-2.07	122.81	126.20
14	c1	507	CLA	C1-C2-C3	-2.07	122.81	126.20
14	b2	503	CLA	CMB-C2B-C1B	-2.07	122.27	125.42
14	a4	519	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
14	b1	507	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
14	cB	1215	CLA	O2A-CGA-O1A	-2.07	118.45	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	d	523	BCR	C4-C5-C6	-2.07	119.91	122.70
17	j	521	BCR	C33-C5-C4	2.07	118.01	113.60
14	a4	501	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
14	bL	1502	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
14	c5	508	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
14	l	502	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
17	X	521	BCR	C33-C5-C4	2.07	118.01	113.60
14	bB	1021	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
14	b4	507	CLA	C1-C2-C3	-2.07	122.81	126.20
14	cB	1217	CLA	C1-C2-C3	-2.07	122.81	126.20
21	c1	5104	LMG	O1-C7-C8	-2.07	105.79	110.82
14	b1	501	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
14	cB	1234	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
14	c5	507	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
14	p	505	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
17	c2	523	BCR	C33-C5-C4	2.07	118.01	113.60
14	a1	508	CLA	CMB-C2B-C1B	-2.07	122.27	125.42
14	a5	508	CLA	CMB-C2B-C1B	-2.07	122.27	125.42
14	h	507	CLA	CMB-C2B-C1B	-2.07	122.27	125.42
17	b2	524	BCR	C23-C24-C25	-2.07	121.47	127.00
14	aA	1123	CLA	C1-C2-C3	-2.07	122.81	126.20
14	b6	510	CLA	C1-C2-C3	-2.07	122.81	126.20
14	c	502	CLA	C1-C2-C3	-2.07	122.81	126.20
14	bB	1236	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
14	T	509	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
17	j	522	BCR	C23-C24-C25	-2.07	121.47	127.00
14	X	518	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
14	Y	509	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
14	q	501	CLA	C1-C2-C3	-2.07	122.81	126.20
14	q	516	CLA	O2D-CGD-CBD	2.07	114.84	111.23
17	h	524	BCR	C20-C19-C18	-2.07	120.69	126.36
17	bJ	4013	BCR	C16-C15-C14	-2.07	119.29	123.52
14	aB	1204	CLA	O2A-CGA-O1A	-2.07	118.46	123.63
17	bI	4019	BCR	C38-C26-C27	2.07	118.00	113.60
17	q	521	BCR	C33-C5-C4	2.07	118.00	113.60
14	a2	501	CLA	O2A-CGA-O1A	-2.07	118.46	123.63
17	a5	521	BCR	C20-C19-C18	-2.07	120.69	126.36
14	c	501	CLA	O2A-CGA-O1A	-2.07	118.46	123.63
14	c1	513	CLA	C1-C2-C3	-2.07	122.81	126.20
17	bI	4020	BCR	C10-C11-C12	-2.07	117.21	123.20
14	n	505	CLA	O2A-CGA-O1A	-2.07	118.46	123.63
18	cA	5003	LHG	C18-C17-C16	-2.07	103.92	114.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	a1	512	CLA	O2A-CGA-O1A	-2.07	118.46	123.63
14	a2	512	CLA	O2A-CGA-O1A	-2.07	118.46	123.63
14	a4	507	CLA	O2A-CGA-O1A	-2.07	118.46	123.63
14	b3	511	CLA	O2A-CGA-O1A	-2.07	118.46	123.63
14	cB	1238	CLA	C1-C2-C3	-2.07	122.81	126.20
14	n	509	CLA	C1-C2-C3	-2.07	122.81	126.20
17	b1	521	BCR	C11-C12-C13	-2.07	120.70	126.36
14	a3	501	CLA	O2A-CGA-O1A	-2.07	118.46	123.63
17	aL	4022	BCR	C33-C5-C4	2.07	118.00	113.60
17	bM	4021	BCR	C38-C26-C27	2.07	118.00	113.60
14	a4	510	CLA	CMB-C2B-C1B	-2.07	122.27	125.42
14	b3	516	CLA	CMB-C2B-C1B	-2.07	122.27	125.42
14	aB	1239	CLA	O2A-CGA-O1A	-2.07	118.46	123.63
17	cI	4020	BCR	C10-C11-C12	-2.07	117.22	123.20
17	a	521	BCR	C20-C19-C18	-2.06	120.70	126.36
14	b1	510	CLA	O2A-CGA-O1A	-2.06	118.46	123.63
14	b5	513	CLA	O2A-CGA-O1A	-2.06	118.46	123.63
17	X	523	BCR	C33-C5-C4	2.06	118.00	113.60
17	W	523	BCR	C23-C24-C25	-2.06	121.48	127.00
14	cA	1132	CLA	O2D-CGD-CBD	2.06	114.84	111.23
17	aB	4006	BCR	C15-C16-C17	-2.06	119.30	123.52
17	cA	4007	BCR	C15-C16-C17	-2.06	119.30	123.52
21	cJ	5104	LMG	O2-C2-C1	-2.06	105.16	110.08
17	o	522	BCR	C21-C20-C19	-2.06	117.22	123.20
14	cB	1201	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
14	g	501	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
14	c6	507	CLA	C1-C2-C3	-2.06	122.82	126.20
14	a3	517	CLA	O2A-CGA-O1A	-2.06	118.03	123.33
14	a3	513	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
14	a6	505	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
14	cB	1210	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
17	p	524	BCR	C4-C5-C6	-2.06	119.92	122.70
17	i	524	BCR	C38-C26-C27	2.06	118.00	113.60
14	bA	1115	CLA	C1-C2-C3	-2.06	122.82	126.20
17	V	523	BCR	C16-C15-C14	-2.06	119.30	123.52
14	d	508	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
20	S	822	SQD	O8-S-C6	2.06	109.95	105.97
17	aB	4004	BCR	C33-C5-C4	2.06	117.99	113.60
14	aA	1136	CLA	O2D-CGD-CBD	2.06	114.84	111.23
14	aA	1109	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
14	bB	1224	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
14	b3	518	CLA	O2A-CGA-O1A	-2.06	118.47	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b4	505	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
14	Y	501	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
14	c4	502	CLA	C1-C2-C3	-2.06	122.82	126.20
14	cA	1122	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
14	c3	513	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
17	bA	4008	BCR	C34-C9-C8	2.06	121.24	118.09
17	bA	4008	BCR	C16-C15-C14	-2.06	119.30	123.52
14	cB	1203	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
14	cB	1236	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
14	c3	503	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
17	b6	523	BCR	C20-C19-C18	-2.06	120.71	126.36
18	cX	4021	LHG	C5-O7-C7	-2.06	112.86	117.80
14	aA	1130	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
20	c1	822	SQD	O8-S-C6	2.06	109.95	105.97
14	a6	502	CLA	C1-C2-C3	-2.06	122.82	126.20
14	cA	1011	CLA	C1-C2-C3	-2.06	122.82	126.20
17	c2	521	BCR	C15-C16-C17	-2.06	119.30	123.52
14	X	501	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
14	U	508	CLA	C1-C2-C3	-2.06	123.43	126.76
21	a1	5104	LMG	O2-C2-C1	-2.06	105.17	110.08
17	a2	524	BCR	C23-C24-C25	-2.06	121.49	127.00
14	a	506	CLA	CMB-C2B-C1B	-2.06	122.28	125.42
14	b	510	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
17	bF	4015	BCR	C28-C27-C26	-2.06	110.38	114.06
14	bB	1223	CLA	C1-C2-C3	-2.06	122.82	126.20
14	cB	1012	CLA	CMB-C2B-C3B	2.06	131.40	126.55
14	cA	1116	CLA	O2A-CGA-O1A	-2.06	118.48	123.63
14	aB	1214	CLA	CMB-C2B-C3B	2.06	131.39	126.55
14	a3	507	CLA	O2A-CGA-O1A	-2.06	118.48	123.63
14	a5	513	CLA	O2A-CGA-O1A	-2.06	118.48	123.63
14	a2	505	CLA	CMB-C2B-C1B	-2.06	122.28	125.42
14	cA	1104	CLA	O2A-CGA-O1A	-2.06	118.48	123.63
14	cB	1023	CLA	O2A-CGA-O1A	-2.06	118.48	123.63
14	bA	1138	CLA	C1-C2-C3	-2.06	122.82	126.20
14	bA	1109	CLA	O2A-CGA-O1A	-2.06	118.48	123.63
17	aI	4020	BCR	C28-C27-C26	-2.06	110.39	114.06
14	j	501	CLA	CHB-C4A-NA	2.06	127.37	124.40
14	c6	509	CLA	O2A-CGA-O1A	-2.06	118.48	123.63
17	a6	524	BCR	C11-C12-C13	-2.06	120.72	126.36
14	bA	1102	CLA	CAA-CBA-CGA	-2.06	107.36	113.21
14	a3	511	CLA	O2A-CGA-O1A	-2.06	118.48	123.63
14	c5	501	CLA	O2A-CGA-O1A	-2.06	118.48	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	i	505	CLA	CMB-C2B-C1B	-2.06	122.29	125.42
17	n	521	BCR	C11-C12-C13	-2.06	120.72	126.36
20	c3	822	SQD	C4-C3-C2	2.06	114.44	110.83
14	aB	1202	CLA	C1-C2-C3	-2.06	122.83	126.20
14	b1	511	CLA	O2A-CGA-O1A	-2.06	118.48	123.63
17	b2	521	BCR	C33-C5-C4	2.06	117.98	113.60
17	b4	523	BCR	C15-C16-C17	-2.06	119.31	123.52
14	a3	519	CLA	C1-C2-C3	-2.06	122.83	126.20
14	b5	506	CLA	CMB-C2B-C1B	-2.06	122.29	125.42
17	f	524	BCR	C15-C16-C17	-2.06	119.31	123.52
14	c3	505	CLA	O2A-CGA-O1A	-2.06	118.48	123.63
14	Z	509	CLA	O2A-CGA-O1A	-2.06	118.48	123.63
17	bA	4002	BCR	C2-C1-C6	2.06	113.42	110.44
14	a2	503	CLA	CMB-C2B-C1B	-2.06	122.29	125.42
14	i	508	CLA	CMB-C2B-C1B	-2.06	122.29	125.42
17	bB	4010	BCR	C36-C18-C19	2.06	121.23	118.09
17	i	523	BCR	C11-C12-C13	-2.06	120.73	126.36
14	cB	1021	CLA	CHB-C4A-NA	2.06	127.37	124.40
14	aB	1224	CLA	O2A-CGA-O1A	-2.06	118.49	123.63
17	n	523	BCR	C16-C15-C14	-2.06	119.31	123.52
20	a3	822	SQD	C44-O6-C1	2.05	118.20	113.80
14	b4	502	CLA	O2A-CGA-O1A	-2.05	118.49	123.63
20	X	822	SQD	O48-C23-C24	2.05	118.10	111.83
14	b5	505	CLA	O2A-CGA-O1A	-2.05	118.49	123.63
17	a4	522	BCR	C8-C7-C6	-2.05	121.51	127.00
14	cB	1204	CLA	C1-C2-C3	-2.05	122.83	126.20
14	b5	508	CLA	CMB-C2B-C1B	-2.05	122.29	125.42
17	c5	523	BCR	C16-C15-C14	-2.05	119.32	123.52
17	cF	4016	BCR	C11-C12-C13	-2.05	120.73	126.36
14	aB	1212	CLA	O2D-CGD-CBD	2.05	114.82	111.23
17	a1	521	BCR	C20-C19-C18	-2.05	120.73	126.36
14	aB	1234	CLA	O2A-CGA-O1A	-2.05	118.49	123.63
14	c1	501	CLA	O2A-CGA-O1A	-2.05	118.49	123.63
14	m	513	CLA	O2A-CGA-O1A	-2.05	118.49	123.63
17	q	521	BCR	C23-C24-C25	-2.05	121.51	127.00
14	e	507	CLA	O2A-CGA-O1A	-2.05	118.49	123.63
14	b5	518	CLA	C1-C2-C3	-2.05	122.83	126.20
14	aA	1130	CLA	CMB-C2B-C3B	2.05	131.38	126.55
17	c5	521	BCR	C20-C19-C18	-2.05	120.73	126.36
14	b5	512	CLA	O2A-CGA-O1A	-2.05	118.49	123.63
14	W	513	CLA	CMB-C2B-C1B	-2.05	122.29	125.42
17	a3	521	BCR	C2-C1-C6	2.05	113.42	110.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	c3	523	BCR	C23-C24-C25	-2.05	121.52	127.00
14	a2	503	CLA	C1-C2-C3	-2.05	122.83	126.20
14	b3	509	CLA	C1-C2-C3	-2.05	122.83	126.20
14	a1	516	CLA	CHB-C4A-NA	2.05	127.36	124.40
14	bA	1022	CLA	CMB-C2B-C3B	2.05	131.38	126.55
14	W	505	CLA	CMB-C2B-C3B	2.05	131.38	126.55
14	m	510	CLA	CMB-C2B-C3B	2.05	131.38	126.55
14	c1	503	CLA	O2A-CGA-O1A	-2.05	118.50	123.63
14	a1	513	CLA	CMB-C2B-C1B	-2.05	122.30	125.42
17	X	523	BCR	C38-C26-C27	2.05	117.97	113.60
14	b3	501	CLA	O2A-CGA-O1A	-2.05	118.50	123.63
14	Z	501	CLA	C1-C2-C3	-2.05	122.84	126.20
17	a1	521	BCR	C15-C16-C17	-2.05	119.32	123.52
14	bB	1205	CLA	O2D-CGD-CBD	2.05	114.81	111.23
17	cL	4022	BCR	C33-C5-C4	2.05	117.97	113.60
14	bB	1217	CLA	C1-C2-C3	-2.05	122.84	126.20
14	cA	1122	CLA	C1-C2-C3	-2.05	122.84	126.20
14	cB	1205	CLA	O2D-CGD-CBD	2.05	114.81	111.23
17	c5	521	BCR	C11-C12-C13	-2.05	120.74	126.36
17	o	524	BCR	C28-C27-C26	-2.05	110.40	114.06
17	Y	521	BCR	C15-C16-C17	-2.05	119.33	123.52
14	c5	506	CLA	CMB-C2B-C1B	-2.05	122.30	125.42
14	d	510	CLA	CMB-C2B-C1B	-2.05	122.30	125.42
17	a6	522	BCR	C21-C20-C19	-2.05	117.26	123.20
14	h	510	CLA	O2A-CGA-O1A	-2.05	118.50	123.63
17	e	524	BCR	C38-C26-C27	2.05	117.97	113.60
17	a1	523	BCR	C8-C7-C6	-2.05	121.52	127.00
17	T	521	BCR	C8-C7-C6	-2.05	121.52	127.00
14	a	510	CLA	CMB-C2B-C1B	-2.05	122.30	125.42
17	aM	4021	BCR	C10-C11-C12	-2.05	117.26	123.20
14	b3	507	CLA	O2A-CGA-O1A	-2.05	118.50	123.63
17	g	521	BCR	C29-C30-C25	2.05	113.42	110.44
14	b3	510	CLA	O2A-CGA-O1A	-2.05	118.50	123.63
14	V	510	CLA	O2A-CGA-O1A	-2.05	118.50	123.63
14	cA	1125	CLA	C1-C2-C3	-2.05	122.84	126.20
14	aB	1230	CLA	O2A-CGA-O1A	-2.05	118.50	123.63
14	b2	512	CLA	O2A-CGA-O1A	-2.05	118.50	123.63
17	Y	521	BCR	C2-C1-C6	2.05	113.41	110.44
20	T	822	SQD	C3-C4-C5	2.05	113.94	110.23
14	bB	1208	CLA	O2A-CGA-O1A	-2.05	118.51	123.63
14	cB	1217	CLA	O2A-CGA-O1A	-2.05	118.51	123.63
17	m	521	BCR	C8-C7-C6	-2.05	121.53	127.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	e	516	CLA	C3A-C2A-C1A	2.05	104.41	101.34
14	aA	1127	CLA	O2A-CGA-O1A	-2.05	118.51	123.63
14	aA	1128	CLA	O2A-CGA-O1A	-2.05	118.51	123.63
20	b	822	SQD	O8-S-C6	2.05	109.92	105.97
14	cA	1107	CLA	C1-C2-C3	-2.05	122.84	126.20
14	d	510	CLA	C1-C2-C3	-2.05	122.84	126.20
14	cA	1022	CLA	CMB-C2B-C3B	2.05	131.37	126.55
17	b3	521	BCR	C20-C19-C18	-2.05	120.75	126.36
17	i	521	BCR	C8-C7-C6	-2.05	121.53	127.00
14	a5	502	CLA	O2A-CGA-O1A	-2.05	118.51	123.63
14	cA	1109	CLA	O2A-CGA-O1A	-2.05	118.51	123.63
17	a1	521	BCR	C29-C30-C25	2.05	113.41	110.44
18	cA	5001	LHG	C5-O7-C7	-2.05	112.90	117.80
14	c6	503	CLA	O2A-CGA-O1A	-2.05	118.51	123.63
14	aA	1113	CLA	CMB-C2B-C1B	-2.05	122.30	125.42
17	m	522	BCR	C11-C12-C13	-2.05	120.75	126.36
17	aM	4021	BCR	C38-C26-C27	2.05	117.96	113.60
14	cB	1204	CLA	O2A-CGA-O1A	-2.05	118.51	123.63
17	a1	524	BCR	C38-C26-C27	2.05	117.96	113.60
17	cB	4004	BCR	C33-C5-C4	2.05	117.96	113.60
14	bA	1013	CLA	CMB-C2B-C3B	2.05	131.36	126.55
14	b1	506	CLA	CMB-C2B-C1B	-2.05	122.30	125.42
14	aB	1217	CLA	O2A-CGA-O1A	-2.05	118.51	123.63
14	c3	509	CLA	O2A-CGA-O1A	-2.05	118.51	123.63
14	bA	1123	CLA	CMB-C2B-C3B	2.05	131.36	126.55
17	bL	4022	BCR	C2-C1-C6	2.05	113.41	110.44
17	U	523	BCR	C20-C19-C18	-2.05	120.75	126.36
14	j	510	CLA	CMB-C2B-C1B	-2.05	122.31	125.42
14	bA	1113	CLA	CMB-C2B-C3B	2.04	131.36	126.55
17	b5	523	BCR	C3-C4-C5	-2.04	110.41	114.06
14	cB	1224	CLA	O2A-CGA-O1A	-2.04	118.51	123.63
14	cA	1135	CLA	CMB-C2B-C1B	-2.04	122.31	125.42
17	cF	4014	BCR	C35-C13-C12	2.04	121.21	118.09
17	aB	4005	BCR	C15-C16-C17	-2.04	119.34	123.52
17	S	521	BCR	C11-C12-C13	-2.04	120.76	126.36
14	c4	501	CLA	O2A-CGA-O1A	-2.04	118.52	123.63
14	c6	505	CLA	O2A-CGA-O1A	-2.04	118.52	123.63
14	Z	510	CLA	O2A-CGA-O1A	-2.04	118.52	123.63
17	i	522	BCR	C21-C20-C19	-2.04	117.28	123.20
14	bB	1201	CLA	O2A-CGA-O1A	-2.04	118.52	123.63
14	cA	1123	CLA	CMB-C2B-C3B	2.04	131.36	126.55
14	bA	1127	CLA	O2A-CGA-O1A	-2.04	118.52	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	bB	4009	BCR	C27-C26-C25	-2.04	119.94	122.70
14	bA	1110	CLA	O2A-CGA-O1A	-2.04	118.52	123.63
14	bB	1210	CLA	O2A-CGA-O1A	-2.04	118.52	123.63
14	c5	512	CLA	C1-C2-C3	-2.04	122.85	126.20
14	k	519	CLA	CMB-C2B-C3B	2.04	131.35	126.55
17	c4	523	BCR	C11-C12-C13	-2.04	120.76	126.36
17	bI	4019	BCR	C33-C5-C4	2.04	117.95	113.60
14	aB	1208	CLA	O2A-CGA-O1A	-2.04	118.52	123.63
14	W	510	CLA	O2A-CGA-O1A	-2.04	118.52	123.63
17	b1	521	BCR	C8-C7-C6	-2.04	121.54	127.00
17	b1	523	BCR	C23-C24-C25	-2.04	121.54	127.00
17	c6	521	BCR	C16-C15-C14	-2.04	119.34	123.52
14	g	509	CLA	O2A-CGA-O1A	-2.04	118.08	123.33
17	aK	4001	BCR	C33-C5-C4	2.04	117.95	113.60
17	cF	4015	BCR	C11-C12-C13	-2.04	120.76	126.36
14	bB	1203	CLA	O2A-CGA-O1A	-2.04	118.52	123.63
14	W	508	CLA	O2A-CGA-O1A	-2.04	118.52	123.63
14	T	501	CLA	O2A-CGA-O1A	-2.04	118.52	123.63
14	c2	505	CLA	CMB-C2B-C1B	-2.04	122.31	125.42
17	a	523	BCR	C15-C16-C17	-2.04	119.34	123.52
17	p	523	BCR	C21-C20-C19	-2.04	117.29	123.20
14	aA	1022	CLA	CMB-C2B-C3B	2.04	131.35	126.55
17	m	521	BCR	C2-C1-C6	2.04	113.40	110.44
14	aA	1119	CLA	O2A-CGA-O1A	-2.04	118.52	123.63
14	a5	504	CLA	O2A-CGA-O1A	-2.04	118.52	123.63
14	b2	510	CLA	O2A-CGA-O1A	-2.04	118.52	123.63
20	Y	822	SQD	O47-C7-O49	-2.04	118.94	123.70
14	aA	1119	CLA	CMB-C2B-C1B	-2.04	122.31	125.42
14	b4	501	CLA	O2A-CGA-O1A	-2.04	118.53	123.63
14	c5	509	CLA	O2A-CGA-O1A	-2.04	118.53	123.63
14	i	505	CLA	O2A-CGA-O1A	-2.04	118.53	123.63
14	b3	506	CLA	CMB-C2B-C1B	-2.04	122.31	125.42
14	aA	1138	CLA	C1-C2-C3	-2.04	122.86	126.20
14	X	507	CLA	C1-C2-C3	-2.04	122.86	126.20
14	U	505	CLA	CMB-C2B-C3B	2.04	131.35	126.55
17	a6	524	BCR	C21-C20-C19	-2.04	117.29	123.20
14	bB	1234	CLA	O2A-CGA-O1A	-2.04	118.53	123.63
14	V	501	CLA	O2A-CGA-O1A	-2.04	118.53	123.63
14	T	516	CLA	O2D-CGD-CBD	2.04	114.79	111.23
14	b5	509	CLA	C1-C2-C3	-2.04	122.86	126.20
21	a1	5104	LMG	O1-C7-C8	-2.04	105.86	110.82
14	aB	1203	CLA	O2A-CGA-O1A	-2.04	118.53	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	c1	512	CLA	O2A-CGA-O1A	-2.04	118.53	123.63
17	bJ	4013	BCR	C34-C9-C8	2.04	121.20	118.09
14	cB	1023	CLA	O1D-CGD-CBD	2.04	128.54	124.52
21	cB	5002	LMG	C42-C41-C40	-2.04	104.07	114.37
17	q	524	BCR	C1-C6-C5	-2.04	119.85	122.64
14	Y	509	CLA	CMB-C2B-C3B	2.04	131.34	126.55
14	X	510	CLA	O2A-CGA-O1A	-2.04	118.53	123.63
21	cB	5002	LMG	O1-C1-C2	-2.04	105.18	108.27
14	bA	1128	CLA	O2A-CGA-O1A	-2.04	118.53	123.63
17	c4	523	BCR	C21-C20-C19	-2.04	117.30	123.20
14	p	510	CLA	CMB-C2B-C1B	-2.04	122.32	125.42
17	aJ	4013	BCR	C34-C9-C8	2.04	121.20	118.09
17	X	521	BCR	C29-C30-C25	2.04	113.40	110.44
14	aB	1209	CLA	O2A-CGA-O1A	-2.04	118.53	123.63
14	aB	1215	CLA	O2A-CGA-O1A	-2.04	118.53	123.63
14	U	502	CLA	O2A-CGA-O1A	-2.04	118.53	123.63
14	bB	1012	CLA	CHB-C4A-NA	2.04	127.34	124.40
14	f	509	CLA	O2A-CGA-O1A	-2.04	118.09	123.33
14	f	505	CLA	O1A-CGA-CBA	2.04	129.55	123.09
17	aF	4014	BCR	C38-C26-C25	-2.04	122.26	124.48
18	bX	4021	LHG	C5-O7-C7	-2.04	112.92	117.80
14	aA	1110	CLA	O2A-CGA-O1A	-2.04	118.53	123.63
14	a6	513	CLA	O2A-CGA-O1A	-2.04	118.53	123.63
14	cB	1239	CLA	O2A-CGA-O1A	-2.04	118.53	123.63
17	U	522	BCR	C15-C16-C17	-2.04	119.35	123.52
14	aA	1134	CLA	O2A-CGA-O1A	-2.04	118.54	123.63
17	cI	4019	BCR	C8-C7-C6	-2.04	121.56	127.00
17	T	524	BCR	C23-C24-C25	-2.04	121.56	127.00
14	b2	505	CLA	O2A-CGA-O1A	-2.04	118.54	123.63
14	f	505	CLA	CMB-C2B-C3B	2.04	131.34	126.55
17	bB	4004	BCR	C33-C5-C4	2.04	117.94	113.60
14	a6	508	CLA	O2A-CGA-O1A	-2.03	118.54	123.63
14	b6	501	CLA	O2A-CGA-O1A	-2.03	118.54	123.63
17	o	524	BCR	C1-C6-C5	-2.03	119.86	122.64
14	aB	1211	CLA	CMB-C2B-C3B	2.03	131.34	126.55
14	aB	1222	CLA	CMB-C2B-C3B	2.03	131.34	126.55
17	b2	524	BCR	C21-C20-C19	-2.03	117.31	123.20
14	a	505	CLA	O2A-CGA-O1A	-2.03	118.54	123.63
17	a6	524	BCR	C23-C24-C25	-2.03	121.56	127.00
14	aB	1012	CLA	O2A-CGA-O1A	-2.03	118.54	123.63
14	c	502	CLA	O2A-CGA-O1A	-2.03	118.54	123.63
17	b1	521	BCR	C20-C19-C18	-2.03	120.79	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b6	504	CLA	C1-C2-C3	-2.03	122.86	126.20
14	Y	504	CLA	O2A-CGA-O1A	-2.03	118.54	123.63
17	g	523	BCR	C4-C5-C6	-2.03	119.96	122.70
17	c4	521	BCR	C2-C1-C6	2.03	113.39	110.44
17	bA	4003	BCR	C11-C12-C13	-2.03	120.79	126.36
14	b2	510	CLA	CMB-C2B-C3B	2.03	131.33	126.55
17	aA	4002	BCR	C8-C7-C6	-2.03	121.57	127.00
14	S	505	CLA	CMB-C2B-C3B	2.03	131.33	126.55
14	aA	1122	CLA	O2A-CGA-O1A	-2.03	118.54	123.63
14	b2	502	CLA	O2A-CGA-O1A	-2.03	118.54	123.63
14	b2	511	CLA	O2A-CGA-O1A	-2.03	118.54	123.63
17	b3	522	BCR	C21-C20-C19	-2.03	117.31	123.20
17	c6	521	BCR	C23-C24-C25	-2.03	121.57	127.00
17	b2	523	BCR	C11-C12-C13	-2.03	120.79	126.36
17	c3	523	BCR	C11-C12-C13	-2.03	120.79	126.36
14	b6	509	CLA	C1-C2-C3	-2.03	122.87	126.20
14	cB	1225	CLA	C1-C2-C3	-2.03	122.87	126.20
14	h	510	CLA	C1-C2-C3	-2.03	122.87	126.20
14	cB	1208	CLA	O2A-CGA-O1A	-2.03	118.55	123.63
14	aB	1221	CLA	CMB-C2B-C1B	-2.03	122.33	125.42
14	Y	509	CLA	C1-C2-C3	-2.03	122.87	126.20
17	a5	524	BCR	C15-C16-C17	-2.03	119.36	123.52
17	bK	4001	BCR	C33-C5-C4	2.03	117.93	113.60
17	b6	521	BCR	C38-C26-C27	2.03	117.93	113.60
14	aL	1501	CLA	CMB-C2B-C3B	2.03	131.33	126.55
14	b4	510	CLA	O2A-CGA-O1A	-2.03	118.55	123.63
14	b6	508	CLA	O2A-CGA-O1A	-2.03	118.55	123.63
17	a	523	BCR	C33-C5-C4	2.03	117.92	113.60
14	b3	505	CLA	O2A-CGA-O1A	-2.03	118.55	123.63
17	c3	521	BCR	C8-C7-C6	-2.03	121.58	127.00
18	aA	5004	LHG	C5-O7-C7	-2.03	112.94	117.80
14	b	504	CLA	O2A-CGA-O1A	-2.03	118.55	123.63
17	a3	524	BCR	C21-C20-C19	-2.03	117.32	123.20
17	Z	523	BCR	C21-C20-C19	-2.03	117.32	123.20
14	a1	512	CLA	C1-C2-C3	-2.03	122.87	126.20
14	aA	1104	CLA	CMB-C2B-C1B	-2.03	122.33	125.42
14	a6	508	CLA	CMB-C2B-C1B	-2.03	122.33	125.42
14	V	518	CLA	CMB-C2B-C1B	-2.03	122.33	125.42
14	aA	1123	CLA	CMB-C2B-C3B	2.03	131.32	126.55
17	d	524	BCR	C20-C19-C18	-2.03	120.80	126.36
14	a3	517	CLA	O2D-CGD-CBD	2.03	114.78	111.23
14	aA	1237	CLA	O2A-CGA-O1A	-2.03	118.55	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	bA	1113	CLA	O2A-CGA-O1A	-2.03	118.55	123.63
14	c3	507	CLA	O2A-CGA-O1A	-2.03	118.55	123.63
14	S	505	CLA	O2A-CGA-O1A	-2.03	118.55	123.63
14	bB	1212	CLA	CMB-C2B-C1B	-2.03	122.33	125.42
17	aB	4004	BCR	C3-C4-C5	-2.03	110.44	114.06
18	aA	5003	LHG	C18-C17-C16	-2.03	104.11	114.37
17	bB	4006	BCR	C38-C26-C27	2.03	117.92	113.60
14	a5	512	CLA	C1-C2-C3	-2.03	122.87	126.20
17	c5	522	BCR	C8-C7-C6	-2.03	121.58	127.00
14	cA	1127	CLA	O2A-CGA-O1A	-2.03	118.56	123.63
14	cA	1140	CLA	O2A-CGA-O1A	-2.03	118.56	123.63
14	Y	507	CLA	O2A-CGA-O1A	-2.03	118.56	123.63
14	c	506	CLA	CMB-C2B-C1B	-2.03	122.33	125.42
17	b5	521	BCR	C15-C16-C17	-2.03	119.37	123.52
14	a2	507	CLA	C1-C2-C3	-2.03	122.88	126.20
14	cA	1119	CLA	O2A-CGA-O1A	-2.03	118.56	123.63
14	U	508	CLA	O2A-CGA-O1A	-2.03	118.56	123.63
14	p	502	CLA	O2A-CGA-O1A	-2.03	118.56	123.63
17	U	524	BCR	C15-C16-C17	-2.03	119.37	123.52
17	U	524	BCR	C4-C5-C6	-2.03	119.97	122.70
14	a4	510	CLA	O2A-CGA-O1A	-2.03	118.56	123.63
14	U	504	CLA	O2A-CGA-O1A	-2.03	118.56	123.63
20	b3	822	SQD	C3-C4-C5	2.03	113.91	110.23
21	bB	5002	LMG	C42-C41-C40	-2.03	104.12	114.37
14	b3	504	CLA	C1-C2-C3	-2.03	122.88	126.20
17	c1	524	BCR	C38-C26-C27	2.03	117.92	113.60
14	S	510	CLA	CMB-C2B-C3B	2.03	131.31	126.55
14	f	513	CLA	CMB-C2B-C3B	2.03	131.31	126.55
14	Z	507	CLA	C1-C2-C3	-2.03	122.88	126.20
14	b5	510	CLA	O2A-CGA-O1A	-2.03	118.56	123.63
14	cA	1110	CLA	O2A-CGA-O1A	-2.03	118.56	123.63
14	aA	1124	CLA	O2D-CGD-CBD	2.03	114.77	111.23
14	aB	1205	CLA	O2D-CGD-CBD	2.03	114.77	111.23
14	b1	505	CLA	CMB-C2B-C1B	-2.03	122.33	125.42
14	aA	1117	CLA	O2A-CGA-O1A	-2.03	118.56	123.63
21	bJ	5104	LMG	O2-C2-C1	-2.03	105.25	110.08
14	b6	505	CLA	O2A-CGA-O1A	-2.02	118.56	123.63
17	e	524	BCR	C15-C16-C17	-2.02	119.38	123.52
14	a1	505	CLA	CMB-C2B-C1B	-2.02	122.34	125.42
14	bA	1126	CLA	CMB-C2B-C1B	-2.02	122.34	125.42
14	bA	1105	CLA	C1-C2-C3	-2.02	122.88	126.20
14	aB	1227	CLA	O2A-CGA-O1A	-2.02	118.56	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	cB	1227	CLA	O2A-CGA-O1A	-2.02	118.56	123.63
14	bL	1501	CLA	CMB-C2B-C1B	-2.02	122.34	125.42
14	aA	1123	CLA	O2A-CGA-O1A	-2.02	118.56	123.63
14	a5	501	CLA	O2A-CGA-O1A	-2.02	118.57	123.63
14	c2	505	CLA	O2A-CGA-O1A	-2.02	118.57	123.63
20	p	822	SQD	C4-C3-C2	2.02	114.38	110.83
17	k	521	BCR	C20-C19-C18	-2.02	120.81	126.36
14	aB	1224	CLA	C1-C2-C3	-2.02	122.88	126.20
14	a5	507	CLA	O2A-CGA-O1A	-2.02	118.57	123.63
14	bB	1239	CLA	O2A-CGA-O1A	-2.02	118.57	123.63
17	X	522	BCR	C21-C20-C19	-2.02	117.34	123.20
14	aB	1227	CLA	C4-C3-C5	2.02	118.74	115.23
14	e	510	CLA	C1-C2-C3	-2.02	122.88	126.20
17	b2	523	BCR	C23-C24-C25	-2.02	121.59	127.00
14	bA	1130	CLA	O2A-CGA-O1A	-2.02	118.57	123.63
17	c4	521	BCR	C16-C15-C14	-2.02	119.38	123.52
17	aA	4008	BCR	C34-C9-C8	2.02	121.18	118.09
17	a1	523	BCR	C10-C11-C12	-2.02	117.34	123.20
17	Y	521	BCR	C8-C7-C6	-2.02	121.60	127.00
14	a	518	CLA	CMB-C2B-C3B	2.02	131.31	126.55
17	b5	521	BCR	C38-C26-C27	2.02	117.91	113.60
17	b1	523	BCR	C21-C20-C19	-2.02	117.34	123.20
14	bB	1204	CLA	O2A-CGA-O1A	-2.02	118.57	123.63
14	c	510	CLA	CMB-C2B-C1B	-2.02	122.34	125.42
17	bF	4014	BCR	C35-C13-C12	2.02	121.17	118.09
17	bB	4005	BCR	C15-C16-C17	-2.02	119.39	123.52
14	aA	1104	CLA	O2A-CGA-O1A	-2.02	118.58	123.63
14	cA	1130	CLA	O2A-CGA-O1A	-2.02	118.58	123.63
17	bI	4019	BCR	C8-C7-C6	-2.02	121.60	127.00
17	c4	524	BCR	C4-C5-C6	-2.02	119.97	122.70
14	a3	510	CLA	CMB-C2B-C3B	2.02	131.30	126.55
14	bB	1021	CLA	CHB-C4A-NA	2.02	127.31	124.40
20	b4	822	SQD	O47-C7-O49	-2.02	118.98	123.70
14	V	509	CLA	C1-C2-C3	-2.02	122.89	126.20
14	e	510	CLA	CMB-C2B-C3B	2.02	131.30	126.55
14	g	505	CLA	O2A-CGA-O1A	-2.02	118.58	123.63
17	cB	4005	BCR	C11-C12-C13	-2.02	120.83	126.36
14	e	505	CLA	O2A-CGA-O1A	-2.02	118.58	123.63
14	Z	510	CLA	C1-C2-C3	-2.02	122.89	126.20
17	b4	523	BCR	C10-C11-C12	-2.02	117.35	123.20
20	V	822	SQD	O6-C1-C2	2.02	111.34	108.27
17	n	523	BCR	C38-C26-C27	2.02	117.90	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	b3	521	BCR	C8-C7-C6	-2.02	121.61	127.00
14	c1	513	CLA	O2A-CGA-O1A	-2.02	118.58	123.63
17	e	523	BCR	C23-C24-C25	-2.02	121.61	127.00
14	cA	1133	CLA	O2A-CGA-O1A	-2.02	118.58	123.63
17	bA	4008	BCR	C38-C26-C27	2.02	117.90	113.60
14	l	502	CLA	C1-C2-C3	-2.02	122.89	126.20
14	i	509	CLA	O2A-CGA-O1A	-2.02	118.14	123.33
17	aJ	4013	BCR	C2-C1-C6	2.02	113.37	110.44
17	bJ	4012	BCR	C38-C26-C27	2.02	117.89	113.60
14	bB	1208	CLA	CMB-C2B-C1B	-2.02	122.35	125.42
14	bA	1119	CLA	O2A-CGA-O1A	-2.02	118.58	123.63
14	bB	1215	CLA	O2A-CGA-O1A	-2.02	118.58	123.63
14	c	510	CLA	O2A-CGA-O1A	-2.02	118.58	123.63
14	cA	1013	CLA	CMB-C2B-C3B	2.02	131.29	126.55
14	a2	510	CLA	O2A-CGA-O1A	-2.02	118.59	123.63
14	c4	519	CLA	O2A-CGA-O1A	-2.02	118.59	123.63
14	a6	513	CLA	CMB-C2B-C1B	-2.02	122.35	125.42
14	b	506	CLA	CMB-C2B-C1B	-2.02	122.35	125.42
14	m	505	CLA	CMB-C2B-C1B	-2.02	122.35	125.42
14	bA	1134	CLA	O2A-CGA-O1A	-2.02	118.59	123.63
14	bA	1140	CLA	O2A-CGA-O1A	-2.02	118.59	123.63
14	cB	1214	CLA	CMB-C2B-C3B	2.02	131.29	126.55
17	j	521	BCR	C27-C26-C25	-2.02	119.98	122.70
14	c6	513	CLA	CMB-C2B-C1B	-2.01	122.35	125.42
17	aJ	4012	BCR	C38-C26-C27	2.01	117.89	113.60
17	b5	523	BCR	C21-C20-C19	-2.01	117.36	123.20
14	bB	1218	CLA	O2A-CGA-O1A	-2.01	118.59	123.63
14	c	505	CLA	O2A-CGA-O1A	-2.01	118.59	123.63
17	k	522	BCR	C4-C5-C6	-2.01	119.98	122.70
14	cB	1223	CLA	CMB-C2B-C3B	2.01	131.29	126.55
14	b3	512	CLA	C1-C2-C3	-2.01	122.90	126.20
17	W	524	BCR	C11-C12-C13	-2.01	120.84	126.36
14	o	510	CLA	O2A-CGA-O1A	-2.01	118.59	123.63
17	k	521	BCR	C2-C1-C6	2.01	113.36	110.44
17	e	521	BCR	C16-C15-C14	-2.01	119.40	123.52
14	c	508	CLA	C1-C2-C3	-2.01	122.90	126.20
17	b	524	BCR	C21-C20-C19	-2.01	117.37	123.20
14	U	505	CLA	O2A-CGA-O1A	-2.01	118.59	123.63
14	aB	1021	CLA	CHB-C4A-NA	2.01	127.31	124.40
14	a1	507	CLA	C1-C2-C3	-2.01	122.90	126.20
14	bA	1120	CLA	CMB-C2B-C1B	-2.01	122.35	125.42
14	Y	513	CLA	CMB-C2B-C1B	-2.01	122.35	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	n	513	CLA	CMB-C2B-C1B	-2.01	122.35	125.42
14	bB	1219	CLA	O2A-CGA-O1A	-2.01	118.59	123.63
17	cK	4001	BCR	C23-C24-C25	-2.01	121.62	127.00
14	b1	504	CLA	O2A-CGA-O1A	-2.01	118.59	123.63
14	cA	1134	CLA	O2A-CGA-O1A	-2.01	118.59	123.63
14	c1	502	CLA	O2A-CGA-O1A	-2.01	118.59	123.63
14	aB	1209	CLA	C1-C2-C3	-2.01	122.90	126.20
14	o	518	CLA	C1-C2-C3	-2.01	122.90	126.20
14	b5	505	CLA	CMB-C2B-C1B	-2.01	122.36	125.42
14	aB	1236	CLA	O2A-CGA-O1A	-2.01	118.59	123.63
14	c4	505	CLA	O2A-CGA-O1A	-2.01	118.59	123.63
17	g	522	BCR	C21-C20-C19	-2.01	117.37	123.20
20	a4	822	SQD	C4-C3-C2	2.01	114.36	110.83
17	bF	4015	BCR	C8-C7-C6	-2.01	121.62	127.00
14	X	516	CLA	CMB-C2B-C1B	-2.01	122.36	125.42
14	cA	1113	CLA	CMB-C2B-C3B	2.01	131.28	126.55
14	c4	510	CLA	O2A-CGA-O1A	-2.01	118.60	123.63
17	S	524	BCR	C4-C5-C6	-2.01	119.99	122.70
14	a1	513	CLA	O2A-CGA-O1A	-2.01	118.60	123.63
14	cA	1117	CLA	O2A-CGA-O1A	-2.01	118.60	123.63
14	cB	1214	CLA	O2A-CGA-O1A	-2.01	118.60	123.63
14	a	509	CLA	O2A-CGA-O1A	-2.01	118.60	123.63
17	c3	521	BCR	C29-C30-C25	2.01	113.36	110.44
17	c4	521	BCR	C33-C5-C4	2.01	117.88	113.60
14	bL	1502	CLA	O2D-CGD-CBD	2.01	114.74	111.23
14	c2	518	CLA	C1-C2-C3	-2.01	122.90	126.20
17	a	521	BCR	C8-C7-C6	-2.01	121.63	127.00
14	bA	1136	CLA	O2A-CGA-O1A	-2.01	118.60	123.63
14	bB	1228	CLA	O2A-CGA-O1A	-2.01	118.60	123.63
17	aA	4007	BCR	C16-C15-C14	-2.01	119.41	123.52
14	aA	1133	CLA	O2A-CGA-O1A	-2.01	118.60	123.63
14	c3	509	CLA	C1-C2-C3	-2.01	122.91	126.20
17	aA	4011	BCR	C1-C6-C5	-2.01	119.89	122.64
17	b3	521	BCR	C23-C24-C25	-2.01	121.63	127.00
14	aA	1136	CLA	O2A-CGA-O1A	-2.01	118.60	123.63
14	b3	513	CLA	O2A-CGA-O1A	-2.01	118.60	123.63
14	d	505	CLA	O2A-CGA-O1A	-2.01	118.60	123.63
14	bB	1223	CLA	CMB-C2B-C1B	-2.01	122.36	125.42
14	b2	511	CLA	CMB-C2B-C1B	-2.01	122.36	125.42
14	a4	505	CLA	O2A-CGA-O1A	-2.01	118.61	123.63
14	bA	1139	CLA	O2A-CGA-O1A	-2.01	118.61	123.63
14	cB	1226	CLA	O2A-CGA-O1A	-2.01	118.61	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	b2	507	CLA	C1-C2-C3	-2.01	122.91	126.20
17	h	521	BCR	C20-C19-C18	-2.01	120.86	126.36
17	o	523	BCR	C1-C6-C5	-2.01	119.89	122.64
14	W	507	CLA	O2A-CGA-O1A	-2.01	118.61	123.63
17	k	524	BCR	C20-C19-C18	-2.01	120.86	126.36
14	bA	1135	CLA	CMB-C2B-C1B	-2.01	122.36	125.42
17	j	523	BCR	C23-C24-C25	-2.01	121.64	127.00
14	cB	1012	CLA	CHB-C4A-NA	2.01	127.30	124.40
14	Y	502	CLA	O2A-CGA-O1A	-2.01	118.61	123.63
17	V	522	BCR	C8-C7-C6	-2.01	121.64	127.00
14	a6	516	CLA	CMB-C2B-C3B	2.01	131.27	126.55
17	c6	523	BCR	C20-C19-C18	-2.01	120.86	126.36
17	c	521	BCR	C11-C12-C13	-2.01	120.86	126.36
17	a2	523	BCR	C21-C20-C19	-2.01	117.39	123.20
17	l	524	BCR	C23-C24-C25	-2.01	121.64	127.00
14	cB	1209	CLA	C1-C2-C3	-2.01	122.91	126.20
14	b6	513	CLA	O2A-CGA-O1A	-2.01	118.61	123.63
17	aJ	4013	BCR	C24-C23-C22	-2.01	123.27	126.23
17	e	524	BCR	C20-C19-C18	-2.01	120.86	126.36
14	a1	510	CLA	O2A-CGA-O1A	-2.01	118.61	123.63
20	c2	822	SQD	O6-C1-C2	2.01	111.32	108.27
14	m	516	CLA	CMB-C2B-C1B	-2.01	122.36	125.42
14	aB	1219	CLA	O2A-CGA-O1A	-2.01	118.61	123.63
14	bB	1216	CLA	O2A-CGA-O1A	-2.01	118.61	123.63
17	b4	521	BCR	C11-C12-C13	-2.01	120.86	126.36
14	a5	510	CLA	CMB-C2B-C1B	-2.01	122.37	125.42
14	aA	1107	CLA	C1-C2-C3	-2.01	122.91	126.20
14	cA	1124	CLA	O2D-CGD-CBD	2.00	114.73	111.23
14	k	517	CLA	O1A-CGA-CBA	2.00	129.45	123.09
14	bA	1237	CLA	O2A-CGA-O1A	-2.00	118.61	123.63
14	cA	1237	CLA	O2A-CGA-O1A	-2.00	118.61	123.63
14	c1	504	CLA	O2A-CGA-O1A	-2.00	118.61	123.63
17	m	521	BCR	C11-C12-C13	-2.00	120.87	126.36
14	e	517	CLA	O2A-CGA-O1A	-2.00	118.18	123.33
14	b6	510	CLA	O2A-CGA-O1A	-2.00	118.61	123.63
14	b4	501	CLA	C1-C2-C3	-2.00	122.91	126.20
14	b	513	CLA	CMB-C2B-C1B	-2.00	122.37	125.42
14	a6	510	CLA	O2A-CGA-O1A	-2.00	118.62	123.63
17	f	521	BCR	C11-C12-C13	-2.00	120.87	126.36
17	c6	523	BCR	C23-C24-C25	-2.00	121.65	127.00
17	U	522	BCR	C20-C19-C18	-2.00	120.87	126.36
17	a1	521	BCR	C38-C26-C27	2.00	117.87	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	U	513	CLA	CMB-C2B-C1B	-2.00	122.37	125.42
14	c	516	CLA	CMB-C2B-C1B	-2.00	122.37	125.42
14	l	508	CLA	CMB-C2B-C1B	-2.00	122.37	125.42
14	o	510	CLA	CMB-C2B-C1B	-2.00	122.37	125.42
14	b	517	CLA	O2A-CGA-O1A	-2.00	118.18	123.33
17	k	522	BCR	C15-C16-C17	-2.00	119.42	123.52
17	aA	4011	BCR	C10-C11-C12	-2.00	117.40	123.20
17	W	524	BCR	C1-C6-C5	-2.00	119.90	122.64
14	b3	510	CLA	C1-C2-C3	-2.00	122.92	126.20
14	p	506	CLA	CMB-C2B-C1B	-2.00	122.37	125.42
20	c4	822	SQD	C4-C3-C2	2.00	114.34	110.83
18	bA	5003	LHG	C18-C17-C16	-2.00	104.25	114.37
17	bI	4019	BCR	C16-C15-C14	-2.00	119.42	123.52
14	d	513	CLA	CMB-C2B-C1B	-2.00	122.37	125.42
14	q	513	CLA	CMB-C2B-C1B	-2.00	122.37	125.42
17	e	521	BCR	C8-C7-C6	-2.00	121.65	127.00
17	f	524	BCR	C1-C6-C5	-2.00	119.90	122.64
14	c1	508	CLA	CMB-C2B-C1B	-2.00	122.37	125.42
17	b5	524	BCR	C4-C5-C6	-2.00	120.00	122.70
17	o	521	BCR	C33-C5-C4	2.00	117.86	113.60
14	W	507	CLA	C1-C2-C3	-2.00	122.92	126.20
17	bA	4008	BCR	C38-C26-C25	-2.00	122.30	124.48
14	bB	1226	CLA	O2A-CGA-O1A	-2.00	118.62	123.63
14	a	508	CLA	CMB-C2B-C1B	-2.00	122.37	125.42
17	b4	523	BCR	C21-C20-C19	-2.00	117.40	123.20

All (1016) chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
14	aA	1022	CLA	ND
14	aA	1101	CLA	ND
14	aA	1102	CLA	ND
14	aA	1103	CLA	ND
14	aA	1104	CLA	ND
14	aA	1105	CLA	ND
14	aA	1106	CLA	ND
14	aA	1107	CLA	ND
14	aA	1108	CLA	ND
14	aA	1109	CLA	ND
14	aA	1110	CLA	ND
14	aA	1111	CLA	ND
14	aA	1112	CLA	ND

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Mol	Chain	Res	Type	Atom
14	aA	1113	CLA	ND
14	aA	1114	CLA	ND
14	aA	1115	CLA	ND
14	aA	1116	CLA	ND
14	aA	1117	CLA	ND
14	aA	1118	CLA	ND
14	aA	1119	CLA	ND
14	aA	1120	CLA	ND
14	aA	1121	CLA	ND
14	aA	1122	CLA	ND
14	aA	1123	CLA	ND
14	aA	1124	CLA	ND
14	aA	1125	CLA	ND
14	aA	1126	CLA	ND
14	aA	1127	CLA	ND
14	aA	1128	CLA	ND
14	aA	1129	CLA	ND
14	aA	1130	CLA	ND
14	aA	1131	CLA	ND
14	aA	1132	CLA	ND
14	aA	1133	CLA	ND
14	aA	1134	CLA	ND
14	aA	1135	CLA	ND
14	aA	1136	CLA	ND
14	aA	1137	CLA	ND
14	aA	1138	CLA	ND
14	aA	1139	CLA	ND
14	aA	1140	CLA	ND
14	aA	1801	CLA	ND
14	aA	1011	CLA	ND
14	aA	1013	CLA	ND
14	aA	1237	CLA	ND
14	aB	1012	CLA	ND
14	aB	1021	CLA	ND
14	aB	1201	CLA	ND
14	aB	1023	CLA	ND
14	aB	1202	CLA	ND
14	aB	1203	CLA	ND
14	aB	1204	CLA	ND
14	aB	1205	CLA	ND
14	aB	1206	CLA	ND
14	aB	1207	CLA	ND

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Mol	Chain	Res	Type	Atom
14	aB	1208	CLA	ND
14	aB	1209	CLA	ND
14	aB	1210	CLA	ND
14	aB	1211	CLA	ND
14	aB	1212	CLA	ND
14	aB	1213	CLA	ND
14	aB	1214	CLA	ND
14	aB	1215	CLA	ND
14	aB	1216	CLA	ND
14	aB	1217	CLA	ND
14	aB	1218	CLA	ND
14	aB	1219	CLA	ND
14	aB	1220	CLA	ND
14	aB	1221	CLA	ND
14	aB	1222	CLA	ND
14	aB	1223	CLA	ND
14	aB	1224	CLA	ND
14	aB	1225	CLA	ND
14	aB	1226	CLA	ND
14	aB	1227	CLA	ND
14	aB	1228	CLA	ND
14	aB	1229	CLA	ND
14	aB	1230	CLA	ND
14	aB	1231	CLA	ND
14	aB	1234	CLA	ND
14	aB	1235	CLA	ND
14	aB	1236	CLA	ND
14	aB	1238	CLA	ND
14	aB	1239	CLA	ND
14	aB	1232	CLA	ND
14	aB	1233	CLA	ND
14	aF	1301	CLA	ND
14	aJ	1302	CLA	ND
14	aJ	1303	CLA	ND
14	aK	1103	CLA	ND
14	aK	1401	CLA	ND
14	aL	1501	CLA	ND
14	aL	1502	CLA	ND
14	aL	1503	CLA	ND
14	aX	1401	CLA	ND
14	a1	501	CLA	ND
14	a1	502	CLA	ND

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Mol	Chain	Res	Type	Atom
14	a1	503	CLA	ND
14	a1	504	CLA	ND
14	a1	505	CLA	ND
14	a1	506	CLA	ND
14	a1	507	CLA	ND
14	a1	508	CLA	ND
14	a1	509	CLA	ND
14	a1	510	CLA	ND
14	a1	511	CLA	ND
14	a1	512	CLA	ND
14	a1	513	CLA	ND
14	a1	516	CLA	ND
14	a1	517	CLA	ND
14	a1	518	CLA	ND
14	a1	519	CLA	ND
14	a2	501	CLA	ND
14	a2	502	CLA	ND
14	a2	503	CLA	ND
14	a2	504	CLA	ND
14	a2	505	CLA	ND
14	a2	506	CLA	ND
14	a2	507	CLA	ND
14	a2	508	CLA	ND
14	a2	509	CLA	ND
14	a2	510	CLA	ND
14	a2	511	CLA	ND
14	a2	512	CLA	ND
14	a2	513	CLA	ND
14	a2	516	CLA	ND
14	a2	517	CLA	ND
14	a2	518	CLA	ND
14	a2	519	CLA	ND
14	a3	501	CLA	ND
14	a3	502	CLA	ND
14	a3	503	CLA	ND
14	a3	504	CLA	ND
14	a3	505	CLA	ND
14	a3	506	CLA	ND
14	a3	507	CLA	ND
14	a3	508	CLA	ND
14	a3	509	CLA	ND
14	a3	510	CLA	ND

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Mol	Chain	Res	Type	Atom
14	a3	511	CLA	ND
14	a3	512	CLA	ND
14	a3	513	CLA	ND
14	a3	516	CLA	ND
14	a3	517	CLA	ND
14	a3	518	CLA	ND
14	a3	519	CLA	ND
14	a4	501	CLA	ND
14	a4	502	CLA	ND
14	a4	503	CLA	ND
14	a4	504	CLA	ND
14	a4	505	CLA	ND
14	a4	506	CLA	ND
14	a4	507	CLA	ND
14	a4	508	CLA	ND
14	a4	509	CLA	ND
14	a4	510	CLA	ND
14	a4	511	CLA	ND
14	a4	512	CLA	ND
14	a4	513	CLA	ND
14	a4	516	CLA	ND
14	a4	517	CLA	ND
14	a4	518	CLA	ND
14	a4	519	CLA	ND
14	a5	501	CLA	ND
14	a5	502	CLA	ND
14	a5	503	CLA	ND
14	a5	504	CLA	ND
14	a5	505	CLA	ND
14	a5	506	CLA	ND
14	a5	507	CLA	ND
14	a5	508	CLA	ND
14	a5	509	CLA	ND
14	a5	510	CLA	ND
14	a5	511	CLA	ND
14	a5	512	CLA	ND
14	a5	513	CLA	ND
14	a5	516	CLA	ND
14	a5	517	CLA	ND
14	a5	518	CLA	ND
14	a5	519	CLA	ND
14	a6	501	CLA	ND

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Mol	Chain	Res	Type	Atom
14	a6	502	CLA	ND
14	a6	503	CLA	ND
14	a6	504	CLA	ND
14	a6	505	CLA	ND
14	a6	506	CLA	ND
14	a6	507	CLA	ND
14	a6	508	CLA	ND
14	a6	509	CLA	ND
14	a6	510	CLA	ND
14	a6	511	CLA	ND
14	a6	512	CLA	ND
14	a6	513	CLA	ND
14	a6	516	CLA	ND
14	a6	517	CLA	ND
14	a6	518	CLA	ND
14	a6	519	CLA	ND
14	bA	1011	CLA	ND
14	bA	1101	CLA	ND
14	bA	1102	CLA	ND
14	bA	1103	CLA	ND
14	bA	1104	CLA	ND
14	bA	1105	CLA	ND
14	bA	1106	CLA	ND
14	bA	1107	CLA	ND
14	bA	1108	CLA	ND
14	bA	1109	CLA	ND
14	bA	1110	CLA	ND
14	bA	1111	CLA	ND
14	bA	1112	CLA	ND
14	bA	1113	CLA	ND
14	bA	1114	CLA	ND
14	bA	1115	CLA	ND
14	bA	1116	CLA	ND
14	bA	1117	CLA	ND
14	bA	1118	CLA	ND
14	bA	1119	CLA	ND
14	bA	1120	CLA	ND
14	bA	1121	CLA	ND
14	bA	1122	CLA	ND
14	bA	1123	CLA	ND
14	bA	1124	CLA	ND
14	bA	1125	CLA	ND

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Mol	Chain	Res	Type	Atom
14	bA	1126	CLA	ND
14	bA	1127	CLA	ND
14	bA	1128	CLA	ND
14	bA	1129	CLA	ND
14	bA	1130	CLA	ND
14	bA	1131	CLA	ND
14	bA	1132	CLA	ND
14	bA	1133	CLA	ND
14	bA	1134	CLA	ND
14	bA	1135	CLA	ND
14	bA	1136	CLA	ND
14	bA	1137	CLA	ND
14	bA	1138	CLA	ND
14	bA	1139	CLA	ND
14	bA	1140	CLA	ND
14	bA	1237	CLA	ND
14	bA	1801	CLA	ND
14	bA	1013	CLA	ND
14	bA	1022	CLA	ND
14	bB	1012	CLA	ND
14	bB	1021	CLA	ND
14	bB	1023	CLA	ND
14	bB	1201	CLA	ND
14	bB	1202	CLA	ND
14	bB	1203	CLA	ND
14	bB	1204	CLA	ND
14	bB	1205	CLA	ND
14	bB	1206	CLA	ND
14	bB	1207	CLA	ND
14	bB	1208	CLA	ND
14	bB	1209	CLA	ND
14	bB	1210	CLA	ND
14	bB	1211	CLA	ND
14	bB	1212	CLA	ND
14	bB	1213	CLA	ND
14	bB	1214	CLA	ND
14	bB	1215	CLA	ND
14	bB	1216	CLA	ND
14	bB	1217	CLA	ND
14	bB	1218	CLA	ND
14	bB	1219	CLA	ND
14	bB	1220	CLA	ND

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Mol	Chain	Res	Type	Atom
14	bB	1221	CLA	ND
14	bB	1222	CLA	ND
14	bB	1223	CLA	ND
14	bB	1224	CLA	ND
14	bB	1225	CLA	ND
14	bB	1226	CLA	ND
14	bB	1227	CLA	ND
14	bB	1228	CLA	ND
14	bB	1229	CLA	ND
14	bB	1230	CLA	ND
14	bB	1231	CLA	ND
14	bB	1232	CLA	ND
14	bB	1233	CLA	ND
14	bB	1234	CLA	ND
14	bB	1235	CLA	ND
14	bB	1236	CLA	ND
14	bB	1238	CLA	ND
14	bB	1239	CLA	ND
14	bF	1301	CLA	ND
14	bJ	1302	CLA	ND
14	bJ	1303	CLA	ND
14	bK	1103	CLA	ND
14	bK	1401	CLA	ND
14	bL	1501	CLA	ND
14	bL	1502	CLA	ND
14	bL	1503	CLA	ND
14	bX	1401	CLA	ND
14	b1	501	CLA	ND
14	b1	502	CLA	ND
14	b1	503	CLA	ND
14	b1	504	CLA	ND
14	b1	505	CLA	ND
14	b1	506	CLA	ND
14	b1	507	CLA	ND
14	b1	508	CLA	ND
14	b1	509	CLA	ND
14	b1	510	CLA	ND
14	b1	511	CLA	ND
14	b1	512	CLA	ND
14	b1	513	CLA	ND
14	b1	516	CLA	ND
14	b1	517	CLA	ND

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Mol	Chain	Res	Type	Atom
14	b1	518	CLA	ND
14	b1	519	CLA	ND
14	b2	501	CLA	ND
14	b2	502	CLA	ND
14	b2	503	CLA	ND
14	b2	504	CLA	ND
14	b2	505	CLA	ND
14	b2	506	CLA	ND
14	b2	507	CLA	ND
14	b2	508	CLA	ND
14	b2	509	CLA	ND
14	b2	510	CLA	ND
14	b2	511	CLA	ND
14	b2	512	CLA	ND
14	b2	513	CLA	ND
14	b2	516	CLA	ND
14	b2	517	CLA	ND
14	b2	518	CLA	ND
14	b2	519	CLA	ND
14	b3	501	CLA	ND
14	b3	502	CLA	ND
14	b3	503	CLA	ND
14	b3	504	CLA	ND
14	b3	505	CLA	ND
14	b3	506	CLA	ND
14	b3	507	CLA	ND
14	b3	508	CLA	ND
14	b3	509	CLA	ND
14	b3	510	CLA	ND
14	b3	511	CLA	ND
14	b3	512	CLA	ND
14	b3	513	CLA	ND
14	b3	516	CLA	ND
14	b3	517	CLA	ND
14	b3	518	CLA	ND
14	b3	519	CLA	ND
14	b4	501	CLA	ND
14	b4	502	CLA	ND
14	b4	503	CLA	ND
14	b4	504	CLA	ND
14	b4	505	CLA	ND
14	b4	506	CLA	ND

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Mol	Chain	Res	Type	Atom
14	b4	507	CLA	ND
14	b4	508	CLA	ND
14	b4	509	CLA	ND
14	b4	510	CLA	ND
14	b4	511	CLA	ND
14	b4	512	CLA	ND
14	b4	513	CLA	ND
14	b4	516	CLA	ND
14	b4	517	CLA	ND
14	b4	518	CLA	ND
14	b4	519	CLA	ND
14	b5	501	CLA	ND
14	b5	502	CLA	ND
14	b5	503	CLA	ND
14	b5	504	CLA	ND
14	b5	505	CLA	ND
14	b5	506	CLA	ND
14	b5	507	CLA	ND
14	b5	508	CLA	ND
14	b5	509	CLA	ND
14	b5	510	CLA	ND
14	b5	511	CLA	ND
14	b5	512	CLA	ND
14	b5	513	CLA	ND
14	b5	516	CLA	ND
14	b5	517	CLA	ND
14	b5	518	CLA	ND
14	b5	519	CLA	ND
14	b6	501	CLA	ND
14	b6	502	CLA	ND
14	b6	503	CLA	ND
14	b6	504	CLA	ND
14	b6	505	CLA	ND
14	b6	506	CLA	ND
14	b6	507	CLA	ND
14	b6	508	CLA	ND
14	b6	509	CLA	ND
14	b6	510	CLA	ND
14	b6	511	CLA	ND
14	b6	512	CLA	ND
14	b6	513	CLA	ND
14	b6	516	CLA	ND

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Mol	Chain	Res	Type	Atom
14	b6	517	CLA	ND
14	b6	518	CLA	ND
14	b6	519	CLA	ND
14	cA	1011	CLA	ND
14	cA	1013	CLA	ND
14	cA	1022	CLA	ND
14	cA	1101	CLA	ND
14	cA	1102	CLA	ND
14	cA	1103	CLA	ND
14	cA	1104	CLA	ND
14	cA	1105	CLA	ND
14	cA	1106	CLA	ND
14	cA	1107	CLA	ND
14	cA	1108	CLA	ND
14	cA	1109	CLA	ND
14	cA	1110	CLA	ND
14	cA	1111	CLA	ND
14	cA	1112	CLA	ND
14	cA	1113	CLA	ND
14	cA	1114	CLA	ND
14	cA	1115	CLA	ND
14	cA	1116	CLA	ND
14	cA	1117	CLA	ND
14	cA	1118	CLA	ND
14	cA	1119	CLA	ND
14	cA	1120	CLA	ND
14	cA	1121	CLA	ND
14	cA	1122	CLA	ND
14	cA	1123	CLA	ND
14	cA	1124	CLA	ND
14	cA	1125	CLA	ND
14	cA	1126	CLA	ND
14	cA	1127	CLA	ND
14	cA	1128	CLA	ND
14	cA	1129	CLA	ND
14	cA	1130	CLA	ND
14	cA	1131	CLA	ND
14	cA	1132	CLA	ND
14	cA	1133	CLA	ND
14	cA	1134	CLA	ND
14	cA	1135	CLA	ND
14	cA	1136	CLA	ND

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Mol	Chain	Res	Type	Atom
14	cA	1137	CLA	ND
14	cA	1138	CLA	ND
14	cA	1139	CLA	ND
14	cA	1140	CLA	ND
14	cA	1237	CLA	ND
14	cA	1801	CLA	ND
14	cB	1012	CLA	ND
14	cB	1021	CLA	ND
14	cB	1023	CLA	ND
14	cB	1201	CLA	ND
14	cB	1202	CLA	ND
14	cB	1203	CLA	ND
14	cB	1204	CLA	ND
14	cB	1205	CLA	ND
14	cB	1206	CLA	ND
14	cB	1207	CLA	ND
14	cB	1208	CLA	ND
14	cB	1209	CLA	ND
14	cB	1210	CLA	ND
14	cB	1211	CLA	ND
14	cB	1212	CLA	ND
14	cB	1213	CLA	ND
14	cB	1214	CLA	ND
14	cB	1215	CLA	ND
14	cB	1216	CLA	ND
14	cB	1217	CLA	ND
14	cB	1218	CLA	ND
14	cB	1219	CLA	ND
14	cB	1220	CLA	ND
14	cB	1221	CLA	ND
14	cB	1222	CLA	ND
14	cB	1223	CLA	ND
14	cB	1224	CLA	ND
14	cB	1225	CLA	ND
14	cB	1226	CLA	ND
14	cB	1227	CLA	ND
14	cB	1228	CLA	ND
14	cB	1229	CLA	ND
14	cB	1230	CLA	ND
14	cB	1231	CLA	ND
14	cB	1232	CLA	ND
14	cB	1233	CLA	ND

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Mol	Chain	Res	Type	Atom
14	cB	1234	CLA	ND
14	cB	1235	CLA	ND
14	cB	1236	CLA	ND
14	cB	1238	CLA	ND
14	cB	1239	CLA	ND
14	cF	1301	CLA	ND
14	cJ	1302	CLA	ND
14	cJ	1303	CLA	ND
14	cK	1103	CLA	ND
14	cK	1401	CLA	ND
14	cL	1501	CLA	ND
14	cL	1502	CLA	ND
14	cL	1503	CLA	ND
14	cX	1401	CLA	ND
14	c1	501	CLA	ND
14	c1	502	CLA	ND
14	c1	503	CLA	ND
14	c1	504	CLA	ND
14	c1	505	CLA	ND
14	c1	506	CLA	ND
14	c1	507	CLA	ND
14	c1	508	CLA	ND
14	c1	509	CLA	ND
14	c1	510	CLA	ND
14	c1	511	CLA	ND
14	c1	512	CLA	ND
14	c1	513	CLA	ND
14	c1	516	CLA	ND
14	c1	517	CLA	ND
14	c1	518	CLA	ND
14	c1	519	CLA	ND
14	c2	501	CLA	ND
14	c2	502	CLA	ND
14	c2	503	CLA	ND
14	c2	504	CLA	ND
14	c2	505	CLA	ND
14	c2	506	CLA	ND
14	c2	507	CLA	ND
14	c2	508	CLA	ND
14	c2	509	CLA	ND
14	c2	510	CLA	ND
14	c2	511	CLA	ND

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Mol	Chain	Res	Type	Atom
14	c2	512	CLA	ND
14	c2	513	CLA	ND
14	c2	516	CLA	ND
14	c2	517	CLA	ND
14	c2	518	CLA	ND
14	c2	519	CLA	ND
14	c3	501	CLA	ND
14	c3	502	CLA	ND
14	c3	503	CLA	ND
14	c3	504	CLA	ND
14	c3	505	CLA	ND
14	c3	506	CLA	ND
14	c3	507	CLA	ND
14	c3	508	CLA	ND
14	c3	509	CLA	ND
14	c3	510	CLA	ND
14	c3	511	CLA	ND
14	c3	512	CLA	ND
14	c3	513	CLA	ND
14	c3	516	CLA	ND
14	c3	517	CLA	ND
14	c3	518	CLA	ND
14	c3	519	CLA	ND
14	c4	501	CLA	ND
14	c4	502	CLA	ND
14	c4	503	CLA	ND
14	c4	504	CLA	ND
14	c4	505	CLA	ND
14	c4	506	CLA	ND
14	c4	507	CLA	ND
14	c4	508	CLA	ND
14	c4	509	CLA	ND
14	c4	510	CLA	ND
14	c4	511	CLA	ND
14	c4	512	CLA	ND
14	c4	513	CLA	ND
14	c4	516	CLA	ND
14	c4	517	CLA	ND
14	c4	518	CLA	ND
14	c4	519	CLA	ND
14	c5	501	CLA	ND
14	c5	502	CLA	ND

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Mol	Chain	Res	Type	Atom
14	c5	503	CLA	ND
14	c5	504	CLA	ND
14	c5	505	CLA	ND
14	c5	506	CLA	ND
14	c5	507	CLA	ND
14	c5	508	CLA	ND
14	c5	509	CLA	ND
14	c5	510	CLA	ND
14	c5	511	CLA	ND
14	c5	512	CLA	ND
14	c5	513	CLA	ND
14	c5	516	CLA	ND
14	c5	517	CLA	ND
14	c5	518	CLA	ND
14	c5	519	CLA	ND
14	c6	501	CLA	ND
14	c6	502	CLA	ND
14	c6	503	CLA	ND
14	c6	504	CLA	ND
14	c6	505	CLA	ND
14	c6	506	CLA	ND
14	c6	507	CLA	ND
14	c6	508	CLA	ND
14	c6	509	CLA	ND
14	c6	510	CLA	ND
14	c6	511	CLA	ND
14	c6	512	CLA	ND
14	c6	513	CLA	ND
14	c6	516	CLA	ND
14	c6	517	CLA	ND
14	c6	518	CLA	ND
14	c6	519	CLA	ND
14	S	501	CLA	ND
14	S	502	CLA	ND
14	S	503	CLA	ND
14	S	504	CLA	ND
14	S	505	CLA	ND
14	S	506	CLA	ND
14	S	507	CLA	ND
14	S	508	CLA	ND
14	S	509	CLA	ND
14	S	510	CLA	ND

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Mol	Chain	Res	Type	Atom
14	S	511	CLA	ND
14	S	512	CLA	ND
14	S	513	CLA	ND
14	S	516	CLA	ND
14	S	517	CLA	ND
14	S	518	CLA	ND
14	S	519	CLA	ND
14	T	501	CLA	ND
14	T	502	CLA	ND
14	T	503	CLA	ND
14	T	504	CLA	ND
14	T	505	CLA	ND
14	T	506	CLA	ND
14	T	507	CLA	ND
14	T	508	CLA	ND
14	T	509	CLA	ND
14	T	510	CLA	ND
14	T	511	CLA	ND
14	T	512	CLA	ND
14	T	513	CLA	ND
14	T	516	CLA	ND
14	T	517	CLA	ND
14	T	518	CLA	ND
14	T	519	CLA	ND
14	U	501	CLA	ND
14	U	502	CLA	ND
14	U	503	CLA	ND
14	U	504	CLA	ND
14	U	505	CLA	ND
14	U	506	CLA	ND
14	U	507	CLA	ND
14	U	508	CLA	ND
14	U	509	CLA	ND
14	U	510	CLA	ND
14	U	511	CLA	ND
14	U	512	CLA	ND
14	U	513	CLA	ND
14	U	516	CLA	ND
14	U	517	CLA	ND
14	U	518	CLA	ND
14	U	519	CLA	ND
14	V	501	CLA	ND

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Mol	Chain	Res	Type	Atom
14	V	502	CLA	ND
14	V	503	CLA	ND
14	V	504	CLA	ND
14	V	505	CLA	ND
14	V	506	CLA	ND
14	V	507	CLA	ND
14	V	508	CLA	ND
14	V	509	CLA	ND
14	V	510	CLA	ND
14	V	511	CLA	ND
14	V	512	CLA	ND
14	V	513	CLA	ND
14	V	516	CLA	ND
14	V	517	CLA	ND
14	V	518	CLA	ND
14	V	519	CLA	ND
14	W	501	CLA	ND
14	W	502	CLA	ND
14	W	503	CLA	ND
14	W	504	CLA	ND
14	W	505	CLA	ND
14	W	506	CLA	ND
14	W	507	CLA	ND
14	W	508	CLA	ND
14	W	509	CLA	ND
14	W	510	CLA	ND
14	W	511	CLA	ND
14	W	512	CLA	ND
14	W	513	CLA	ND
14	W	516	CLA	ND
14	W	517	CLA	ND
14	W	518	CLA	ND
14	W	519	CLA	ND
14	X	501	CLA	ND
14	X	502	CLA	ND
14	X	503	CLA	ND
14	X	504	CLA	ND
14	X	505	CLA	ND
14	X	506	CLA	ND
14	X	507	CLA	ND
14	X	508	CLA	ND
14	X	509	CLA	ND

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Mol	Chain	Res	Type	Atom
14	X	510	CLA	ND
14	X	511	CLA	ND
14	X	512	CLA	ND
14	X	513	CLA	ND
14	X	516	CLA	ND
14	X	517	CLA	ND
14	X	518	CLA	ND
14	X	519	CLA	ND
14	Y	501	CLA	ND
14	Y	502	CLA	ND
14	Y	503	CLA	ND
14	Y	504	CLA	ND
14	Y	505	CLA	ND
14	Y	506	CLA	ND
14	Y	507	CLA	ND
14	Y	508	CLA	ND
14	Y	509	CLA	ND
14	Y	510	CLA	ND
14	Y	511	CLA	ND
14	Y	512	CLA	ND
14	Y	513	CLA	ND
14	Y	516	CLA	ND
14	Y	517	CLA	ND
14	Y	518	CLA	ND
14	Y	519	CLA	ND
14	Z	501	CLA	ND
14	Z	502	CLA	ND
14	Z	503	CLA	ND
14	Z	504	CLA	ND
14	Z	505	CLA	ND
14	Z	506	CLA	ND
14	Z	507	CLA	ND
14	Z	508	CLA	ND
14	Z	509	CLA	ND
14	Z	510	CLA	ND
14	Z	511	CLA	ND
14	Z	512	CLA	ND
14	Z	513	CLA	ND
14	Z	516	CLA	ND
14	Z	517	CLA	ND
14	Z	518	CLA	ND
14	Z	519	CLA	ND

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Mol	Chain	Res	Type	Atom
14	a	501	CLA	ND
14	a	502	CLA	ND
14	a	503	CLA	ND
14	a	504	CLA	ND
14	a	505	CLA	ND
14	a	506	CLA	ND
14	a	507	CLA	ND
14	a	508	CLA	ND
14	a	509	CLA	ND
14	a	510	CLA	ND
14	a	511	CLA	ND
14	a	512	CLA	ND
14	a	513	CLA	ND
14	a	516	CLA	ND
14	a	517	CLA	ND
14	a	518	CLA	ND
14	a	519	CLA	ND
14	b	501	CLA	ND
14	b	502	CLA	ND
14	b	503	CLA	ND
14	b	504	CLA	ND
14	b	505	CLA	ND
14	b	506	CLA	ND
14	b	507	CLA	ND
14	b	508	CLA	ND
14	b	509	CLA	ND
14	b	510	CLA	ND
14	b	511	CLA	ND
14	b	512	CLA	ND
14	b	513	CLA	ND
14	b	516	CLA	ND
14	b	517	CLA	ND
14	b	518	CLA	ND
14	b	519	CLA	ND
14	c	501	CLA	ND
14	c	502	CLA	ND
14	c	503	CLA	ND
14	c	504	CLA	ND
14	c	505	CLA	ND
14	c	506	CLA	ND
14	c	507	CLA	ND
14	c	508	CLA	ND

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Mol	Chain	Res	Type	Atom
14	c	509	CLA	ND
14	c	510	CLA	ND
14	c	511	CLA	ND
14	c	512	CLA	ND
14	c	513	CLA	ND
14	c	516	CLA	ND
14	c	517	CLA	ND
14	c	518	CLA	ND
14	c	519	CLA	ND
14	d	501	CLA	ND
14	d	502	CLA	ND
14	d	503	CLA	ND
14	d	504	CLA	ND
14	d	505	CLA	ND
14	d	506	CLA	ND
14	d	507	CLA	ND
14	d	508	CLA	ND
14	d	509	CLA	ND
14	d	510	CLA	ND
14	d	511	CLA	ND
14	d	512	CLA	ND
14	d	513	CLA	ND
14	d	516	CLA	ND
14	d	517	CLA	ND
14	d	518	CLA	ND
14	d	519	CLA	ND
14	e	501	CLA	ND
14	e	502	CLA	ND
14	e	503	CLA	ND
14	e	504	CLA	ND
14	e	505	CLA	ND
14	e	506	CLA	ND
14	e	507	CLA	ND
14	e	508	CLA	ND
14	e	509	CLA	ND
14	e	510	CLA	ND
14	e	511	CLA	ND
14	e	512	CLA	ND
14	e	513	CLA	ND
14	e	516	CLA	ND
14	e	517	CLA	ND
14	e	518	CLA	ND

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Mol	Chain	Res	Type	Atom
14	e	519	CLA	ND
14	f	501	CLA	ND
14	f	502	CLA	ND
14	f	503	CLA	ND
14	f	504	CLA	ND
14	f	505	CLA	ND
14	f	506	CLA	ND
14	f	507	CLA	ND
14	f	508	CLA	ND
14	f	509	CLA	ND
14	f	510	CLA	ND
14	f	511	CLA	ND
14	f	512	CLA	ND
14	f	513	CLA	ND
14	f	516	CLA	ND
14	f	517	CLA	ND
14	f	518	CLA	ND
14	f	519	CLA	ND
14	g	501	CLA	ND
14	g	502	CLA	ND
14	g	503	CLA	ND
14	g	504	CLA	ND
14	g	505	CLA	ND
14	g	506	CLA	ND
14	g	507	CLA	ND
14	g	508	CLA	ND
14	g	509	CLA	ND
14	g	510	CLA	ND
14	g	511	CLA	ND
14	g	512	CLA	ND
14	g	513	CLA	ND
14	g	516	CLA	ND
14	g	517	CLA	ND
14	g	518	CLA	ND
14	g	519	CLA	ND
14	h	501	CLA	ND
14	h	502	CLA	ND
14	h	503	CLA	ND
14	h	504	CLA	ND
14	h	505	CLA	ND
14	h	506	CLA	ND
14	h	507	CLA	ND

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Mol	Chain	Res	Type	Atom
14	h	508	CLA	ND
14	h	509	CLA	ND
14	h	510	CLA	ND
14	h	511	CLA	ND
14	h	512	CLA	ND
14	h	513	CLA	ND
14	h	516	CLA	ND
14	h	517	CLA	ND
14	h	518	CLA	ND
14	h	519	CLA	ND
14	i	501	CLA	ND
14	i	502	CLA	ND
14	i	503	CLA	ND
14	i	504	CLA	ND
14	i	505	CLA	ND
14	i	506	CLA	ND
14	i	507	CLA	ND
14	i	508	CLA	ND
14	i	509	CLA	ND
14	i	510	CLA	ND
14	i	511	CLA	ND
14	i	512	CLA	ND
14	i	513	CLA	ND
14	i	516	CLA	ND
14	i	517	CLA	ND
14	i	518	CLA	ND
14	i	519	CLA	ND
14	j	501	CLA	ND
14	j	502	CLA	ND
14	j	503	CLA	ND
14	j	504	CLA	ND
14	j	505	CLA	ND
14	j	506	CLA	ND
14	j	507	CLA	ND
14	j	508	CLA	ND
14	j	509	CLA	ND
14	j	510	CLA	ND
14	j	511	CLA	ND
14	j	512	CLA	ND
14	j	513	CLA	ND
14	j	516	CLA	ND
14	j	517	CLA	ND

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Mol	Chain	Res	Type	Atom
14	j	518	CLA	ND
14	j	519	CLA	ND
14	k	501	CLA	ND
14	k	502	CLA	ND
14	k	503	CLA	ND
14	k	504	CLA	ND
14	k	505	CLA	ND
14	k	506	CLA	ND
14	k	507	CLA	ND
14	k	508	CLA	ND
14	k	509	CLA	ND
14	k	510	CLA	ND
14	k	511	CLA	ND
14	k	512	CLA	ND
14	k	513	CLA	ND
14	k	516	CLA	ND
14	k	517	CLA	ND
14	k	518	CLA	ND
14	k	519	CLA	ND
14	l	501	CLA	ND
14	l	502	CLA	ND
14	l	503	CLA	ND
14	l	504	CLA	ND
14	l	505	CLA	ND
14	l	506	CLA	ND
14	l	507	CLA	ND
14	l	508	CLA	ND
14	l	509	CLA	ND
14	l	510	CLA	ND
14	l	511	CLA	ND
14	l	512	CLA	ND
14	l	513	CLA	ND
14	l	516	CLA	ND
14	l	517	CLA	ND
14	l	518	CLA	ND
14	l	519	CLA	ND
14	m	504	CLA	ND
14	m	501	CLA	ND
14	m	502	CLA	ND
14	m	503	CLA	ND
14	m	505	CLA	ND
14	m	506	CLA	ND

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Mol	Chain	Res	Type	Atom
14	m	507	CLA	ND
14	m	508	CLA	ND
14	m	509	CLA	ND
14	m	510	CLA	ND
14	m	511	CLA	ND
14	m	512	CLA	ND
14	m	513	CLA	ND
14	m	516	CLA	ND
14	m	517	CLA	ND
14	m	518	CLA	ND
14	m	519	CLA	ND
14	n	501	CLA	ND
14	n	502	CLA	ND
14	n	503	CLA	ND
14	n	504	CLA	ND
14	n	505	CLA	ND
14	n	506	CLA	ND
14	n	507	CLA	ND
14	n	508	CLA	ND
14	n	509	CLA	ND
14	n	510	CLA	ND
14	n	511	CLA	ND
14	n	512	CLA	ND
14	n	513	CLA	ND
14	n	516	CLA	ND
14	n	517	CLA	ND
14	n	518	CLA	ND
14	n	519	CLA	ND
14	o	501	CLA	ND
14	o	502	CLA	ND
14	o	503	CLA	ND
14	o	504	CLA	ND
14	o	505	CLA	ND
14	o	506	CLA	ND
14	o	507	CLA	ND
14	o	508	CLA	ND
14	o	509	CLA	ND
14	o	510	CLA	ND
14	o	511	CLA	ND
14	o	512	CLA	ND
14	o	513	CLA	ND
14	o	516	CLA	ND

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Mol	Chain	Res	Type	Atom
14	o	517	CLA	ND
14	o	518	CLA	ND
14	o	519	CLA	ND
14	p	501	CLA	ND
14	p	502	CLA	ND
14	p	503	CLA	ND
14	p	504	CLA	ND
14	p	505	CLA	ND
14	p	506	CLA	ND
14	p	507	CLA	ND
14	p	508	CLA	ND
14	p	509	CLA	ND
14	p	510	CLA	ND
14	p	511	CLA	ND
14	p	512	CLA	ND
14	p	513	CLA	ND
14	p	516	CLA	ND
14	p	517	CLA	ND
14	p	518	CLA	ND
14	p	519	CLA	ND
14	q	501	CLA	ND
14	q	502	CLA	ND
14	q	503	CLA	ND
14	q	504	CLA	ND
14	q	505	CLA	ND
14	q	506	CLA	ND
14	q	507	CLA	ND
14	q	508	CLA	ND
14	q	509	CLA	ND
14	q	510	CLA	ND
14	q	511	CLA	ND
14	q	512	CLA	ND
14	q	513	CLA	ND
14	q	516	CLA	ND
14	q	517	CLA	ND
14	q	518	CLA	ND
14	q	519	CLA	ND

All (9482) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
14	aA	1101	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	aA	1101	CLA	CHA-CBD-CGD-O1D
14	aA	1101	CLA	CHA-CBD-CGD-O2D
14	aA	1102	CLA	C1A-C2A-CAA-CBA
14	aA	1102	CLA	CHA-CBD-CGD-O2D
14	aA	1103	CLA	CBA-CGA-O2A-C1
14	aA	1103	CLA	O1A-CGA-O2A-C1
14	aA	1103	CLA	CAD-CBD-CGD-O1D
14	aA	1103	CLA	CAD-CBD-CGD-O2D
14	aA	1104	CLA	C1A-C2A-CAA-CBA
14	aA	1104	CLA	C6-C7-C8-C9
14	aA	1106	CLA	C3A-C2A-CAA-CBA
14	aA	1106	CLA	CHA-CBD-CGD-O1D
14	aA	1106	CLA	CHA-CBD-CGD-O2D
14	aA	1107	CLA	CBD-CGD-O2D-CED
14	aA	1108	CLA	CBD-CGD-O2D-CED
14	aA	1109	CLA	CBD-CGD-O2D-CED
14	aA	1112	CLA	C1A-C2A-CAA-CBA
14	aA	1113	CLA	CAD-CBD-CGD-O1D
14	aA	1113	CLA	CAD-CBD-CGD-O2D
14	aA	1116	CLA	C3A-C2A-CAA-CBA
14	aA	1117	CLA	C1A-C2A-CAA-CBA
14	aA	1117	CLA	C3A-C2A-CAA-CBA
14	aA	1118	CLA	C1A-C2A-CAA-CBA
14	aA	1118	CLA	C3A-C2A-CAA-CBA
14	aA	1119	CLA	CBD-CGD-O2D-CED
14	aA	1120	CLA	CAD-CBD-CGD-O1D
14	aA	1120	CLA	CAD-CBD-CGD-O2D
14	aA	1124	CLA	C1A-C2A-CAA-CBA
14	aA	1125	CLA	CAD-CBD-CGD-O2D
14	aA	1125	CLA	C6-C7-C8-C9
14	aA	1126	CLA	C1A-C2A-CAA-CBA
14	aA	1126	CLA	C3A-C2A-CAA-CBA
14	aA	1126	CLA	CBD-CGD-O2D-CED
14	aA	1128	CLA	CHA-CBD-CGD-O1D
14	aA	1128	CLA	CHA-CBD-CGD-O2D
14	aA	1129	CLA	C1A-C2A-CAA-CBA
14	aA	1129	CLA	C3A-C2A-CAA-CBA
14	aA	1129	CLA	CHA-CBD-CGD-O1D
14	aA	1129	CLA	CHA-CBD-CGD-O2D
14	aA	1132	CLA	CHA-CBD-CGD-O1D
14	aA	1132	CLA	CHA-CBD-CGD-O2D
14	aA	1134	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	aA	1135	CLA	CHA-CBD-CGD-O1D
14	aA	1135	CLA	CHA-CBD-CGD-O2D
14	aA	1136	CLA	CAD-CBD-CGD-O1D
14	aA	1136	CLA	CAD-CBD-CGD-O2D
14	aA	1140	CLA	C1A-C2A-CAA-CBA
14	aA	1140	CLA	C3A-C2A-CAA-CBA
14	aA	1801	CLA	CAD-CBD-CGD-O1D
14	aA	1801	CLA	CAD-CBD-CGD-O2D
14	aA	1801	CLA	CBD-CGD-O2D-CED
14	aA	1011	CLA	CBD-CGD-O2D-CED
14	aA	1013	CLA	CBA-CGA-O2A-C1
14	aB	1012	CLA	CAD-CBD-CGD-O1D
14	aB	1012	CLA	CAD-CBD-CGD-O2D
14	aB	1021	CLA	CBD-CGD-O2D-CED
14	aB	1201	CLA	CHA-CBD-CGD-O1D
14	aB	1201	CLA	CHA-CBD-CGD-O2D
14	aB	1023	CLA	CBD-CGD-O2D-CED
14	aB	1202	CLA	C3A-C2A-CAA-CBA
14	aB	1202	CLA	CAD-CBD-CGD-O1D
14	aB	1202	CLA	CAD-CBD-CGD-O2D
14	aB	1205	CLA	C2B-C3B-CAB-CBB
14	aB	1205	CLA	C4B-C3B-CAB-CBB
14	aB	1205	CLA	CHA-CBD-CGD-O1D
14	aB	1205	CLA	CHA-CBD-CGD-O2D
14	aB	1206	CLA	C1A-C2A-CAA-CBA
14	aB	1206	CLA	C3A-C2A-CAA-CBA
14	aB	1206	CLA	CBD-CGD-O2D-CED
14	aB	1207	CLA	CHA-CBD-CGD-O1D
14	aB	1207	CLA	CHA-CBD-CGD-O2D
14	aB	1209	CLA	C1A-C2A-CAA-CBA
14	aB	1209	CLA	C3A-C2A-CAA-CBA
14	aB	1209	CLA	CHA-CBD-CGD-O1D
14	aB	1209	CLA	CHA-CBD-CGD-O2D
14	aB	1210	CLA	C1A-C2A-CAA-CBA
14	aB	1211	CLA	CHA-CBD-CGD-O1D
14	aB	1211	CLA	CHA-CBD-CGD-O2D
14	aB	1215	CLA	C1A-C2A-CAA-CBA
14	aB	1215	CLA	C3A-C2A-CAA-CBA
14	aB	1216	CLA	C4B-C3B-CAB-CBB
14	aB	1217	CLA	C1A-C2A-CAA-CBA
14	aB	1217	CLA	C3A-C2A-CAA-CBA
14	aB	1217	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	aB	1217	CLA	CHA-CBD-CGD-O1D
14	aB	1217	CLA	CHA-CBD-CGD-O2D
14	aB	1218	CLA	CAD-CBD-CGD-O1D
14	aB	1218	CLA	CAD-CBD-CGD-O2D
14	aB	1221	CLA	CHA-CBD-CGD-O1D
14	aB	1221	CLA	CHA-CBD-CGD-O2D
14	aB	1222	CLA	CHA-CBD-CGD-O1D
14	aB	1222	CLA	CHA-CBD-CGD-O2D
14	aB	1223	CLA	CAD-CBD-CGD-O2D
14	aB	1224	CLA	C1A-C2A-CAA-CBA
14	aB	1224	CLA	C3A-C2A-CAA-CBA
14	aB	1224	CLA	CBD-CGD-O2D-CED
14	aB	1225	CLA	C1A-C2A-CAA-CBA
14	aB	1225	CLA	C3A-C2A-CAA-CBA
14	aB	1227	CLA	C1A-C2A-CAA-CBA
14	aB	1227	CLA	C3A-C2A-CAA-CBA
14	aB	1229	CLA	CAD-CBD-CGD-O1D
14	aB	1229	CLA	CAD-CBD-CGD-O2D
14	aB	1230	CLA	C1A-C2A-CAA-CBA
14	aB	1231	CLA	CBA-CGA-O2A-C1
14	aB	1231	CLA	O1A-CGA-O2A-C1
14	aB	1239	CLA	CAD-CBD-CGD-O1D
14	aB	1239	CLA	CAD-CBD-CGD-O2D
14	aB	1232	CLA	C1A-C2A-CAA-CBA
14	aJ	1302	CLA	CAD-CBD-CGD-O1D
14	aJ	1302	CLA	CAD-CBD-CGD-O2D
14	aJ	1303	CLA	CBA-CGA-O2A-C1
14	aJ	1303	CLA	O1A-CGA-O2A-C1
14	aJ	1303	CLA	CBD-CGD-O2D-CED
14	aL	1501	CLA	C1A-C2A-CAA-CBA
14	aL	1501	CLA	C3A-C2A-CAA-CBA
14	aL	1501	CLA	CAD-CBD-CGD-O1D
14	aL	1501	CLA	CAD-CBD-CGD-O2D
14	aL	1502	CLA	C1A-C2A-CAA-CBA
14	a1	501	CLA	CAD-CBD-CGD-O1D
14	a1	501	CLA	CAD-CBD-CGD-O2D
14	a1	502	CLA	CHA-CBD-CGD-O1D
14	a1	502	CLA	CHA-CBD-CGD-O2D
14	a1	503	CLA	CHA-CBD-CGD-O1D
14	a1	503	CLA	CHA-CBD-CGD-O2D
14	a1	507	CLA	CAD-CBD-CGD-O1D
14	a1	507	CLA	CAD-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	a1	510	CLA	CHA-CBD-CGD-O2D
14	a1	511	CLA	CBD-CGD-O2D-CED
14	a1	516	CLA	C3A-C2A-CAA-CBA
14	a1	516	CLA	CBA-CGA-O2A-C1
14	a1	516	CLA	O1A-CGA-O2A-C1
14	a1	516	CLA	CAD-CBD-CGD-O1D
14	a1	516	CLA	CAD-CBD-CGD-O2D
14	a1	517	CLA	CHA-CBD-CGD-O1D
14	a1	517	CLA	CHA-CBD-CGD-O2D
14	a2	501	CLA	CAD-CBD-CGD-O1D
14	a2	501	CLA	CAD-CBD-CGD-O2D
14	a2	506	CLA	CAD-CBD-CGD-O1D
14	a2	506	CLA	CAD-CBD-CGD-O2D
14	a2	506	CLA	CBD-CGD-O2D-CED
14	a2	507	CLA	CAD-CBD-CGD-O1D
14	a2	507	CLA	CAD-CBD-CGD-O2D
14	a2	517	CLA	C1A-C2A-CAA-CBA
14	a2	517	CLA	C3A-C2A-CAA-CBA
14	a2	517	CLA	CBD-CGD-O2D-CED
14	a2	518	CLA	CHA-CBD-CGD-O1D
14	a2	518	CLA	CHA-CBD-CGD-O2D
14	a3	506	CLA	CAD-CBD-CGD-O2D
14	a3	506	CLA	CBD-CGD-O2D-CED
14	a3	507	CLA	CAD-CBD-CGD-O1D
14	a3	507	CLA	CAD-CBD-CGD-O2D
14	a3	510	CLA	C4-C3-C5-C6
14	a3	516	CLA	C1A-C2A-CAA-CBA
14	a3	517	CLA	CHA-CBD-CGD-O1D
14	a3	517	CLA	CHA-CBD-CGD-O2D
14	a3	519	CLA	CHA-CBD-CGD-O2D
14	a4	501	CLA	CAD-CBD-CGD-O1D
14	a4	501	CLA	CAD-CBD-CGD-O2D
14	a4	505	CLA	C1A-C2A-CAA-CBA
14	a4	505	CLA	C3A-C2A-CAA-CBA
14	a4	506	CLA	CBD-CGD-O2D-CED
14	a4	510	CLA	CHA-CBD-CGD-O1D
14	a4	510	CLA	CHA-CBD-CGD-O2D
14	a4	513	CLA	CAD-CBD-CGD-O1D
14	a4	513	CLA	CAD-CBD-CGD-O2D
14	a4	516	CLA	CAD-CBD-CGD-O1D
14	a4	516	CLA	CAD-CBD-CGD-O2D
14	a4	518	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	a4	519	CLA	CHA-CBD-CGD-O1D
14	a4	519	CLA	CHA-CBD-CGD-O2D
14	a5	501	CLA	CAD-CBD-CGD-O1D
14	a5	501	CLA	CAD-CBD-CGD-O2D
14	a5	502	CLA	CHA-CBD-CGD-O1D
14	a5	502	CLA	CHA-CBD-CGD-O2D
14	a5	505	CLA	O1A-CGA-O2A-C1
14	a5	506	CLA	CAD-CBD-CGD-O1D
14	a5	506	CLA	CAD-CBD-CGD-O2D
14	a5	510	CLA	CBD-CGD-O2D-CED
14	a5	512	CLA	C1A-C2A-CAA-CBA
14	a5	512	CLA	C3A-C2A-CAA-CBA
14	a5	516	CLA	C3A-C2A-CAA-CBA
14	a5	516	CLA	CAD-CBD-CGD-O1D
14	a5	516	CLA	CAD-CBD-CGD-O2D
14	a5	517	CLA	CAD-CBD-CGD-O2D
14	a5	518	CLA	CAD-CBD-CGD-O1D
14	a5	518	CLA	CAD-CBD-CGD-O2D
14	a5	519	CLA	CHA-CBD-CGD-O1D
14	a5	519	CLA	CHA-CBD-CGD-O2D
14	a6	502	CLA	CHA-CBD-CGD-O1D
14	a6	502	CLA	CHA-CBD-CGD-O2D
14	a6	506	CLA	CAD-CBD-CGD-O1D
14	a6	506	CLA	CAD-CBD-CGD-O2D
14	a6	507	CLA	CAD-CBD-CGD-O1D
14	a6	507	CLA	CAD-CBD-CGD-O2D
14	a6	511	CLA	CBD-CGD-O2D-CED
14	a6	512	CLA	CHA-CBD-CGD-O1D
14	a6	512	CLA	CHA-CBD-CGD-O2D
14	a6	516	CLA	CAD-CBD-CGD-O1D
14	a6	516	CLA	CAD-CBD-CGD-O2D
14	a6	517	CLA	CHA-CBD-CGD-O1D
14	a6	517	CLA	CHA-CBD-CGD-O2D
14	a6	518	CLA	CBD-CGD-O2D-CED
14	a6	519	CLA	C1A-C2A-CAA-CBA
14	a6	519	CLA	CBD-CGD-O2D-CED
14	bA	1011	CLA	CBD-CGD-O2D-CED
14	bA	1101	CLA	CHA-CBD-CGD-O1D
14	bA	1101	CLA	CHA-CBD-CGD-O2D
14	bA	1102	CLA	C1A-C2A-CAA-CBA
14	bA	1102	CLA	CHA-CBD-CGD-O1D
14	bA	1102	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	bA	1103	CLA	CBA-CGA-O2A-C1
14	bA	1103	CLA	O1A-CGA-O2A-C1
14	bA	1104	CLA	C1A-C2A-CAA-CBA
14	bA	1104	CLA	C6-C7-C8-C9
14	bA	1106	CLA	C3A-C2A-CAA-CBA
14	bA	1106	CLA	CHA-CBD-CGD-O1D
14	bA	1106	CLA	CHA-CBD-CGD-O2D
14	bA	1106	CLA	C6-C7-C8-C9
14	bA	1109	CLA	CBD-CGD-O2D-CED
14	bA	1109	CLA	O1D-CGD-O2D-CED
14	bA	1116	CLA	C3A-C2A-CAA-CBA
14	bA	1117	CLA	C1A-C2A-CAA-CBA
14	bA	1117	CLA	C3A-C2A-CAA-CBA
14	bA	1118	CLA	C1A-C2A-CAA-CBA
14	bA	1118	CLA	C3A-C2A-CAA-CBA
14	bA	1119	CLA	CBD-CGD-O2D-CED
14	bA	1120	CLA	CAD-CBD-CGD-O2D
14	bA	1124	CLA	C1A-C2A-CAA-CBA
14	bA	1124	CLA	C3A-C2A-CAA-CBA
14	bA	1125	CLA	C6-C7-C8-C9
14	bA	1126	CLA	C1A-C2A-CAA-CBA
14	bA	1126	CLA	C3A-C2A-CAA-CBA
14	bA	1126	CLA	CBD-CGD-O2D-CED
14	bA	1128	CLA	CHA-CBD-CGD-O1D
14	bA	1128	CLA	CHA-CBD-CGD-O2D
14	bA	1129	CLA	C1A-C2A-CAA-CBA
14	bA	1129	CLA	C3A-C2A-CAA-CBA
14	bA	1129	CLA	CHA-CBD-CGD-O1D
14	bA	1129	CLA	CHA-CBD-CGD-O2D
14	bA	1132	CLA	C4B-C3B-CAB-CBB
14	bA	1132	CLA	CHA-CBD-CGD-O1D
14	bA	1132	CLA	CHA-CBD-CGD-O2D
14	bA	1134	CLA	C1A-C2A-CAA-CBA
14	bA	1136	CLA	CAD-CBD-CGD-O1D
14	bA	1136	CLA	CAD-CBD-CGD-O2D
14	bA	1137	CLA	C2-C3-C5-C6
14	bA	1137	CLA	C4-C3-C5-C6
14	bA	1139	CLA	CBD-CGD-O2D-CED
14	bA	1140	CLA	C1A-C2A-CAA-CBA
14	bA	1140	CLA	C3A-C2A-CAA-CBA
14	bA	1801	CLA	C1A-C2A-CAA-CBA
14	bA	1801	CLA	CAD-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	bA	1801	CLA	CAD-CBD-CGD-O2D
14	bA	1013	CLA	CBA-CGA-O2A-C1
14	bB	1012	CLA	CAD-CBD-CGD-O1D
14	bB	1012	CLA	CAD-CBD-CGD-O2D
14	bB	1021	CLA	C2B-C3B-CAB-CBB
14	bB	1021	CLA	C4B-C3B-CAB-CBB
14	bB	1023	CLA	CBD-CGD-O2D-CED
14	bB	1201	CLA	CHA-CBD-CGD-O1D
14	bB	1201	CLA	CHA-CBD-CGD-O2D
14	bB	1202	CLA	C3A-C2A-CAA-CBA
14	bB	1202	CLA	CAD-CBD-CGD-O1D
14	bB	1202	CLA	CAD-CBD-CGD-O2D
14	bB	1205	CLA	C2B-C3B-CAB-CBB
14	bB	1205	CLA	C4B-C3B-CAB-CBB
14	bB	1205	CLA	CHA-CBD-CGD-O1D
14	bB	1205	CLA	CHA-CBD-CGD-O2D
14	bB	1206	CLA	C1A-C2A-CAA-CBA
14	bB	1206	CLA	C3A-C2A-CAA-CBA
14	bB	1206	CLA	CBD-CGD-O2D-CED
14	bB	1207	CLA	CHA-CBD-CGD-O1D
14	bB	1207	CLA	CHA-CBD-CGD-O2D
14	bB	1209	CLA	C1A-C2A-CAA-CBA
14	bB	1209	CLA	C3A-C2A-CAA-CBA
14	bB	1209	CLA	CHA-CBD-CGD-O1D
14	bB	1209	CLA	CHA-CBD-CGD-O2D
14	bB	1210	CLA	C1A-C2A-CAA-CBA
14	bB	1211	CLA	CHA-CBD-CGD-O1D
14	bB	1211	CLA	CHA-CBD-CGD-O2D
14	bB	1215	CLA	C1A-C2A-CAA-CBA
14	bB	1215	CLA	C3A-C2A-CAA-CBA
14	bB	1216	CLA	C2B-C3B-CAB-CBB
14	bB	1216	CLA	C4B-C3B-CAB-CBB
14	bB	1217	CLA	C1A-C2A-CAA-CBA
14	bB	1217	CLA	C3A-C2A-CAA-CBA
14	bB	1218	CLA	CAD-CBD-CGD-O1D
14	bB	1218	CLA	CAD-CBD-CGD-O2D
14	bB	1221	CLA	CHA-CBD-CGD-O1D
14	bB	1221	CLA	CHA-CBD-CGD-O2D
14	bB	1222	CLA	CHA-CBD-CGD-O1D
14	bB	1222	CLA	CHA-CBD-CGD-O2D
14	bB	1223	CLA	CAD-CBD-CGD-O2D
14	bB	1224	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	bB	1224	CLA	C3A-C2A-CAA-CBA
14	bB	1225	CLA	C1A-C2A-CAA-CBA
14	bB	1225	CLA	C3A-C2A-CAA-CBA
14	bB	1227	CLA	C1A-C2A-CAA-CBA
14	bB	1227	CLA	C3A-C2A-CAA-CBA
14	bB	1229	CLA	CAD-CBD-CGD-O1D
14	bB	1229	CLA	CAD-CBD-CGD-O2D
14	bB	1230	CLA	C1A-C2A-CAA-CBA
14	bB	1231	CLA	CBA-CGA-O2A-C1
14	bB	1232	CLA	C1A-C2A-CAA-CBA
14	bB	1234	CLA	CHA-CBD-CGD-O1D
14	bB	1234	CLA	CHA-CBD-CGD-O2D
14	bB	1238	CLA	C2B-C3B-CAB-CBB
14	bB	1238	CLA	C4B-C3B-CAB-CBB
14	bB	1239	CLA	CAD-CBD-CGD-O1D
14	bB	1239	CLA	CAD-CBD-CGD-O2D
14	bJ	1302	CLA	CAD-CBD-CGD-O1D
14	bJ	1302	CLA	CAD-CBD-CGD-O2D
14	bJ	1303	CLA	CBD-CGD-O2D-CED
14	bJ	1303	CLA	O2A-C1-C2-C3
14	bK	1103	CLA	C1A-C2A-CAA-CBA
14	bK	1103	CLA	C3A-C2A-CAA-CBA
14	bL	1501	CLA	C1A-C2A-CAA-CBA
14	bL	1501	CLA	C3A-C2A-CAA-CBA
14	bL	1501	CLA	CAD-CBD-CGD-O1D
14	bL	1501	CLA	CAD-CBD-CGD-O2D
14	bL	1502	CLA	C1A-C2A-CAA-CBA
14	b1	501	CLA	CAD-CBD-CGD-O1D
14	b1	501	CLA	CAD-CBD-CGD-O2D
14	b1	501	CLA	CBD-CGD-O2D-CED
14	b1	503	CLA	CBD-CGD-O2D-CED
14	b1	506	CLA	CAD-CBD-CGD-O1D
14	b1	506	CLA	CAD-CBD-CGD-O2D
14	b1	506	CLA	CBD-CGD-O2D-CED
14	b1	507	CLA	CAD-CBD-CGD-O1D
14	b1	507	CLA	CAD-CBD-CGD-O2D
14	b1	510	CLA	CBD-CGD-O2D-CED
14	b1	516	CLA	CAD-CBD-CGD-O1D
14	b1	516	CLA	CAD-CBD-CGD-O2D
14	b1	517	CLA	CHA-CBD-CGD-O1D
14	b1	517	CLA	CHA-CBD-CGD-O2D
14	b2	501	CLA	CAD-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	b2	503	CLA	CBD-CGD-O2D-CED
14	b2	505	CLA	CAD-CBD-CGD-O1D
14	b2	505	CLA	CAD-CBD-CGD-O2D
14	b2	507	CLA	CAD-CBD-CGD-O1D
14	b2	507	CLA	CAD-CBD-CGD-O2D
14	b2	512	CLA	CHA-CBD-CGD-O1D
14	b2	512	CLA	CHA-CBD-CGD-O2D
14	b2	516	CLA	C1A-C2A-CAA-CBA
14	b2	516	CLA	C3A-C2A-CAA-CBA
14	b2	517	CLA	CHA-CBD-CGD-O1D
14	b2	517	CLA	CHA-CBD-CGD-O2D
14	b2	518	CLA	CHA-CBD-CGD-O2D
14	b3	507	CLA	CAD-CBD-CGD-O1D
14	b3	507	CLA	CAD-CBD-CGD-O2D
14	b3	510	CLA	C2-C3-C5-C6
14	b3	510	CLA	C4-C3-C5-C6
14	b3	511	CLA	CBD-CGD-O2D-CED
14	b3	512	CLA	CHA-CBD-CGD-O2D
14	b3	516	CLA	CAD-CBD-CGD-O1D
14	b3	516	CLA	CAD-CBD-CGD-O2D
14	b3	518	CLA	CAD-CBD-CGD-O2D
14	b3	519	CLA	CAD-CBD-CGD-O1D
14	b3	519	CLA	CAD-CBD-CGD-O2D
14	b4	501	CLA	CAD-CBD-CGD-O1D
14	b4	501	CLA	CAD-CBD-CGD-O2D
14	b4	501	CLA	CBD-CGD-O2D-CED
14	b4	502	CLA	CAD-CBD-CGD-O1D
14	b4	502	CLA	CAD-CBD-CGD-O2D
14	b4	504	CLA	O2A-C1-C2-C3
14	b4	505	CLA	C1A-C2A-CAA-CBA
14	b4	505	CLA	C3A-C2A-CAA-CBA
14	b4	506	CLA	CBD-CGD-O2D-CED
14	b4	507	CLA	CAD-CBD-CGD-O2D
14	b4	510	CLA	CBD-CGD-O2D-CED
14	b4	518	CLA	CHA-CBD-CGD-O1D
14	b4	518	CLA	CHA-CBD-CGD-O2D
14	b4	519	CLA	CHA-CBD-CGD-O1D
14	b4	519	CLA	CHA-CBD-CGD-O2D
14	b5	502	CLA	CHA-CBD-CGD-O1D
14	b5	502	CLA	CHA-CBD-CGD-O2D
14	b5	502	CLA	CBD-CGD-O2D-CED
14	b5	512	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	b5	512	CLA	C3A-C2A-CAA-CBA
14	b5	512	CLA	CAD-CBD-CGD-O1D
14	b5	512	CLA	CAD-CBD-CGD-O2D
14	b5	513	CLA	CBD-CGD-O2D-CED
14	b5	516	CLA	CAD-CBD-CGD-O1D
14	b5	516	CLA	CAD-CBD-CGD-O2D
14	b5	519	CLA	CHA-CBD-CGD-O1D
14	b5	519	CLA	CHA-CBD-CGD-O2D
14	b6	504	CLA	CAD-CBD-CGD-O1D
14	b6	504	CLA	CAD-CBD-CGD-O2D
14	b6	506	CLA	CAD-CBD-CGD-O1D
14	b6	506	CLA	CAD-CBD-CGD-O2D
14	b6	508	CLA	CBD-CGD-O2D-CED
14	b6	512	CLA	CHA-CBD-CGD-O1D
14	b6	512	CLA	CHA-CBD-CGD-O2D
14	b6	516	CLA	C1A-C2A-CAA-CBA
14	b6	516	CLA	C3A-C2A-CAA-CBA
14	b6	516	CLA	CAD-CBD-CGD-O1D
14	b6	516	CLA	CAD-CBD-CGD-O2D
14	b6	518	CLA	CHA-CBD-CGD-O1D
14	b6	518	CLA	CHA-CBD-CGD-O2D
14	b6	519	CLA	C2B-C3B-CAB-CBB
14	b6	519	CLA	C4B-C3B-CAB-CBB
14	cA	1011	CLA	CBD-CGD-O2D-CED
14	cA	1011	CLA	O1D-CGD-O2D-CED
14	cA	1101	CLA	C1A-C2A-CAA-CBA
14	cA	1101	CLA	C3A-C2A-CAA-CBA
14	cA	1101	CLA	CHA-CBD-CGD-O1D
14	cA	1101	CLA	CHA-CBD-CGD-O2D
14	cA	1102	CLA	C1A-C2A-CAA-CBA
14	cA	1102	CLA	CHA-CBD-CGD-O1D
14	cA	1102	CLA	CHA-CBD-CGD-O2D
14	cA	1103	CLA	CBA-CGA-O2A-C1
14	cA	1103	CLA	O1A-CGA-O2A-C1
14	cA	1103	CLA	CAD-CBD-CGD-O1D
14	cA	1103	CLA	CAD-CBD-CGD-O2D
14	cA	1104	CLA	C1A-C2A-CAA-CBA
14	cA	1104	CLA	C3A-C2A-CAA-CBA
14	cA	1106	CLA	C3A-C2A-CAA-CBA
14	cA	1106	CLA	CHA-CBD-CGD-O1D
14	cA	1106	CLA	CHA-CBD-CGD-O2D
14	cA	1109	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	cA	1109	CLA	O1D-CGD-O2D-CED
14	cA	1116	CLA	C3A-C2A-CAA-CBA
14	cA	1117	CLA	C1A-C2A-CAA-CBA
14	cA	1117	CLA	C3A-C2A-CAA-CBA
14	cA	1118	CLA	C3A-C2A-CAA-CBA
14	cA	1119	CLA	CBD-CGD-O2D-CED
14	cA	1120	CLA	CAD-CBD-CGD-O1D
14	cA	1120	CLA	CAD-CBD-CGD-O2D
14	cA	1125	CLA	C2B-C3B-CAB-CBB
14	cA	1125	CLA	C4B-C3B-CAB-CBB
14	cA	1125	CLA	CAD-CBD-CGD-O2D
14	cA	1125	CLA	C6-C7-C8-C9
14	cA	1126	CLA	C1A-C2A-CAA-CBA
14	cA	1126	CLA	C3A-C2A-CAA-CBA
14	cA	1126	CLA	CBD-CGD-O2D-CED
14	cA	1128	CLA	CHA-CBD-CGD-O1D
14	cA	1128	CLA	CHA-CBD-CGD-O2D
14	cA	1129	CLA	C1A-C2A-CAA-CBA
14	cA	1129	CLA	C3A-C2A-CAA-CBA
14	cA	1129	CLA	CHA-CBD-CGD-O1D
14	cA	1129	CLA	CHA-CBD-CGD-O2D
14	cA	1129	CLA	C3-C5-C6-C7
14	cA	1132	CLA	C2B-C3B-CAB-CBB
14	cA	1132	CLA	C4B-C3B-CAB-CBB
14	cA	1132	CLA	CHA-CBD-CGD-O1D
14	cA	1132	CLA	CHA-CBD-CGD-O2D
14	cA	1134	CLA	C1A-C2A-CAA-CBA
14	cA	1136	CLA	CAD-CBD-CGD-O1D
14	cA	1136	CLA	CAD-CBD-CGD-O2D
14	cA	1140	CLA	C1A-C2A-CAA-CBA
14	cA	1140	CLA	C3A-C2A-CAA-CBA
14	cA	1237	CLA	C2-C3-C5-C6
14	cA	1237	CLA	C4-C3-C5-C6
14	cA	1801	CLA	C1A-C2A-CAA-CBA
14	cA	1801	CLA	C3A-C2A-CAA-CBA
14	cA	1801	CLA	CAD-CBD-CGD-O1D
14	cA	1801	CLA	CAD-CBD-CGD-O2D
14	cB	1012	CLA	CAD-CBD-CGD-O1D
14	cB	1012	CLA	CAD-CBD-CGD-O2D
14	cB	1201	CLA	CHA-CBD-CGD-O1D
14	cB	1201	CLA	CHA-CBD-CGD-O2D
14	cB	1202	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	cB	1203	CLA	C11-C10-C8-C7
14	cB	1205	CLA	C2B-C3B-CAB-CBB
14	cB	1205	CLA	C4B-C3B-CAB-CBB
14	cB	1205	CLA	CHA-CBD-CGD-O1D
14	cB	1205	CLA	CHA-CBD-CGD-O2D
14	cB	1206	CLA	C1A-C2A-CAA-CBA
14	cB	1206	CLA	C3A-C2A-CAA-CBA
14	cB	1207	CLA	CHA-CBD-CGD-O1D
14	cB	1207	CLA	CHA-CBD-CGD-O2D
14	cB	1209	CLA	C1A-C2A-CAA-CBA
14	cB	1209	CLA	C3A-C2A-CAA-CBA
14	cB	1209	CLA	CHA-CBD-CGD-O1D
14	cB	1209	CLA	CHA-CBD-CGD-O2D
14	cB	1210	CLA	C1A-C2A-CAA-CBA
14	cB	1211	CLA	CHA-CBD-CGD-O1D
14	cB	1211	CLA	CHA-CBD-CGD-O2D
14	cB	1215	CLA	C1A-C2A-CAA-CBA
14	cB	1215	CLA	C3A-C2A-CAA-CBA
14	cB	1216	CLA	C2B-C3B-CAB-CBB
14	cB	1216	CLA	C4B-C3B-CAB-CBB
14	cB	1217	CLA	C1A-C2A-CAA-CBA
14	cB	1217	CLA	C3A-C2A-CAA-CBA
14	cB	1218	CLA	CAD-CBD-CGD-O1D
14	cB	1218	CLA	CAD-CBD-CGD-O2D
14	cB	1221	CLA	CHA-CBD-CGD-O1D
14	cB	1221	CLA	CHA-CBD-CGD-O2D
14	cB	1222	CLA	CHA-CBD-CGD-O1D
14	cB	1222	CLA	CHA-CBD-CGD-O2D
14	cB	1223	CLA	CAD-CBD-CGD-O2D
14	cB	1224	CLA	C1A-C2A-CAA-CBA
14	cB	1224	CLA	C3A-C2A-CAA-CBA
14	cB	1225	CLA	C1A-C2A-CAA-CBA
14	cB	1225	CLA	C3A-C2A-CAA-CBA
14	cB	1227	CLA	C1A-C2A-CAA-CBA
14	cB	1227	CLA	C3A-C2A-CAA-CBA
14	cB	1227	CLA	CHA-CBD-CGD-O2D
14	cB	1229	CLA	CAD-CBD-CGD-O1D
14	cB	1229	CLA	CAD-CBD-CGD-O2D
14	cB	1230	CLA	C1A-C2A-CAA-CBA
14	cB	1231	CLA	CBA-CGA-O2A-C1
14	cB	1231	CLA	O1A-CGA-O2A-C1
14	cB	1232	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	cB	1232	CLA	C3A-C2A-CAA-CBA
14	cB	1232	CLA	CBD-CGD-O2D-CED
14	cB	1234	CLA	CHA-CBD-CGD-O1D
14	cB	1234	CLA	CHA-CBD-CGD-O2D
14	cB	1239	CLA	CAD-CBD-CGD-O1D
14	cB	1239	CLA	CAD-CBD-CGD-O2D
14	cF	1301	CLA	C2B-C3B-CAB-CBB
14	cF	1301	CLA	C4B-C3B-CAB-CBB
14	cJ	1302	CLA	CAD-CBD-CGD-O1D
14	cJ	1302	CLA	CAD-CBD-CGD-O2D
14	cJ	1303	CLA	O2A-C1-C2-C3
14	cL	1501	CLA	C1A-C2A-CAA-CBA
14	cL	1501	CLA	C3A-C2A-CAA-CBA
14	cL	1501	CLA	CAD-CBD-CGD-O1D
14	cL	1501	CLA	CAD-CBD-CGD-O2D
14	cX	1401	CLA	CHA-CBD-CGD-O2D
14	c1	501	CLA	CAD-CBD-CGD-O1D
14	c1	501	CLA	CAD-CBD-CGD-O2D
14	c1	503	CLA	CHA-CBD-CGD-O1D
14	c1	503	CLA	CHA-CBD-CGD-O2D
14	c1	506	CLA	C1A-C2A-CAA-CBA
14	c1	506	CLA	C3A-C2A-CAA-CBA
14	c1	506	CLA	CBD-CGD-O2D-CED
14	c1	507	CLA	CAD-CBD-CGD-O1D
14	c1	507	CLA	CAD-CBD-CGD-O2D
14	c1	516	CLA	CBA-CGA-O2A-C1
14	c1	516	CLA	O1A-CGA-O2A-C1
14	c1	516	CLA	O2A-C1-C2-C3
14	c1	517	CLA	C1A-C2A-CAA-CBA
14	c1	517	CLA	C3A-C2A-CAA-CBA
14	c1	517	CLA	CHA-CBD-CGD-O1D
14	c1	517	CLA	CHA-CBD-CGD-O2D
14	c1	519	CLA	C1A-C2A-CAA-CBA
14	c2	505	CLA	CAD-CBD-CGD-O1D
14	c2	505	CLA	CAD-CBD-CGD-O2D
14	c2	506	CLA	CAD-CBD-CGD-O1D
14	c2	506	CLA	CAD-CBD-CGD-O2D
14	c2	507	CLA	CAD-CBD-CGD-O1D
14	c2	507	CLA	CAD-CBD-CGD-O2D
14	c2	516	CLA	C2B-C3B-CAB-CBB
14	c2	516	CLA	C4B-C3B-CAB-CBB
14	c2	516	CLA	CAD-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	c2	516	CLA	CAD-CBD-CGD-O2D
14	c2	517	CLA	CHA-CBD-CGD-O1D
14	c2	517	CLA	CHA-CBD-CGD-O2D
14	c2	518	CLA	CHA-CBD-CGD-O1D
14	c2	518	CLA	CHA-CBD-CGD-O2D
14	c2	519	CLA	CBD-CGD-O2D-CED
14	c3	501	CLA	CAD-CBD-CGD-O1D
14	c3	501	CLA	CAD-CBD-CGD-O2D
14	c3	502	CLA	CHA-CBD-CGD-O1D
14	c3	502	CLA	CHA-CBD-CGD-O2D
14	c3	503	CLA	CBD-CGD-O2D-CED
14	c3	507	CLA	CAD-CBD-CGD-O1D
14	c3	507	CLA	CAD-CBD-CGD-O2D
14	c3	510	CLA	C4-C3-C5-C6
14	c3	517	CLA	CHA-CBD-CGD-O1D
14	c3	517	CLA	CHA-CBD-CGD-O2D
14	c3	518	CLA	CHA-CBD-CGD-O1D
14	c3	518	CLA	CHA-CBD-CGD-O2D
14	c4	502	CLA	CAD-CBD-CGD-O1D
14	c4	502	CLA	CAD-CBD-CGD-O2D
14	c4	505	CLA	C1A-C2A-CAA-CBA
14	c4	505	CLA	C3A-C2A-CAA-CBA
14	c4	506	CLA	C1A-C2A-CAA-CBA
14	c4	506	CLA	CHA-CBD-CGD-O1D
14	c4	506	CLA	CHA-CBD-CGD-O2D
14	c4	510	CLA	C4-C3-C5-C6
14	c4	513	CLA	C4B-C3B-CAB-CBB
14	c4	516	CLA	CAD-CBD-CGD-O1D
14	c4	516	CLA	CAD-CBD-CGD-O2D
14	c4	517	CLA	C3A-C2A-CAA-CBA
14	c4	517	CLA	CAD-CBD-CGD-O1D
14	c4	517	CLA	CAD-CBD-CGD-O2D
14	c4	518	CLA	CHA-CBD-CGD-O1D
14	c4	518	CLA	CHA-CBD-CGD-O2D
14	c4	518	CLA	CBD-CGD-O2D-CED
14	c4	519	CLA	CHA-CBD-CGD-O1D
14	c4	519	CLA	CHA-CBD-CGD-O2D
14	c5	501	CLA	CBD-CGD-O2D-CED
14	c5	502	CLA	CHA-CBD-CGD-O1D
14	c5	502	CLA	CHA-CBD-CGD-O2D
14	c5	504	CLA	CHA-CBD-CGD-O1D
14	c5	504	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	c5	507	CLA	CHA-CBD-CGD-O1D
14	c5	507	CLA	CHA-CBD-CGD-O2D
14	c5	511	CLA	CBD-CGD-O2D-CED
14	c5	516	CLA	CAD-CBD-CGD-O1D
14	c5	516	CLA	CAD-CBD-CGD-O2D
14	c5	516	CLA	CBD-CGD-O2D-CED
14	c5	517	CLA	CBD-CGD-O2D-CED
14	c5	518	CLA	CAD-CBD-CGD-O2D
14	c5	519	CLA	CHA-CBD-CGD-O1D
14	c5	519	CLA	CHA-CBD-CGD-O2D
14	c6	501	CLA	C4-C3-C5-C6
14	c6	502	CLA	CHA-CBD-CGD-O1D
14	c6	502	CLA	CHA-CBD-CGD-O2D
14	c6	506	CLA	C1A-C2A-CAA-CBA
14	c6	506	CLA	C3A-C2A-CAA-CBA
14	c6	506	CLA	CAD-CBD-CGD-O1D
14	c6	506	CLA	CAD-CBD-CGD-O2D
14	c6	507	CLA	CAD-CBD-CGD-O1D
14	c6	507	CLA	CAD-CBD-CGD-O2D
14	c6	508	CLA	CBD-CGD-O2D-CED
14	c6	510	CLA	CHA-CBD-CGD-O1D
14	c6	510	CLA	CHA-CBD-CGD-O2D
14	c6	511	CLA	CBD-CGD-O2D-CED
14	c6	516	CLA	CAD-CBD-CGD-O1D
14	c6	516	CLA	CAD-CBD-CGD-O2D
14	c6	517	CLA	CHA-CBD-CGD-O1D
14	c6	517	CLA	CHA-CBD-CGD-O2D
14	c6	518	CLA	CHA-CBD-CGD-O2D
14	c6	518	CLA	CBD-CGD-O2D-CED
14	c6	519	CLA	CBD-CGD-O2D-CED
14	S	502	CLA	CHA-CBD-CGD-O1D
14	S	502	CLA	CHA-CBD-CGD-O2D
14	S	502	CLA	CBD-CGD-O2D-CED
14	S	503	CLA	CBD-CGD-O2D-CED
14	S	506	CLA	CAD-CBD-CGD-O1D
14	S	506	CLA	CAD-CBD-CGD-O2D
14	S	509	CLA	C6-C7-C8-C9
14	S	510	CLA	CHA-CBD-CGD-O1D
14	S	510	CLA	CHA-CBD-CGD-O2D
14	S	517	CLA	C1A-C2A-CAA-CBA
14	S	517	CLA	C3A-C2A-CAA-CBA
14	S	517	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	S	517	CLA	CHA-CBD-CGD-O2D
14	S	519	CLA	C3A-C2A-CAA-CBA
14	T	501	CLA	CAD-CBD-CGD-O1D
14	T	501	CLA	CAD-CBD-CGD-O2D
14	T	501	CLA	CBD-CGD-O2D-CED
14	T	502	CLA	CHA-CBD-CGD-O1D
14	T	502	CLA	CHA-CBD-CGD-O2D
14	T	505	CLA	CBA-CGA-O2A-C1
14	T	507	CLA	CAD-CBD-CGD-O1D
14	T	507	CLA	CAD-CBD-CGD-O2D
14	T	509	CLA	C6-C7-C8-C9
14	T	510	CLA	CHA-CBD-CGD-O1D
14	T	510	CLA	CHA-CBD-CGD-O2D
14	T	516	CLA	CAD-CBD-CGD-O1D
14	T	516	CLA	CAD-CBD-CGD-O2D
14	T	517	CLA	C1A-C2A-CAA-CBA
14	T	517	CLA	C3A-C2A-CAA-CBA
14	T	517	CLA	CHA-CBD-CGD-O1D
14	T	517	CLA	CHA-CBD-CGD-O2D
14	T	519	CLA	CHA-CBD-CGD-O1D
14	T	519	CLA	CHA-CBD-CGD-O2D
14	U	501	CLA	CAD-CBD-CGD-O1D
14	U	501	CLA	CAD-CBD-CGD-O2D
14	U	501	CLA	CBD-CGD-O2D-CED
14	U	502	CLA	CHA-CBD-CGD-O2D
14	U	506	CLA	CAD-CBD-CGD-O1D
14	U	506	CLA	CAD-CBD-CGD-O2D
14	U	506	CLA	CBD-CGD-O2D-CED
14	U	509	CLA	C4B-C3B-CAB-CBB
14	U	510	CLA	CBD-CGD-O2D-CED
14	U	511	CLA	CBD-CGD-O2D-CED
14	U	512	CLA	C1A-C2A-CAA-CBA
14	U	512	CLA	C3A-C2A-CAA-CBA
14	U	512	CLA	CHA-CBD-CGD-O1D
14	U	512	CLA	CHA-CBD-CGD-O2D
14	U	517	CLA	CHA-CBD-CGD-O1D
14	U	517	CLA	CHA-CBD-CGD-O2D
14	U	518	CLA	CHA-CBD-CGD-O1D
14	U	518	CLA	CHA-CBD-CGD-O2D
14	U	519	CLA	C1A-C2A-CAA-CBA
14	U	519	CLA	C3A-C2A-CAA-CBA
14	V	501	CLA	CAD-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	V	501	CLA	CAD-CBD-CGD-O2D
14	V	501	CLA	CBD-CGD-O2D-CED
14	V	502	CLA	C4B-C3B-CAB-CBB
14	V	503	CLA	CHA-CBD-CGD-O2D
14	V	505	CLA	CAD-CBD-CGD-O1D
14	V	505	CLA	CAD-CBD-CGD-O2D
14	V	505	CLA	C6-C7-C8-C9
14	V	507	CLA	CAD-CBD-CGD-O1D
14	V	507	CLA	CAD-CBD-CGD-O2D
14	V	510	CLA	CBD-CGD-O2D-CED
14	V	516	CLA	C3A-C2A-CAA-CBA
14	V	516	CLA	CAD-CBD-CGD-O1D
14	V	516	CLA	CAD-CBD-CGD-O2D
14	V	517	CLA	C3A-C2A-CAA-CBA
14	V	517	CLA	CHA-CBD-CGD-O2D
14	V	518	CLA	CHA-CBD-CGD-O2D
14	V	518	CLA	CBD-CGD-O2D-CED
14	V	519	CLA	C3A-C2A-CAA-CBA
14	W	501	CLA	CAD-CBD-CGD-O1D
14	W	501	CLA	CAD-CBD-CGD-O2D
14	W	502	CLA	CHA-CBD-CGD-O1D
14	W	502	CLA	CHA-CBD-CGD-O2D
14	W	504	CLA	CBD-CGD-O2D-CED
14	W	505	CLA	CAD-CBD-CGD-O1D
14	W	505	CLA	CAD-CBD-CGD-O2D
14	W	507	CLA	CAD-CBD-CGD-O1D
14	W	507	CLA	CAD-CBD-CGD-O2D
14	W	512	CLA	C1A-C2A-CAA-CBA
14	W	512	CLA	C3A-C2A-CAA-CBA
14	W	512	CLA	CBD-CGD-O2D-CED
14	W	516	CLA	CAD-CBD-CGD-O1D
14	W	516	CLA	CAD-CBD-CGD-O2D
14	W	517	CLA	CHA-CBD-CGD-O1D
14	W	517	CLA	CHA-CBD-CGD-O2D
14	W	518	CLA	CHA-CBD-CGD-O1D
14	W	518	CLA	CHA-CBD-CGD-O2D
14	W	518	CLA	C2-C3-C5-C6
14	W	518	CLA	C4-C3-C5-C6
14	X	501	CLA	CAD-CBD-CGD-O1D
14	X	501	CLA	CAD-CBD-CGD-O2D
14	X	501	CLA	CBD-CGD-O2D-CED
14	X	503	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	X	503	CLA	CHA-CBD-CGD-O2D
14	X	503	CLA	CBD-CGD-O2D-CED
14	X	516	CLA	C3A-C2A-CAA-CBA
14	X	516	CLA	CAD-CBD-CGD-O1D
14	X	516	CLA	CAD-CBD-CGD-O2D
14	X	517	CLA	CHA-CBD-CGD-O1D
14	X	517	CLA	CHA-CBD-CGD-O2D
14	X	519	CLA	C1A-C2A-CAA-CBA
14	X	519	CLA	C3A-C2A-CAA-CBA
14	X	519	CLA	C2B-C3B-CAB-CBB
14	X	519	CLA	C4B-C3B-CAB-CBB
14	Y	501	CLA	CAD-CBD-CGD-O1D
14	Y	501	CLA	CAD-CBD-CGD-O2D
14	Y	502	CLA	CHA-CBD-CGD-O1D
14	Y	502	CLA	CHA-CBD-CGD-O2D
14	Y	504	CLA	CHA-CBD-CGD-O1D
14	Y	504	CLA	CHA-CBD-CGD-O2D
14	Y	504	CLA	CBD-CGD-O2D-CED
14	Y	507	CLA	CAD-CBD-CGD-O1D
14	Y	507	CLA	CAD-CBD-CGD-O2D
14	Y	509	CLA	CHA-CBD-CGD-O2D
14	Y	510	CLA	CHA-CBD-CGD-O2D
14	Y	517	CLA	CHA-CBD-CGD-O1D
14	Y	517	CLA	CHA-CBD-CGD-O2D
14	Y	519	CLA	C2B-C3B-CAB-CBB
14	Y	519	CLA	C4B-C3B-CAB-CBB
14	Y	519	CLA	CAD-CBD-CGD-O1D
14	Y	519	CLA	CAD-CBD-CGD-O2D
14	Y	519	CLA	CBD-CGD-O2D-CED
14	Z	504	CLA	CBD-CGD-O2D-CED
14	Z	506	CLA	C1A-C2A-CAA-CBA
14	Z	506	CLA	C3A-C2A-CAA-CBA
14	Z	506	CLA	CAD-CBD-CGD-O1D
14	Z	506	CLA	CAD-CBD-CGD-O2D
14	Z	507	CLA	CAD-CBD-CGD-O1D
14	Z	507	CLA	CAD-CBD-CGD-O2D
14	Z	509	CLA	CBD-CGD-O2D-CED
14	Z	516	CLA	C1A-C2A-CAA-CBA
14	Z	516	CLA	C3A-C2A-CAA-CBA
14	Z	517	CLA	CHA-CBD-CGD-O1D
14	Z	517	CLA	CHA-CBD-CGD-O2D
14	Z	518	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	Z	518	CLA	CHA-CBD-CGD-O2D
14	Z	519	CLA	C2B-C3B-CAB-CBB
14	Z	519	CLA	C4B-C3B-CAB-CBB
14	a	502	CLA	CHA-CBD-CGD-O1D
14	a	502	CLA	CHA-CBD-CGD-O2D
14	a	503	CLA	CHA-CBD-CGD-O1D
14	a	503	CLA	CHA-CBD-CGD-O2D
14	a	504	CLA	CHA-CBD-CGD-O2D
14	a	504	CLA	CBD-CGD-O2D-CED
14	a	506	CLA	C1A-C2A-CAA-CBA
14	a	508	CLA	CBD-CGD-O2D-CED
14	a	516	CLA	CAD-CBD-CGD-O1D
14	a	516	CLA	CAD-CBD-CGD-O2D
14	a	517	CLA	CHA-CBD-CGD-O1D
14	a	517	CLA	CHA-CBD-CGD-O2D
14	a	519	CLA	CBD-CGD-O2D-CED
14	b	501	CLA	CAD-CBD-CGD-O1D
14	b	501	CLA	CAD-CBD-CGD-O2D
14	b	503	CLA	CHA-CBD-CGD-O1D
14	b	503	CLA	CHA-CBD-CGD-O2D
14	b	505	CLA	CAD-CBD-CGD-O1D
14	b	505	CLA	CAD-CBD-CGD-O2D
14	b	506	CLA	CAD-CBD-CGD-O1D
14	b	506	CLA	CAD-CBD-CGD-O2D
14	b	508	CLA	CBD-CGD-O2D-CED
14	b	511	CLA	CBD-CGD-O2D-CED
14	b	511	CLA	O1D-CGD-O2D-CED
14	b	512	CLA	C1A-C2A-CAA-CBA
14	b	512	CLA	C3A-C2A-CAA-CBA
14	b	516	CLA	CAD-CBD-CGD-O1D
14	b	516	CLA	CAD-CBD-CGD-O2D
14	b	518	CLA	CBD-CGD-O2D-CED
14	b	519	CLA	CAD-CBD-CGD-O1D
14	b	519	CLA	CAD-CBD-CGD-O2D
14	b	519	CLA	CBD-CGD-O2D-CED
14	c	501	CLA	CAD-CBD-CGD-O1D
14	c	501	CLA	CAD-CBD-CGD-O2D
14	c	501	CLA	CBD-CGD-O2D-CED
14	c	505	CLA	C6-C7-C8-C9
14	c	506	CLA	CHA-CBD-CGD-O1D
14	c	506	CLA	CHA-CBD-CGD-O2D
14	c	508	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	c	513	CLA	CAD-CBD-CGD-O1D
14	c	513	CLA	CAD-CBD-CGD-O2D
14	c	516	CLA	C1A-C2A-CAA-CBA
14	c	516	CLA	C3A-C2A-CAA-CBA
14	c	516	CLA	CAD-CBD-CGD-O1D
14	c	516	CLA	CAD-CBD-CGD-O2D
14	c	517	CLA	CHA-CBD-CGD-O1D
14	c	517	CLA	CHA-CBD-CGD-O2D
14	c	518	CLA	CBD-CGD-O2D-CED
14	c	519	CLA	CHA-CBD-CGD-O1D
14	c	519	CLA	CHA-CBD-CGD-O2D
14	d	501	CLA	CAD-CBD-CGD-O1D
14	d	501	CLA	CAD-CBD-CGD-O2D
14	d	501	CLA	CBD-CGD-O2D-CED
14	d	507	CLA	CAD-CBD-CGD-O2D
14	d	508	CLA	CBD-CGD-O2D-CED
14	d	513	CLA	CAD-CBD-CGD-O1D
14	d	513	CLA	CAD-CBD-CGD-O2D
14	d	517	CLA	C3A-C2A-CAA-CBA
14	d	517	CLA	CAD-CBD-CGD-O1D
14	d	517	CLA	CAD-CBD-CGD-O2D
14	d	517	CLA	CBD-CGD-O2D-CED
14	d	519	CLA	CHA-CBD-CGD-O1D
14	d	519	CLA	CHA-CBD-CGD-O2D
14	e	501	CLA	CAD-CBD-CGD-O1D
14	e	501	CLA	CAD-CBD-CGD-O2D
14	e	501	CLA	CBD-CGD-O2D-CED
14	e	502	CLA	CHA-CBD-CGD-O1D
14	e	502	CLA	CHA-CBD-CGD-O2D
14	e	504	CLA	CHA-CBD-CGD-O1D
14	e	504	CLA	CHA-CBD-CGD-O2D
14	e	504	CLA	CBD-CGD-O2D-CED
14	e	507	CLA	CAD-CBD-CGD-O1D
14	e	507	CLA	CAD-CBD-CGD-O2D
14	e	509	CLA	CHA-CBD-CGD-O1D
14	e	509	CLA	CHA-CBD-CGD-O2D
14	e	512	CLA	CAD-CBD-CGD-O1D
14	e	512	CLA	CAD-CBD-CGD-O2D
14	e	516	CLA	CAD-CBD-CGD-O1D
14	e	516	CLA	CAD-CBD-CGD-O2D
14	e	517	CLA	C3A-C2A-CAA-CBA
14	e	517	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	e	517	CLA	CHA-CBD-CGD-O2D
14	e	518	CLA	CHA-CBD-CGD-O1D
14	e	518	CLA	CHA-CBD-CGD-O2D
14	e	518	CLA	CBD-CGD-O2D-CED
14	e	519	CLA	CBD-CGD-O2D-CED
14	f	502	CLA	CBD-CGD-O2D-CED
14	f	503	CLA	CHA-CBD-CGD-O1D
14	f	503	CLA	CHA-CBD-CGD-O2D
14	f	504	CLA	CBD-CGD-O2D-CED
14	f	505	CLA	C1A-C2A-CAA-CBA
14	f	506	CLA	CHA-CBD-CGD-O1D
14	f	506	CLA	CHA-CBD-CGD-O2D
14	f	507	CLA	CAD-CBD-CGD-O1D
14	f	507	CLA	CAD-CBD-CGD-O2D
14	f	510	CLA	CHA-CBD-CGD-O1D
14	f	510	CLA	CHA-CBD-CGD-O2D
14	f	511	CLA	CBD-CGD-O2D-CED
14	f	512	CLA	CAD-CBD-CGD-O1D
14	f	512	CLA	CAD-CBD-CGD-O2D
14	f	513	CLA	CAD-CBD-CGD-O1D
14	f	513	CLA	CAD-CBD-CGD-O2D
14	f	516	CLA	CAD-CBD-CGD-O1D
14	f	516	CLA	CAD-CBD-CGD-O2D
14	f	517	CLA	CBD-CGD-O2D-CED
14	f	518	CLA	CHA-CBD-CGD-O1D
14	f	518	CLA	CHA-CBD-CGD-O2D
14	g	501	CLA	CAD-CBD-CGD-O1D
14	g	501	CLA	CAD-CBD-CGD-O2D
14	g	501	CLA	CBD-CGD-O2D-CED
14	g	504	CLA	CBD-CGD-O2D-CED
14	g	507	CLA	CHA-CBD-CGD-O2D
14	g	510	CLA	CHA-CBD-CGD-O1D
14	g	510	CLA	CHA-CBD-CGD-O2D
14	g	510	CLA	CBD-CGD-O2D-CED
14	g	511	CLA	CBD-CGD-O2D-CED
14	g	516	CLA	C1A-C2A-CAA-CBA
14	g	516	CLA	C3A-C2A-CAA-CBA
14	g	517	CLA	C3A-C2A-CAA-CBA
14	g	517	CLA	CAD-CBD-CGD-O1D
14	g	517	CLA	CAD-CBD-CGD-O2D
14	g	517	CLA	CBD-CGD-O2D-CED
14	g	519	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	g	519	CLA	CHA-CBD-CGD-O2D
14	h	501	CLA	CAD-CBD-CGD-O1D
14	h	501	CLA	CAD-CBD-CGD-O2D
14	h	502	CLA	CAD-CBD-CGD-O2D
14	h	502	CLA	CBD-CGD-O2D-CED
14	h	506	CLA	CBD-CGD-O2D-CED
14	h	507	CLA	CAD-CBD-CGD-O2D
14	h	511	CLA	CBD-CGD-O2D-CED
14	h	512	CLA	C1A-C2A-CAA-CBA
14	h	512	CLA	C3A-C2A-CAA-CBA
14	h	513	CLA	CAD-CBD-CGD-O1D
14	h	513	CLA	CAD-CBD-CGD-O2D
14	h	513	CLA	CBD-CGD-O2D-CED
14	h	516	CLA	CAD-CBD-CGD-O1D
14	h	516	CLA	CAD-CBD-CGD-O2D
14	h	517	CLA	C1A-C2A-CAA-CBA
14	h	517	CLA	C3A-C2A-CAA-CBA
14	h	517	CLA	CAD-CBD-CGD-O1D
14	h	517	CLA	CAD-CBD-CGD-O2D
14	h	518	CLA	CHA-CBD-CGD-O2D
14	h	518	CLA	CBD-CGD-O2D-CED
14	i	501	CLA	CBD-CGD-O2D-CED
14	i	503	CLA	CBD-CGD-O2D-CED
14	i	506	CLA	CHA-CBD-CGD-O1D
14	i	506	CLA	CHA-CBD-CGD-O2D
14	i	506	CLA	CBD-CGD-O2D-CED
14	i	507	CLA	CHA-CBD-CGD-O1D
14	i	507	CLA	CHA-CBD-CGD-O2D
14	i	510	CLA	CBD-CGD-O2D-CED
14	i	516	CLA	CAD-CBD-CGD-O1D
14	i	516	CLA	CAD-CBD-CGD-O2D
14	i	516	CLA	CBD-CGD-O2D-CED
14	i	517	CLA	C1A-C2A-CAA-CBA
14	i	517	CLA	C3A-C2A-CAA-CBA
14	i	517	CLA	CAD-CBD-CGD-O1D
14	i	517	CLA	CAD-CBD-CGD-O2D
14	i	518	CLA	CHA-CBD-CGD-O1D
14	i	518	CLA	CHA-CBD-CGD-O2D
14	i	519	CLA	CHA-CBD-CGD-O1D
14	i	519	CLA	CHA-CBD-CGD-O2D
14	j	501	CLA	CAD-CBD-CGD-O1D
14	j	501	CLA	CAD-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	j	501	CLA	CBD-CGD-O2D-CED
14	j	502	CLA	CBD-CGD-O2D-CED
14	j	505	CLA	CAD-CBD-CGD-O1D
14	j	505	CLA	CAD-CBD-CGD-O2D
14	j	507	CLA	CAD-CBD-CGD-O1D
14	j	507	CLA	CAD-CBD-CGD-O2D
14	j	510	CLA	CHA-CBD-CGD-O2D
14	j	510	CLA	CBD-CGD-O2D-CED
14	j	511	CLA	CBD-CGD-O2D-CED
14	j	516	CLA	CAD-CBD-CGD-O1D
14	j	516	CLA	CAD-CBD-CGD-O2D
14	k	501	CLA	CBD-CGD-O2D-CED
14	k	502	CLA	CAD-CBD-CGD-O1D
14	k	502	CLA	CAD-CBD-CGD-O2D
14	k	504	CLA	CAD-CBD-CGD-O1D
14	k	504	CLA	CAD-CBD-CGD-O2D
14	k	505	CLA	CAD-CBD-CGD-O1D
14	k	505	CLA	CAD-CBD-CGD-O2D
14	k	506	CLA	CHA-CBD-CGD-O1D
14	k	506	CLA	CHA-CBD-CGD-O2D
14	k	507	CLA	CAD-CBD-CGD-O1D
14	k	507	CLA	CAD-CBD-CGD-O2D
14	k	508	CLA	CBD-CGD-O2D-CED
14	k	510	CLA	CHA-CBD-CGD-O1D
14	k	510	CLA	CHA-CBD-CGD-O2D
14	k	511	CLA	CBD-CGD-O2D-CED
14	k	512	CLA	C1A-C2A-CAA-CBA
14	k	512	CLA	C3A-C2A-CAA-CBA
14	k	512	CLA	CAD-CBD-CGD-O1D
14	k	512	CLA	CAD-CBD-CGD-O2D
14	k	512	CLA	CBD-CGD-O2D-CED
14	k	517	CLA	CAD-CBD-CGD-O2D
14	k	518	CLA	CBD-CGD-O2D-CED
14	l	501	CLA	CAD-CBD-CGD-O1D
14	l	501	CLA	CAD-CBD-CGD-O2D
14	l	501	CLA	CBD-CGD-O2D-CED
14	l	502	CLA	C4B-C3B-CAB-CBB
14	l	502	CLA	CAD-CBD-CGD-O1D
14	l	502	CLA	CAD-CBD-CGD-O2D
14	l	508	CLA	CBD-CGD-O2D-CED
14	l	511	CLA	CBD-CGD-O2D-CED
14	l	511	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	l	516	CLA	CAD-CBD-CGD-O1D
14	l	516	CLA	CAD-CBD-CGD-O2D
14	l	517	CLA	CHA-CBD-CGD-O1D
14	l	517	CLA	CHA-CBD-CGD-O2D
14	l	518	CLA	CBD-CGD-O2D-CED
14	m	505	CLA	CAD-CBD-CGD-O1D
14	m	505	CLA	CAD-CBD-CGD-O2D
14	m	506	CLA	CHA-CBD-CGD-O1D
14	m	506	CLA	CHA-CBD-CGD-O2D
14	m	509	CLA	CBD-CGD-O2D-CED
14	m	513	CLA	CHA-CBD-CGD-O2D
14	m	516	CLA	C1A-C2A-CAA-CBA
14	m	516	CLA	C3A-C2A-CAA-CBA
14	m	517	CLA	C1A-C2A-CAA-CBA
14	m	517	CLA	C3A-C2A-CAA-CBA
14	m	517	CLA	CAD-CBD-CGD-O1D
14	m	517	CLA	CAD-CBD-CGD-O2D
14	m	518	CLA	CHA-CBD-CGD-O1D
14	m	518	CLA	CHA-CBD-CGD-O2D
14	n	501	CLA	CAD-CBD-CGD-O1D
14	n	501	CLA	CAD-CBD-CGD-O2D
14	n	501	CLA	CBD-CGD-O2D-CED
14	n	503	CLA	CBD-CGD-O2D-CED
14	n	506	CLA	C1A-C2A-CAA-CBA
14	n	506	CLA	CBD-CGD-O2D-CED
14	n	507	CLA	CAD-CBD-CGD-O1D
14	n	507	CLA	CAD-CBD-CGD-O2D
14	n	511	CLA	CBD-CGD-O2D-CED
14	n	513	CLA	CAD-CBD-CGD-O2D
14	n	516	CLA	C1A-C2A-CAA-CBA
14	n	516	CLA	CAD-CBD-CGD-O1D
14	n	516	CLA	CAD-CBD-CGD-O2D
14	n	517	CLA	CBD-CGD-O2D-CED
14	n	518	CLA	CBD-CGD-O2D-CED
14	n	519	CLA	C1A-C2A-CAA-CBA
14	n	519	CLA	C3A-C2A-CAA-CBA
14	o	501	CLA	CAD-CBD-CGD-O1D
14	o	501	CLA	CAD-CBD-CGD-O2D
14	o	501	CLA	CBD-CGD-O2D-CED
14	o	503	CLA	CBD-CGD-O2D-CED
14	o	506	CLA	CHA-CBD-CGD-O1D
14	o	506	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	o	511	CLA	CBD-CGD-O2D-CED
14	o	513	CLA	CHA-CBD-CGD-O1D
14	o	513	CLA	CHA-CBD-CGD-O2D
14	o	516	CLA	C2B-C3B-CAB-CBB
14	o	516	CLA	C4B-C3B-CAB-CBB
14	o	516	CLA	CAD-CBD-CGD-O1D
14	o	516	CLA	CAD-CBD-CGD-O2D
14	o	517	CLA	CAD-CBD-CGD-O1D
14	o	517	CLA	CAD-CBD-CGD-O2D
14	o	518	CLA	CHA-CBD-CGD-O1D
14	o	518	CLA	CHA-CBD-CGD-O2D
14	p	501	CLA	CAD-CBD-CGD-O1D
14	p	501	CLA	CAD-CBD-CGD-O2D
14	p	501	CLA	CBD-CGD-O2D-CED
14	p	503	CLA	CHA-CBD-CGD-O1D
14	p	503	CLA	CHA-CBD-CGD-O2D
14	p	504	CLA	CHA-CBD-CGD-O1D
14	p	504	CLA	CHA-CBD-CGD-O2D
14	p	504	CLA	CBD-CGD-O2D-CED
14	p	509	CLA	CAD-CBD-CGD-O2D
14	p	509	CLA	CBD-CGD-O2D-CED
14	p	510	CLA	CHA-CBD-CGD-O2D
14	p	513	CLA	CHA-CBD-CGD-O1D
14	p	513	CLA	CHA-CBD-CGD-O2D
14	p	517	CLA	CAD-CBD-CGD-O1D
14	p	517	CLA	CAD-CBD-CGD-O2D
14	p	518	CLA	CHA-CBD-CGD-O1D
14	p	518	CLA	CHA-CBD-CGD-O2D
14	p	518	CLA	CBD-CGD-O2D-CED
14	p	519	CLA	C1A-C2A-CAA-CBA
14	p	519	CLA	CHA-CBD-CGD-O1D
14	p	519	CLA	CHA-CBD-CGD-O2D
14	q	501	CLA	CAD-CBD-CGD-O1D
14	q	501	CLA	CAD-CBD-CGD-O2D
14	q	502	CLA	CAD-CBD-CGD-O1D
14	q	502	CLA	CAD-CBD-CGD-O2D
14	q	503	CLA	C4-C3-C5-C6
14	q	505	CLA	O1A-CGA-O2A-C1
14	q	506	CLA	CHA-CBD-CGD-O1D
14	q	506	CLA	CHA-CBD-CGD-O2D
14	q	516	CLA	C4B-C3B-CAB-CBB
14	q	517	CLA	CAD-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	q	517	CLA	CAD-CBD-CGD-O2D
14	q	517	CLA	CBD-CGD-O2D-CED
14	q	519	CLA	C1A-C2A-CAA-CBA
14	q	519	CLA	C3A-C2A-CAA-CBA
14	q	519	CLA	CHA-CBD-CGD-O1D
14	q	519	CLA	CHA-CBD-CGD-O2D
15	aA	2001	PQN	C11-C12-C13-C14
15	aB	2002	PQN	C11-C12-C13-C14
15	bA	2001	PQN	C11-C12-C13-C14
15	bB	2002	PQN	C11-C12-C13-C14
15	cA	2001	PQN	C11-C12-C13-C14
17	aA	4002	BCR	C21-C22-C23-C24
17	aA	4003	BCR	C7-C8-C9-C34
17	aA	4007	BCR	C21-C22-C23-C24
17	aA	4007	BCR	C37-C22-C23-C24
17	aA	4008	BCR	C21-C22-C23-C24
17	aA	4008	BCR	C37-C22-C23-C24
17	aB	4004	BCR	C7-C8-C9-C10
17	aB	4004	BCR	C21-C22-C23-C24
17	aB	4004	BCR	C37-C22-C23-C24
17	aB	4005	BCR	C37-C22-C23-C24
17	aB	4009	BCR	C21-C22-C23-C24
17	aB	4009	BCR	C37-C22-C23-C24
17	aB	4017	BCR	C21-C22-C23-C24
17	aB	4017	BCR	C37-C22-C23-C24
17	aF	4014	BCR	C21-C22-C23-C24
17	aF	4014	BCR	C37-C22-C23-C24
17	aI	4018	BCR	C7-C8-C9-C10
17	aI	4018	BCR	C7-C8-C9-C34
17	aI	4018	BCR	C21-C22-C23-C24
17	aJ	4013	BCR	C21-C22-C23-C24
17	aJ	4013	BCR	C37-C22-C23-C24
17	aK	4001	BCR	C11-C12-C13-C14
17	aL	4022	BCR	C7-C8-C9-C10
17	aL	4022	BCR	C7-C8-C9-C34
17	aM	4021	BCR	C7-C8-C9-C10
17	aM	4021	BCR	C37-C22-C23-C24
17	a1	522	BCR	C7-C8-C9-C10
17	a2	521	BCR	C7-C8-C9-C10
17	a2	521	BCR	C7-C8-C9-C34
17	a3	521	BCR	C7-C8-C9-C10
17	a4	521	BCR	C7-C8-C9-C10

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Mol	Chain	Res	Type	Atoms
17	a4	521	BCR	C7-C8-C9-C34
17	a5	521	BCR	C7-C8-C9-C10
17	a5	521	BCR	C7-C8-C9-C34
17	a5	522	BCR	C7-C8-C9-C10
17	a5	522	BCR	C7-C8-C9-C34
17	a6	522	BCR	C7-C8-C9-C10
17	a6	522	BCR	C7-C8-C9-C34
17	bA	4002	BCR	C21-C22-C23-C24
17	bA	4007	BCR	C21-C22-C23-C24
17	bA	4007	BCR	C37-C22-C23-C24
17	bA	4008	BCR	C37-C22-C23-C24
17	bA	4011	BCR	C21-C22-C23-C24
17	bA	4011	BCR	C37-C22-C23-C24
17	bB	4004	BCR	C7-C8-C9-C10
17	bB	4004	BCR	C21-C22-C23-C24
17	bB	4005	BCR	C37-C22-C23-C24
17	bB	4009	BCR	C21-C22-C23-C24
17	bB	4017	BCR	C21-C22-C23-C24
17	bB	4017	BCR	C37-C22-C23-C24
17	bF	4014	BCR	C21-C22-C23-C24
17	bF	4014	BCR	C37-C22-C23-C24
17	bI	4018	BCR	C7-C8-C9-C10
17	bI	4018	BCR	C7-C8-C9-C34
17	bI	4018	BCR	C21-C22-C23-C24
17	bI	4018	BCR	C37-C22-C23-C24
17	bI	4018	BCR	C23-C24-C25-C26
17	bI	4019	BCR	C37-C22-C23-C24
17	bJ	4013	BCR	C21-C22-C23-C24
17	bJ	4013	BCR	C37-C22-C23-C24
17	bK	4001	BCR	C11-C12-C13-C14
17	bK	4001	BCR	C11-C12-C13-C35
17	bL	4022	BCR	C7-C8-C9-C10
17	bL	4022	BCR	C7-C8-C9-C34
17	bM	4021	BCR	C21-C22-C23-C24
17	bM	4021	BCR	C37-C22-C23-C24
17	b1	522	BCR	C7-C8-C9-C10
17	b1	522	BCR	C7-C8-C9-C34
17	b2	521	BCR	C7-C8-C9-C10
17	b2	522	BCR	C7-C8-C9-C10
17	b2	522	BCR	C7-C8-C9-C34
17	b3	521	BCR	C7-C8-C9-C10
17	b3	521	BCR	C7-C8-C9-C34

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Mol	Chain	Res	Type	Atoms
17	b4	522	BCR	C7-C8-C9-C10
17	b5	521	BCR	C7-C8-C9-C10
17	b5	522	BCR	C5-C6-C7-C8
17	b6	522	BCR	C5-C6-C7-C8
17	b6	522	BCR	C7-C8-C9-C10
17	b6	522	BCR	C7-C8-C9-C34
17	cA	4002	BCR	C21-C22-C23-C24
17	cA	4003	BCR	C7-C8-C9-C10
17	cA	4003	BCR	C7-C8-C9-C34
17	cA	4007	BCR	C21-C22-C23-C24
17	cA	4007	BCR	C37-C22-C23-C24
17	cA	4011	BCR	C21-C22-C23-C24
17	cA	4011	BCR	C37-C22-C23-C24
17	cB	4004	BCR	C7-C8-C9-C10
17	cB	4004	BCR	C21-C22-C23-C24
17	cB	4009	BCR	C21-C22-C23-C24
17	cB	4009	BCR	C37-C22-C23-C24
17	cB	4017	BCR	C21-C22-C23-C24
17	cB	4017	BCR	C37-C22-C23-C24
17	cF	4014	BCR	C21-C22-C23-C24
17	cI	4018	BCR	C7-C8-C9-C10
17	cI	4018	BCR	C7-C8-C9-C34
17	cI	4018	BCR	C21-C22-C23-C24
17	cI	4018	BCR	C23-C24-C25-C26
17	cI	4019	BCR	C37-C22-C23-C24
17	cJ	4013	BCR	C21-C22-C23-C24
17	cJ	4013	BCR	C37-C22-C23-C24
17	cK	4001	BCR	C11-C12-C13-C14
17	cL	4022	BCR	C7-C8-C9-C10
17	cL	4022	BCR	C7-C8-C9-C34
17	cM	4021	BCR	C21-C22-C23-C24
17	cM	4021	BCR	C37-C22-C23-C24
17	c1	522	BCR	C7-C8-C9-C10
17	c1	522	BCR	C7-C8-C9-C34
17	c2	521	BCR	C7-C8-C9-C34
17	c2	522	BCR	C7-C8-C9-C10
17	c2	522	BCR	C7-C8-C9-C34
17	c3	522	BCR	C7-C8-C9-C10
17	c4	523	BCR	C7-C8-C9-C34
17	c6	522	BCR	C7-C8-C9-C10
17	c6	522	BCR	C7-C8-C9-C34
17	c6	523	BCR	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
17	T	521	BCR	C7-C8-C9-C10
17	T	521	BCR	C7-C8-C9-C34
17	U	521	BCR	C7-C8-C9-C10
17	V	521	BCR	C7-C8-C9-C10
17	V	521	BCR	C7-C8-C9-C34
17	V	522	BCR	C5-C6-C7-C8
17	V	522	BCR	C7-C8-C9-C10
17	V	524	BCR	C7-C8-C9-C10
17	V	524	BCR	C7-C8-C9-C34
17	W	522	BCR	C7-C8-C9-C10
17	W	523	BCR	C7-C8-C9-C10
17	W	523	BCR	C7-C8-C9-C34
17	X	521	BCR	C7-C8-C9-C10
17	X	522	BCR	C7-C8-C9-C10
17	Y	521	BCR	C7-C8-C9-C10
17	Y	521	BCR	C7-C8-C9-C34
17	Y	522	BCR	C5-C6-C7-C8
17	Y	522	BCR	C7-C8-C9-C10
17	Y	522	BCR	C7-C8-C9-C34
17	Z	521	BCR	C7-C8-C9-C10
17	Z	522	BCR	C7-C8-C9-C10
17	a	522	BCR	C7-C8-C9-C10
17	b	521	BCR	C7-C8-C9-C10
17	c	521	BCR	C7-C8-C9-C10
17	c	521	BCR	C7-C8-C9-C34
17	c	522	BCR	C7-C8-C9-C10
17	d	522	BCR	C7-C8-C9-C10
17	e	521	BCR	C7-C8-C9-C10
17	e	522	BCR	C7-C8-C9-C10
17	f	522	BCR	C7-C8-C9-C10
17	g	522	BCR	C7-C8-C9-C10
17	h	522	BCR	C7-C8-C9-C10
17	l	521	BCR	C7-C8-C9-C10
17	n	523	BCR	C21-C22-C23-C24
17	n	521	BCR	C7-C8-C9-C10
17	n	521	BCR	C7-C8-C9-C34
17	q	523	BCR	C7-C8-C9-C10
17	q	521	BCR	C7-C8-C9-C10
18	aA	5001	LHG	C3-O3-P-O4
18	aA	5001	LHG	C3-O3-P-O6
18	aA	5001	LHG	O7-C5-C6-O8
18	aA	5002	LHG	C3-O3-P-O6

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Mol	Chain	Res	Type	Atoms
18	aA	5002	LHG	C8-C7-O7-C5
18	aA	5003	LHG	C1-C2-C3-O3
18	aA	5003	LHG	C3-O3-P-O5
18	aA	5004	LHG	C3-O3-P-O4
18	aA	5004	LHG	C8-C7-O7-C5
18	aA	5005	LHG	C1-C2-C3-O3
18	aA	5005	LHG	O2-C2-C3-O3
18	aA	5005	LHG	C3-O3-P-O4
18	aA	5005	LHG	C3-O3-P-O5
18	aA	5005	LHG	C3-O3-P-O6
18	aA	5005	LHG	C4-O6-P-O5
18	aX	4021	LHG	C3-O3-P-O4
18	aX	4021	LHG	C3-O3-P-O5
18	aX	4021	LHG	C3-O3-P-O6
18	bA	5001	LHG	C3-O3-P-O4
18	bA	5001	LHG	C3-O3-P-O6
18	bA	5001	LHG	O7-C5-C6-O8
18	bA	5002	LHG	C3-O3-P-O6
18	bA	5002	LHG	O9-C7-O7-C5
18	bA	5002	LHG	C8-C7-O7-C5
18	bA	5003	LHG	C1-C2-C3-O3
18	bA	5003	LHG	C3-O3-P-O5
18	bA	5004	LHG	C3-O3-P-O4
18	bA	5004	LHG	O9-C7-O7-C5
18	bA	5004	LHG	C8-C7-O7-C5
18	bA	5005	LHG	O2-C2-C3-O3
18	bA	5005	LHG	C3-O3-P-O4
18	bA	5005	LHG	C3-O3-P-O6
18	bA	5005	LHG	C4-O6-P-O5
18	bX	4021	LHG	C3-O3-P-O4
18	bX	4021	LHG	C3-O3-P-O5
18	bX	4021	LHG	C3-O3-P-O6
18	cA	5001	LHG	C3-O3-P-O4
18	cA	5001	LHG	O7-C5-C6-O8
18	cA	5002	LHG	C3-O3-P-O6
18	cA	5002	LHG	O9-C7-O7-C5
18	cA	5002	LHG	C8-C7-O7-C5
18	cA	5003	LHG	C1-C2-C3-O3
18	cA	5004	LHG	C3-O3-P-O4
18	cA	5004	LHG	C8-C7-O7-C5
18	cA	5005	LHG	C1-C2-C3-O3
18	cA	5005	LHG	O2-C2-C3-O3

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Mol	Chain	Res	Type	Atoms
18	cA	5005	LHG	C3-O3-P-O4
18	cA	5005	LHG	C3-O3-P-O5
18	cA	5005	LHG	C3-O3-P-O6
18	cX	4021	LHG	C3-O3-P-O4
18	cX	4021	LHG	C3-O3-P-O5
18	cX	4021	LHG	C3-O3-P-O6
19	aA	1849	LMU	C2-C1-O1'-C1'
19	aB	1843	LMU	C2'-C1'-O1'-C1
19	aB	1843	LMU	O5'-C1'-O1'-C1
19	bB	1843	LMU	C2'-C1'-O1'-C1
19	bB	1843	LMU	O5'-C1'-O1'-C1
19	cB	1843	LMU	C2'-C1'-O1'-C1
19	cB	1843	LMU	O5'-C1'-O1'-C1
20	a3	822	SQD	C5-C6-S-O7
20	a3	822	SQD	C5-C6-S-O8
20	a3	822	SQD	C5-C6-S-O9
20	a4	822	SQD	C5-C6-S-O7
20	a4	822	SQD	C5-C6-S-O8
20	a4	822	SQD	C5-C6-S-O9
20	a5	822	SQD	C5-C6-S-O7
20	a5	822	SQD	C5-C6-S-O8
20	a5	822	SQD	C5-C6-S-O9
20	a6	822	SQD	C5-C6-S-O9
20	b3	822	SQD	C5-C6-S-O7
20	b3	822	SQD	C5-C6-S-O8
20	b3	822	SQD	C5-C6-S-O9
20	b4	822	SQD	C8-C7-O47-C45
20	b4	822	SQD	C5-C6-S-O7
20	b4	822	SQD	C5-C6-S-O8
20	b4	822	SQD	C5-C6-S-O9
20	b6	822	SQD	O5-C1-O6-C44
20	c2	822	SQD	O49-C7-O47-C45
20	c3	822	SQD	O5-C5-C6-S
20	c4	822	SQD	O5-C1-O6-C44
20	c4	822	SQD	C5-C6-S-O7
20	c4	822	SQD	C5-C6-S-O8
20	c4	822	SQD	C5-C6-S-O9
20	c5	822	SQD	C8-C7-O47-C45
20	c5	822	SQD	C5-C6-S-O9
20	c6	822	SQD	O5-C1-O6-C44
20	T	822	SQD	O6-C44-C45-O47
20	Z	822	SQD	C8-C7-O47-C45

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Mol	Chain	Res	Type	Atoms
20	d	822	SQD	C5-C6-S-O7
20	d	822	SQD	C5-C6-S-O8
20	e	822	SQD	O5-C1-O6-C44
20	e	822	SQD	C5-C6-S-O7
20	e	822	SQD	C5-C6-S-O8
20	e	822	SQD	C5-C6-S-O9
20	f	822	SQD	C5-C6-S-O7
20	f	822	SQD	C5-C6-S-O8
20	f	822	SQD	C5-C6-S-O9
20	g	822	SQD	O5-C5-C6-S
20	h	822	SQD	O5-C1-O6-C44
20	h	822	SQD	C5-C6-S-O9
20	i	822	SQD	O5-C5-C6-S
20	m	822	SQD	O5-C1-O6-C44
20	n	822	SQD	C5-C6-S-O7
20	n	822	SQD	C5-C6-S-O8
20	p	822	SQD	O5-C1-O6-C44
20	p	822	SQD	C5-C6-S-O7
20	p	822	SQD	C5-C6-S-O8
20	p	822	SQD	C5-C6-S-O9
14	aA	1109	CLA	O1D-CGD-O2D-CED
14	aA	1011	CLA	O1D-CGD-O2D-CED
14	aB	1021	CLA	O1D-CGD-O2D-CED
14	a1	510	CLA	O1D-CGD-O2D-CED
14	a4	503	CLA	O1D-CGD-O2D-CED
14	a5	511	CLA	O1D-CGD-O2D-CED
14	a6	504	CLA	O1D-CGD-O2D-CED
14	a6	508	CLA	O1D-CGD-O2D-CED
14	bA	1011	CLA	O1D-CGD-O2D-CED
14	bB	1021	CLA	O1D-CGD-O2D-CED
14	b1	511	CLA	O1D-CGD-O2D-CED
14	b5	510	CLA	O1D-CGD-O2D-CED
14	b5	513	CLA	O1D-CGD-O2D-CED
14	b6	506	CLA	O1D-CGD-O2D-CED
14	cA	1126	CLA	O1D-CGD-O2D-CED
14	cB	1206	CLA	O1D-CGD-O2D-CED
14	c2	502	CLA	O1D-CGD-O2D-CED
14	c2	503	CLA	O1D-CGD-O2D-CED
14	c2	506	CLA	O1D-CGD-O2D-CED
14	c4	503	CLA	O1D-CGD-O2D-CED
14	c4	511	CLA	O1D-CGD-O2D-CED
14	c5	503	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	c5	504	CLA	O1D-CGD-O2D-CED
14	c5	511	CLA	O1D-CGD-O2D-CED
14	c6	508	CLA	O1D-CGD-O2D-CED
14	c6	510	CLA	O1D-CGD-O2D-CED
14	S	506	CLA	O1D-CGD-O2D-CED
14	S	511	CLA	O1D-CGD-O2D-CED
14	T	511	CLA	O1D-CGD-O2D-CED
14	T	518	CLA	O1D-CGD-O2D-CED
14	V	510	CLA	O1D-CGD-O2D-CED
14	V	511	CLA	O1D-CGD-O2D-CED
14	V	518	CLA	O1D-CGD-O2D-CED
14	X	503	CLA	O1D-CGD-O2D-CED
14	X	506	CLA	O1D-CGD-O2D-CED
14	Z	510	CLA	O1D-CGD-O2D-CED
14	c	503	CLA	O1D-CGD-O2D-CED
14	e	503	CLA	O1D-CGD-O2D-CED
14	e	510	CLA	O1D-CGD-O2D-CED
14	f	504	CLA	O1D-CGD-O2D-CED
14	f	510	CLA	O1D-CGD-O2D-CED
14	f	511	CLA	O1D-CGD-O2D-CED
14	f	518	CLA	O1D-CGD-O2D-CED
14	g	510	CLA	O1D-CGD-O2D-CED
14	g	511	CLA	O1D-CGD-O2D-CED
14	g	518	CLA	O1D-CGD-O2D-CED
14	h	502	CLA	O1D-CGD-O2D-CED
14	h	518	CLA	O1D-CGD-O2D-CED
14	j	510	CLA	O1D-CGD-O2D-CED
14	j	511	CLA	O1D-CGD-O2D-CED
14	j	518	CLA	O1D-CGD-O2D-CED
14	k	506	CLA	O1D-CGD-O2D-CED
14	k	510	CLA	O1D-CGD-O2D-CED
14	l	518	CLA	O1D-CGD-O2D-CED
14	m	506	CLA	O1D-CGD-O2D-CED
14	m	508	CLA	O1D-CGD-O2D-CED
14	n	503	CLA	O1D-CGD-O2D-CED
14	n	518	CLA	O1D-CGD-O2D-CED
14	o	506	CLA	O1D-CGD-O2D-CED
14	o	510	CLA	O1D-CGD-O2D-CED
14	p	510	CLA	O1D-CGD-O2D-CED
14	q	503	CLA	O1D-CGD-O2D-CED
14	q	506	CLA	O1D-CGD-O2D-CED
20	q	822	SQD	O49-C7-O47-C45

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Mol	Chain	Res	Type	Atoms
20	q	822	SQD	C8-C7-O47-C45
14	f	516	CLA	C2C-C3C-CAC-CBC
14	g	516	CLA	C2C-C3C-CAC-CBC
14	aB	1206	CLA	O1D-CGD-O2D-CED
14	a6	501	CLA	O1D-CGD-O2D-CED
14	a6	506	CLA	O1D-CGD-O2D-CED
14	a6	511	CLA	O1D-CGD-O2D-CED
14	bB	1206	CLA	O1D-CGD-O2D-CED
14	b4	503	CLA	O1D-CGD-O2D-CED
14	b4	511	CLA	O1D-CGD-O2D-CED
14	cB	1021	CLA	O1D-CGD-O2D-CED
14	c1	510	CLA	O1D-CGD-O2D-CED
14	c4	510	CLA	O1D-CGD-O2D-CED
14	c4	517	CLA	O1D-CGD-O2D-CED
14	c5	508	CLA	O1D-CGD-O2D-CED
14	c6	501	CLA	O1D-CGD-O2D-CED
14	c6	511	CLA	O1D-CGD-O2D-CED
14	c6	518	CLA	O1D-CGD-O2D-CED
14	S	510	CLA	O1D-CGD-O2D-CED
14	T	510	CLA	O1D-CGD-O2D-CED
14	U	511	CLA	O1D-CGD-O2D-CED
14	V	513	CLA	O1D-CGD-O2D-CED
14	W	503	CLA	O1D-CGD-O2D-CED
14	W	508	CLA	O1D-CGD-O2D-CED
14	Y	504	CLA	O1D-CGD-O2D-CED
14	Y	506	CLA	O1D-CGD-O2D-CED
14	Z	506	CLA	O1D-CGD-O2D-CED
14	a	502	CLA	O1D-CGD-O2D-CED
14	b	506	CLA	O1D-CGD-O2D-CED
14	c	506	CLA	O1D-CGD-O2D-CED
14	d	510	CLA	O1D-CGD-O2D-CED
14	d	518	CLA	O1D-CGD-O2D-CED
14	e	504	CLA	O1D-CGD-O2D-CED
14	h	503	CLA	O1D-CGD-O2D-CED
14	h	517	CLA	O1D-CGD-O2D-CED
14	i	501	CLA	O1D-CGD-O2D-CED
14	i	506	CLA	O1D-CGD-O2D-CED
14	i	517	CLA	O1D-CGD-O2D-CED
14	k	511	CLA	O1D-CGD-O2D-CED
14	k	518	CLA	O1D-CGD-O2D-CED
14	l	503	CLA	O1D-CGD-O2D-CED
14	m	504	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	m	503	CLA	O1D-CGD-O2D-CED
14	m	510	CLA	O1D-CGD-O2D-CED
14	n	502	CLA	O1D-CGD-O2D-CED
14	n	511	CLA	O1D-CGD-O2D-CED
14	o	503	CLA	O1D-CGD-O2D-CED
14	o	511	CLA	O1D-CGD-O2D-CED
14	p	504	CLA	O1D-CGD-O2D-CED
14	aA	1114	CLA	CBD-CGD-O2D-CED
14	aA	1131	CLA	CBD-CGD-O2D-CED
14	aA	1138	CLA	CBD-CGD-O2D-CED
14	aB	1203	CLA	CBD-CGD-O2D-CED
14	aB	1209	CLA	CBD-CGD-O2D-CED
14	aB	1211	CLA	CBD-CGD-O2D-CED
14	aB	1216	CLA	CBD-CGD-O2D-CED
14	aB	1219	CLA	CBD-CGD-O2D-CED
14	aB	1221	CLA	CBD-CGD-O2D-CED
14	aB	1230	CLA	CBD-CGD-O2D-CED
14	aB	1232	CLA	CBD-CGD-O2D-CED
14	aJ	1302	CLA	CBD-CGD-O2D-CED
14	aX	1401	CLA	CBD-CGD-O2D-CED
14	a1	506	CLA	CBD-CGD-O2D-CED
14	a1	510	CLA	CBD-CGD-O2D-CED
14	a2	503	CLA	CBD-CGD-O2D-CED
14	a2	510	CLA	CBD-CGD-O2D-CED
14	a2	518	CLA	CBD-CGD-O2D-CED
14	a3	503	CLA	CBD-CGD-O2D-CED
14	a3	511	CLA	CBD-CGD-O2D-CED
14	a3	513	CLA	CBD-CGD-O2D-CED
14	a4	503	CLA	CBD-CGD-O2D-CED
14	a4	510	CLA	CBD-CGD-O2D-CED
14	a4	519	CLA	CBD-CGD-O2D-CED
14	a5	502	CLA	CBD-CGD-O2D-CED
14	a5	506	CLA	CBD-CGD-O2D-CED
14	a5	511	CLA	CBD-CGD-O2D-CED
14	a5	518	CLA	CBD-CGD-O2D-CED
14	a6	501	CLA	CBD-CGD-O2D-CED
14	a6	503	CLA	CBD-CGD-O2D-CED
14	a6	504	CLA	CBD-CGD-O2D-CED
14	a6	506	CLA	CBD-CGD-O2D-CED
14	a6	508	CLA	CBD-CGD-O2D-CED
14	a6	510	CLA	CBD-CGD-O2D-CED
14	bA	1107	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	bA	1121	CLA	CBD-CGD-O2D-CED
14	bB	1021	CLA	CBD-CGD-O2D-CED
14	bB	1207	CLA	CBD-CGD-O2D-CED
14	bB	1211	CLA	CBD-CGD-O2D-CED
14	bB	1219	CLA	CBD-CGD-O2D-CED
14	bB	1224	CLA	CBD-CGD-O2D-CED
14	bB	1230	CLA	CBD-CGD-O2D-CED
14	bB	1232	CLA	CBD-CGD-O2D-CED
14	bJ	1302	CLA	CBD-CGD-O2D-CED
14	b1	508	CLA	CBD-CGD-O2D-CED
14	b1	511	CLA	CBD-CGD-O2D-CED
14	b2	506	CLA	CBD-CGD-O2D-CED
14	b3	503	CLA	CBD-CGD-O2D-CED
14	b3	506	CLA	CBD-CGD-O2D-CED
14	b3	508	CLA	CBD-CGD-O2D-CED
14	b3	513	CLA	CBD-CGD-O2D-CED
14	b3	517	CLA	CBD-CGD-O2D-CED
14	b4	502	CLA	CBD-CGD-O2D-CED
14	b4	503	CLA	CBD-CGD-O2D-CED
14	b4	511	CLA	CBD-CGD-O2D-CED
14	b5	506	CLA	CBD-CGD-O2D-CED
14	b5	510	CLA	CBD-CGD-O2D-CED
14	b6	501	CLA	CBD-CGD-O2D-CED
14	b6	502	CLA	CBD-CGD-O2D-CED
14	b6	503	CLA	CBD-CGD-O2D-CED
14	b6	506	CLA	CBD-CGD-O2D-CED
14	b6	511	CLA	CBD-CGD-O2D-CED
14	cA	1022	CLA	CBD-CGD-O2D-CED
14	cA	1107	CLA	CBD-CGD-O2D-CED
14	cA	1108	CLA	CBD-CGD-O2D-CED
14	cA	1114	CLA	CBD-CGD-O2D-CED
14	cA	1138	CLA	CBD-CGD-O2D-CED
14	cA	1801	CLA	CBD-CGD-O2D-CED
14	cB	1021	CLA	CBD-CGD-O2D-CED
14	cB	1023	CLA	CBD-CGD-O2D-CED
14	cB	1206	CLA	CBD-CGD-O2D-CED
14	cB	1216	CLA	CBD-CGD-O2D-CED
14	cB	1219	CLA	CBD-CGD-O2D-CED
14	cB	1224	CLA	CBD-CGD-O2D-CED
14	cB	1230	CLA	CBD-CGD-O2D-CED
14	cJ	1302	CLA	CBD-CGD-O2D-CED
14	cJ	1303	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	c1	502	CLA	CBD-CGD-O2D-CED
14	c1	510	CLA	CBD-CGD-O2D-CED
14	c1	511	CLA	CBD-CGD-O2D-CED
14	c1	519	CLA	CBD-CGD-O2D-CED
14	c2	502	CLA	CBD-CGD-O2D-CED
14	c2	503	CLA	CBD-CGD-O2D-CED
14	c2	506	CLA	CBD-CGD-O2D-CED
14	c3	506	CLA	CBD-CGD-O2D-CED
14	c3	510	CLA	CBD-CGD-O2D-CED
14	c3	518	CLA	CBD-CGD-O2D-CED
14	c4	502	CLA	CBD-CGD-O2D-CED
14	c4	503	CLA	CBD-CGD-O2D-CED
14	c4	506	CLA	CBD-CGD-O2D-CED
14	c4	510	CLA	CBD-CGD-O2D-CED
14	c4	511	CLA	CBD-CGD-O2D-CED
14	c4	517	CLA	CBD-CGD-O2D-CED
14	c4	519	CLA	CBD-CGD-O2D-CED
14	c5	503	CLA	CBD-CGD-O2D-CED
14	c5	504	CLA	CBD-CGD-O2D-CED
14	c5	506	CLA	CBD-CGD-O2D-CED
14	c5	508	CLA	CBD-CGD-O2D-CED
14	c5	510	CLA	CBD-CGD-O2D-CED
14	c6	501	CLA	CBD-CGD-O2D-CED
14	c6	503	CLA	CBD-CGD-O2D-CED
14	c6	506	CLA	CBD-CGD-O2D-CED
14	c6	510	CLA	CBD-CGD-O2D-CED
14	c6	513	CLA	CBD-CGD-O2D-CED
14	S	504	CLA	CBD-CGD-O2D-CED
14	S	506	CLA	CBD-CGD-O2D-CED
14	S	509	CLA	CBD-CGD-O2D-CED
14	S	510	CLA	CBD-CGD-O2D-CED
14	S	511	CLA	CBD-CGD-O2D-CED
14	T	504	CLA	CBD-CGD-O2D-CED
14	T	506	CLA	CBD-CGD-O2D-CED
14	T	509	CLA	CBD-CGD-O2D-CED
14	T	510	CLA	CBD-CGD-O2D-CED
14	T	511	CLA	CBD-CGD-O2D-CED
14	T	512	CLA	CBD-CGD-O2D-CED
14	T	517	CLA	CBD-CGD-O2D-CED
14	T	518	CLA	CBD-CGD-O2D-CED
14	U	503	CLA	CBD-CGD-O2D-CED
14	U	504	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	V	505	CLA	CBD-CGD-O2D-CED
14	V	506	CLA	CBD-CGD-O2D-CED
14	V	511	CLA	CBD-CGD-O2D-CED
14	V	512	CLA	CBD-CGD-O2D-CED
14	V	513	CLA	CBD-CGD-O2D-CED
14	W	503	CLA	CBD-CGD-O2D-CED
14	W	506	CLA	CBD-CGD-O2D-CED
14	W	508	CLA	CBD-CGD-O2D-CED
14	X	506	CLA	CBD-CGD-O2D-CED
14	X	510	CLA	CBD-CGD-O2D-CED
14	Y	501	CLA	CBD-CGD-O2D-CED
14	Y	506	CLA	CBD-CGD-O2D-CED
14	Y	509	CLA	CBD-CGD-O2D-CED
14	Y	510	CLA	CBD-CGD-O2D-CED
14	Y	511	CLA	CBD-CGD-O2D-CED
14	Z	502	CLA	CBD-CGD-O2D-CED
14	Z	506	CLA	CBD-CGD-O2D-CED
14	Z	510	CLA	CBD-CGD-O2D-CED
14	Z	516	CLA	CBD-CGD-O2D-CED
14	a	502	CLA	CBD-CGD-O2D-CED
14	a	506	CLA	CBD-CGD-O2D-CED
14	a	510	CLA	CBD-CGD-O2D-CED
14	a	516	CLA	CBD-CGD-O2D-CED
14	a	518	CLA	CBD-CGD-O2D-CED
14	b	501	CLA	CBD-CGD-O2D-CED
14	b	506	CLA	CBD-CGD-O2D-CED
14	b	509	CLA	CBD-CGD-O2D-CED
14	c	503	CLA	CBD-CGD-O2D-CED
14	c	506	CLA	CBD-CGD-O2D-CED
14	c	510	CLA	CBD-CGD-O2D-CED
14	d	503	CLA	CBD-CGD-O2D-CED
14	d	506	CLA	CBD-CGD-O2D-CED
14	d	510	CLA	CBD-CGD-O2D-CED
14	d	516	CLA	CBD-CGD-O2D-CED
14	d	518	CLA	CBD-CGD-O2D-CED
14	e	503	CLA	CBD-CGD-O2D-CED
14	e	506	CLA	CBD-CGD-O2D-CED
14	e	508	CLA	CBD-CGD-O2D-CED
14	e	510	CLA	CBD-CGD-O2D-CED
14	f	501	CLA	CBD-CGD-O2D-CED
14	f	506	CLA	CBD-CGD-O2D-CED
14	f	510	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	f	518	CLA	CBD-CGD-O2D-CED
14	f	519	CLA	CBD-CGD-O2D-CED
14	g	502	CLA	CBD-CGD-O2D-CED
14	g	503	CLA	CBD-CGD-O2D-CED
14	g	506	CLA	CBD-CGD-O2D-CED
14	g	508	CLA	CBD-CGD-O2D-CED
14	g	518	CLA	CBD-CGD-O2D-CED
14	h	503	CLA	CBD-CGD-O2D-CED
14	h	509	CLA	CBD-CGD-O2D-CED
14	h	510	CLA	CBD-CGD-O2D-CED
14	h	517	CLA	CBD-CGD-O2D-CED
14	h	519	CLA	CBD-CGD-O2D-CED
14	i	508	CLA	CBD-CGD-O2D-CED
14	i	517	CLA	CBD-CGD-O2D-CED
14	j	503	CLA	CBD-CGD-O2D-CED
14	j	512	CLA	CBD-CGD-O2D-CED
14	j	517	CLA	CBD-CGD-O2D-CED
14	j	518	CLA	CBD-CGD-O2D-CED
14	k	502	CLA	CBD-CGD-O2D-CED
14	k	506	CLA	CBD-CGD-O2D-CED
14	k	510	CLA	CBD-CGD-O2D-CED
14	k	519	CLA	CBD-CGD-O2D-CED
14	l	502	CLA	CBD-CGD-O2D-CED
14	l	503	CLA	CBD-CGD-O2D-CED
14	l	506	CLA	CBD-CGD-O2D-CED
14	l	510	CLA	CBD-CGD-O2D-CED
14	m	504	CLA	CBD-CGD-O2D-CED
14	m	503	CLA	CBD-CGD-O2D-CED
14	m	506	CLA	CBD-CGD-O2D-CED
14	m	507	CLA	CBD-CGD-O2D-CED
14	m	508	CLA	CBD-CGD-O2D-CED
14	m	510	CLA	CBD-CGD-O2D-CED
14	n	502	CLA	CBD-CGD-O2D-CED
14	n	510	CLA	CBD-CGD-O2D-CED
14	o	504	CLA	CBD-CGD-O2D-CED
14	o	506	CLA	CBD-CGD-O2D-CED
14	o	510	CLA	CBD-CGD-O2D-CED
14	o	517	CLA	CBD-CGD-O2D-CED
14	p	502	CLA	CBD-CGD-O2D-CED
14	p	506	CLA	CBD-CGD-O2D-CED
14	p	510	CLA	CBD-CGD-O2D-CED
14	p	511	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	q	502	CLA	CBD-CGD-O2D-CED
14	q	503	CLA	CBD-CGD-O2D-CED
14	q	506	CLA	CBD-CGD-O2D-CED
14	q	510	CLA	CBD-CGD-O2D-CED
14	q	518	CLA	CBD-CGD-O2D-CED
14	aA	1013	CLA	O1A-CGA-O2A-C1
14	a2	505	CLA	O1A-CGA-O2A-C1
14	a4	505	CLA	O1A-CGA-O2A-C1
14	bA	1013	CLA	O1A-CGA-O2A-C1
14	bB	1217	CLA	O1A-CGA-O2A-C1
14	bB	1231	CLA	O1A-CGA-O2A-C1
14	bK	1401	CLA	O1A-CGA-O2A-C1
14	b1	505	CLA	O1A-CGA-O2A-C1
14	cA	1013	CLA	O1A-CGA-O2A-C1
14	c5	505	CLA	O1A-CGA-O2A-C1
14	T	505	CLA	O1A-CGA-O2A-C1
14	X	505	CLA	O1A-CGA-O2A-C1
14	Y	505	CLA	O1A-CGA-O2A-C1
14	c	505	CLA	O1A-CGA-O2A-C1
14	p	505	CLA	O1A-CGA-O2A-C1
14	aB	1219	CLA	O1D-CGD-O2D-CED
14	a6	503	CLA	O1D-CGD-O2D-CED
14	a	504	CLA	O1D-CGD-O2D-CED
14	d	508	CLA	O1D-CGD-O2D-CED
14	l	510	CLA	O1D-CGD-O2D-CED
14	f	516	CLA	C4C-C3C-CAC-CBC
14	g	516	CLA	C4C-C3C-CAC-CBC
14	a2	503	CLA	O1D-CGD-O2D-CED
14	a3	503	CLA	O1D-CGD-O2D-CED
14	bB	1219	CLA	O1D-CGD-O2D-CED
14	b2	506	CLA	O1D-CGD-O2D-CED
14	b3	506	CLA	O1D-CGD-O2D-CED
14	b4	502	CLA	O1D-CGD-O2D-CED
14	b5	506	CLA	O1D-CGD-O2D-CED
14	b6	503	CLA	O1D-CGD-O2D-CED
14	cB	1219	CLA	O1D-CGD-O2D-CED
14	cJ	1303	CLA	O1D-CGD-O2D-CED
14	c3	510	CLA	O1D-CGD-O2D-CED
14	c4	506	CLA	O1D-CGD-O2D-CED
14	c5	506	CLA	O1D-CGD-O2D-CED
14	c5	510	CLA	O1D-CGD-O2D-CED
14	c6	503	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	c6	506	CLA	O1D-CGD-O2D-CED
14	S	504	CLA	O1D-CGD-O2D-CED
14	T	504	CLA	O1D-CGD-O2D-CED
14	T	506	CLA	O1D-CGD-O2D-CED
14	V	506	CLA	O1D-CGD-O2D-CED
14	X	510	CLA	O1D-CGD-O2D-CED
14	Y	501	CLA	O1D-CGD-O2D-CED
14	Y	510	CLA	O1D-CGD-O2D-CED
14	a	506	CLA	O1D-CGD-O2D-CED
14	c	510	CLA	O1D-CGD-O2D-CED
14	e	506	CLA	O1D-CGD-O2D-CED
14	f	506	CLA	O1D-CGD-O2D-CED
14	g	503	CLA	O1D-CGD-O2D-CED
14	q	502	CLA	O1D-CGD-O2D-CED
14	q	510	CLA	O1D-CGD-O2D-CED
14	q	518	CLA	O1D-CGD-O2D-CED
14	aA	1130	CLA	CBA-CGA-O2A-C1
14	a2	505	CLA	CBA-CGA-O2A-C1
14	bK	1401	CLA	CBA-CGA-O2A-C1
14	b1	505	CLA	CBA-CGA-O2A-C1
14	cA	1013	CLA	CBA-CGA-O2A-C1
14	c5	505	CLA	CBA-CGA-O2A-C1
14	X	505	CLA	CBA-CGA-O2A-C1
14	Y	505	CLA	CBA-CGA-O2A-C1
14	e	505	CLA	CBA-CGA-O2A-C1
14	p	505	CLA	CBA-CGA-O2A-C1
18	aA	5002	LHG	C24-C23-O8-C6
18	bA	5002	LHG	C24-C23-O8-C6
18	cA	5002	LHG	C24-C23-O8-C6
14	aA	1121	CLA	CBD-CGD-O2D-CED
14	aA	1139	CLA	CBD-CGD-O2D-CED
14	bA	1108	CLA	CBD-CGD-O2D-CED
14	cX	1401	CLA	CBD-CGD-O2D-CED
14	c4	504	CLA	CBD-CGD-O2D-CED
14	aA	1130	CLA	O1A-CGA-O2A-C1
14	aB	1209	CLA	O1A-CGA-O2A-C1
14	aK	1401	CLA	O1A-CGA-O2A-C1
14	a1	505	CLA	O1A-CGA-O2A-C1
14	a2	504	CLA	O1A-CGA-O2A-C1
14	a3	505	CLA	O1A-CGA-O2A-C1
14	a6	505	CLA	O1A-CGA-O2A-C1
14	bB	1209	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	b2	505	CLA	O1A-CGA-O2A-C1
14	b3	505	CLA	O1A-CGA-O2A-C1
14	b4	505	CLA	O1A-CGA-O2A-C1
14	b5	505	CLA	O1A-CGA-O2A-C1
14	b6	505	CLA	O1A-CGA-O2A-C1
14	cB	1209	CLA	O1A-CGA-O2A-C1
14	cB	1217	CLA	O1A-CGA-O2A-C1
14	cK	1401	CLA	O1A-CGA-O2A-C1
14	c1	505	CLA	O1A-CGA-O2A-C1
14	c2	505	CLA	O1A-CGA-O2A-C1
14	c3	505	CLA	O1A-CGA-O2A-C1
14	c6	505	CLA	O1A-CGA-O2A-C1
14	S	505	CLA	O1A-CGA-O2A-C1
14	U	505	CLA	O1A-CGA-O2A-C1
14	V	504	CLA	O1A-CGA-O2A-C1
14	V	505	CLA	O1A-CGA-O2A-C1
14	W	505	CLA	O1A-CGA-O2A-C1
14	Z	505	CLA	O1A-CGA-O2A-C1
14	a	505	CLA	O1A-CGA-O2A-C1
14	b	505	CLA	O1A-CGA-O2A-C1
14	d	505	CLA	O1A-CGA-O2A-C1
14	e	505	CLA	O1A-CGA-O2A-C1
14	i	505	CLA	O1A-CGA-O2A-C1
14	m	505	CLA	O1A-CGA-O2A-C1
14	n	505	CLA	O1A-CGA-O2A-C1
18	aA	5002	LHG	O10-C23-O8-C6
18	bA	5002	LHG	O10-C23-O8-C6
18	cA	5002	LHG	O10-C23-O8-C6
20	a6	822	SQD	O10-C23-O48-C46
19	cA	1848	LMU	C4'-C5'-C6'-O6'
14	aA	1108	CLA	O1D-CGD-O2D-CED
14	aA	1801	CLA	O1D-CGD-O2D-CED
14	a2	510	CLA	O1D-CGD-O2D-CED
14	a2	517	CLA	O1D-CGD-O2D-CED
14	a3	511	CLA	O1D-CGD-O2D-CED
14	a4	506	CLA	O1D-CGD-O2D-CED
14	a5	506	CLA	O1D-CGD-O2D-CED
14	bA	1126	CLA	O1D-CGD-O2D-CED
14	bA	1139	CLA	O1D-CGD-O2D-CED
14	bB	1023	CLA	O1D-CGD-O2D-CED
14	b1	506	CLA	O1D-CGD-O2D-CED
14	b1	510	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	b2	503	CLA	O1D-CGD-O2D-CED
14	b4	510	CLA	O1D-CGD-O2D-CED
14	b6	501	CLA	O1D-CGD-O2D-CED
14	b6	508	CLA	O1D-CGD-O2D-CED
14	cA	1108	CLA	O1D-CGD-O2D-CED
14	cB	1232	CLA	O1D-CGD-O2D-CED
14	c1	506	CLA	O1D-CGD-O2D-CED
14	c1	519	CLA	O1D-CGD-O2D-CED
14	c2	519	CLA	O1D-CGD-O2D-CED
14	c3	506	CLA	O1D-CGD-O2D-CED
14	c6	519	CLA	O1D-CGD-O2D-CED
14	U	503	CLA	O1D-CGD-O2D-CED
14	a	510	CLA	O1D-CGD-O2D-CED
14	a	518	CLA	O1D-CGD-O2D-CED
14	b	509	CLA	O1D-CGD-O2D-CED
14	d	506	CLA	O1D-CGD-O2D-CED
14	f	501	CLA	O1D-CGD-O2D-CED
14	f	517	CLA	O1D-CGD-O2D-CED
14	g	501	CLA	O1D-CGD-O2D-CED
14	g	504	CLA	O1D-CGD-O2D-CED
14	g	506	CLA	O1D-CGD-O2D-CED
14	g	517	CLA	O1D-CGD-O2D-CED
14	h	506	CLA	O1D-CGD-O2D-CED
14	h	513	CLA	O1D-CGD-O2D-CED
14	i	503	CLA	O1D-CGD-O2D-CED
14	j	501	CLA	O1D-CGD-O2D-CED
14	j	503	CLA	O1D-CGD-O2D-CED
14	k	512	CLA	O1D-CGD-O2D-CED
14	l	502	CLA	O1D-CGD-O2D-CED
14	n	506	CLA	O1D-CGD-O2D-CED
14	n	510	CLA	O1D-CGD-O2D-CED
14	n	517	CLA	O1D-CGD-O2D-CED
14	p	506	CLA	O1D-CGD-O2D-CED
14	p	509	CLA	O1D-CGD-O2D-CED
14	p	518	CLA	O1D-CGD-O2D-CED
14	q	517	CLA	O1D-CGD-O2D-CED
14	aA	1107	CLA	O1D-CGD-O2D-CED
14	aA	1119	CLA	O1D-CGD-O2D-CED
14	aA	1126	CLA	O1D-CGD-O2D-CED
14	aB	1023	CLA	O1D-CGD-O2D-CED
14	aJ	1303	CLA	O1D-CGD-O2D-CED
14	a2	506	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	a3	506	CLA	O1D-CGD-O2D-CED
14	a5	510	CLA	O1D-CGD-O2D-CED
14	a6	518	CLA	O1D-CGD-O2D-CED
14	a6	519	CLA	O1D-CGD-O2D-CED
14	bJ	1303	CLA	O1D-CGD-O2D-CED
14	b1	501	CLA	O1D-CGD-O2D-CED
14	b1	503	CLA	O1D-CGD-O2D-CED
14	b3	511	CLA	O1D-CGD-O2D-CED
14	b4	501	CLA	O1D-CGD-O2D-CED
14	b4	506	CLA	O1D-CGD-O2D-CED
14	b5	502	CLA	O1D-CGD-O2D-CED
14	c3	503	CLA	O1D-CGD-O2D-CED
14	c4	518	CLA	O1D-CGD-O2D-CED
14	c5	501	CLA	O1D-CGD-O2D-CED
14	c5	516	CLA	O1D-CGD-O2D-CED
14	c5	517	CLA	O1D-CGD-O2D-CED
14	S	502	CLA	O1D-CGD-O2D-CED
14	T	501	CLA	O1D-CGD-O2D-CED
14	U	501	CLA	O1D-CGD-O2D-CED
14	U	506	CLA	O1D-CGD-O2D-CED
14	U	510	CLA	O1D-CGD-O2D-CED
14	W	504	CLA	O1D-CGD-O2D-CED
14	X	501	CLA	O1D-CGD-O2D-CED
14	Y	519	CLA	O1D-CGD-O2D-CED
14	Z	504	CLA	O1D-CGD-O2D-CED
14	a	508	CLA	O1D-CGD-O2D-CED
14	b	518	CLA	O1D-CGD-O2D-CED
14	c	501	CLA	O1D-CGD-O2D-CED
14	c	518	CLA	O1D-CGD-O2D-CED
14	d	517	CLA	O1D-CGD-O2D-CED
14	e	501	CLA	O1D-CGD-O2D-CED
14	e	518	CLA	O1D-CGD-O2D-CED
14	e	519	CLA	O1D-CGD-O2D-CED
14	i	510	CLA	O1D-CGD-O2D-CED
14	j	502	CLA	O1D-CGD-O2D-CED
14	k	508	CLA	O1D-CGD-O2D-CED
14	l	501	CLA	O1D-CGD-O2D-CED
14	l	508	CLA	O1D-CGD-O2D-CED
14	m	509	CLA	O1D-CGD-O2D-CED
14	n	501	CLA	O1D-CGD-O2D-CED
14	o	501	CLA	O1D-CGD-O2D-CED
14	p	501	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
19	cA	1849	LMU	C4'-C5'-C6'-O6'
14	aB	1207	CLA	CBD-CGD-O2D-CED
14	bB	1209	CLA	CBD-CGD-O2D-CED
14	aA	1119	CLA	O1A-CGA-O2A-C1
14	bA	1130	CLA	O1A-CGA-O2A-C1
14	bL	1501	CLA	O1A-CGA-O2A-C1
14	cA	1130	CLA	O1A-CGA-O2A-C1
14	Z	504	CLA	O1A-CGA-O2A-C1
20	c5	822	SQD	O10-C23-O48-C46
18	aA	5002	LHG	O9-C7-O7-C5
18	aA	5004	LHG	O9-C7-O7-C5
18	cA	5004	LHG	O9-C7-O7-C5
20	a1	822	SQD	O49-C7-O47-C45
20	a2	822	SQD	O49-C7-O47-C45
20	a3	822	SQD	O49-C7-O47-C45
20	a4	822	SQD	O49-C7-O47-C45
20	a5	822	SQD	O49-C7-O47-C45
20	a6	822	SQD	O49-C7-O47-C45
20	b1	822	SQD	O49-C7-O47-C45
20	b2	822	SQD	O49-C7-O47-C45
20	b3	822	SQD	O49-C7-O47-C45
20	b4	822	SQD	O49-C7-O47-C45
20	b5	822	SQD	O49-C7-O47-C45
20	b6	822	SQD	O49-C7-O47-C45
20	c1	822	SQD	O49-C7-O47-C45
20	c3	822	SQD	O49-C7-O47-C45
20	c4	822	SQD	O49-C7-O47-C45
20	c5	822	SQD	O49-C7-O47-C45
20	c6	822	SQD	O49-C7-O47-C45
20	S	822	SQD	O49-C7-O47-C45
20	V	822	SQD	O49-C7-O47-C45
20	W	822	SQD	O49-C7-O47-C45
20	X	822	SQD	O49-C7-O47-C45
20	Y	822	SQD	O49-C7-O47-C45
20	b	822	SQD	O49-C7-O47-C45
20	c	822	SQD	O49-C7-O47-C45
20	d	822	SQD	O49-C7-O47-C45
20	e	822	SQD	O49-C7-O47-C45
20	f	822	SQD	O49-C7-O47-C45
20	g	822	SQD	O49-C7-O47-C45
20	h	822	SQD	O49-C7-O47-C45
20	m	822	SQD	O49-C7-O47-C45

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Mol	Chain	Res	Type	Atoms
20	n	822	SQD	O49-C7-O47-C45
20	p	822	SQD	O49-C7-O47-C45
14	cA	1119	CLA	O1D-CGD-O2D-CED
14	b	519	CLA	O1D-CGD-O2D-CED
14	aA	1103	CLA	C3-C5-C6-C7
14	aA	1115	CLA	C3-C5-C6-C7
14	aA	1133	CLA	C3-C5-C6-C7
14	aA	1011	CLA	C3-C5-C6-C7
14	aA	1237	CLA	C3-C5-C6-C7
14	aB	1205	CLA	C3-C5-C6-C7
14	aB	1218	CLA	C3-C5-C6-C7
14	aB	1221	CLA	C3-C5-C6-C7
14	aB	1231	CLA	C3-C5-C6-C7
14	aB	1235	CLA	C3-C5-C6-C7
14	aB	1238	CLA	C3-C5-C6-C7
14	a1	504	CLA	C3-C5-C6-C7
14	a1	505	CLA	C3-C5-C6-C7
14	a1	510	CLA	C3-C5-C6-C7
14	a1	511	CLA	C3-C5-C6-C7
14	a2	505	CLA	C3-C5-C6-C7
14	a4	505	CLA	C3-C5-C6-C7
14	a5	505	CLA	C3-C5-C6-C7
14	a6	504	CLA	C3-C5-C6-C7
14	a6	505	CLA	C3-C5-C6-C7
14	bA	1103	CLA	C3-C5-C6-C7
14	bA	1133	CLA	C3-C5-C6-C7
14	bA	1140	CLA	C3-C5-C6-C7
14	bA	1237	CLA	C3-C5-C6-C7
14	bB	1218	CLA	C3-C5-C6-C7
14	bB	1221	CLA	C3-C5-C6-C7
14	bB	1231	CLA	C3-C5-C6-C7
14	bB	1235	CLA	C3-C5-C6-C7
14	b1	505	CLA	C3-C5-C6-C7
14	b1	510	CLA	C3-C5-C6-C7
14	b1	511	CLA	C3-C5-C6-C7
14	b2	505	CLA	C3-C5-C6-C7
14	b3	502	CLA	C3-C5-C6-C7
14	b3	505	CLA	C3-C5-C6-C7
14	b3	510	CLA	C3-C5-C6-C7
14	b4	501	CLA	C3-C5-C6-C7
14	b4	505	CLA	C3-C5-C6-C7
14	b5	505	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	b6	505	CLA	C3-C5-C6-C7
14	cA	1103	CLA	C3-C5-C6-C7
14	cA	1133	CLA	C3-C5-C6-C7
14	cA	1140	CLA	C3-C5-C6-C7
14	cA	1237	CLA	C3-C5-C6-C7
14	cB	1205	CLA	C3-C5-C6-C7
14	cB	1221	CLA	C3-C5-C6-C7
14	cB	1231	CLA	C3-C5-C6-C7
14	c1	503	CLA	C3-C5-C6-C7
14	c1	504	CLA	C3-C5-C6-C7
14	c1	505	CLA	C3-C5-C6-C7
14	c2	505	CLA	C3-C5-C6-C7
14	c3	504	CLA	C3-C5-C6-C7
14	c3	505	CLA	C3-C5-C6-C7
14	c3	511	CLA	C3-C5-C6-C7
14	c5	505	CLA	C3-C5-C6-C7
14	c6	505	CLA	C3-C5-C6-C7
14	S	505	CLA	C3-C5-C6-C7
14	S	510	CLA	C3-C5-C6-C7
14	U	505	CLA	C3-C5-C6-C7
14	U	510	CLA	C3-C5-C6-C7
14	V	510	CLA	C3-C5-C6-C7
14	W	505	CLA	C3-C5-C6-C7
14	X	505	CLA	C3-C5-C6-C7
14	X	510	CLA	C3-C5-C6-C7
14	Y	504	CLA	C3-C5-C6-C7
14	Y	505	CLA	C3-C5-C6-C7
14	Y	518	CLA	C3-C5-C6-C7
14	Z	503	CLA	C3-C5-C6-C7
14	Z	505	CLA	C3-C5-C6-C7
14	Z	518	CLA	C3-C5-C6-C7
14	a	505	CLA	C3-C5-C6-C7
14	c	505	CLA	C3-C5-C6-C7
14	d	505	CLA	C3-C5-C6-C7
14	e	505	CLA	C3-C5-C6-C7
14	e	510	CLA	C3-C5-C6-C7
14	g	505	CLA	C3-C5-C6-C7
14	n	505	CLA	C3-C5-C6-C7
15	aB	2002	PQN	C13-C15-C16-C17
15	bB	2002	PQN	C13-C15-C16-C17
15	cB	2002	PQN	C13-C15-C16-C17
14	aA	1114	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	bA	1119	CLA	O1D-CGD-O2D-CED
14	b3	517	CLA	O1D-CGD-O2D-CED
14	V	501	CLA	O1D-CGD-O2D-CED
14	a	519	CLA	O1D-CGD-O2D-CED
14	i	516	CLA	O1D-CGD-O2D-CED
14	aB	1209	CLA	CBA-CGA-O2A-C1
14	aB	1217	CLA	CBA-CGA-O2A-C1
14	aK	1401	CLA	CBA-CGA-O2A-C1
14	a1	505	CLA	CBA-CGA-O2A-C1
14	a2	504	CLA	CBA-CGA-O2A-C1
14	a3	505	CLA	CBA-CGA-O2A-C1
14	a4	505	CLA	CBA-CGA-O2A-C1
14	a5	505	CLA	CBA-CGA-O2A-C1
14	bA	1110	CLA	CBA-CGA-O2A-C1
14	bA	1118	CLA	CBA-CGA-O2A-C1
14	bB	1209	CLA	CBA-CGA-O2A-C1
14	bB	1215	CLA	CBA-CGA-O2A-C1
14	bB	1217	CLA	CBA-CGA-O2A-C1
14	b2	505	CLA	CBA-CGA-O2A-C1
14	b5	504	CLA	CBA-CGA-O2A-C1
14	b6	505	CLA	CBA-CGA-O2A-C1
14	cA	1106	CLA	CBA-CGA-O2A-C1
14	cA	1119	CLA	CBA-CGA-O2A-C1
14	cB	1209	CLA	CBA-CGA-O2A-C1
14	cB	1217	CLA	CBA-CGA-O2A-C1
14	cK	1401	CLA	CBA-CGA-O2A-C1
14	c2	505	CLA	CBA-CGA-O2A-C1
14	c5	502	CLA	CBA-CGA-O2A-C1
14	c6	502	CLA	CBA-CGA-O2A-C1
14	c6	505	CLA	CBA-CGA-O2A-C1
14	V	505	CLA	CBA-CGA-O2A-C1
14	W	502	CLA	CBA-CGA-O2A-C1
14	Z	505	CLA	CBA-CGA-O2A-C1
14	c	505	CLA	CBA-CGA-O2A-C1
14	i	505	CLA	CBA-CGA-O2A-C1
14	n	505	CLA	CBA-CGA-O2A-C1
14	q	505	CLA	CBA-CGA-O2A-C1
20	b4	822	SQD	C24-C23-O48-C46
14	aA	1111	CLA	CBD-CGD-O2D-CED
14	aA	1113	CLA	CBD-CGD-O2D-CED
14	aA	1132	CLA	CBD-CGD-O2D-CED
14	aB	1012	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	aB	1212	CLA	CBD-CGD-O2D-CED
14	aB	1229	CLA	CBD-CGD-O2D-CED
14	aB	1239	CLA	CBD-CGD-O2D-CED
14	a1	517	CLA	CBD-CGD-O2D-CED
14	a2	519	CLA	CBD-CGD-O2D-CED
14	a4	501	CLA	CBD-CGD-O2D-CED
14	a4	508	CLA	CBD-CGD-O2D-CED
14	a5	501	CLA	CBD-CGD-O2D-CED
14	a6	502	CLA	CBD-CGD-O2D-CED
14	a6	513	CLA	CBD-CGD-O2D-CED
14	bA	1120	CLA	CBD-CGD-O2D-CED
14	bA	1131	CLA	CBD-CGD-O2D-CED
14	bA	1132	CLA	CBD-CGD-O2D-CED
14	bA	1135	CLA	CBD-CGD-O2D-CED
14	bA	1138	CLA	CBD-CGD-O2D-CED
14	bA	1022	CLA	CBD-CGD-O2D-CED
14	bB	1212	CLA	CBD-CGD-O2D-CED
14	bB	1216	CLA	CBD-CGD-O2D-CED
14	bB	1218	CLA	CBD-CGD-O2D-CED
14	bB	1228	CLA	CBD-CGD-O2D-CED
14	bB	1229	CLA	CBD-CGD-O2D-CED
14	bB	1239	CLA	CBD-CGD-O2D-CED
14	bX	1401	CLA	CBD-CGD-O2D-CED
14	b2	501	CLA	CBD-CGD-O2D-CED
14	b2	507	CLA	CBD-CGD-O2D-CED
14	b2	510	CLA	CBD-CGD-O2D-CED
14	b2	517	CLA	CBD-CGD-O2D-CED
14	b2	519	CLA	CBD-CGD-O2D-CED
14	b3	510	CLA	CBD-CGD-O2D-CED
14	b4	504	CLA	CBD-CGD-O2D-CED
14	b5	509	CLA	CBD-CGD-O2D-CED
14	b6	518	CLA	CBD-CGD-O2D-CED
14	b6	519	CLA	CBD-CGD-O2D-CED
14	cA	1121	CLA	CBD-CGD-O2D-CED
14	cA	1132	CLA	CBD-CGD-O2D-CED
14	cA	1139	CLA	CBD-CGD-O2D-CED
14	cA	1237	CLA	CBD-CGD-O2D-CED
14	cB	1012	CLA	CBD-CGD-O2D-CED
14	cB	1203	CLA	CBD-CGD-O2D-CED
14	cB	1207	CLA	CBD-CGD-O2D-CED
14	cB	1209	CLA	CBD-CGD-O2D-CED
14	cB	1211	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	cB	1212	CLA	CBD-CGD-O2D-CED
14	cB	1214	CLA	CBD-CGD-O2D-CED
14	cB	1218	CLA	CBD-CGD-O2D-CED
14	cB	1228	CLA	CBD-CGD-O2D-CED
14	cB	1229	CLA	CBD-CGD-O2D-CED
14	cB	1231	CLA	CBD-CGD-O2D-CED
14	cB	1239	CLA	CBD-CGD-O2D-CED
14	c1	501	CLA	CBD-CGD-O2D-CED
14	c1	504	CLA	CBD-CGD-O2D-CED
14	c1	505	CLA	CBD-CGD-O2D-CED
14	c3	501	CLA	CBD-CGD-O2D-CED
14	c3	508	CLA	CBD-CGD-O2D-CED
14	c3	519	CLA	CBD-CGD-O2D-CED
14	c5	507	CLA	CBD-CGD-O2D-CED
14	c6	509	CLA	CBD-CGD-O2D-CED
14	c6	516	CLA	CBD-CGD-O2D-CED
14	U	508	CLA	CBD-CGD-O2D-CED
14	U	517	CLA	CBD-CGD-O2D-CED
14	V	509	CLA	CBD-CGD-O2D-CED
14	W	501	CLA	CBD-CGD-O2D-CED
14	W	509	CLA	CBD-CGD-O2D-CED
14	X	519	CLA	CBD-CGD-O2D-CED
14	Z	503	CLA	CBD-CGD-O2D-CED
14	Z	507	CLA	CBD-CGD-O2D-CED
14	Z	511	CLA	CBD-CGD-O2D-CED
14	Z	517	CLA	CBD-CGD-O2D-CED
14	b	502	CLA	CBD-CGD-O2D-CED
14	c	502	CLA	CBD-CGD-O2D-CED
14	c	511	CLA	CBD-CGD-O2D-CED
14	c	513	CLA	CBD-CGD-O2D-CED
14	c	517	CLA	CBD-CGD-O2D-CED
14	c	519	CLA	CBD-CGD-O2D-CED
14	e	513	CLA	CBD-CGD-O2D-CED
14	e	517	CLA	CBD-CGD-O2D-CED
14	f	509	CLA	CBD-CGD-O2D-CED
14	i	507	CLA	CBD-CGD-O2D-CED
14	j	519	CLA	CBD-CGD-O2D-CED
14	k	505	CLA	CBD-CGD-O2D-CED
14	l	507	CLA	CBD-CGD-O2D-CED
14	m	513	CLA	CBD-CGD-O2D-CED
14	q	501	CLA	CBD-CGD-O2D-CED
14	q	507	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	q	512	CLA	CBD-CGD-O2D-CED
20	a6	822	SQD	C8-C7-O47-C45
20	b2	822	SQD	C8-C7-O47-C45
14	aA	1138	CLA	O1D-CGD-O2D-CED
14	aB	1224	CLA	O1D-CGD-O2D-CED
14	a1	511	CLA	O1D-CGD-O2D-CED
14	bA	1107	CLA	O1D-CGD-O2D-CED
14	cA	1114	CLA	O1D-CGD-O2D-CED
14	cJ	1302	CLA	O1D-CGD-O2D-CED
14	c4	502	CLA	O1D-CGD-O2D-CED
14	S	503	CLA	O1D-CGD-O2D-CED
14	W	512	CLA	O1D-CGD-O2D-CED
14	Z	502	CLA	O1D-CGD-O2D-CED
14	Z	509	CLA	O1D-CGD-O2D-CED
14	c	508	CLA	O1D-CGD-O2D-CED
14	d	501	CLA	O1D-CGD-O2D-CED
14	h	511	CLA	O1D-CGD-O2D-CED
14	k	501	CLA	O1D-CGD-O2D-CED
14	aL	1501	CLA	O1A-CGA-O2A-C1
14	bA	1113	CLA	O1A-CGA-O2A-C1
14	cL	1501	CLA	O1A-CGA-O2A-C1
14	bB	1224	CLA	O1D-CGD-O2D-CED
14	cB	1224	CLA	O1D-CGD-O2D-CED
14	c3	518	CLA	O1D-CGD-O2D-CED
14	b	508	CLA	O1D-CGD-O2D-CED
14	f	502	CLA	O1D-CGD-O2D-CED
14	f	519	CLA	O1D-CGD-O2D-CED
14	h	510	CLA	O1D-CGD-O2D-CED
14	aA	1120	CLA	C4-C3-C5-C6
14	aA	1122	CLA	C4-C3-C5-C6
14	aA	1130	CLA	C4-C3-C5-C6
14	aA	1137	CLA	C4-C3-C5-C6
14	aB	1203	CLA	C4-C3-C5-C6
14	aB	1230	CLA	C4-C3-C5-C6
14	a2	505	CLA	C4-C3-C5-C6
14	a4	510	CLA	C4-C3-C5-C6
14	bA	1122	CLA	C4-C3-C5-C6
14	bA	1129	CLA	C4-C3-C5-C6
14	bA	1130	CLA	C4-C3-C5-C6
14	bB	1203	CLA	C4-C3-C5-C6
14	b1	503	CLA	C4-C3-C5-C6
14	b2	510	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	b4	510	CLA	C4-C3-C5-C6
14	cA	1137	CLA	C4-C3-C5-C6
14	cB	1203	CLA	C4-C3-C5-C6
14	c1	503	CLA	C4-C3-C5-C6
14	c1	510	CLA	C4-C3-C5-C6
14	c1	516	CLA	C4-C3-C5-C6
14	c5	510	CLA	C4-C3-C5-C6
14	c6	510	CLA	C4-C3-C5-C6
14	T	510	CLA	C4-C3-C5-C6
14	V	510	CLA	C4-C3-C5-C6
14	W	510	CLA	C4-C3-C5-C6
14	X	510	CLA	C4-C3-C5-C6
14	Y	505	CLA	C4-C3-C5-C6
14	o	510	CLA	C4-C3-C5-C6
14	aA	1130	CLA	C2-C3-C5-C6
14	aA	1137	CLA	C2-C3-C5-C6
14	aB	1203	CLA	C2-C3-C5-C6
14	aB	1230	CLA	C2-C3-C5-C6
14	a2	505	CLA	C2-C3-C5-C6
14	a3	510	CLA	C2-C3-C5-C6
14	a4	510	CLA	C2-C3-C5-C6
14	bA	1122	CLA	C2-C3-C5-C6
14	bA	1129	CLA	C2-C3-C5-C6
14	bA	1130	CLA	C2-C3-C5-C6
14	bB	1203	CLA	C2-C3-C5-C6
14	b2	510	CLA	C2-C3-C5-C6
14	cA	1137	CLA	C2-C3-C5-C6
14	cB	1203	CLA	C2-C3-C5-C6
14	c1	510	CLA	C2-C3-C5-C6
14	c1	516	CLA	C2-C3-C5-C6
14	c3	510	CLA	C2-C3-C5-C6
14	c4	510	CLA	C2-C3-C5-C6
14	c5	510	CLA	C2-C3-C5-C6
14	c6	501	CLA	C2-C3-C5-C6
14	c6	510	CLA	C2-C3-C5-C6
14	T	510	CLA	C2-C3-C5-C6
14	V	510	CLA	C2-C3-C5-C6
14	W	510	CLA	C2-C3-C5-C6
14	X	510	CLA	C2-C3-C5-C6
14	Y	505	CLA	C2-C3-C5-C6
14	q	503	CLA	C2-C3-C5-C6
14	X	513	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	aB	1220	CLA	CBD-CGD-O2D-CED
14	a5	507	CLA	CBD-CGD-O2D-CED
14	bB	1012	CLA	CBD-CGD-O2D-CED
14	X	512	CLA	CBD-CGD-O2D-CED
14	i	513	CLA	CBD-CGD-O2D-CED
14	j	506	CLA	CBD-CGD-O2D-CED
14	aB	1211	CLA	O1D-CGD-O2D-CED
14	a1	506	CLA	O1D-CGD-O2D-CED
14	a4	510	CLA	O1D-CGD-O2D-CED
14	bB	1211	CLA	O1D-CGD-O2D-CED
14	b3	503	CLA	O1D-CGD-O2D-CED
14	c1	502	CLA	O1D-CGD-O2D-CED
14	c4	519	CLA	O1D-CGD-O2D-CED
14	d	516	CLA	O1D-CGD-O2D-CED
14	h	519	CLA	O1D-CGD-O2D-CED
14	o	504	CLA	O1D-CGD-O2D-CED
14	p	502	CLA	O1D-CGD-O2D-CED
14	p	511	CLA	O1D-CGD-O2D-CED
14	aB	1218	CLA	C2A-CAA-CBA-CGA
14	aK	1103	CLA	C2A-CAA-CBA-CGA
14	bL	1502	CLA	C2A-CAA-CBA-CGA
14	b2	505	CLA	C2A-CAA-CBA-CGA
14	b4	505	CLA	C2A-CAA-CBA-CGA
14	cB	1218	CLA	C2A-CAA-CBA-CGA
14	c1	513	CLA	C2A-CAA-CBA-CGA
14	c5	504	CLA	C2A-CAA-CBA-CGA
14	T	505	CLA	C2A-CAA-CBA-CGA
14	T	505	CLA	C3-C5-C6-C7
14	U	513	CLA	C2A-CAA-CBA-CGA
14	V	505	CLA	C2A-CAA-CBA-CGA
14	X	513	CLA	C2A-CAA-CBA-CGA
14	Z	505	CLA	C2A-CAA-CBA-CGA
14	aA	1113	CLA	O1A-CGA-O2A-C1
14	cA	1110	CLA	O1A-CGA-O2A-C1
14	aA	1140	CLA	C3-C5-C6-C7
14	a3	505	CLA	C3-C5-C6-C7
14	a3	508	CLA	C3-C5-C6-C7
14	a3	510	CLA	C3-C5-C6-C7
14	bA	1011	CLA	C3-C5-C6-C7
14	bA	1115	CLA	C3-C5-C6-C7
14	bA	1129	CLA	C3-C5-C6-C7
14	bB	1205	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	bB	1238	CLA	C3-C5-C6-C7
14	b1	503	CLA	C3-C5-C6-C7
14	b3	518	CLA	C3-C5-C6-C7
14	b5	503	CLA	C3-C5-C6-C7
14	b6	510	CLA	C3-C5-C6-C7
14	cA	1115	CLA	C3-C5-C6-C7
14	cB	1218	CLA	C3-C5-C6-C7
14	c6	510	CLA	C3-C5-C6-C7
14	X	511	CLA	C3-C5-C6-C7
14	aA	1110	CLA	CBA-CGA-O2A-C1
14	aA	1119	CLA	CBA-CGA-O2A-C1
14	aA	1121	CLA	CBA-CGA-O2A-C1
14	aA	1135	CLA	CBA-CGA-O2A-C1
14	aB	1215	CLA	CBA-CGA-O2A-C1
14	a4	502	CLA	CBA-CGA-O2A-C1
14	a6	505	CLA	CBA-CGA-O2A-C1
14	bA	1117	CLA	CBA-CGA-O2A-C1
14	bA	1121	CLA	CBA-CGA-O2A-C1
14	bA	1130	CLA	CBA-CGA-O2A-C1
14	bL	1501	CLA	CBA-CGA-O2A-C1
14	b3	505	CLA	CBA-CGA-O2A-C1
14	b4	505	CLA	CBA-CGA-O2A-C1
14	b5	505	CLA	CBA-CGA-O2A-C1
14	b5	511	CLA	CBA-CGA-O2A-C1
14	cA	1120	CLA	CBA-CGA-O2A-C1
14	cA	1122	CLA	CBA-CGA-O2A-C1
14	cA	1130	CLA	CBA-CGA-O2A-C1
14	cB	1215	CLA	CBA-CGA-O2A-C1
14	c1	505	CLA	CBA-CGA-O2A-C1
14	c3	505	CLA	CBA-CGA-O2A-C1
14	c4	502	CLA	CBA-CGA-O2A-C1
14	S	505	CLA	CBA-CGA-O2A-C1
14	U	505	CLA	CBA-CGA-O2A-C1
14	V	504	CLA	CBA-CGA-O2A-C1
14	W	505	CLA	CBA-CGA-O2A-C1
14	X	502	CLA	CBA-CGA-O2A-C1
14	Y	502	CLA	CBA-CGA-O2A-C1
14	a	505	CLA	CBA-CGA-O2A-C1
14	b	505	CLA	CBA-CGA-O2A-C1
14	d	505	CLA	CBA-CGA-O2A-C1
14	g	505	CLA	CBA-CGA-O2A-C1
14	m	505	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
15	cB	2002	PQN	C11-C12-C13-C14
14	cA	1138	CLA	O1D-CGD-O2D-CED
14	a5	519	CLA	CBD-CGD-O2D-CED
19	cB	1843	LMU	O5'-C5'-C6'-O6'
14	aA	1109	CLA	O1A-CGA-O2A-C1
14	aA	1110	CLA	O1A-CGA-O2A-C1
14	aA	1117	CLA	O1A-CGA-O2A-C1
14	aA	1121	CLA	O1A-CGA-O2A-C1
14	aA	1122	CLA	O1A-CGA-O2A-C1
14	aB	1215	CLA	O1A-CGA-O2A-C1
14	bA	1109	CLA	O1A-CGA-O2A-C1
14	bA	1110	CLA	O1A-CGA-O2A-C1
14	bA	1117	CLA	O1A-CGA-O2A-C1
14	bA	1118	CLA	O1A-CGA-O2A-C1
14	bA	1119	CLA	O1A-CGA-O2A-C1
14	bA	1121	CLA	O1A-CGA-O2A-C1
14	bA	1122	CLA	O1A-CGA-O2A-C1
14	bB	1215	CLA	O1A-CGA-O2A-C1
14	b5	504	CLA	O1A-CGA-O2A-C1
14	b5	516	CLA	O1A-CGA-O2A-C1
14	cA	1109	CLA	O1A-CGA-O2A-C1
14	cA	1118	CLA	O1A-CGA-O2A-C1
14	cA	1119	CLA	O1A-CGA-O2A-C1
14	cA	1122	CLA	O1A-CGA-O2A-C1
14	cB	1215	CLA	O1A-CGA-O2A-C1
14	g	505	CLA	O1A-CGA-O2A-C1
20	a5	822	SQD	O10-C23-O48-C46
20	Z	822	SQD	O49-C7-O47-C45
20	i	822	SQD	O49-C7-O47-C45
14	S	509	CLA	O1D-CGD-O2D-CED
14	c2	513	CLA	CBA-CGA-O2A-C1
14	X	513	CLA	O1A-CGA-O2A-C1
19	cA	1848	LMU	O5'-C5'-C6'-O6'
19	bA	1849	LMU	C4'-C5'-C6'-O6'
14	aJ	1302	CLA	O1D-CGD-O2D-CED
14	aX	1401	CLA	O1D-CGD-O2D-CED
14	a3	513	CLA	O1D-CGD-O2D-CED
14	a6	510	CLA	O1D-CGD-O2D-CED
14	cA	1022	CLA	O1D-CGD-O2D-CED
14	T	512	CLA	O1D-CGD-O2D-CED
14	b	501	CLA	O1D-CGD-O2D-CED
14	j	512	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	k	502	CLA	O1D-CGD-O2D-CED
14	l	506	CLA	O1D-CGD-O2D-CED
14	aA	1118	CLA	C3-C5-C6-C7
14	aB	1012	CLA	C3-C5-C6-C7
14	a3	504	CLA	C3-C5-C6-C7
14	bB	1203	CLA	C3-C5-C6-C7
14	b6	503	CLA	C3-C5-C6-C7
14	cB	1235	CLA	C3-C5-C6-C7
14	cB	1238	CLA	C3-C5-C6-C7
14	c1	510	CLA	C3-C5-C6-C7
14	c5	510	CLA	C3-C5-C6-C7
14	q	505	CLA	C3-C5-C6-C7
14	aA	1112	CLA	CBD-CGD-O2D-CED
14	a1	502	CLA	CBD-CGD-O2D-CED
14	a6	517	CLA	CBD-CGD-O2D-CED
14	bA	1111	CLA	CBD-CGD-O2D-CED
14	bA	1112	CLA	CBD-CGD-O2D-CED
14	bA	1801	CLA	CBD-CGD-O2D-CED
14	bB	1220	CLA	CBD-CGD-O2D-CED
14	b6	505	CLA	CBD-CGD-O2D-CED
14	cA	1135	CLA	CBD-CGD-O2D-CED
14	cB	1220	CLA	CBD-CGD-O2D-CED
14	c2	501	CLA	CBD-CGD-O2D-CED
14	S	517	CLA	CBD-CGD-O2D-CED
14	T	503	CLA	CBD-CGD-O2D-CED
14	U	512	CLA	CBD-CGD-O2D-CED
14	W	517	CLA	CBD-CGD-O2D-CED
14	Z	501	CLA	CBD-CGD-O2D-CED
14	a	517	CLA	CBD-CGD-O2D-CED
14	g	507	CLA	CBD-CGD-O2D-CED
14	g	509	CLA	CBD-CGD-O2D-CED
14	i	509	CLA	CBD-CGD-O2D-CED
14	l	517	CLA	CBD-CGD-O2D-CED
14	n	509	CLA	CBD-CGD-O2D-CED
14	p	513	CLA	CBD-CGD-O2D-CED
18	aA	5002	LHG	O2-C2-C3-O3
18	aA	5003	LHG	O2-C2-C3-O3
18	bA	5003	LHG	O2-C2-C3-O3
18	cA	5002	LHG	O2-C2-C3-O3
14	aA	1131	CLA	O1D-CGD-O2D-CED
14	aB	1221	CLA	O1D-CGD-O2D-CED
14	aB	1230	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	aB	1232	CLA	O1D-CGD-O2D-CED
14	bA	1121	CLA	O1D-CGD-O2D-CED
14	bB	1230	CLA	O1D-CGD-O2D-CED
14	b3	508	CLA	O1D-CGD-O2D-CED
14	b3	513	CLA	O1D-CGD-O2D-CED
14	b6	511	CLA	O1D-CGD-O2D-CED
14	cA	1107	CLA	O1D-CGD-O2D-CED
14	cA	1801	CLA	O1D-CGD-O2D-CED
14	cB	1023	CLA	O1D-CGD-O2D-CED
14	cB	1216	CLA	O1D-CGD-O2D-CED
14	c1	511	CLA	O1D-CGD-O2D-CED
14	T	509	CLA	O1D-CGD-O2D-CED
14	U	504	CLA	O1D-CGD-O2D-CED
14	W	506	CLA	O1D-CGD-O2D-CED
14	Y	511	CLA	O1D-CGD-O2D-CED
14	e	508	CLA	O1D-CGD-O2D-CED
14	g	502	CLA	O1D-CGD-O2D-CED
14	g	508	CLA	O1D-CGD-O2D-CED
14	k	519	CLA	O1D-CGD-O2D-CED
14	m	507	CLA	O1D-CGD-O2D-CED
14	aA	1106	CLA	CBA-CGA-O2A-C1
14	aA	1109	CLA	CBA-CGA-O2A-C1
14	aA	1113	CLA	CBA-CGA-O2A-C1
14	aA	1118	CLA	CBA-CGA-O2A-C1
14	aA	1122	CLA	CBA-CGA-O2A-C1
14	aB	1214	CLA	CBA-CGA-O2A-C1
14	aL	1501	CLA	CBA-CGA-O2A-C1
14	a1	502	CLA	CBA-CGA-O2A-C1
14	a3	502	CLA	CBA-CGA-O2A-C1
14	a6	502	CLA	CBA-CGA-O2A-C1
14	bA	1106	CLA	CBA-CGA-O2A-C1
14	bA	1111	CLA	CBA-CGA-O2A-C1
14	bA	1113	CLA	CBA-CGA-O2A-C1
14	bA	1122	CLA	CBA-CGA-O2A-C1
14	bA	1134	CLA	CBA-CGA-O2A-C1
14	bA	1135	CLA	CBA-CGA-O2A-C1
14	bB	1210	CLA	CBA-CGA-O2A-C1
14	bB	1227	CLA	CBA-CGA-O2A-C1
14	b4	502	CLA	CBA-CGA-O2A-C1
14	b5	501	CLA	CBA-CGA-O2A-C1
14	b5	516	CLA	CBA-CGA-O2A-C1
14	b6	502	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	cA	1121	CLA	CBA-CGA-O2A-C1
14	cA	1134	CLA	CBA-CGA-O2A-C1
14	cA	1135	CLA	CBA-CGA-O2A-C1
14	cL	1501	CLA	CBA-CGA-O2A-C1
14	c3	504	CLA	CBA-CGA-O2A-C1
14	c5	504	CLA	CBA-CGA-O2A-C1
14	W	504	CLA	CBA-CGA-O2A-C1
14	Z	504	CLA	CBA-CGA-O2A-C1
20	a6	822	SQD	C24-C23-O48-C46
20	c5	822	SQD	C24-C23-O48-C46
19	aA	1849	LMU	O5'-C5'-C6'-O6'
14	aA	1118	CLA	O1A-CGA-O2A-C1
14	a4	502	CLA	O1A-CGA-O2A-C1
14	b5	511	CLA	O1A-CGA-O2A-C1
14	cA	1106	CLA	O1A-CGA-O2A-C1
14	cA	1117	CLA	O1A-CGA-O2A-C1
14	cA	1121	CLA	O1A-CGA-O2A-C1
14	c5	502	CLA	O1A-CGA-O2A-C1
14	c5	504	CLA	O1A-CGA-O2A-C1
14	c6	502	CLA	O1A-CGA-O2A-C1
14	W	502	CLA	O1A-CGA-O2A-C1
19	aA	1848	LMU	C4'-C5'-C6'-O6'
19	bA	1848	LMU	C4'-C5'-C6'-O6'
14	aB	1203	CLA	O1D-CGD-O2D-CED
14	a5	502	CLA	O1D-CGD-O2D-CED
14	bB	1232	CLA	O1D-CGD-O2D-CED
14	bJ	1302	CLA	O1D-CGD-O2D-CED
14	b1	508	CLA	O1D-CGD-O2D-CED
14	cB	1230	CLA	O1D-CGD-O2D-CED
14	T	517	CLA	O1D-CGD-O2D-CED
14	Z	516	CLA	O1D-CGD-O2D-CED
19	bJ	5105	LMU	O5'-C5'-C6'-O6'
14	aA	1133	CLA	CBD-CGD-O2D-CED
14	a4	502	CLA	CBD-CGD-O2D-CED
14	a4	512	CLA	CBD-CGD-O2D-CED
14	a5	504	CLA	CBD-CGD-O2D-CED
14	a5	508	CLA	CBD-CGD-O2D-CED
14	bA	1114	CLA	CBD-CGD-O2D-CED
14	bB	1214	CLA	CBD-CGD-O2D-CED
14	b3	518	CLA	CBD-CGD-O2D-CED
14	b5	507	CLA	CBD-CGD-O2D-CED
14	c6	512	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	V	508	CLA	CBD-CGD-O2D-CED
14	W	511	CLA	CBD-CGD-O2D-CED
14	X	507	CLA	CBD-CGD-O2D-CED
14	Y	518	CLA	CBD-CGD-O2D-CED
14	m	518	CLA	CBD-CGD-O2D-CED
20	a2	822	SQD	C8-C7-O47-C45
20	a4	822	SQD	C8-C7-O47-C45
20	a5	822	SQD	C8-C7-O47-C45
20	b6	822	SQD	C8-C7-O47-C45
20	c4	822	SQD	C8-C7-O47-C45
20	c6	822	SQD	C8-C7-O47-C45
20	S	822	SQD	C8-C7-O47-C45
20	W	822	SQD	C8-C7-O47-C45
20	X	822	SQD	C8-C7-O47-C45
20	c	822	SQD	C8-C7-O47-C45
20	d	822	SQD	C8-C7-O47-C45
20	e	822	SQD	C8-C7-O47-C45
20	f	822	SQD	C8-C7-O47-C45
20	h	822	SQD	C8-C7-O47-C45
20	i	822	SQD	C8-C7-O47-C45
20	p	822	SQD	C8-C7-O47-C45
14	c6	513	CLA	O1D-CGD-O2D-CED
14	a6	502	CLA	O1A-CGA-O2A-C1
14	cA	1120	CLA	O1A-CGA-O2A-C1
14	W	504	CLA	O1A-CGA-O2A-C1
14	aB	1216	CLA	O1D-CGD-O2D-CED
14	a2	518	CLA	O1D-CGD-O2D-CED
14	Y	509	CLA	O1D-CGD-O2D-CED
14	i	508	CLA	O1D-CGD-O2D-CED
14	j	517	CLA	O1D-CGD-O2D-CED
14	aA	1013	CLA	C3-C5-C6-C7
14	a2	503	CLA	C3-C5-C6-C7
14	a6	510	CLA	C3-C5-C6-C7
14	bA	1125	CLA	C3-C5-C6-C7
14	bA	1013	CLA	C3-C5-C6-C7
14	b2	502	CLA	C3-C5-C6-C7
14	cA	1013	CLA	C3-C5-C6-C7
14	cA	1125	CLA	C3-C5-C6-C7
14	cA	1138	CLA	C3-C5-C6-C7
14	c2	502	CLA	C3-C5-C6-C7
14	Z	504	CLA	C3-C5-C6-C7
14	c	510	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	aA	1128	CLA	CBD-CGD-O2D-CED
14	aA	1135	CLA	CBD-CGD-O2D-CED
14	a5	509	CLA	CBD-CGD-O2D-CED
14	b1	517	CLA	CBD-CGD-O2D-CED
14	b4	517	CLA	CBD-CGD-O2D-CED
14	b5	518	CLA	CBD-CGD-O2D-CED
14	cA	1131	CLA	CBD-CGD-O2D-CED
14	c2	517	CLA	CBD-CGD-O2D-CED
14	c5	519	CLA	CBD-CGD-O2D-CED
14	V	502	CLA	CBD-CGD-O2D-CED
14	W	518	CLA	CBD-CGD-O2D-CED
14	X	504	CLA	CBD-CGD-O2D-CED
14	b	517	CLA	CBD-CGD-O2D-CED
14	h	516	CLA	CBD-CGD-O2D-CED
14	j	513	CLA	CBD-CGD-O2D-CED
14	m	517	CLA	CBD-CGD-O2D-CED
19	bB	1843	LMU	C4'-C5'-C6'-O6'
14	a5	518	CLA	O1D-CGD-O2D-CED
14	bB	1207	CLA	O1D-CGD-O2D-CED
14	b6	502	CLA	O1D-CGD-O2D-CED
14	a	516	CLA	O1D-CGD-O2D-CED
14	d	503	CLA	O1D-CGD-O2D-CED
14	o	517	CLA	O1D-CGD-O2D-CED
14	aA	1111	CLA	CBA-CGA-O2A-C1
14	aA	1117	CLA	CBA-CGA-O2A-C1
14	bA	1109	CLA	CBA-CGA-O2A-C1
14	bA	1119	CLA	CBA-CGA-O2A-C1
14	cA	1109	CLA	CBA-CGA-O2A-C1
14	cA	1110	CLA	CBA-CGA-O2A-C1
14	cA	1117	CLA	CBA-CGA-O2A-C1
14	cA	1118	CLA	CBA-CGA-O2A-C1
14	cB	1214	CLA	CBA-CGA-O2A-C1
14	aB	1221	CLA	C4-C3-C5-C6
14	a1	518	CLA	C4-C3-C5-C6
14	a6	510	CLA	C4-C3-C5-C6
14	bB	1221	CLA	C4-C3-C5-C6
14	b5	510	CLA	C4-C3-C5-C6
14	b6	510	CLA	C4-C3-C5-C6
14	cA	1115	CLA	C4-C3-C5-C6
14	cA	1120	CLA	C4-C3-C5-C6
14	cA	1122	CLA	C4-C3-C5-C6
14	cA	1130	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	cB	1221	CLA	C4-C3-C5-C6
14	cJ	1303	CLA	C4-C3-C5-C6
14	c5	501	CLA	C4-C3-C5-C6
14	X	504	CLA	C4-C3-C5-C6
14	Z	510	CLA	C4-C3-C5-C6
14	b	510	CLA	C4-C3-C5-C6
14	d	510	CLA	C4-C3-C5-C6
14	e	510	CLA	C4-C3-C5-C6
14	aA	1115	CLA	C2-C3-C5-C6
14	aA	1120	CLA	C2-C3-C5-C6
14	aA	1122	CLA	C2-C3-C5-C6
14	aB	1221	CLA	C2-C3-C5-C6
14	bB	1221	CLA	C2-C3-C5-C6
14	b4	510	CLA	C2-C3-C5-C6
14	b5	510	CLA	C2-C3-C5-C6
14	cA	1115	CLA	C2-C3-C5-C6
14	cA	1120	CLA	C2-C3-C5-C6
14	cA	1122	CLA	C2-C3-C5-C6
14	cB	1221	CLA	C2-C3-C5-C6
14	c5	501	CLA	C2-C3-C5-C6
20	n	822	SQD	C24-C23-O48-C46
14	aA	1135	CLA	O1A-CGA-O2A-C1
14	a1	502	CLA	O1A-CGA-O2A-C1
14	a3	502	CLA	O1A-CGA-O2A-C1
14	bA	1134	CLA	O1A-CGA-O2A-C1
14	bA	1135	CLA	O1A-CGA-O2A-C1
14	bB	1227	CLA	O1A-CGA-O2A-C1
14	b5	501	CLA	O1A-CGA-O2A-C1
14	c3	504	CLA	O1A-CGA-O2A-C1
14	c4	502	CLA	O1A-CGA-O2A-C1
14	X	502	CLA	O1A-CGA-O2A-C1
14	Y	502	CLA	O1A-CGA-O2A-C1
19	aB	1843	LMU	O5B-C5B-C6B-O6B
19	aJ	5105	LMU	O5'-C5'-C6'-O6'
14	aB	1209	CLA	O1D-CGD-O2D-CED
19	cB	1843	LMU	C4'-C5'-C6'-O6'
14	a1	508	CLA	CBD-CGD-O2D-CED
14	a2	501	CLA	CBD-CGD-O2D-CED
14	cA	1111	CLA	CBD-CGD-O2D-CED
14	cB	1221	CLA	CBD-CGD-O2D-CED
14	c1	517	CLA	CBD-CGD-O2D-CED
14	c2	513	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	c5	512	CLA	CBD-CGD-O2D-CED
14	S	508	CLA	CBD-CGD-O2D-CED
14	g	516	CLA	CBD-CGD-O2D-CED
14	o	507	CLA	CBD-CGD-O2D-CED
19	bB	1843	LMU	O5'-C5'-C6'-O6'
19	cA	1849	LMU	O5'-C5'-C6'-O6'
14	a3	504	CLA	C2A-CAA-CBA-CGA
14	b3	505	CLA	C2A-CAA-CBA-CGA
14	b4	513	CLA	C2A-CAA-CBA-CGA
14	b5	505	CLA	C2A-CAA-CBA-CGA
14	cB	1206	CLA	C2A-CAA-CBA-CGA
14	S	513	CLA	C2A-CAA-CBA-CGA
14	V	512	CLA	C2A-CAA-CBA-CGA
14	Y	505	CLA	C2A-CAA-CBA-CGA
14	a	516	CLA	C2A-CAA-CBA-CGA
14	k	513	CLA	C2A-CAA-CBA-CGA
14	m	513	CLA	C2A-CAA-CBA-CGA
14	p	505	CLA	C2A-CAA-CBA-CGA
14	aA	1139	CLA	O1D-CGD-O2D-CED
14	a4	519	CLA	O1D-CGD-O2D-CED
14	bA	1108	CLA	O1D-CGD-O2D-CED
14	V	505	CLA	O1D-CGD-O2D-CED
14	V	512	CLA	O1D-CGD-O2D-CED
14	h	509	CLA	O1D-CGD-O2D-CED
14	aA	1106	CLA	O1A-CGA-O2A-C1
14	aA	1111	CLA	O1A-CGA-O2A-C1
14	aB	1214	CLA	O1A-CGA-O2A-C1
14	bA	1111	CLA	O1A-CGA-O2A-C1
14	b4	502	CLA	O1A-CGA-O2A-C1
14	b6	502	CLA	O1A-CGA-O2A-C1
14	cA	1134	CLA	O1A-CGA-O2A-C1
14	cA	1135	CLA	O1A-CGA-O2A-C1
14	c1	509	CLA	C3-C5-C6-C7
19	aA	1849	LMU	O5'-C1'-O1'-C1
19	bA	1849	LMU	O5'-C1'-O1'-C1
19	bJ	5105	LMU	O5'-C1'-O1'-C1
19	cA	1849	LMU	O5'-C1'-O1'-C1
20	c	822	SQD	O5-C1-O6-C44
14	aA	1120	CLA	CBA-CGA-O2A-C1
14	aB	1228	CLA	CBA-CGA-O2A-C1
14	a5	502	CLA	CBA-CGA-O2A-C1
14	bA	1131	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	bB	1214	CLA	CBA-CGA-O2A-C1
14	bL	1503	CLA	CBA-CGA-O2A-C1
14	b5	513	CLA	CBA-CGA-O2A-C1
14	cB	1210	CLA	CBA-CGA-O2A-C1
14	c1	502	CLA	CBA-CGA-O2A-C1
14	a	501	CLA	CBA-CGA-O2A-C1
20	a4	822	SQD	C24-C23-O48-C46
20	a5	822	SQD	C24-C23-O48-C46
14	aA	1115	CLA	CBD-CGD-O2D-CED
14	aB	1210	CLA	CBD-CGD-O2D-CED
14	aB	1218	CLA	CBD-CGD-O2D-CED
14	a1	501	CLA	CBD-CGD-O2D-CED
14	a1	505	CLA	CBD-CGD-O2D-CED
14	a2	504	CLA	CBD-CGD-O2D-CED
14	a4	507	CLA	CBD-CGD-O2D-CED
14	bA	1128	CLA	CBD-CGD-O2D-CED
14	bA	1129	CLA	CBD-CGD-O2D-CED
14	b4	518	CLA	CBD-CGD-O2D-CED
14	b4	519	CLA	CBD-CGD-O2D-CED
14	b5	503	CLA	CBD-CGD-O2D-CED
14	b5	517	CLA	CBD-CGD-O2D-CED
14	b5	519	CLA	CBD-CGD-O2D-CED
14	b6	507	CLA	CBD-CGD-O2D-CED
14	b6	516	CLA	CBD-CGD-O2D-CED
14	cA	1128	CLA	CBD-CGD-O2D-CED
14	cA	1133	CLA	CBD-CGD-O2D-CED
14	c1	509	CLA	CBD-CGD-O2D-CED
14	c3	505	CLA	CBD-CGD-O2D-CED
14	c3	511	CLA	CBD-CGD-O2D-CED
14	c6	502	CLA	CBD-CGD-O2D-CED
14	U	516	CLA	CBD-CGD-O2D-CED
14	V	517	CLA	CBD-CGD-O2D-CED
14	X	516	CLA	CBD-CGD-O2D-CED
14	Z	508	CLA	CBD-CGD-O2D-CED
14	a	505	CLA	CBD-CGD-O2D-CED
14	a	509	CLA	CBD-CGD-O2D-CED
14	b	507	CLA	CBD-CGD-O2D-CED
14	g	513	CLA	CBD-CGD-O2D-CED
14	h	505	CLA	CBD-CGD-O2D-CED
14	h	508	CLA	CBD-CGD-O2D-CED
14	i	518	CLA	CBD-CGD-O2D-CED
14	l	505	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	l	516	CLA	CBD-CGD-O2D-CED
14	m	511	CLA	CBD-CGD-O2D-CED
14	o	516	CLA	CBD-CGD-O2D-CED
14	p	508	CLA	CBD-CGD-O2D-CED
14	q	504	CLA	CBD-CGD-O2D-CED
14	q	509	CLA	CBD-CGD-O2D-CED
14	q	511	CLA	CBD-CGD-O2D-CED
14	q	519	CLA	CBD-CGD-O2D-CED
14	c2	513	CLA	O1A-CGA-O2A-C1
19	bA	1849	LMU	O5'-C5'-C6'-O6'
19	cJ	5105	LMU	O5'-C5'-C6'-O6'
14	a5	502	CLA	O1A-CGA-O2A-C1
14	bA	1106	CLA	O1A-CGA-O2A-C1
14	bB	1210	CLA	O1A-CGA-O2A-C1
14	aA	1121	CLA	O1D-CGD-O2D-CED
14	cX	1401	CLA	O1D-CGD-O2D-CED
14	c4	504	CLA	O1D-CGD-O2D-CED
19	aA	1849	LMU	C4'-C5'-C6'-O6'
19	cJ	5105	LMU	C4'-C5'-C6'-O6'
14	a4	518	CLA	CBD-CGD-O2D-CED
14	a5	512	CLA	CBD-CGD-O2D-CED
14	a6	505	CLA	CBD-CGD-O2D-CED
14	bA	1106	CLA	CBD-CGD-O2D-CED
14	bA	1137	CLA	CBD-CGD-O2D-CED
14	bB	1201	CLA	CBD-CGD-O2D-CED
14	b1	516	CLA	CBD-CGD-O2D-CED
14	U	507	CLA	CBD-CGD-O2D-CED
14	X	511	CLA	CBD-CGD-O2D-CED
14	X	517	CLA	CBD-CGD-O2D-CED
14	Y	505	CLA	CBD-CGD-O2D-CED
14	Y	512	CLA	CBD-CGD-O2D-CED
14	b	505	CLA	CBD-CGD-O2D-CED
20	b5	822	SQD	C8-C7-O47-C45
14	aA	1125	CLA	C3-C5-C6-C7
14	a2	508	CLA	C3-C5-C6-C7
14	bB	1209	CLA	O1D-CGD-O2D-CED
19	aB	1843	LMU	C4'-C5'-C6'-O6'
14	aA	1120	CLA	O1A-CGA-O2A-C1
14	bB	1214	CLA	O1A-CGA-O2A-C1
14	b2	502	CLA	O1A-CGA-O2A-C1
14	b5	513	CLA	O1A-CGA-O2A-C1
14	cB	1210	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	cB	1214	CLA	O1A-CGA-O2A-C1
18	bA	5005	LHG	C1-C2-C3-O3
14	aA	1127	CLA	CBA-CGA-O2A-C1
14	aA	1133	CLA	CBA-CGA-O2A-C1
14	aA	1134	CLA	CBA-CGA-O2A-C1
14	aB	1021	CLA	CBA-CGA-O2A-C1
14	aB	1210	CLA	CBA-CGA-O2A-C1
14	aB	1227	CLA	CBA-CGA-O2A-C1
14	a1	511	CLA	CBA-CGA-O2A-C1
14	a3	501	CLA	CBA-CGA-O2A-C1
14	a3	512	CLA	CBA-CGA-O2A-C1
14	bA	1120	CLA	CBA-CGA-O2A-C1
14	bA	1127	CLA	CBA-CGA-O2A-C1
14	bA	1133	CLA	CBA-CGA-O2A-C1
14	bB	1021	CLA	CBA-CGA-O2A-C1
14	bB	1226	CLA	CBA-CGA-O2A-C1
14	bB	1228	CLA	CBA-CGA-O2A-C1
14	b1	502	CLA	CBA-CGA-O2A-C1
14	b1	511	CLA	CBA-CGA-O2A-C1
14	b2	502	CLA	CBA-CGA-O2A-C1
14	b3	502	CLA	CBA-CGA-O2A-C1
14	b5	502	CLA	CBA-CGA-O2A-C1
14	cA	1111	CLA	CBA-CGA-O2A-C1
14	cA	1131	CLA	CBA-CGA-O2A-C1
14	cA	1133	CLA	CBA-CGA-O2A-C1
14	cB	1021	CLA	CBA-CGA-O2A-C1
14	cB	1226	CLA	CBA-CGA-O2A-C1
14	cB	1227	CLA	CBA-CGA-O2A-C1
14	cB	1228	CLA	CBA-CGA-O2A-C1
14	cJ	1303	CLA	CBA-CGA-O2A-C1
14	c1	504	CLA	CBA-CGA-O2A-C1
14	c2	502	CLA	CBA-CGA-O2A-C1
14	S	507	CLA	CBA-CGA-O2A-C1
14	T	501	CLA	CBA-CGA-O2A-C1
14	U	502	CLA	CBA-CGA-O2A-C1
14	U	504	CLA	CBA-CGA-O2A-C1
14	V	501	CLA	CBA-CGA-O2A-C1
14	V	502	CLA	CBA-CGA-O2A-C1
14	Y	501	CLA	CBA-CGA-O2A-C1
14	Z	501	CLA	CBA-CGA-O2A-C1
14	Z	502	CLA	CBA-CGA-O2A-C1
14	c	508	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	k	501	CLA	CBA-CGA-O2A-C1
14	l	502	CLA	CBA-CGA-O2A-C1
14	n	502	CLA	CBA-CGA-O2A-C1
14	q	501	CLA	CBA-CGA-O2A-C1
20	X	822	SQD	C24-C23-O48-C46
14	aA	1129	CLA	CBD-CGD-O2D-CED
14	bB	1210	CLA	CBD-CGD-O2D-CED
14	b1	505	CLA	CBD-CGD-O2D-CED
14	cA	1106	CLA	CBD-CGD-O2D-CED
14	cB	1208	CLA	CBD-CGD-O2D-CED
14	c3	517	CLA	CBD-CGD-O2D-CED
14	Y	516	CLA	CBD-CGD-O2D-CED
14	Y	517	CLA	CBD-CGD-O2D-CED
14	b	513	CLA	CBD-CGD-O2D-CED
14	f	516	CLA	CBD-CGD-O2D-CED
14	aB	1207	CLA	O1D-CGD-O2D-CED
14	a2	519	CLA	O1D-CGD-O2D-CED
14	a4	508	CLA	O1D-CGD-O2D-CED
14	bA	1022	CLA	O1D-CGD-O2D-CED
14	bB	1239	CLA	O1D-CGD-O2D-CED
14	bX	1401	CLA	O1D-CGD-O2D-CED
14	b2	507	CLA	O1D-CGD-O2D-CED
14	b2	510	CLA	O1D-CGD-O2D-CED
14	b3	510	CLA	O1D-CGD-O2D-CED
14	b6	519	CLA	O1D-CGD-O2D-CED
14	cB	1228	CLA	O1D-CGD-O2D-CED
14	W	509	CLA	O1D-CGD-O2D-CED
14	Z	511	CLA	O1D-CGD-O2D-CED
14	m	513	CLA	O1D-CGD-O2D-CED
14	c2	502	CLA	O1A-CGA-O2A-C1
14	k	501	CLA	O1A-CGA-O2A-C1
14	cB	1229	CLA	O1D-CGD-O2D-CED
14	aA	1115	CLA	C4-C3-C5-C6
14	aJ	1303	CLA	C4-C3-C5-C6
14	a4	504	CLA	C4-C3-C5-C6
14	bA	1115	CLA	C4-C3-C5-C6
14	cA	1118	CLA	C4-C3-C5-C6
14	aJ	1303	CLA	C2-C3-C5-C6
14	a1	518	CLA	C2-C3-C5-C6
14	a4	504	CLA	C2-C3-C5-C6
14	a6	510	CLA	C2-C3-C5-C6
14	bA	1115	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	b1	503	CLA	C2-C3-C5-C6
14	cA	1118	CLA	C2-C3-C5-C6
14	cJ	1303	CLA	C2-C3-C5-C6
14	c1	503	CLA	C2-C3-C5-C6
14	X	504	CLA	C2-C3-C5-C6
14	Z	510	CLA	C2-C3-C5-C6
14	d	510	CLA	C2-C3-C5-C6
14	e	510	CLA	C2-C3-C5-C6
14	o	510	CLA	C2-C3-C5-C6
14	aA	1107	CLA	C3-C5-C6-C7
14	a1	507	CLA	C3-C5-C6-C7
14	a5	510	CLA	C3-C5-C6-C7
14	W	510	CLA	C3-C5-C6-C7
14	W	518	CLA	C3-C5-C6-C7
14	b	510	CLA	C3-C5-C6-C7
14	U	513	CLA	CBD-CGD-O2D-CED
14	d	513	CLA	CBD-CGD-O2D-CED
14	aA	1022	CLA	C14-C13-C15-C16
14	aA	1106	CLA	C6-C7-C8-C9
14	aA	1122	CLA	C11-C10-C8-C9
14	aA	1134	CLA	C11-C10-C8-C9
14	aB	1203	CLA	C14-C13-C15-C16
14	aJ	1303	CLA	C6-C7-C8-C9
14	aJ	1303	CLA	C11-C10-C8-C9
14	aL	1503	CLA	C11-C10-C8-C9
14	a1	507	CLA	C6-C7-C8-C9
14	a2	509	CLA	C6-C7-C8-C9
14	a3	507	CLA	C6-C7-C8-C9
14	a3	511	CLA	C14-C13-C15-C16
14	a3	518	CLA	C6-C7-C8-C9
14	a4	502	CLA	C6-C7-C8-C9
14	a4	508	CLA	C11-C10-C8-C9
14	a4	518	CLA	C6-C7-C8-C9
14	a6	504	CLA	C6-C7-C8-C9
14	a6	509	CLA	C6-C7-C8-C9
14	bA	1116	CLA	C6-C7-C8-C9
14	bA	1022	CLA	C14-C13-C15-C16
14	bB	1203	CLA	C14-C13-C15-C16
14	b2	509	CLA	C6-C7-C8-C9
14	b3	502	CLA	C11-C10-C8-C9
14	b3	509	CLA	C6-C7-C8-C9
14	b3	511	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
14	b3	511	CLA	C14-C13-C15-C16
14	b4	502	CLA	C6-C7-C8-C9
14	b5	509	CLA	C6-C7-C8-C9
14	cA	1022	CLA	C14-C13-C15-C16
14	cA	1104	CLA	C6-C7-C8-C9
14	cA	1106	CLA	C6-C7-C8-C9
14	cA	1140	CLA	C11-C10-C8-C9
14	cB	1221	CLA	C11-C10-C8-C9
14	cJ	1303	CLA	C6-C7-C8-C9
14	c2	502	CLA	C11-C10-C8-C9
14	c2	509	CLA	C6-C7-C8-C9
14	c4	502	CLA	C6-C7-C8-C9
14	c5	509	CLA	C6-C7-C8-C9
14	T	502	CLA	C11-C10-C8-C9
14	V	502	CLA	C6-C7-C8-C9
14	V	509	CLA	C6-C7-C8-C9
14	Y	509	CLA	C6-C7-C8-C9
14	e	505	CLA	C6-C7-C8-C9
14	n	502	CLA	C6-C7-C8-C9
14	n	509	CLA	C6-C7-C8-C9
15	aA	2001	PQN	C16-C17-C18-C19
15	cA	2001	PQN	C21-C22-C23-C24
19	bB	1843	LMU	O5B-C5B-C6B-O6B
14	aB	1229	CLA	O1D-CGD-O2D-CED
14	a6	502	CLA	O1D-CGD-O2D-CED
14	bA	1132	CLA	O1D-CGD-O2D-CED
14	bA	1138	CLA	O1D-CGD-O2D-CED
14	bB	1212	CLA	O1D-CGD-O2D-CED
14	b6	518	CLA	O1D-CGD-O2D-CED
14	cA	1121	CLA	O1D-CGD-O2D-CED
14	cA	1139	CLA	O1D-CGD-O2D-CED
14	cB	1203	CLA	O1D-CGD-O2D-CED
14	cB	1207	CLA	O1D-CGD-O2D-CED
14	cB	1209	CLA	O1D-CGD-O2D-CED
14	cB	1214	CLA	O1D-CGD-O2D-CED
14	cB	1231	CLA	O1D-CGD-O2D-CED
14	c1	505	CLA	O1D-CGD-O2D-CED
14	c3	508	CLA	O1D-CGD-O2D-CED
14	c6	516	CLA	O1D-CGD-O2D-CED
14	W	501	CLA	O1D-CGD-O2D-CED
14	q	501	CLA	O1D-CGD-O2D-CED
19	aA	1849	LMU	C2'-C1'-O1'-C1

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Mol	Chain	Res	Type	Atoms
19	bA	1849	LMU	C2'-C1'-O1'-C1
19	bJ	5105	LMU	C2'-C1'-O1'-C1
19	cA	1849	LMU	C2'-C1'-O1'-C1
20	e	822	SQD	C2-C1-O6-C44
18	bA	5005	LHG	C23-C24-C25-C26
14	S	502	CLA	CBA-CGA-O2A-C1
18	cA	5003	LHG	O2-C2-C3-O3
14	b2	519	CLA	O1D-CGD-O2D-CED
14	cB	1012	CLA	O1D-CGD-O2D-CED
14	Z	503	CLA	O1D-CGD-O2D-CED
14	aB	1021	CLA	O1A-CGA-O2A-C1
14	a3	501	CLA	O1A-CGA-O2A-C1
14	bA	1120	CLA	O1A-CGA-O2A-C1
14	cA	1111	CLA	O1A-CGA-O2A-C1
14	cA	1133	CLA	O1A-CGA-O2A-C1
14	V	502	CLA	O1A-CGA-O2A-C1
20	b4	822	SQD	O10-C23-O48-C46
14	bA	1131	CLA	O1D-CGD-O2D-CED
14	cA	1237	CLA	O1D-CGD-O2D-CED
14	c	502	CLA	O1D-CGD-O2D-CED
14	e	513	CLA	O1D-CGD-O2D-CED
14	j	519	CLA	O1D-CGD-O2D-CED
14	l	507	CLA	O1D-CGD-O2D-CED
17	aA	4002	BCR	C37-C22-C23-C24
17	aA	4011	BCR	C37-C22-C23-C24
17	aB	4004	BCR	C7-C8-C9-C34
17	aI	4018	BCR	C37-C22-C23-C24
17	aI	4019	BCR	C37-C22-C23-C24
17	aK	4001	BCR	C11-C12-C13-C35
17	aM	4021	BCR	C7-C8-C9-C34
17	a1	522	BCR	C7-C8-C9-C34
17	a3	521	BCR	C7-C8-C9-C34
17	a3	523	BCR	C7-C8-C9-C34
17	bA	4002	BCR	C37-C22-C23-C24
17	bA	4003	BCR	C7-C8-C9-C34
17	bB	4004	BCR	C7-C8-C9-C34
17	bB	4004	BCR	C37-C22-C23-C24
17	bB	4009	BCR	C37-C22-C23-C24
17	b2	521	BCR	C7-C8-C9-C34
17	b3	524	BCR	C37-C22-C23-C24
17	b4	522	BCR	C7-C8-C9-C34
17	b5	521	BCR	C7-C8-C9-C34

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Mol	Chain	Res	Type	Atoms
17	b5	522	BCR	C7-C8-C9-C34
17	cA	4002	BCR	C37-C22-C23-C24
17	cA	4008	BCR	C37-C22-C23-C24
17	cB	4004	BCR	C7-C8-C9-C34
17	cB	4004	BCR	C37-C22-C23-C24
17	cB	4005	BCR	C37-C22-C23-C24
17	cF	4014	BCR	C37-C22-C23-C24
17	cI	4018	BCR	C37-C22-C23-C24
17	cK	4001	BCR	C11-C12-C13-C35
17	cM	4021	BCR	C7-C8-C9-C34
17	c1	521	BCR	C7-C8-C9-C34
17	c3	522	BCR	C7-C8-C9-C34
17	c4	521	BCR	C11-C12-C13-C35
17	U	521	BCR	C7-C8-C9-C34
17	V	522	BCR	C7-C8-C9-C34
17	W	522	BCR	C7-C8-C9-C34
17	X	521	BCR	C7-C8-C9-C34
17	X	522	BCR	C7-C8-C9-C34
17	Z	521	BCR	C7-C8-C9-C34
17	Z	522	BCR	C7-C8-C9-C34
17	Z	523	BCR	C37-C22-C23-C24
17	a	522	BCR	C7-C8-C9-C34
17	b	521	BCR	C7-C8-C9-C34
17	b	522	BCR	C11-C12-C13-C35
17	c	522	BCR	C7-C8-C9-C34
17	d	522	BCR	C7-C8-C9-C34
17	d	523	BCR	C7-C8-C9-C34
17	e	521	BCR	C7-C8-C9-C34
17	e	522	BCR	C7-C8-C9-C34
17	f	522	BCR	C7-C8-C9-C34
17	g	522	BCR	C7-C8-C9-C34
17	h	523	BCR	C37-C22-C23-C24
17	h	521	BCR	C7-C8-C9-C34
17	h	522	BCR	C7-C8-C9-C34
17	l	521	BCR	C7-C8-C9-C34
17	n	523	BCR	C37-C22-C23-C24
17	q	523	BCR	C7-C8-C9-C34
17	q	521	BCR	C7-C8-C9-C34
19	aA	1848	LMU	O5'-C5'-C6'-O6'
19	bA	1848	LMU	O5'-C5'-C6'-O6'
17	aA	4003	BCR	C7-C8-C9-C10
17	aA	4011	BCR	C21-C22-C23-C24

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Mol	Chain	Res	Type	Atoms
17	aB	4005	BCR	C21-C22-C23-C24
17	aI	4019	BCR	C21-C22-C23-C24
17	aM	4021	BCR	C21-C22-C23-C24
17	a3	523	BCR	C7-C8-C9-C10
17	bA	4003	BCR	C7-C8-C9-C10
17	bA	4008	BCR	C21-C22-C23-C24
17	bB	4005	BCR	C21-C22-C23-C24
17	bI	4019	BCR	C21-C22-C23-C24
17	b5	522	BCR	C7-C8-C9-C10
17	cA	4008	BCR	C21-C22-C23-C24
17	cB	4005	BCR	C21-C22-C23-C24
17	cI	4019	BCR	C21-C22-C23-C24
17	c2	521	BCR	C7-C8-C9-C10
17	c4	523	BCR	C7-C8-C9-C10
17	d	523	BCR	C7-C8-C9-C10
17	h	521	BCR	C7-C8-C9-C10
14	aB	1012	CLA	C2A-CAA-CBA-CGA
14	aB	1206	CLA	C2A-CAA-CBA-CGA
14	aL	1503	CLA	C2A-CAA-CBA-CGA
14	bB	1206	CLA	C2A-CAA-CBA-CGA
14	bB	1218	CLA	C2A-CAA-CBA-CGA
14	b3	516	CLA	C2A-CAA-CBA-CGA
14	c3	513	CLA	C2A-CAA-CBA-CGA
14	c5	513	CLA	C2A-CAA-CBA-CGA
14	c6	505	CLA	C2A-CAA-CBA-CGA
14	c6	513	CLA	C2A-CAA-CBA-CGA
14	T	517	CLA	C2A-CAA-CBA-CGA
14	c	503	CLA	C2A-CAA-CBA-CGA
14	j	519	CLA	C2A-CAA-CBA-CGA
14	o	512	CLA	C2A-CAA-CBA-CGA
14	q	505	CLA	C2A-CAA-CBA-CGA
14	U	517	CLA	O1D-CGD-O2D-CED
14	X	519	CLA	O1D-CGD-O2D-CED
14	Z	507	CLA	O1D-CGD-O2D-CED
14	c	511	CLA	O1D-CGD-O2D-CED
14	aA	1134	CLA	O1A-CGA-O2A-C1
14	aB	1210	CLA	O1A-CGA-O2A-C1
14	a1	511	CLA	O1A-CGA-O2A-C1
14	bA	1133	CLA	O1A-CGA-O2A-C1
14	b1	502	CLA	O1A-CGA-O2A-C1
14	b3	502	CLA	O1A-CGA-O2A-C1
14	b5	502	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	cB	1228	CLA	O1A-CGA-O2A-C1
14	cJ	1303	CLA	O1A-CGA-O2A-C1
14	T	501	CLA	O1A-CGA-O2A-C1
14	U	502	CLA	O1A-CGA-O2A-C1
14	V	501	CLA	O1A-CGA-O2A-C1
14	Z	501	CLA	O1A-CGA-O2A-C1
14	Z	502	CLA	O1A-CGA-O2A-C1
14	l	502	CLA	O1A-CGA-O2A-C1
14	n	502	CLA	O1A-CGA-O2A-C1
14	q	501	CLA	O1A-CGA-O2A-C1
14	b	505	CLA	C3-C5-C6-C7
14	a3	510	CLA	CBD-CGD-O2D-CED
14	bA	1140	CLA	CBD-CGD-O2D-CED
14	cA	1115	CLA	CBD-CGD-O2D-CED
20	a3	822	SQD	C8-C7-O47-C45
20	b1	822	SQD	C8-C7-O47-C45
20	T	822	SQD	C8-C7-O47-C45
20	b	822	SQD	C8-C7-O47-C45
14	aA	1132	CLA	O1D-CGD-O2D-CED
14	bA	1135	CLA	O1D-CGD-O2D-CED
14	aA	1131	CLA	CBA-CGA-O2A-C1
14	aB	1226	CLA	CBA-CGA-O2A-C1
14	aL	1503	CLA	CBA-CGA-O2A-C1
14	a3	511	CLA	CBA-CGA-O2A-C1
14	b2	512	CLA	CBA-CGA-O2A-C1
14	cA	1127	CLA	CBA-CGA-O2A-C1
14	c2	512	CLA	CBA-CGA-O2A-C1
14	U	508	CLA	CBA-CGA-O2A-C1
14	X	501	CLA	CBA-CGA-O2A-C1
20	a3	822	SQD	C24-C23-O48-C46
14	cB	1218	CLA	C5-C6-C7-C8
20	cB	1852	SQD	C23-C24-C25-C26
14	Z	504	CLA	C2-C1-O2A-CGA
20	n	822	SQD	O10-C23-O48-C46
14	aB	1212	CLA	O1D-CGD-O2D-CED
14	a1	517	CLA	O1D-CGD-O2D-CED
14	a6	513	CLA	O1D-CGD-O2D-CED
14	cA	1132	CLA	O1D-CGD-O2D-CED
14	c1	504	CLA	O1D-CGD-O2D-CED
14	c3	519	CLA	O1D-CGD-O2D-CED
14	c5	507	CLA	O1D-CGD-O2D-CED
14	U	508	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	V	509	CLA	O1D-CGD-O2D-CED
14	c	513	CLA	O1D-CGD-O2D-CED
14	c	517	CLA	O1D-CGD-O2D-CED
14	f	509	CLA	O1D-CGD-O2D-CED
19	aJ	5105	LMU	C4'-C5'-C6'-O6'
14	a3	512	CLA	CBD-CGD-O2D-CED
14	a3	517	CLA	CBD-CGD-O2D-CED
14	aA	1140	CLA	C15-C16-C17-C18
14	a2	509	CLA	C8-C10-C11-C12
14	a3	511	CLA	C5-C6-C7-C8
14	b5	505	CLA	C8-C10-C11-C12
14	b6	502	CLA	C5-C6-C7-C8
14	b6	505	CLA	C8-C10-C11-C12
14	cA	1133	CLA	C8-C10-C11-C12
14	c4	505	CLA	C5-C6-C7-C8
14	W	505	CLA	C8-C10-C11-C12
14	Z	505	CLA	C15-C16-C17-C18
15	bA	2001	PQN	C20-C21-C22-C23
14	cA	1011	CLA	C3-C5-C6-C7
14	aB	1239	CLA	O1D-CGD-O2D-CED
14	bA	1120	CLA	O1D-CGD-O2D-CED
14	c1	501	CLA	O1D-CGD-O2D-CED
14	c6	509	CLA	O1D-CGD-O2D-CED
14	Z	517	CLA	O1D-CGD-O2D-CED
14	aB	1227	CLA	O1A-CGA-O2A-C1
14	bB	1021	CLA	O1A-CGA-O2A-C1
14	cB	1210	CLA	C10-C11-C12-C13
14	c1	505	CLA	C8-C10-C11-C12
14	a	505	CLA	C8-C10-C11-C12
14	aA	1106	CLA	CBD-CGD-O2D-CED
14	a3	507	CLA	CBD-CGD-O2D-CED
14	cB	1217	CLA	CBD-CGD-O2D-CED
14	a	512	CLA	CBD-CGD-O2D-CED
14	n	504	CLA	CBD-CGD-O2D-CED
21	b1	5104	LMG	O6-C5-C6-O5
14	aB	1203	CLA	C11-C10-C8-C7
14	aB	1214	CLA	C12-C13-C15-C16
14	bB	1203	CLA	C11-C10-C8-C7
14	bB	1214	CLA	C12-C13-C15-C16
14	c4	508	CLA	C11-C10-C8-C7
14	Y	503	CLA	C12-C13-C15-C16
14	a	503	CLA	C6-C7-C8-C10

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Mol	Chain	Res	Type	Atoms
14	bB	1216	CLA	O1D-CGD-O2D-CED
14	a3	504	CLA	CBA-CGA-O2A-C1
14	b2	519	CLA	CBA-CGA-O2A-C1
14	b6	508	CLA	CBA-CGA-O2A-C1
14	c3	512	CLA	CBA-CGA-O2A-C1
14	c5	501	CLA	CBA-CGA-O2A-C1
20	c4	822	SQD	C24-C23-O48-C46
14	b1	505	CLA	C4-C3-C5-C6
14	b6	503	CLA	C4-C3-C5-C6
14	c1	518	CLA	C4-C3-C5-C6
14	Z	501	CLA	C4-C3-C5-C6
14	g	505	CLA	C4-C3-C5-C6
14	cA	1123	CLA	C13-C15-C16-C17
14	X	502	CLA	C10-C11-C12-C13
19	aB	1843	LMU	C4B-C5B-C6B-O6B
14	cB	1212	CLA	O1D-CGD-O2D-CED
14	c	519	CLA	O1D-CGD-O2D-CED
18	aA	5005	LHG	C23-C24-C25-C26
14	aA	1111	CLA	O1D-CGD-O2D-CED
14	bB	1228	CLA	O1D-CGD-O2D-CED
14	bB	1229	CLA	O1D-CGD-O2D-CED
14	cB	1211	CLA	O1D-CGD-O2D-CED
14	aA	1130	CLA	C3-C5-C6-C7
14	aB	1229	CLA	C3-C5-C6-C7
14	a3	502	CLA	C3-C5-C6-C7
14	bB	1229	CLA	C3-C5-C6-C7
14	cB	1203	CLA	C3-C5-C6-C7
14	cB	1229	CLA	C3-C5-C6-C7
14	aA	1137	CLA	C5-C6-C7-C8
14	aB	1202	CLA	C15-C16-C17-C18
14	aB	1214	CLA	C8-C10-C11-C12
14	a1	505	CLA	C8-C10-C11-C12
14	a5	508	CLA	C5-C6-C7-C8
14	b5	501	CLA	C13-C15-C16-C17
14	cB	1203	CLA	C10-C11-C12-C13
14	X	510	CLA	C5-C6-C7-C8
18	aA	5003	LHG	C23-C24-C25-C26
18	cA	5005	LHG	C23-C24-C25-C26
20	c2	822	SQD	C7-C8-C9-C10
14	aA	1127	CLA	O1A-CGA-O2A-C1
14	aA	1133	CLA	O1A-CGA-O2A-C1
14	a3	512	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	bA	1127	CLA	O1A-CGA-O2A-C1
14	cA	1131	CLA	O1A-CGA-O2A-C1
14	cB	1226	CLA	O1A-CGA-O2A-C1
14	Y	501	CLA	O1A-CGA-O2A-C1
14	a2	508	CLA	CBD-CGD-O2D-CED
14	a3	504	CLA	CBD-CGD-O2D-CED
14	a5	516	CLA	CBD-CGD-O2D-CED
14	b3	505	CLA	CBD-CGD-O2D-CED
14	b5	512	CLA	CBD-CGD-O2D-CED
14	cB	1201	CLA	CBD-CGD-O2D-CED
14	c5	509	CLA	CBD-CGD-O2D-CED
20	V	822	SQD	C8-C7-O47-C45
14	aA	1113	CLA	O1D-CGD-O2D-CED
14	a5	501	CLA	O1D-CGD-O2D-CED
14	bB	1218	CLA	O1D-CGD-O2D-CED
14	cB	1239	CLA	O1D-CGD-O2D-CED
14	b	502	CLA	O1D-CGD-O2D-CED
14	b1	512	CLA	CBA-CGA-O2A-C1
14	aB	1023	CLA	C10-C11-C12-C13
14	a1	502	CLA	C5-C6-C7-C8
14	a6	502	CLA	C5-C6-C7-C8
14	bA	1106	CLA	C5-C6-C7-C8
14	bA	1109	CLA	C15-C16-C17-C18
14	bA	1125	CLA	C10-C11-C12-C13
14	bA	1137	CLA	C5-C6-C7-C8
14	b1	511	CLA	C5-C6-C7-C8
14	b2	502	CLA	C10-C11-C12-C13
14	b2	505	CLA	C8-C10-C11-C12
14	b2	505	CLA	C15-C16-C17-C18
14	b3	505	CLA	C8-C10-C11-C12
14	cB	1214	CLA	C8-C10-C11-C12
14	cL	1503	CLA	C10-C11-C12-C13
14	c1	502	CLA	C8-C10-C11-C12
14	c3	501	CLA	C13-C15-C16-C17
14	Z	505	CLA	C8-C10-C11-C12
14	e	505	CLA	C8-C10-C11-C12
14	n	505	CLA	C8-C10-C11-C12
15	bA	2001	PQN	C25-C26-C27-C28
19	aB	1843	LMU	O5'-C5'-C6'-O6'
19	bJ	5105	LMU	C4'-C5'-C6'-O6'
14	aA	1111	CLA	C2A-CAA-CBA-CGA
14	aB	1238	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	aL	1502	CLA	C2A-CAA-CBA-CGA
14	a1	505	CLA	C2A-CAA-CBA-CGA
14	a2	505	CLA	C2A-CAA-CBA-CGA
14	a3	517	CLA	C2A-CAA-CBA-CGA
14	a5	504	CLA	C3-C5-C6-C7
14	a5	505	CLA	C2A-CAA-CBA-CGA
14	a5	517	CLA	C2A-CAA-CBA-CGA
14	bA	1111	CLA	C2A-CAA-CBA-CGA
14	bB	1238	CLA	C2A-CAA-CBA-CGA
14	bK	1103	CLA	C2A-CAA-CBA-CGA
14	bL	1503	CLA	C2A-CAA-CBA-CGA
14	b1	505	CLA	C2A-CAA-CBA-CGA
14	b3	504	CLA	C2A-CAA-CBA-CGA
14	b5	511	CLA	C2A-CAA-CBA-CGA
14	b6	504	CLA	C2A-CAA-CBA-CGA
14	b6	505	CLA	C2A-CAA-CBA-CGA
14	cA	1111	CLA	C2A-CAA-CBA-CGA
14	cA	1119	CLA	C2A-CAA-CBA-CGA
14	cA	1130	CLA	C3-C5-C6-C7
14	cB	1012	CLA	C2A-CAA-CBA-CGA
14	cB	1214	CLA	C2A-CAA-CBA-CGA
14	cB	1238	CLA	C2A-CAA-CBA-CGA
14	cK	1103	CLA	C2A-CAA-CBA-CGA
14	cL	1502	CLA	C2A-CAA-CBA-CGA
14	cL	1503	CLA	C2A-CAA-CBA-CGA
14	c2	505	CLA	C2A-CAA-CBA-CGA
14	c2	516	CLA	C2A-CAA-CBA-CGA
14	c3	504	CLA	C2A-CAA-CBA-CGA
14	c3	505	CLA	C2A-CAA-CBA-CGA
14	c3	517	CLA	C2A-CAA-CBA-CGA
14	c5	505	CLA	C2A-CAA-CBA-CGA
14	c5	516	CLA	C2A-CAA-CBA-CGA
14	c6	504	CLA	C2A-CAA-CBA-CGA
14	c6	511	CLA	C2A-CAA-CBA-CGA
14	T	513	CLA	C2A-CAA-CBA-CGA
14	U	504	CLA	C2A-CAA-CBA-CGA
14	U	505	CLA	C2A-CAA-CBA-CGA
14	U	517	CLA	C2A-CAA-CBA-CGA
14	W	505	CLA	C2A-CAA-CBA-CGA
14	X	505	CLA	C2A-CAA-CBA-CGA
14	Y	517	CLA	C2A-CAA-CBA-CGA
14	Z	513	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	a	504	CLA	C2A-CAA-CBA-CGA
14	a	505	CLA	C2A-CAA-CBA-CGA
14	c	513	CLA	C2A-CAA-CBA-CGA
14	c	519	CLA	C2A-CAA-CBA-CGA
14	d	505	CLA	C2A-CAA-CBA-CGA
14	e	505	CLA	C2A-CAA-CBA-CGA
14	e	511	CLA	C2A-CAA-CBA-CGA
14	e	513	CLA	C2A-CAA-CBA-CGA
14	f	503	CLA	C2A-CAA-CBA-CGA
14	f	516	CLA	C2A-CAA-CBA-CGA
14	g	507	CLA	C2A-CAA-CBA-CGA
14	i	513	CLA	C2A-CAA-CBA-CGA
14	j	505	CLA	C2A-CAA-CBA-CGA
14	j	516	CLA	C2A-CAA-CBA-CGA
14	k	516	CLA	C2A-CAA-CBA-CGA
14	l	505	CLA	C2A-CAA-CBA-CGA
14	m	511	CLA	C2A-CAA-CBA-CGA
14	n	505	CLA	C2A-CAA-CBA-CGA
14	n	513	CLA	C2A-CAA-CBA-CGA
14	o	505	CLA	C2A-CAA-CBA-CGA
14	q	516	CLA	C2A-CAA-CBA-CGA
14	b5	509	CLA	O1D-CGD-O2D-CED
14	aA	1106	CLA	C5-C6-C7-C8
14	aA	1106	CLA	C10-C11-C12-C13
14	aA	1109	CLA	C15-C16-C17-C18
14	aA	1126	CLA	C8-C10-C11-C12
14	aA	1126	CLA	C13-C15-C16-C17
14	aB	1203	CLA	C10-C11-C12-C13
14	a4	501	CLA	C13-C15-C16-C17
14	a5	505	CLA	C8-C10-C11-C12
14	bA	1106	CLA	C10-C11-C12-C13
14	bA	1127	CLA	C5-C6-C7-C8
14	bB	1021	CLA	C13-C15-C16-C17
14	bB	1203	CLA	C10-C11-C12-C13
14	b1	505	CLA	C8-C10-C11-C12
14	b2	510	CLA	C15-C16-C17-C18
14	b3	501	CLA	C13-C15-C16-C17
14	b4	509	CLA	C10-C11-C12-C13
14	cA	1101	CLA	C10-C11-C12-C13
14	cB	1023	CLA	C10-C11-C12-C13
14	c3	502	CLA	C5-C6-C7-C8
14	c6	503	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
14	V	509	CLA	C8-C10-C11-C12
14	Y	502	CLA	C5-C6-C7-C8
14	e	505	CLA	C5-C6-C7-C8
18	bX	4021	LHG	C23-C24-C25-C26
18	cX	4021	LHG	C23-C24-C25-C26
20	aB	1852	SQD	C23-C24-C25-C26
21	bJ	5104	LMG	C10-C11-C12-C13
21	cJ	5104	LMG	C28-C29-C30-C31
14	b2	517	CLA	O1D-CGD-O2D-CED
14	e	517	CLA	O1D-CGD-O2D-CED
14	k	505	CLA	O1D-CGD-O2D-CED
14	bB	1226	CLA	O1A-CGA-O2A-C1
14	bB	1228	CLA	O1A-CGA-O2A-C1
14	b1	511	CLA	O1A-CGA-O2A-C1
14	cB	1021	CLA	O1A-CGA-O2A-C1
14	c1	502	CLA	O1A-CGA-O2A-C1
14	aA	1138	CLA	C3-C5-C6-C7
14	a1	502	CLA	C3-C5-C6-C7
14	bB	1207	CLA	C3-C5-C6-C7
14	cA	1123	CLA	C3-C5-C6-C7
14	o	510	CLA	C3-C5-C6-C7
20	Z	822	SQD	O5-C1-O6-C44
14	b4	504	CLA	O1D-CGD-O2D-CED
14	q	512	CLA	O1D-CGD-O2D-CED
14	aA	1101	CLA	C10-C11-C12-C13
14	aA	1106	CLA	C8-C10-C11-C12
14	aA	1125	CLA	C10-C11-C12-C13
14	aA	1138	CLA	C5-C6-C7-C8
14	aB	1021	CLA	C13-C15-C16-C17
14	aB	1210	CLA	C10-C11-C12-C13
14	a1	516	CLA	C5-C6-C7-C8
14	a2	505	CLA	C8-C10-C11-C12
14	a3	501	CLA	C13-C15-C16-C17
14	a3	505	CLA	C8-C10-C11-C12
14	a6	505	CLA	C8-C10-C11-C12
14	bA	1101	CLA	C8-C10-C11-C12
14	bA	1126	CLA	C8-C10-C11-C12
14	bB	1202	CLA	C15-C16-C17-C18
14	bB	1231	CLA	C5-C6-C7-C8
14	b1	501	CLA	C13-C15-C16-C17
14	b1	502	CLA	C5-C6-C7-C8
14	b4	502	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	b5	510	CLA	C5-C6-C7-C8
14	b6	503	CLA	C10-C11-C12-C13
14	b6	504	CLA	C5-C6-C7-C8
14	b6	509	CLA	C15-C16-C17-C18
14	cA	1109	CLA	C15-C16-C17-C18
14	cA	1126	CLA	C8-C10-C11-C12
14	cB	1021	CLA	C13-C15-C16-C17
14	cB	1021	CLA	C15-C16-C17-C18
14	cB	1202	CLA	C15-C16-C17-C18
14	c3	502	CLA	C10-C11-C12-C13
14	c3	505	CLA	C8-C10-C11-C12
14	c4	502	CLA	C5-C6-C7-C8
14	c4	509	CLA	C10-C11-C12-C13
14	c5	502	CLA	C10-C11-C12-C13
14	c5	509	CLA	C8-C10-C11-C12
14	c6	505	CLA	C8-C10-C11-C12
14	V	505	CLA	C5-C6-C7-C8
14	W	502	CLA	C5-C6-C7-C8
14	Y	505	CLA	C8-C10-C11-C12
14	Z	509	CLA	C15-C16-C17-C18
15	aB	2002	PQN	C25-C26-C27-C28
15	bB	2002	PQN	C25-C26-C27-C28
15	cA	2001	PQN	C25-C26-C27-C28
15	cB	2002	PQN	C25-C26-C27-C28
14	aB	1012	CLA	O1D-CGD-O2D-CED
14	b2	501	CLA	O1D-CGD-O2D-CED
14	b2	501	CLA	CBA-CGA-O2A-C1
14	b3	504	CLA	CBA-CGA-O2A-C1
14	X	504	CLA	CBA-CGA-O2A-C1
14	k	517	CLA	CBD-CGD-O2D-CED
14	aB	1228	CLA	O1A-CGA-O2A-C1
14	bA	1131	CLA	O1A-CGA-O2A-C1
14	bL	1503	CLA	O1A-CGA-O2A-C1
14	cB	1227	CLA	O1A-CGA-O2A-C1
14	c1	504	CLA	O1A-CGA-O2A-C1
14	S	507	CLA	O1A-CGA-O2A-C1
14	U	504	CLA	O1A-CGA-O2A-C1
14	a	501	CLA	O1A-CGA-O2A-C1
14	c	508	CLA	O1A-CGA-O2A-C1
14	aA	1104	CLA	C10-C11-C12-C13
14	aA	1133	CLA	C8-C10-C11-C12
14	a1	504	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	a3	502	CLA	C5-C6-C7-C8
14	a6	501	CLA	C13-C15-C16-C17
14	b2	501	CLA	C13-C15-C16-C17
14	X	505	CLA	C8-C10-C11-C12
14	Z	501	CLA	C13-C15-C16-C17
15	cB	2002	PQN	C20-C21-C22-C23
14	a4	501	CLA	O1D-CGD-O2D-CED
14	X	512	CLA	O1D-CGD-O2D-CED
14	p	513	CLA	O1D-CGD-O2D-CED
14	l	508	CLA	CBA-CGA-O2A-C1
14	o	501	CLA	CBA-CGA-O2A-C1
14	Y	510	CLA	C3-C5-C6-C7
14	aB	1220	CLA	O1D-CGD-O2D-CED
14	a1	502	CLA	O1D-CGD-O2D-CED
14	a5	507	CLA	O1D-CGD-O2D-CED
14	a5	519	CLA	O1D-CGD-O2D-CED
14	bB	1012	CLA	O1D-CGD-O2D-CED
14	cB	1218	CLA	O1D-CGD-O2D-CED
14	c3	501	CLA	O1D-CGD-O2D-CED
14	W	517	CLA	O1D-CGD-O2D-CED
14	i	513	CLA	O1D-CGD-O2D-CED
14	j	506	CLA	O1D-CGD-O2D-CED
14	l	517	CLA	O1D-CGD-O2D-CED
14	aB	1021	CLA	C15-C16-C17-C18
14	aB	1203	CLA	C13-C15-C16-C17
14	aB	1210	CLA	C15-C16-C17-C18
14	bA	1123	CLA	C5-C6-C7-C8
14	bA	1132	CLA	C5-C6-C7-C8
14	bB	1023	CLA	C10-C11-C12-C13
14	bL	1503	CLA	C10-C11-C12-C13
14	b2	507	CLA	C10-C11-C12-C13
14	cA	1125	CLA	C10-C11-C12-C13
14	cB	1231	CLA	C5-C6-C7-C8
14	c5	501	CLA	C13-C15-C16-C17
14	c5	505	CLA	C8-C10-C11-C12
14	q	509	CLA	C8-C10-C11-C12
15	aA	2001	PQN	C25-C26-C27-C28
14	aB	1201	CLA	CBD-CGD-O2D-CED
14	c2	505	CLA	CBD-CGD-O2D-CED
14	S	507	CLA	CBD-CGD-O2D-CED
14	V	519	CLA	CBD-CGD-O2D-CED
14	cA	1127	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	a6	517	CLA	O1D-CGD-O2D-CED
14	bA	1111	CLA	O1D-CGD-O2D-CED
14	bA	1801	CLA	O1D-CGD-O2D-CED
14	bB	1220	CLA	O1D-CGD-O2D-CED
14	b6	505	CLA	O1D-CGD-O2D-CED
14	S	517	CLA	O1D-CGD-O2D-CED
14	U	512	CLA	O1D-CGD-O2D-CED
14	a	517	CLA	O1D-CGD-O2D-CED
14	g	507	CLA	O1D-CGD-O2D-CED
14	i	507	CLA	O1D-CGD-O2D-CED
14	n	509	CLA	O1D-CGD-O2D-CED
14	q	507	CLA	O1D-CGD-O2D-CED
14	aB	1218	CLA	C5-C6-C7-C8
14	bA	1106	CLA	C8-C10-C11-C12
14	b3	505	CLA	C15-C16-C17-C18
14	cA	1104	CLA	C10-C11-C12-C13
14	cA	1122	CLA	C5-C6-C7-C8
14	cB	1210	CLA	C15-C16-C17-C18
14	W	505	CLA	C15-C16-C17-C18
14	bA	1129	CLA	CBA-CGA-O2A-C1
14	b4	501	CLA	CBA-CGA-O2A-C1
14	b6	501	CLA	CBA-CGA-O2A-C1
14	b6	513	CLA	CBA-CGA-O2A-C1
14	c1	501	CLA	CBA-CGA-O2A-C1
14	c1	512	CLA	CBA-CGA-O2A-C1
14	b	504	CLA	CBA-CGA-O2A-C1
14	bA	1105	CLA	CBD-CGD-O2D-CED
14	b2	505	CLA	CBD-CGD-O2D-CED
14	cA	1105	CLA	CBD-CGD-O2D-CED
14	S	505	CLA	CBD-CGD-O2D-CED
14	Z	505	CLA	CBD-CGD-O2D-CED
14	d	502	CLA	CBD-CGD-O2D-CED
20	a1	822	SQD	C8-C7-O47-C45
20	b3	822	SQD	C8-C7-O47-C45
20	m	822	SQD	C8-C7-O47-C45
20	n	822	SQD	C8-C7-O47-C45
14	aA	1131	CLA	O1A-CGA-O2A-C1
14	aB	1226	CLA	O1A-CGA-O2A-C1
14	aL	1503	CLA	O1A-CGA-O2A-C1
14	a3	511	CLA	O1A-CGA-O2A-C1
14	c2	512	CLA	O1A-CGA-O2A-C1
14	c3	512	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	X	501	CLA	O1A-CGA-O2A-C1
14	cB	1220	CLA	O1D-CGD-O2D-CED
14	T	503	CLA	O1D-CGD-O2D-CED
14	i	509	CLA	O1D-CGD-O2D-CED
14	aB	1202	CLA	C13-C15-C16-C17
14	a1	501	CLA	C15-C16-C17-C18
14	a3	501	CLA	C15-C16-C17-C18
14	cA	1106	CLA	C10-C11-C12-C13
14	c4	501	CLA	C15-C16-C17-C18
15	bB	2002	PQN	C20-C21-C22-C23
14	a2	502	CLA	C3-C5-C6-C7
14	Z	502	CLA	C3-C5-C6-C7
14	V	508	CLA	O1D-CGD-O2D-CED
14	a6	504	CLA	C13-C15-C16-C17
14	b3	511	CLA	C13-C15-C16-C17
17	a2	522	BCR	C9-C10-C11-C12
14	aA	1122	CLA	C5-C6-C7-C8
14	bB	1218	CLA	C5-C6-C7-C8
14	d	505	CLA	C10-C11-C12-C13
14	a3	504	CLA	O1A-CGA-O2A-C1
14	aA	1013	CLA	C2A-CAA-CBA-CGA
14	aA	1237	CLA	C2A-CAA-CBA-CGA
14	a4	516	CLA	C2A-CAA-CBA-CGA
14	a6	505	CLA	C2A-CAA-CBA-CGA
14	bB	1012	CLA	C2A-CAA-CBA-CGA
14	b3	513	CLA	C2A-CAA-CBA-CGA
14	b5	504	CLA	C2A-CAA-CBA-CGA
14	cB	1213	CLA	C2A-CAA-CBA-CGA
14	h	513	CLA	C2A-CAA-CBA-CGA
14	m	502	CLA	C2A-CAA-CBA-CGA
14	n	504	CLA	C2A-CAA-CBA-CGA
14	o	504	CLA	C2A-CAA-CBA-CGA
14	g	509	CLA	O1D-CGD-O2D-CED
14	aB	1216	CLA	CBA-CGA-O2A-C1
14	aB	1234	CLA	CBA-CGA-O2A-C1
14	a2	503	CLA	CBA-CGA-O2A-C1
14	a2	512	CLA	CBA-CGA-O2A-C1
14	a5	513	CLA	CBA-CGA-O2A-C1
14	bB	1234	CLA	CBA-CGA-O2A-C1
14	b2	513	CLA	CBA-CGA-O2A-C1
14	b4	504	CLA	CBA-CGA-O2A-C1
14	cB	1230	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	cL	1503	CLA	CBA-CGA-O2A-C1
14	c2	519	CLA	CBA-CGA-O2A-C1
14	c3	502	CLA	CBA-CGA-O2A-C1
14	c4	508	CLA	CBA-CGA-O2A-C1
14	c5	512	CLA	CBA-CGA-O2A-C1
14	T	502	CLA	CBA-CGA-O2A-C1
14	c	501	CLA	CBA-CGA-O2A-C1
14	m	513	CLA	CBA-CGA-O2A-C1
20	c3	822	SQD	C24-C23-O48-C46
14	aA	1022	CLA	C10-C11-C12-C13
14	aA	1123	CLA	C13-C15-C16-C17
14	a2	502	CLA	C10-C11-C12-C13
14	a3	510	CLA	C5-C6-C7-C8
14	bA	1123	CLA	C13-C15-C16-C17
14	bA	1123	CLA	C15-C16-C17-C18
14	bA	1126	CLA	C13-C15-C16-C17
14	bA	1133	CLA	C8-C10-C11-C12
14	bA	1140	CLA	C15-C16-C17-C18
14	bA	1013	CLA	C15-C16-C17-C18
14	bB	1210	CLA	C10-C11-C12-C13
14	bB	1219	CLA	C5-C6-C7-C8
14	b3	511	CLA	C5-C6-C7-C8
14	cA	1106	CLA	C8-C10-C11-C12
14	cA	1137	CLA	C5-C6-C7-C8
14	cB	1012	CLA	C5-C6-C7-C8
14	cB	1214	CLA	C5-C6-C7-C8
14	cB	1224	CLA	C8-C10-C11-C12
14	c3	501	CLA	C15-C16-C17-C18
14	c4	503	CLA	C5-C6-C7-C8
14	c4	503	CLA	C8-C10-C11-C12
14	c5	501	CLA	C5-C6-C7-C8
14	c5	509	CLA	C10-C11-C12-C13
14	c6	502	CLA	C5-C6-C7-C8
14	c6	509	CLA	C13-C15-C16-C17
14	W	510	CLA	C15-C16-C17-C18
14	c	509	CLA	C10-C11-C12-C13
14	h	509	CLA	C15-C16-C17-C18
14	j	510	CLA	C5-C6-C7-C8
14	l	502	CLA	C5-C6-C7-C8
14	n	509	CLA	C5-C6-C7-C8
15	aB	2002	PQN	C20-C21-C22-C23
15	bB	2002	PQN	C18-C20-C21-C22

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Mol	Chain	Res	Type	Atoms
15	cB	2002	PQN	C18-C20-C21-C22
14	c2	509	CLA	CBD-CGD-O2D-CED
14	c4	501	CLA	CBD-CGD-O2D-CED
14	U	505	CLA	CBD-CGD-O2D-CED
14	cA	1107	CLA	C3-C5-C6-C7
14	a4	502	CLA	O1D-CGD-O2D-CED
14	a5	508	CLA	O1D-CGD-O2D-CED
14	bA	1112	CLA	O1D-CGD-O2D-CED
14	cA	1135	CLA	O1D-CGD-O2D-CED
14	c2	501	CLA	O1D-CGD-O2D-CED
14	c6	512	CLA	O1D-CGD-O2D-CED
14	W	511	CLA	O1D-CGD-O2D-CED
14	aA	1123	CLA	C15-C16-C17-C18
14	aB	1217	CLA	C5-C6-C7-C8
14	aB	1219	CLA	C5-C6-C7-C8
14	a3	502	CLA	C10-C11-C12-C13
14	bA	1138	CLA	C5-C6-C7-C8
14	cA	1123	CLA	C15-C16-C17-C18
14	cA	1126	CLA	C13-C15-C16-C17
14	cB	1217	CLA	C5-C6-C7-C8
14	c3	505	CLA	C15-C16-C17-C18
14	c5	501	CLA	C15-C16-C17-C18
14	V	510	CLA	C5-C6-C7-C8
15	aA	2001	PQN	C20-C21-C22-C23
15	cA	2001	PQN	C20-C21-C22-C23
14	aA	1112	CLA	O1D-CGD-O2D-CED
14	bA	1114	CLA	O1D-CGD-O2D-CED
14	bB	1214	CLA	O1D-CGD-O2D-CED
14	Y	518	CLA	O1D-CGD-O2D-CED
14	Z	501	CLA	O1D-CGD-O2D-CED
14	aA	1115	CLA	C5-C6-C7-C8
14	aA	1013	CLA	C15-C16-C17-C18
14	aB	1012	CLA	C5-C6-C7-C8
14	aB	1023	CLA	C15-C16-C17-C18
14	a1	502	CLA	C10-C11-C12-C13
14	a2	501	CLA	C13-C15-C16-C17
14	a3	504	CLA	C5-C6-C7-C8
14	a3	509	CLA	C15-C16-C17-C18
14	a4	503	CLA	C15-C16-C17-C18
14	a4	508	CLA	C15-C16-C17-C18
14	bA	1104	CLA	C10-C11-C12-C13
14	bA	1115	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	bA	1126	CLA	C10-C11-C12-C13
14	bA	1022	CLA	C10-C11-C12-C13
14	bB	1012	CLA	C5-C6-C7-C8
14	bB	1202	CLA	C13-C15-C16-C17
14	bB	1214	CLA	C13-C15-C16-C17
14	b3	510	CLA	C5-C6-C7-C8
14	b4	501	CLA	C13-C15-C16-C17
14	b4	510	CLA	C5-C6-C7-C8
14	cA	1115	CLA	C5-C6-C7-C8
14	cA	1126	CLA	C10-C11-C12-C13
14	c3	509	CLA	C15-C16-C17-C18
14	c5	510	CLA	C5-C6-C7-C8
14	X	507	CLA	O1D-CGD-O2D-CED
14	aB	1208	CLA	CBA-CGA-O2A-C1
14	a2	502	CLA	CBA-CGA-O2A-C1
14	bB	1208	CLA	CBA-CGA-O2A-C1
14	bB	1216	CLA	CBA-CGA-O2A-C1
14	b3	512	CLA	CBA-CGA-O2A-C1
14	cA	1125	CLA	CBA-CGA-O2A-C1
14	c3	511	CLA	CBA-CGA-O2A-C1
14	bB	1224	CLA	C8-C10-C11-C12
14	c6	507	CLA	C8-C10-C11-C12
14	a2	510	CLA	C4-C3-C5-C6
14	a3	519	CLA	C4-C3-C5-C6
14	a5	505	CLA	C4-C3-C5-C6
14	a5	510	CLA	C4-C3-C5-C6
14	bB	1230	CLA	C4-C3-C5-C6
14	b1	510	CLA	C4-C3-C5-C6
14	cB	1230	CLA	C4-C3-C5-C6
14	c5	503	CLA	C4-C3-C5-C6
14	X	505	CLA	C4-C3-C5-C6
14	Y	510	CLA	C4-C3-C5-C6
14	a	518	CLA	C4-C3-C5-C6
14	h	510	CLA	C4-C3-C5-C6
14	cA	1130	CLA	C2-C3-C5-C6
14	b	510	CLA	C2-C3-C5-C6
14	aA	1128	CLA	O1D-CGD-O2D-CED
14	aA	1133	CLA	O1D-CGD-O2D-CED
14	a4	512	CLA	O1D-CGD-O2D-CED
14	a5	504	CLA	O1D-CGD-O2D-CED
14	b5	518	CLA	O1D-CGD-O2D-CED
14	aA	1126	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
14	a4	510	CLA	C5-C6-C7-C8
14	bB	1217	CLA	C5-C6-C7-C8
14	b1	505	CLA	C15-C16-C17-C18
14	cA	1138	CLA	C5-C6-C7-C8
14	S	509	CLA	C10-C11-C12-C13
14	W	510	CLA	C5-C6-C7-C8
14	a3	509	CLA	C3-C5-C6-C7
14	a4	508	CLA	C3-C5-C6-C7
14	cA	1110	CLA	CBD-CGD-O2D-CED
20	c1	822	SQD	C8-C7-O47-C45
20	c3	822	SQD	C8-C7-O47-C45
20	Y	822	SQD	C8-C7-O47-C45
20	g	822	SQD	C8-C7-O47-C45
14	aB	1221	CLA	C11-C10-C8-C9
14	bA	1103	CLA	C6-C7-C8-C9
14	bB	1228	CLA	C6-C7-C8-C9
14	b6	510	CLA	C14-C13-C15-C16
14	a5	509	CLA	O1D-CGD-O2D-CED
14	b1	517	CLA	O1D-CGD-O2D-CED
14	b3	518	CLA	O1D-CGD-O2D-CED
14	b5	507	CLA	O1D-CGD-O2D-CED
14	cA	1131	CLA	O1D-CGD-O2D-CED
14	V	502	CLA	O1D-CGD-O2D-CED
14	X	504	CLA	O1D-CGD-O2D-CED
14	j	513	CLA	O1D-CGD-O2D-CED
14	m	517	CLA	O1D-CGD-O2D-CED
14	m	518	CLA	O1D-CGD-O2D-CED
18	aA	5001	LHG	O9-C7-O7-C5
19	aJ	5105	LMU	C2'-C1'-O1'-C1
19	cJ	5105	LMU	C2'-C1'-O1'-C1
20	c6	822	SQD	C2-C1-O6-C44
14	aA	1135	CLA	O1D-CGD-O2D-CED
14	cB	1202	CLA	CBA-CGA-O2A-C1
14	cB	1208	CLA	CBA-CGA-O2A-C1
20	b5	822	SQD	C24-C23-O48-C46
14	cB	1217	CLA	C6-C7-C8-C9
15	bB	2002	PQN	C26-C27-C28-C29
15	cA	2001	PQN	C26-C27-C28-C30
14	p	509	CLA	C8-C10-C11-C12
14	a3	507	CLA	C3-C5-C6-C7
14	a4	501	CLA	C3-C5-C6-C7
14	h	516	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	aA	1140	CLA	C8-C10-C11-C12
14	bB	1021	CLA	C15-C16-C17-C18
14	bB	1215	CLA	C8-C10-C11-C12
14	bB	1221	CLA	C8-C10-C11-C12
14	cA	1118	CLA	C5-C6-C7-C8
14	h	509	CLA	C8-C10-C11-C12
17	aF	4014	BCR	C7-C8-C9-C34
17	a3	521	BCR	C11-C12-C13-C35
17	bM	4021	BCR	C7-C8-C9-C34
17	b1	521	BCR	C7-C8-C9-C34
17	b3	522	BCR	C7-C8-C9-C34
17	b4	521	BCR	C11-C12-C13-C35
17	cB	4009	BCR	C36-C18-C19-C20
17	cJ	4012	BCR	C11-C12-C13-C35
17	c3	521	BCR	C11-C12-C13-C35
17	S	522	BCR	C7-C8-C9-C34
17	a	521	BCR	C7-C8-C9-C34
17	i	522	BCR	C11-C12-C13-C35
17	cM	4021	BCR	C7-C8-C9-C10
17	c1	521	BCR	C7-C8-C9-C10
17	Z	523	BCR	C21-C22-C23-C24
14	b2	512	CLA	O1A-CGA-O2A-C1
14	b2	519	CLA	O1A-CGA-O2A-C1
14	c1	501	CLA	O1A-CGA-O2A-C1
14	c3	502	CLA	O1A-CGA-O2A-C1
14	c4	508	CLA	O1A-CGA-O2A-C1
14	c5	501	CLA	O1A-CGA-O2A-C1
14	b	517	CLA	O1D-CGD-O2D-CED
14	aA	1113	CLA	C2A-CAA-CBA-CGA
14	aB	1209	CLA	C2A-CAA-CBA-CGA
14	a3	512	CLA	C2A-CAA-CBA-CGA
14	bA	1113	CLA	C2A-CAA-CBA-CGA
14	bA	1237	CLA	C2A-CAA-CBA-CGA
14	bA	1013	CLA	C2A-CAA-CBA-CGA
14	bB	1209	CLA	C2A-CAA-CBA-CGA
14	b5	516	CLA	C2A-CAA-CBA-CGA
14	cA	1134	CLA	C2A-CAA-CBA-CGA
14	c1	505	CLA	C2A-CAA-CBA-CGA
14	c2	503	CLA	C2A-CAA-CBA-CGA
14	c4	516	CLA	C2A-CAA-CBA-CGA
14	c5	517	CLA	C2A-CAA-CBA-CGA
14	S	505	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	W	504	CLA	C3-C5-C6-C7
14	W	513	CLA	C2A-CAA-CBA-CGA
14	Y	513	CLA	C2A-CAA-CBA-CGA
14	Z	501	CLA	C2A-CAA-CBA-CGA
14	b	501	CLA	C2A-CAA-CBA-CGA
14	b	505	CLA	C2A-CAA-CBA-CGA
14	f	511	CLA	C2A-CAA-CBA-CGA
14	g	504	CLA	C2A-CAA-CBA-CGA
14	g	516	CLA	C2A-CAA-CBA-CGA
14	h	517	CLA	C2A-CAA-CBA-CGA
14	h	519	CLA	C2A-CAA-CBA-CGA
14	i	504	CLA	C2A-CAA-CBA-CGA
14	j	513	CLA	C2A-CAA-CBA-CGA
14	l	501	CLA	C2A-CAA-CBA-CGA
14	l	517	CLA	C2A-CAA-CBA-CGA
14	m	516	CLA	C2A-CAA-CBA-CGA
14	m	519	CLA	C2A-CAA-CBA-CGA
14	n	517	CLA	C2A-CAA-CBA-CGA
14	q	504	CLA	C2A-CAA-CBA-CGA
14	q	519	CLA	C2A-CAA-CBA-CGA
14	aA	1118	CLA	C5-C6-C7-C8
14	c6	510	CLA	C5-C6-C7-C8
18	aA	5004	LHG	O1-C1-C2-C3
18	bA	5004	LHG	O1-C1-C2-C3
14	W	518	CLA	O1D-CGD-O2D-CED
14	cB	1234	CLA	CBA-CGA-O2A-C1
14	aA	1117	CLA	C16-C17-C18-C20
14	aB	1225	CLA	C16-C17-C18-C19
14	a2	501	CLA	C16-C17-C18-C19
14	bB	1225	CLA	C16-C17-C18-C19
14	bB	1225	CLA	C16-C17-C18-C20
14	b6	504	CLA	C6-C7-C8-C10
14	cA	1115	CLA	C11-C12-C13-C14
14	cA	1133	CLA	C16-C17-C18-C20
14	cB	1214	CLA	C11-C12-C13-C15
14	c1	507	CLA	C11-C12-C13-C15
14	c2	507	CLA	C11-C12-C13-C15
14	V	504	CLA	C6-C7-C8-C9
14	V	504	CLA	C6-C7-C8-C10
14	d	505	CLA	C16-C17-C18-C20
14	g	505	CLA	C16-C17-C18-C20
14	j	509	CLA	C11-C12-C13-C15

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Mol	Chain	Res	Type	Atoms
15	aB	2002	PQN	C26-C27-C28-C29
15	bA	2001	PQN	C26-C27-C28-C30
15	bB	2002	PQN	C26-C27-C28-C30
18	aA	5002	LHG	C28-C29-C30-C31
14	b4	517	CLA	O1D-CGD-O2D-CED
14	c1	517	CLA	O1D-CGD-O2D-CED
14	c2	513	CLA	O1D-CGD-O2D-CED
14	c2	517	CLA	O1D-CGD-O2D-CED
14	b1	512	CLA	O1A-CGA-O2A-C1
14	b2	501	CLA	O1A-CGA-O2A-C1
14	b3	504	CLA	O1A-CGA-O2A-C1
14	b4	504	CLA	O1A-CGA-O2A-C1
14	b6	508	CLA	O1A-CGA-O2A-C1
14	U	508	CLA	O1A-CGA-O2A-C1
20	a4	822	SQD	O10-C23-O48-C46
14	aA	1134	CLA	C3-C5-C6-C7
14	aB	1203	CLA	C3-C5-C6-C7
14	aB	1207	CLA	C3-C5-C6-C7
14	a6	503	CLA	C3-C5-C6-C7
14	bA	1138	CLA	C3-C5-C6-C7
14	b3	511	CLA	C3-C5-C6-C7
14	cB	1207	CLA	C3-C5-C6-C7
14	U	502	CLA	C3-C5-C6-C7
14	Z	501	CLA	C3-C5-C6-C7
14	a1	501	CLA	C13-C15-C16-C17
14	a1	502	CLA	C8-C10-C11-C12
14	bB	1214	CLA	C5-C6-C7-C8
14	cB	1023	CLA	C15-C16-C17-C18
14	X	502	CLA	C5-C6-C7-C8
19	cJ	5105	LMU	O5'-C1'-O1'-C1
20	c2	822	SQD	C8-C7-O47-C45
14	aB	1203	CLA	C5-C6-C7-C8
14	a1	510	CLA	C5-C6-C7-C8
14	c5	503	CLA	C15-C16-C17-C18
14	Y	510	CLA	C5-C6-C7-C8
14	b6	510	CLA	C2-C3-C5-C6
14	cA	1111	CLA	O1D-CGD-O2D-CED
14	g	516	CLA	O1D-CGD-O2D-CED
14	o	507	CLA	O1D-CGD-O2D-CED
14	a1	508	CLA	O1D-CGD-O2D-CED
14	cB	1221	CLA	O1D-CGD-O2D-CED
14	c5	512	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	c5	519	CLA	O1D-CGD-O2D-CED
14	S	508	CLA	O1D-CGD-O2D-CED
14	aA	1125	CLA	CBA-CGA-O2A-C1
14	aB	1012	CLA	CBA-CGA-O2A-C1
14	a2	501	CLA	CBA-CGA-O2A-C1
14	bB	1202	CLA	CBA-CGA-O2A-C1
14	cA	1011	CLA	CBA-CGA-O2A-C1
14	cB	1219	CLA	CBA-CGA-O2A-C1
14	c1	508	CLA	CBA-CGA-O2A-C1
14	d	510	CLA	CBA-CGA-O2A-C1
14	a5	510	CLA	C5-C6-C7-C8
14	W	502	CLA	C10-C11-C12-C13
14	X	501	CLA	C15-C16-C17-C18
15	aB	2002	PQN	C18-C20-C21-C22
14	aB	1214	CLA	CBD-CGD-O2D-CED
14	a4	507	CLA	C13-C15-C16-C17
14	a3	512	CLA	C2-C1-O2A-CGA
14	a3	501	CLA	C16-C17-C18-C19
14	a5	507	CLA	C11-C12-C13-C15
14	bA	1120	CLA	C6-C7-C8-C10
14	cA	1115	CLA	C11-C12-C13-C15
14	cB	1214	CLA	C11-C12-C13-C14
14	c2	507	CLA	C11-C12-C13-C14
14	Z	501	CLA	C16-C17-C18-C19
14	d	505	CLA	C16-C17-C18-C19
14	g	505	CLA	C16-C17-C18-C19
14	j	509	CLA	C11-C12-C13-C14
14	n	505	CLA	C16-C17-C18-C20
14	a2	512	CLA	O1A-CGA-O2A-C1
14	b2	513	CLA	O1A-CGA-O2A-C1
14	c2	519	CLA	O1A-CGA-O2A-C1
14	c5	512	CLA	O1A-CGA-O2A-C1
14	bA	1107	CLA	C5-C6-C7-C8
14	b3	509	CLA	C8-C10-C11-C12
14	X	501	CLA	C13-C15-C16-C17
14	a2	501	CLA	O1D-CGD-O2D-CED
14	c3	505	CLA	O1D-CGD-O2D-CED
14	X	516	CLA	O1D-CGD-O2D-CED
18	bA	5004	LHG	C11-C12-C13-C14
21	b2	5104	LMG	C32-C33-C34-C35
18	aA	5003	LHG	C9-C10-C11-C12
20	a5	822	SQD	C9-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
14	bA	1128	CLA	O1D-CGD-O2D-CED
14	cA	1133	CLA	O1D-CGD-O2D-CED
14	h	508	CLA	O1D-CGD-O2D-CED
14	b3	502	CLA	C10-C11-C12-C13
14	Y	518	CLA	C11-C10-C8-C9
21	bB	5002	LMG	C31-C32-C33-C34
14	b6	513	CLA	O1A-CGA-O2A-C1
14	X	504	CLA	O1A-CGA-O2A-C1
14	b5	517	CLA	O1D-CGD-O2D-CED
14	q	504	CLA	O1D-CGD-O2D-CED
18	bA	5002	LHG	C24-C25-C26-C27
18	bA	5005	LHG	C24-C25-C26-C27
18	cA	5003	LHG	C9-C10-C11-C12
18	cA	5004	LHG	C24-C25-C26-C27
20	bB	1852	SQD	C9-C10-C11-C12
20	bB	1852	SQD	C10-C11-C12-C13
21	c1	5104	LMG	C32-C33-C34-C35
19	bA	1849	LMU	C2-C1-O1'-C1'
19	cA	1849	LMU	C2-C1-O1'-C1'
14	bB	1012	CLA	C3-C5-C6-C7
14	b5	510	CLA	C3-C5-C6-C7
14	bA	1129	CLA	O1D-CGD-O2D-CED
14	U	516	CLA	O1D-CGD-O2D-CED
14	a	505	CLA	O1D-CGD-O2D-CED
14	b	507	CLA	O1D-CGD-O2D-CED
14	q	511	CLA	O1D-CGD-O2D-CED
14	bA	1117	CLA	C13-C15-C16-C17
14	bA	1140	CLA	C8-C10-C11-C12
14	b1	501	CLA	C5-C6-C7-C8
14	c4	503	CLA	C15-C16-C17-C18
14	aA	1107	CLA	C4B-C3B-CAB-CBB
14	aA	1131	CLA	C4B-C3B-CAB-CBB
14	aA	1132	CLA	C4B-C3B-CAB-CBB
14	aB	1021	CLA	C4B-C3B-CAB-CBB
14	aB	1230	CLA	C4B-C3B-CAB-CBB
14	aB	1238	CLA	C4B-C3B-CAB-CBB
14	aJ	1302	CLA	C4B-C3B-CAB-CBB
14	a3	519	CLA	C4B-C3B-CAB-CBB
14	bB	1230	CLA	C4B-C3B-CAB-CBB
14	b3	502	CLA	C4B-C3B-CAB-CBB
14	b6	518	CLA	C4B-C3B-CAB-CBB
14	cA	1131	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	cB	1021	CLA	C4B-C3B-CAB-CBB
14	cB	1230	CLA	C4B-C3B-CAB-CBB
14	S	501	CLA	C4B-C3B-CAB-CBB
14	b	502	CLA	C4B-C3B-CAB-CBB
14	e	504	CLA	C4B-C3B-CAB-CBB
14	p	504	CLA	C4B-C3B-CAB-CBB
14	q	519	CLA	C4B-C3B-CAB-CBB
18	aX	4021	LHG	C23-C24-C25-C26
20	bB	1852	SQD	C23-C24-C25-C26
14	aB	1217	CLA	C6-C7-C8-C9
14	aB	1217	CLA	C6-C7-C8-C10
14	aB	1225	CLA	C16-C17-C18-C20
14	a2	501	CLA	C16-C17-C18-C20
14	bA	1120	CLA	C6-C7-C8-C9
14	bA	1133	CLA	C16-C17-C18-C20
14	bB	1205	CLA	C16-C17-C18-C19
14	bB	1205	CLA	C16-C17-C18-C20
14	bL	1502	CLA	C11-C12-C13-C14
14	b5	504	CLA	C6-C7-C8-C9
14	b5	504	CLA	C6-C7-C8-C10
14	b6	504	CLA	C6-C7-C8-C9
14	cB	1217	CLA	C6-C7-C8-C10
14	cB	1225	CLA	C16-C17-C18-C19
14	cB	1225	CLA	C16-C17-C18-C20
14	c1	507	CLA	C11-C12-C13-C14
14	c5	507	CLA	C11-C12-C13-C15
14	Z	501	CLA	C16-C17-C18-C20
15	aB	2002	PQN	C26-C27-C28-C30
14	aB	1218	CLA	O1D-CGD-O2D-CED
14	b4	519	CLA	O1D-CGD-O2D-CED
14	b4	501	CLA	O1A-CGA-O2A-C1
14	c1	512	CLA	O1A-CGA-O2A-C1
14	a2	516	CLA	C2A-CAA-CBA-CGA
14	bB	1213	CLA	C2A-CAA-CBA-CGA
14	bB	1214	CLA	C2A-CAA-CBA-CGA
14	cA	1013	CLA	C2A-CAA-CBA-CGA
14	cA	1110	CLA	C2A-CAA-CBA-CGA
14	cA	1113	CLA	C2A-CAA-CBA-CGA
14	cA	1237	CLA	C2A-CAA-CBA-CGA
14	cB	1209	CLA	C2A-CAA-CBA-CGA
14	W	504	CLA	C2A-CAA-CBA-CGA
14	b	513	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	h	505	CLA	C2A-CAA-CBA-CGA
18	aX	4021	LHG	C12-C13-C14-C15
21	aB	5002	LMG	C31-C32-C33-C34
14	aA	1117	CLA	C13-C15-C16-C17
14	a2	503	CLA	C15-C16-C17-C18
14	b1	510	CLA	C5-C6-C7-C8
14	Y	501	CLA	C13-C15-C16-C17
14	bB	1205	CLA	CBD-CGD-O2D-CED
18	aA	5001	LHG	C8-C7-O7-C5
21	a2	5104	LMG	O6-C5-C6-O5
14	a4	507	CLA	O1D-CGD-O2D-CED
14	aA	1115	CLA	C6-C7-C8-C10
14	a3	511	CLA	C11-C12-C13-C15
14	bA	1115	CLA	C6-C7-C8-C10
14	cA	1115	CLA	C6-C7-C8-C10
14	cA	1132	CLA	C12-C13-C15-C16
14	c4	503	CLA	C6-C7-C8-C10
15	bB	2002	PQN	C17-C18-C20-C21
18	bA	5003	LHG	C9-C10-C11-C12
19	aB	1843	LMU	C6-C7-C8-C9
21	aB	5002	LMG	C41-C42-C43-C44
18	bX	4021	LHG	C7-C8-C9-C10
14	aB	1219	CLA	CBA-CGA-O2A-C1
14	a1	512	CLA	CBA-CGA-O2A-C1
14	aA	1101	CLA	C8-C10-C11-C12
14	aB	1203	CLA	C15-C16-C17-C18
14	aB	1214	CLA	C13-C15-C16-C17
14	c1	502	CLA	C5-C6-C7-C8
14	n	509	CLA	C10-C11-C12-C13
14	q	510	CLA	C5-C6-C7-C8
18	aA	5001	LHG	C27-C28-C29-C30
21	a1	5104	LMG	C32-C33-C34-C35
21	a6	5104	LMG	C32-C33-C34-C35
21	cB	5002	LMG	C32-C33-C34-C35
14	bA	1129	CLA	O1A-CGA-O2A-C1
14	b6	501	CLA	O1A-CGA-O2A-C1
14	cB	1230	CLA	O1A-CGA-O2A-C1
14	T	502	CLA	O1A-CGA-O2A-C1
14	b	504	CLA	O1A-CGA-O2A-C1
14	c	501	CLA	O1A-CGA-O2A-C1
14	a3	511	CLA	C3-C5-C6-C7
14	aA	1104	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	aA	1135	CLA	C3A-C2A-CAA-CBA
14	aA	1801	CLA	C3A-C2A-CAA-CBA
14	aB	1210	CLA	C3A-C2A-CAA-CBA
14	aB	1232	CLA	C3A-C2A-CAA-CBA
14	a1	512	CLA	C3A-C2A-CAA-CBA
14	a3	516	CLA	C3A-C2A-CAA-CBA
14	a6	519	CLA	C3A-C2A-CAA-CBA
14	bA	1101	CLA	C3A-C2A-CAA-CBA
14	bA	1104	CLA	C3A-C2A-CAA-CBA
14	bA	1135	CLA	C3A-C2A-CAA-CBA
14	bA	1801	CLA	C3A-C2A-CAA-CBA
14	bB	1210	CLA	C3A-C2A-CAA-CBA
14	bB	1232	CLA	C3A-C2A-CAA-CBA
14	bL	1502	CLA	C3A-C2A-CAA-CBA
14	b1	516	CLA	C3A-C2A-CAA-CBA
14	b2	517	CLA	C3A-C2A-CAA-CBA
14	b3	516	CLA	C3A-C2A-CAA-CBA
14	b5	516	CLA	C3A-C2A-CAA-CBA
14	cA	1135	CLA	C3A-C2A-CAA-CBA
14	cB	1210	CLA	C3A-C2A-CAA-CBA
14	c5	516	CLA	C3A-C2A-CAA-CBA
14	T	505	CLA	C4-C3-C5-C6
14	T	516	CLA	C3A-C2A-CAA-CBA
14	U	516	CLA	C3A-C2A-CAA-CBA
14	U	517	CLA	C3A-C2A-CAA-CBA
14	W	517	CLA	C3A-C2A-CAA-CBA
14	m	519	CLA	C3A-C2A-CAA-CBA
14	n	516	CLA	C3A-C2A-CAA-CBA
14	aA	1115	CLA	O1D-CGD-O2D-CED
14	a1	501	CLA	O1D-CGD-O2D-CED
14	cA	1128	CLA	O1D-CGD-O2D-CED
14	a	509	CLA	O1D-CGD-O2D-CED
14	g	513	CLA	O1D-CGD-O2D-CED
14	i	518	CLA	O1D-CGD-O2D-CED
14	m	511	CLA	O1D-CGD-O2D-CED
18	cA	5004	LHG	C25-C26-C27-C28
20	aB	1852	SQD	C10-C11-C12-C13
14	Z	501	CLA	C2-C3-C5-C6
18	cA	5005	LHG	C24-C25-C26-C27
14	a2	508	CLA	C5-C6-C7-C8
14	bB	1214	CLA	C8-C10-C11-C12
14	c2	505	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
14	d	505	CLA	C5-C6-C7-C8
14	d	510	CLA	C5-C6-C7-C8
14	n	502	CLA	C5-C6-C7-C8
20	a5	822	SQD	C23-C24-C25-C26
14	b5	519	CLA	O1D-CGD-O2D-CED
18	aX	4021	LHG	C7-C8-C9-C10
17	W	523	BCR	C9-C10-C11-C12
14	aL	1502	CLA	C11-C12-C13-C14
14	a3	501	CLA	C16-C17-C18-C20
14	b1	508	CLA	C6-C7-C8-C9
14	h	510	CLA	C6-C7-C8-C9
14	n	505	CLA	C16-C17-C18-C19
15	aA	2001	PQN	C26-C27-C28-C30
15	cA	2001	PQN	C26-C27-C28-C29
15	cB	2002	PQN	C26-C27-C28-C29
15	cB	2002	PQN	C26-C27-C28-C30
14	aB	1234	CLA	O1A-CGA-O2A-C1
14	a2	502	CLA	O1A-CGA-O2A-C1
14	a2	503	CLA	O1A-CGA-O2A-C1
14	a5	513	CLA	O1A-CGA-O2A-C1
14	bB	1234	CLA	O1A-CGA-O2A-C1
14	b3	512	CLA	O1A-CGA-O2A-C1
14	cL	1503	CLA	O1A-CGA-O2A-C1
14	m	513	CLA	O1A-CGA-O2A-C1
14	b4	518	CLA	O1D-CGD-O2D-CED
14	b6	507	CLA	O1D-CGD-O2D-CED
18	aA	5002	LHG	C24-C25-C26-C27
21	aB	5002	LMG	C34-C35-C36-C37
14	a3	505	CLA	CBD-CGD-O2D-CED
14	a6	516	CLA	CBD-CGD-O2D-CED
14	cB	1210	CLA	CBD-CGD-O2D-CED
14	c2	516	CLA	CBD-CGD-O2D-CED
14	W	505	CLA	CBD-CGD-O2D-CED
14	i	511	CLA	CBD-CGD-O2D-CED
14	j	505	CLA	CBD-CGD-O2D-CED
14	q	516	CLA	CBD-CGD-O2D-CED
18	bA	5001	LHG	C27-C28-C29-C30
18	cA	5001	LHG	C27-C28-C29-C30
14	b5	503	CLA	O1D-CGD-O2D-CED
14	c3	511	CLA	O1D-CGD-O2D-CED
14	V	517	CLA	O1D-CGD-O2D-CED
14	o	516	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	aB	1202	CLA	CBA-CGA-O2A-C1
14	a1	501	CLA	CBA-CGA-O2A-C1
14	a5	501	CLA	CBA-CGA-O2A-C1
14	bJ	1303	CLA	CBA-CGA-O2A-C1
14	b1	501	CLA	CBA-CGA-O2A-C1
14	b3	508	CLA	CBA-CGA-O2A-C1
14	b5	519	CLA	CBA-CGA-O2A-C1
14	c3	501	CLA	CBA-CGA-O2A-C1
14	c3	508	CLA	CBA-CGA-O2A-C1
20	b3	822	SQD	C24-C23-O48-C46
18	bA	5004	LHG	C24-C25-C26-C27
18	cA	5002	LHG	C11-C10-C9-C8
21	cB	5002	LMG	C31-C32-C33-C34
14	b3	503	CLA	C3-C5-C6-C7
18	aA	5001	LHG	C23-C24-C25-C26
18	bA	5003	LHG	C23-C24-C25-C26
21	aJ	5104	LMG	C10-C11-C12-C13
21	cJ	5104	LMG	C10-C11-C12-C13
14	c1	509	CLA	O1D-CGD-O2D-CED
18	aA	5004	LHG	C24-C25-C26-C27
18	cX	4021	LHG	C13-C14-C15-C16
19	bJ	5105	LMU	C6-C7-C8-C9
19	cB	1843	LMU	C6-C7-C8-C9
20	aB	1852	SQD	C9-C10-C11-C12
20	a4	822	SQD	C27-C28-C29-C30
21	a1	5104	LMG	C30-C31-C32-C33
14	aB	1208	CLA	O1A-CGA-O2A-C1
14	aB	1216	CLA	O1A-CGA-O2A-C1
14	bB	1208	CLA	O1A-CGA-O2A-C1
14	cA	1125	CLA	O1A-CGA-O2A-C1
14	cB	1202	CLA	O1A-CGA-O2A-C1
14	c3	511	CLA	O1A-CGA-O2A-C1
18	bX	4021	LHG	C12-C13-C14-C15
14	a2	504	CLA	O1D-CGD-O2D-CED
14	Z	508	CLA	O1D-CGD-O2D-CED
14	l	505	CLA	O1D-CGD-O2D-CED
14	l	516	CLA	O1D-CGD-O2D-CED
14	q	509	CLA	O1D-CGD-O2D-CED
14	cB	1225	CLA	C10-C11-C12-C13
14	c4	501	CLA	C13-C15-C16-C17
14	Z	510	CLA	C5-C6-C7-C8
14	a1	505	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	b6	516	CLA	O1D-CGD-O2D-CED
14	c6	502	CLA	O1D-CGD-O2D-CED
14	q	519	CLA	O1D-CGD-O2D-CED
18	aA	5005	LHG	C24-C25-C26-C27
19	aA	1849	LMU	C4-C5-C6-C7
14	b3	507	CLA	C11-C12-C13-C15
14	b4	507	CLA	C11-C12-C13-C15
14	cL	1502	CLA	C11-C12-C13-C14
20	T	822	SQD	C7-C8-C9-C10
14	bB	1216	CLA	O1A-CGA-O2A-C1
14	cB	1208	CLA	O1A-CGA-O2A-C1
14	cB	1219	CLA	O1A-CGA-O2A-C1
14	aA	1131	CLA	C2B-C3B-CAB-CBB
14	aA	1132	CLA	C2B-C3B-CAB-CBB
14	aB	1021	CLA	C2B-C3B-CAB-CBB
14	aB	1216	CLA	C2B-C3B-CAB-CBB
14	aB	1230	CLA	C2B-C3B-CAB-CBB
14	aJ	1302	CLA	C2B-C3B-CAB-CBB
14	aK	1401	CLA	C2B-C3B-CAB-CBB
14	a6	518	CLA	C2B-C3B-CAB-CBB
14	bA	1131	CLA	C2B-C3B-CAB-CBB
14	bA	1132	CLA	C2B-C3B-CAB-CBB
14	bB	1230	CLA	C2B-C3B-CAB-CBB
14	bK	1401	CLA	C2B-C3B-CAB-CBB
14	b4	504	CLA	C2B-C3B-CAB-CBB
14	b6	503	CLA	C2B-C3B-CAB-CBB
14	b6	518	CLA	C2B-C3B-CAB-CBB
14	cA	1131	CLA	C2B-C3B-CAB-CBB
14	cA	1237	CLA	C2B-C3B-CAB-CBB
14	cB	1021	CLA	C2B-C3B-CAB-CBB
14	cB	1230	CLA	C2B-C3B-CAB-CBB
14	c4	513	CLA	C2B-C3B-CAB-CBB
14	S	501	CLA	C2B-C3B-CAB-CBB
14	U	509	CLA	C2B-C3B-CAB-CBB
14	V	502	CLA	C2B-C3B-CAB-CBB
14	b	502	CLA	C2B-C3B-CAB-CBB
14	e	504	CLA	C2B-C3B-CAB-CBB
14	l	502	CLA	C2B-C3B-CAB-CBB
14	l	517	CLA	C2B-C3B-CAB-CBB
14	p	504	CLA	C2B-C3B-CAB-CBB
14	q	516	CLA	C2B-C3B-CAB-CBB
17	aA	4002	BCR	C1-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
17	aA	4003	BCR	C1-C6-C7-C8
17	aA	4003	BCR	C5-C6-C7-C8
17	aB	4004	BCR	C1-C6-C7-C8
17	aB	4004	BCR	C5-C6-C7-C8
17	aB	4009	BCR	C23-C24-C25-C26
17	aB	4009	BCR	C23-C24-C25-C30
17	aI	4018	BCR	C23-C24-C25-C26
17	aI	4018	BCR	C23-C24-C25-C30
17	aI	4019	BCR	C23-C24-C25-C30
17	aJ	4013	BCR	C1-C6-C7-C8
17	aJ	4013	BCR	C5-C6-C7-C8
17	a1	521	BCR	C1-C6-C7-C8
17	a1	521	BCR	C5-C6-C7-C8
17	a1	522	BCR	C1-C6-C7-C8
17	a1	522	BCR	C5-C6-C7-C8
17	a2	521	BCR	C1-C6-C7-C8
17	a2	521	BCR	C5-C6-C7-C8
17	a2	522	BCR	C1-C6-C7-C8
17	a2	522	BCR	C5-C6-C7-C8
17	a3	522	BCR	C1-C6-C7-C8
17	a3	522	BCR	C5-C6-C7-C8
17	a4	522	BCR	C1-C6-C7-C8
17	a4	522	BCR	C5-C6-C7-C8
17	a4	523	BCR	C5-C6-C7-C8
17	a5	522	BCR	C1-C6-C7-C8
17	a5	522	BCR	C5-C6-C7-C8
17	a6	521	BCR	C1-C6-C7-C8
17	a6	521	BCR	C5-C6-C7-C8
17	a6	522	BCR	C1-C6-C7-C8
17	a6	522	BCR	C5-C6-C7-C8
17	bA	4003	BCR	C1-C6-C7-C8
17	bA	4003	BCR	C5-C6-C7-C8
17	bB	4004	BCR	C1-C6-C7-C8
17	bB	4004	BCR	C5-C6-C7-C8
17	bI	4018	BCR	C23-C24-C25-C30
17	bJ	4012	BCR	C1-C6-C7-C8
17	bJ	4013	BCR	C1-C6-C7-C8
17	bJ	4013	BCR	C5-C6-C7-C8
17	b1	521	BCR	C1-C6-C7-C8
17	b1	521	BCR	C5-C6-C7-C8
17	b1	522	BCR	C1-C6-C7-C8
17	b1	522	BCR	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
17	b2	522	BCR	C1-C6-C7-C8
17	b2	522	BCR	C5-C6-C7-C8
17	b3	521	BCR	C1-C6-C7-C8
17	b3	521	BCR	C5-C6-C7-C8
17	b3	522	BCR	C1-C6-C7-C8
17	b3	522	BCR	C5-C6-C7-C8
17	b4	522	BCR	C1-C6-C7-C8
17	b4	522	BCR	C5-C6-C7-C8
17	b5	522	BCR	C1-C6-C7-C8
17	b6	521	BCR	C1-C6-C7-C8
17	b6	521	BCR	C5-C6-C7-C8
17	b6	522	BCR	C1-C6-C7-C8
17	cA	4002	BCR	C1-C6-C7-C8
17	cA	4003	BCR	C1-C6-C7-C8
17	cA	4003	BCR	C5-C6-C7-C8
17	cB	4004	BCR	C1-C6-C7-C8
17	cB	4004	BCR	C5-C6-C7-C8
17	cI	4018	BCR	C23-C24-C25-C30
17	cI	4019	BCR	C23-C24-C25-C30
17	cJ	4012	BCR	C1-C6-C7-C8
17	cJ	4013	BCR	C1-C6-C7-C8
17	cJ	4013	BCR	C5-C6-C7-C8
17	c1	521	BCR	C1-C6-C7-C8
17	c1	521	BCR	C5-C6-C7-C8
17	c1	522	BCR	C1-C6-C7-C8
17	c1	522	BCR	C5-C6-C7-C8
17	c2	522	BCR	C1-C6-C7-C8
17	c2	522	BCR	C5-C6-C7-C8
17	c3	521	BCR	C1-C6-C7-C8
17	c3	522	BCR	C1-C6-C7-C8
17	c3	522	BCR	C5-C6-C7-C8
17	c4	522	BCR	C1-C6-C7-C8
17	c4	522	BCR	C5-C6-C7-C8
17	c5	522	BCR	C1-C6-C7-C8
17	c5	522	BCR	C5-C6-C7-C8
17	c6	522	BCR	C1-C6-C7-C8
17	c6	522	BCR	C5-C6-C7-C8
17	c6	523	BCR	C1-C6-C7-C8
17	S	522	BCR	C1-C6-C7-C8
17	S	522	BCR	C5-C6-C7-C8
17	T	521	BCR	C1-C6-C7-C8
17	T	521	BCR	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
17	T	522	BCR	C1-C6-C7-C8
17	T	522	BCR	C5-C6-C7-C8
17	U	521	BCR	C1-C6-C7-C8
17	U	521	BCR	C5-C6-C7-C8
17	U	522	BCR	C1-C6-C7-C8
17	U	522	BCR	C5-C6-C7-C8
17	V	522	BCR	C1-C6-C7-C8
17	W	521	BCR	C1-C6-C7-C8
17	W	521	BCR	C5-C6-C7-C8
17	W	522	BCR	C1-C6-C7-C8
17	W	522	BCR	C5-C6-C7-C8
17	X	522	BCR	C1-C6-C7-C8
17	X	522	BCR	C5-C6-C7-C8
17	Y	522	BCR	C1-C6-C7-C8
17	Z	521	BCR	C1-C6-C7-C8
17	Z	521	BCR	C5-C6-C7-C8
17	Z	522	BCR	C1-C6-C7-C8
17	Z	522	BCR	C5-C6-C7-C8
17	a	521	BCR	C1-C6-C7-C8
17	a	521	BCR	C5-C6-C7-C8
17	a	522	BCR	C1-C6-C7-C8
17	a	522	BCR	C5-C6-C7-C8
17	b	522	BCR	C1-C6-C7-C8
17	b	522	BCR	C5-C6-C7-C8
17	b	523	BCR	C1-C6-C7-C8
17	c	522	BCR	C1-C6-C7-C8
17	c	522	BCR	C5-C6-C7-C8
17	d	522	BCR	C1-C6-C7-C8
17	d	522	BCR	C5-C6-C7-C8
17	e	521	BCR	C1-C6-C7-C8
17	e	521	BCR	C5-C6-C7-C8
17	e	522	BCR	C1-C6-C7-C8
17	e	522	BCR	C5-C6-C7-C8
17	f	522	BCR	C1-C6-C7-C8
17	f	522	BCR	C5-C6-C7-C8
17	g	522	BCR	C1-C6-C7-C8
17	g	522	BCR	C5-C6-C7-C8
17	g	521	BCR	C1-C6-C7-C8
17	g	521	BCR	C5-C6-C7-C8
17	h	521	BCR	C1-C6-C7-C8
17	h	521	BCR	C5-C6-C7-C8
17	h	522	BCR	C1-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
17	h	522	BCR	C5-C6-C7-C8
17	i	522	BCR	C1-C6-C7-C8
17	j	522	BCR	C1-C6-C7-C8
17	j	522	BCR	C5-C6-C7-C8
17	k	522	BCR	C1-C6-C7-C8
17	k	522	BCR	C5-C6-C7-C8
17	l	522	BCR	C1-C6-C7-C8
17	l	522	BCR	C5-C6-C7-C8
17	m	522	BCR	C1-C6-C7-C8
17	m	522	BCR	C5-C6-C7-C8
17	n	522	BCR	C1-C6-C7-C8
17	n	522	BCR	C5-C6-C7-C8
17	o	522	BCR	C1-C6-C7-C8
17	o	522	BCR	C5-C6-C7-C8
17	p	522	BCR	C1-C6-C7-C8
17	p	522	BCR	C5-C6-C7-C8
17	q	522	BCR	C1-C6-C7-C8
18	bA	5004	LHG	C10-C11-C12-C13
18	bA	5005	LHG	C11-C10-C9-C8
18	cA	5004	LHG	C11-C10-C9-C8
14	aA	1116	CLA	CBD-CGD-O2D-CED
14	a4	509	CLA	CBD-CGD-O2D-CED
14	bB	1203	CLA	CBD-CGD-O2D-CED
14	cA	1120	CLA	CBD-CGD-O2D-CED
14	e	512	CLA	CBD-CGD-O2D-CED
14	l	519	CLA	CBD-CGD-O2D-CED
18	bA	5001	LHG	C8-C7-O7-C5
21	bJ	5104	LMG	C11-C10-O7-C8
14	S	502	CLA	O1A-CGA-O2A-C1
14	p	508	CLA	O1D-CGD-O2D-CED
14	bA	1125	CLA	CBA-CGA-O2A-C1
14	b3	501	CLA	CBA-CGA-O2A-C1
14	a	518	CLA	CBA-CGA-O2A-C1
14	j	513	CLA	CBA-CGA-O2A-C1
14	cL	1502	CLA	C10-C11-C12-C13
14	Z	510	CLA	C3-C5-C6-C7
18	bA	5004	LHG	C25-C26-C27-C28
14	aB	1210	CLA	O1D-CGD-O2D-CED
14	bA	1022	CLA	C2A-CAA-CBA-CGA
14	cA	1120	CLA	C2A-CAA-CBA-CGA
14	T	504	CLA	C2A-CAA-CBA-CGA
14	V	504	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	V	518	CLA	C2A-CAA-CBA-CGA
14	X	504	CLA	C2A-CAA-CBA-CGA
14	a	513	CLA	C2A-CAA-CBA-CGA
14	d	518	CLA	C2A-CAA-CBA-CGA
14	k	518	CLA	C2A-CAA-CBA-CGA
18	cA	5003	LHG	C23-C24-C25-C26
19	bA	1849	LMU	C4-C5-C6-C7
20	bB	1852	SQD	C25-C26-C27-C28
14	aA	1125	CLA	O1A-CGA-O2A-C1
14	aB	1012	CLA	O1A-CGA-O2A-C1
14	aB	1219	CLA	O1A-CGA-O2A-C1
14	a1	512	CLA	O1A-CGA-O2A-C1
14	a2	501	CLA	O1A-CGA-O2A-C1
14	bB	1202	CLA	O1A-CGA-O2A-C1
14	cA	1011	CLA	O1A-CGA-O2A-C1
14	cB	1234	CLA	O1A-CGA-O2A-C1
14	c1	508	CLA	O1A-CGA-O2A-C1
14	d	510	CLA	O1A-CGA-O2A-C1
20	b3	822	SQD	O10-C23-O48-C46
14	a4	518	CLA	O1D-CGD-O2D-CED
18	bA	5001	LHG	O9-C7-O7-C5
18	cA	5001	LHG	O9-C7-O7-C5
14	aB	1224	CLA	C8-C10-C11-C12
14	b5	503	CLA	C4-C3-C5-C6
14	q	510	CLA	C4-C3-C5-C6
14	aL	1502	CLA	C10-C11-C12-C13
14	a3	505	CLA	C15-C16-C17-C18
14	cB	1203	CLA	C15-C16-C17-C18
14	c1	505	CLA	C15-C16-C17-C18
14	a2	510	CLA	C2-C3-C5-C6
14	a3	519	CLA	C2-C3-C5-C6
14	a5	510	CLA	C2-C3-C5-C6
14	bB	1230	CLA	C2-C3-C5-C6
14	b1	505	CLA	C2-C3-C5-C6
14	b1	510	CLA	C2-C3-C5-C6
14	b4	504	CLA	C2-C3-C5-C6
14	b6	503	CLA	C2-C3-C5-C6
14	cB	1230	CLA	C2-C3-C5-C6
14	c1	518	CLA	C2-C3-C5-C6
14	c5	503	CLA	C2-C3-C5-C6
14	X	505	CLA	C2-C3-C5-C6
14	Y	510	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	a	518	CLA	C2-C3-C5-C6
14	g	505	CLA	C2-C3-C5-C6
14	h	510	CLA	C2-C3-C5-C6
14	bB	1217	CLA	C6-C7-C8-C9
15	bA	2001	PQN	C26-C27-C28-C29
18	aA	5002	LHG	C27-C28-C29-C30
18	cA	5005	LHG	C9-C10-C11-C12
20	c4	822	SQD	C24-C25-C26-C27
21	aB	5002	LMG	C32-C33-C34-C35
21	c1	5104	LMG	C30-C31-C32-C33
14	U	516	CLA	C2C-C3C-CAC-CBC
14	aA	1105	CLA	CBA-CGA-O2A-C1
14	aA	1129	CLA	CBA-CGA-O2A-C1
14	bB	1012	CLA	CBA-CGA-O2A-C1
14	b3	511	CLA	CBA-CGA-O2A-C1
14	c6	508	CLA	CBA-CGA-O2A-C1
14	V	513	CLA	CBA-CGA-O2A-C1
14	W	501	CLA	CBA-CGA-O2A-C1
14	W	518	CLA	CBA-CGA-O2A-C1
14	p	502	CLA	CBA-CGA-O2A-C1
14	aA	1140	CLA	C11-C12-C13-C14
14	bA	1140	CLA	C11-C10-C8-C9
14	bA	1140	CLA	C11-C12-C13-C14
14	bB	1225	CLA	C11-C12-C13-C14
14	b6	509	CLA	C6-C7-C8-C9
14	b	509	CLA	C6-C7-C8-C9
15	bA	2001	PQN	C21-C22-C23-C24
18	cA	5005	LHG	C11-C10-C9-C8
19	aA	1848	LMU	C2-C3-C4-C5
21	bB	5002	LMG	C32-C33-C34-C35
14	a3	519	CLA	C5-C6-C7-C8
21	a6	5104	LMG	C31-C32-C33-C34
19	aJ	5105	LMU	O5'-C1'-O1'-C1
21	a1	5104	LMG	C31-C32-C33-C34
21	b1	5104	LMG	C30-C31-C32-C33
14	b3	502	CLA	CBD-CGD-O2D-CED
14	aA	1104	CLA	C15-C16-C17-C18
14	aB	1231	CLA	C5-C6-C7-C8
14	bA	1022	CLA	C5-C6-C7-C8
14	cA	1117	CLA	C13-C15-C16-C17
18	bA	5002	LHG	C27-C28-C29-C30
18	bA	5005	LHG	C27-C28-C29-C30

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Mol	Chain	Res	Type	Atoms
18	cA	5002	LHG	C27-C28-C29-C30
21	a2	5104	LMG	C30-C31-C32-C33
21	cB	5002	LMG	C41-C42-C43-C44
18	cX	4021	LHG	C7-C8-C9-C10
14	bA	1137	CLA	O1D-CGD-O2D-CED
14	X	517	CLA	O1D-CGD-O2D-CED
14	bA	1107	CLA	C3-C5-C6-C7
20	Z	822	SQD	C24-C23-O48-C46
17	d	523	BCR	C9-C10-C11-C12
14	aA	1133	CLA	C16-C17-C18-C20
14	bB	1203	CLA	C16-C17-C18-C20
14	S	510	CLA	C6-C7-C8-C9
14	b5	504	CLA	CBD-CGD-O2D-CED
14	S	518	CLA	CBD-CGD-O2D-CED
18	cA	5001	LHG	C8-C7-O7-C5
20	aB	1852	SQD	C8-C7-O47-C45
20	bB	1852	SQD	C8-C7-O47-C45
14	q	501	CLA	C8-C10-C11-C12
18	cA	5002	LHG	C28-C29-C30-C31
14	b5	502	CLA	C10-C11-C12-C13
14	cA	1116	CLA	C5-C6-C7-C8
18	aA	5002	LHG	C11-C10-C9-C8
18	cA	5001	LHG	C32-C33-C34-C35
14	cA	1104	CLA	CBD-CGD-O2D-CED
19	cB	1843	LMU	O5B-C5B-C6B-O6B
14	b1	501	CLA	O1A-CGA-O2A-C1
14	b4	509	CLA	C8-C10-C11-C12
14	c4	508	CLA	C10-C11-C12-C13
14	Y	504	CLA	C5-C6-C7-C8
17	aB	4009	BCR	C36-C18-C19-C20
17	b1	523	BCR	C7-C8-C9-C34
17	cM	4021	BCR	C36-C18-C19-C20
17	T	522	BCR	C7-C8-C9-C34
17	a	523	BCR	C37-C22-C23-C24
17	o	521	BCR	C7-C8-C9-C34
17	o	523	BCR	C37-C22-C23-C24
17	p	521	BCR	C11-C12-C13-C35
19	bB	1843	LMU	C4B-C5B-C6B-O6B
21	aJ	5104	LMG	C28-C29-C30-C31
18	bA	5001	LHG	C12-C13-C14-C15
17	h	523	BCR	C21-C22-C23-C24
14	aA	1022	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	aB	1201	CLA	C2A-CAA-CBA-CGA
14	a1	513	CLA	C2A-CAA-CBA-CGA
14	a6	519	CLA	C2A-CAA-CBA-CGA
14	b1	513	CLA	C2A-CAA-CBA-CGA
14	f	505	CLA	C2A-CAA-CBA-CGA
14	p	504	CLA	C2A-CAA-CBA-CGA
14	c4	518	CLA	C11-C10-C8-C9
14	aL	1502	CLA	C11-C12-C13-C15
14	bA	1117	CLA	C16-C17-C18-C19
14	bA	1117	CLA	C16-C17-C18-C20
14	bA	1126	CLA	C16-C17-C18-C20
14	bB	1203	CLA	C16-C17-C18-C19
14	bB	1217	CLA	C6-C7-C8-C10
14	bL	1502	CLA	C11-C12-C13-C15
14	b4	507	CLA	C11-C12-C13-C14
14	cA	1117	CLA	C16-C17-C18-C19
14	cA	1117	CLA	C16-C17-C18-C20
14	c5	507	CLA	C11-C12-C13-C14
14	a5	503	CLA	CBD-CGD-O2D-CED
14	c3	509	CLA	CBD-CGD-O2D-CED
14	h	505	CLA	O1D-CGD-O2D-CED
19	aJ	5105	LMU	C6-C7-C8-C9
20	X	822	SQD	C11-C10-C9-C8
21	bB	5002	LMG	C30-C31-C32-C33
14	aA	1118	CLA	C4-C3-C5-C6
14	a1	510	CLA	C4-C3-C5-C6
18	aA	5004	LHG	C25-C26-C27-C28
18	cA	5002	LHG	C24-C25-C26-C27
19	bB	1843	LMU	C6-C7-C8-C9
14	U	507	CLA	O1D-CGD-O2D-CED
14	Y	505	CLA	O1D-CGD-O2D-CED
14	c	505	CLA	C5-C6-C7-C8
21	bB	5002	LMG	C16-C17-C18-C19
14	b1	516	CLA	O1D-CGD-O2D-CED
14	aB	1202	CLA	O1A-CGA-O2A-C1
14	a1	501	CLA	O1A-CGA-O2A-C1
14	bJ	1303	CLA	O1A-CGA-O2A-C1
14	b3	508	CLA	O1A-CGA-O2A-C1
14	b5	519	CLA	O1A-CGA-O2A-C1
14	c3	501	CLA	O1A-CGA-O2A-C1
20	X	822	SQD	O10-C23-O48-C46
14	b2	501	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	aA	1115	CLA	C10-C11-C12-C13
14	c3	509	CLA	C5-C6-C7-C8
14	Z	501	CLA	C15-C16-C17-C18
18	bX	4021	LHG	C13-C14-C15-C16
14	a4	501	CLA	CBA-CGA-O2A-C1
18	cA	5004	LHG	C7-C8-C9-C10
21	cB	5002	LMG	C16-C17-C18-C19
20	bB	1852	SQD	O49-C7-O47-C45
18	aA	5001	LHG	C32-C33-C34-C35
18	aX	4021	LHG	C13-C14-C15-C16
14	V	504	CLA	CBD-CGD-O2D-CED
14	o	508	CLA	CBD-CGD-O2D-CED
14	a5	503	CLA	C15-C16-C17-C18
14	cB	1202	CLA	C13-C15-C16-C17
14	Z	502	CLA	C5-C6-C7-C8
14	aA	1117	CLA	C16-C17-C18-C19
14	b3	507	CLA	C11-C12-C13-C14
14	cA	1133	CLA	C16-C17-C18-C19
14	cB	1221	CLA	C11-C12-C13-C14
14	cB	1226	CLA	C16-C17-C18-C20
14	cL	1502	CLA	C11-C12-C13-C15
14	h	510	CLA	C6-C7-C8-C10
14	a5	501	CLA	O1A-CGA-O2A-C1
21	cB	5002	LMG	O6-C5-C6-O5
19	aA	1849	LMU	C1-C2-C3-C4
20	h	822	SQD	C23-C24-C25-C26
20	q	822	SQD	C24-C23-O48-C46
14	aA	1123	CLA	C5-C6-C7-C8
14	cA	1104	CLA	C15-C16-C17-C18
14	a5	512	CLA	O1D-CGD-O2D-CED
14	bA	1106	CLA	O1D-CGD-O2D-CED
14	cB	1208	CLA	O1D-CGD-O2D-CED
14	Y	512	CLA	O1D-CGD-O2D-CED
14	b	505	CLA	O1D-CGD-O2D-CED
14	aA	1123	CLA	C3-C5-C6-C7
14	bA	1123	CLA	C3-C5-C6-C7
14	bB	1216	CLA	C3-C5-C6-C7
14	b6	507	CLA	C3-C5-C6-C7
14	T	510	CLA	C3-C5-C6-C7
18	bA	5005	LHG	C9-C10-C11-C12
14	a6	505	CLA	O1D-CGD-O2D-CED
14	bB	1201	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	X	511	CLA	O1D-CGD-O2D-CED
14	bB	1219	CLA	CBA-CGA-O2A-C1
14	S	511	CLA	CBA-CGA-O2A-C1
14	S	513	CLA	CBA-CGA-O2A-C1
18	aA	5005	LHG	C11-C10-C9-C8
21	cB	5002	LMG	C30-C31-C32-C33
14	b5	501	CLA	C15-C16-C17-C18
14	b5	509	CLA	C10-C11-C12-C13
14	c1	509	CLA	C5-C6-C7-C8
14	c4	509	CLA	C8-C10-C11-C12
14	q	509	CLA	C5-C6-C7-C8
21	aB	5002	LMG	O6-C5-C6-O5
21	c1	5104	LMG	O6-C5-C6-O5
14	bB	1210	CLA	O1D-CGD-O2D-CED
14	cA	1106	CLA	O1D-CGD-O2D-CED
14	Y	516	CLA	O1D-CGD-O2D-CED
14	f	516	CLA	O1D-CGD-O2D-CED
21	a2	5104	LMG	C32-C33-C34-C35
14	a3	511	CLA	C2-C1-O2A-CGA
14	b2	512	CLA	C2-C1-O2A-CGA
14	c3	512	CLA	C2-C1-O2A-CGA
21	aJ	5104	LMG	O6-C5-C6-O5
14	c3	517	CLA	O1D-CGD-O2D-CED
14	a5	507	CLA	C11-C12-C13-C14
14	b1	508	CLA	C6-C7-C8-C10
14	e	510	CLA	C6-C7-C8-C9
14	c2	509	CLA	C5-C6-C7-C8
14	U	510	CLA	C5-C6-C7-C8
14	q	503	CLA	C10-C11-C12-C13
14	aA	1129	CLA	O1D-CGD-O2D-CED
14	b	513	CLA	O1D-CGD-O2D-CED
14	aB	1226	CLA	C4-C3-C5-C6
14	bA	1130	CLA	C3-C5-C6-C7
14	bB	1213	CLA	C3-C5-C6-C7
14	b2	508	CLA	C3-C5-C6-C7
14	cA	1136	CLA	C3-C5-C6-C7
14	bB	1218	CLA	C2-C3-C5-C6
14	W	510	CLA	C13-C15-C16-C17
20	aB	1852	SQD	C26-C27-C28-C29
21	aB	5002	LMG	C30-C31-C32-C33
14	aA	1110	CLA	C2A-CAA-CBA-CGA
14	aA	1120	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	aB	1213	CLA	C2A-CAA-CBA-CGA
14	aB	1224	CLA	C2A-CAA-CBA-CGA
14	aB	1225	CLA	C2A-CAA-CBA-CGA
14	a1	501	CLA	C2A-CAA-CBA-CGA
14	a2	512	CLA	C2A-CAA-CBA-CGA
14	a4	501	CLA	C2A-CAA-CBA-CGA
14	a5	512	CLA	C2A-CAA-CBA-CGA
14	bA	1110	CLA	C2A-CAA-CBA-CGA
14	bA	1120	CLA	C2A-CAA-CBA-CGA
14	bB	1224	CLA	C2A-CAA-CBA-CGA
14	b1	504	CLA	C2A-CAA-CBA-CGA
14	b2	516	CLA	C2A-CAA-CBA-CGA
14	b3	512	CLA	C2A-CAA-CBA-CGA
14	b4	501	CLA	C2A-CAA-CBA-CGA
14	b4	516	CLA	C2A-CAA-CBA-CGA
14	b5	501	CLA	C2A-CAA-CBA-CGA
14	b5	518	CLA	C2A-CAA-CBA-CGA
14	b6	518	CLA	C2A-CAA-CBA-CGA
14	cB	1224	CLA	C2A-CAA-CBA-CGA
14	c1	504	CLA	C2A-CAA-CBA-CGA
14	c2	512	CLA	C2A-CAA-CBA-CGA
14	c3	516	CLA	C2A-CAA-CBA-CGA
14	c5	512	CLA	C2A-CAA-CBA-CGA
14	c6	519	CLA	C2A-CAA-CBA-CGA
14	U	501	CLA	C2A-CAA-CBA-CGA
14	U	518	CLA	C2A-CAA-CBA-CGA
14	W	518	CLA	C2A-CAA-CBA-CGA
14	X	517	CLA	C2A-CAA-CBA-CGA
14	Y	501	CLA	C2A-CAA-CBA-CGA
14	Z	516	CLA	C2A-CAA-CBA-CGA
14	a	518	CLA	C2A-CAA-CBA-CGA
14	f	518	CLA	C2A-CAA-CBA-CGA
14	i	511	CLA	C2A-CAA-CBA-CGA
14	i	518	CLA	C2A-CAA-CBA-CGA
14	n	501	CLA	C2A-CAA-CBA-CGA
14	o	518	CLA	C2A-CAA-CBA-CGA
14	p	501	CLA	C2A-CAA-CBA-CGA
14	aA	1237	CLA	CBD-CGD-O2D-CED
14	a1	512	CLA	CBD-CGD-O2D-CED
14	b4	513	CLA	CBD-CGD-O2D-CED
14	b6	510	CLA	CBD-CGD-O2D-CED
14	b	504	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	g	519	CLA	CBD-CGD-O2D-CED
14	a6	508	CLA	CBA-CGA-O2A-C1
14	cB	1012	CLA	CBA-CGA-O2A-C1
14	c4	501	CLA	CBA-CGA-O2A-C1
14	c4	505	CLA	CBA-CGA-O2A-C1
14	o	501	CLA	O1A-CGA-O2A-C1
20	b3	822	SQD	C26-C27-C28-C29
21	aB	5002	LMG	C16-C17-C18-C19
21	cB	5002	LMG	C33-C34-C35-C36
14	bA	1125	CLA	O1A-CGA-O2A-C1
14	b1	505	CLA	O1D-CGD-O2D-CED
14	Y	517	CLA	O1D-CGD-O2D-CED
21	aJ	5104	LMG	C11-C12-C13-C14
14	aA	1013	CLA	C8-C10-C11-C12
14	b3	509	CLA	C5-C6-C7-C8
14	cA	1140	CLA	C8-C10-C11-C12
14	c2	501	CLA	C13-C15-C16-C17
14	e	510	CLA	C5-C6-C7-C8
21	a2	5104	LMG	C31-C32-C33-C34
21	bB	5002	LMG	C34-C35-C36-C37
14	S	510	CLA	C6-C7-C8-C10
14	d	513	CLA	O1D-CGD-O2D-CED
14	aA	1129	CLA	O1A-CGA-O2A-C1
14	b3	501	CLA	O1A-CGA-O2A-C1
14	b3	511	CLA	O1A-CGA-O2A-C1
14	c3	508	CLA	O1A-CGA-O2A-C1
14	V	513	CLA	O1A-CGA-O2A-C1
14	W	501	CLA	O1A-CGA-O2A-C1
14	a	518	CLA	O1A-CGA-O2A-C1
14	j	513	CLA	O1A-CGA-O2A-C1
14	p	502	CLA	O1A-CGA-O2A-C1
14	a5	508	CLA	C3-C5-C6-C7
14	cB	1012	CLA	C3-C5-C6-C7
14	c5	503	CLA	C3-C5-C6-C7
18	cA	5005	LHG	C27-C28-C29-C30
21	bB	5002	LMG	C41-C42-C43-C44
14	aA	1101	CLA	C1A-C2A-CAA-CBA
14	aA	1106	CLA	C1A-C2A-CAA-CBA
14	aA	1116	CLA	C1A-C2A-CAA-CBA
14	aA	1135	CLA	C1A-C2A-CAA-CBA
14	aA	1801	CLA	C1A-C2A-CAA-CBA
14	aB	1202	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	aB	1222	CLA	C1A-C2A-CAA-CBA
14	aB	1231	CLA	C1A-C2A-CAA-CBA
14	aJ	1303	CLA	C1A-C2A-CAA-CBA
14	aK	1103	CLA	C1A-C2A-CAA-CBA
14	a1	512	CLA	C1A-C2A-CAA-CBA
14	a1	516	CLA	C1A-C2A-CAA-CBA
14	a2	501	CLA	C1A-C2A-CAA-CBA
14	a2	511	CLA	C1A-C2A-CAA-CBA
14	a3	506	CLA	C1A-C2A-CAA-CBA
14	a3	511	CLA	C1A-C2A-CAA-CBA
14	a4	501	CLA	C1A-C2A-CAA-CBA
14	a4	511	CLA	C1A-C2A-CAA-CBA
14	a5	501	CLA	C1A-C2A-CAA-CBA
14	a5	516	CLA	C1A-C2A-CAA-CBA
14	a6	501	CLA	C1A-C2A-CAA-CBA
14	a6	518	CLA	C1A-C2A-CAA-CBA
14	bA	1101	CLA	C1A-C2A-CAA-CBA
14	bA	1106	CLA	C1A-C2A-CAA-CBA
14	bA	1116	CLA	C1A-C2A-CAA-CBA
14	bA	1135	CLA	C1A-C2A-CAA-CBA
14	bB	1202	CLA	C1A-C2A-CAA-CBA
14	bB	1231	CLA	C1A-C2A-CAA-CBA
14	bJ	1303	CLA	C1A-C2A-CAA-CBA
14	b1	501	CLA	C1A-C2A-CAA-CBA
14	b1	516	CLA	C1A-C2A-CAA-CBA
14	b2	517	CLA	C1A-C2A-CAA-CBA
14	b3	516	CLA	C1A-C2A-CAA-CBA
14	b4	501	CLA	C1A-C2A-CAA-CBA
14	b5	506	CLA	C1A-C2A-CAA-CBA
14	b5	516	CLA	C1A-C2A-CAA-CBA
14	cA	1106	CLA	C1A-C2A-CAA-CBA
14	cA	1112	CLA	C1A-C2A-CAA-CBA
14	cA	1116	CLA	C1A-C2A-CAA-CBA
14	cA	1118	CLA	C1A-C2A-CAA-CBA
14	cA	1135	CLA	C1A-C2A-CAA-CBA
14	cB	1202	CLA	C1A-C2A-CAA-CBA
14	cB	1222	CLA	C1A-C2A-CAA-CBA
14	cB	1231	CLA	C1A-C2A-CAA-CBA
14	cJ	1303	CLA	C1A-C2A-CAA-CBA
14	cK	1103	CLA	C1A-C2A-CAA-CBA
14	c1	508	CLA	C1A-C2A-CAA-CBA
14	c1	518	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	c3	501	CLA	C1A-C2A-CAA-CBA
14	c4	517	CLA	C1A-C2A-CAA-CBA
14	c5	516	CLA	C1A-C2A-CAA-CBA
14	S	501	CLA	C1A-C2A-CAA-CBA
14	S	519	CLA	C1A-C2A-CAA-CBA
14	T	511	CLA	C1A-C2A-CAA-CBA
14	T	516	CLA	C1A-C2A-CAA-CBA
14	U	504	CLA	C1A-C2A-CAA-CBA
14	U	511	CLA	C1A-C2A-CAA-CBA
14	U	516	CLA	C1A-C2A-CAA-CBA
14	U	517	CLA	C1A-C2A-CAA-CBA
14	V	516	CLA	C1A-C2A-CAA-CBA
14	V	517	CLA	C1A-C2A-CAA-CBA
14	V	519	CLA	C1A-C2A-CAA-CBA
14	W	517	CLA	C1A-C2A-CAA-CBA
14	X	501	CLA	C1A-C2A-CAA-CBA
14	X	516	CLA	C1A-C2A-CAA-CBA
14	Z	504	CLA	C1A-C2A-CAA-CBA
14	b	511	CLA	C1A-C2A-CAA-CBA
14	d	517	CLA	C1A-C2A-CAA-CBA
14	e	505	CLA	C1A-C2A-CAA-CBA
14	e	508	CLA	C1A-C2A-CAA-CBA
14	e	517	CLA	C1A-C2A-CAA-CBA
14	g	501	CLA	C1A-C2A-CAA-CBA
14	g	517	CLA	C1A-C2A-CAA-CBA
14	h	501	CLA	C1A-C2A-CAA-CBA
14	j	501	CLA	C1A-C2A-CAA-CBA
14	j	518	CLA	C1A-C2A-CAA-CBA
14	k	516	CLA	C1A-C2A-CAA-CBA
14	l	516	CLA	C1A-C2A-CAA-CBA
14	l	518	CLA	C1A-C2A-CAA-CBA
14	m	501	CLA	C1A-C2A-CAA-CBA
14	m	519	CLA	C1A-C2A-CAA-CBA
14	n	501	CLA	C1A-C2A-CAA-CBA
14	o	501	CLA	C1A-C2A-CAA-CBA
14	p	516	CLA	C1A-C2A-CAA-CBA
14	q	516	CLA	C1A-C2A-CAA-CBA
14	aB	1221	CLA	C8-C10-C11-C12
20	Y	822	SQD	O5-C1-O6-C44
14	bB	1012	CLA	O1A-CGA-O2A-C1
18	aA	5001	LHG	C26-C27-C28-C29
21	b1	5104	LMG	C32-C33-C34-C35

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Mol	Chain	Res	Type	Atoms
14	aA	1116	CLA	C5-C6-C7-C8
14	b	510	CLA	C5-C6-C7-C8
14	c3	513	CLA	CBD-CGD-O2D-CED
21	bB	5002	LMG	C33-C34-C35-C36
14	S	503	CLA	C3-C5-C6-C7
14	aA	1109	CLA	C11-C12-C13-C15
14	aA	1117	CLA	C11-C12-C13-C15
14	aA	1119	CLA	C11-C10-C8-C7
14	aA	1126	CLA	C11-C10-C8-C7
14	aA	1132	CLA	C12-C13-C15-C16
14	aA	1133	CLA	C11-C12-C13-C15
14	aA	1134	CLA	C6-C7-C8-C10
14	aA	1237	CLA	C6-C7-C8-C10
14	aB	1012	CLA	C11-C10-C8-C7
14	aB	1021	CLA	C11-C12-C13-C15
14	aB	1203	CLA	C11-C12-C13-C15
14	aB	1210	CLA	C6-C7-C8-C10
14	aB	1223	CLA	C6-C7-C8-C10
14	aB	1225	CLA	C12-C13-C15-C16
14	aB	1235	CLA	C11-C12-C13-C15
14	aB	1239	CLA	C11-C12-C13-C15
14	a2	507	CLA	C11-C10-C8-C7
14	a3	507	CLA	C11-C10-C8-C7
14	a3	507	CLA	C12-C13-C15-C16
14	a3	518	CLA	C6-C7-C8-C10
14	a4	502	CLA	C11-C10-C8-C7
14	a4	507	CLA	C11-C10-C8-C7
14	a6	503	CLA	C6-C7-C8-C10
14	a6	503	CLA	C11-C10-C8-C7
14	a6	504	CLA	C11-C10-C8-C7
14	a6	507	CLA	C11-C10-C8-C7
14	a6	509	CLA	C6-C7-C8-C10
14	bA	1125	CLA	C6-C7-C8-C10
14	bA	1132	CLA	C12-C13-C15-C16
14	bB	1021	CLA	C11-C12-C13-C15
14	bB	1203	CLA	C6-C7-C8-C10
14	bB	1203	CLA	C11-C12-C13-C15
14	bB	1205	CLA	C11-C10-C8-C7
14	bB	1210	CLA	C11-C10-C8-C7
14	bB	1210	CLA	C11-C12-C13-C15
14	bB	1210	CLA	C12-C13-C15-C16
14	bB	1214	CLA	C11-C12-C13-C15

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Mol	Chain	Res	Type	Atoms
14	bB	1223	CLA	C6-C7-C8-C10
14	bB	1239	CLA	C11-C12-C13-C15
14	b1	503	CLA	C12-C13-C15-C16
14	b1	505	CLA	C12-C13-C15-C16
14	b3	502	CLA	C11-C10-C8-C7
14	b3	505	CLA	C12-C13-C15-C16
14	b5	501	CLA	C11-C10-C8-C7
14	cA	1117	CLA	C11-C12-C13-C15
14	cA	1133	CLA	C11-C12-C13-C15
14	cB	1012	CLA	C12-C13-C15-C16
14	cB	1210	CLA	C6-C7-C8-C10
14	cB	1223	CLA	C6-C7-C8-C10
14	cB	1224	CLA	C6-C7-C8-C10
14	c1	507	CLA	C11-C10-C8-C7
14	c2	509	CLA	C6-C7-C8-C10
14	c3	511	CLA	C11-C10-C8-C7
14	c4	507	CLA	C11-C10-C8-C7
14	V	505	CLA	C12-C13-C15-C16
15	aB	2002	PQN	C17-C18-C20-C21
15	cA	2001	PQN	C22-C23-C25-C26
15	cB	2002	PQN	C17-C18-C20-C21
14	b5	505	CLA	C16-C17-C18-C20
15	aA	2001	PQN	C26-C27-C28-C29
14	bA	1101	CLA	C10-C11-C12-C13
14	aA	1105	CLA	O1A-CGA-O2A-C1
14	U	513	CLA	O1D-CGD-O2D-CED
20	a3	822	SQD	C26-C27-C28-C29
14	aB	1231	CLA	CBD-CGD-O2D-CED
14	T	508	CLA	CBD-CGD-O2D-CED
14	aA	1122	CLA	C8-C10-C11-C12
14	b2	510	CLA	C5-C6-C7-C8
14	cA	1106	CLA	C5-C6-C7-C8
14	S	510	CLA	C5-C6-C7-C8
14	d	509	CLA	C5-C6-C7-C8
18	aA	5001	LHG	C7-C8-C9-C10
21	c1	5104	LMG	C31-C32-C33-C34
14	aA	1129	CLA	C4-C3-C5-C6
14	a6	503	CLA	C4-C3-C5-C6
14	cA	1022	CLA	C4-C3-C5-C6
14	cB	1205	CLA	C4-C3-C5-C6
15	aA	2001	PQN	C14-C13-C15-C16
14	aA	1129	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	a5	505	CLA	C2-C3-C5-C6
14	b4	505	CLA	C2-C3-C5-C6
14	a3	510	CLA	O1D-CGD-O2D-CED
14	cA	1101	CLA	C8-C10-C11-C12
14	c	509	CLA	C8-C10-C11-C12
20	V	822	SQD	C23-C24-C25-C26
14	aB	1202	CLA	C2A-CAA-CBA-CGA
14	a1	518	CLA	C2A-CAA-CBA-CGA
14	a4	505	CLA	C2A-CAA-CBA-CGA
14	a5	501	CLA	C2A-CAA-CBA-CGA
14	bA	1121	CLA	C2A-CAA-CBA-CGA
14	bB	1202	CLA	C2A-CAA-CBA-CGA
14	bB	1225	CLA	C2A-CAA-CBA-CGA
14	bB	1227	CLA	C2A-CAA-CBA-CGA
14	bJ	1302	CLA	C2A-CAA-CBA-CGA
14	b2	501	CLA	C2A-CAA-CBA-CGA
14	cA	1022	CLA	C2A-CAA-CBA-CGA
14	cB	1227	CLA	C2A-CAA-CBA-CGA
14	c1	501	CLA	C2A-CAA-CBA-CGA
14	c2	501	CLA	C2A-CAA-CBA-CGA
14	c2	518	CLA	C2A-CAA-CBA-CGA
14	c5	518	CLA	C2A-CAA-CBA-CGA
14	c6	518	CLA	C2A-CAA-CBA-CGA
14	S	518	CLA	C2A-CAA-CBA-CGA
14	W	506	CLA	C2A-CAA-CBA-CGA
14	Y	512	CLA	C2A-CAA-CBA-CGA
14	d	506	CLA	C2A-CAA-CBA-CGA
14	e	501	CLA	C2A-CAA-CBA-CGA
14	e	518	CLA	C2A-CAA-CBA-CGA
14	f	501	CLA	C2A-CAA-CBA-CGA
14	f	513	CLA	C2A-CAA-CBA-CGA
14	k	501	CLA	C2A-CAA-CBA-CGA
14	k	505	CLA	C2A-CAA-CBA-CGA
14	l	519	CLA	C2A-CAA-CBA-CGA
14	aA	1103	CLA	C11-C10-C8-C9
14	aA	1106	CLA	C11-C12-C13-C14
14	aA	1109	CLA	C11-C10-C8-C9
14	aA	1117	CLA	C11-C12-C13-C14
14	aA	1237	CLA	C6-C7-C8-C9
14	aB	1023	CLA	C11-C12-C13-C14
14	aB	1203	CLA	C6-C7-C8-C9
14	aB	1203	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
14	aB	1205	CLA	C11-C10-C8-C9
14	aB	1210	CLA	C6-C7-C8-C9
14	aB	1213	CLA	C14-C13-C15-C16
14	aB	1225	CLA	C14-C13-C15-C16
14	aB	1229	CLA	C14-C13-C15-C16
14	aB	1239	CLA	C11-C12-C13-C14
14	a1	505	CLA	C6-C7-C8-C9
14	a3	504	CLA	C11-C10-C8-C9
14	a3	511	CLA	C11-C10-C8-C9
14	a5	507	CLA	C11-C10-C8-C9
14	a6	503	CLA	C11-C10-C8-C9
14	a6	504	CLA	C11-C10-C8-C9
14	a6	507	CLA	C11-C10-C8-C9
14	bA	1106	CLA	C11-C12-C13-C14
14	bA	1117	CLA	C11-C12-C13-C14
14	bA	1132	CLA	C14-C13-C15-C16
14	bB	1012	CLA	C11-C10-C8-C9
14	bB	1021	CLA	C11-C12-C13-C14
14	bB	1203	CLA	C11-C10-C8-C9
14	bB	1214	CLA	C11-C12-C13-C14
14	bB	1214	CLA	C14-C13-C15-C16
14	bB	1229	CLA	C14-C13-C15-C16
14	bB	1239	CLA	C11-C12-C13-C14
14	b1	505	CLA	C14-C13-C15-C16
14	b2	505	CLA	C14-C13-C15-C16
14	b2	507	CLA	C11-C10-C8-C9
14	b2	507	CLA	C14-C13-C15-C16
14	b3	504	CLA	C11-C10-C8-C9
14	b3	505	CLA	C14-C13-C15-C16
14	b5	501	CLA	C11-C10-C8-C9
14	cA	1117	CLA	C11-C12-C13-C14
14	cA	1136	CLA	C11-C10-C8-C9
14	cB	1012	CLA	C11-C10-C8-C9
14	cB	1021	CLA	C11-C12-C13-C14
14	cB	1210	CLA	C6-C7-C8-C9
14	cB	1210	CLA	C14-C13-C15-C16
14	cB	1224	CLA	C6-C7-C8-C9
14	c3	503	CLA	C14-C13-C15-C16
14	c3	504	CLA	C6-C7-C8-C9
14	c3	505	CLA	C14-C13-C15-C16
14	c3	511	CLA	C11-C10-C8-C9
14	c4	507	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
14	V	505	CLA	C14-C13-C15-C16
14	a	505	CLA	C14-C13-C15-C16
14	c	505	CLA	C14-C13-C15-C16
14	p	509	CLA	C11-C12-C13-C14
15	cA	2001	PQN	C24-C23-C25-C26
21	bJ	5104	LMG	C11-C12-C13-C14
21	cB	5002	LMG	C29-C30-C31-C32
14	aA	1126	CLA	C16-C17-C18-C20
14	bA	1116	CLA	C11-C12-C13-C15
14	a1	504	CLA	CBA-CGA-O2A-C1
14	a3	508	CLA	CBA-CGA-O2A-C1
14	a5	512	CLA	CBA-CGA-O2A-C1
14	a6	503	CLA	CBA-CGA-O2A-C1
14	b6	503	CLA	CBA-CGA-O2A-C1
14	cJ	1302	CLA	CBA-CGA-O2A-C1
14	V	508	CLA	CBA-CGA-O2A-C1
14	q	510	CLA	CBA-CGA-O2A-C1
20	V	822	SQD	C24-C23-O48-C46
21	aJ	5104	LMG	C29-C28-O8-C9
14	b3	507	CLA	C10-C11-C12-C13
14	V	509	CLA	C10-C11-C12-C13
14	W	518	CLA	O1A-CGA-O2A-C1
21	b2	5104	LMG	O6-C5-C6-O5
14	a3	517	CLA	O1D-CGD-O2D-CED
14	bA	1140	CLA	O1D-CGD-O2D-CED
14	cA	1115	CLA	O1D-CGD-O2D-CED
20	a4	822	SQD	C24-C25-C26-C27
14	a	505	CLA	C15-C16-C17-C18
14	b3	518	CLA	C11-C10-C8-C9
18	aA	5004	LHG	C4-C5-C6-O8
18	aA	5005	LHG	C4-C5-C6-O8
18	bA	5004	LHG	C4-C5-C6-O8
18	cA	5001	LHG	C4-C5-C6-O8
18	cA	5004	LHG	C4-C5-C6-O8
20	a5	822	SQD	C44-C45-C46-O48
20	a6	822	SQD	O6-C44-C45-C46
20	a6	822	SQD	C44-C45-C46-O48
20	b4	822	SQD	C44-C45-C46-O48
20	c4	822	SQD	C44-C45-C46-O48
20	T	822	SQD	O6-C44-C45-C46
20	Y	822	SQD	O6-C44-C45-C46
18	bA	5002	LHG	C28-C29-C30-C31

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Mol	Chain	Res	Type	Atoms
14	c6	508	CLA	O1A-CGA-O2A-C1
14	a3	512	CLA	O1D-CGD-O2D-CED
21	bB	5002	LMG	O6-C5-C6-O5
20	bB	1852	SQD	C11-C12-C13-C14
14	b1	509	CLA	C5-C6-C7-C8
14	cB	1226	CLA	C5-C6-C7-C8
14	c1	501	CLA	C13-C15-C16-C17
14	c3	510	CLA	C5-C6-C7-C8
19	bA	1849	LMU	C1-C2-C3-C4
14	aB	1230	CLA	CBA-CGA-O2A-C1
14	a1	518	CLA	CBA-CGA-O2A-C1
14	bB	1230	CLA	CBA-CGA-O2A-C1
14	b1	504	CLA	CBA-CGA-O2A-C1
14	cA	1129	CLA	CBA-CGA-O2A-C1
14	cB	1216	CLA	CBA-CGA-O2A-C1
14	T	518	CLA	CBA-CGA-O2A-C1
14	a1	511	CLA	C6-C7-C8-C10
14	bA	1115	CLA	C11-C12-C13-C15
14	b2	501	CLA	C16-C17-C18-C19
14	cB	1226	CLA	C16-C17-C18-C19
14	U	510	CLA	C6-C7-C8-C9
14	e	510	CLA	C6-C7-C8-C10
20	aB	1852	SQD	C11-C12-C13-C14
14	bA	1136	CLA	C8-C10-C11-C12
14	n	504	CLA	O1D-CGD-O2D-CED
14	aA	1106	CLA	O1D-CGD-O2D-CED
14	a3	507	CLA	O1D-CGD-O2D-CED
14	cA	1013	CLA	C15-C16-C17-C18
14	c1	509	CLA	C8-C10-C11-C12
14	a1	508	CLA	C3-C5-C6-C7
18	cA	5001	LHG	C23-C24-C25-C26
14	a4	501	CLA	O1A-CGA-O2A-C1
14	bB	1219	CLA	O1A-CGA-O2A-C1
14	S	511	CLA	O1A-CGA-O2A-C1
20	c4	822	SQD	O10-C23-O48-C46
14	bB	1218	CLA	C4-C3-C5-C6
14	b4	504	CLA	C4-C3-C5-C6
14	bA	1237	CLA	CBD-CGD-O2D-CED
14	aB	1226	CLA	C2-C3-C5-C6
14	cA	1022	CLA	C2-C3-C5-C6
14	aB	1210	CLA	C5-C6-C7-C8
14	bB	1203	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
14	bL	1502	CLA	C10-C11-C12-C13
14	cA	1107	CLA	C5-C6-C7-C8
14	cA	1126	CLA	C15-C16-C17-C18
18	cA	5005	LHG	C32-C33-C34-C35
21	a6	5104	LMG	C30-C31-C32-C33
14	cA	1126	CLA	C16-C17-C18-C20
18	bA	5002	LHG	C11-C10-C9-C8
21	bJ	5104	LMG	O6-C5-C6-O5
21	cJ	5104	LMG	O6-C5-C6-O5
17	b3	524	BCR	C21-C22-C23-C24
17	c4	521	BCR	C11-C12-C13-C14
14	a3	508	CLA	O1A-CGA-O2A-C1
14	cB	1012	CLA	O1A-CGA-O2A-C1
14	c4	501	CLA	O1A-CGA-O2A-C1
14	S	513	CLA	O1A-CGA-O2A-C1
14	aA	1126	CLA	C15-C16-C17-C18
14	a1	505	CLA	C15-C16-C17-C18
14	bA	1116	CLA	C5-C6-C7-C8
14	bB	1203	CLA	C5-C6-C7-C8
14	bB	1226	CLA	C5-C6-C7-C8
14	b2	501	CLA	C15-C16-C17-C18
14	cB	1210	CLA	C5-C6-C7-C8
14	c	510	CLA	C5-C6-C7-C8
21	aB	5002	LMG	C33-C34-C35-C36
21	cB	5002	LMG	C34-C35-C36-C37
14	cA	1116	CLA	C2A-CAA-CBA-CGA
14	a	511	CLA	C2A-CAA-CBA-CGA
14	c	518	CLA	C2A-CAA-CBA-CGA
14	l	508	CLA	O1A-CGA-O2A-C1
14	bA	1122	CLA	C5-C6-C7-C8
14	b2	502	CLA	C5-C6-C7-C8
20	V	822	SQD	C7-C8-C9-C10
14	cJ	1302	CLA	O1A-CGA-O2A-C1
14	c4	505	CLA	O1A-CGA-O2A-C1
14	a3	504	CLA	O1D-CGD-O2D-CED
14	a5	516	CLA	O1D-CGD-O2D-CED
14	cB	1217	CLA	O1D-CGD-O2D-CED
14	k	517	CLA	O1D-CGD-O2D-CED
14	b4	519	CLA	CBA-CGA-O2A-C1
14	b5	512	CLA	CBA-CGA-O2A-C1
14	i	518	CLA	CBA-CGA-O2A-C1
14	cA	1112	CLA	O2A-C1-C2-C3

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Mol	Chain	Res	Type	Atoms
20	a1	822	SQD	C46-C45-O47-C7
20	b1	822	SQD	C46-C45-O47-C7
20	b6	822	SQD	C46-C45-O47-C7
20	Z	822	SQD	C46-C45-O47-C7
20	d	822	SQD	C46-C45-O47-C7
20	m	822	SQD	C46-C45-O47-C7
14	aA	1107	CLA	C5-C6-C7-C8
14	a4	509	CLA	C5-C6-C7-C8
18	bA	5004	LHG	C12-C13-C14-C15
17	S	522	BCR	C9-C10-C11-C12
14	b2	501	CLA	C16-C17-C18-C20
14	b6	503	CLA	O1A-CGA-O2A-C1
14	c5	504	CLA	C3-C5-C6-C7
14	T	519	CLA	CBD-CGD-O2D-CED
14	b3	505	CLA	O1D-CGD-O2D-CED
14	b5	512	CLA	O1D-CGD-O2D-CED
14	a	512	CLA	O1D-CGD-O2D-CED
18	aX	4021	LHG	O6-C4-C5-O7
14	bA	1013	CLA	C8-C10-C11-C12
14	cA	1022	CLA	C10-C11-C12-C13
18	cA	5001	LHG	C26-C27-C28-C29
14	a2	508	CLA	O1D-CGD-O2D-CED
14	cB	1201	CLA	O1D-CGD-O2D-CED
14	c5	509	CLA	O1D-CGD-O2D-CED
14	aA	1137	CLA	CBA-CGA-O2A-C1
14	bA	1137	CLA	CBA-CGA-O2A-C1
14	bB	1211	CLA	CBA-CGA-O2A-C1
14	cA	1107	CLA	CBA-CGA-O2A-C1
14	c4	503	CLA	CBA-CGA-O2A-C1
14	S	518	CLA	CBA-CGA-O2A-C1
14	d	518	CLA	CBA-CGA-O2A-C1
18	aA	5004	LHG	C24-C23-O8-C6
14	X	509	CLA	CBD-CGD-O2D-CED
14	q	510	CLA	O1A-CGA-O2A-C1
18	aA	5005	LHG	C27-C28-C29-C30
14	Y	518	CLA	C4-C3-C5-C6
14	i	505	CLA	C4-C3-C5-C6
14	aB	1218	CLA	C2-C3-C5-C6
14	cB	1205	CLA	C2-C3-C5-C6
14	T	505	CLA	C2-C3-C5-C6
14	bA	1105	CLA	C3-C5-C6-C7
14	b5	505	CLA	C16-C17-C18-C19

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Mol	Chain	Res	Type	Atoms
19	aB	1843	LMU	C11-C10-C9-C8
14	aB	1227	CLA	C6-C7-C8-C9
20	c3	822	SQD	C23-C24-C25-C26
18	cA	5001	LHG	C12-C13-C14-C15
21	aB	5002	LMG	C29-C30-C31-C32
20	b4	822	SQD	O6-C44-C45-O47
21	c1	5104	LMG	O1-C7-C8-O7
20	cB	1852	SQD	C9-C10-C11-C12
20	m	822	SQD	C11-C10-C9-C8
19	cB	1843	LMU	C5-C6-C7-C8
19	cA	1849	LMU	C4-C5-C6-C7
14	bA	1102	CLA	CAA-CBA-CGA-O2A
14	cA	1102	CLA	CAA-CBA-CGA-O2A
14	cB	1021	CLA	CAA-CBA-CGA-O2A
14	S	518	CLA	CAA-CBA-CGA-O2A
14	W	518	CLA	CAA-CBA-CGA-O2A
14	i	518	CLA	CAA-CBA-CGA-O2A
20	b5	822	SQD	O47-C7-C8-C9
20	Y	822	SQD	O47-C7-C8-C9
20	c	822	SQD	O47-C7-C8-C9
20	m	822	SQD	O47-C7-C8-C9
14	c3	518	CLA	C2A-CAA-CBA-CGA
14	V	501	CLA	C2A-CAA-CBA-CGA
14	W	501	CLA	C2A-CAA-CBA-CGA
14	g	501	CLA	C2A-CAA-CBA-CGA
14	bA	1120	CLA	C3-C5-C6-C7
14	b3	511	CLA	C2-C1-O2A-CGA
14	a1	511	CLA	C6-C7-C8-C9
14	U	510	CLA	C6-C7-C8-C10
14	cB	1227	CLA	C6-C7-C8-C9
21	bB	5002	LMG	C17-C18-C19-C20
14	a6	508	CLA	O1A-CGA-O2A-C1
14	bB	1230	CLA	O1A-CGA-O2A-C1
14	aL	1503	CLA	C10-C11-C12-C13
14	bA	1104	CLA	C15-C16-C17-C18
14	c3	511	CLA	C5-C6-C7-C8
21	b1	5104	LMG	C31-C32-C33-C34
14	aB	1211	CLA	CBA-CGA-O2A-C1
14	bA	1107	CLA	CBA-CGA-O2A-C1
14	bA	1139	CLA	CBA-CGA-O2A-C1
14	bA	1237	CLA	CBA-CGA-O2A-C1
14	cA	1105	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	cA	1139	CLA	CBA-CGA-O2A-C1
14	c4	510	CLA	CBA-CGA-O2A-C1
14	c	502	CLA	CBA-CGA-O2A-C1
14	o	518	CLA	CBA-CGA-O2A-C1
20	e	822	SQD	C24-C23-O48-C46
21	cB	5002	LMG	C17-C18-C19-C20
14	b1	504	CLA	CBD-CGD-O2D-CED
18	bA	5005	LHG	C8-C7-O7-C5
14	cA	1115	CLA	C10-C11-C12-C13
14	c2	505	CLA	C8-C10-C11-C12
14	c6	501	CLA	C13-C15-C16-C17
14	a5	512	CLA	O1A-CGA-O2A-C1
14	S	507	CLA	O1D-CGD-O2D-CED
18	cA	5001	LHG	C7-C8-C9-C10
20	b4	822	SQD	C7-C8-C9-C10
14	a2	502	CLA	C5-C6-C7-C8
14	a3	511	CLA	C10-C11-C12-C13
14	bA	1140	CLA	C10-C11-C12-C13
14	bB	1225	CLA	C10-C11-C12-C13
14	b4	508	CLA	C5-C6-C7-C8
14	b6	501	CLA	C13-C15-C16-C17
14	c2	503	CLA	C15-C16-C17-C18
14	d	509	CLA	C10-C11-C12-C13
14	j	509	CLA	C5-C6-C7-C8
14	aB	1201	CLA	O1D-CGD-O2D-CED
14	c2	505	CLA	O1D-CGD-O2D-CED
14	V	519	CLA	O1D-CGD-O2D-CED
14	aB	1215	CLA	C14-C13-C15-C16
14	a2	507	CLA	C14-C13-C15-C16
14	aB	1226	CLA	C16-C17-C18-C20
14	a6	513	CLA	C6-C7-C8-C10
14	bA	1116	CLA	C11-C12-C13-C14
14	aB	1205	CLA	C4-C3-C5-C6
14	a4	505	CLA	C4-C3-C5-C6
14	bB	1205	CLA	C4-C3-C5-C6
14	o	503	CLA	C4-C3-C5-C6
15	bA	2001	PQN	C14-C13-C15-C16
15	cA	2001	PQN	C14-C13-C15-C16
14	a3	504	CLA	C2-C3-C5-C6
14	a6	513	CLA	C2-C3-C5-C6
14	aA	1107	CLA	CBA-CGA-O2A-C1
14	aA	1011	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	a5	503	CLA	CBA-CGA-O2A-C1
14	b1	518	CLA	CBA-CGA-O2A-C1
14	cA	1137	CLA	CBA-CGA-O2A-C1
14	c5	503	CLA	CBA-CGA-O2A-C1
14	g	501	CLA	CBA-CGA-O2A-C1
14	aA	1136	CLA	C8-C10-C11-C12
14	bA	1126	CLA	C15-C16-C17-C18
20	n	822	SQD	C9-C10-C11-C12
14	Z	505	CLA	O1D-CGD-O2D-CED
20	T	822	SQD	O49-C7-O47-C45
14	aA	1103	CLA	C11-C12-C13-C14
14	aA	1109	CLA	C11-C12-C13-C14
14	aA	1132	CLA	C14-C13-C15-C16
14	aA	1133	CLA	C11-C12-C13-C14
14	aA	1138	CLA	C11-C10-C8-C9
14	aB	1012	CLA	C11-C10-C8-C9
14	aB	1021	CLA	C11-C12-C13-C14
14	aB	1210	CLA	C14-C13-C15-C16
14	aB	1211	CLA	C11-C12-C13-C14
14	aB	1214	CLA	C11-C10-C8-C9
14	aB	1214	CLA	C14-C13-C15-C16
14	aB	1223	CLA	C6-C7-C8-C9
14	aB	1225	CLA	C11-C12-C13-C14
14	a2	505	CLA	C14-C13-C15-C16
14	a2	507	CLA	C11-C10-C8-C9
14	a3	507	CLA	C11-C10-C8-C9
14	a3	507	CLA	C14-C13-C15-C16
14	a3	511	CLA	C11-C12-C13-C14
14	a4	502	CLA	C11-C10-C8-C9
14	a4	507	CLA	C11-C10-C8-C9
14	a4	509	CLA	C11-C12-C13-C14
14	a4	509	CLA	C14-C13-C15-C16
14	bA	1103	CLA	C11-C10-C8-C9
14	bB	1201	CLA	C6-C7-C8-C9
14	bB	1203	CLA	C6-C7-C8-C9
14	bB	1205	CLA	C11-C10-C8-C9
14	bB	1210	CLA	C11-C10-C8-C9
14	bB	1210	CLA	C14-C13-C15-C16
14	bB	1214	CLA	C11-C10-C8-C9
14	bB	1221	CLA	C11-C10-C8-C9
14	bB	1223	CLA	C6-C7-C8-C9
14	bL	1503	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
14	b1	503	CLA	C14-C13-C15-C16
14	b4	507	CLA	C11-C10-C8-C9
14	b4	509	CLA	C11-C12-C13-C14
14	b5	505	CLA	C11-C12-C13-C14
14	cA	1116	CLA	C6-C7-C8-C9
14	cA	1132	CLA	C14-C13-C15-C16
14	cA	1138	CLA	C11-C10-C8-C9
14	cB	1012	CLA	C14-C13-C15-C16
14	cB	1205	CLA	C11-C10-C8-C9
14	cB	1223	CLA	C6-C7-C8-C9
14	c1	507	CLA	C11-C10-C8-C9
14	c4	509	CLA	C11-C12-C13-C14
14	X	507	CLA	C11-C10-C8-C9
14	a	503	CLA	C11-C10-C8-C9
14	a	509	CLA	C6-C7-C8-C9
14	h	509	CLA	C11-C12-C13-C14
14	q	509	CLA	C11-C12-C13-C14
15	aA	2001	PQN	C21-C22-C23-C24
15	aA	2001	PQN	C24-C23-C25-C26
15	bA	2001	PQN	C24-C23-C25-C26
15	cA	2001	PQN	C16-C17-C18-C19
14	bA	1105	CLA	O1D-CGD-O2D-CED
14	d	502	CLA	O1D-CGD-O2D-CED
14	cB	1206	CLA	C5-C6-C7-C8
14	c2	508	CLA	C5-C6-C7-C8
14	aA	1101	CLA	C4B-C3B-CAB-CBB
14	aA	1116	CLA	C4B-C3B-CAB-CBB
14	aA	1118	CLA	C4B-C3B-CAB-CBB
14	aA	1121	CLA	C4B-C3B-CAB-CBB
14	aA	1134	CLA	C4B-C3B-CAB-CBB
14	aA	1136	CLA	C4B-C3B-CAB-CBB
14	aA	1237	CLA	C4B-C3B-CAB-CBB
14	aB	1234	CLA	C4B-C3B-CAB-CBB
14	aF	1301	CLA	C4B-C3B-CAB-CBB
14	aK	1103	CLA	C4B-C3B-CAB-CBB
14	aK	1401	CLA	C4B-C3B-CAB-CBB
14	a1	502	CLA	C4B-C3B-CAB-CBB
14	a4	518	CLA	C4B-C3B-CAB-CBB
14	a5	502	CLA	C4B-C3B-CAB-CBB
14	a5	518	CLA	C4B-C3B-CAB-CBB
14	a6	502	CLA	C4B-C3B-CAB-CBB
14	a6	518	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	bA	1110	CLA	C4B-C3B-CAB-CBB
14	bA	1116	CLA	C4B-C3B-CAB-CBB
14	bA	1118	CLA	C4B-C3B-CAB-CBB
14	bA	1121	CLA	C4B-C3B-CAB-CBB
14	bA	1131	CLA	C4B-C3B-CAB-CBB
14	bA	1136	CLA	C4B-C3B-CAB-CBB
14	bA	1140	CLA	C4B-C3B-CAB-CBB
14	bB	1209	CLA	C4B-C3B-CAB-CBB
14	bB	1227	CLA	C4B-C3B-CAB-CBB
14	bJ	1302	CLA	C4B-C3B-CAB-CBB
14	bK	1103	CLA	C4B-C3B-CAB-CBB
14	bK	1401	CLA	C4B-C3B-CAB-CBB
14	b1	516	CLA	C4B-C3B-CAB-CBB
14	b3	504	CLA	C4B-C3B-CAB-CBB
14	b4	503	CLA	C4B-C3B-CAB-CBB
14	b4	504	CLA	C4B-C3B-CAB-CBB
14	b4	517	CLA	C4B-C3B-CAB-CBB
14	b5	502	CLA	C4B-C3B-CAB-CBB
14	b6	501	CLA	C4B-C3B-CAB-CBB
14	b6	503	CLA	C4B-C3B-CAB-CBB
14	cA	1116	CLA	C4B-C3B-CAB-CBB
14	cA	1118	CLA	C4B-C3B-CAB-CBB
14	cA	1121	CLA	C4B-C3B-CAB-CBB
14	cA	1237	CLA	C4B-C3B-CAB-CBB
14	cB	1209	CLA	C4B-C3B-CAB-CBB
14	cB	1227	CLA	C4B-C3B-CAB-CBB
14	cJ	1302	CLA	C4B-C3B-CAB-CBB
14	cK	1103	CLA	C4B-C3B-CAB-CBB
14	cK	1401	CLA	C4B-C3B-CAB-CBB
14	c5	518	CLA	C4B-C3B-CAB-CBB
14	c6	503	CLA	C4B-C3B-CAB-CBB
14	c6	517	CLA	C4B-C3B-CAB-CBB
14	c6	518	CLA	C4B-C3B-CAB-CBB
14	T	501	CLA	C4B-C3B-CAB-CBB
14	U	501	CLA	C4B-C3B-CAB-CBB
14	V	517	CLA	C4B-C3B-CAB-CBB
14	W	504	CLA	C4B-C3B-CAB-CBB
14	X	501	CLA	C4B-C3B-CAB-CBB
14	X	502	CLA	C4B-C3B-CAB-CBB
14	X	518	CLA	C4B-C3B-CAB-CBB
14	Z	504	CLA	C4B-C3B-CAB-CBB
14	Z	516	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	b	501	CLA	C4B-C3B-CAB-CBB
14	b	519	CLA	C4B-C3B-CAB-CBB
14	d	501	CLA	C4B-C3B-CAB-CBB
14	d	503	CLA	C4B-C3B-CAB-CBB
14	e	501	CLA	C4B-C3B-CAB-CBB
14	e	502	CLA	C4B-C3B-CAB-CBB
14	f	501	CLA	C4B-C3B-CAB-CBB
14	f	502	CLA	C4B-C3B-CAB-CBB
14	f	518	CLA	C4B-C3B-CAB-CBB
14	g	501	CLA	C4B-C3B-CAB-CBB
14	i	501	CLA	C4B-C3B-CAB-CBB
14	i	516	CLA	C4B-C3B-CAB-CBB
14	j	504	CLA	C4B-C3B-CAB-CBB
14	j	517	CLA	C4B-C3B-CAB-CBB
14	k	504	CLA	C4B-C3B-CAB-CBB
14	l	501	CLA	C4B-C3B-CAB-CBB
14	l	517	CLA	C4B-C3B-CAB-CBB
14	m	504	CLA	C4B-C3B-CAB-CBB
14	m	501	CLA	C4B-C3B-CAB-CBB
14	m	517	CLA	C4B-C3B-CAB-CBB
14	n	517	CLA	C4B-C3B-CAB-CBB
14	o	501	CLA	C4B-C3B-CAB-CBB
14	p	501	CLA	C4B-C3B-CAB-CBB
14	p	502	CLA	C4B-C3B-CAB-CBB
14	p	509	CLA	C4B-C3B-CAB-CBB
14	b2	505	CLA	O1D-CGD-O2D-CED
14	cA	1105	CLA	O1D-CGD-O2D-CED
14	c2	509	CLA	O1D-CGD-O2D-CED
14	S	505	CLA	O1D-CGD-O2D-CED
14	c2	518	CLA	CAA-CBA-CGA-O2A
14	a2	501	CLA	C15-C16-C17-C18
14	a2	509	CLA	C10-C11-C12-C13
14	b6	505	CLA	C15-C16-C17-C18
14	cA	1136	CLA	C8-C10-C11-C12
14	bL	1503	CLA	C16-C17-C18-C20
14	c5	505	CLA	C16-C17-C18-C20
14	aA	1119	CLA	C2A-CAA-CBA-CGA
14	a3	501	CLA	C2A-CAA-CBA-CGA
14	b1	512	CLA	C2A-CAA-CBA-CGA
14	b2	518	CLA	C2A-CAA-CBA-CGA
14	b3	518	CLA	C2A-CAA-CBA-CGA
14	T	501	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	n	518	CLA	C2A-CAA-CBA-CGA
14	p	513	CLA	C2A-CAA-CBA-CGA
14	q	501	CLA	C2A-CAA-CBA-CGA
14	W	503	CLA	C3-C5-C6-C7
18	cA	5005	LHG	O6-C4-C5-C6
18	aA	5005	LHG	C9-C10-C11-C12
14	a	518	CLA	CAA-CBA-CGA-O2A
20	V	822	SQD	O47-C7-C8-C9
20	b	822	SQD	O47-C7-C8-C9
14	aA	1103	CLA	C11-C10-C8-C7
14	aA	1103	CLA	C11-C12-C13-C15
14	aA	1104	CLA	C6-C7-C8-C10
14	aA	1106	CLA	C11-C12-C13-C15
14	aA	1109	CLA	C11-C10-C8-C7
14	aB	1203	CLA	C6-C7-C8-C10
14	aB	1205	CLA	C11-C10-C8-C7
14	aB	1210	CLA	C12-C13-C15-C16
14	aB	1213	CLA	C12-C13-C15-C16
14	aB	1216	CLA	C11-C10-C8-C7
14	aB	1229	CLA	C12-C13-C15-C16
14	aB	1239	CLA	C11-C10-C8-C7
14	aL	1501	CLA	C11-C10-C8-C7
14	a1	505	CLA	C12-C13-C15-C16
14	a3	504	CLA	C11-C10-C8-C7
14	a3	511	CLA	C11-C10-C8-C7
14	a4	509	CLA	C11-C12-C13-C15
14	a5	507	CLA	C11-C10-C8-C7
14	a6	504	CLA	C11-C12-C13-C15
14	a6	505	CLA	C12-C13-C15-C16
14	a6	507	CLA	C11-C12-C13-C15
14	bA	1103	CLA	C11-C10-C8-C7
14	bA	1103	CLA	C11-C12-C13-C15
14	bA	1104	CLA	C6-C7-C8-C10
14	bA	1104	CLA	C12-C13-C15-C16
14	bA	1106	CLA	C11-C12-C13-C15
14	bA	1117	CLA	C11-C12-C13-C15
14	bB	1012	CLA	C11-C10-C8-C7
14	bB	1225	CLA	C11-C10-C8-C7
14	bB	1229	CLA	C12-C13-C15-C16
14	bL	1501	CLA	C11-C10-C8-C7
14	b2	505	CLA	C12-C13-C15-C16
14	b2	507	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
14	b2	507	CLA	C12-C13-C15-C16
14	b3	504	CLA	C11-C10-C8-C7
14	b3	511	CLA	C11-C12-C13-C15
14	b4	507	CLA	C11-C10-C8-C7
14	b4	509	CLA	C11-C12-C13-C15
14	b5	505	CLA	C11-C12-C13-C15
14	b6	507	CLA	C11-C10-C8-C7
14	cA	1103	CLA	C11-C12-C13-C15
14	cA	1104	CLA	C6-C7-C8-C10
14	cA	1125	CLA	C6-C7-C8-C10
14	cA	1126	CLA	C11-C10-C8-C7
14	cA	1131	CLA	C12-C13-C15-C16
14	cA	1136	CLA	C11-C10-C8-C7
14	cA	1138	CLA	C11-C10-C8-C7
14	cB	1012	CLA	C11-C10-C8-C7
14	cB	1021	CLA	C11-C12-C13-C15
14	cB	1205	CLA	C11-C10-C8-C7
14	cB	1210	CLA	C12-C13-C15-C16
14	cB	1235	CLA	C6-C7-C8-C10
14	cL	1501	CLA	C11-C10-C8-C7
14	c3	503	CLA	C12-C13-C15-C16
14	c3	504	CLA	C6-C7-C8-C10
14	c3	505	CLA	C12-C13-C15-C16
14	c4	502	CLA	C11-C10-C8-C7
14	c4	505	CLA	C12-C13-C15-C16
14	c4	509	CLA	C11-C12-C13-C15
14	S	509	CLA	C6-C7-C8-C10
14	V	502	CLA	C11-C10-C8-C7
14	V	505	CLA	C6-C7-C8-C10
14	W	505	CLA	C12-C13-C15-C16
14	W	510	CLA	C12-C13-C15-C16
14	X	505	CLA	C12-C13-C15-C16
14	X	507	CLA	C11-C10-C8-C7
14	a	505	CLA	C12-C13-C15-C16
14	c	505	CLA	C12-C13-C15-C16
14	h	509	CLA	C11-C12-C13-C15
14	n	502	CLA	C11-C10-C8-C7
14	p	509	CLA	C11-C12-C13-C15
14	q	509	CLA	C11-C12-C13-C15
15	aA	2001	PQN	C22-C23-C25-C26
15	bA	2001	PQN	C22-C23-C25-C26
14	aA	1140	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
14	cA	1140	CLA	C15-C16-C17-C18
14	b1	504	CLA	O1A-CGA-O2A-C1
14	cA	1129	CLA	O1A-CGA-O2A-C1
20	W	822	SQD	C24-C25-C26-C27
19	cA	1849	LMU	C1-C2-C3-C4
14	aA	1111	CLA	C6-C7-C8-C9
14	aA	1118	CLA	C11-C12-C13-C15
14	bA	1111	CLA	C6-C7-C8-C9
14	b2	512	CLA	C6-C7-C8-C9
14	a1	504	CLA	O1A-CGA-O2A-C1
18	bA	5001	LHG	C26-C27-C28-C29
14	aA	1112	CLA	C3A-C2A-CAA-CBA
14	aA	1124	CLA	C3A-C2A-CAA-CBA
14	aA	1013	CLA	C3A-C2A-CAA-CBA
14	aB	1218	CLA	C4-C3-C5-C6
14	aB	1222	CLA	C3A-C2A-CAA-CBA
14	aB	1224	CLA	C4-C3-C5-C6
14	aB	1230	CLA	C3A-C2A-CAA-CBA
14	aK	1103	CLA	C3A-C2A-CAA-CBA
14	aL	1502	CLA	C3A-C2A-CAA-CBA
14	aL	1503	CLA	C3A-C2A-CAA-CBA
14	a2	512	CLA	C3A-C2A-CAA-CBA
14	a3	506	CLA	C3A-C2A-CAA-CBA
14	a3	512	CLA	C3A-C2A-CAA-CBA
14	bA	1102	CLA	C3A-C2A-CAA-CBA
14	bA	1125	CLA	C4-C3-C5-C6
14	bA	1013	CLA	C3A-C2A-CAA-CBA
14	bB	1230	CLA	C3A-C2A-CAA-CBA
14	bL	1503	CLA	C3A-C2A-CAA-CBA
14	b1	517	CLA	C3A-C2A-CAA-CBA
14	b3	512	CLA	C3A-C2A-CAA-CBA
14	b4	505	CLA	C4-C3-C5-C6
14	b6	512	CLA	C3A-C2A-CAA-CBA
14	cA	1102	CLA	C3A-C2A-CAA-CBA
14	cA	1112	CLA	C3A-C2A-CAA-CBA
14	cA	1125	CLA	C4-C3-C5-C6
14	cB	1222	CLA	C3A-C2A-CAA-CBA
14	cK	1103	CLA	C3A-C2A-CAA-CBA
14	cL	1503	CLA	C3A-C2A-CAA-CBA
14	c1	512	CLA	C3A-C2A-CAA-CBA
14	c1	519	CLA	C3A-C2A-CAA-CBA
14	c2	517	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	c3	509	CLA	C3A-C2A-CAA-CBA
14	c4	506	CLA	C3A-C2A-CAA-CBA
14	c5	512	CLA	C3A-C2A-CAA-CBA
14	T	511	CLA	C3A-C2A-CAA-CBA
14	T	512	CLA	C3A-C2A-CAA-CBA
14	U	504	CLA	C3A-C2A-CAA-CBA
14	X	512	CLA	C3A-C2A-CAA-CBA
14	Z	512	CLA	C3A-C2A-CAA-CBA
14	a	506	CLA	C3A-C2A-CAA-CBA
14	g	501	CLA	C4-C3-C5-C6
14	n	506	CLA	C3A-C2A-CAA-CBA
14	p	516	CLA	C3A-C2A-CAA-CBA
14	p	519	CLA	C3A-C2A-CAA-CBA
14	q	516	CLA	C3A-C2A-CAA-CBA
14	cA	1115	CLA	C8-C10-C11-C12
14	cB	1203	CLA	C5-C6-C7-C8
14	cB	1226	CLA	C13-C15-C16-C17
14	c5	509	CLA	C5-C6-C7-C8
19	aB	1843	LMU	C5-C6-C7-C8
14	b6	518	CLA	CAA-CBA-CGA-O2A
20	b6	822	SQD	O47-C7-C8-C9
20	c1	822	SQD	O47-C7-C8-C9
14	aA	1022	CLA	C2-C3-C5-C6
14	b5	503	CLA	C2-C3-C5-C6
14	o	503	CLA	C2-C3-C5-C6
14	aB	1230	CLA	O1A-CGA-O2A-C1
14	a6	503	CLA	O1A-CGA-O2A-C1
14	cB	1216	CLA	O1A-CGA-O2A-C1
14	T	518	CLA	O1A-CGA-O2A-C1
14	V	508	CLA	O1A-CGA-O2A-C1
14	c1	510	CLA	C5-C6-C7-C8
14	c5	502	CLA	C8-C10-C11-C12
14	h	510	CLA	C5-C6-C7-C8
14	U	505	CLA	O1D-CGD-O2D-CED
18	bA	5002	LHG	C32-C33-C34-C35
14	aJ	1302	CLA	CBA-CGA-O2A-C1
17	aL	4022	BCR	C9-C10-C11-C12
17	a3	523	BCR	C9-C10-C11-C12
17	a4	521	BCR	C9-C10-C11-C12
17	X	522	BCR	C9-C10-C11-C12
14	Y	503	CLA	C3-C5-C6-C7
14	aB	1214	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	bB	1203	CLA	C13-C15-C16-C17
17	aJ	4012	BCR	C11-C12-C13-C35
17	aK	4001	BCR	C37-C22-C23-C24
17	a6	521	BCR	C7-C8-C9-C34
17	i	521	BCR	C7-C8-C9-C34
17	j	521	BCR	C37-C22-C23-C24
17	j	524	BCR	C37-C22-C23-C24
18	cX	4021	LHG	C12-C13-C14-C15
14	a1	518	CLA	O1A-CGA-O2A-C1
14	b5	512	CLA	O1A-CGA-O2A-C1
20	p	822	SQD	C10-C11-C12-C13
14	a6	510	CLA	C5-C6-C7-C8
14	Y	509	CLA	C5-C6-C7-C8
17	S	522	BCR	C7-C8-C9-C10
17	b	522	BCR	C11-C12-C13-C14
14	aA	1112	CLA	O2A-C1-C2-C3
14	c1	503	CLA	C2A-CAA-CBA-CGA
14	a	503	CLA	C2A-CAA-CBA-CGA
14	cA	1110	CLA	O1D-CGD-O2D-CED
14	c4	501	CLA	O1D-CGD-O2D-CED
14	cB	1213	CLA	CBA-CGA-O2A-C1
14	Y	504	CLA	CBA-CGA-O2A-C1
18	bA	5001	LHG	C4-C5-C6-O8
18	bA	5005	LHG	C4-C5-C6-O8
20	c2	822	SQD	C44-C45-C46-O48
20	c5	822	SQD	C44-C45-C46-O48
20	X	822	SQD	C44-C45-C46-O48
20	d	822	SQD	O6-C44-C45-C46
20	n	822	SQD	C44-C45-C46-O48
14	aA	1121	CLA	C3-C5-C6-C7
14	c3	510	CLA	C3-C5-C6-C7
14	g	501	CLA	C3-C5-C6-C7
14	bB	1227	CLA	C6-C7-C8-C9
14	aB	1203	CLA	C16-C17-C18-C20
14	a6	513	CLA	C6-C7-C8-C9
14	bA	1115	CLA	C11-C12-C13-C14
14	a3	507	CLA	C5-C6-C7-C8
14	a6	505	CLA	C15-C16-C17-C18
14	c3	505	CLA	C13-C15-C16-C17
14	o	510	CLA	C5-C6-C7-C8
14	p	509	CLA	C10-C11-C12-C13
14	q	509	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
20	p	822	SQD	C24-C23-O48-C46
14	aA	1022	CLA	C4-C3-C5-C6
14	a3	504	CLA	C4-C3-C5-C6
14	a6	513	CLA	C4-C3-C5-C6
14	b3	504	CLA	C4-C3-C5-C6
14	cB	1226	CLA	C4-C3-C5-C6
14	U	510	CLA	C4-C3-C5-C6
14	bB	1206	CLA	CAA-CBA-CGA-O2A
14	a4	505	CLA	C2-C3-C5-C6
14	bB	1231	CLA	C2-C3-C5-C6
14	cA	1125	CLA	C2-C3-C5-C6
14	b4	519	CLA	O1A-CGA-O2A-C1
14	i	518	CLA	O1A-CGA-O2A-C1
14	b2	503	CLA	C3-C5-C6-C7
14	c6	504	CLA	CBD-CGD-O2D-CED
14	aA	1133	CLA	C16-C17-C18-C19
14	bA	1107	CLA	C6-C7-C8-C9
14	cB	1231	CLA	C6-C7-C8-C10
14	c3	501	CLA	C16-C17-C18-C19
14	c5	508	CLA	C6-C7-C8-C9
14	c6	505	CLA	C11-C12-C13-C15
14	c4	503	CLA	C10-C11-C12-C13
18	cA	5005	LHG	O6-C4-C5-O7
19	cA	1848	LMU	C2-C3-C4-C5
14	aA	1101	CLA	C2B-C3B-CAB-CBB
14	aA	1116	CLA	C2B-C3B-CAB-CBB
14	aA	1118	CLA	C2B-C3B-CAB-CBB
14	aA	1121	CLA	C2B-C3B-CAB-CBB
14	aA	1134	CLA	C2B-C3B-CAB-CBB
14	aA	1136	CLA	C2B-C3B-CAB-CBB
14	aA	1237	CLA	C2B-C3B-CAB-CBB
14	bA	1116	CLA	C2B-C3B-CAB-CBB
14	bA	1118	CLA	C2B-C3B-CAB-CBB
14	bA	1136	CLA	C2B-C3B-CAB-CBB
14	bK	1103	CLA	C2B-C3B-CAB-CBB
14	b1	516	CLA	C2B-C3B-CAB-CBB
14	b3	504	CLA	C2B-C3B-CAB-CBB
14	b4	503	CLA	C2B-C3B-CAB-CBB
14	b4	517	CLA	C2B-C3B-CAB-CBB
14	b6	501	CLA	C2B-C3B-CAB-CBB
14	cA	1116	CLA	C2B-C3B-CAB-CBB
14	cA	1118	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	cA	1121	CLA	C2B-C3B-CAB-CBB
14	cJ	1302	CLA	C2B-C3B-CAB-CBB
14	cK	1103	CLA	C2B-C3B-CAB-CBB
14	cK	1401	CLA	C2B-C3B-CAB-CBB
14	c6	503	CLA	C2B-C3B-CAB-CBB
14	T	501	CLA	C2B-C3B-CAB-CBB
14	U	501	CLA	C2B-C3B-CAB-CBB
14	V	517	CLA	C2B-C3B-CAB-CBB
14	W	504	CLA	C2B-C3B-CAB-CBB
14	Z	504	CLA	C2B-C3B-CAB-CBB
14	Z	516	CLA	C2B-C3B-CAB-CBB
14	b	501	CLA	C2B-C3B-CAB-CBB
14	d	501	CLA	C2B-C3B-CAB-CBB
14	e	501	CLA	C2B-C3B-CAB-CBB
14	f	501	CLA	C2B-C3B-CAB-CBB
14	g	501	CLA	C2B-C3B-CAB-CBB
14	h	501	CLA	C2B-C3B-CAB-CBB
14	i	501	CLA	C2B-C3B-CAB-CBB
14	j	517	CLA	C2B-C3B-CAB-CBB
14	k	504	CLA	C2B-C3B-CAB-CBB
14	l	501	CLA	C2B-C3B-CAB-CBB
14	m	504	CLA	C2B-C3B-CAB-CBB
14	n	517	CLA	C2B-C3B-CAB-CBB
14	o	501	CLA	C2B-C3B-CAB-CBB
14	p	502	CLA	C2B-C3B-CAB-CBB
17	aI	4019	BCR	C23-C24-C25-C26
17	aJ	4012	BCR	C1-C6-C7-C8
17	aJ	4013	BCR	C23-C24-C25-C30
17	a1	521	BCR	C23-C24-C25-C30
17	a3	521	BCR	C1-C6-C7-C8
17	a3	523	BCR	C23-C24-C25-C30
17	bA	4002	BCR	C1-C6-C7-C8
17	bI	4019	BCR	C23-C24-C25-C30
17	bJ	4013	BCR	C23-C24-C25-C30
17	b2	521	BCR	C1-C6-C7-C8
17	b4	521	BCR	C23-C24-C25-C30
17	b4	523	BCR	C23-C24-C25-C30
17	cB	4009	BCR	C23-C24-C25-C26
17	cI	4019	BCR	C23-C24-C25-C26
17	c3	521	BCR	C23-C24-C25-C30
17	c3	523	BCR	C5-C6-C7-C8
17	c3	523	BCR	C23-C24-C25-C30

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Mol	Chain	Res	Type	Atoms
17	c3	524	BCR	C23-C24-C25-C30
17	c4	523	BCR	C5-C6-C7-C8
17	c4	523	BCR	C23-C24-C25-C30
17	c6	521	BCR	C1-C6-C7-C8
17	S	523	BCR	C1-C6-C7-C8
17	S	523	BCR	C23-C24-C25-C30
17	T	523	BCR	C23-C24-C25-C30
17	U	523	BCR	C23-C24-C25-C30
17	W	523	BCR	C23-C24-C25-C30
17	X	521	BCR	C1-C6-C7-C8
17	X	523	BCR	C23-C24-C25-C30
17	Y	521	BCR	C1-C6-C7-C8
17	Z	523	BCR	C5-C6-C7-C8
17	Z	523	BCR	C23-C24-C25-C30
17	a	521	BCR	C23-C24-C25-C30
17	a	523	BCR	C23-C24-C25-C30
17	b	521	BCR	C1-C6-C7-C8
17	b	521	BCR	C23-C24-C25-C30
17	b	523	BCR	C5-C6-C7-C8
17	b	523	BCR	C23-C24-C25-C30
17	c	523	BCR	C23-C24-C25-C30
17	d	521	BCR	C1-C6-C7-C8
17	d	523	BCR	C23-C24-C25-C30
17	f	523	BCR	C23-C24-C25-C30
17	g	523	BCR	C23-C24-C25-C30
17	j	521	BCR	C1-C6-C7-C8
17	k	521	BCR	C1-C6-C7-C8
17	l	523	BCR	C23-C24-C25-C30
17	m	523	BCR	C23-C24-C25-C30
17	m	521	BCR	C1-C6-C7-C8
17	n	523	BCR	C23-C24-C25-C30
17	o	523	BCR	C23-C24-C25-C30
17	q	521	BCR	C1-C6-C7-C8
14	b3	509	CLA	C10-C11-C12-C13
14	cB	1213	CLA	C5-C6-C7-C8
14	bB	1012	CLA	C14-C13-C15-C16
14	aB	1223	CLA	C5-C6-C7-C8
14	a5	513	CLA	C5-C6-C7-C8
14	bB	1213	CLA	C5-C6-C7-C8
14	c6	509	CLA	C15-C16-C17-C18
14	bA	1116	CLA	CBD-CGD-O2D-CED
20	n	822	SQD	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
21	aB	5002	LMG	C38-C39-C40-C41
14	a1	503	CLA	C15-C16-C17-C18
14	aB	1203	CLA	C16-C17-C18-C19
14	bA	1107	CLA	C6-C7-C8-C10
14	bA	1125	CLA	C16-C17-C18-C20
14	bA	1133	CLA	C16-C17-C18-C19
14	cB	1221	CLA	C11-C12-C13-C15
14	aA	1011	CLA	CAA-CBA-CGA-O2A
14	a1	518	CLA	CAA-CBA-CGA-O2A
14	bA	1011	CLA	CAA-CBA-CGA-O2A
14	cA	1011	CLA	CAA-CBA-CGA-O2A
14	cB	1206	CLA	CAA-CBA-CGA-O2A
14	a6	511	CLA	C2A-CAA-CBA-CGA
14	bA	1119	CLA	C2A-CAA-CBA-CGA
14	l	504	CLA	C2A-CAA-CBA-CGA
14	m	518	CLA	C2A-CAA-CBA-CGA
14	aB	1214	CLA	O1D-CGD-O2D-CED
14	a4	502	CLA	C8-C10-C11-C12
14	bB	1210	CLA	C5-C6-C7-C8
20	a2	822	SQD	O6-C44-C45-O47
20	a3	822	SQD	O6-C44-C45-O47
20	a5	822	SQD	O6-C44-C45-O47
20	q	822	SQD	O6-C44-C45-O47
20	Y	822	SQD	C9-C10-C11-C12
14	aB	1228	CLA	CBD-CGD-O2D-CED
14	a3	502	CLA	CBD-CGD-O2D-CED
14	a4	508	CLA	C13-C15-C16-C17
14	a6	516	CLA	O1D-CGD-O2D-CED
14	Z	503	CLA	C12-C13-C15-C16
14	d	518	CLA	O1A-CGA-O2A-C1
14	aA	1119	CLA	C4-C3-C5-C6
14	aB	1231	CLA	C4-C3-C5-C6
14	bB	1231	CLA	C4-C3-C5-C6
14	c2	516	CLA	O1D-CGD-O2D-CED
14	cB	1224	CLA	CAA-CBA-CGA-O2A
14	aB	1226	CLA	C13-C15-C16-C17
14	bB	1206	CLA	C5-C6-C7-C8
14	c4	510	CLA	C5-C6-C7-C8
14	aA	1119	CLA	C2-C3-C5-C6
14	aB	1224	CLA	C2-C3-C5-C6
14	aB	1231	CLA	C2-C3-C5-C6
14	bA	1125	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	bB	1205	CLA	C2-C3-C5-C6
14	aB	1226	CLA	C16-C17-C18-C19
14	a3	502	CLA	C11-C12-C13-C14
14	bB	1226	CLA	C16-C17-C18-C20
14	bL	1503	CLA	C16-C17-C18-C19
14	c3	501	CLA	C16-C17-C18-C20
14	c5	505	CLA	C16-C17-C18-C19
18	aA	5001	LHG	C28-C29-C30-C31
18	bA	5001	LHG	C7-C8-C9-C10
20	b2	822	SQD	C23-C24-C25-C26
14	bA	1105	CLA	CBA-CGA-O2A-C1
14	cB	1211	CLA	CBA-CGA-O2A-C1
14	c1	518	CLA	CBA-CGA-O2A-C1
14	Y	518	CLA	CBA-CGA-O2A-C1
14	Z	503	CLA	CBA-CGA-O2A-C1
14	p	518	CLA	CBA-CGA-O2A-C1
21	cJ	5104	LMG	C29-C28-O8-C9
14	bA	1137	CLA	O1A-CGA-O2A-C1
14	cA	1107	CLA	O1A-CGA-O2A-C1
14	X	503	CLA	C3-C5-C6-C7
18	aA	5005	LHG	C8-C7-O7-C5
20	cB	1852	SQD	C8-C7-O47-C45
14	aA	1103	CLA	C6-C7-C8-C9
14	aA	1104	CLA	C14-C13-C15-C16
14	aA	1136	CLA	C11-C10-C8-C9
14	aB	1214	CLA	C11-C12-C13-C14
14	aB	1216	CLA	C11-C10-C8-C9
14	aB	1235	CLA	C11-C12-C13-C14
14	aL	1501	CLA	C11-C10-C8-C9
14	aL	1501	CLA	C11-C12-C13-C14
14	a1	505	CLA	C14-C13-C15-C16
14	bA	1103	CLA	C11-C12-C13-C14
14	bA	1104	CLA	C14-C13-C15-C16
14	bL	1501	CLA	C11-C10-C8-C9
14	b3	511	CLA	C11-C12-C13-C14
14	cA	1131	CLA	C14-C13-C15-C16
14	cA	1133	CLA	C11-C12-C13-C14
14	cB	1023	CLA	C11-C12-C13-C14
14	cB	1235	CLA	C6-C7-C8-C9
14	c1	505	CLA	C14-C13-C15-C16
14	c3	511	CLA	C11-C12-C13-C14
14	c5	509	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
14	c6	502	CLA	C6-C7-C8-C9
14	c6	502	CLA	C11-C10-C8-C9
14	W	505	CLA	C14-C13-C15-C16
14	d	505	CLA	C14-C13-C15-C16
14	n	502	CLA	C11-C10-C8-C9
14	bB	1205	CLA	O1D-CGD-O2D-CED
14	c5	518	CLA	CAA-CBA-CGA-O2A
21	b1	5104	LMG	C4-C5-C6-O5
14	cB	1210	CLA	O1D-CGD-O2D-CED
20	V	822	SQD	O5-C1-O6-C44
21	cJ	5104	LMG	O6-C1-O1-C7
14	W	505	CLA	O1D-CGD-O2D-CED
14	i	511	CLA	O1D-CGD-O2D-CED
14	aA	1125	CLA	C16-C17-C18-C20
14	aB	1205	CLA	C16-C17-C18-C19
14	b3	502	CLA	C11-C12-C13-C14
14	b6	505	CLA	C16-C17-C18-C20
14	a3	505	CLA	O1D-CGD-O2D-CED
14	a4	509	CLA	O1D-CGD-O2D-CED
14	bB	1203	CLA	O1D-CGD-O2D-CED
14	b5	504	CLA	O1D-CGD-O2D-CED
14	e	512	CLA	O1D-CGD-O2D-CED
14	j	505	CLA	O1D-CGD-O2D-CED
14	l	519	CLA	O1D-CGD-O2D-CED
14	bB	1225	CLA	CBA-CGA-O2A-C1
21	cB	5002	LMG	C38-C39-C40-C41
14	b4	512	CLA	CBD-CGD-O2D-CED
14	c5	509	CLA	C15-C16-C17-C18
14	n	505	CLA	C5-C6-C7-C8
18	bX	4021	LHG	C18-C19-C20-C21
14	e	517	CLA	C2A-CAA-CBA-CGA
14	S	518	CLA	O1A-CGA-O2A-C1
14	b4	509	CLA	C5-C6-C7-C8
14	b1	508	CLA	CBA-CGA-O2A-C1
14	b	518	CLA	CBA-CGA-O2A-C1
14	e	507	CLA	CBA-CGA-O2A-C1
20	c2	822	SQD	C24-C23-O48-C46
17	a3	521	BCR	C9-C10-C11-C12
17	b4	521	BCR	C9-C10-C11-C12
17	c4	523	BCR	C9-C10-C11-C12
14	bB	1021	CLA	CAA-CBA-CGA-O2A
14	c3	518	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
20	a3	822	SQD	O47-C7-C8-C9
20	a4	822	SQD	O47-C7-C8-C9
20	i	822	SQD	O47-C7-C8-C9
14	aB	1205	CLA	C2-C3-C5-C6
14	b3	504	CLA	C2-C3-C5-C6
14	aA	1118	CLA	C11-C12-C13-C14
14	bA	1125	CLA	C16-C17-C18-C19
14	cB	1231	CLA	C6-C7-C8-C9
14	c5	508	CLA	C6-C7-C8-C10
14	aB	1225	CLA	C10-C11-C12-C13
14	a6	509	CLA	C15-C16-C17-C18
14	cB	1223	CLA	C5-C6-C7-C8
14	aA	1137	CLA	O1A-CGA-O2A-C1
14	b3	502	CLA	O1D-CGD-O2D-CED
14	cA	1120	CLA	O1D-CGD-O2D-CED
14	c3	509	CLA	O1D-CGD-O2D-CED
14	cA	1137	CLA	O1A-CGA-O2A-C1
14	aA	1102	CLA	CAA-CBA-CGA-O2A
14	aA	1140	CLA	CAA-CBA-CGA-O2A
14	aB	1021	CLA	CAA-CBA-CGA-O2A
14	aB	1206	CLA	CAA-CBA-CGA-O2A
14	aA	1237	CLA	CBA-CGA-O2A-C1
20	cB	1852	SQD	C24-C23-O48-C46
14	aA	1119	CLA	C13-C15-C16-C17
14	b2	502	CLA	C8-C10-C11-C12
18	bA	5005	LHG	O6-C4-C5-C6
14	aA	1111	CLA	C6-C7-C8-C10
14	bA	1126	CLA	C16-C17-C18-C19
14	bA	1129	CLA	C6-C7-C8-C9
14	cA	1126	CLA	C16-C17-C18-C19
14	aA	1137	CLA	CBD-CGD-O2D-CED
14	c6	503	CLA	C13-C15-C16-C17
14	c	509	CLA	C5-C6-C7-C8
17	a4	522	BCR	C7-C8-C9-C34
17	bB	4009	BCR	C36-C18-C19-C20
17	bF	4014	BCR	C7-C8-C9-C34
17	c4	522	BCR	C7-C8-C9-C34
17	c6	523	BCR	C7-C8-C9-C34
17	U	524	BCR	C37-C22-C23-C24
18	aA	5004	LHG	C11-C10-C9-C8
14	aA	1104	CLA	C12-C13-C15-C16
14	aA	1125	CLA	C6-C7-C8-C10

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Mol	Chain	Res	Type	Atoms
14	aA	1131	CLA	C12-C13-C15-C16
14	aA	1136	CLA	C11-C10-C8-C7
14	aA	1138	CLA	C11-C10-C8-C7
14	aB	1023	CLA	C12-C13-C15-C16
14	aB	1224	CLA	C11-C10-C8-C7
14	aB	1225	CLA	C11-C10-C8-C7
14	aB	1235	CLA	C6-C7-C8-C10
14	aJ	1303	CLA	C6-C7-C8-C10
14	aJ	1303	CLA	C11-C10-C8-C7
14	aL	1501	CLA	C11-C12-C13-C15
14	a1	503	CLA	C12-C13-C15-C16
14	a1	507	CLA	C11-C10-C8-C7
14	a2	505	CLA	C12-C13-C15-C16
14	a3	505	CLA	C12-C13-C15-C16
14	a4	502	CLA	C6-C7-C8-C10
14	a5	503	CLA	C6-C7-C8-C10
14	a5	518	CLA	C11-C10-C8-C7
14	bA	1131	CLA	C12-C13-C15-C16
14	bA	1136	CLA	C11-C10-C8-C7
14	bA	1138	CLA	C11-C10-C8-C7
14	bL	1501	CLA	C11-C12-C13-C15
14	b1	507	CLA	C11-C10-C8-C7
14	b3	509	CLA	C11-C10-C8-C7
14	b3	511	CLA	C6-C7-C8-C10
14	b5	509	CLA	C6-C7-C8-C10
14	cA	1103	CLA	C11-C10-C8-C7
14	cA	1104	CLA	C12-C13-C15-C16
14	cA	1123	CLA	C11-C10-C8-C7
14	cA	1125	CLA	C11-C10-C8-C7
14	cB	1203	CLA	C6-C7-C8-C10
14	cL	1501	CLA	C11-C12-C13-C15
14	c1	505	CLA	C12-C13-C15-C16
14	c2	502	CLA	C11-C10-C8-C7
14	c2	505	CLA	C12-C13-C15-C16
14	c4	501	CLA	C12-C13-C15-C16
14	c4	502	CLA	C6-C7-C8-C10
14	c5	509	CLA	C11-C10-C8-C7
14	c6	502	CLA	C11-C10-C8-C7
14	Y	505	CLA	C12-C13-C15-C16
14	Z	501	CLA	C11-C10-C8-C7
14	Z	505	CLA	C11-C12-C13-C15
14	Z	505	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	d	505	CLA	C12-C13-C15-C16
14	d	509	CLA	C11-C12-C13-C15
14	n	509	CLA	C6-C7-C8-C10
14	n	509	CLA	C11-C10-C8-C7
14	o	503	CLA	C11-C12-C13-C15
14	b2	518	CLA	CAA-CBA-CGA-O2A
21	bB	5002	LMG	C29-C30-C31-C32
14	a4	510	CLA	C3-C5-C6-C7
14	m	501	CLA	CBD-CGD-O2D-CED
14	a6	508	CLA	C5-C6-C7-C8
14	bA	1129	CLA	C5-C6-C7-C8
14	bA	1133	CLA	C10-C11-C12-C13
14	b3	505	CLA	C10-C11-C12-C13
21	bB	5002	LMG	C18-C19-C20-C21
17	aB	4009	BCR	C17-C18-C19-C20
17	aF	4014	BCR	C7-C8-C9-C10
17	bM	4021	BCR	C7-C8-C9-C10
17	b1	521	BCR	C7-C8-C9-C10
17	b1	523	BCR	C7-C8-C9-C10
17	b3	522	BCR	C7-C8-C9-C10
17	cB	4009	BCR	C17-C18-C19-C20
17	cJ	4012	BCR	C11-C12-C13-C14
17	cM	4021	BCR	C17-C18-C19-C20
17	a	521	BCR	C7-C8-C9-C10
17	i	522	BCR	C11-C12-C13-C14
14	a2	511	CLA	CBA-CGA-O2A-C1
14	b4	508	CLA	CBA-CGA-O2A-C1
14	j	518	CLA	CBA-CGA-O2A-C1
14	aA	1107	CLA	O1A-CGA-O2A-C1
14	aA	1011	CLA	O1A-CGA-O2A-C1
14	a5	503	CLA	O1A-CGA-O2A-C1
14	b1	518	CLA	O1A-CGA-O2A-C1
14	cA	1139	CLA	O1A-CGA-O2A-C1
14	c4	503	CLA	O1A-CGA-O2A-C1
14	g	501	CLA	O1A-CGA-O2A-C1
20	a6	822	SQD	C5-C6-S-O8
20	h	822	SQD	C5-C6-S-O8
14	aA	1116	CLA	O1D-CGD-O2D-CED
14	a5	503	CLA	O1D-CGD-O2D-CED
14	aA	1134	CLA	C2A-CAA-CBA-CGA
14	aB	1204	CLA	C2A-CAA-CBA-CGA
14	bA	1140	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	cA	1121	CLA	C2A-CAA-CBA-CGA
14	cA	1140	CLA	C2A-CAA-CBA-CGA
14	cB	1225	CLA	C2A-CAA-CBA-CGA
14	c	505	CLA	C2A-CAA-CBA-CGA
20	a4	822	SQD	C25-C26-C27-C28
14	cA	1124	CLA	C11-C10-C8-C9
14	Z	503	CLA	C14-C13-C15-C16
14	bA	1111	CLA	C6-C7-C8-C10
14	b6	507	CLA	C11-C12-C13-C15
14	Y	501	CLA	C16-C17-C18-C19
14	S	518	CLA	O1D-CGD-O2D-CED
14	aA	1125	CLA	C4-C3-C5-C6
14	aB	1219	CLA	C4-C3-C5-C6
14	a5	503	CLA	C4-C3-C5-C6
14	bB	1219	CLA	C4-C3-C5-C6
14	cB	1224	CLA	C4-C3-C5-C6
14	S	510	CLA	C4-C3-C5-C6
14	b5	518	CLA	CAA-CBA-CGA-O2A
14	cA	1140	CLA	CAA-CBA-CGA-O2A
14	c6	518	CLA	CAA-CBA-CGA-O2A
14	d	518	CLA	CAA-CBA-CGA-O2A
20	c6	822	SQD	O47-C7-C8-C9
14	aJ	1302	CLA	O1A-CGA-O2A-C1
14	bA	1107	CLA	O1A-CGA-O2A-C1
14	bA	1139	CLA	O1A-CGA-O2A-C1
14	bB	1211	CLA	O1A-CGA-O2A-C1
14	cB	1213	CLA	O1A-CGA-O2A-C1
14	c5	503	CLA	O1A-CGA-O2A-C1
14	cB	1226	CLA	C2-C3-C5-C6
14	bB	1214	CLA	C3-C5-C6-C7
14	X	509	CLA	C3-C5-C6-C7
14	cA	1104	CLA	O1D-CGD-O2D-CED
14	q	516	CLA	O1D-CGD-O2D-CED
14	bB	1213	CLA	CBA-CGA-O2A-C1
14	aA	1121	CLA	C5-C6-C7-C8
14	a1	509	CLA	C5-C6-C7-C8
20	a4	822	SQD	C46-C45-O47-C7
20	a6	822	SQD	C46-C45-O47-C7
20	b2	822	SQD	C46-C45-O47-C7
20	b5	822	SQD	C46-C45-O47-C7
20	c1	822	SQD	C46-C45-O47-C7
20	c3	822	SQD	C46-C45-O47-C7

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Mol	Chain	Res	Type	Atoms
20	c5	822	SQD	C44-C45-O47-C7
20	c6	822	SQD	C46-C45-O47-C7
20	W	822	SQD	C46-C45-O47-C7
20	X	822	SQD	C46-C45-O47-C7
20	b	822	SQD	C46-C45-O47-C7
20	e	822	SQD	C46-C45-O47-C7
20	f	822	SQD	C46-C45-O47-C7
20	g	822	SQD	C46-C45-O47-C7
20	n	822	SQD	C46-C45-O47-C7
20	p	822	SQD	C46-C45-O47-C7
14	aB	1211	CLA	O1A-CGA-O2A-C1
14	bA	1237	CLA	O1A-CGA-O2A-C1
14	cA	1105	CLA	O1A-CGA-O2A-C1
14	c4	510	CLA	O1A-CGA-O2A-C1
14	c	502	CLA	O1A-CGA-O2A-C1
14	o	518	CLA	O1A-CGA-O2A-C1
14	p	518	CLA	O1A-CGA-O2A-C1
17	c4	521	BCR	C9-C10-C11-C12
14	aA	1126	CLA	C16-C17-C18-C19
14	a3	502	CLA	C11-C12-C13-C15
14	cA	1107	CLA	C6-C7-C8-C9
21	cJ	5104	LMG	C11-C12-C13-C14
14	c1	518	CLA	O1A-CGA-O2A-C1
14	Y	518	CLA	O1A-CGA-O2A-C1
14	a5	503	CLA	C3-C5-C6-C7
14	c2	508	CLA	C3-C5-C6-C7
14	n	502	CLA	C3-C5-C6-C7
14	X	509	CLA	C15-C16-C17-C18
18	aA	5001	LHG	C12-C13-C14-C15
21	aB	5002	LMG	C17-C18-C19-C20
14	a3	518	CLA	C8-C10-C11-C12
14	c3	502	CLA	C8-C10-C11-C12
14	c5	503	CLA	C5-C6-C7-C8
14	aB	1224	CLA	CAA-CBA-CGA-O2A
20	c3	822	SQD	O47-C7-C8-C9
20	f	822	SQD	O47-C7-C8-C9
18	aA	5005	LHG	O6-C4-C5-O7
18	bA	5005	LHG	O6-C4-C5-O7
19	cA	1848	LMU	O5'-C1'-O1'-C1
21	bB	5002	LMG	O6-C1-O1-C7
14	b6	510	CLA	O1D-CGD-O2D-CED
14	o	508	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
18	cX	4021	LHG	C10-C11-C12-C13
18	aA	5001	LHG	C4-C5-C6-O8
20	c1	822	SQD	O6-C44-C45-C46
20	c2	822	SQD	O6-C44-C45-C46
20	S	822	SQD	O6-C44-C45-C46
20	f	822	SQD	O6-C44-C45-C46
20	i	822	SQD	O6-C44-C45-C46
20	p	822	SQD	O6-C44-C45-C46
14	c1	503	CLA	C15-C16-C17-C18
14	b1	509	CLA	C15-C16-C17-C18
14	a	501	CLA	C5-C6-C7-C8
14	g	505	CLA	C5-C6-C7-C8
14	bA	1129	CLA	C6-C7-C8-C10
14	c6	501	CLA	C3-C5-C6-C7
14	Y	504	CLA	O1A-CGA-O2A-C1
14	Z	503	CLA	O1A-CGA-O2A-C1
14	V	504	CLA	O1D-CGD-O2D-CED
14	aA	1121	CLA	C4-C3-C5-C6
14	bA	1132	CLA	C4-C3-C5-C6
14	bB	1224	CLA	C4-C3-C5-C6
14	bB	1226	CLA	C4-C3-C5-C6
14	c	510	CLA	C4-C3-C5-C6
14	bB	1201	CLA	C2A-CAA-CBA-CGA
14	bB	1204	CLA	C2A-CAA-CBA-CGA
14	cB	1201	CLA	C2A-CAA-CBA-CGA
14	c4	501	CLA	C2A-CAA-CBA-CGA
14	f	504	CLA	C2A-CAA-CBA-CGA
14	o	513	CLA	C2A-CAA-CBA-CGA
14	bA	1140	CLA	CAA-CBA-CGA-O2A
14	aA	1118	CLA	C2-C3-C5-C6
14	q	510	CLA	C2-C3-C5-C6
14	aB	1205	CLA	C8-C10-C11-C12
14	a3	508	CLA	C5-C6-C7-C8
14	b1	508	CLA	C5-C6-C7-C8
14	c2	502	CLA	C5-C6-C7-C8
14	c3	511	CLA	C10-C11-C12-C13
14	p	502	CLA	C5-C6-C7-C8
14	a1	512	CLA	O1D-CGD-O2D-CED
14	bA	1105	CLA	O1A-CGA-O2A-C1
20	a2	822	SQD	C9-C10-C11-C12
14	c1	508	CLA	C3-C5-C6-C7
14	c3	502	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
18	aA	5005	LHG	O7-C5-C6-O8
18	bA	5005	LHG	O7-C5-C6-O8
18	cA	5004	LHG	O7-C5-C6-O8
20	a1	822	SQD	O6-C44-C45-O47
20	a6	822	SQD	O47-C45-C46-O48
20	b3	822	SQD	O6-C44-C45-O47
20	b5	822	SQD	O6-C44-C45-O47
20	b6	822	SQD	O6-C44-C45-O47
20	c2	822	SQD	O6-C44-C45-O47
20	c3	822	SQD	O6-C44-C45-O47
20	c5	822	SQD	O47-C45-C46-O48
20	V	822	SQD	O6-C44-C45-O47
20	W	822	SQD	O6-C44-C45-O47
20	c	822	SQD	O6-C44-C45-O47
20	h	822	SQD	O6-C44-C45-O47
20	n	822	SQD	O47-C45-C46-O48
14	cA	1123	CLA	C5-C6-C7-C8
14	aA	1119	CLA	C11-C10-C8-C9
14	aA	1131	CLA	C14-C13-C15-C16
14	a1	507	CLA	C11-C10-C8-C9
14	a3	504	CLA	C6-C7-C8-C9
14	a3	505	CLA	C14-C13-C15-C16
14	bA	1102	CLA	C6-C7-C8-C9
14	bA	1131	CLA	C14-C13-C15-C16
14	bA	1138	CLA	C11-C10-C8-C9
14	bB	1222	CLA	C11-C10-C8-C9
14	cA	1103	CLA	C6-C7-C8-C9
14	cA	1122	CLA	C11-C10-C8-C9
14	cB	1201	CLA	C6-C7-C8-C9
14	cB	1203	CLA	C6-C7-C8-C9
14	cB	1203	CLA	C11-C10-C8-C9
14	cB	1225	CLA	C11-C12-C13-C14
14	cB	1239	CLA	C14-C13-C15-C16
14	c2	505	CLA	C14-C13-C15-C16
14	c4	502	CLA	C11-C10-C8-C9
14	V	502	CLA	C11-C10-C8-C9
14	W	510	CLA	C14-C13-C15-C16
14	Z	501	CLA	C11-C10-C8-C9
14	d	505	CLA	C11-C10-C8-C9
14	d	509	CLA	C11-C12-C13-C14
14	j	510	CLA	C11-C10-C8-C9
14	aA	1107	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
14	b3	502	CLA	C11-C12-C13-C15
14	cA	1118	CLA	C11-C12-C13-C15
14	cB	1203	CLA	C16-C17-C18-C20
14	c3	518	CLA	C6-C7-C8-C9
14	bB	1225	CLA	O1A-CGA-O2A-C1
14	cB	1211	CLA	O1A-CGA-O2A-C1
14	b	518	CLA	O1A-CGA-O2A-C1
21	b2	5104	LMG	C31-C32-C33-C34
14	a1	505	CLA	C5-C6-C7-C8
14	b2	510	CLA	C10-C11-C12-C13
14	c5	503	CLA	C13-C15-C16-C17
19	cB	1843	LMU	C11-C10-C9-C8
20	m	822	SQD	C24-C23-O48-C46
14	b	504	CLA	O1D-CGD-O2D-CED
14	bA	1115	CLA	C10-C11-C12-C13
14	aA	1237	CLA	O1A-CGA-O2A-C1
14	e	507	CLA	O1A-CGA-O2A-C1
14	b4	513	CLA	O1D-CGD-O2D-CED
14	aB	1229	CLA	CAA-CBA-CGA-O2A
14	aB	1209	CLA	C2-C1-O2A-CGA
14	a2	512	CLA	C2-C1-O2A-CGA
14	c1	512	CLA	C2-C1-O2A-CGA
14	c2	512	CLA	C2-C1-O2A-CGA
14	c5	512	CLA	C2-C1-O2A-CGA
17	bL	4022	BCR	C9-C10-C11-C12
17	W	522	BCR	C9-C10-C11-C12
14	c3	508	CLA	C6-C7-C8-C9
14	aB	1234	CLA	C5-C6-C7-C8
18	bA	5005	LHG	C2-C3-O3-P
14	aA	1237	CLA	O1D-CGD-O2D-CED
21	cB	5002	LMG	C15-C16-C17-C18
14	cB	1231	CLA	C4-C3-C5-C6
14	c4	503	CLA	C4-C3-C5-C6
14	aA	1129	CLA	C3-C5-C6-C7
14	c4	510	CLA	C3-C5-C6-C7
18	cA	5004	LHG	C23-C24-C25-C26
20	h	822	SQD	O47-C7-C8-C9
14	a1	510	CLA	C2-C3-C5-C6
14	bB	1219	CLA	C2-C3-C5-C6
14	b6	503	CLA	C5-C6-C7-C8
14	cA	1136	CLA	C13-C15-C16-C17
14	X	507	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
20	X	822	SQD	C9-C10-C11-C12
14	aA	1121	CLA	C2A-CAA-CBA-CGA
14	aB	1227	CLA	C2A-CAA-CBA-CGA
14	a2	518	CLA	C2A-CAA-CBA-CGA
14	c5	501	CLA	C2A-CAA-CBA-CGA
14	b5	503	CLA	CBA-CGA-O2A-C1
14	aB	1213	CLA	C16-C17-C18-C20
14	aL	1503	CLA	C16-C17-C18-C20
14	cA	1101	CLA	C11-C12-C13-C14
14	cA	1101	CLA	C11-C12-C13-C15
14	cB	1205	CLA	C16-C17-C18-C19
14	Y	501	CLA	C16-C17-C18-C20
14	Y	505	CLA	C15-C16-C17-C18
14	b1	508	CLA	O1A-CGA-O2A-C1
14	j	518	CLA	O1A-CGA-O2A-C1
14	aA	1134	CLA	CBD-CGD-O2D-CED
14	aA	1137	CLA	C3-C5-C6-C7
14	bA	1118	CLA	C3-C5-C6-C7
14	b1	504	CLA	C3-C5-C6-C7
14	W	509	CLA	C3-C5-C6-C7
14	aA	1124	CLA	C11-C10-C8-C9
14	bA	1124	CLA	C11-C10-C8-C9
14	aB	1231	CLA	O1D-CGD-O2D-CED
14	g	519	CLA	O1D-CGD-O2D-CED
14	a	503	CLA	C5-C6-C7-C8
14	c3	513	CLA	O1D-CGD-O2D-CED
14	aB	1205	CLA	C16-C17-C18-C20
14	a1	507	CLA	C11-C12-C13-C15
14	bB	1226	CLA	C16-C17-C18-C19
14	cA	1122	CLA	C11-C12-C13-C15
14	c3	518	CLA	C6-C7-C8-C10
14	c6	505	CLA	C11-C12-C13-C14
21	aB	5002	LMG	C28-C29-C30-C31
14	aB	1216	CLA	C3-C5-C6-C7
14	cB	1213	CLA	C3-C5-C6-C7
14	h	510	CLA	C3-C5-C6-C7
14	T	519	CLA	O1D-CGD-O2D-CED
14	aB	1206	CLA	C5-C6-C7-C8
14	bA	1138	CLA	C8-C10-C11-C12
14	V	509	CLA	C5-C6-C7-C8
17	o	522	BCR	C7-C8-C9-C34
14	aA	1109	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	aA	1110	CLA	C4B-C3B-CAB-CBB
14	aA	1114	CLA	C4B-C3B-CAB-CBB
14	aA	1125	CLA	C4B-C3B-CAB-CBB
14	aA	1138	CLA	C4B-C3B-CAB-CBB
14	aA	1140	CLA	C4B-C3B-CAB-CBB
14	aB	1209	CLA	C4B-C3B-CAB-CBB
14	aB	1218	CLA	C4B-C3B-CAB-CBB
14	aB	1236	CLA	C4B-C3B-CAB-CBB
14	aB	1239	CLA	C4B-C3B-CAB-CBB
14	aB	1232	CLA	C4B-C3B-CAB-CBB
14	aL	1503	CLA	C1A-C2A-CAA-CBA
14	aX	1401	CLA	C4B-C3B-CAB-CBB
14	a1	501	CLA	C1A-C2A-CAA-CBA
14	a1	501	CLA	C4B-C3B-CAB-CBB
14	a1	504	CLA	C4B-C3B-CAB-CBB
14	a1	517	CLA	C4B-C3B-CAB-CBB
14	a1	519	CLA	C4B-C3B-CAB-CBB
14	a2	501	CLA	C4B-C3B-CAB-CBB
14	a2	512	CLA	C4B-C3B-CAB-CBB
14	a2	517	CLA	C4B-C3B-CAB-CBB
14	a3	501	CLA	C4B-C3B-CAB-CBB
14	a3	517	CLA	C4B-C3B-CAB-CBB
14	a4	501	CLA	C4B-C3B-CAB-CBB
14	a4	512	CLA	C4B-C3B-CAB-CBB
14	a4	517	CLA	C4B-C3B-CAB-CBB
14	a4	518	CLA	C1A-C2A-CAA-CBA
14	a5	501	CLA	C4B-C3B-CAB-CBB
14	a5	503	CLA	C4B-C3B-CAB-CBB
14	a5	517	CLA	C4B-C3B-CAB-CBB
14	a6	501	CLA	C4B-C3B-CAB-CBB
14	a6	503	CLA	C4B-C3B-CAB-CBB
14	a6	511	CLA	C1A-C2A-CAA-CBA
14	a6	512	CLA	C4B-C3B-CAB-CBB
14	a6	516	CLA	C1A-C2A-CAA-CBA
14	a6	517	CLA	C4B-C3B-CAB-CBB
14	bA	1101	CLA	C4B-C3B-CAB-CBB
14	bA	1109	CLA	C4B-C3B-CAB-CBB
14	bA	1114	CLA	C4B-C3B-CAB-CBB
14	bA	1125	CLA	C4B-C3B-CAB-CBB
14	bA	1134	CLA	C4B-C3B-CAB-CBB
14	bA	1138	CLA	C4B-C3B-CAB-CBB
14	bA	1237	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	bB	1218	CLA	C4B-C3B-CAB-CBB
14	bB	1232	CLA	C4B-C3B-CAB-CBB
14	bB	1234	CLA	C4B-C3B-CAB-CBB
14	bB	1236	CLA	C4B-C3B-CAB-CBB
14	bB	1239	CLA	C4B-C3B-CAB-CBB
14	bF	1301	CLA	C4B-C3B-CAB-CBB
14	bL	1503	CLA	C1A-C2A-CAA-CBA
14	bX	1401	CLA	C4B-C3B-CAB-CBB
14	b1	501	CLA	C4B-C3B-CAB-CBB
14	b1	504	CLA	C4B-C3B-CAB-CBB
14	b1	512	CLA	C4B-C3B-CAB-CBB
14	b1	517	CLA	C4B-C3B-CAB-CBB
14	b1	518	CLA	C1A-C2A-CAA-CBA
14	b2	501	CLA	C1A-C2A-CAA-CBA
14	b2	512	CLA	C4B-C3B-CAB-CBB
14	b2	517	CLA	C4B-C3B-CAB-CBB
14	b3	501	CLA	C1A-C2A-CAA-CBA
14	b3	501	CLA	C4B-C3B-CAB-CBB
14	b3	517	CLA	C4B-C3B-CAB-CBB
14	b4	501	CLA	C4B-C3B-CAB-CBB
14	b5	501	CLA	C4B-C3B-CAB-CBB
14	b5	503	CLA	C4B-C3B-CAB-CBB
14	b6	501	CLA	C1A-C2A-CAA-CBA
14	b6	512	CLA	C4B-C3B-CAB-CBB
14	b6	517	CLA	C4B-C3B-CAB-CBB
14	cA	1101	CLA	C4B-C3B-CAB-CBB
14	cA	1109	CLA	C4B-C3B-CAB-CBB
14	cA	1110	CLA	C4B-C3B-CAB-CBB
14	cA	1114	CLA	C4B-C3B-CAB-CBB
14	cA	1130	CLA	C1A-C2A-CAA-CBA
14	cA	1134	CLA	C4B-C3B-CAB-CBB
14	cA	1136	CLA	C4B-C3B-CAB-CBB
14	cA	1138	CLA	C4B-C3B-CAB-CBB
14	cA	1139	CLA	C4B-C3B-CAB-CBB
14	cA	1140	CLA	C4B-C3B-CAB-CBB
14	cB	1218	CLA	C4B-C3B-CAB-CBB
14	cB	1232	CLA	C4B-C3B-CAB-CBB
14	cB	1234	CLA	C4B-C3B-CAB-CBB
14	cB	1236	CLA	C4B-C3B-CAB-CBB
14	cB	1239	CLA	C4B-C3B-CAB-CBB
14	cX	1401	CLA	C4B-C3B-CAB-CBB
14	c1	501	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	c1	501	CLA	C4B-C3B-CAB-CBB
14	c1	504	CLA	C4B-C3B-CAB-CBB
14	c1	512	CLA	C4B-C3B-CAB-CBB
14	c1	517	CLA	C4B-C3B-CAB-CBB
14	c2	501	CLA	C1A-C2A-CAA-CBA
14	c2	501	CLA	C4B-C3B-CAB-CBB
14	c2	511	CLA	C1A-C2A-CAA-CBA
14	c2	512	CLA	C4B-C3B-CAB-CBB
14	c2	517	CLA	C4B-C3B-CAB-CBB
14	c3	501	CLA	C4B-C3B-CAB-CBB
14	c3	512	CLA	C4B-C3B-CAB-CBB
14	c3	517	CLA	C4B-C3B-CAB-CBB
14	c4	501	CLA	C1A-C2A-CAA-CBA
14	c4	501	CLA	C4B-C3B-CAB-CBB
14	c4	511	CLA	C1A-C2A-CAA-CBA
14	c4	517	CLA	C4B-C3B-CAB-CBB
14	c5	501	CLA	C1A-C2A-CAA-CBA
14	c5	501	CLA	C4B-C3B-CAB-CBB
14	c5	503	CLA	C4B-C3B-CAB-CBB
14	c5	512	CLA	C1A-C2A-CAA-CBA
14	c5	512	CLA	C4B-C3B-CAB-CBB
14	c5	517	CLA	C4B-C3B-CAB-CBB
14	c6	501	CLA	C1A-C2A-CAA-CBA
14	c6	501	CLA	C4B-C3B-CAB-CBB
14	c6	512	CLA	C4B-C3B-CAB-CBB
14	S	504	CLA	C4B-C3B-CAB-CBB
14	S	512	CLA	C4B-C3B-CAB-CBB
14	S	517	CLA	C4B-C3B-CAB-CBB
14	S	519	CLA	C4B-C3B-CAB-CBB
14	T	501	CLA	C1A-C2A-CAA-CBA
14	T	504	CLA	C4B-C3B-CAB-CBB
14	T	512	CLA	C4B-C3B-CAB-CBB
14	T	517	CLA	C4B-C3B-CAB-CBB
14	U	517	CLA	C4B-C3B-CAB-CBB
14	V	501	CLA	C4B-C3B-CAB-CBB
14	V	504	CLA	C4B-C3B-CAB-CBB
14	V	511	CLA	C1A-C2A-CAA-CBA
14	W	501	CLA	C4B-C3B-CAB-CBB
14	W	512	CLA	C4B-C3B-CAB-CBB
14	W	517	CLA	C4B-C3B-CAB-CBB
14	X	504	CLA	C4B-C3B-CAB-CBB
14	X	512	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	X	517	CLA	C4B-C3B-CAB-CBB
14	X	518	CLA	C1A-C2A-CAA-CBA
14	Y	501	CLA	C4B-C3B-CAB-CBB
14	Y	504	CLA	C4B-C3B-CAB-CBB
14	Y	516	CLA	C1A-C2A-CAA-CBA
14	Y	517	CLA	C4B-C3B-CAB-CBB
14	Z	501	CLA	C4B-C3B-CAB-CBB
14	Z	517	CLA	C4B-C3B-CAB-CBB
14	Z	518	CLA	C1A-C2A-CAA-CBA
14	a	501	CLA	C1A-C2A-CAA-CBA
14	a	501	CLA	C4B-C3B-CAB-CBB
14	a	504	CLA	C4B-C3B-CAB-CBB
14	a	517	CLA	C4B-C3B-CAB-CBB
14	b	504	CLA	C4B-C3B-CAB-CBB
14	b	512	CLA	C4B-C3B-CAB-CBB
14	b	517	CLA	C4B-C3B-CAB-CBB
14	b	518	CLA	C1A-C2A-CAA-CBA
14	c	501	CLA	C4B-C3B-CAB-CBB
14	c	503	CLA	C4B-C3B-CAB-CBB
14	c	504	CLA	C4B-C3B-CAB-CBB
14	c	508	CLA	C1A-C2A-CAA-CBA
14	c	511	CLA	C1A-C2A-CAA-CBA
14	c	512	CLA	C4B-C3B-CAB-CBB
14	c	517	CLA	C4B-C3B-CAB-CBB
14	d	504	CLA	C4B-C3B-CAB-CBB
14	d	513	CLA	C1A-C2A-CAA-CBA
14	d	517	CLA	C4B-C3B-CAB-CBB
14	e	503	CLA	C4B-C3B-CAB-CBB
14	e	512	CLA	C4B-C3B-CAB-CBB
14	e	513	CLA	C4B-C3B-CAB-CBB
14	e	516	CLA	C4B-C3B-CAB-CBB
14	e	517	CLA	C4B-C3B-CAB-CBB
14	f	504	CLA	C4B-C3B-CAB-CBB
14	f	508	CLA	C1A-C2A-CAA-CBA
14	f	517	CLA	C4B-C3B-CAB-CBB
14	g	504	CLA	C4B-C3B-CAB-CBB
14	g	508	CLA	C1A-C2A-CAA-CBA
14	g	511	CLA	C1A-C2A-CAA-CBA
14	g	517	CLA	C4B-C3B-CAB-CBB
14	h	501	CLA	C4B-C3B-CAB-CBB
14	h	511	CLA	C1A-C2A-CAA-CBA
14	h	512	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	h	517	CLA	C4B-C3B-CAB-CBB
14	h	518	CLA	C1A-C2A-CAA-CBA
14	i	504	CLA	C4B-C3B-CAB-CBB
14	i	512	CLA	C4B-C3B-CAB-CBB
14	i	517	CLA	C4B-C3B-CAB-CBB
14	j	501	CLA	C4B-C3B-CAB-CBB
14	j	519	CLA	C4B-C3B-CAB-CBB
14	k	501	CLA	C1A-C2A-CAA-CBA
14	k	501	CLA	C4B-C3B-CAB-CBB
14	k	517	CLA	C4B-C3B-CAB-CBB
14	m	508	CLA	C1A-C2A-CAA-CBA
14	n	503	CLA	C4B-C3B-CAB-CBB
14	n	504	CLA	C4B-C3B-CAB-CBB
14	n	512	CLA	C4B-C3B-CAB-CBB
14	o	504	CLA	C4B-C3B-CAB-CBB
14	o	511	CLA	C1A-C2A-CAA-CBA
14	o	512	CLA	C4B-C3B-CAB-CBB
14	o	516	CLA	C1A-C2A-CAA-CBA
14	o	518	CLA	C1A-C2A-CAA-CBA
14	p	513	CLA	C1A-C2A-CAA-CBA
14	q	501	CLA	C4B-C3B-CAB-CBB
14	q	504	CLA	C4B-C3B-CAB-CBB
14	q	517	CLA	C4B-C3B-CAB-CBB
14	q	518	CLA	C1A-C2A-CAA-CBA
14	T	508	CLA	O1D-CGD-O2D-CED
14	X	509	CLA	O1D-CGD-O2D-CED
18	bA	5004	LHG	C24-C23-O8-C6
14	c5	505	CLA	C4-C3-C5-C6
14	a5	502	CLA	C5-C6-C7-C8
14	W	501	CLA	C13-C15-C16-C17
14	a2	518	CLA	CAA-CBA-CGA-O2A
14	bL	1503	CLA	CAA-CBA-CGA-O2A
14	cB	1229	CLA	CAA-CBA-CGA-O2A
20	a6	822	SQD	O47-C7-C8-C9
20	b1	822	SQD	O47-C7-C8-C9
14	aB	1219	CLA	C2-C3-C5-C6
14	bB	1224	CLA	C2-C3-C5-C6
17	a3	521	BCR	C11-C12-C13-C14
17	a6	521	BCR	C7-C8-C9-C10
17	bB	4009	BCR	C17-C18-C19-C20
17	b4	521	BCR	C11-C12-C13-C14
17	c3	521	BCR	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
17	T	522	BCR	C7-C8-C9-C10
17	a	523	BCR	C21-C22-C23-C24
17	i	521	BCR	C7-C8-C9-C10
17	j	524	BCR	C21-C22-C23-C24
17	o	521	BCR	C7-C8-C9-C10
17	o	523	BCR	C21-C22-C23-C24
14	b6	505	CLA	C16-C17-C18-C19
14	cL	1503	CLA	C16-C17-C18-C20
14	a2	511	CLA	O1A-CGA-O2A-C1
14	a3	518	CLA	C2A-CAA-CBA-CGA
14	cB	1204	CLA	C2A-CAA-CBA-CGA
14	e	508	CLA	C2A-CAA-CBA-CGA
14	f	512	CLA	C2A-CAA-CBA-CGA
14	g	505	CLA	C2A-CAA-CBA-CGA
14	m	505	CLA	C2A-CAA-CBA-CGA
14	bA	1237	CLA	O1D-CGD-O2D-CED
18	aA	5005	LHG	O6-C4-C5-C6
18	aX	4021	LHG	O6-C4-C5-C6
14	bB	1221	CLA	CBD-CGD-O2D-CED
14	b2	504	CLA	CBD-CGD-O2D-CED
14	X	508	CLA	CBD-CGD-O2D-CED
20	a3	822	SQD	O10-C23-O48-C46
14	a2	511	CLA	C2-C3-C5-C6
14	S	518	CLA	C2-C3-C5-C6
20	c3	822	SQD	C5-C6-S-O7
14	bA	1119	CLA	C13-C15-C16-C17
14	b3	501	CLA	C15-C16-C17-C18
14	b1	504	CLA	O1D-CGD-O2D-CED
14	aA	1122	CLA	C11-C10-C8-C7
14	aA	1125	CLA	C11-C10-C8-C7
14	aA	1134	CLA	C11-C10-C8-C7
14	aB	1214	CLA	C11-C12-C13-C15
14	aB	1224	CLA	C6-C7-C8-C10
14	aB	1229	CLA	C11-C10-C8-C7
14	a4	518	CLA	C11-C10-C8-C7
14	a5	505	CLA	C11-C12-C13-C15
14	a6	504	CLA	C6-C7-C8-C10
14	a6	509	CLA	C11-C12-C13-C15
14	bA	1123	CLA	C12-C13-C15-C16
14	bA	1125	CLA	C11-C10-C8-C7
14	bA	1128	CLA	C11-C10-C8-C7
14	bB	1224	CLA	C6-C7-C8-C10

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Mol	Chain	Res	Type	Atoms
14	bB	1224	CLA	C11-C10-C8-C7
14	bB	1229	CLA	C11-C10-C8-C7
14	bB	1235	CLA	C6-C7-C8-C10
14	bB	1239	CLA	C11-C10-C8-C7
14	b1	505	CLA	C11-C12-C13-C15
14	b3	511	CLA	C12-C13-C15-C16
14	b6	503	CLA	C6-C7-C8-C10
14	cB	1023	CLA	C12-C13-C15-C16
14	cB	1224	CLA	C11-C10-C8-C7
14	cB	1225	CLA	C11-C10-C8-C7
14	cB	1229	CLA	C11-C10-C8-C7
14	c3	511	CLA	C11-C12-C13-C15
14	c5	505	CLA	C11-C12-C13-C15
14	c5	509	CLA	C11-C12-C13-C15
14	c6	503	CLA	C11-C10-C8-C7
14	c6	509	CLA	C12-C13-C15-C16
14	T	502	CLA	C6-C7-C8-C10
14	T	502	CLA	C11-C10-C8-C7
14	T	510	CLA	C6-C7-C8-C10
14	V	509	CLA	C6-C7-C8-C10
14	V	509	CLA	C12-C13-C15-C16
14	X	505	CLA	C11-C12-C13-C15
14	Y	507	CLA	C11-C10-C8-C7
14	Z	507	CLA	C11-C10-C8-C7
14	c	509	CLA	C11-C12-C13-C15
14	e	505	CLA	C6-C7-C8-C10
14	n	502	CLA	C6-C7-C8-C10
14	q	501	CLA	C6-C7-C8-C10
14	a2	502	CLA	C11-C12-C13-C15
14	cA	1111	CLA	C6-C7-C8-C10
14	cB	1203	CLA	C16-C17-C18-C19
14	a5	509	CLA	C15-C16-C17-C18
14	c3	512	CLA	CBD-CGD-O2D-CED
14	bB	1213	CLA	O1A-CGA-O2A-C1
14	cA	1237	CLA	CBA-CGA-O2A-C1
14	Z	513	CLA	CBA-CGA-O2A-C1
14	W	509	CLA	C5-C6-C7-C8
14	b5	503	CLA	O1A-CGA-O2A-C1
18	aA	5005	LHG	C2-C3-O3-P
18	bX	4021	LHG	C2-C3-O3-P
14	aA	1102	CLA	C3A-C2A-CAA-CBA
14	bA	1119	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	aA	1125	CLA	C16-C17-C18-C19
14	aB	1218	CLA	C11-C12-C13-C15
14	bA	1118	CLA	C11-C12-C13-C15
14	c6	509	CLA	C16-C17-C18-C19
18	bA	5003	LHG	C11-C10-C9-C8
18	cA	5001	LHG	C28-C29-C30-C31
20	e	822	SQD	O47-C7-C8-C9
14	a6	503	CLA	C2-C3-C5-C6
14	bA	1132	CLA	C2-C3-C5-C6
14	bB	1226	CLA	C2-C3-C5-C6
18	bX	4021	LHG	O6-C4-C5-O7
18	cX	4021	LHG	O6-C4-C5-O7
14	aA	1117	CLA	C15-C16-C17-C18
14	aA	1140	CLA	C2A-CAA-CBA-CGA
14	c1	512	CLA	C2A-CAA-CBA-CGA
14	T	518	CLA	C2A-CAA-CBA-CGA
14	aB	1224	CLA	C11-C10-C8-C9
14	aB	1235	CLA	C6-C7-C8-C9
14	a5	518	CLA	C11-C10-C8-C9
14	a6	507	CLA	C11-C12-C13-C14
14	bA	1109	CLA	C11-C12-C13-C14
14	bA	1136	CLA	C11-C10-C8-C9
14	bL	1502	CLA	C6-C7-C8-C9
14	b1	507	CLA	C11-C10-C8-C9
14	b2	505	CLA	C6-C7-C8-C9
14	b3	509	CLA	C11-C10-C8-C9
14	cA	1104	CLA	C14-C13-C15-C16
14	cA	1123	CLA	C11-C10-C8-C9
14	cA	1125	CLA	C11-C10-C8-C9
14	cB	1226	CLA	C11-C12-C13-C14
14	cL	1501	CLA	C11-C12-C13-C14
14	c3	511	CLA	C6-C7-C8-C9
14	c4	505	CLA	C14-C13-C15-C16
14	X	505	CLA	C14-C13-C15-C16
14	Y	505	CLA	C14-C13-C15-C16
20	W	822	SQD	O47-C7-C8-C9
14	a5	503	CLA	C5-C6-C7-C8
14	c5	501	CLA	C8-C10-C11-C12
17	b5	521	BCR	C9-C10-C11-C12
17	c3	521	BCR	C9-C10-C11-C12
17	T	522	BCR	C9-C10-C11-C12
17	Y	522	BCR	C9-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
17	b	522	BCR	C9-C10-C11-C12
14	cA	1137	CLA	CBD-CGD-O2D-CED
14	a6	509	CLA	C8-C10-C11-C12
14	aJ	1302	CLA	C1-C2-C3-C4
14	cJ	1302	CLA	C1-C2-C3-C4
20	a3	822	SQD	O5-C5-C6-S
14	aA	1136	CLA	C3-C5-C6-C7
14	a1	509	CLA	C3-C5-C6-C7
14	cB	1214	CLA	C3-C5-C6-C7
18	cA	5005	LHG	C29-C30-C31-C32
14	b4	508	CLA	O1A-CGA-O2A-C1
14	Z	513	CLA	O1A-CGA-O2A-C1
18	aA	5002	LHG	O7-C5-C6-O8
18	bA	5004	LHG	O7-C5-C6-O8
20	a5	822	SQD	O47-C45-C46-O48
20	b1	822	SQD	O6-C44-C45-O47
20	c1	822	SQD	O6-C44-C45-O47
20	c2	822	SQD	O47-C45-C46-O48
20	c4	822	SQD	O6-C44-C45-O47
20	c4	822	SQD	O47-C45-C46-O48
20	c5	822	SQD	O6-C44-C45-O47
20	c6	822	SQD	O6-C44-C45-O47
20	X	822	SQD	O47-C45-C46-O48
20	d	822	SQD	O6-C44-C45-O47
20	e	822	SQD	O6-C44-C45-O47
20	f	822	SQD	O6-C44-C45-O47
20	i	822	SQD	O6-C44-C45-O47
20	m	822	SQD	O6-C44-C45-O47
20	n	822	SQD	O6-C44-C45-O47
20	p	822	SQD	O6-C44-C45-O47
21	bB	5002	LMG	C38-C39-C40-C41
18	cA	5002	LHG	C1-C2-C3-O3
14	aB	1235	CLA	C13-C15-C16-C17
14	a5	502	CLA	C10-C11-C12-C13
14	bB	1210	CLA	C15-C16-C17-C18
14	b5	502	CLA	C8-C10-C11-C12
14	a5	505	CLA	C16-C17-C18-C20
14	b6	507	CLA	C11-C12-C13-C14
18	bA	5001	LHG	C28-C29-C30-C31
18	aA	5002	LHG	C4-C5-C6-O8
20	a2	822	SQD	O6-C44-C45-C46
20	a3	822	SQD	O6-C44-C45-C46

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Mol	Chain	Res	Type	Atoms
20	a5	822	SQD	O6-C44-C45-C46
20	b1	822	SQD	O6-C44-C45-C46
20	b3	822	SQD	O6-C44-C45-C46
20	b5	822	SQD	O6-C44-C45-C46
20	c3	822	SQD	O6-C44-C45-C46
20	c5	822	SQD	O6-C44-C45-C46
20	c6	822	SQD	O6-C44-C45-C46
20	S	822	SQD	C44-C45-C46-O48
20	V	822	SQD	O6-C44-C45-C46
20	W	822	SQD	O6-C44-C45-C46
20	c	822	SQD	O6-C44-C45-C46
20	h	822	SQD	O6-C44-C45-C46
20	m	822	SQD	O6-C44-C45-C46
20	n	822	SQD	O6-C44-C45-C46
20	p	822	SQD	C44-C45-C46-O48
20	q	822	SQD	O6-C44-C45-C46
15	cB	2002	PQN	C14-C13-C15-C16
14	bB	1229	CLA	CAA-CBA-CGA-O2A
14	o	518	CLA	CAA-CBA-CGA-O2A
20	b2	822	SQD	O47-C7-C8-C9
14	aA	1125	CLA	C2-C3-C5-C6
14	a1	519	CLA	CBD-CGD-O2D-CED
14	b5	501	CLA	CBD-CGD-O2D-CED
14	aA	1111	CLA	CAD-CBD-CGD-O2D
14	aK	1401	CLA	CAD-CBD-CGD-O2D
14	a1	506	CLA	CAD-CBD-CGD-O2D
14	a1	519	CLA	CAD-CBD-CGD-O2D
14	a2	505	CLA	CAD-CBD-CGD-O2D
14	a2	510	CLA	CAD-CBD-CGD-O2D
14	a3	516	CLA	CAD-CBD-CGD-O2D
14	a4	505	CLA	CAD-CBD-CGD-O2D
14	a4	512	CLA	CAD-CBD-CGD-O2D
14	a5	504	CLA	CAD-CBD-CGD-O2D
14	a5	507	CLA	CAD-CBD-CGD-O2D
14	a5	512	CLA	CAD-CBD-CGD-O2D
14	a6	504	CLA	CAD-CBD-CGD-O2D
14	bA	1103	CLA	CAD-CBD-CGD-O2D
14	bA	1111	CLA	CAD-CBD-CGD-O2D
14	bA	1113	CLA	CAD-CBD-CGD-O2D
14	bA	1125	CLA	CAD-CBD-CGD-O2D
14	b1	511	CLA	CAD-CBD-CGD-O2D
14	b2	506	CLA	CAD-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	b3	504	CLA	CAD-CBD-CGD-O2D
14	b4	505	CLA	CAD-CBD-CGD-O2D
14	b4	516	CLA	CAD-CBD-CGD-O2D
14	b5	504	CLA	CAD-CBD-CGD-O2D
14	b6	507	CLA	CAD-CBD-CGD-O2D
14	cA	1111	CLA	CAD-CBD-CGD-O2D
14	cA	1113	CLA	CAD-CBD-CGD-O2D
14	cB	1202	CLA	CAD-CBD-CGD-O2D
14	c1	506	CLA	CAD-CBD-CGD-O2D
14	c2	501	CLA	CAD-CBD-CGD-O2D
14	c2	502	CLA	CAD-CBD-CGD-O2D
14	c3	506	CLA	CAD-CBD-CGD-O2D
14	c4	505	CLA	CAD-CBD-CGD-O2D
14	c4	507	CLA	CAD-CBD-CGD-O2D
14	c5	503	CLA	CAD-CBD-CGD-O2D
14	c5	512	CLA	CAD-CBD-CGD-O2D
14	c5	517	CLA	CAD-CBD-CGD-O2D
14	c6	512	CLA	CAD-CBD-CGD-O2D
14	c6	519	CLA	CAD-CBD-CGD-O2D
14	S	507	CLA	CAD-CBD-CGD-O2D
14	S	509	CLA	CAD-CBD-CGD-O2D
14	U	507	CLA	CAD-CBD-CGD-O2D
14	W	511	CLA	CAD-CBD-CGD-O2D
14	X	505	CLA	CAD-CBD-CGD-O2D
14	X	506	CLA	CAD-CBD-CGD-O2D
14	X	507	CLA	CAD-CBD-CGD-O2D
14	X	518	CLA	CAD-CBD-CGD-O2D
14	X	519	CLA	CAD-CBD-CGD-O2D
14	Y	506	CLA	CAD-CBD-CGD-O2D
14	Y	511	CLA	CAD-CBD-CGD-O2D
14	Y	516	CLA	CAD-CBD-CGD-O2D
14	Y	518	CLA	CAD-CBD-CGD-O2D
14	Z	501	CLA	CAD-CBD-CGD-O2D
14	Z	512	CLA	CAD-CBD-CGD-O2D
14	Z	516	CLA	CAD-CBD-CGD-O2D
14	a	507	CLA	CAD-CBD-CGD-O2D
14	a	512	CLA	CAD-CBD-CGD-O2D
14	b	507	CLA	CAD-CBD-CGD-O2D
14	c	507	CLA	CAD-CBD-CGD-O2D
14	c	512	CLA	CAD-CBD-CGD-O2D
14	d	505	CLA	CAD-CBD-CGD-O2D
14	d	512	CLA	CAD-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	e	503	CLA	CAD-CBD-CGD-O2D
14	f	504	CLA	CAD-CBD-CGD-O2D
14	f	511	CLA	CAD-CBD-CGD-O2D
14	g	516	CLA	CAD-CBD-CGD-O2D
14	h	512	CLA	CAD-CBD-CGD-O2D
14	i	501	CLA	CAD-CBD-CGD-O2D
14	i	509	CLA	CAD-CBD-CGD-O2D
14	i	512	CLA	CAD-CBD-CGD-O2D
14	j	512	CLA	CAD-CBD-CGD-O2D
14	k	501	CLA	CAD-CBD-CGD-O2D
14	l	507	CLA	CAD-CBD-CGD-O2D
14	l	512	CLA	CAD-CBD-CGD-O2D
14	m	503	CLA	CAD-CBD-CGD-O2D
14	m	512	CLA	CAD-CBD-CGD-O2D
14	n	502	CLA	CAD-CBD-CGD-O2D
14	n	503	CLA	CAD-CBD-CGD-O2D
14	n	509	CLA	CAD-CBD-CGD-O2D
14	n	511	CLA	CAD-CBD-CGD-O2D
14	n	512	CLA	CAD-CBD-CGD-O2D
14	o	503	CLA	CAD-CBD-CGD-O2D
14	o	505	CLA	CAD-CBD-CGD-O2D
14	o	509	CLA	CAD-CBD-CGD-O2D
14	p	507	CLA	CAD-CBD-CGD-O2D
14	p	512	CLA	CAD-CBD-CGD-O2D
14	q	503	CLA	CAD-CBD-CGD-O2D
14	q	505	CLA	CAD-CBD-CGD-O2D
14	q	516	CLA	CAD-CBD-CGD-O2D
14	bA	1128	CLA	C5-C6-C7-C8
14	d	505	CLA	C8-C10-C11-C12
14	c6	504	CLA	O1D-CGD-O2D-CED
20	b3	822	SQD	C24-C25-C26-C27
14	b4	512	CLA	O1D-CGD-O2D-CED
14	c5	518	CLA	CBA-CGA-O2A-C1
14	T	502	CLA	C11-C12-C13-C15
14	aA	1116	CLA	C2A-CAA-CBA-CGA
14	aB	1214	CLA	C2A-CAA-CBA-CGA
14	bA	1106	CLA	C2A-CAA-CBA-CGA
14	b6	501	CLA	C2A-CAA-CBA-CGA
14	cB	1217	CLA	C2A-CAA-CBA-CGA
14	cJ	1302	CLA	C2A-CAA-CBA-CGA
14	X	501	CLA	C2A-CAA-CBA-CGA
14	Y	518	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	i	517	CLA	C2A-CAA-CBA-CGA
14	c4	509	CLA	C5-C6-C7-C8
14	a3	519	CLA	CBD-CGD-O2D-CED
14	aB	1228	CLA	O1D-CGD-O2D-CED
14	a6	504	CLA	C10-C11-C12-C13
20	a5	822	SQD	O47-C7-C8-C9
14	cA	1237	CLA	O1A-CGA-O2A-C1
14	aA	1102	CLA	CHA-CBD-CGD-O1D
14	aA	1111	CLA	CAD-CBD-CGD-O1D
14	aA	1125	CLA	CAD-CBD-CGD-O1D
14	aB	1223	CLA	CAD-CBD-CGD-O1D
14	aB	1226	CLA	CHA-CBD-CGD-O1D
14	aB	1227	CLA	CHA-CBD-CGD-O1D
14	aB	1227	CLA	CHA-CBD-CGD-O2D
14	aB	1234	CLA	CHA-CBD-CGD-O1D
14	aB	1234	CLA	CHA-CBD-CGD-O2D
14	aB	1232	CLA	CHA-CBD-CGD-O1D
14	aK	1401	CLA	CAD-CBD-CGD-O1D
14	aX	1401	CLA	CHA-CBD-CGD-O1D
14	aX	1401	CLA	CHA-CBD-CGD-O2D
14	a1	506	CLA	CAD-CBD-CGD-O1D
14	a1	510	CLA	CHA-CBD-CGD-O1D
14	a1	512	CLA	CHA-CBD-CGD-O1D
14	a1	512	CLA	CHA-CBD-CGD-O2D
14	a1	518	CLA	CHA-CBD-CGD-O1D
14	a1	518	CLA	CHA-CBD-CGD-O2D
14	a1	519	CLA	CAD-CBD-CGD-O1D
14	a2	505	CLA	CAD-CBD-CGD-O1D
14	a2	509	CLA	CHA-CBD-CGD-O2D
14	a2	510	CLA	CAD-CBD-CGD-O1D
14	a2	519	CLA	CHA-CBD-CGD-O1D
14	a2	519	CLA	CHA-CBD-CGD-O2D
14	a3	506	CLA	CAD-CBD-CGD-O1D
14	a3	516	CLA	CAD-CBD-CGD-O1D
14	a3	518	CLA	CHA-CBD-CGD-O1D
14	a3	518	CLA	CHA-CBD-CGD-O2D
14	a3	519	CLA	CHA-CBD-CGD-O1D
14	a4	503	CLA	CAD-CBD-CGD-O1D
14	a4	504	CLA	CAD-CBD-CGD-O1D
14	a4	505	CLA	CAD-CBD-CGD-O1D
14	a4	506	CLA	CHA-CBD-CGD-O1D
14	a4	506	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	a4	512	CLA	CAD-CBD-CGD-O1D
14	a4	517	CLA	CAD-CBD-CGD-O1D
14	a4	518	CLA	CHA-CBD-CGD-O1D
14	a5	504	CLA	CAD-CBD-CGD-O1D
14	a5	507	CLA	CAD-CBD-CGD-O1D
14	a5	509	CLA	CHA-CBD-CGD-O1D
14	a5	509	CLA	CHA-CBD-CGD-O2D
14	a5	510	CLA	CHA-CBD-CGD-O1D
14	a5	510	CLA	CHA-CBD-CGD-O2D
14	a5	512	CLA	CAD-CBD-CGD-O1D
14	a5	517	CLA	CAD-CBD-CGD-O1D
14	a6	504	CLA	CAD-CBD-CGD-O1D
14	a6	510	CLA	CHA-CBD-CGD-O1D
14	a6	510	CLA	CHA-CBD-CGD-O2D
14	bA	1103	CLA	CAD-CBD-CGD-O1D
14	bA	1111	CLA	CAD-CBD-CGD-O1D
14	bA	1113	CLA	CAD-CBD-CGD-O1D
14	bA	1118	CLA	CHA-CBD-CGD-O1D
14	bA	1118	CLA	CHA-CBD-CGD-O2D
14	bA	1120	CLA	CAD-CBD-CGD-O1D
14	bA	1125	CLA	CAD-CBD-CGD-O1D
14	bA	1135	CLA	CHA-CBD-CGD-O1D
14	bA	1135	CLA	CHA-CBD-CGD-O2D
14	bB	1208	CLA	CHA-CBD-CGD-O1D
14	bB	1217	CLA	CHA-CBD-CGD-O2D
14	bB	1223	CLA	CAD-CBD-CGD-O1D
14	bB	1227	CLA	CHA-CBD-CGD-O1D
14	bB	1227	CLA	CHA-CBD-CGD-O2D
14	bB	1232	CLA	CHA-CBD-CGD-O1D
14	bK	1401	CLA	CAD-CBD-CGD-O1D
14	bX	1401	CLA	CHA-CBD-CGD-O1D
14	bX	1401	CLA	CHA-CBD-CGD-O2D
14	b1	510	CLA	CHA-CBD-CGD-O1D
14	b1	510	CLA	CHA-CBD-CGD-O2D
14	b1	511	CLA	CAD-CBD-CGD-O1D
14	b1	518	CLA	CHA-CBD-CGD-O1D
14	b1	518	CLA	CHA-CBD-CGD-O2D
14	b1	519	CLA	CHA-CBD-CGD-O1D
14	b1	519	CLA	CHA-CBD-CGD-O2D
14	b2	501	CLA	CAD-CBD-CGD-O1D
14	b2	506	CLA	CAD-CBD-CGD-O1D
14	b2	516	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	b2	516	CLA	CHA-CBD-CGD-O2D
14	b2	518	CLA	CHA-CBD-CGD-O1D
14	b2	519	CLA	CHA-CBD-CGD-O1D
14	b2	519	CLA	CHA-CBD-CGD-O2D
14	b3	504	CLA	CAD-CBD-CGD-O1D
14	b3	508	CLA	CHA-CBD-CGD-O1D
14	b3	510	CLA	CHA-CBD-CGD-O1D
14	b3	510	CLA	CHA-CBD-CGD-O2D
14	b3	512	CLA	CHA-CBD-CGD-O1D
14	b3	518	CLA	CAD-CBD-CGD-O1D
14	b4	504	CLA	CHA-CBD-CGD-O1D
14	b4	504	CLA	CHA-CBD-CGD-O2D
14	b4	505	CLA	CAD-CBD-CGD-O1D
14	b4	507	CLA	CAD-CBD-CGD-O1D
14	b4	510	CLA	CHA-CBD-CGD-O1D
14	b4	510	CLA	CHA-CBD-CGD-O2D
14	b4	516	CLA	CAD-CBD-CGD-O1D
14	b5	504	CLA	CAD-CBD-CGD-O1D
14	b6	501	CLA	CHA-CBD-CGD-O1D
14	b6	501	CLA	CHA-CBD-CGD-O2D
14	b6	502	CLA	CHA-CBD-CGD-O1D
14	b6	502	CLA	CHA-CBD-CGD-O2D
14	b6	507	CLA	CAD-CBD-CGD-O1D
14	b6	519	CLA	CHA-CBD-CGD-O1D
14	b6	519	CLA	CHA-CBD-CGD-O2D
14	cA	1105	CLA	CHA-CBD-CGD-O1D
14	cA	1111	CLA	CAD-CBD-CGD-O1D
14	cA	1113	CLA	CAD-CBD-CGD-O1D
14	cA	1125	CLA	CAD-CBD-CGD-O1D
14	cA	1135	CLA	CHA-CBD-CGD-O1D
14	cA	1135	CLA	CHA-CBD-CGD-O2D
14	cB	1202	CLA	CAD-CBD-CGD-O1D
14	cB	1223	CLA	CAD-CBD-CGD-O1D
14	cB	1226	CLA	CHA-CBD-CGD-O1D
14	cB	1227	CLA	CHA-CBD-CGD-O1D
14	cB	1232	CLA	CHA-CBD-CGD-O1D
14	cX	1401	CLA	CHA-CBD-CGD-O1D
14	c1	506	CLA	CAD-CBD-CGD-O1D
14	c1	518	CLA	CHA-CBD-CGD-O1D
14	c1	518	CLA	CHA-CBD-CGD-O2D
14	c2	501	CLA	CAD-CBD-CGD-O1D
14	c2	502	CLA	CAD-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	c2	512	CLA	CHA-CBD-CGD-O1D
14	c2	512	CLA	CHA-CBD-CGD-O2D
14	c3	506	CLA	CAD-CBD-CGD-O1D
14	c3	510	CLA	CHA-CBD-CGD-O2D
14	c4	504	CLA	CHA-CBD-CGD-O1D
14	c4	504	CLA	CHA-CBD-CGD-O2D
14	c4	505	CLA	CAD-CBD-CGD-O1D
14	c4	507	CLA	CAD-CBD-CGD-O1D
14	c4	512	CLA	CAD-CBD-CGD-O1D
14	c5	501	CLA	CHA-CBD-CGD-O1D
14	c5	501	CLA	CHA-CBD-CGD-O2D
14	c5	503	CLA	CAD-CBD-CGD-O1D
14	c5	512	CLA	CAD-CBD-CGD-O1D
14	c5	517	CLA	CAD-CBD-CGD-O1D
14	c5	518	CLA	CAD-CBD-CGD-O1D
14	c6	501	CLA	CHA-CBD-CGD-O1D
14	c6	501	CLA	CHA-CBD-CGD-O2D
14	c6	503	CLA	CAD-CBD-CGD-O1D
14	c6	505	CLA	CAD-CBD-CGD-O1D
14	c6	512	CLA	CAD-CBD-CGD-O1D
14	c6	518	CLA	CHA-CBD-CGD-O1D
14	c6	519	CLA	CAD-CBD-CGD-O1D
14	S	504	CLA	CHA-CBD-CGD-O1D
14	S	504	CLA	CHA-CBD-CGD-O2D
14	S	507	CLA	CAD-CBD-CGD-O1D
14	S	509	CLA	CAD-CBD-CGD-O1D
14	S	511	CLA	CHA-CBD-CGD-O1D
14	S	518	CLA	CHA-CBD-CGD-O1D
14	S	518	CLA	CHA-CBD-CGD-O2D
14	S	519	CLA	CHA-CBD-CGD-O1D
14	S	519	CLA	CHA-CBD-CGD-O2D
14	T	504	CLA	CHA-CBD-CGD-O1D
14	T	504	CLA	CHA-CBD-CGD-O2D
14	T	518	CLA	CHA-CBD-CGD-O1D
14	T	518	CLA	CHA-CBD-CGD-O2D
14	U	502	CLA	CHA-CBD-CGD-O1D
14	U	507	CLA	CAD-CBD-CGD-O1D
14	U	519	CLA	CHA-CBD-CGD-O1D
14	U	519	CLA	CHA-CBD-CGD-O2D
14	V	503	CLA	CHA-CBD-CGD-O1D
14	V	510	CLA	CHA-CBD-CGD-O1D
14	V	510	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	V	511	CLA	CHA-CBD-CGD-O1D
14	V	512	CLA	CHA-CBD-CGD-O1D
14	V	512	CLA	CHA-CBD-CGD-O2D
14	V	517	CLA	CHA-CBD-CGD-O1D
14	V	518	CLA	CHA-CBD-CGD-O1D
14	W	511	CLA	CAD-CBD-CGD-O1D
14	X	504	CLA	CHA-CBD-CGD-O1D
14	X	504	CLA	CHA-CBD-CGD-O2D
14	X	505	CLA	CAD-CBD-CGD-O1D
14	X	506	CLA	CAD-CBD-CGD-O1D
14	X	507	CLA	CAD-CBD-CGD-O1D
14	X	509	CLA	CHA-CBD-CGD-O1D
14	X	509	CLA	CHA-CBD-CGD-O2D
14	X	512	CLA	CHA-CBD-CGD-O1D
14	X	512	CLA	CHA-CBD-CGD-O2D
14	X	518	CLA	CAD-CBD-CGD-O1D
14	X	519	CLA	CAD-CBD-CGD-O1D
14	Y	503	CLA	CHA-CBD-CGD-O1D
14	Y	503	CLA	CHA-CBD-CGD-O2D
14	Y	506	CLA	CAD-CBD-CGD-O1D
14	Y	509	CLA	CHA-CBD-CGD-O1D
14	Y	510	CLA	CHA-CBD-CGD-O1D
14	Y	511	CLA	CAD-CBD-CGD-O1D
14	Y	516	CLA	CAD-CBD-CGD-O1D
14	Y	518	CLA	CAD-CBD-CGD-O1D
14	Z	501	CLA	CAD-CBD-CGD-O1D
14	Z	509	CLA	CHA-CBD-CGD-O2D
14	Z	512	CLA	CAD-CBD-CGD-O1D
14	Z	516	CLA	CAD-CBD-CGD-O1D
14	a	504	CLA	CHA-CBD-CGD-O1D
14	a	507	CLA	CAD-CBD-CGD-O1D
14	a	510	CLA	CHA-CBD-CGD-O1D
14	a	510	CLA	CHA-CBD-CGD-O2D
14	a	512	CLA	CAD-CBD-CGD-O1D
14	b	504	CLA	CHA-CBD-CGD-O1D
14	b	504	CLA	CHA-CBD-CGD-O2D
14	b	507	CLA	CAD-CBD-CGD-O1D
14	b	512	CLA	CHA-CBD-CGD-O1D
14	b	512	CLA	CHA-CBD-CGD-O2D
14	c	507	CLA	CAD-CBD-CGD-O1D
14	c	509	CLA	CHA-CBD-CGD-O1D
14	c	509	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	c	512	CLA	CAD-CBD-CGD-O1D
14	d	502	CLA	CAD-CBD-CGD-O1D
14	d	505	CLA	CAD-CBD-CGD-O1D
14	d	507	CLA	CAD-CBD-CGD-O1D
14	d	509	CLA	CHA-CBD-CGD-O1D
14	d	509	CLA	CHA-CBD-CGD-O2D
14	d	512	CLA	CAD-CBD-CGD-O1D
14	e	503	CLA	CAD-CBD-CGD-O1D
14	e	510	CLA	CHA-CBD-CGD-O1D
14	e	510	CLA	CHA-CBD-CGD-O2D
14	f	504	CLA	CAD-CBD-CGD-O1D
14	f	511	CLA	CAD-CBD-CGD-O1D
14	g	502	CLA	CHA-CBD-CGD-O1D
14	g	502	CLA	CHA-CBD-CGD-O2D
14	g	506	CLA	CHA-CBD-CGD-O1D
14	g	506	CLA	CHA-CBD-CGD-O2D
14	g	507	CLA	CHA-CBD-CGD-O1D
14	g	509	CLA	CHA-CBD-CGD-O1D
14	g	509	CLA	CHA-CBD-CGD-O2D
14	g	516	CLA	CAD-CBD-CGD-O1D
14	g	518	CLA	CHA-CBD-CGD-O1D
14	g	518	CLA	CHA-CBD-CGD-O2D
14	h	502	CLA	CAD-CBD-CGD-O1D
14	h	506	CLA	CHA-CBD-CGD-O1D
14	h	506	CLA	CHA-CBD-CGD-O2D
14	h	507	CLA	CAD-CBD-CGD-O1D
14	h	510	CLA	CHA-CBD-CGD-O1D
14	h	510	CLA	CHA-CBD-CGD-O2D
14	h	512	CLA	CAD-CBD-CGD-O1D
14	h	518	CLA	CHA-CBD-CGD-O1D
14	i	501	CLA	CAD-CBD-CGD-O1D
14	i	505	CLA	CAD-CBD-CGD-O1D
14	i	509	CLA	CAD-CBD-CGD-O1D
14	i	512	CLA	CAD-CBD-CGD-O1D
14	j	510	CLA	CHA-CBD-CGD-O1D
14	j	512	CLA	CAD-CBD-CGD-O1D
14	j	513	CLA	CAD-CBD-CGD-O1D
14	j	518	CLA	CHA-CBD-CGD-O1D
14	j	518	CLA	CHA-CBD-CGD-O2D
14	k	501	CLA	CAD-CBD-CGD-O1D
14	k	509	CLA	CHA-CBD-CGD-O1D
14	k	509	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	k	517	CLA	CAD-CBD-CGD-O1D
14	k	518	CLA	CHA-CBD-CGD-O1D
14	k	518	CLA	CHA-CBD-CGD-O2D
14	k	519	CLA	CAD-CBD-CGD-O1D
14	l	504	CLA	CAD-CBD-CGD-O1D
14	l	507	CLA	CAD-CBD-CGD-O1D
14	l	511	CLA	CHA-CBD-CGD-O1D
14	l	512	CLA	CAD-CBD-CGD-O1D
14	l	518	CLA	CHA-CBD-CGD-O1D
14	l	518	CLA	CHA-CBD-CGD-O2D
14	m	501	CLA	CHA-CBD-CGD-O1D
14	m	501	CLA	CHA-CBD-CGD-O2D
14	m	503	CLA	CAD-CBD-CGD-O1D
14	m	507	CLA	CHA-CBD-CGD-O1D
14	m	507	CLA	CHA-CBD-CGD-O2D
14	m	512	CLA	CAD-CBD-CGD-O1D
14	m	513	CLA	CHA-CBD-CGD-O1D
14	n	502	CLA	CAD-CBD-CGD-O1D
14	n	503	CLA	CAD-CBD-CGD-O1D
14	n	506	CLA	CHA-CBD-CGD-O1D
14	n	506	CLA	CHA-CBD-CGD-O2D
14	n	509	CLA	CAD-CBD-CGD-O1D
14	n	511	CLA	CAD-CBD-CGD-O1D
14	n	512	CLA	CAD-CBD-CGD-O1D
14	n	513	CLA	CAD-CBD-CGD-O1D
14	n	518	CLA	CHA-CBD-CGD-O1D
14	n	518	CLA	CHA-CBD-CGD-O2D
14	o	503	CLA	CAD-CBD-CGD-O1D
14	o	505	CLA	CAD-CBD-CGD-O1D
14	o	509	CLA	CAD-CBD-CGD-O1D
14	o	510	CLA	CHA-CBD-CGD-O1D
14	o	510	CLA	CHA-CBD-CGD-O2D
14	o	511	CLA	CAD-CBD-CGD-O1D
14	p	502	CLA	CHA-CBD-CGD-O1D
14	p	502	CLA	CHA-CBD-CGD-O2D
14	p	507	CLA	CAD-CBD-CGD-O1D
14	p	509	CLA	CAD-CBD-CGD-O1D
14	p	510	CLA	CHA-CBD-CGD-O1D
14	p	512	CLA	CAD-CBD-CGD-O1D
14	q	503	CLA	CAD-CBD-CGD-O1D
14	q	504	CLA	CHA-CBD-CGD-O1D
14	q	504	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	q	505	CLA	CAD-CBD-CGD-O1D
14	q	509	CLA	CHA-CBD-CGD-O1D
14	q	509	CLA	CHA-CBD-CGD-O2D
14	q	511	CLA	CAD-CBD-CGD-O1D
14	q	516	CLA	CAD-CBD-CGD-O1D
17	a5	521	BCR	C9-C10-C11-C12
17	b1	521	BCR	C9-C10-C11-C12
17	b1	522	BCR	C9-C10-C11-C12
17	b3	521	BCR	C9-C10-C11-C12
17	cL	4022	BCR	C9-C10-C11-C12
17	c2	522	BCR	C9-C10-C11-C12
17	T	521	BCR	C9-C10-C11-C12
17	X	521	BCR	C9-C10-C11-C12
17	p	521	BCR	C9-C10-C11-C12
17	q	522	BCR	C9-C10-C11-C12
18	aA	5002	LHG	C3-O3-P-O5
18	bA	5002	LHG	C3-O3-P-O5
18	bA	5005	LHG	C3-O3-P-O5
18	cA	5002	LHG	C3-O3-P-O5
18	cA	5003	LHG	C3-O3-P-O5
20	b	822	SQD	C11-C10-C9-C8
21	cB	5002	LMG	C28-C29-C30-C31
20	bB	1852	SQD	C26-C27-C28-C29
14	aA	1117	CLA	C4-C3-C5-C6
14	aA	1107	CLA	C2B-C3B-CAB-CBB
14	aA	1109	CLA	C2B-C3B-CAB-CBB
14	aA	1110	CLA	C2B-C3B-CAB-CBB
14	aA	1114	CLA	C2B-C3B-CAB-CBB
14	aA	1125	CLA	C2B-C3B-CAB-CBB
14	aA	1138	CLA	C2B-C3B-CAB-CBB
14	aA	1139	CLA	C2B-C3B-CAB-CBB
14	aA	1140	CLA	C2B-C3B-CAB-CBB
14	aB	1218	CLA	C2B-C3B-CAB-CBB
14	aB	1234	CLA	C2B-C3B-CAB-CBB
14	aB	1238	CLA	C2B-C3B-CAB-CBB
14	aF	1301	CLA	C2B-C3B-CAB-CBB
14	aK	1103	CLA	C2B-C3B-CAB-CBB
14	aX	1401	CLA	C2B-C3B-CAB-CBB
14	a1	504	CLA	C2B-C3B-CAB-CBB
14	a1	517	CLA	C2B-C3B-CAB-CBB
14	a1	519	CLA	C2B-C3B-CAB-CBB
14	a2	517	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	a3	501	CLA	C2B-C3B-CAB-CBB
14	a3	517	CLA	C2B-C3B-CAB-CBB
14	a3	519	CLA	C2B-C3B-CAB-CBB
14	a4	501	CLA	C2B-C3B-CAB-CBB
14	a4	517	CLA	C2B-C3B-CAB-CBB
14	a5	501	CLA	C2B-C3B-CAB-CBB
14	a5	502	CLA	C2B-C3B-CAB-CBB
14	a5	517	CLA	C2B-C3B-CAB-CBB
14	a6	501	CLA	C2B-C3B-CAB-CBB
14	a6	503	CLA	C2B-C3B-CAB-CBB
14	a6	517	CLA	C2B-C3B-CAB-CBB
14	bA	1101	CLA	C2B-C3B-CAB-CBB
14	bA	1109	CLA	C2B-C3B-CAB-CBB
14	bA	1110	CLA	C2B-C3B-CAB-CBB
14	bA	1114	CLA	C2B-C3B-CAB-CBB
14	bA	1121	CLA	C2B-C3B-CAB-CBB
14	bA	1134	CLA	C2B-C3B-CAB-CBB
14	bA	1138	CLA	C2B-C3B-CAB-CBB
14	bA	1140	CLA	C2B-C3B-CAB-CBB
14	bA	1237	CLA	C2B-C3B-CAB-CBB
14	bB	1209	CLA	C2B-C3B-CAB-CBB
14	bB	1218	CLA	C2B-C3B-CAB-CBB
14	bB	1232	CLA	C2B-C3B-CAB-CBB
14	bB	1234	CLA	C2B-C3B-CAB-CBB
14	bB	1239	CLA	C2B-C3B-CAB-CBB
14	bF	1301	CLA	C2B-C3B-CAB-CBB
14	bJ	1302	CLA	C2B-C3B-CAB-CBB
14	bX	1401	CLA	C2B-C3B-CAB-CBB
14	b1	501	CLA	C2B-C3B-CAB-CBB
14	b1	504	CLA	C2B-C3B-CAB-CBB
14	b1	517	CLA	C2B-C3B-CAB-CBB
14	b2	517	CLA	C2B-C3B-CAB-CBB
14	b3	501	CLA	C2B-C3B-CAB-CBB
14	b3	502	CLA	C2B-C3B-CAB-CBB
14	b3	517	CLA	C2B-C3B-CAB-CBB
14	b4	501	CLA	C2B-C3B-CAB-CBB
14	b5	501	CLA	C2B-C3B-CAB-CBB
14	b5	503	CLA	C2B-C3B-CAB-CBB
14	b6	517	CLA	C2B-C3B-CAB-CBB
14	cA	1110	CLA	C2B-C3B-CAB-CBB
14	cA	1134	CLA	C2B-C3B-CAB-CBB
14	cA	1136	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	cA	1138	CLA	C2B-C3B-CAB-CBB
14	cA	1140	CLA	C2B-C3B-CAB-CBB
14	cB	1209	CLA	C2B-C3B-CAB-CBB
14	cB	1218	CLA	C2B-C3B-CAB-CBB
14	cB	1234	CLA	C2B-C3B-CAB-CBB
14	cB	1239	CLA	C2B-C3B-CAB-CBB
14	cX	1401	CLA	C2B-C3B-CAB-CBB
14	c1	501	CLA	C2B-C3B-CAB-CBB
14	c1	504	CLA	C2B-C3B-CAB-CBB
14	c1	517	CLA	C2B-C3B-CAB-CBB
14	c2	517	CLA	C2B-C3B-CAB-CBB
14	c3	501	CLA	C2B-C3B-CAB-CBB
14	c3	517	CLA	C2B-C3B-CAB-CBB
14	c4	501	CLA	C2B-C3B-CAB-CBB
14	c4	517	CLA	C2B-C3B-CAB-CBB
14	c5	517	CLA	C2B-C3B-CAB-CBB
14	c6	501	CLA	C2B-C3B-CAB-CBB
14	c6	517	CLA	C2B-C3B-CAB-CBB
14	S	504	CLA	C2B-C3B-CAB-CBB
14	S	512	CLA	C2B-C3B-CAB-CBB
14	S	517	CLA	C2B-C3B-CAB-CBB
14	S	519	CLA	C2B-C3B-CAB-CBB
14	T	504	CLA	C2B-C3B-CAB-CBB
14	T	517	CLA	C2B-C3B-CAB-CBB
14	U	517	CLA	C2B-C3B-CAB-CBB
14	V	501	CLA	C2B-C3B-CAB-CBB
14	V	504	CLA	C2B-C3B-CAB-CBB
14	W	517	CLA	C2B-C3B-CAB-CBB
14	X	501	CLA	C2B-C3B-CAB-CBB
14	X	504	CLA	C2B-C3B-CAB-CBB
14	X	517	CLA	C2B-C3B-CAB-CBB
14	Y	501	CLA	C2B-C3B-CAB-CBB
14	Y	504	CLA	C2B-C3B-CAB-CBB
14	Y	517	CLA	C2B-C3B-CAB-CBB
14	Z	501	CLA	C2B-C3B-CAB-CBB
14	a	501	CLA	C2B-C3B-CAB-CBB
14	a	504	CLA	C2B-C3B-CAB-CBB
14	b	504	CLA	C2B-C3B-CAB-CBB
14	b	517	CLA	C2B-C3B-CAB-CBB
14	b	519	CLA	C2B-C3B-CAB-CBB
14	c	501	CLA	C2B-C3B-CAB-CBB
14	c	503	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	c	504	CLA	C2B-C3B-CAB-CBB
14	c	517	CLA	C2B-C3B-CAB-CBB
14	d	503	CLA	C2B-C3B-CAB-CBB
14	d	504	CLA	C2B-C3B-CAB-CBB
14	d	517	CLA	C2B-C3B-CAB-CBB
14	e	503	CLA	C2B-C3B-CAB-CBB
14	e	517	CLA	C2B-C3B-CAB-CBB
14	g	504	CLA	C2B-C3B-CAB-CBB
14	g	517	CLA	C2B-C3B-CAB-CBB
14	h	517	CLA	C2B-C3B-CAB-CBB
14	i	504	CLA	C2B-C3B-CAB-CBB
14	i	516	CLA	C2B-C3B-CAB-CBB
14	i	517	CLA	C2B-C3B-CAB-CBB
14	j	504	CLA	C2B-C3B-CAB-CBB
14	j	519	CLA	C2B-C3B-CAB-CBB
14	k	501	CLA	C2B-C3B-CAB-CBB
14	k	517	CLA	C2B-C3B-CAB-CBB
14	m	501	CLA	C2B-C3B-CAB-CBB
14	m	517	CLA	C2B-C3B-CAB-CBB
14	n	503	CLA	C2B-C3B-CAB-CBB
14	o	504	CLA	C2B-C3B-CAB-CBB
14	o	512	CLA	C2B-C3B-CAB-CBB
14	p	501	CLA	C2B-C3B-CAB-CBB
14	q	504	CLA	C2B-C3B-CAB-CBB
14	q	519	CLA	C2B-C3B-CAB-CBB
17	a4	523	BCR	C1-C6-C7-C8
17	a4	523	BCR	C23-C24-C25-C30
17	cJ	4013	BCR	C23-C24-C25-C30
17	V	523	BCR	C23-C24-C25-C30
17	i	522	BCR	C5-C6-C7-C8
17	q	522	BCR	C5-C6-C7-C8
14	c4	507	CLA	CBD-CGD-O2D-CED
20	d	822	SQD	O47-C7-C8-C9
14	cB	1231	CLA	C2-C3-C5-C6
17	bJ	4012	BCR	C11-C12-C13-C35
17	b4	521	BCR	C7-C8-C9-C34
17	cF	4014	BCR	C7-C8-C9-C34
17	S	521	BCR	C7-C8-C9-C34
17	g	521	BCR	C7-C8-C9-C34
17	j	521	BCR	C7-C8-C9-C34
17	p	521	BCR	C7-C8-C9-C34
18	aX	4021	LHG	C2-C3-O3-P

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Mol	Chain	Res	Type	Atoms
18	cA	5005	LHG	C2-C3-O3-P
18	cX	4021	LHG	C2-C3-O3-P
19	bA	1848	LMU	C2-C3-C4-C5
14	a	509	CLA	C3-C5-C6-C7
14	aA	1137	CLA	O1D-CGD-O2D-CED
14	a3	502	CLA	O1D-CGD-O2D-CED
14	bA	1116	CLA	O1D-CGD-O2D-CED
14	cA	1127	CLA	C5-C6-C7-C8
14	h	509	CLA	C5-C6-C7-C8
14	aB	1202	CLA	C16-C17-C18-C19
14	a2	502	CLA	C11-C12-C13-C14
14	m	501	CLA	O1D-CGD-O2D-CED
21	c1	5104	LMG	C12-C13-C14-C15
14	aL	1503	CLA	CAA-CBA-CGA-O2A
14	n	518	CLA	CAA-CBA-CGA-O2A
17	c6	523	BCR	C7-C8-C9-C10
17	j	521	BCR	C21-C22-C23-C24
17	p	521	BCR	C11-C12-C13-C14
14	k	513	CLA	CBD-CGD-O2D-CED
14	U	516	CLA	C4C-C3C-CAC-CBC
14	Z	509	CLA	C3-C5-C6-C7
18	cA	5003	LHG	C27-C28-C29-C30
14	a3	518	CLA	CAA-CBA-CGA-O2A
14	cB	1205	CLA	C16-C17-C18-C20
14	c5	518	CLA	O1A-CGA-O2A-C1
14	aB	1207	CLA	C15-C16-C17-C18
14	bB	1235	CLA	C13-C15-C16-C17
14	cA	1124	CLA	C11-C10-C8-C7
14	cB	1215	CLA	C12-C13-C15-C16
14	b5	516	CLA	O2A-C1-C2-C3
20	a2	822	SQD	C46-C45-O47-C7
20	a3	822	SQD	C46-C45-O47-C7
20	a5	822	SQD	C46-C45-O47-C7
20	b3	822	SQD	C46-C45-O47-C7
20	b4	822	SQD	C44-C45-O47-C7
20	c2	822	SQD	C46-C45-O47-C7
20	c4	822	SQD	C46-C45-O47-C7
20	S	822	SQD	C46-C45-O47-C7
20	c	822	SQD	C46-C45-O47-C7
20	h	822	SQD	C46-C45-O47-C7
20	q	822	SQD	C46-C45-O47-C7
14	b1	518	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	cA	1128	CLA	C5-C6-C7-C8
14	cB	1224	CLA	C2-C3-C5-C6
17	bK	4001	BCR	C15-C16-C17-C18
17	i	522	BCR	C9-C10-C11-C12
20	a3	822	SQD	C30-C31-C32-C33
14	aA	1115	CLA	C11-C12-C13-C15
14	a1	508	CLA	C6-C7-C8-C9
14	cA	1118	CLA	C11-C12-C13-C14
14	c3	508	CLA	C6-C7-C8-C10
14	Y	505	CLA	C16-C17-C18-C20
14	aB	1213	CLA	C5-C6-C7-C8
14	bA	1118	CLA	C5-C6-C7-C8
14	bB	1226	CLA	C13-C15-C16-C17
18	bA	5003	LHG	C25-C26-C27-C28
14	aB	1238	CLA	CBA-CGA-O2A-C1
14	b1	508	CLA	C3-C5-C6-C7
18	cA	5002	LHG	C32-C33-C34-C35
14	a4	509	CLA	C10-C11-C12-C13
14	cB	1235	CLA	C13-C15-C16-C17
14	Y	501	CLA	C15-C16-C17-C18
14	aB	1210	CLA	C11-C10-C8-C9
14	aB	1222	CLA	C11-C10-C8-C9
14	aB	1224	CLA	C6-C7-C8-C9
14	aB	1239	CLA	C11-C10-C8-C9
14	a1	516	CLA	C6-C7-C8-C9
14	a6	504	CLA	C11-C12-C13-C14
14	a6	505	CLA	C14-C13-C15-C16
14	bB	1213	CLA	C6-C7-C8-C9
14	bB	1224	CLA	C6-C7-C8-C9
14	bB	1225	CLA	C11-C10-C8-C9
14	bB	1235	CLA	C6-C7-C8-C9
14	bL	1501	CLA	C11-C12-C13-C14
14	b1	509	CLA	C6-C7-C8-C9
14	b3	518	CLA	C6-C7-C8-C9
14	b6	502	CLA	C6-C7-C8-C9
14	b6	507	CLA	C11-C10-C8-C9
14	cA	1102	CLA	C6-C7-C8-C9
14	cA	1103	CLA	C11-C10-C8-C9
14	cA	1103	CLA	C11-C12-C13-C14
14	cA	1109	CLA	C11-C12-C13-C14
14	cB	1210	CLA	C11-C10-C8-C9
14	cB	1221	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
14	cB	1224	CLA	C11-C10-C8-C9
14	cB	1225	CLA	C11-C10-C8-C9
14	cB	1235	CLA	C11-C12-C13-C14
14	cB	1239	CLA	C11-C12-C13-C14
14	cL	1501	CLA	C11-C10-C8-C9
14	cL	1502	CLA	C6-C7-C8-C9
14	c1	505	CLA	C6-C7-C8-C9
14	c4	508	CLA	C11-C10-C8-C9
14	c6	503	CLA	C6-C7-C8-C9
14	X	503	CLA	C14-C13-C15-C16
14	Z	505	CLA	C14-C13-C15-C16
14	Z	507	CLA	C11-C10-C8-C9
14	d	505	CLA	C6-C7-C8-C9
14	n	509	CLA	C11-C10-C8-C9
14	q	501	CLA	C6-C7-C8-C9
14	T	509	CLA	C14-C13-C15-C16
14	aA	1123	CLA	C11-C10-C8-C7
14	aB	1210	CLA	C11-C10-C8-C7
14	bA	1109	CLA	C11-C12-C13-C15
14	bB	1213	CLA	C6-C7-C8-C10
14	cB	1210	CLA	C11-C10-C8-C7
14	cB	1235	CLA	C11-C12-C13-C15
14	cB	1239	CLA	C11-C12-C13-C15
14	cB	1239	CLA	C12-C13-C15-C16
14	c6	503	CLA	C6-C7-C8-C10
14	X	503	CLA	C12-C13-C15-C16
14	cA	1118	CLA	CBD-CGD-O2D-CED
18	aA	5002	LHG	C1-C2-C3-O3
20	a3	822	SQD	O5-C1-O6-C44
20	b3	822	SQD	O5-C1-O6-C44
20	i	822	SQD	O5-C1-O6-C44
21	bJ	5104	LMG	O6-C1-O1-C7
14	aB	1207	CLA	C2A-CAA-CBA-CGA
14	aB	1213	CLA	C16-C17-C18-C19
14	a1	507	CLA	C11-C12-C13-C14
14	cB	1234	CLA	C11-C12-C13-C15
14	cL	1503	CLA	C16-C17-C18-C19
14	b3	518	CLA	CAA-CBA-CGA-O2A
20	b3	822	SQD	C27-C28-C29-C30
14	aB	1238	CLA	O1A-CGA-O2A-C1
14	b1	504	CLA	C5-C6-C7-C8
14	c	504	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	cA	1013	CLA	C8-C10-C11-C12
14	aA	1134	CLA	O1D-CGD-O2D-CED
14	b1	518	CLA	C4-C3-C5-C6
14	Y	518	CLA	CAA-CBA-CGA-O2A
20	g	822	SQD	O47-C7-C8-C9
14	i	505	CLA	C2-C3-C5-C6
14	bA	1128	CLA	CBA-CGA-O2A-C1
14	aL	1503	CLA	C16-C17-C18-C19
14	a5	502	CLA	C11-C12-C13-C15
14	cA	1111	CLA	C6-C7-C8-C9
14	c6	509	CLA	C16-C17-C18-C20
14	W	501	CLA	C15-C16-C17-C18
20	aB	1852	SQD	C29-C30-C31-C32
14	cA	1137	CLA	O1D-CGD-O2D-CED
14	bA	1102	CLA	C13-C15-C16-C17
14	cA	1011	CLA	C8-C10-C11-C12
15	bB	2002	PQN	C23-C25-C26-C27
20	c1	822	SQD	C23-C24-C25-C26
18	aA	5004	LHG	O7-C5-C6-O8
20	a6	822	SQD	O6-C44-C45-O47
20	S	822	SQD	O6-C44-C45-O47
20	Y	822	SQD	O6-C44-C45-O47
14	b4	518	CLA	CAA-CBA-CGA-O2A
14	c4	518	CLA	CAA-CBA-CGA-O2A
14	Z	518	CLA	CAA-CBA-CGA-O2A
18	bX	4021	LHG	C24-C25-C26-C27
14	a6	504	CLA	CBA-CGA-O2A-C1
14	cB	1238	CLA	CBA-CGA-O2A-C1
14	cA	1122	CLA	C11-C12-C13-C14
14	X	511	CLA	C6-C7-C8-C10
14	a4	518	CLA	CAA-CBA-CGA-O2A
14	a5	518	CLA	CAA-CBA-CGA-O2A
20	c4	822	SQD	O47-C7-C8-C9
14	bB	1207	CLA	C2A-CAA-CBA-CGA
14	cA	1135	CLA	C2A-CAA-CBA-CGA
14	c4	518	CLA	C2A-CAA-CBA-CGA
14	bA	1115	CLA	C8-C10-C11-C12
14	aB	1225	CLA	CBA-CGA-O2A-C1
14	a1	512	CLA	C2-C1-O2A-CGA
14	bB	1209	CLA	C2-C1-O2A-CGA
14	cA	1107	CLA	C6-C7-C8-C10
14	X	518	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	b	518	CLA	CAA-CBA-CGA-O2A
14	p	518	CLA	CAA-CBA-CGA-O2A
20	n	822	SQD	O47-C7-C8-C9
20	b4	822	SQD	O6-C44-C45-C46
20	c4	822	SQD	O6-C44-C45-C46
14	b2	504	CLA	O1D-CGD-O2D-CED
14	T	518	CLA	CAA-CBA-CGA-O2A
17	U	522	BCR	C7-C8-C9-C34
14	b1	511	CLA	C6-C7-C8-C10
17	c4	522	BCR	C7-C8-C9-C10
14	a3	513	CLA	CBA-CGA-O2A-C1
14	c4	519	CLA	CBA-CGA-O2A-C1
14	aA	1126	CLA	CAA-CBA-CGA-O2A
14	c4	519	CLA	O1A-CGA-O2A-C1
14	aA	1106	CLA	C2A-CAA-CBA-CGA
14	a1	512	CLA	C2A-CAA-CBA-CGA
14	a2	501	CLA	C2A-CAA-CBA-CGA
14	a5	504	CLA	C2A-CAA-CBA-CGA
14	a5	518	CLA	C2A-CAA-CBA-CGA
14	a6	501	CLA	C2A-CAA-CBA-CGA
14	bA	1116	CLA	C2A-CAA-CBA-CGA
14	b1	518	CLA	C2A-CAA-CBA-CGA
14	b4	518	CLA	C2A-CAA-CBA-CGA
14	b5	512	CLA	C2A-CAA-CBA-CGA
14	cA	1106	CLA	C2A-CAA-CBA-CGA
14	cB	1211	CLA	C2A-CAA-CBA-CGA
14	V	516	CLA	C2A-CAA-CBA-CGA
14	c	501	CLA	C2A-CAA-CBA-CGA
14	k	511	CLA	C2A-CAA-CBA-CGA
14	m	501	CLA	C2A-CAA-CBA-CGA
17	aB	4009	BCR	C19-C20-C21-C22
17	a5	522	BCR	C9-C10-C11-C12
17	b2	521	BCR	C9-C10-C11-C12
17	cM	4021	BCR	C19-C20-C21-C22
17	V	522	BCR	C9-C10-C11-C12
17	h	522	BCR	C9-C10-C11-C12
21	bB	5002	LMG	C28-C29-C30-C31
20	a6	822	SQD	O5-C1-O6-C44
14	bA	1022	CLA	C4-C3-C5-C6
14	j	510	CLA	C4-C3-C5-C6
15	aB	2002	PQN	C14-C13-C15-C16
14	c3	512	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
18	aA	5002	LHG	C32-C33-C34-C35
14	cB	1238	CLA	O1A-CGA-O2A-C1
14	W	518	CLA	CAA-CBA-CGA-O1A
19	bB	1843	LMU	C2-C1-O1'-C1'
14	X	508	CLA	O1D-CGD-O2D-CED
14	bK	1401	CLA	C6-C7-C8-C10
14	c	505	CLA	C16-C17-C18-C20
14	cB	1023	CLA	C2C-C3C-CAC-CBC
14	aA	1125	CLA	C11-C10-C8-C9
14	bA	1133	CLA	C11-C12-C13-C14
14	bB	1210	CLA	C6-C7-C8-C9
14	bB	1224	CLA	C11-C10-C8-C9
14	bB	1225	CLA	C14-C13-C15-C16
14	bB	1239	CLA	C11-C10-C8-C9
14	b1	505	CLA	C11-C12-C13-C14
14	b4	509	CLA	C14-C13-C15-C16
14	cA	1106	CLA	C11-C12-C13-C14
14	c6	509	CLA	C14-C13-C15-C16
14	c	509	CLA	C11-C12-C13-C14
14	o	510	CLA	C6-C7-C8-C9
18	aX	4021	LHG	C24-C25-C26-C27
14	a1	519	CLA	O1D-CGD-O2D-CED
14	a1	513	CLA	CBA-CGA-O2A-C1
14	b	503	CLA	CBA-CGA-O2A-C1
20	c6	822	SQD	C24-C23-O48-C46
14	a3	519	CLA	O1D-CGD-O2D-CED
14	b5	501	CLA	O1D-CGD-O2D-CED
14	aA	1133	CLA	C4B-C3B-CAB-CBB
14	aA	1139	CLA	C4B-C3B-CAB-CBB
14	bA	1104	CLA	C4B-C3B-CAB-CBB
14	b2	502	CLA	C4B-C3B-CAB-CBB
14	c1	509	CLA	C4B-C3B-CAB-CBB
14	c4	512	CLA	C4B-C3B-CAB-CBB
14	V	512	CLA	C4B-C3B-CAB-CBB
14	Y	518	CLA	C4B-C3B-CAB-CBB
14	c	518	CLA	C4B-C3B-CAB-CBB
14	d	502	CLA	C4B-C3B-CAB-CBB
14	g	502	CLA	C4B-C3B-CAB-CBB
14	g	519	CLA	C4B-C3B-CAB-CBB
14	o	502	CLA	C4B-C3B-CAB-CBB
14	p	512	CLA	C4B-C3B-CAB-CBB
14	q	502	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	c2	504	CLA	CBD-CGD-O2D-CED
18	aA	5004	LHG	C28-C29-C30-C31
14	aA	1132	CLA	C5-C6-C7-C8
14	k	511	CLA	CAA-CBA-CGA-O2A
14	c4	507	CLA	O1D-CGD-O2D-CED
14	a5	505	CLA	C16-C17-C18-C19
14	bB	1221	CLA	C11-C12-C13-C15
14	cB	1021	CLA	CAA-CBA-CGA-O1A
14	cA	1128	CLA	CBA-CGA-O2A-C1
14	c5	508	CLA	CBA-CGA-O2A-C1
14	g	519	CLA	CAA-CBA-CGA-O2A
14	j	512	CLA	CAA-CBA-CGA-O2A
14	p	501	CLA	CAA-CBA-CGA-O2A
14	a	509	CLA	C5-C6-C7-C8
14	aB	1225	CLA	O1A-CGA-O2A-C1
14	a6	504	CLA	O1A-CGA-O2A-C1
14	U	516	CLA	C2A-CAA-CBA-CGA
14	bB	1021	CLA	C4-C3-C5-C6
14	cB	1219	CLA	C4-C3-C5-C6
15	bB	2002	PQN	C14-C13-C15-C16
14	k	513	CLA	O1D-CGD-O2D-CED
14	aA	1117	CLA	C2-C3-C5-C6
14	p	518	CLA	O2A-C1-C2-C3
14	cA	1102	CLA	CAA-CBA-CGA-O1A
14	c6	509	CLA	C3-C5-C6-C7
14	b1	503	CLA	C15-C16-C17-C18
14	a4	516	CLA	CAA-CBA-CGA-O2A
14	b6	517	CLA	CAA-CBA-CGA-O2A
14	bA	1128	CLA	O1A-CGA-O2A-C1
14	b	503	CLA	O1A-CGA-O2A-C1
17	d	522	BCR	C9-C10-C11-C12
14	bB	1221	CLA	C5-C6-C7-C8
14	Y	503	CLA	C13-C15-C16-C17
14	aB	1202	CLA	C16-C17-C18-C20
14	bA	1118	CLA	C11-C12-C13-C14
20	X	822	SQD	O47-C7-C8-C9
14	aB	1213	CLA	C6-C7-C8-C10
14	a2	503	CLA	C12-C13-C15-C16
14	a2	509	CLA	C11-C10-C8-C7
14	bA	1101	CLA	C11-C10-C8-C7
14	bA	1126	CLA	C11-C10-C8-C7
14	bB	1210	CLA	C6-C7-C8-C10

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Mol	Chain	Res	Type	Atoms
14	bB	1223	CLA	C11-C10-C8-C7
14	b4	501	CLA	C12-C13-C15-C16
14	cA	1106	CLA	C6-C7-C8-C10
14	cB	1204	CLA	C6-C7-C8-C10
14	c1	503	CLA	C12-C13-C15-C16
14	c4	510	CLA	C6-C7-C8-C10
14	c5	503	CLA	C6-C7-C8-C10
14	V	501	CLA	C11-C10-C8-C7
14	cB	1203	CLA	C8-C10-C11-C12
14	a1	513	CLA	O1A-CGA-O2A-C1
14	a3	513	CLA	O1A-CGA-O2A-C1
21	aB	5002	LMG	C18-C19-C20-C21
14	b	503	CLA	C3-C5-C6-C7
18	bA	5002	LHG	O2-C2-C3-O3
14	cA	1118	CLA	O1D-CGD-O2D-CED
14	bA	1126	CLA	CAA-CBA-CGA-O2A
14	cL	1503	CLA	CAA-CBA-CGA-O2A
20	a2	822	SQD	O47-C7-C8-C9
14	aB	1218	CLA	C11-C12-C13-C14
14	a1	508	CLA	C6-C7-C8-C10
14	a5	502	CLA	C11-C12-C13-C14
14	Y	505	CLA	C16-C17-C18-C19
14	S	518	CLA	CAA-CBA-CGA-O1A
14	i	518	CLA	CAA-CBA-CGA-O1A
14	bB	1221	CLA	O1D-CGD-O2D-CED
14	aA	1103	CLA	C10-C11-C12-C13
14	b1	505	CLA	C13-C15-C16-C17
14	b6	510	CLA	C5-C6-C7-C8
14	T	502	CLA	C5-C6-C7-C8
20	Y	822	SQD	O10-C23-O48-C46
14	a2	513	CLA	CBD-CGD-O2D-CED
14	aA	1113	CLA	C3A-C2A-CAA-CBA
14	aA	1237	CLA	C3A-C2A-CAA-CBA
14	aB	1201	CLA	C3A-C2A-CAA-CBA
14	a4	507	CLA	C4-C3-C5-C6
14	a6	512	CLA	C3A-C2A-CAA-CBA
14	b1	512	CLA	C3A-C2A-CAA-CBA
14	b4	517	CLA	C3A-C2A-CAA-CBA
14	cA	1013	CLA	C3A-C2A-CAA-CBA
14	cA	1124	CLA	C3A-C2A-CAA-CBA
14	cB	1230	CLA	C3A-C2A-CAA-CBA
14	cL	1502	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	c2	512	CLA	C3A-C2A-CAA-CBA
14	c4	501	CLA	C4-C3-C5-C6
14	W	516	CLA	C3A-C2A-CAA-CBA
14	f	505	CLA	C3A-C2A-CAA-CBA
14	h	504	CLA	C3A-C2A-CAA-CBA
14	l	509	CLA	C3A-C2A-CAA-CBA
14	m	507	CLA	C3A-C2A-CAA-CBA
14	p	517	CLA	C3A-C2A-CAA-CBA
14	c5	504	CLA	C5-C6-C7-C8
14	bA	1116	CLA	CAA-CBA-CGA-O2A
14	bB	1224	CLA	CAA-CBA-CGA-O2A
14	c1	518	CLA	CAA-CBA-CGA-O2A
14	bA	1119	CLA	C2-C3-C5-C6
14	g	501	CLA	C2-C3-C5-C6
14	cB	1207	CLA	C2A-CAA-CBA-CGA
14	cB	1219	CLA	C2A-CAA-CBA-CGA
14	U	501	CLA	CAA-CBA-CGA-O1A
17	aA	4011	BCR	C11-C10-C9-C34
17	aA	4011	BCR	C16-C17-C18-C36
17	aB	4006	BCR	C11-C10-C9-C34
17	aB	4006	BCR	C20-C21-C22-C37
17	aF	4016	BCR	C35-C13-C14-C15
17	aI	4020	BCR	C20-C21-C22-C37
17	bA	4011	BCR	C11-C10-C9-C34
17	bA	4011	BCR	C16-C17-C18-C36
17	bB	4006	BCR	C11-C10-C9-C34
17	bB	4006	BCR	C20-C21-C22-C37
17	bF	4016	BCR	C35-C13-C14-C15
17	bI	4020	BCR	C20-C21-C22-C37
17	cA	4011	BCR	C11-C10-C9-C34
17	cA	4011	BCR	C16-C17-C18-C36
17	cB	4006	BCR	C11-C10-C9-C34
17	cB	4006	BCR	C20-C21-C22-C37
17	cF	4016	BCR	C35-C13-C14-C15
17	cI	4020	BCR	C20-C21-C22-C37
14	aA	1128	CLA	C5-C6-C7-C8
14	a	505	CLA	C10-C11-C12-C13
14	c	504	CLA	O1D-CGD-O2D-CED
14	cB	1215	CLA	C14-C13-C15-C16
14	V	517	CLA	CAA-CBA-CGA-O1A
14	k	517	CLA	CAA-CBA-CGA-O2A
14	c6	501	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
14	U	502	CLA	C5-C6-C7-C8
14	a1	516	CLA	C2-C1-O2A-CGA
14	b3	512	CLA	C2-C1-O2A-CGA
14	cB	1203	CLA	C2-C1-O2A-CGA
14	Z	503	CLA	C2-C1-O2A-CGA
14	l	502	CLA	C2-C1-O2A-CGA
17	aF	4015	BCR	C9-C10-C11-C12
17	aM	4021	BCR	C19-C20-C21-C22
17	a2	521	BCR	C9-C10-C11-C12
17	bF	4015	BCR	C9-C10-C11-C12
17	bJ	4013	BCR	C19-C20-C21-C22
17	cB	4009	BCR	C19-C20-C21-C22
17	c5	522	BCR	C9-C10-C11-C12
17	b	521	BCR	C9-C10-C11-C12
17	b	522	BCR	C13-C14-C15-C16
17	g	522	BCR	C9-C10-C11-C12
14	a2	513	CLA	O1D-CGD-O2D-CED
14	b2	505	CLA	C10-C11-C12-C13
14	Z	518	CLA	C5-C6-C7-C8
17	c6	521	BCR	C11-C12-C13-C35
17	c	521	BCR	C37-C22-C23-C24
17	j	523	BCR	C7-C8-C9-C34
21	cB	5002	LMG	C18-C19-C20-C21
14	e	501	CLA	CAA-CBA-CGA-O1A
14	k	511	CLA	CAA-CBA-CGA-O1A
14	p	501	CLA	CAA-CBA-CGA-O1A
14	a2	511	CLA	C4-C3-C5-C6
14	S	518	CLA	C4-C3-C5-C6
14	a6	504	CLA	C8-C10-C11-C12
14	S	509	CLA	C8-C10-C11-C12
14	c2	504	CLA	O1D-CGD-O2D-CED
14	c3	517	CLA	CAA-CBA-CGA-O1A
14	V	506	CLA	CAA-CBA-CGA-O1A
14	l	501	CLA	CAA-CBA-CGA-O1A
17	aJ	4012	BCR	C11-C12-C13-C14
17	U	524	BCR	C21-C22-C23-C24
14	aA	1140	CLA	C4-C3-C5-C6
14	bA	1117	CLA	C4-C3-C5-C6
14	bA	1237	CLA	C4-C3-C5-C6
14	cA	1117	CLA	C4-C3-C5-C6
18	aA	5004	LHG	C7-C8-C9-C10
14	aA	1115	CLA	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
14	aA	1121	CLA	C6-C7-C8-C10
14	b1	507	CLA	C10-C11-C12-C13
14	c3	505	CLA	C10-C11-C12-C13
14	h	509	CLA	C10-C11-C12-C13
14	aB	1217	CLA	C2A-CAA-CBA-CGA
14	a1	504	CLA	C2A-CAA-CBA-CGA
14	b1	501	CLA	C2A-CAA-CBA-CGA
14	cB	1202	CLA	C2A-CAA-CBA-CGA
14	Z	518	CLA	C2A-CAA-CBA-CGA
14	l	508	CLA	C2A-CAA-CBA-CGA
14	a4	516	CLA	CAA-CBA-CGA-O1A
14	b6	516	CLA	CAA-CBA-CGA-O2A
14	cA	1801	CLA	CAA-CBA-CGA-O2A
14	f	501	CLA	CAA-CBA-CGA-O2A
14	g	519	CLA	CAA-CBA-CGA-O1A
14	j	512	CLA	CAA-CBA-CGA-O1A
14	q	512	CLA	CAA-CBA-CGA-O2A
14	b5	507	CLA	CBA-CGA-O2A-C1
20	a1	822	SQD	O6-C44-C45-C46
20	b5	822	SQD	C44-C45-C46-O48
14	bA	1102	CLA	CAA-CBA-CGA-O1A
14	cB	1221	CLA	C10-C11-C12-C13
14	cB	1234	CLA	C5-C6-C7-C8
14	c4	508	CLA	C8-C10-C11-C12
14	a3	517	CLA	CAA-CBA-CGA-O1A
14	b6	517	CLA	CAA-CBA-CGA-O1A
14	Y	512	CLA	CAA-CBA-CGA-O1A
14	Z	517	CLA	CAA-CBA-CGA-O1A
14	f	511	CLA	CAA-CBA-CGA-O1A
14	i	511	CLA	CAA-CBA-CGA-O1A
14	o	516	CLA	CAA-CBA-CGA-O1A
14	aA	1102	CLA	C6-C7-C8-C9
14	aA	1116	CLA	C6-C7-C8-C9
14	aA	1139	CLA	C6-C7-C8-C9
14	aA	1140	CLA	C11-C10-C8-C9
14	aB	1201	CLA	C6-C7-C8-C9
14	aB	1213	CLA	C6-C7-C8-C9
14	aL	1502	CLA	C6-C7-C8-C9
14	a1	503	CLA	C11-C10-C8-C9
14	a1	509	CLA	C14-C13-C15-C16
14	a4	505	CLA	C11-C10-C8-C9
14	a4	508	CLA	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
14	a6	509	CLA	C11-C12-C13-C14
14	a6	510	CLA	C6-C7-C8-C9
14	bA	1101	CLA	C11-C10-C8-C9
14	bA	1119	CLA	C11-C10-C8-C9
14	bA	1122	CLA	C11-C10-C8-C9
14	bA	1126	CLA	C14-C13-C15-C16
14	bA	1138	CLA	C6-C7-C8-C9
14	bB	1226	CLA	C11-C12-C13-C14
14	bB	1235	CLA	C11-C12-C13-C14
14	bL	1502	CLA	C11-C10-C8-C9
14	b2	509	CLA	C14-C13-C15-C16
14	cA	1022	CLA	C11-C10-C8-C9
14	cA	1119	CLA	C11-C10-C8-C9
14	cA	1138	CLA	C6-C7-C8-C9
14	cB	1204	CLA	C6-C7-C8-C9
14	cB	1225	CLA	C14-C13-C15-C16
14	cL	1502	CLA	C11-C10-C8-C9
14	c1	503	CLA	C11-C10-C8-C9
14	c1	503	CLA	C14-C13-C15-C16
14	c1	510	CLA	C6-C7-C8-C9
14	c2	505	CLA	C6-C7-C8-C9
14	c2	509	CLA	C14-C13-C15-C16
14	c3	511	CLA	C14-C13-C15-C16
14	c4	509	CLA	C14-C13-C15-C16
14	c4	510	CLA	C6-C7-C8-C9
14	c4	518	CLA	C6-C7-C8-C9
14	V	501	CLA	C11-C10-C8-C9
14	X	505	CLA	C11-C12-C13-C14
14	Z	505	CLA	C6-C7-C8-C9
14	g	505	CLA	C6-C7-C8-C9
14	g	505	CLA	C11-C10-C8-C9
15	bA	2001	PQN	C16-C17-C18-C19
18	bA	5002	LHG	C31-C32-C33-C34
14	c	505	CLA	C15-C16-C17-C18
14	c5	513	CLA	CBD-CGD-O2D-CED
14	b6	519	CLA	CAA-CBA-CGA-O2A
14	j	518	CLA	CAA-CBA-CGA-O2A
14	l	518	CLA	CAA-CBA-CGA-O2A
20	b3	822	SQD	O47-C7-C8-C9
20	V	822	SQD	C46-C45-O47-C7
20	Y	822	SQD	C46-C45-O47-C7
20	i	822	SQD	C46-C45-O47-C7

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Mol	Chain	Res	Type	Atoms
14	b2	509	CLA	C15-C16-C17-C18
14	cB	1207	CLA	C10-C11-C12-C13
14	c3	518	CLA	C3-C5-C6-C7
14	a1	504	CLA	CBD-CGD-O2D-CED
14	c	512	CLA	CBD-CGD-O2D-CED
20	cB	1852	SQD	C25-C26-C27-C28
17	o	521	BCR	C9-C10-C11-C12
14	Z	511	CLA	CAA-CBA-CGA-O1A
14	k	507	CLA	CAA-CBA-CGA-O2A
14	n	501	CLA	CAA-CBA-CGA-O1A
19	aB	1843	LMU	C4-C5-C6-C7
14	aA	1132	CLA	C4-C3-C5-C6
14	cA	1119	CLA	C4-C3-C5-C6
14	cA	1117	CLA	CBD-CGD-O2D-CED
14	W	516	CLA	CBD-CGD-O2D-CED
14	cA	1126	CLA	CAA-CBA-CGA-O2A
20	S	822	SQD	O47-C7-C8-C9
14	b3	504	CLA	C8-C10-C11-C12
14	c	512	CLA	O1D-CGD-O2D-CED
18	aA	5004	LHG	O1-C1-C2-O2
18	bA	5004	LHG	O1-C1-C2-O2
14	aA	1133	CLA	C10-C11-C12-C13
14	V	517	CLA	CAA-CBA-CGA-O2A
14	f	501	CLA	CAA-CBA-CGA-O1A
14	k	517	CLA	CAA-CBA-CGA-O1A
14	q	511	CLA	CAA-CBA-CGA-O1A
18	cX	4021	LHG	C25-C26-C27-C28
14	a3	518	CLA	C11-C12-C13-C14
14	aB	1219	CLA	C2A-CAA-CBA-CGA
14	bA	1134	CLA	C2A-CAA-CBA-CGA
14	bB	1217	CLA	C2A-CAA-CBA-CGA
14	bB	1219	CLA	C2A-CAA-CBA-CGA
14	b3	501	CLA	C2A-CAA-CBA-CGA
14	c4	517	CLA	C2A-CAA-CBA-CGA
14	X	518	CLA	C2A-CAA-CBA-CGA
14	b	518	CLA	C2A-CAA-CBA-CGA
14	d	501	CLA	C2A-CAA-CBA-CGA
14	g	517	CLA	C2A-CAA-CBA-CGA
14	g	518	CLA	C2A-CAA-CBA-CGA
14	i	501	CLA	C2A-CAA-CBA-CGA
14	aA	1115	CLA	C8-C10-C11-C12
14	aA	1013	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	aA	1237	CLA	C1A-C2A-CAA-CBA
14	aB	1207	CLA	C1A-C2A-CAA-CBA
14	a1	511	CLA	C1A-C2A-CAA-CBA
14	a2	512	CLA	C1A-C2A-CAA-CBA
14	a3	501	CLA	C1A-C2A-CAA-CBA
14	a3	512	CLA	C1A-C2A-CAA-CBA
14	bA	1013	CLA	C1A-C2A-CAA-CBA
14	bB	1207	CLA	C1A-C2A-CAA-CBA
14	b1	517	CLA	C1A-C2A-CAA-CBA
14	b2	511	CLA	C1A-C2A-CAA-CBA
14	b3	512	CLA	C1A-C2A-CAA-CBA
14	b3	518	CLA	C1A-C2A-CAA-CBA
14	b4	518	CLA	C1A-C2A-CAA-CBA
14	b6	512	CLA	C1A-C2A-CAA-CBA
14	cA	1013	CLA	C1A-C2A-CAA-CBA
14	cA	1124	CLA	C1A-C2A-CAA-CBA
14	cB	1207	CLA	C1A-C2A-CAA-CBA
14	cL	1503	CLA	C1A-C2A-CAA-CBA
14	c1	512	CLA	C1A-C2A-CAA-CBA
14	c2	516	CLA	C1A-C2A-CAA-CBA
14	c2	517	CLA	C1A-C2A-CAA-CBA
14	c3	509	CLA	C1A-C2A-CAA-CBA
14	c3	511	CLA	C1A-C2A-CAA-CBA
14	c3	518	CLA	C1A-C2A-CAA-CBA
14	c4	508	CLA	C1A-C2A-CAA-CBA
14	c6	511	CLA	C1A-C2A-CAA-CBA
14	T	512	CLA	C1A-C2A-CAA-CBA
14	U	518	CLA	C1A-C2A-CAA-CBA
14	W	501	CLA	C1A-C2A-CAA-CBA
14	W	516	CLA	C1A-C2A-CAA-CBA
14	Z	511	CLA	C1A-C2A-CAA-CBA
14	Z	512	CLA	C1A-C2A-CAA-CBA
14	a	511	CLA	C1A-C2A-CAA-CBA
14	c	501	CLA	C1A-C2A-CAA-CBA
14	d	501	CLA	C1A-C2A-CAA-CBA
14	h	504	CLA	C1A-C2A-CAA-CBA
14	i	518	CLA	C1A-C2A-CAA-CBA
14	k	508	CLA	C1A-C2A-CAA-CBA
14	o	508	CLA	C1A-C2A-CAA-CBA
14	p	518	CLA	C1A-C2A-CAA-CBA
14	q	508	CLA	C1A-C2A-CAA-CBA
17	aA	4011	BCR	C11-C10-C9-C8

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Mol	Chain	Res	Type	Atoms
17	aA	4011	BCR	C16-C17-C18-C19
17	aB	4006	BCR	C11-C10-C9-C8
17	aB	4006	BCR	C20-C21-C22-C23
17	aF	4016	BCR	C12-C13-C14-C15
17	aI	4020	BCR	C20-C21-C22-C23
17	bA	4011	BCR	C11-C10-C9-C8
17	bA	4011	BCR	C16-C17-C18-C19
17	bB	4006	BCR	C11-C10-C9-C8
17	bB	4006	BCR	C20-C21-C22-C23
17	bF	4016	BCR	C12-C13-C14-C15
17	bI	4020	BCR	C20-C21-C22-C23
17	cA	4011	BCR	C11-C10-C9-C8
17	cA	4011	BCR	C16-C17-C18-C19
17	cB	4006	BCR	C11-C10-C9-C8
17	cB	4006	BCR	C20-C21-C22-C23
17	cF	4016	BCR	C12-C13-C14-C15
17	cI	4020	BCR	C20-C21-C22-C23
14	X	511	CLA	C6-C7-C8-C9
14	a3	517	CLA	CAA-CBA-CGA-O2A
14	m	501	CLA	CAA-CBA-CGA-O2A
14	o	516	CLA	CAA-CBA-CGA-O2A
14	bB	1223	CLA	C5-C6-C7-C8
14	a5	509	CLA	C3-C5-C6-C7
19	aA	1848	LMU	O5'-C1'-O1'-C1
20	n	822	SQD	O5-C1-O6-C44
20	q	822	SQD	O5-C1-O6-C44
14	aB	1226	CLA	C5-C6-C7-C8
14	aA	1133	CLA	C2B-C3B-CAB-CBB
14	aB	1209	CLA	C2B-C3B-CAB-CBB
14	aB	1227	CLA	C2B-C3B-CAB-CBB
14	aB	1236	CLA	C2B-C3B-CAB-CBB
14	aB	1239	CLA	C2B-C3B-CAB-CBB
14	aB	1232	CLA	C2B-C3B-CAB-CBB
14	a1	501	CLA	C2B-C3B-CAB-CBB
14	a2	501	CLA	C2B-C3B-CAB-CBB
14	a2	512	CLA	C2B-C3B-CAB-CBB
14	a4	512	CLA	C2B-C3B-CAB-CBB
14	a5	503	CLA	C2B-C3B-CAB-CBB
14	a5	518	CLA	C2B-C3B-CAB-CBB
14	a6	502	CLA	C2B-C3B-CAB-CBB
14	a6	512	CLA	C2B-C3B-CAB-CBB
14	bA	1104	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	bA	1125	CLA	C2B-C3B-CAB-CBB
14	bB	1236	CLA	C2B-C3B-CAB-CBB
14	b1	502	CLA	C2B-C3B-CAB-CBB
14	b1	512	CLA	C2B-C3B-CAB-CBB
14	b1	519	CLA	C2B-C3B-CAB-CBB
14	b2	502	CLA	C2B-C3B-CAB-CBB
14	b2	512	CLA	C2B-C3B-CAB-CBB
14	b5	502	CLA	C2B-C3B-CAB-CBB
14	b6	512	CLA	C2B-C3B-CAB-CBB
14	cA	1101	CLA	C2B-C3B-CAB-CBB
14	cA	1109	CLA	C2B-C3B-CAB-CBB
14	cA	1114	CLA	C2B-C3B-CAB-CBB
14	cA	1139	CLA	C2B-C3B-CAB-CBB
14	cB	1232	CLA	C2B-C3B-CAB-CBB
14	cB	1236	CLA	C2B-C3B-CAB-CBB
14	c1	509	CLA	C2B-C3B-CAB-CBB
14	c1	512	CLA	C2B-C3B-CAB-CBB
14	c2	501	CLA	C2B-C3B-CAB-CBB
14	c2	512	CLA	C2B-C3B-CAB-CBB
14	c3	512	CLA	C2B-C3B-CAB-CBB
14	c3	518	CLA	C2B-C3B-CAB-CBB
14	c4	502	CLA	C2B-C3B-CAB-CBB
14	c5	501	CLA	C2B-C3B-CAB-CBB
14	c5	502	CLA	C2B-C3B-CAB-CBB
14	c5	503	CLA	C2B-C3B-CAB-CBB
14	c5	512	CLA	C2B-C3B-CAB-CBB
14	c5	518	CLA	C2B-C3B-CAB-CBB
14	c6	512	CLA	C2B-C3B-CAB-CBB
14	T	512	CLA	C2B-C3B-CAB-CBB
14	U	516	CLA	C2B-C3B-CAB-CBB
14	W	501	CLA	C2B-C3B-CAB-CBB
14	W	512	CLA	C2B-C3B-CAB-CBB
14	X	502	CLA	C2B-C3B-CAB-CBB
14	Y	518	CLA	C2B-C3B-CAB-CBB
14	Z	517	CLA	C2B-C3B-CAB-CBB
14	a	517	CLA	C2B-C3B-CAB-CBB
14	b	512	CLA	C2B-C3B-CAB-CBB
14	c	512	CLA	C2B-C3B-CAB-CBB
14	c	518	CLA	C2B-C3B-CAB-CBB
14	e	512	CLA	C2B-C3B-CAB-CBB
14	e	513	CLA	C2B-C3B-CAB-CBB
14	e	516	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	f	504	CLA	C2B-C3B-CAB-CBB
14	f	517	CLA	C2B-C3B-CAB-CBB
14	g	502	CLA	C2B-C3B-CAB-CBB
14	g	519	CLA	C2B-C3B-CAB-CBB
14	h	512	CLA	C2B-C3B-CAB-CBB
14	i	512	CLA	C2B-C3B-CAB-CBB
14	j	501	CLA	C2B-C3B-CAB-CBB
14	n	504	CLA	C2B-C3B-CAB-CBB
14	n	512	CLA	C2B-C3B-CAB-CBB
14	q	501	CLA	C2B-C3B-CAB-CBB
14	q	517	CLA	C2B-C3B-CAB-CBB
17	aA	4002	BCR	C5-C6-C7-C8
17	aA	4011	BCR	C5-C6-C7-C8
17	aJ	4012	BCR	C5-C6-C7-C8
17	aJ	4013	BCR	C23-C24-C25-C26
17	a1	521	BCR	C23-C24-C25-C26
17	a2	521	BCR	C23-C24-C25-C30
17	a3	521	BCR	C5-C6-C7-C8
17	a3	523	BCR	C23-C24-C25-C26
17	a4	521	BCR	C1-C6-C7-C8
17	a4	521	BCR	C23-C24-C25-C30
17	a5	523	BCR	C23-C24-C25-C30
17	bA	4002	BCR	C5-C6-C7-C8
17	bI	4019	BCR	C23-C24-C25-C26
17	bJ	4012	BCR	C5-C6-C7-C8
17	bJ	4013	BCR	C23-C24-C25-C26
17	b2	521	BCR	C5-C6-C7-C8
17	b2	521	BCR	C23-C24-C25-C30
17	b3	523	BCR	C23-C24-C25-C30
17	b4	521	BCR	C23-C24-C25-C26
17	b4	523	BCR	C23-C24-C25-C26
17	b5	523	BCR	C23-C24-C25-C30
17	b6	523	BCR	C23-C24-C25-C30
17	cA	4002	BCR	C5-C6-C7-C8
17	cI	4020	BCR	C23-C24-C25-C30
17	cJ	4012	BCR	C5-C6-C7-C8
17	c1	523	BCR	C23-C24-C25-C30
17	c3	521	BCR	C5-C6-C7-C8
17	c3	521	BCR	C23-C24-C25-C26
17	c3	523	BCR	C23-C24-C25-C26
17	c3	524	BCR	C23-C24-C25-C26
17	c4	521	BCR	C1-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
17	c4	523	BCR	C23-C24-C25-C26
17	c5	521	BCR	C1-C6-C7-C8
17	c6	521	BCR	C5-C6-C7-C8
17	S	523	BCR	C5-C6-C7-C8
17	S	523	BCR	C23-C24-C25-C26
17	T	523	BCR	C23-C24-C25-C26
17	U	523	BCR	C23-C24-C25-C26
17	W	521	BCR	C23-C24-C25-C30
17	W	523	BCR	C1-C6-C7-C8
17	W	523	BCR	C23-C24-C25-C26
17	X	521	BCR	C5-C6-C7-C8
17	X	523	BCR	C23-C24-C25-C26
17	Y	521	BCR	C5-C6-C7-C8
17	Y	523	BCR	C23-C24-C25-C30
17	Z	521	BCR	C23-C24-C25-C30
17	Z	523	BCR	C23-C24-C25-C26
17	a	521	BCR	C23-C24-C25-C26
17	a	523	BCR	C23-C24-C25-C26
17	b	521	BCR	C5-C6-C7-C8
17	b	521	BCR	C23-C24-C25-C26
17	b	523	BCR	C23-C24-C25-C26
17	c	523	BCR	C23-C24-C25-C26
17	d	521	BCR	C5-C6-C7-C8
17	d	521	BCR	C23-C24-C25-C30
17	d	523	BCR	C1-C6-C7-C8
17	d	523	BCR	C23-C24-C25-C26
17	f	523	BCR	C23-C24-C25-C26
17	g	523	BCR	C23-C24-C25-C26
17	h	523	BCR	C23-C24-C25-C30
17	j	521	BCR	C5-C6-C7-C8
17	j	521	BCR	C23-C24-C25-C30
17	k	523	BCR	C23-C24-C25-C30
17	k	521	BCR	C5-C6-C7-C8
17	l	523	BCR	C23-C24-C25-C26
17	m	523	BCR	C23-C24-C25-C26
17	m	521	BCR	C5-C6-C7-C8
17	n	523	BCR	C23-C24-C25-C26
17	o	521	BCR	C1-C6-C7-C8
17	o	523	BCR	C23-C24-C25-C26
17	p	523	BCR	C23-C24-C25-C30
17	q	523	BCR	C23-C24-C25-C30
17	q	521	BCR	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	bA	1117	CLA	CBD-CGD-O2D-CED
18	bA	5001	LHG	C23-C24-C25-C26
14	h	518	CLA	CAA-CBA-CGA-O2A
14	aA	1801	CLA	CAA-CBA-CGA-O2A
14	b6	519	CLA	CAA-CBA-CGA-O1A
14	cA	1801	CLA	CAA-CBA-CGA-O1A
14	Y	512	CLA	CAA-CBA-CGA-O2A
14	Z	511	CLA	CAA-CBA-CGA-O2A
14	b	501	CLA	CAA-CBA-CGA-O1A
14	c	511	CLA	CAA-CBA-CGA-O1A
14	e	501	CLA	CAA-CBA-CGA-O2A
14	f	516	CLA	CAA-CBA-CGA-O1A
14	h	501	CLA	CAA-CBA-CGA-O2A
14	k	507	CLA	CAA-CBA-CGA-O1A
14	m	504	CLA	CAA-CBA-CGA-O2A
14	q	512	CLA	CAA-CBA-CGA-O1A
18	cX	4021	LHG	C15-C16-C17-C18
14	a4	502	CLA	C11-C12-C13-C15
14	c2	512	CLA	O1D-CGD-O2D-CED
14	a1	518	CLA	C3-C5-C6-C7
14	b4	510	CLA	C3-C5-C6-C7
14	c2	512	CLA	CBD-CGD-O2D-CED
14	b2	516	CLA	CAA-CBA-CGA-O2A
14	b6	516	CLA	CAA-CBA-CGA-O1A
14	T	519	CLA	CAA-CBA-CGA-O2A
14	V	506	CLA	CAA-CBA-CGA-O2A
14	c	516	CLA	CAA-CBA-CGA-O1A
14	f	511	CLA	CAA-CBA-CGA-O2A
14	l	501	CLA	CAA-CBA-CGA-O2A
14	aA	1139	CLA	C4-C3-C5-C6
14	b3	518	CLA	C4-C3-C5-C6
14	cA	1132	CLA	C4-C3-C5-C6
18	bX	4021	LHG	O6-C4-C5-C6
18	cX	4021	LHG	O6-C4-C5-C6
14	bA	1117	CLA	C2-C3-C5-C6
14	cA	1117	CLA	C2-C3-C5-C6
14	cB	1219	CLA	C2-C3-C5-C6
14	Y	518	CLA	C2-C3-C5-C6
14	aB	1215	CLA	C8-C10-C11-C12
14	a3	505	CLA	C5-C6-C7-C8
14	bA	1133	CLA	CBD-CGD-O2D-CED
21	bJ	5104	LMG	O9-C10-O7-C8

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Mol	Chain	Res	Type	Atoms
14	c3	517	CLA	CAA-CBA-CGA-O2A
14	U	501	CLA	CAA-CBA-CGA-O2A
14	Z	517	CLA	CAA-CBA-CGA-O2A
14	i	511	CLA	CAA-CBA-CGA-O2A
14	k	512	CLA	CAA-CBA-CGA-O1A
14	n	501	CLA	CAA-CBA-CGA-O2A
14	p	512	CLA	CAA-CBA-CGA-O2A
14	q	511	CLA	CAA-CBA-CGA-O2A
17	aA	4008	BCR	C19-C20-C21-C22
17	W	521	BCR	C9-C10-C11-C12
14	a1	504	CLA	O1D-CGD-O2D-CED
14	aA	1123	CLA	C12-C13-C15-C16
14	aB	1203	CLA	C12-C13-C15-C16
14	aB	1210	CLA	C11-C12-C13-C15
14	aB	1223	CLA	C11-C10-C8-C7
14	a2	509	CLA	C6-C7-C8-C10
14	a4	508	CLA	C11-C10-C8-C7
14	a4	518	CLA	C6-C7-C8-C10
14	a6	510	CLA	C6-C7-C8-C10
14	bA	1119	CLA	C11-C10-C8-C7
14	bA	1119	CLA	C11-C12-C13-C15
14	bA	1133	CLA	C11-C12-C13-C15
14	bB	1225	CLA	C12-C13-C15-C16
14	b3	505	CLA	C11-C12-C13-C15
14	b3	509	CLA	C6-C7-C8-C10
14	cA	1106	CLA	C11-C12-C13-C15
14	cA	1109	CLA	C11-C12-C13-C15
14	cA	1119	CLA	C11-C10-C8-C7
14	cA	1123	CLA	C12-C13-C15-C16
14	cB	1012	CLA	C11-C12-C13-C15
14	cB	1235	CLA	C12-C13-C15-C16
14	cJ	1303	CLA	C6-C7-C8-C10
14	c4	510	CLA	C11-C10-C8-C7
14	W	503	CLA	C11-C12-C13-C15
14	o	510	CLA	C6-C7-C8-C10
15	aA	2001	PQN	C16-C17-C18-C20
20	c4	822	SQD	O49-C7-C8-C9
18	aA	5002	LHG	C30-C31-C32-C33
14	a1	502	CLA	C11-C12-C13-C15
14	bA	1137	CLA	C6-C7-C8-C9
14	bA	1115	CLA	C2A-CAA-CBA-CGA
14	bA	1138	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	cB	1231	CLA	C2A-CAA-CBA-CGA
14	p	508	CLA	C2A-CAA-CBA-CGA
14	p	518	CLA	C2A-CAA-CBA-CGA
14	a5	501	CLA	C13-C15-C16-C17
18	cA	5005	LHG	O7-C5-C6-O8
21	bJ	5104	LMG	O1-C7-C8-O7
14	c6	516	CLA	CAA-CBA-CGA-O1A
14	h	501	CLA	CAA-CBA-CGA-O1A
14	cA	1133	CLA	C10-C11-C12-C13
14	a6	518	CLA	CAA-CBA-CGA-O2A
14	Z	504	CLA	CAA-CBA-CGA-O2A
14	b4	511	CLA	CAA-CBA-CGA-O2A
14	c6	516	CLA	CAA-CBA-CGA-O2A
14	d	501	CLA	CAA-CBA-CGA-O2A
14	i	516	CLA	CAA-CBA-CGA-O2A
14	m	501	CLA	CAA-CBA-CGA-O1A
18	bA	5002	LHG	C25-C26-C27-C28
18	bA	5002	LHG	C30-C31-C32-C33
14	aB	1235	CLA	C16-C17-C18-C20
14	bB	1202	CLA	C16-C17-C18-C19
14	aA	1124	CLA	C11-C10-C8-C7
14	aB	1215	CLA	C12-C13-C15-C16
14	a2	507	CLA	C12-C13-C15-C16
14	bA	1124	CLA	C11-C10-C8-C7
14	bB	1012	CLA	C12-C13-C15-C16
14	b3	518	CLA	C11-C10-C8-C7
14	c4	518	CLA	C11-C10-C8-C7
14	Y	518	CLA	C11-C10-C8-C7
14	b1	501	CLA	C15-C16-C17-C18
17	a1	523	BCR	C7-C8-C9-C34
17	a4	521	BCR	C11-C12-C13-C35
17	cB	4010	BCR	C37-C22-C23-C24
17	V	523	BCR	C7-C8-C9-C34
17	f	523	BCR	C7-C8-C9-C34
14	b	507	CLA	CAA-CBA-CGA-O2A
14	n	516	CLA	CAA-CBA-CGA-O2A
14	aA	1106	CLA	C4-C3-C5-C6
14	a3	518	CLA	C4-C3-C5-C6
14	bA	1133	CLA	C4-C3-C5-C6
14	cA	1136	CLA	C4-C3-C5-C6
14	bK	1401	CLA	CBD-CGD-O2D-CED
14	b5	504	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	c2	518	CLA	CAA-CBA-CGA-O1A
14	X	505	CLA	C15-C16-C17-C18
14	aA	1132	CLA	C2-C3-C5-C6
14	a5	503	CLA	C2-C3-C5-C6
14	bB	1021	CLA	C2-C3-C5-C6
14	U	510	CLA	C2-C3-C5-C6
14	bB	1023	CLA	C2C-C3C-CAC-CBC
20	c3	822	SQD	O10-C23-O48-C46
14	bA	1117	CLA	O1D-CGD-O2D-CED
14	c5	513	CLA	O1D-CGD-O2D-CED
14	b2	510	CLA	C2-C1-O2A-CGA
14	Z	519	CLA	CBD-CGD-O2D-CED
14	cA	1140	CLA	C5-C6-C7-C8
14	a4	517	CLA	CAA-CBA-CGA-O2A
14	a6	517	CLA	CAA-CBA-CGA-O2A
14	bA	1801	CLA	CAA-CBA-CGA-O2A
14	f	516	CLA	CAA-CBA-CGA-O2A
14	o	517	CLA	CAA-CBA-CGA-O2A
14	q	517	CLA	CAA-CBA-CGA-O2A
14	a6	505	CLA	C16-C17-C18-C20
14	b3	502	CLA	C5-C6-C7-C8
14	cA	1117	CLA	O1D-CGD-O2D-CED
21	bJ	5104	LMG	C28-C29-C30-C31
14	cA	1128	CLA	O1A-CGA-O2A-C1
14	c5	508	CLA	O1A-CGA-O2A-C1
14	cA	1106	CLA	C3-C5-C6-C7
14	aA	1138	CLA	C2A-CAA-CBA-CGA
14	a1	517	CLA	C2A-CAA-CBA-CGA
14	bA	1135	CLA	C2A-CAA-CBA-CGA
14	b2	516	CLA	CAA-CBA-CGA-O1A
14	c3	519	CLA	CAA-CBA-CGA-O2A
14	c5	506	CLA	CAA-CBA-CGA-O2A
14	c6	517	CLA	CAA-CBA-CGA-O1A
14	c6	517	CLA	CAA-CBA-CGA-O2A
14	b	501	CLA	CAA-CBA-CGA-O2A
14	j	504	CLA	CAA-CBA-CGA-O2A
14	p	511	CLA	CAA-CBA-CGA-O2A
14	p	512	CLA	CAA-CBA-CGA-O1A
14	aA	1022	CLA	C11-C10-C8-C9
14	aB	1229	CLA	C11-C10-C8-C9
14	a2	509	CLA	C11-C10-C8-C9
14	bA	1123	CLA	C14-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	bA	1237	CLA	C6-C7-C8-C9
14	Y	503	CLA	C14-C13-C15-C16
14	a	501	CLA	C11-C10-C8-C9
14	bB	1238	CLA	C8-C10-C11-C12
18	aA	5002	LHG	C31-C32-C33-C34
20	b3	822	SQD	C25-C26-C27-C28
17	bJ	4013	BCR	C15-C16-C17-C18
17	b5	522	BCR	C9-C10-C11-C12
17	c1	521	BCR	C9-C10-C11-C12
14	a5	505	CLA	C15-C16-C17-C18
14	bB	1214	CLA	C15-C16-C17-C18
14	a2	503	CLA	C16-C17-C18-C20
20	b4	822	SQD	C24-C25-C26-C27
14	k	512	CLA	CAA-CBA-CGA-O2A
14	m	504	CLA	CAA-CBA-CGA-O1A
14	m	519	CLA	CAA-CBA-CGA-O2A
14	n	511	CLA	CAA-CBA-CGA-O2A
14	n	517	CLA	CAA-CBA-CGA-O1A
14	a	518	CLA	CAA-CBA-CGA-O1A
20	g	822	SQD	O49-C7-C8-C9
14	aA	1127	CLA	C5-C6-C7-C8
14	a2	502	CLA	C4-C3-C5-C6
15	bA	2001	PQN	C23-C25-C26-C27
14	b2	506	CLA	CAA-CBA-CGA-O2A
14	c1	517	CLA	CAA-CBA-CGA-O2A
14	b	507	CLA	CAA-CBA-CGA-O1A
14	c	511	CLA	CAA-CBA-CGA-O2A
14	n	517	CLA	CAA-CBA-CGA-O2A
14	aA	1121	CLA	C2-C3-C5-C6
14	bA	1022	CLA	C2-C3-C5-C6
14	c4	503	CLA	C2-C3-C5-C6
14	S	510	CLA	C2-C3-C5-C6
14	c	510	CLA	C2-C3-C5-C6
14	c5	513	CLA	O1A-CGA-O2A-C1
20	Z	822	SQD	O10-C23-O48-C46
14	b4	518	CLA	CBA-CGA-O2A-C1
14	aA	1801	CLA	CAA-CBA-CGA-O1A
14	a6	516	CLA	CAA-CBA-CGA-O1A
14	b4	506	CLA	CAA-CBA-CGA-O2A
14	c6	504	CLA	CAA-CBA-CGA-O2A
14	W	512	CLA	CAA-CBA-CGA-O2A
14	c	507	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	d	506	CLA	CAA-CBA-CGA-O2A
14	e	512	CLA	CAA-CBA-CGA-O2A
14	g	506	CLA	CAA-CBA-CGA-O2A
14	i	516	CLA	CAA-CBA-CGA-O1A
14	k	518	CLA	CAA-CBA-CGA-O2A
14	n	510	CLA	CAA-CBA-CGA-O2A
14	o	511	CLA	CAA-CBA-CGA-O2A
14	o	512	CLA	CAA-CBA-CGA-O2A
14	aB	1207	CLA	C10-C11-C12-C13
14	b5	505	CLA	C13-C15-C16-C17
14	T	509	CLA	C5-C6-C7-C8
18	bA	5002	LHG	C11-C12-C13-C14
18	cA	5005	LHG	C4-C5-C6-O8
20	b6	822	SQD	O6-C44-C45-C46
20	T	822	SQD	C44-C45-C46-O48
20	X	822	SQD	O6-C44-C45-C46
20	Z	822	SQD	O6-C44-C45-C46
20	f	822	SQD	C44-C45-C46-O48
21	c1	5104	LMG	O1-C7-C8-C9
14	a4	512	CLA	CAA-CBA-CGA-O2A
14	a5	517	CLA	CAA-CBA-CGA-O2A
14	c4	511	CLA	CAA-CBA-CGA-O2A
14	T	519	CLA	CAA-CBA-CGA-O1A
14	U	506	CLA	CAA-CBA-CGA-O2A
14	X	508	CLA	CAA-CBA-CGA-O2A
14	Y	519	CLA	CAA-CBA-CGA-O2A
14	a	506	CLA	CAA-CBA-CGA-O2A
14	d	517	CLA	CAA-CBA-CGA-O2A
14	g	517	CLA	CAA-CBA-CGA-O2A
14	q	516	CLA	CAA-CBA-CGA-O2A
14	b4	518	CLA	O1A-CGA-O2A-C1
14	b5	507	CLA	O1A-CGA-O2A-C1
14	h	518	CLA	O1A-CGA-O2A-C1
14	a4	518	CLA	C2A-CAA-CBA-CGA
14	bX	1401	CLA	C2A-CAA-CBA-CGA
14	cA	1138	CLA	C2A-CAA-CBA-CGA
14	cX	1401	CLA	C2A-CAA-CBA-CGA
14	c3	501	CLA	C2A-CAA-CBA-CGA
14	V	513	CLA	C2A-CAA-CBA-CGA
14	Y	519	CLA	C2A-CAA-CBA-CGA
14	Z	512	CLA	C2A-CAA-CBA-CGA
14	a	501	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	d	510	CLA	C2A-CAA-CBA-CGA
14	i	505	CLA	C2A-CAA-CBA-CGA
14	l	512	CLA	C2A-CAA-CBA-CGA
14	c	505	CLA	C13-C15-C16-C17
14	bB	1221	CLA	C11-C12-C13-C14
14	bB	1234	CLA	C11-C12-C13-C15
14	cK	1401	CLA	C6-C7-C8-C10
20	cB	1852	SQD	C29-C30-C31-C32
14	aA	1116	CLA	CAA-CBA-CGA-O2A
14	aA	1114	CLA	CAA-CBA-CGA-O2A
14	a1	519	CLA	CAA-CBA-CGA-O2A
14	a2	513	CLA	CAA-CBA-CGA-O2A
14	b4	516	CLA	CAA-CBA-CGA-O2A
14	cB	1233	CLA	CAA-CBA-CGA-O2A
14	T	506	CLA	CAA-CBA-CGA-O2A
14	U	517	CLA	CAA-CBA-CGA-O2A
14	Y	517	CLA	CAA-CBA-CGA-O2A
14	Z	508	CLA	CAA-CBA-CGA-O2A
14	a	512	CLA	CAA-CBA-CGA-O2A
14	a	517	CLA	CAA-CBA-CGA-O2A
14	b	508	CLA	CAA-CBA-CGA-O2A
14	e	504	CLA	CAA-CBA-CGA-O2A
14	f	507	CLA	CAA-CBA-CGA-O2A
14	f	510	CLA	CAA-CBA-CGA-O2A
14	h	512	CLA	CAA-CBA-CGA-O2A
14	i	519	CLA	CAA-CBA-CGA-O2A
14	m	503	CLA	CAA-CBA-CGA-O2A
14	n	507	CLA	CAA-CBA-CGA-O2A
14	bA	1133	CLA	O1D-CGD-O2D-CED
18	aA	5005	LHG	C7-C8-C9-C10
20	c4	822	SQD	C23-C24-C25-C26
14	Z	519	CLA	O1D-CGD-O2D-CED
14	aA	1237	CLA	C5-C6-C7-C8
14	bA	1011	CLA	C8-C10-C11-C12
14	c5	513	CLA	CBA-CGA-O2A-C1
14	a4	501	CLA	C4-C3-C5-C6
14	bA	1106	CLA	C4-C3-C5-C6
14	Z	503	CLA	C4-C3-C5-C6
17	a2	522	BCR	C13-C14-C15-C16
17	a6	521	BCR	C9-C10-C11-C12
14	b2	517	CLA	CAA-CBA-CGA-O2A
14	b3	517	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	cA	1114	CLA	CAA-CBA-CGA-O2A
14	c4	517	CLA	CAA-CBA-CGA-O2A
14	c6	519	CLA	CAA-CBA-CGA-O2A
14	S	501	CLA	CAA-CBA-CGA-O2A
14	X	519	CLA	CAA-CBA-CGA-O2A
14	Z	506	CLA	CAA-CBA-CGA-O2A
14	a	508	CLA	CAA-CBA-CGA-O2A
14	f	513	CLA	CAA-CBA-CGA-O2A
14	g	510	CLA	CAA-CBA-CGA-O2A
14	g	516	CLA	CAA-CBA-CGA-O2A
14	i	501	CLA	CAA-CBA-CGA-O2A
14	l	506	CLA	CAA-CBA-CGA-O2A
14	m	510	CLA	CAA-CBA-CGA-O2A
14	n	519	CLA	CAA-CBA-CGA-O2A
14	p	507	CLA	CAA-CBA-CGA-O2A
14	q	519	CLA	CAA-CBA-CGA-O2A
14	m	512	CLA	C2C-C3C-CAC-CBC
14	b6	518	CLA	CAA-CBA-CGA-O1A
20	b4	822	SQD	O47-C7-C8-C9
14	c	505	CLA	C16-C17-C18-C19
14	c1	509	CLA	C15-C16-C17-C18
14	c3	504	CLA	C5-C6-C7-C8
14	aA	1011	CLA	C4B-C3B-CAB-CBB
14	aB	1227	CLA	C4B-C3B-CAB-CBB
14	a2	518	CLA	C4B-C3B-CAB-CBB
14	a4	503	CLA	C4B-C3B-CAB-CBB
14	bA	1122	CLA	C4B-C3B-CAB-CBB
14	bB	1206	CLA	C4B-C3B-CAB-CBB
14	b1	502	CLA	C4B-C3B-CAB-CBB
14	b1	519	CLA	C4B-C3B-CAB-CBB
14	b3	518	CLA	C4B-C3B-CAB-CBB
14	b4	502	CLA	C4B-C3B-CAB-CBB
14	cA	1011	CLA	C4B-C3B-CAB-CBB
14	cA	1122	CLA	C4B-C3B-CAB-CBB
14	cA	1129	CLA	C4B-C3B-CAB-CBB
14	c3	518	CLA	C4B-C3B-CAB-CBB
14	c4	502	CLA	C4B-C3B-CAB-CBB
14	c4	518	CLA	C4B-C3B-CAB-CBB
14	c5	502	CLA	C4B-C3B-CAB-CBB
14	U	516	CLA	C4B-C3B-CAB-CBB
14	W	502	CLA	C4B-C3B-CAB-CBB
14	Y	512	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	i	503	CLA	C4B-C3B-CAB-CBB
14	k	509	CLA	C4B-C3B-CAB-CBB
14	n	518	CLA	C4B-C3B-CAB-CBB
14	c5	505	CLA	C15-C16-C17-C18
14	X	510	CLA	O1A-CGA-O2A-C1
14	a1	517	CLA	CAA-CBA-CGA-O2A
14	b4	511	CLA	CAA-CBA-CGA-O1A
14	T	507	CLA	CAA-CBA-CGA-O2A
14	U	507	CLA	CAA-CBA-CGA-O2A
14	c	516	CLA	CAA-CBA-CGA-O2A
14	c	519	CLA	CAA-CBA-CGA-O2A
14	d	507	CLA	CAA-CBA-CGA-O2A
14	e	516	CLA	CAA-CBA-CGA-O2A
14	h	511	CLA	CAA-CBA-CGA-O2A
14	i	507	CLA	CAA-CBA-CGA-O2A
14	n	512	CLA	CAA-CBA-CGA-O2A
14	n	516	CLA	CAA-CBA-CGA-O1A
14	W	516	CLA	O1D-CGD-O2D-CED
14	aA	1102	CLA	O1A-CGA-O2A-C1
14	a4	517	CLA	CAA-CBA-CGA-O1A
14	c4	512	CLA	CAA-CBA-CGA-O2A
14	X	517	CLA	CAA-CBA-CGA-O2A
14	c	512	CLA	CAA-CBA-CGA-O1A
14	p	511	CLA	CAA-CBA-CGA-O1A
14	aB	1023	CLA	C13-C15-C16-C17
14	a6	509	CLA	O1D-CGD-O2D-CED
18	aX	4021	LHG	C1-C2-C3-O3
14	b3	509	CLA	C15-C16-C17-C18
14	aB	1233	CLA	CAA-CBA-CGA-O2A
14	a1	517	CLA	CAA-CBA-CGA-O1A
14	b1	506	CLA	CAA-CBA-CGA-O2A
14	c3	519	CLA	CAA-CBA-CGA-O1A
14	e	511	CLA	CAA-CBA-CGA-O2A
14	g	512	CLA	CAA-CBA-CGA-O2A
14	j	504	CLA	CAA-CBA-CGA-O1A
14	j	507	CLA	CAA-CBA-CGA-O1A
14	l	510	CLA	CAA-CBA-CGA-O2A
14	m	519	CLA	CAA-CBA-CGA-O1A
14	o	517	CLA	CAA-CBA-CGA-O1A
14	bB	1206	CLA	CAA-CBA-CGA-O1A
20	W	822	SQD	C11-C10-C9-C8
14	a6	502	CLA	C11-C12-C13-C15

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Mol	Chain	Res	Type	Atoms
14	cA	1140	CLA	C4-C3-C5-C6
14	aA	1140	CLA	C13-C15-C16-C17
14	a5	502	CLA	C8-C10-C11-C12
14	bA	1120	CLA	C5-C6-C7-C8
14	b2	508	CLA	C5-C6-C7-C8
14	a6	512	CLA	CAA-CBA-CGA-O2A
14	bA	1114	CLA	CAA-CBA-CGA-O2A
14	cB	1232	CLA	CAA-CBA-CGA-O2A
14	cK	1103	CLA	CAA-CBA-CGA-O2A
14	c5	506	CLA	CAA-CBA-CGA-O1A
14	c6	511	CLA	CAA-CBA-CGA-O2A
14	T	508	CLA	CAA-CBA-CGA-O2A
14	U	513	CLA	CAA-CBA-CGA-O2A
14	b	506	CLA	CAA-CBA-CGA-O2A
14	g	507	CLA	CAA-CBA-CGA-O2A
14	i	504	CLA	CAA-CBA-CGA-O2A
14	l	511	CLA	CAA-CBA-CGA-O2A
14	p	504	CLA	CAA-CBA-CGA-O2A
14	cA	1136	CLA	C2-C3-C5-C6
14	h	518	CLA	CBA-CGA-O2A-C1
14	aA	1106	CLA	C6-C7-C8-C10
14	bA	1126	CLA	C12-C13-C15-C16
14	bA	1237	CLA	C6-C7-C8-C10
14	bB	1235	CLA	C11-C12-C13-C15
14	b1	501	CLA	C11-C10-C8-C7
14	b5	509	CLA	C11-C10-C8-C7
14	b6	503	CLA	C11-C10-C8-C7
14	cA	1022	CLA	C12-C13-C15-C16
14	c1	510	CLA	C6-C7-C8-C10
14	aA	1104	CLA	O1D-CGD-O2D-CED
14	a6	511	CLA	CAA-CBA-CGA-O2A
14	a6	517	CLA	CAA-CBA-CGA-O1A
14	Z	512	CLA	CAA-CBA-CGA-O2A
14	b	516	CLA	CAA-CBA-CGA-O2A
14	e	506	CLA	CAA-CBA-CGA-O1A
14	k	510	CLA	CAA-CBA-CGA-O2A
14	m	516	CLA	CAA-CBA-CGA-O2A
21	b2	5104	LMG	C33-C34-C35-C36
14	aA	1136	CLA	C13-C15-C16-C17
14	b3	511	CLA	C10-C11-C12-C13
17	a1	522	BCR	C9-C10-C11-C12
17	cB	4004	BCR	C19-C20-C21-C22

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Mol	Chain	Res	Type	Atoms
17	c6	522	BCR	C9-C10-C11-C12
17	c6	521	BCR	C9-C10-C11-C12
17	S	521	BCR	C9-C10-C11-C12
14	aK	1401	CLA	C6-C7-C8-C10
14	bK	1401	CLA	O1D-CGD-O2D-CED
14	c3	504	CLA	O1D-CGD-O2D-CED
20	b6	822	SQD	C7-C8-C9-C10
14	bA	1801	CLA	CAA-CBA-CGA-O1A
14	b3	517	CLA	CAA-CBA-CGA-O1A
14	b4	512	CLA	CAA-CBA-CGA-O2A
14	V	512	CLA	CAA-CBA-CGA-O2A
14	W	519	CLA	CAA-CBA-CGA-O2A
14	X	517	CLA	CAA-CBA-CGA-O1A
14	c	512	CLA	CAA-CBA-CGA-O2A
14	d	511	CLA	CAA-CBA-CGA-O2A
14	j	507	CLA	CAA-CBA-CGA-O2A
14	k	518	CLA	CAA-CBA-CGA-O1A
14	k	519	CLA	CAA-CBA-CGA-O2A
17	a4	522	BCR	C7-C8-C9-C10
17	bF	4014	BCR	C7-C8-C9-C10
14	aA	1117	CLA	C14-C13-C15-C16
14	aA	1126	CLA	C11-C12-C13-C14
14	aB	1012	CLA	C14-C13-C15-C16
14	aB	1229	CLA	C6-C7-C8-C9
14	aB	1239	CLA	C14-C13-C15-C16
14	a1	509	CLA	C6-C7-C8-C9
14	a2	509	CLA	C11-C12-C13-C14
14	a5	509	CLA	C14-C13-C15-C16
14	bA	1109	CLA	C11-C10-C8-C9
14	b3	509	CLA	C14-C13-C15-C16
14	b4	509	CLA	C11-C10-C8-C9
14	cA	1109	CLA	C11-C10-C8-C9
14	cB	1213	CLA	C6-C7-C8-C9
14	cB	1229	CLA	C6-C7-C8-C9
14	cB	1229	CLA	C11-C10-C8-C9
14	c6	503	CLA	C11-C10-C8-C9
14	T	502	CLA	C6-C7-C8-C9
14	V	509	CLA	C14-C13-C15-C16
14	Y	507	CLA	C11-C10-C8-C9
14	Z	503	CLA	C11-C10-C8-C9
14	c	505	CLA	C11-C10-C8-C9
14	c	510	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
14	d	510	CLA	C6-C7-C8-C9
14	a6	509	CLA	CBD-CGD-O2D-CED
20	c5	822	SQD	C5-C6-S-O8
21	aJ	5104	LMG	C8-C7-O1-C1
19	aB	1843	LMU	C1-C2-C3-C4
19	aA	1848	LMU	C3-C4-C5-C6
14	a2	517	CLA	CAA-CBA-CGA-O2A
14	bB	1233	CLA	CAA-CBA-CGA-O2A
14	a	510	CLA	CAA-CBA-CGA-O2A
14	g	510	CLA	CAA-CBA-CGA-O1A
14	h	517	CLA	CAA-CBA-CGA-O2A
14	i	517	CLA	CAA-CBA-CGA-O2A
14	j	501	CLA	CAA-CBA-CGA-O2A
14	m	503	CLA	CAA-CBA-CGA-O1A
14	m	507	CLA	CAA-CBA-CGA-O2A
14	m	509	CLA	CAA-CBA-CGA-O2A
14	o	507	CLA	CAA-CBA-CGA-O2A
14	q	504	CLA	CAA-CBA-CGA-O2A
14	q	519	CLA	CAA-CBA-CGA-O1A
14	c5	505	CLA	C13-C15-C16-C17
14	aA	1115	CLA	C2A-CAA-CBA-CGA
14	aB	1231	CLA	C2A-CAA-CBA-CGA
14	aX	1401	CLA	C2A-CAA-CBA-CGA
14	a3	505	CLA	C2A-CAA-CBA-CGA
14	a3	516	CLA	C2A-CAA-CBA-CGA
14	a5	511	CLA	C2A-CAA-CBA-CGA
14	cA	1115	CLA	C2A-CAA-CBA-CGA
14	c4	504	CLA	C2A-CAA-CBA-CGA
14	c	511	CLA	C2A-CAA-CBA-CGA
14	h	501	CLA	C2A-CAA-CBA-CGA
14	j	511	CLA	C2A-CAA-CBA-CGA
14	q	508	CLA	C2A-CAA-CBA-CGA
14	a3	503	CLA	C2-C1-O2A-CGA
14	bL	1502	CLA	C2-C1-O2A-CGA
14	b3	504	CLA	C2-C1-O2A-CGA
14	b4	502	CLA	C2-C1-O2A-CGA
14	b6	513	CLA	C2-C1-O2A-CGA
14	cB	1206	CLA	C2-C1-O2A-CGA
14	c4	503	CLA	C2-C1-O2A-CGA
14	T	502	CLA	C2-C1-O2A-CGA
14	X	510	CLA	C2-C1-O2A-CGA
14	d	505	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
14	cB	1225	CLA	O1A-CGA-O2A-C1
14	bA	1136	CLA	C3-C5-C6-C7
14	cB	1235	CLA	C16-C17-C18-C20
14	aB	1213	CLA	C13-C15-C16-C17
14	aA	1134	CLA	C3A-C2A-CAA-CBA
14	aB	1234	CLA	C4-C3-C5-C6
14	a6	509	CLA	C3A-C2A-CAA-CBA
14	bA	1112	CLA	C3A-C2A-CAA-CBA
14	bA	1134	CLA	C3A-C2A-CAA-CBA
14	bA	1136	CLA	C4-C3-C5-C6
14	bB	1208	CLA	C4-C3-C5-C6
14	b2	512	CLA	C3A-C2A-CAA-CBA
14	cA	1113	CLA	C3A-C2A-CAA-CBA
14	cB	1201	CLA	C3A-C2A-CAA-CBA
14	cB	1218	CLA	C4-C3-C5-C6
14	c2	516	CLA	C3A-C2A-CAA-CBA
14	c5	507	CLA	C3A-C2A-CAA-CBA
14	c6	512	CLA	C3A-C2A-CAA-CBA
14	W	511	CLA	C3A-C2A-CAA-CBA
14	d	506	CLA	C3A-C2A-CAA-CBA
14	i	509	CLA	C3A-C2A-CAA-CBA
14	k	517	CLA	C3A-C2A-CAA-CBA
14	l	513	CLA	C3A-C2A-CAA-CBA
14	m	505	CLA	C3A-C2A-CAA-CBA
14	o	516	CLA	C3A-C2A-CAA-CBA
14	q	507	CLA	C3A-C2A-CAA-CBA
14	q	509	CLA	C3A-C2A-CAA-CBA
14	q	511	CLA	C3A-C2A-CAA-CBA
14	a4	511	CLA	CAA-CBA-CGA-O2A
14	b1	517	CLA	CAA-CBA-CGA-O2A
14	b1	519	CLA	CAA-CBA-CGA-O2A
14	b6	512	CLA	CAA-CBA-CGA-O2A
14	Z	508	CLA	CAA-CBA-CGA-O1A
14	d	517	CLA	CAA-CBA-CGA-O1A
14	e	506	CLA	CAA-CBA-CGA-O2A
14	f	513	CLA	CAA-CBA-CGA-O1A
14	l	510	CLA	CAA-CBA-CGA-O1A
14	n	512	CLA	CAA-CBA-CGA-O1A
18	cX	4021	LHG	C24-C25-C26-C27
14	cA	1116	CLA	CAA-CBA-CGA-O2A
14	b	512	CLA	O1A-CGA-O2A-C1
14	c5	505	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	o	503	CLA	C5-C6-C7-C8
14	a1	518	CLA	CAA-CBA-CGA-O1A
14	a6	519	CLA	CAA-CBA-CGA-O2A
14	b4	506	CLA	CAA-CBA-CGA-O1A
14	cB	1233	CLA	CAA-CBA-CGA-O1A
14	c4	512	CLA	CAA-CBA-CGA-O1A
14	T	504	CLA	CAA-CBA-CGA-O2A
14	b	519	CLA	CAA-CBA-CGA-O2A
14	d	501	CLA	CAA-CBA-CGA-O1A
14	h	512	CLA	CAA-CBA-CGA-O1A
14	n	511	CLA	CAA-CBA-CGA-O1A
14	q	517	CLA	CAA-CBA-CGA-O1A
14	cB	1021	CLA	C16-C17-C18-C20
14	V	502	CLA	C11-C12-C13-C15
14	b1	513	CLA	O1D-CGD-O2D-CED
14	cB	1225	CLA	CBA-CGA-O2A-C1
14	X	510	CLA	CBA-CGA-O2A-C1
14	c5	505	CLA	O1D-CGD-O2D-CED
20	cB	1852	SQD	C26-C27-C28-C29
14	cB	1224	CLA	CAA-CBA-CGA-O1A
14	aA	1104	CLA	CBD-CGD-O2D-CED
14	a2	513	CLA	CAA-CBA-CGA-O1A
14	a5	517	CLA	CAA-CBA-CGA-O1A
14	b1	516	CLA	CAA-CBA-CGA-O2A
14	b6	506	CLA	CAA-CBA-CGA-O2A
14	c1	517	CLA	CAA-CBA-CGA-O1A
14	c1	519	CLA	CAA-CBA-CGA-O2A
14	c2	506	CLA	CAA-CBA-CGA-O2A
14	c6	504	CLA	CAA-CBA-CGA-O1A
14	S	512	CLA	CAA-CBA-CGA-O2A
14	W	511	CLA	CAA-CBA-CGA-O2A
14	W	512	CLA	CAA-CBA-CGA-O1A
14	a	504	CLA	CAA-CBA-CGA-O2A
14	a	519	CLA	CAA-CBA-CGA-O2A
14	d	512	CLA	CAA-CBA-CGA-O2A
14	e	516	CLA	CAA-CBA-CGA-O1A
14	e	519	CLA	CAA-CBA-CGA-O2A
14	f	510	CLA	CAA-CBA-CGA-O1A
14	i	506	CLA	CAA-CBA-CGA-O2A
14	i	512	CLA	CAA-CBA-CGA-O2A
14	l	509	CLA	CAA-CBA-CGA-O2A
14	p	507	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
14	p	517	CLA	CAA-CBA-CGA-O2A
14	q	516	CLA	CAA-CBA-CGA-O1A
20	p	822	SQD	O47-C7-C8-C9
14	a2	505	CLA	C15-C16-C17-C18
14	bB	1223	CLA	C13-C15-C16-C17
17	n	521	BCR	C9-C10-C11-C12
18	cA	5001	LHG	C25-C26-C27-C28
14	aA	1107	CLA	C6-C7-C8-C10
14	aA	1114	CLA	CAA-CBA-CGA-O1A
14	aB	1232	CLA	CAA-CBA-CGA-O2A
14	aB	1233	CLA	CAA-CBA-CGA-O1A
14	a4	512	CLA	CAA-CBA-CGA-O1A
14	bB	1232	CLA	CAA-CBA-CGA-O2A
14	b2	506	CLA	CAA-CBA-CGA-O1A
14	b2	517	CLA	CAA-CBA-CGA-O1A
14	b4	516	CLA	CAA-CBA-CGA-O1A
14	c4	517	CLA	CAA-CBA-CGA-O1A
14	c6	512	CLA	CAA-CBA-CGA-O2A
14	S	501	CLA	CAA-CBA-CGA-O1A
14	T	508	CLA	CAA-CBA-CGA-O1A
14	T	517	CLA	CAA-CBA-CGA-O2A
14	U	506	CLA	CAA-CBA-CGA-O1A
14	U	507	CLA	CAA-CBA-CGA-O1A
14	X	508	CLA	CAA-CBA-CGA-O1A
14	X	519	CLA	CAA-CBA-CGA-O1A
14	Y	517	CLA	CAA-CBA-CGA-O1A
14	Z	506	CLA	CAA-CBA-CGA-O1A
14	b	508	CLA	CAA-CBA-CGA-O1A
14	e	504	CLA	CAA-CBA-CGA-O1A
14	g	506	CLA	CAA-CBA-CGA-O1A
14	g	513	CLA	CAA-CBA-CGA-O2A
14	g	516	CLA	CAA-CBA-CGA-O1A
14	h	507	CLA	CAA-CBA-CGA-O2A
14	h	508	CLA	CAA-CBA-CGA-O2A
14	i	507	CLA	CAA-CBA-CGA-O1A
14	j	506	CLA	CAA-CBA-CGA-O2A
14	m	510	CLA	CAA-CBA-CGA-O1A
14	m	512	CLA	CAA-CBA-CGA-O2A
14	n	507	CLA	CAA-CBA-CGA-O1A
14	n	510	CLA	CAA-CBA-CGA-O1A
14	o	512	CLA	CAA-CBA-CGA-O1A
14	b2	506	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	q	510	CLA	C2A-CAA-CBA-CGA
14	bA	1140	CLA	C4-C3-C5-C6
14	bA	1011	CLA	CAA-CBA-CGA-O1A
14	aK	1103	CLA	CAA-CBA-CGA-O2A
14	a6	519	CLA	CAA-CBA-CGA-O1A
14	bA	1114	CLA	CAA-CBA-CGA-O1A
14	c4	504	CLA	CAA-CBA-CGA-O2A
14	S	516	CLA	CAA-CBA-CGA-O2A
14	T	506	CLA	CAA-CBA-CGA-O1A
14	U	517	CLA	CAA-CBA-CGA-O1A
14	V	507	CLA	CAA-CBA-CGA-O2A
14	Z	512	CLA	CAA-CBA-CGA-O1A
14	a	507	CLA	CAA-CBA-CGA-O2A
14	a	517	CLA	CAA-CBA-CGA-O1A
14	b	517	CLA	CAA-CBA-CGA-O2A
14	c	507	CLA	CAA-CBA-CGA-O1A
14	c	519	CLA	CAA-CBA-CGA-O1A
14	d	511	CLA	CAA-CBA-CGA-O1A
14	h	517	CLA	CAA-CBA-CGA-O1A
14	i	517	CLA	CAA-CBA-CGA-O1A
14	l	506	CLA	CAA-CBA-CGA-O1A
14	n	519	CLA	CAA-CBA-CGA-O1A
14	o	506	CLA	CAA-CBA-CGA-O2A
14	p	504	CLA	CAA-CBA-CGA-O1A
14	q	507	CLA	CAA-CBA-CGA-O2A
14	cA	1119	CLA	C2-C3-C5-C6
14	aA	1102	CLA	CBA-CGA-O2A-C1
14	cB	1235	CLA	CBA-CGA-O2A-C1
14	aB	1214	CLA	C15-C16-C17-C18
14	a1	507	CLA	C5-C6-C7-C8
14	a4	509	CLA	C8-C10-C11-C12
14	a1	519	CLA	CAA-CBA-CGA-O1A
14	a6	512	CLA	CAA-CBA-CGA-O1A
14	a6	516	CLA	CAA-CBA-CGA-O2A
14	b1	517	CLA	CAA-CBA-CGA-O1A
14	b6	512	CLA	CAA-CBA-CGA-O1A
14	cA	1114	CLA	CAA-CBA-CGA-O1A
14	c4	511	CLA	CAA-CBA-CGA-O1A
14	W	506	CLA	CAA-CBA-CGA-O2A
14	W	516	CLA	CAA-CBA-CGA-O1A
14	W	516	CLA	CAA-CBA-CGA-O2A
14	Y	519	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
14	a	506	CLA	CAA-CBA-CGA-O1A
14	a	507	CLA	CAA-CBA-CGA-O1A
14	a	508	CLA	CAA-CBA-CGA-O1A
14	a	512	CLA	CAA-CBA-CGA-O1A
14	d	507	CLA	CAA-CBA-CGA-O1A
14	f	507	CLA	CAA-CBA-CGA-O1A
14	g	507	CLA	CAA-CBA-CGA-O1A
14	g	517	CLA	CAA-CBA-CGA-O1A
14	h	511	CLA	CAA-CBA-CGA-O1A
14	i	501	CLA	CAA-CBA-CGA-O1A
14	i	519	CLA	CAA-CBA-CGA-O1A
14	k	510	CLA	CAA-CBA-CGA-O1A
14	m	507	CLA	CAA-CBA-CGA-O1A
14	aA	1124	CLA	C3-C5-C6-C7
14	c3	504	CLA	CBD-CGD-O2D-CED
14	c5	505	CLA	CBD-CGD-O2D-CED
14	cA	1103	CLA	O1D-CGD-O2D-CED
14	c3	503	CLA	C15-C16-C17-C18
21	aB	5002	LMG	O6-C1-O1-C7
14	aA	1022	CLA	C5-C6-C7-C8
14	aA	1131	CLA	C13-C15-C16-C17
14	a1	509	CLA	C15-C16-C17-C18
14	aA	1128	CLA	CBA-CGA-O2A-C1
14	T	513	CLA	CBA-CGA-O2A-C1
14	bB	1233	CLA	CAA-CBA-CGA-O1A
14	cK	1103	CLA	CAA-CBA-CGA-O1A
14	U	519	CLA	CAA-CBA-CGA-O2A
14	W	519	CLA	CAA-CBA-CGA-O1A
14	b	519	CLA	CAA-CBA-CGA-O1A
14	d	506	CLA	CAA-CBA-CGA-O1A
14	d	519	CLA	CAA-CBA-CGA-O2A
14	e	512	CLA	CAA-CBA-CGA-O1A
14	o	507	CLA	CAA-CBA-CGA-O1A
14	o	511	CLA	CAA-CBA-CGA-O1A
18	bA	5002	LHG	C4-C5-C6-O8
18	cA	5002	LHG	C4-C5-C6-O8
14	a4	518	CLA	O1A-CGA-O2A-C1
15	aA	2001	PQN	C23-C25-C26-C27
14	c5	502	CLA	C3-C5-C6-C7
14	X	503	CLA	C15-C16-C17-C18
14	cA	1011	CLA	CAA-CBA-CGA-O1A
14	cB	1206	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
20	a2	822	SQD	O49-C7-C8-C9
20	S	822	SQD	O49-C7-C8-C9
14	a6	511	CLA	CAA-CBA-CGA-O1A
14	b6	506	CLA	CAA-CBA-CGA-O1A
14	T	507	CLA	CAA-CBA-CGA-O1A
14	V	516	CLA	CAA-CBA-CGA-O1A
14	j	501	CLA	CAA-CBA-CGA-O1A
14	k	519	CLA	CAA-CBA-CGA-O1A
14	l	516	CLA	CAA-CBA-CGA-O2A
14	q	504	CLA	CAA-CBA-CGA-O1A
18	aA	5002	LHG	C29-C30-C31-C32
18	cA	5003	LHG	C15-C16-C17-C18
21	aB	5002	LMG	C36-C37-C38-C39
14	c3	508	CLA	C4-C3-C5-C6
14	c3	518	CLA	C4-C3-C5-C6
14	W	516	CLA	C2A-CAA-CBA-CGA
14	l	513	CLA	C2A-CAA-CBA-CGA
14	aA	1011	CLA	CAA-CBA-CGA-O1A
14	aB	1210	CLA	CAA-CBA-CGA-O2A
14	a4	511	CLA	CAA-CBA-CGA-O1A
14	b1	516	CLA	CAA-CBA-CGA-O1A
14	b1	519	CLA	CAA-CBA-CGA-O1A
14	S	512	CLA	CAA-CBA-CGA-O1A
14	V	507	CLA	CAA-CBA-CGA-O1A
14	a	504	CLA	CAA-CBA-CGA-O1A
14	d	512	CLA	CAA-CBA-CGA-O1A
14	e	519	CLA	CAA-CBA-CGA-O1A
14	g	513	CLA	CAA-CBA-CGA-O1A
14	i	506	CLA	CAA-CBA-CGA-O1A
14	l	509	CLA	CAA-CBA-CGA-O1A
14	m	512	CLA	CAA-CBA-CGA-O1A
17	aB	4004	BCR	C19-C20-C21-C22
17	bM	4021	BCR	C19-C20-C21-C22
17	c2	521	BCR	C9-C10-C11-C12
17	U	521	BCR	C9-C10-C11-C12
14	bB	1229	CLA	C13-C15-C16-C17
14	b1	513	CLA	CBD-CGD-O2D-CED
14	cA	1103	CLA	CBD-CGD-O2D-CED
14	a2	517	CLA	CAA-CBA-CGA-O1A
14	S	516	CLA	CAA-CBA-CGA-O1A
14	T	504	CLA	CAA-CBA-CGA-O1A
14	V	512	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
14	h	507	CLA	CAA-CBA-CGA-O1A
14	i	512	CLA	CAA-CBA-CGA-O1A
14	l	507	CLA	CAA-CBA-CGA-O2A
14	l	511	CLA	CAA-CBA-CGA-O1A
14	m	509	CLA	CAA-CBA-CGA-O1A
14	p	517	CLA	CAA-CBA-CGA-O1A
20	b	822	SQD	C24-C23-O48-C46
14	T	513	CLA	O1A-CGA-O2A-C1
14	aB	1207	CLA	CAA-CBA-CGA-O2A
14	cB	1207	CLA	CAA-CBA-CGA-O2A
14	cB	1210	CLA	CAA-CBA-CGA-O2A
14	p	509	CLA	C5-C6-C7-C8
14	b	509	CLA	C3-C5-C6-C7
18	bA	5002	LHG	O7-C5-C6-O8
20	Z	822	SQD	O6-C44-C45-O47
14	b1	506	CLA	CAA-CBA-CGA-O1A
14	b4	512	CLA	CAA-CBA-CGA-O1A
14	c1	519	CLA	CAA-CBA-CGA-O1A
14	c6	511	CLA	CAA-CBA-CGA-O1A
14	a	510	CLA	CAA-CBA-CGA-O1A
14	b	506	CLA	CAA-CBA-CGA-O1A
14	b	517	CLA	CAA-CBA-CGA-O1A
14	f	504	CLA	CAA-CBA-CGA-O1A
14	f	504	CLA	CAA-CBA-CGA-O2A
14	j	506	CLA	CAA-CBA-CGA-O1A
14	m	516	CLA	CAA-CBA-CGA-O1A
14	aB	1225	CLA	C11-C10-C8-C9
14	a1	501	CLA	C11-C10-C8-C9
14	a5	505	CLA	C11-C12-C13-C14
14	a6	501	CLA	C11-C10-C8-C9
14	bA	1115	CLA	C6-C7-C8-C9
14	bA	1128	CLA	C11-C10-C8-C9
14	bB	1229	CLA	C11-C10-C8-C9
14	cA	1115	CLA	C6-C7-C8-C9
14	cA	1118	CLA	C11-C10-C8-C9
14	cA	1237	CLA	C6-C7-C8-C9
14	cB	1023	CLA	C14-C13-C15-C16
14	cB	1207	CLA	C6-C7-C8-C9
14	c1	509	CLA	C14-C13-C15-C16
14	c3	507	CLA	C11-C10-C8-C9
14	c5	505	CLA	C11-C12-C13-C14
14	c5	509	CLA	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
14	c5	509	CLA	C14-C13-C15-C16
14	T	510	CLA	C6-C7-C8-C9
14	Z	505	CLA	C11-C12-C13-C14
14	b	510	CLA	C6-C7-C8-C9
14	o	503	CLA	C11-C12-C13-C14
14	a6	505	CLA	C16-C17-C18-C19
14	bA	1122	CLA	C11-C12-C13-C15
14	b3	501	CLA	C16-C17-C18-C19
14	cA	1120	CLA	C6-C7-C8-C10
14	cB	1211	CLA	C16-C17-C18-C20
14	W	510	CLA	C16-C17-C18-C20
14	a5	516	CLA	CAA-CBA-CGA-O2A
14	c6	510	CLA	CAA-CBA-CGA-O2A
14	X	510	CLA	CAA-CBA-CGA-O2A
14	c5	518	CLA	CAA-CBA-CGA-O1A
14	cB	1235	CLA	O1A-CGA-O2A-C1
14	bB	1232	CLA	CAA-CBA-CGA-O1A
14	c4	504	CLA	CAA-CBA-CGA-O1A
14	U	513	CLA	CAA-CBA-CGA-O1A
14	W	511	CLA	CAA-CBA-CGA-O1A
14	g	512	CLA	CAA-CBA-CGA-O1A
14	i	504	CLA	CAA-CBA-CGA-O1A
17	S	521	BCR	C7-C8-C9-C10
17	j	521	BCR	C7-C8-C9-C10
17	o	522	BCR	C7-C8-C9-C10
14	b5	508	CLA	C3-C5-C6-C7
18	aA	5005	LHG	C13-C14-C15-C16
14	bB	1205	CLA	C5-C6-C7-C8
14	aA	1131	CLA	C4-C3-C5-C6
14	cB	1211	CLA	C4-C3-C5-C6
18	bA	5004	LHG	C26-C27-C28-C29
14	cA	1138	CLA	C8-C10-C11-C12
14	j	509	CLA	C10-C11-C12-C13
14	bB	1207	CLA	CAA-CBA-CGA-O2A
14	b5	516	CLA	CAA-CBA-CGA-O2A
14	bB	1235	CLA	C16-C17-C18-C20
14	cA	1120	CLA	C6-C7-C8-C9
14	X	505	CLA	C16-C17-C18-C20
14	b1	518	CLA	C2-C3-C5-C6
14	a2	516	CLA	CAA-CBA-CGA-O2A
14	cB	1232	CLA	CAA-CBA-CGA-O1A
14	c6	519	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
14	Y	511	CLA	CAA-CBA-CGA-O2A
14	a	519	CLA	CAA-CBA-CGA-O1A
14	e	511	CLA	CAA-CBA-CGA-O1A
14	f	519	CLA	CAA-CBA-CGA-O2A
14	k	509	CLA	CAA-CBA-CGA-O2A
14	l	505	CLA	CAA-CBA-CGA-O2A
14	p	506	CLA	CAA-CBA-CGA-O2A
14	a4	518	CLA	CBA-CGA-O2A-C1
14	b	504	CLA	C2A-CAA-CBA-CGA
14	q	518	CLA	C2A-CAA-CBA-CGA
14	aA	1022	CLA	C11-C10-C8-C7
14	aA	1117	CLA	C12-C13-C15-C16
14	aA	1131	CLA	C11-C12-C13-C15
14	aB	1229	CLA	C6-C7-C8-C10
14	aB	1234	CLA	C6-C7-C8-C10
14	aB	1239	CLA	C12-C13-C15-C16
14	aL	1503	CLA	C11-C10-C8-C7
14	a2	509	CLA	C11-C12-C13-C15
14	a4	501	CLA	C11-C12-C13-C15
14	a5	505	CLA	C12-C13-C15-C16
14	bA	1106	CLA	C6-C7-C8-C10
14	bA	1109	CLA	C11-C10-C8-C7
14	b2	505	CLA	C11-C12-C13-C15
14	b4	502	CLA	C6-C7-C8-C10
14	b4	502	CLA	C11-C10-C8-C7
14	b4	509	CLA	C11-C10-C8-C7
14	b6	502	CLA	C11-C10-C8-C7
14	cA	1022	CLA	C11-C10-C8-C7
14	cA	1109	CLA	C11-C10-C8-C7
14	cA	1119	CLA	C11-C12-C13-C15
14	cB	1213	CLA	C6-C7-C8-C10
14	cB	1221	CLA	C11-C10-C8-C7
14	cB	1223	CLA	C11-C10-C8-C7
14	cB	1223	CLA	C12-C13-C15-C16
14	cB	1225	CLA	C12-C13-C15-C16
14	cB	1229	CLA	C6-C7-C8-C10
14	c6	503	CLA	C12-C13-C15-C16
14	T	509	CLA	C6-C7-C8-C10
14	Y	509	CLA	C6-C7-C8-C10
14	Z	503	CLA	C11-C10-C8-C7
14	a	501	CLA	C11-C10-C8-C7
14	b	510	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
14	c	510	CLA	C6-C7-C8-C10
14	d	510	CLA	C6-C7-C8-C10
14	cA	1137	CLA	C3-C5-C6-C7
14	c4	501	CLA	C3-C5-C6-C7
14	c4	505	CLA	C3-C5-C6-C7
14	c3	518	CLA	CAA-CBA-CGA-O1A
14	m	512	CLA	C4C-C3C-CAC-CBC
14	aB	1232	CLA	CAA-CBA-CGA-O1A
14	a6	506	CLA	CAA-CBA-CGA-O2A
14	b4	517	CLA	CAA-CBA-CGA-O2A
14	c6	506	CLA	CAA-CBA-CGA-O2A
14	b	516	CLA	CAA-CBA-CGA-O1A
14	l	504	CLA	CAA-CBA-CGA-O2A
14	o	506	CLA	CAA-CBA-CGA-O1A
14	p	513	CLA	CAA-CBA-CGA-O2A
14	a1	502	CLA	C2B-C3B-CAB-CBB
14	a1	507	CLA	C2B-C3B-CAB-CBB
14	a2	518	CLA	C2B-C3B-CAB-CBB
14	a4	503	CLA	C2B-C3B-CAB-CBB
14	a4	518	CLA	C2B-C3B-CAB-CBB
14	bA	1122	CLA	C2B-C3B-CAB-CBB
14	bB	1227	CLA	C2B-C3B-CAB-CBB
14	b3	518	CLA	C2B-C3B-CAB-CBB
14	cA	1122	CLA	C2B-C3B-CAB-CBB
14	cB	1227	CLA	C2B-C3B-CAB-CBB
14	c4	518	CLA	C2B-C3B-CAB-CBB
14	c6	518	CLA	C2B-C3B-CAB-CBB
14	W	502	CLA	C2B-C3B-CAB-CBB
14	X	518	CLA	C2B-C3B-CAB-CBB
14	Y	509	CLA	C2B-C3B-CAB-CBB
14	Z	503	CLA	C2B-C3B-CAB-CBB
14	a	502	CLA	C2B-C3B-CAB-CBB
14	a	519	CLA	C2B-C3B-CAB-CBB
14	d	502	CLA	C2B-C3B-CAB-CBB
14	e	502	CLA	C2B-C3B-CAB-CBB
14	f	502	CLA	C2B-C3B-CAB-CBB
14	f	518	CLA	C2B-C3B-CAB-CBB
14	o	502	CLA	C2B-C3B-CAB-CBB
14	p	509	CLA	C2B-C3B-CAB-CBB
14	q	502	CLA	C2B-C3B-CAB-CBB
17	aM	4021	BCR	C1-C6-C7-C8
17	aM	4021	BCR	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
17	a2	521	BCR	C23-C24-C25-C26
17	a3	521	BCR	C23-C24-C25-C26
17	a3	521	BCR	C23-C24-C25-C30
17	a4	521	BCR	C5-C6-C7-C8
17	a4	521	BCR	C23-C24-C25-C26
17	a4	523	BCR	C23-C24-C25-C26
17	a5	523	BCR	C23-C24-C25-C26
17	bI	4020	BCR	C23-C24-C25-C26
17	bI	4020	BCR	C23-C24-C25-C30
17	b1	521	BCR	C23-C24-C25-C26
17	b1	521	BCR	C23-C24-C25-C30
17	b2	521	BCR	C23-C24-C25-C26
17	b2	523	BCR	C1-C6-C7-C8
17	b5	523	BCR	C23-C24-C25-C26
17	cA	4011	BCR	C23-C24-C25-C26
17	cA	4011	BCR	C23-C24-C25-C30
17	cJ	4013	BCR	C23-C24-C25-C26
17	c1	523	BCR	C23-C24-C25-C26
17	c2	521	BCR	C23-C24-C25-C26
17	c2	521	BCR	C23-C24-C25-C30
17	c4	521	BCR	C5-C6-C7-C8
17	c4	523	BCR	C1-C6-C7-C8
17	c5	521	BCR	C5-C6-C7-C8
17	c6	523	BCR	C23-C24-C25-C26
17	c6	523	BCR	C23-C24-C25-C30
17	V	523	BCR	C23-C24-C25-C26
17	W	521	BCR	C23-C24-C25-C26
17	W	523	BCR	C5-C6-C7-C8
17	Y	523	BCR	C23-C24-C25-C26
17	Z	521	BCR	C23-C24-C25-C26
17	d	521	BCR	C23-C24-C25-C26
17	d	523	BCR	C5-C6-C7-C8
17	h	523	BCR	C23-C24-C25-C26
17	j	521	BCR	C23-C24-C25-C26
17	k	523	BCR	C23-C24-C25-C26
17	l	521	BCR	C1-C6-C7-C8
17	l	521	BCR	C5-C6-C7-C8
17	o	521	BCR	C5-C6-C7-C8
17	p	523	BCR	C23-C24-C25-C26
17	q	523	BCR	C23-C24-C25-C26
20	T	822	SQD	O48-C23-C24-C25
20	f	822	SQD	O48-C23-C24-C25

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Mol	Chain	Res	Type	Atoms
20	b2	822	SQD	O48-C23-C24-C25
20	b4	822	SQD	O48-C23-C24-C25
14	aB	1211	CLA	C2-C1-O2A-CGA
14	a3	513	CLA	C2-C1-O2A-CGA
14	a5	503	CLA	C2-C1-O2A-CGA
14	bB	1206	CLA	C2-C1-O2A-CGA
14	b5	503	CLA	C2-C1-O2A-CGA
14	b5	504	CLA	C2-C1-O2A-CGA
14	b5	516	CLA	C2-C1-O2A-CGA
14	cA	1013	CLA	C2-C1-O2A-CGA
14	cK	1401	CLA	C2-C1-O2A-CGA
14	c4	502	CLA	C2-C1-O2A-CGA
14	c5	502	CLA	C2-C1-O2A-CGA
14	W	502	CLA	C2-C1-O2A-CGA
14	e	507	CLA	C2-C1-O2A-CGA
14	g	505	CLA	C2-C1-O2A-CGA
14	j	510	CLA	C2-C1-O2A-CGA
14	bB	1021	CLA	CAA-CBA-CGA-O1A
18	aA	5005	LHG	C11-C12-C13-C14
14	W	506	CLA	CAA-CBA-CGA-O1A
14	a2	507	CLA	C3-C5-C6-C7
14	Y	505	CLA	C13-C15-C16-C17
14	g	505	CLA	C13-C15-C16-C17
18	bA	5001	LHG	C25-C26-C27-C28
14	aA	1237	CLA	CAA-CBA-CGA-O2A
14	b5	510	CLA	CAA-CBA-CGA-O2A
18	bA	5001	LHG	O7-C7-C8-C9
18	cA	5003	LHG	O7-C7-C8-C9
14	aA	1102	CLA	CAA-CBA-CGA-O1A
14	aB	1206	CLA	CAA-CBA-CGA-O1A
21	aB	5002	LMG	C15-C16-C17-C18
14	c6	512	CLA	CAA-CBA-CGA-O1A
14	Y	506	CLA	CAA-CBA-CGA-O2A
14	a	511	CLA	CAA-CBA-CGA-O2A
14	k	504	CLA	CAA-CBA-CGA-O2A
18	bA	5004	LHG	C13-C14-C15-C16
14	bB	1235	CLA	CBA-CGA-O2A-C1
14	b	512	CLA	CBA-CGA-O2A-C1
18	cA	5001	LHG	C24-C25-C26-C27
14	cA	1127	CLA	C16-C17-C18-C19
14	a	518	CLA	C3-C5-C6-C7
14	W	504	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	aA	1131	CLA	C2-C3-C5-C6
14	aB	1208	CLA	C2-C3-C5-C6
14	bB	1208	CLA	C2-C3-C5-C6
14	cB	1211	CLA	C2-C3-C5-C6
14	cB	1218	CLA	C2-C3-C5-C6
14	h	508	CLA	CAA-CBA-CGA-O1A
14	b1	517	CLA	C2A-CAA-CBA-CGA
14	b5	506	CLA	C2A-CAA-CBA-CGA
14	c1	518	CLA	C2A-CAA-CBA-CGA
14	c4	506	CLA	C2A-CAA-CBA-CGA
14	c	508	CLA	C5-C6-C7-C8
14	g	505	CLA	C8-C10-C11-C12
14	V	516	CLA	CAA-CBA-CGA-O2A
14	X	506	CLA	CAA-CBA-CGA-O2A
14	h	519	CLA	CAA-CBA-CGA-O2A
14	l	519	CLA	CAA-CBA-CGA-O2A
14	aA	1128	CLA	O1A-CGA-O2A-C1
14	bB	1210	CLA	CAA-CBA-CGA-O2A
14	b2	510	CLA	CAA-CBA-CGA-O2A
14	cB	1236	CLA	CAA-CBA-CGA-O2A
14	c1	501	CLA	CAA-CBA-CGA-O2A
14	c4	501	CLA	CAA-CBA-CGA-O2A
14	Y	501	CLA	CAA-CBA-CGA-O2A
18	bA	5001	LHG	O8-C23-C24-C25
20	cB	1852	SQD	O48-C23-C24-C25
20	e	822	SQD	O48-C23-C24-C25
14	aA	1126	CLA	C3-C5-C6-C7
14	a1	502	CLA	C11-C12-C13-C14
14	a4	502	CLA	C11-C12-C13-C14
14	aB	1021	CLA	CAA-CBA-CGA-O1A
14	l	516	CLA	CAA-CBA-CGA-O1A
14	bB	1023	CLA	C5-C6-C7-C8
14	b	505	CLA	C5-C6-C7-C8
14	b6	518	CLA	CBA-CGA-O2A-C1
19	bA	1848	LMU	C1-C2-C3-C4
14	aA	1120	CLA	CAA-CBA-CGA-O2A
14	a4	501	CLA	CAA-CBA-CGA-O2A
14	a5	501	CLA	CAA-CBA-CGA-O2A
14	bA	1120	CLA	CAA-CBA-CGA-O2A
14	bA	1237	CLA	CAA-CBA-CGA-O2A
14	bB	1236	CLA	CAA-CBA-CGA-O2A
14	b2	501	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	b4	501	CLA	CAA-CBA-CGA-O2A
14	b4	510	CLA	CAA-CBA-CGA-O2A
14	b6	501	CLA	CAA-CBA-CGA-O2A
14	cA	1106	CLA	CAA-CBA-CGA-O2A
14	cA	1139	CLA	CAA-CBA-CGA-O2A
14	cA	1237	CLA	CAA-CBA-CGA-O2A
14	c5	510	CLA	CAA-CBA-CGA-O2A
14	W	501	CLA	CAA-CBA-CGA-O2A
14	j	510	CLA	CAA-CBA-CGA-O2A
18	aA	5001	LHG	O7-C7-C8-C9
14	aA	1140	CLA	CAA-CBA-CGA-O1A
14	Y	502	CLA	C8-C10-C11-C12
14	b6	518	CLA	O1A-CGA-O2A-C1
14	T	509	CLA	C12-C13-C15-C16
14	m	506	CLA	CAA-CBA-CGA-O2A
14	q	507	CLA	CAA-CBA-CGA-O1A
14	aB	1208	CLA	C4-C3-C5-C6
14	cA	1106	CLA	C4-C3-C5-C6
14	aB	1236	CLA	CAA-CBA-CGA-O2A
14	a1	501	CLA	CAA-CBA-CGA-O2A
14	a3	519	CLA	CAA-CBA-CGA-O2A
14	b5	501	CLA	CAA-CBA-CGA-O2A
14	T	501	CLA	CAA-CBA-CGA-O2A
14	X	504	CLA	CAA-CBA-CGA-O2A
14	k	501	CLA	CAA-CBA-CGA-O2A
14	aA	1140	CLA	C2-C3-C5-C6
14	a4	507	CLA	C2-C3-C5-C6
14	c4	501	CLA	C2-C3-C5-C6
14	j	510	CLA	C2-C3-C5-C6
14	aB	1235	CLA	CBA-CGA-O2A-C1
14	aK	1103	CLA	CAA-CBA-CGA-O1A
14	c2	506	CLA	CAA-CBA-CGA-O1A
14	a6	510	CLA	O1A-CGA-O2A-C1
14	m	504	CLA	C2A-CAA-CBA-CGA
14	a4	506	CLA	CAA-CBA-CGA-O2A
14	U	519	CLA	CAA-CBA-CGA-O1A
14	f	517	CLA	CAA-CBA-CGA-O2A
14	bA	1135	CLA	CAA-CBA-CGA-O2A
14	b3	504	CLA	CAA-CBA-CGA-O2A
14	c5	501	CLA	CAA-CBA-CGA-O2A
14	V	510	CLA	CAA-CBA-CGA-O2A
14	X	501	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
18	bX	4021	LHG	C17-C18-C19-C20
14	V	504	CLA	C3-C5-C6-C7
14	aK	1401	CLA	CBD-CGD-O2D-CED
14	bK	1103	CLA	CAA-CBA-CGA-O2A
14	b3	506	CLA	CAA-CBA-CGA-O2A
14	c4	516	CLA	CAA-CBA-CGA-O2A
14	T	517	CLA	CAA-CBA-CGA-O1A
14	V	519	CLA	CAA-CBA-CGA-O2A
14	Y	516	CLA	CAA-CBA-CGA-O1A
14	aA	1123	CLA	C11-C10-C8-C9
14	aB	1023	CLA	C14-C13-C15-C16
14	bA	1125	CLA	C11-C10-C8-C9
14	bB	1012	CLA	C6-C7-C8-C9
14	bB	1210	CLA	C11-C12-C13-C14
14	b2	501	CLA	C6-C7-C8-C9
14	b3	505	CLA	C11-C12-C13-C14
14	cA	1123	CLA	C14-C13-C15-C16
14	cA	1139	CLA	C6-C7-C8-C9
14	cB	1235	CLA	C14-C13-C15-C16
14	c4	505	CLA	C6-C7-C8-C9
14	X	503	CLA	C11-C10-C8-C9
14	cA	1119	CLA	C13-C15-C16-C17
17	a2	522	BCR	C7-C8-C9-C34
14	aA	1123	CLA	CAA-CBA-CGA-O2A
14	a3	501	CLA	CAA-CBA-CGA-O2A
14	a4	510	CLA	CAA-CBA-CGA-O2A
14	bB	1217	CLA	CAA-CBA-CGA-O2A
14	cB	1217	CLA	CAA-CBA-CGA-O2A
14	cJ	1302	CLA	CAA-CBA-CGA-O2A
14	c	501	CLA	CAA-CBA-CGA-O2A
14	q	501	CLA	CAA-CBA-CGA-O2A
18	cA	5001	LHG	O7-C7-C8-C9
18	cA	5001	LHG	O8-C23-C24-C25
14	bB	1235	CLA	O1A-CGA-O2A-C1
20	a4	822	SQD	O6-C44-C45-C46
14	aA	1103	CLA	C1A-C2A-CAA-CBA
14	aA	1108	CLA	C1A-C2A-CAA-CBA
14	aA	1113	CLA	C1A-C2A-CAA-CBA
14	aA	1122	CLA	C4B-C3B-CAB-CBB
14	aA	1132	CLA	C1A-C2A-CAA-CBA
14	aB	1234	CLA	C1A-C2A-CAA-CBA
14	a1	507	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	a3	512	CLA	C4B-C3B-CAB-CBB
14	a3	518	CLA	C1A-C2A-CAA-CBA
14	a3	518	CLA	C4B-C3B-CAB-CBB
14	a6	512	CLA	C1A-C2A-CAA-CBA
14	bA	1139	CLA	C4B-C3B-CAB-CBB
14	bA	1022	CLA	C1A-C2A-CAA-CBA
14	bB	1222	CLA	C1A-C2A-CAA-CBA
14	bB	1239	CLA	C1A-C2A-CAA-CBA
14	b1	512	CLA	C1A-C2A-CAA-CBA
14	b2	512	CLA	C1A-C2A-CAA-CBA
14	b3	511	CLA	C1A-C2A-CAA-CBA
14	b3	512	CLA	C4B-C3B-CAB-CBB
14	b4	512	CLA	C4B-C3B-CAB-CBB
14	b4	517	CLA	C1A-C2A-CAA-CBA
14	b4	518	CLA	C4B-C3B-CAB-CBB
14	b5	512	CLA	C4B-C3B-CAB-CBB
14	b6	504	CLA	C1A-C2A-CAA-CBA
14	cA	1103	CLA	C1A-C2A-CAA-CBA
14	cA	1111	CLA	C1A-C2A-CAA-CBA
14	cA	1123	CLA	C1A-C2A-CAA-CBA
14	cA	1132	CLA	C1A-C2A-CAA-CBA
14	cA	1133	CLA	C4B-C3B-CAB-CBB
14	cB	1234	CLA	C1A-C2A-CAA-CBA
14	cB	1236	CLA	C1A-C2A-CAA-CBA
14	c1	516	CLA	C4B-C3B-CAB-CBB
14	c2	512	CLA	C1A-C2A-CAA-CBA
14	c3	516	CLA	C1A-C2A-CAA-CBA
14	c4	503	CLA	C4B-C3B-CAB-CBB
14	c5	507	CLA	C1A-C2A-CAA-CBA
14	c6	512	CLA	C1A-C2A-CAA-CBA
14	S	511	CLA	C1A-C2A-CAA-CBA
14	U	501	CLA	C1A-C2A-CAA-CBA
14	W	511	CLA	C1A-C2A-CAA-CBA
14	Y	518	CLA	C1A-C2A-CAA-CBA
14	Z	503	CLA	C4B-C3B-CAB-CBB
14	Z	512	CLA	C4B-C3B-CAB-CBB
14	a	502	CLA	C4B-C3B-CAB-CBB
14	a	512	CLA	C4B-C3B-CAB-CBB
14	a	519	CLA	C4B-C3B-CAB-CBB
14	f	501	CLA	C1A-C2A-CAA-CBA
14	f	512	CLA	C4B-C3B-CAB-CBB
14	g	512	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	i	509	CLA	C1A-C2A-CAA-CBA
14	k	517	CLA	C1A-C2A-CAA-CBA
14	l	509	CLA	C1A-C2A-CAA-CBA
14	m	507	CLA	C1A-C2A-CAA-CBA
14	m	511	CLA	C1A-C2A-CAA-CBA
14	m	512	CLA	C4B-C3B-CAB-CBB
14	n	511	CLA	C1A-C2A-CAA-CBA
14	n	518	CLA	C1A-C2A-CAA-CBA
14	p	508	CLA	C1A-C2A-CAA-CBA
14	p	517	CLA	C1A-C2A-CAA-CBA
14	q	503	CLA	C1A-C2A-CAA-CBA
14	q	507	CLA	C1A-C2A-CAA-CBA
14	q	509	CLA	C1A-C2A-CAA-CBA
14	q	511	CLA	C1A-C2A-CAA-CBA
14	a2	516	CLA	CAA-CBA-CGA-O1A
14	V	519	CLA	CAA-CBA-CGA-O1A
14	f	519	CLA	CAA-CBA-CGA-O1A
14	k	509	CLA	CAA-CBA-CGA-O1A
14	l	507	CLA	CAA-CBA-CGA-O1A
21	bB	5002	LMG	C15-C16-C17-C18
14	b4	508	CLA	C4-C3-C5-C6
20	b4	822	SQD	O5-C1-O6-C44
20	c2	822	SQD	O5-C1-O6-C44
14	aB	1217	CLA	CAA-CBA-CGA-O2A
14	bB	1203	CLA	CAA-CBA-CGA-O2A
14	bB	1227	CLA	CAA-CBA-CGA-O2A
14	cA	1120	CLA	CAA-CBA-CGA-O2A
14	cA	1135	CLA	CAA-CBA-CGA-O2A
14	cB	1203	CLA	CAA-CBA-CGA-O2A
14	V	501	CLA	CAA-CBA-CGA-O2A
14	Z	501	CLA	CAA-CBA-CGA-O2A
18	aA	5001	LHG	O8-C23-C24-C25
20	aB	1852	SQD	O48-C23-C24-C25
20	bB	1852	SQD	O48-C23-C24-C25
14	d	519	CLA	CAA-CBA-CGA-O1A
14	l	505	CLA	CAA-CBA-CGA-O1A
18	bA	5004	LHG	C27-C28-C29-C30
17	aK	4001	BCR	C21-C22-C23-C24
17	a1	523	BCR	C7-C8-C9-C10
17	bJ	4012	BCR	C11-C12-C13-C14
17	b4	521	BCR	C7-C8-C9-C10
17	cB	4010	BCR	C21-C22-C23-C24

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Mol	Chain	Res	Type	Atoms
17	cF	4014	BCR	C7-C8-C9-C10
17	cF	4014	BCR	C17-C18-C19-C20
17	c6	521	BCR	C11-C12-C13-C14
17	U	522	BCR	C7-C8-C9-C10
17	V	523	BCR	C7-C8-C9-C10
17	c	521	BCR	C21-C22-C23-C24
17	f	523	BCR	C7-C8-C9-C10
17	g	521	BCR	C7-C8-C9-C10
17	j	523	BCR	C7-C8-C9-C10
17	p	521	BCR	C7-C8-C9-C10
17	cF	4015	BCR	C9-C10-C11-C12
17	Z	521	BCR	C9-C10-C11-C12
17	n	522	BCR	C9-C10-C11-C12
14	c2	501	CLA	C5-C6-C7-C8
14	cA	1112	CLA	CBD-CGD-O2D-CED
14	Y	502	CLA	CBD-CGD-O2D-CED
14	aB	1235	CLA	O1A-CGA-O2A-C1
14	aB	1223	CLA	C16-C17-C18-C20
14	b2	518	CLA	CAA-CBA-CGA-O1A
14	d	518	CLA	CAA-CBA-CGA-O1A
14	X	512	CLA	CAA-CBA-CGA-O2A
14	h	504	CLA	CAA-CBA-CGA-O2A
14	j	511	CLA	CAA-CBA-CGA-O2A
14	aA	1106	CLA	CAA-CBA-CGA-O2A
14	a2	501	CLA	CAA-CBA-CGA-O2A
14	bA	1121	CLA	CAA-CBA-CGA-O2A
14	bB	1231	CLA	CAA-CBA-CGA-O2A
14	b3	501	CLA	CAA-CBA-CGA-O2A
14	cJ	1303	CLA	CAA-CBA-CGA-O2A
14	g	501	CLA	CAA-CBA-CGA-O2A
14	b2	512	CLA	C2A-CAA-CBA-CGA
14	V	517	CLA	C2A-CAA-CBA-CGA
14	e	512	CLA	C2A-CAA-CBA-CGA
14	b5	518	CLA	CAA-CBA-CGA-O1A
14	aA	1139	CLA	O1A-CGA-O2A-C1
14	b	510	CLA	O1A-CGA-O2A-C1
14	bA	1104	CLA	O1D-CGD-O2D-CED
14	aA	1101	CLA	C11-C12-C13-C14
14	bA	1127	CLA	C16-C17-C18-C19
14	bB	1223	CLA	C16-C17-C18-C20
18	aA	5002	LHG	O6-C4-C5-C6
14	a2	510	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	b3	510	CLA	CAA-CBA-CGA-O2A
14	T	510	CLA	CAA-CBA-CGA-O2A
14	a	511	CLA	CAA-CBA-CGA-O1A
14	p	519	CLA	CAA-CBA-CGA-O1A
14	p	519	CLA	CAA-CBA-CGA-O2A
14	b2	511	CLA	C2-C3-C5-C6
20	a1	822	SQD	C5-C6-S-O9
20	a6	822	SQD	C5-C6-S-O7
20	d	822	SQD	C5-C6-S-O9
20	h	822	SQD	C5-C6-S-O7
14	a4	509	CLA	C15-C16-C17-C18
14	a6	502	CLA	C2-C1-O2A-CGA
14	bB	1203	CLA	C2-C1-O2A-CGA
14	b5	502	CLA	C2-C1-O2A-CGA
14	b5	510	CLA	C2-C1-O2A-CGA
14	b6	502	CLA	C2-C1-O2A-CGA
14	c6	502	CLA	C2-C1-O2A-CGA
14	c6	510	CLA	C2-C1-O2A-CGA
14	W	509	CLA	C2-C1-O2A-CGA
14	X	502	CLA	C2-C1-O2A-CGA
14	e	505	CLA	C2-C1-O2A-CGA
14	bA	1137	CLA	CAA-CBA-CGA-O2A
14	V	503	CLA	O1D-CGD-O2D-CED
14	aB	1012	CLA	C12-C13-C15-C16
14	aB	1211	CLA	C12-C13-C15-C16
14	aB	1223	CLA	C12-C13-C15-C16
14	aB	1235	CLA	C12-C13-C15-C16
14	bA	1116	CLA	C6-C7-C8-C10
14	bB	1203	CLA	C12-C13-C15-C16
14	bB	1235	CLA	C12-C13-C15-C16
14	b2	503	CLA	C11-C12-C13-C15
14	b5	507	CLA	C6-C7-C8-C10
14	b6	505	CLA	C12-C13-C15-C16
14	cA	1106	CLA	C12-C13-C15-C16
14	cA	1115	CLA	C11-C10-C8-C7
14	cA	1118	CLA	C11-C10-C8-C7
14	cA	1140	CLA	C11-C10-C8-C7
14	cA	1237	CLA	C6-C7-C8-C10
14	cB	1239	CLA	C11-C10-C8-C7
14	c3	505	CLA	C11-C12-C13-C15
14	c3	507	CLA	C11-C10-C8-C7
14	c5	501	CLA	C6-C7-C8-C10

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Mol	Chain	Res	Type	Atoms
14	c5	505	CLA	C12-C13-C15-C16
14	V	509	CLA	C11-C10-C8-C7
14	Y	505	CLA	C11-C12-C13-C15
14	b	503	CLA	C11-C10-C8-C7
14	b	510	CLA	C6-C7-C8-C10
14	c	505	CLA	C6-C7-C8-C10
14	n	505	CLA	C11-C12-C13-C15
14	q	509	CLA	C12-C13-C15-C16
14	aB	1023	CLA	C5-C6-C7-C8
18	cA	5003	LHG	C14-C15-C16-C17
19	bB	1843	LMU	C4-C5-C6-C7
14	S	504	CLA	CAA-CBA-CGA-O2A
14	Y	511	CLA	CAA-CBA-CGA-O1A
14	Y	516	CLA	CAA-CBA-CGA-O2A
14	m	502	CLA	CAA-CBA-CGA-O2A
14	aA	1127	CLA	C16-C17-C18-C19
14	bB	1215	CLA	C11-C12-C13-C15
14	cB	1223	CLA	C16-C17-C18-C20
14	aB	1214	CLA	O2A-C1-C2-C3
20	Y	822	SQD	C11-C10-C9-C8
14	b4	517	CLA	CAA-CBA-CGA-O1A
14	c6	506	CLA	CAA-CBA-CGA-O1A
14	p	506	CLA	CAA-CBA-CGA-O1A
14	p	513	CLA	CAA-CBA-CGA-O1A
14	c2	510	CLA	CAA-CBA-CGA-O2A
14	b4	501	CLA	C5-C6-C7-C8
14	c1	516	CLA	C5-C6-C7-C8
14	c6	518	CLA	CAA-CBA-CGA-O1A
14	aA	1135	CLA	C2A-CAA-CBA-CGA
14	aB	1023	CLA	C2A-CAA-CBA-CGA
14	a6	513	CLA	C2A-CAA-CBA-CGA
14	l	518	CLA	C2A-CAA-CBA-CGA
14	o	501	CLA	C2A-CAA-CBA-CGA
14	cA	1123	CLA	C16-C17-C18-C20
14	X	502	CLA	C11-C12-C13-C15
14	f	512	CLA	CAA-CBA-CGA-O2A
14	k	516	CLA	CAA-CBA-CGA-O2A
14	l	519	CLA	CAA-CBA-CGA-O1A
14	Y	509	CLA	C8-C10-C11-C12
14	aA	1107	CLA	CAA-CBA-CGA-O2A
14	a3	509	CLA	C8-C10-C11-C12
14	cA	1139	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	b6	511	CLA	CAA-CBA-CGA-O2A
14	Y	506	CLA	CAA-CBA-CGA-O1A
14	g	504	CLA	CAA-CBA-CGA-O2A
14	aB	1207	CLA	C3A-C2A-CAA-CBA
14	bB	1207	CLA	C3A-C2A-CAA-CBA
14	cA	1111	CLA	C3A-C2A-CAA-CBA
14	cA	1123	CLA	C3A-C2A-CAA-CBA
14	cA	1134	CLA	C3A-C2A-CAA-CBA
14	cB	1207	CLA	C3A-C2A-CAA-CBA
14	c2	510	CLA	C4-C3-C5-C6
14	l	517	CLA	C3A-C2A-CAA-CBA
14	aA	1237	CLA	CAA-CBA-CGA-O1A
14	aB	1224	CLA	CAA-CBA-CGA-O1A
14	bB	1236	CLA	CAA-CBA-CGA-O1A
14	cA	1140	CLA	CAA-CBA-CGA-O1A
14	c4	501	CLA	CAA-CBA-CGA-O1A
14	cA	1140	CLA	C10-C11-C12-C13
14	cB	1214	CLA	C10-C11-C12-C13
14	c5	508	CLA	C5-C6-C7-C8
14	c	502	CLA	C5-C6-C7-C8
14	aA	1131	CLA	C16-C17-C18-C20
14	b5	502	CLA	C11-C12-C13-C15
14	Y	502	CLA	C11-C12-C13-C15
14	b1	501	CLA	CAA-CBA-CGA-O2A
14	bA	1237	CLA	C2-C3-C5-C6
14	a5	506	CLA	CAA-CBA-CGA-O2A
14	a6	506	CLA	CAA-CBA-CGA-O1A
14	X	506	CLA	CAA-CBA-CGA-O1A
14	h	519	CLA	CAA-CBA-CGA-O1A
14	k	504	CLA	CAA-CBA-CGA-O1A
14	l	504	CLA	CAA-CBA-CGA-O1A
14	m	506	CLA	CAA-CBA-CGA-O1A
14	n	504	CLA	CAA-CBA-CGA-O2A
14	a4	505	CLA	C5-C6-C7-C8
14	b3	505	CLA	C13-C15-C16-C17
14	aB	1213	CLA	C3-C5-C6-C7
14	bA	1140	CLA	CAA-CBA-CGA-O1A
14	b4	510	CLA	CAA-CBA-CGA-O1A
14	W	504	CLA	CAA-CBA-CGA-O1A
14	Y	502	CLA	O1D-CGD-O2D-CED
14	bA	1132	CLA	CBA-CGA-O2A-C1
14	aB	1229	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
14	aK	1401	CLA	O1D-CGD-O2D-CED
14	a6	501	CLA	CAA-CBA-CGA-O2A
14	cA	1121	CLA	CAA-CBA-CGA-O2A
14	aB	1023	CLA	C2C-C3C-CAC-CBC
14	b5	517	CLA	CAA-CBA-CGA-O2A
14	aB	1236	CLA	CAA-CBA-CGA-O1A
14	b6	501	CLA	CAA-CBA-CGA-O1A
14	c1	501	CLA	CAA-CBA-CGA-O1A
14	T	501	CLA	CAA-CBA-CGA-O1A
14	Y	501	CLA	CAA-CBA-CGA-O1A
18	bA	5001	LHG	O10-C23-C24-C25
20	n	822	SQD	O49-C7-C8-C9
14	b2	509	CLA	C16-C17-C18-C19
14	c2	505	CLA	C16-C17-C18-C20
14	aB	1221	CLA	C5-C6-C7-C8
14	bB	1023	CLA	C2A-CAA-CBA-CGA
14	bB	1231	CLA	C2A-CAA-CBA-CGA
14	h	518	CLA	C2A-CAA-CBA-CGA
14	aA	1139	CLA	CBA-CGA-O2A-C1
14	a6	510	CLA	CBA-CGA-O2A-C1
14	b	510	CLA	CBA-CGA-O2A-C1
14	c4	516	CLA	CAA-CBA-CGA-O1A
14	aA	1115	CLA	C6-C7-C8-C9
14	aA	1123	CLA	C14-C13-C15-C16
14	a4	518	CLA	C11-C10-C8-C9
14	a5	505	CLA	C14-C13-C15-C16
14	bB	1239	CLA	C14-C13-C15-C16
14	cB	1012	CLA	C11-C12-C13-C14
14	cB	1239	CLA	C11-C10-C8-C9
14	c3	505	CLA	C11-C12-C13-C14
14	c3	510	CLA	C6-C7-C8-C9
14	W	503	CLA	C11-C12-C13-C14
15	bB	2002	PQN	C19-C18-C20-C21
14	aA	1121	CLA	CAA-CBA-CGA-O2A
14	aB	1229	CLA	CAA-CBA-CGA-O1A
14	a4	510	CLA	CAA-CBA-CGA-O1A
14	b5	510	CLA	CAA-CBA-CGA-O1A
14	cA	1120	CLA	CAA-CBA-CGA-O1A
14	cB	1236	CLA	CAA-CBA-CGA-O1A
14	Z	501	CLA	CAA-CBA-CGA-O1A
20	b3	822	SQD	O49-C7-C8-C9
20	b	822	SQD	O10-C23-C24-C25

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Mol	Chain	Res	Type	Atoms
14	aA	1139	CLA	C5-C6-C7-C8
17	a1	521	BCR	C9-C10-C11-C12
17	l	521	BCR	C9-C10-C11-C12
14	c5	517	CLA	CAA-CBA-CGA-O2A
14	c4	512	CLA	O1D-CGD-O2D-CED
14	c6	501	CLA	C10-C11-C12-C13
14	bL	1501	CLA	C4-C3-C5-C6
14	cB	1012	CLA	C4-C3-C5-C6
14	aA	1120	CLA	CAA-CBA-CGA-O1A
14	aB	1207	CLA	CAA-CBA-CGA-O1A
14	cA	1237	CLA	CAA-CBA-CGA-O1A
14	c6	510	CLA	CAA-CBA-CGA-O1A
14	q	501	CLA	CAA-CBA-CGA-O1A
14	aA	1139	CLA	C2-C3-C5-C6
14	bL	1501	CLA	C2-C3-C5-C6
14	b3	518	CLA	C2-C3-C5-C6
14	Z	504	CLA	C5-C6-C7-C8
20	bB	1852	SQD	O5-C5-C6-S
20	d	822	SQD	O5-C5-C6-S
20	f	822	SQD	O5-C5-C6-S
14	a4	506	CLA	CAA-CBA-CGA-O1A
14	b3	506	CLA	CAA-CBA-CGA-O1A
14	b4	513	CLA	CAA-CBA-CGA-O2A
14	c2	517	CLA	CAA-CBA-CGA-O2A
14	f	517	CLA	CAA-CBA-CGA-O1A
14	a4	501	CLA	CAA-CBA-CGA-O1A
14	bA	1135	CLA	CAA-CBA-CGA-O1A
14	bB	1227	CLA	CAA-CBA-CGA-O1A
14	b3	510	CLA	CAA-CBA-CGA-O1A
14	cB	1207	CLA	CAA-CBA-CGA-O1A
14	cB	1210	CLA	CAA-CBA-CGA-O1A
14	X	510	CLA	CAA-CBA-CGA-O1A
14	b6	501	CLA	C15-C16-C17-C18
14	bA	1132	CLA	O1A-CGA-O2A-C1
14	cA	1126	CLA	O1A-CGA-O2A-C1
14	a6	507	CLA	CAA-CBA-CGA-O2A
14	W	510	CLA	CAA-CBA-CGA-O2A
14	b3	501	CLA	C16-C17-C18-C20
14	T	511	CLA	CAA-CBA-CGA-O2A
14	f	518	CLA	CAA-CBA-CGA-O2A
14	k	516	CLA	CAA-CBA-CGA-O1A
14	cK	1401	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
17	aJ	4013	BCR	C17-C18-C19-C20
17	a2	522	BCR	C7-C8-C9-C10
17	c1	523	BCR	C21-C22-C23-C24
20	Z	822	SQD	O49-C7-C8-C9
14	aA	1106	CLA	CAA-CBA-CGA-O1A
14	aA	1123	CLA	CAA-CBA-CGA-O1A
14	a3	501	CLA	CAA-CBA-CGA-O1A
14	a5	516	CLA	CAA-CBA-CGA-O1A
14	bB	1203	CLA	CAA-CBA-CGA-O1A
14	bB	1207	CLA	CAA-CBA-CGA-O1A
14	bB	1210	CLA	CAA-CBA-CGA-O1A
14	bB	1217	CLA	CAA-CBA-CGA-O1A
14	b5	516	CLA	CAA-CBA-CGA-O1A
14	cA	1106	CLA	CAA-CBA-CGA-O1A
14	cA	1139	CLA	CAA-CBA-CGA-O1A
14	c2	510	CLA	CAA-CBA-CGA-O1A
14	V	510	CLA	CAA-CBA-CGA-O1A
20	c3	822	SQD	O10-C23-C24-C25
21	a2	5104	LMG	O10-C28-C29-C30
14	aB	1213	CLA	C15-C16-C17-C18
20	p	822	SQD	C45-C44-O6-C1
21	a1	5104	LMG	C8-C7-O1-C1
20	b4	822	SQD	O47-C45-C46-O48
20	X	822	SQD	O6-C44-C45-O47
21	b1	5104	LMG	O1-C7-C8-O7
14	V	503	CLA	CBD-CGD-O2D-CED
14	aB	1210	CLA	CAA-CBA-CGA-O1A
14	aB	1217	CLA	CAA-CBA-CGA-O1A
14	bA	1120	CLA	CAA-CBA-CGA-O1A
14	bA	1237	CLA	CAA-CBA-CGA-O1A
14	bB	1231	CLA	CAA-CBA-CGA-O1A
14	cA	1135	CLA	CAA-CBA-CGA-O1A
14	cB	1203	CLA	CAA-CBA-CGA-O1A
14	cJ	1303	CLA	CAA-CBA-CGA-O1A
14	c5	501	CLA	CAA-CBA-CGA-O1A
14	V	501	CLA	CAA-CBA-CGA-O1A
14	j	510	CLA	CAA-CBA-CGA-O1A
18	aA	5001	LHG	O9-C7-C8-C9
18	cA	5001	LHG	O10-C23-C24-C25
20	aB	1852	SQD	O10-C23-C24-C25
20	b2	822	SQD	O10-C23-C24-C25
14	a3	510	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
18	aA	5005	LHG	O7-C7-C8-C9
20	c5	822	SQD	O47-C7-C8-C9
14	a	505	CLA	C13-C15-C16-C17
14	cB	1023	CLA	C2A-CAA-CBA-CGA
14	c6	501	CLA	C2A-CAA-CBA-CGA
14	S	516	CLA	C2A-CAA-CBA-CGA
19	cB	1843	LMU	C9-C10-C11-C12
14	o	518	CLA	O1D-CGD-O2D-CED
14	a1	508	CLA	CBA-CGA-O2A-C1
14	aB	1231	CLA	C6-C7-C8-C10
14	bB	1202	CLA	C16-C17-C18-C20
14	q	505	CLA	C6-C7-C8-C9
14	bA	1108	CLA	CAA-CBA-CGA-O2A
14	bK	1103	CLA	CAA-CBA-CGA-O1A
14	c3	506	CLA	CAA-CBA-CGA-O2A
14	X	512	CLA	CAA-CBA-CGA-O1A
14	j	511	CLA	CAA-CBA-CGA-O1A
14	m	502	CLA	CAA-CBA-CGA-O1A
14	a1	501	CLA	CAA-CBA-CGA-O1A
14	a2	510	CLA	CAA-CBA-CGA-O1A
14	b4	501	CLA	CAA-CBA-CGA-O1A
14	W	501	CLA	CAA-CBA-CGA-O1A
14	X	501	CLA	CAA-CBA-CGA-O1A
14	g	501	CLA	CAA-CBA-CGA-O1A
14	k	501	CLA	CAA-CBA-CGA-O1A
14	aA	1128	CLA	C4-C3-C5-C6
14	aA	1102	CLA	C13-C15-C16-C17
14	aB	1205	CLA	C5-C6-C7-C8
14	cB	1023	CLA	C5-C6-C7-C8
14	c1	505	CLA	C10-C11-C12-C13
14	W	501	CLA	C5-C6-C7-C8
14	a	509	CLA	C15-C16-C17-C18
14	cB	1202	CLA	CAA-CBA-CGA-O2A
18	aA	5003	LHG	O7-C7-C8-C9
14	a3	518	CLA	C2-C3-C5-C6
18	bA	5003	LHG	C14-C15-C16-C17
14	h	504	CLA	CAA-CBA-CGA-O1A
14	a2	501	CLA	CAA-CBA-CGA-O1A
14	a5	501	CLA	CAA-CBA-CGA-O1A
14	b2	510	CLA	CAA-CBA-CGA-O1A
14	b3	504	CLA	CAA-CBA-CGA-O1A
14	b5	501	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
20	c5	822	SQD	O10-C23-C24-C25
21	cB	5002	LMG	C37-C38-C39-C40
14	cB	1211	CLA	C16-C17-C18-C19
14	aB	1238	CLA	CAD-CBD-CGD-O2D
14	a2	508	CLA	CAD-CBD-CGD-O2D
14	a3	512	CLA	CAD-CBD-CGD-O2D
14	a4	503	CLA	CAD-CBD-CGD-O2D
14	a4	504	CLA	CAD-CBD-CGD-O2D
14	a4	517	CLA	CAD-CBD-CGD-O2D
14	a5	503	CLA	CAD-CBD-CGD-O2D
14	bA	1119	CLA	CAD-CBD-CGD-O2D
14	bK	1401	CLA	CAD-CBD-CGD-O2D
14	b1	513	CLA	CAD-CBD-CGD-O2D
14	b2	504	CLA	CAD-CBD-CGD-O2D
14	b2	513	CLA	CAD-CBD-CGD-O2D
14	b3	509	CLA	CAD-CBD-CGD-O2D
14	b4	511	CLA	CAD-CBD-CGD-O2D
14	b6	511	CLA	CAD-CBD-CGD-O2D
14	cB	1208	CLA	CAD-CBD-CGD-O2D
14	c2	511	CLA	CAD-CBD-CGD-O2D
14	c4	512	CLA	CAD-CBD-CGD-O2D
14	c6	503	CLA	CAD-CBD-CGD-O2D
14	U	504	CLA	CAD-CBD-CGD-O2D
14	U	511	CLA	CAD-CBD-CGD-O2D
14	Y	512	CLA	CAD-CBD-CGD-O2D
14	b	510	CLA	CAD-CBD-CGD-O2D
14	c	510	CLA	CAD-CBD-CGD-O2D
14	d	502	CLA	CAD-CBD-CGD-O2D
14	d	508	CLA	CAD-CBD-CGD-O2D
14	d	510	CLA	CAD-CBD-CGD-O2D
14	e	506	CLA	CAD-CBD-CGD-O2D
14	g	508	CLA	CAD-CBD-CGD-O2D
14	i	502	CLA	CAD-CBD-CGD-O2D
14	i	505	CLA	CAD-CBD-CGD-O2D
14	j	513	CLA	CAD-CBD-CGD-O2D
14	k	519	CLA	CAD-CBD-CGD-O2D
14	l	504	CLA	CAD-CBD-CGD-O2D
14	o	511	CLA	CAD-CBD-CGD-O2D
14	q	511	CLA	CAD-CBD-CGD-O2D
14	cB	1225	CLA	C13-C15-C16-C17
14	bA	1107	CLA	CAA-CBA-CGA-O2A
14	bA	1123	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	cB	1227	CLA	CAA-CBA-CGA-O2A
14	cB	1231	CLA	CAA-CBA-CGA-O2A
14	c6	501	CLA	CAA-CBA-CGA-O2A
14	S	504	CLA	CAA-CBA-CGA-O1A
18	cA	5003	LHG	C17-C18-C19-C20
14	cB	1217	CLA	CAA-CBA-CGA-O1A
14	cB	1239	CLA	O1A-CGA-O2A-C1
20	b2	822	SQD	O5-C1-O6-C44
14	aB	1206	CLA	C2-C1-O2A-CGA
14	a6	508	CLA	C2-C1-O2A-CGA
14	U	518	CLA	CAA-CBA-CGA-O2A
14	k	506	CLA	CAA-CBA-CGA-O2A
21	a1	5104	LMG	C34-C35-C36-C37
14	a3	519	CLA	CAA-CBA-CGA-O1A
14	b2	501	CLA	CAA-CBA-CGA-O1A
14	c5	510	CLA	CAA-CBA-CGA-O1A
14	X	504	CLA	CAA-CBA-CGA-O1A
20	bB	1852	SQD	O10-C23-C24-C25
14	aA	1133	CLA	CAA-CBA-CGA-O2A
14	cA	1137	CLA	CAA-CBA-CGA-O2A
14	n	509	CLA	CAA-CBA-CGA-O2A
14	aA	1123	CLA	C16-C17-C18-C20
19	bA	1848	LMU	C3-C4-C5-C6
14	aA	1136	CLA	C2A-CAA-CBA-CGA
14	a5	506	CLA	CAA-CBA-CGA-O1A
14	S	519	CLA	CAA-CBA-CGA-O2A
14	a	516	CLA	CAA-CBA-CGA-O2A
14	f	512	CLA	CAA-CBA-CGA-O1A
14	q	518	CLA	CAA-CBA-CGA-O2A
14	b1	501	CLA	CAA-CBA-CGA-O1A
14	b3	501	CLA	CAA-CBA-CGA-O1A
14	c6	503	CLA	C15-C16-C17-C18
14	d	509	CLA	C8-C10-C11-C12
14	aA	1132	CLA	CAA-CBA-CGA-O2A
14	bA	1106	CLA	CAA-CBA-CGA-O2A
14	b6	510	CLA	CAA-CBA-CGA-O2A
14	c1	512	CLA	CAA-CBA-CGA-O2A
14	c2	507	CLA	CAA-CBA-CGA-O2A
14	c3	504	CLA	CAA-CBA-CGA-O2A
14	o	501	CLA	CAA-CBA-CGA-O2A
20	c3	822	SQD	O48-C23-C24-C25
14	b2	509	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	bA	1131	CLA	C16-C17-C18-C20
14	c5	502	CLA	C11-C12-C13-C15
14	W	502	CLA	C11-C12-C13-C15
14	X	505	CLA	C16-C17-C18-C19
14	aA	1140	CLA	O1D-CGD-O2D-CED
14	bA	1137	CLA	CAA-CBA-CGA-O1A
14	cB	1229	CLA	CAA-CBA-CGA-O1A
14	cJ	1302	CLA	CAA-CBA-CGA-O1A
14	W	510	CLA	CAA-CBA-CGA-O1A
18	aA	5001	LHG	O10-C23-C24-C25
14	aA	1138	CLA	C8-C10-C11-C12
14	bA	1104	CLA	CBD-CGD-O2D-CED
14	c4	512	CLA	CBD-CGD-O2D-CED
14	aA	1135	CLA	CAA-CBA-CGA-O2A
14	a3	512	CLA	CAA-CBA-CGA-O2A
14	a4	507	CLA	CAA-CBA-CGA-O2A
14	bB	1219	CLA	CAA-CBA-CGA-O2A
14	b1	510	CLA	CAA-CBA-CGA-O2A
14	b3	519	CLA	CAA-CBA-CGA-O2A
14	cA	1107	CLA	CAA-CBA-CGA-O2A
14	cA	1129	CLA	CAA-CBA-CGA-O2A
14	c1	516	CLA	CAA-CBA-CGA-O2A
18	bA	5003	LHG	O7-C7-C8-C9
20	a4	822	SQD	O48-C23-C24-C25
14	a1	508	CLA	O1A-CGA-O2A-C1
14	b5	509	CLA	C8-C10-C11-C12
14	a4	507	CLA	CAA-CBA-CGA-O1A
14	bA	1121	CLA	CAA-CBA-CGA-O1A
14	c	501	CLA	CAA-CBA-CGA-O1A
18	bA	5001	LHG	O9-C7-C8-C9
18	cA	5001	LHG	O9-C7-C8-C9

There are no ring outliers.

1185 monomers are involved in 3625 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	bL	1503	CLA	3	0
14	cA	1110	CLA	5	0
14	bB	1222	CLA	7	0
14	c3	513	CLA	2	0
17	aM	4021	BCR	5	0
14	c	519	CLA	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
17	Y	521	BCR	3	0
14	aB	1223	CLA	8	0
17	l	524	BCR	2	0
14	c	505	CLA	4	0
14	f	508	CLA	4	0
14	i	508	CLA	3	0
14	c4	506	CLA	4	0
14	p	502	CLA	3	0
14	cA	1139	CLA	3	0
14	cB	1235	CLA	3	0
17	bA	4003	BCR	2	0
17	c2	522	BCR	3	0
17	a4	522	BCR	3	0
14	U	505	CLA	4	0
21	b1	5104	LMG	1	0
14	bA	1102	CLA	5	0
14	aA	1119	CLA	9	0
14	a4	505	CLA	1	0
14	bA	1128	CLA	8	0
14	bB	1219	CLA	1	0
14	cB	1210	CLA	3	0
17	g	523	BCR	4	0
14	e	508	CLA	3	0
21	cB	5002	LMG	1	0
14	aA	1133	CLA	3	0
14	q	516	CLA	1	0
14	b1	503	CLA	7	0
17	o	522	BCR	4	0
14	W	502	CLA	5	0
14	a6	510	CLA	5	0
19	bJ	5105	LMU	1	0
17	c3	521	BCR	4	0
14	cA	1022	CLA	6	0
18	cA	5005	LHG	3	0
17	b3	524	BCR	3	0
20	g	822	SQD	1	0
14	g	512	CLA	4	0
14	S	518	CLA	2	0
14	c	513	CLA	3	0
14	b	510	CLA	3	0
14	c1	509	CLA	6	0
14	b5	502	CLA	6	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
17	c2	523	BCR	2	0
17	bF	4014	BCR	8	0
14	q	513	CLA	2	0
14	c2	509	CLA	3	0
14	aA	1121	CLA	1	0
14	bA	1108	CLA	2	0
14	a2	518	CLA	2	0
14	d	513	CLA	2	0
17	c3	523	BCR	2	0
14	cA	1105	CLA	4	0
17	cB	4004	BCR	2	0
14	bB	1239	CLA	1	0
14	c2	505	CLA	3	0
19	bA	1848	LMU	1	0
14	b4	504	CLA	2	0
14	cB	1221	CLA	9	0
18	bX	4021	LHG	1	0
17	bI	4018	BCR	4	0
14	q	503	CLA	2	0
14	m	502	CLA	3	0
14	k	511	CLA	1	0
17	o	521	BCR	4	0
14	Z	511	CLA	2	0
14	W	510	CLA	3	0
14	a2	505	CLA	6	0
14	U	507	CLA	1	0
14	aA	1116	CLA	8	0
14	a6	501	CLA	3	0
14	cB	1239	CLA	2	0
14	c5	507	CLA	3	0
14	c1	501	CLA	3	0
14	g	518	CLA	1	0
14	l	508	CLA	3	0
14	cA	1113	CLA	4	0
17	g	521	BCR	7	0
14	b1	516	CLA	1	0
14	c3	507	CLA	3	0
17	c	523	BCR	1	0
14	f	512	CLA	1	0
17	b2	522	BCR	3	0
14	b4	518	CLA	3	0
14	W	512	CLA	5	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	g	506	CLA	3	0
14	e	510	CLA	2	0
14	b	509	CLA	3	0
17	b5	523	BCR	5	0
14	b2	508	CLA	3	0
14	b6	518	CLA	1	0
17	b6	521	BCR	1	0
14	c4	517	CLA	2	0
14	aB	1012	CLA	9	0
14	a4	502	CLA	5	0
14	c	518	CLA	2	0
14	b4	519	CLA	2	0
14	U	502	CLA	3	0
14	c3	510	CLA	6	0
14	q	509	CLA	2	0
14	bB	1213	CLA	3	0
14	c2	506	CLA	4	0
14	aA	1134	CLA	2	0
17	b6	524	BCR	4	0
14	l	510	CLA	1	0
20	c	822	SQD	1	0
14	c	501	CLA	1	0
14	cB	1205	CLA	6	0
17	T	522	BCR	2	0
14	Z	503	CLA	3	0
17	bF	4016	BCR	5	0
14	c	516	CLA	1	0
14	n	518	CLA	1	0
14	aA	1111	CLA	2	0
14	cB	1224	CLA	4	0
14	a2	519	CLA	1	0
14	T	508	CLA	4	0
14	a1	509	CLA	3	0
17	h	523	BCR	5	0
14	k	501	CLA	2	0
14	bA	1110	CLA	3	0
14	cB	1203	CLA	5	0
17	d	524	BCR	6	0
14	l	512	CLA	5	0
14	o	503	CLA	3	0
14	S	513	CLA	3	0
17	p	521	BCR	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	bB	1226	CLA	2	0
14	S	502	CLA	2	0
14	b3	510	CLA	4	0
14	m	512	CLA	5	0
14	d	516	CLA	1	0
14	c3	506	CLA	5	0
14	a	502	CLA	2	0
14	c1	502	CLA	4	0
14	c	510	CLA	3	0
14	bB	1227	CLA	5	0
14	W	506	CLA	5	0
18	bA	5001	LHG	4	0
14	aB	1239	CLA	2	0
15	cA	2001	PQN	7	0
14	c	512	CLA	2	0
14	aL	1503	CLA	4	0
14	i	517	CLA	1	0
17	aB	4006	BCR	4	0
14	c4	501	CLA	4	0
14	b6	505	CLA	4	0
17	Z	524	BCR	3	0
14	b5	506	CLA	4	0
14	cB	1209	CLA	3	0
17	j	523	BCR	2	0
17	k	521	BCR	3	0
14	i	511	CLA	2	0
14	p	510	CLA	1	0
14	n	513	CLA	3	0
14	c	506	CLA	5	0
17	m	523	BCR	4	0
17	Y	522	BCR	2	0
14	cA	1138	CLA	3	0
14	a4	512	CLA	5	0
17	cB	4010	BCR	9	0
14	b2	512	CLA	4	0
17	U	523	BCR	4	0
17	X	521	BCR	3	0
17	cA	4002	BCR	6	0
17	j	524	BCR	5	0
14	cB	1207	CLA	7	0
14	aA	1129	CLA	2	0
17	bB	4009	BCR	5	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	X	516	CLA	1	0
14	bA	1122	CLA	5	0
14	l	511	CLA	2	0
14	c2	516	CLA	1	0
17	c5	521	BCR	3	0
17	b4	523	BCR	2	0
14	a	519	CLA	2	0
14	p	506	CLA	2	0
14	aA	1115	CLA	6	0
14	h	509	CLA	3	0
14	j	516	CLA	1	0
17	a3	524	BCR	6	0
17	c1	523	BCR	4	0
18	cA	5003	LHG	1	0
14	p	505	CLA	2	0
14	bA	1116	CLA	3	0
14	b	517	CLA	1	0
14	bA	1130	CLA	2	0
14	f	517	CLA	1	0
14	c5	516	CLA	1	0
21	bJ	5104	LMG	1	0
14	a4	510	CLA	8	0
14	aA	1135	CLA	1	0
14	U	516	CLA	3	0
14	aB	1211	CLA	4	0
18	cA	5004	LHG	4	0
14	a5	519	CLA	3	0
17	b	521	BCR	3	0
17	aJ	4012	BCR	6	0
14	U	504	CLA	1	0
14	o	510	CLA	3	0
14	b3	511	CLA	4	0
17	bL	4022	BCR	7	0
14	h	508	CLA	2	0
14	c6	507	CLA	1	0
14	f	502	CLA	2	0
14	b5	519	CLA	1	0
17	cK	4001	BCR	5	0
17	c2	524	BCR	6	0
14	c6	519	CLA	2	0
14	a1	502	CLA	7	0
14	e	501	CLA	3	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	cA	1801	CLA	1	0
14	c1	516	CLA	3	0
14	c4	503	CLA	7	0
14	T	503	CLA	2	0
17	aA	4011	BCR	4	0
14	i	506	CLA	2	0
17	aB	4009	BCR	6	0
18	bA	5004	LHG	3	0
14	cB	1228	CLA	4	0
17	e	524	BCR	5	0
14	e	507	CLA	1	0
14	cA	1118	CLA	5	0
14	o	506	CLA	5	0
14	c3	518	CLA	1	0
14	o	502	CLA	3	0
14	g	501	CLA	3	0
14	c5	505	CLA	3	0
17	Z	521	BCR	6	0
14	a	509	CLA	3	0
14	bB	1212	CLA	1	0
14	c3	502	CLA	7	0
17	b1	521	BCR	2	0
14	cA	1133	CLA	1	0
14	c1	510	CLA	5	0
14	i	510	CLA	1	0
14	p	518	CLA	2	0
14	c3	503	CLA	7	0
14	n	505	CLA	1	0
14	e	517	CLA	2	0
14	h	501	CLA	3	0
20	a1	822	SQD	1	0
14	bB	1206	CLA	2	0
17	W	524	BCR	8	0
14	g	516	CLA	1	0
14	a5	512	CLA	5	0
14	c1	506	CLA	7	0
14	aA	1128	CLA	8	0
14	a3	508	CLA	6	0
14	q	510	CLA	3	0
14	c1	507	CLA	3	0
14	cA	1116	CLA	4	0
14	l	517	CLA	4	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	a5	506	CLA	5	0
14	o	512	CLA	3	0
17	bB	4004	BCR	4	0
17	c1	522	BCR	3	0
14	c6	512	CLA	4	0
14	a4	511	CLA	2	0
17	cB	4006	BCR	5	0
14	h	510	CLA	2	0
14	k	518	CLA	1	0
14	bB	1012	CLA	7	0
14	T	516	CLA	1	0
17	b4	521	BCR	3	0
14	b5	508	CLA	6	0
14	p	509	CLA	5	0
14	l	502	CLA	4	0
21	aB	5002	LMG	1	0
14	p	512	CLA	5	0
17	g	524	BCR	6	0
14	a3	509	CLA	4	0
14	a2	503	CLA	7	0
14	bA	1125	CLA	4	0
14	b2	511	CLA	2	0
14	c2	508	CLA	4	0
20	aB	1852	SQD	4	0
14	X	507	CLA	3	0
14	aA	1109	CLA	8	0
14	Z	507	CLA	4	0
14	c	508	CLA	4	0
14	a	513	CLA	4	0
14	b2	502	CLA	4	0
17	b3	521	BCR	3	0
14	U	501	CLA	2	0
14	cA	1119	CLA	7	0
14	aB	1206	CLA	3	0
17	U	522	BCR	2	0
14	V	511	CLA	4	0
17	V	521	BCR	2	0
14	bA	1120	CLA	4	0
14	b6	513	CLA	4	0
19	aA	1848	LMU	1	0
17	a	524	BCR	5	0
14	cL	1503	CLA	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	T	511	CLA	3	0
14	c4	518	CLA	1	0
14	i	509	CLA	3	0
17	aA	4003	BCR	2	0
14	c6	518	CLA	1	0
14	bB	1205	CLA	6	0
19	cB	1843	LMU	1	0
14	c2	510	CLA	7	0
14	bB	1211	CLA	5	0
14	aA	1139	CLA	6	0
14	k	502	CLA	1	0
14	X	502	CLA	5	0
17	T	524	BCR	6	0
14	W	505	CLA	6	0
14	Z	502	CLA	3	0
14	a4	509	CLA	7	0
14	n	502	CLA	2	0
14	aB	1222	CLA	6	0
14	bA	1101	CLA	3	0
14	Y	501	CLA	8	0
14	b4	505	CLA	2	0
14	bB	1238	CLA	7	0
14	cB	1211	CLA	6	0
17	b1	523	BCR	3	0
14	q	511	CLA	1	0
14	a4	518	CLA	6	0
17	aA	4002	BCR	8	0
14	a3	518	CLA	3	0
17	aL	4022	BCR	5	0
14	p	513	CLA	2	0
17	aI	4019	BCR	6	0
17	aK	4001	BCR	6	0
14	a6	508	CLA	4	0
14	bA	1011	CLA	5	0
17	cF	4015	BCR	7	0
17	c	521	BCR	6	0
14	j	502	CLA	1	0
14	Y	507	CLA	2	0
14	aA	1124	CLA	3	0
14	a1	507	CLA	5	0
14	cA	1104	CLA	6	0
21	bB	5002	LMG	3	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	bA	1124	CLA	6	0
14	cB	1222	CLA	7	0
14	cB	1217	CLA	3	0
14	cB	1238	CLA	3	0
14	U	508	CLA	3	0
15	bA	2001	PQN	4	0
20	c4	822	SQD	1	0
14	a6	518	CLA	2	0
17	cA	4003	BCR	3	0
14	cB	1232	CLA	3	0
21	aJ	5104	LMG	1	0
14	a3	504	CLA	2	0
20	p	822	SQD	1	0
14	c1	518	CLA	2	0
14	k	513	CLA	4	0
17	c3	522	BCR	2	0
18	aA	5001	LHG	2	0
14	i	513	CLA	3	0
14	X	504	CLA	2	0
14	T	506	CLA	4	0
14	Y	502	CLA	8	0
14	a1	513	CLA	3	0
17	k	523	BCR	4	0
14	aB	1238	CLA	5	0
14	o	501	CLA	3	0
14	c1	503	CLA	6	0
14	bA	1119	CLA	6	0
17	bA	4011	BCR	4	0
14	aB	1216	CLA	3	0
14	bB	1214	CLA	6	0
14	bB	1204	CLA	2	0
14	T	512	CLA	4	0
17	bF	4015	BCR	7	0
14	a4	513	CLA	3	0
14	d	511	CLA	3	0
17	b4	522	BCR	5	0
14	m	519	CLA	3	0
14	c2	511	CLA	2	0
17	c4	522	BCR	4	0
14	c5	513	CLA	2	0
14	Z	518	CLA	1	0
14	bK	1103	CLA	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	b5	504	CLA	1	0
14	b1	506	CLA	6	0
14	X	508	CLA	2	0
14	b4	513	CLA	2	0
14	aA	1131	CLA	5	0
14	b1	505	CLA	4	0
14	a	510	CLA	1	0
14	V	519	CLA	3	0
17	bJ	4013	BCR	10	0
17	e	522	BCR	5	0
17	a2	521	BCR	4	0
14	b	518	CLA	1	0
14	cA	1013	CLA	7	0
14	aB	1209	CLA	3	0
14	b3	518	CLA	2	0
14	b4	502	CLA	7	0
14	S	503	CLA	5	0
14	cA	1136	CLA	2	0
14	Z	510	CLA	5	0
14	aB	1232	CLA	2	0
14	aB	1227	CLA	6	0
14	f	503	CLA	1	0
17	X	523	BCR	3	0
14	n	510	CLA	1	0
14	bB	1236	CLA	4	0
14	e	513	CLA	2	0
17	Z	523	BCR	2	0
14	T	509	CLA	6	0
14	bA	1118	CLA	6	0
17	cA	4008	BCR	9	0
14	aB	1207	CLA	7	0
14	W	511	CLA	2	0
14	aB	1204	CLA	3	0
14	aA	1130	CLA	3	0
17	o	523	BCR	4	0
14	aB	1213	CLA	5	0
14	b4	501	CLA	5	0
14	V	517	CLA	1	0
14	m	509	CLA	5	0
14	bB	1210	CLA	3	0
14	bA	1103	CLA	7	0
17	h	522	BCR	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	Y	512	CLA	2	0
17	cJ	4013	BCR	8	0
14	i	512	CLA	2	0
14	b2	509	CLA	5	0
18	cA	5002	LHG	4	0
14	Z	506	CLA	7	0
17	c5	523	BCR	4	0
14	q	506	CLA	5	0
14	f	505	CLA	1	0
14	V	501	CLA	2	0
14	b	504	CLA	1	0
14	cB	1012	CLA	9	0
14	aB	1226	CLA	3	0
14	g	517	CLA	1	0
14	a5	502	CLA	3	0
14	T	517	CLA	2	0
14	b	513	CLA	3	0
14	bB	1201	CLA	5	0
14	m	507	CLA	2	0
14	b4	510	CLA	6	0
14	bA	1132	CLA	3	0
14	b5	517	CLA	1	0
14	cA	1107	CLA	6	0
14	b6	510	CLA	4	0
14	a3	507	CLA	6	0
14	aB	1236	CLA	3	0
14	Y	510	CLA	5	0
20	S	822	SQD	1	0
14	cB	1226	CLA	4	0
17	b6	523	BCR	2	0
14	d	508	CLA	4	0
14	c2	517	CLA	2	0
14	h	512	CLA	6	0
14	a5	510	CLA	10	0
14	aB	1221	CLA	10	0
17	j	522	BCR	4	0
14	a2	510	CLA	7	0
17	aI	4018	BCR	3	0
14	a	511	CLA	3	0
17	c2	521	BCR	5	0
14	cA	1237	CLA	7	0
17	a5	522	BCR	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
17	bA	4007	BCR	4	0
14	cB	1234	CLA	3	0
14	c	511	CLA	1	0
14	U	509	CLA	4	0
14	p	516	CLA	1	0
14	a	504	CLA	2	0
14	cB	1225	CLA	5	0
14	b1	509	CLA	3	0
14	m	501	CLA	1	0
17	b5	522	BCR	3	0
14	n	511	CLA	4	0
14	b4	503	CLA	6	0
14	S	510	CLA	3	0
14	b1	512	CLA	4	0
17	cF	4016	BCR	6	0
14	bB	1207	CLA	6	0
14	bA	1109	CLA	7	0
17	cA	4011	BCR	4	0
14	Y	503	CLA	9	0
14	c4	511	CLA	3	0
14	V	518	CLA	1	0
14	n	509	CLA	7	0
14	b3	513	CLA	5	0
14	cA	1108	CLA	2	0
14	j	509	CLA	5	0
14	cA	1103	CLA	4	0
17	X	522	BCR	2	0
17	cL	4022	BCR	6	0
14	cB	1201	CLA	3	0
14	a4	508	CLA	5	0
14	c6	513	CLA	4	0
17	aJ	4013	BCR	11	0
14	S	506	CLA	4	0
14	cB	1223	CLA	8	0
17	c5	522	BCR	1	0
14	b6	512	CLA	4	0
14	a2	507	CLA	2	0
20	m	822	SQD	1	0
14	bB	1224	CLA	5	0
17	cI	4020	BCR	1	0
14	b4	506	CLA	5	0
14	Y	513	CLA	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	e	512	CLA	2	0
17	b1	522	BCR	3	0
14	bA	1104	CLA	7	0
14	b6	506	CLA	3	0
14	b6	502	CLA	7	0
14	k	512	CLA	4	0
14	bB	1231	CLA	3	0
17	a4	523	BCR	5	0
17	bA	4008	BCR	10	0
14	b2	517	CLA	1	0
14	h	504	CLA	2	0
14	a2	517	CLA	1	0
14	bJ	1302	CLA	1	0
17	c	524	BCR	6	0
17	cF	4014	BCR	4	0
14	V	504	CLA	1	0
14	d	512	CLA	4	0
14	bA	1115	CLA	4	0
17	c4	521	BCR	6	0
14	b1	513	CLA	4	0
14	q	502	CLA	4	0
14	bB	1217	CLA	2	0
14	a2	511	CLA	3	0
14	m	517	CLA	1	0
17	q	524	BCR	5	0
14	X	501	CLA	4	0
17	b1	524	BCR	5	0
14	k	505	CLA	1	0
17	m	521	BCR	4	0
14	aA	1122	CLA	8	0
14	bB	1216	CLA	2	0
20	a4	822	SQD	2	0
14	Z	505	CLA	5	0
14	j	513	CLA	2	0
15	cB	2002	PQN	8	0
14	S	509	CLA	3	0
14	aA	1013	CLA	9	0
14	S	511	CLA	3	0
14	c5	501	CLA	4	0
14	bA	1022	CLA	6	0
18	bA	5005	LHG	3	0
15	aA	2001	PQN	7	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	cA	1135	CLA	2	0
14	c3	501	CLA	5	0
14	S	512	CLA	2	0
17	Z	522	BCR	3	0
14	c5	508	CLA	4	0
14	aA	1123	CLA	5	0
17	bB	4005	BCR	4	0
21	a1	5104	LMG	1	0
14	cJ	1303	CLA	2	0
20	W	822	SQD	1	0
14	bB	1220	CLA	3	0
14	b6	503	CLA	5	0
17	c1	521	BCR	5	0
14	a5	503	CLA	8	0
14	q	501	CLA	3	0
17	b2	523	BCR	4	0
17	b3	522	BCR	5	0
14	Z	513	CLA	3	0
14	b5	507	CLA	1	0
17	a2	523	BCR	3	0
14	a5	511	CLA	3	0
14	cF	1301	CLA	2	0
14	b	508	CLA	4	0
14	c2	518	CLA	2	0
14	c	509	CLA	8	0
17	c6	521	BCR	4	0
17	b4	524	BCR	4	0
14	cA	1106	CLA	5	0
14	aB	1021	CLA	6	0
14	S	505	CLA	2	0
14	c6	505	CLA	4	0
17	q	523	BCR	3	0
14	c6	503	CLA	6	0
19	aA	1849	LMU	2	0
14	c5	512	CLA	8	0
17	a2	524	BCR	8	0
14	Y	506	CLA	4	0
14	d	519	CLA	1	0
14	k	503	CLA	1	0
14	a1	506	CLA	6	0
14	U	512	CLA	5	0
14	Y	505	CLA	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	a5	513	CLA	2	0
14	b2	519	CLA	1	0
14	b4	517	CLA	1	0
14	aB	1214	CLA	8	0
14	cA	1011	CLA	6	0
17	b3	523	BCR	6	0
14	cA	1137	CLA	7	0
14	a4	506	CLA	3	0
14	cA	1124	CLA	3	0
14	bA	1137	CLA	7	0
14	b2	507	CLA	4	0
14	p	511	CLA	4	0
18	aX	4021	LHG	3	0
14	a3	511	CLA	5	0
14	q	508	CLA	2	0
14	a5	517	CLA	1	0
14	j	503	CLA	1	0
14	c1	512	CLA	3	0
14	aB	1220	CLA	3	0
14	bA	1127	CLA	7	0
17	h	524	BCR	5	0
14	bA	1113	CLA	4	0
14	f	506	CLA	4	0
14	aK	1401	CLA	3	0
14	bB	1228	CLA	2	0
14	c6	502	CLA	6	0
14	o	508	CLA	4	0
14	aA	1120	CLA	5	0
14	cL	1502	CLA	1	0
20	b3	822	SQD	1	0
14	k	509	CLA	3	0
14	i	505	CLA	1	0
17	a6	521	BCR	4	0
14	cA	1117	CLA	10	0
14	c1	505	CLA	6	0
14	b	516	CLA	2	0
14	bB	1218	CLA	4	0
14	d	501	CLA	1	0
17	S	522	BCR	3	0
14	e	502	CLA	4	0
14	aA	1118	CLA	6	0
14	bB	1021	CLA	5	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
17	q	521	BCR	4	0
14	bB	1235	CLA	3	0
14	b3	504	CLA	2	0
14	cK	1103	CLA	1	0
14	a1	512	CLA	5	0
14	X	503	CLA	8	0
17	aF	4015	BCR	5	0
14	U	506	CLA	4	0
14	S	501	CLA	2	0
14	k	508	CLA	1	0
17	bJ	4012	BCR	5	0
17	cI	4018	BCR	5	0
14	aA	1103	CLA	3	0
14	g	513	CLA	1	0
14	p	501	CLA	1	0
14	a	501	CLA	2	0
17	bI	4019	BCR	2	0
14	b6	508	CLA	2	0
14	a3	519	CLA	1	0
14	W	508	CLA	4	0
14	cA	1101	CLA	5	0
19	cA	1848	LMU	1	0
14	c5	503	CLA	5	0
14	b6	501	CLA	1	0
17	p	524	BCR	6	0
14	aB	1228	CLA	3	0
17	V	522	BCR	7	0
14	aK	1103	CLA	1	0
14	a	507	CLA	1	0
14	a1	505	CLA	2	0
14	a5	501	CLA	4	0
17	d	523	BCR	4	0
14	V	508	CLA	6	0
14	cJ	1302	CLA	1	0
17	c6	523	BCR	5	0
14	a5	505	CLA	3	0
14	cB	1212	CLA	2	0
17	l	523	BCR	4	0
14	bB	1225	CLA	7	0
17	W	523	BCR	3	0
14	b	503	CLA	1	0
14	V	513	CLA	5	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	b5	501	CLA	5	0
14	c4	509	CLA	7	0
20	c6	822	SQD	1	0
14	b4	512	CLA	4	0
14	Y	509	CLA	4	0
14	p	517	CLA	2	0
14	a4	517	CLA	1	0
14	a3	502	CLA	7	0
14	aA	1127	CLA	5	0
14	Y	518	CLA	2	0
17	V	523	BCR	3	0
14	a6	507	CLA	3	0
14	cB	1227	CLA	6	0
17	bK	4001	BCR	5	0
17	e	523	BCR	6	0
14	a4	503	CLA	7	0
14	a2	512	CLA	3	0
14	b2	518	CLA	2	0
14	aB	1218	CLA	2	0
14	aB	1210	CLA	3	0
14	bB	1230	CLA	4	0
14	bL	1501	CLA	7	0
14	b2	501	CLA	6	0
17	aA	4007	BCR	5	0
14	cB	1204	CLA	2	0
14	V	512	CLA	4	0
14	cA	1134	CLA	2	0
14	o	509	CLA	2	0
19	cA	1849	LMU	1	0
14	o	511	CLA	4	0
14	T	513	CLA	2	0
17	S	523	BCR	2	0
14	c3	509	CLA	5	0
14	a6	511	CLA	3	0
14	c5	502	CLA	5	0
14	cK	1401	CLA	2	0
14	cA	1129	CLA	5	0
17	n	522	BCR	6	0
14	f	509	CLA	1	0
14	b4	509	CLA	6	0
14	a6	502	CLA	2	0
14	cA	1140	CLA	12	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	n	508	CLA	3	0
14	b6	509	CLA	5	0
17	a1	522	BCR	1	0
14	W	509	CLA	3	0
14	j	508	CLA	4	0
14	bB	1229	CLA	6	0
14	b	501	CLA	2	0
14	g	505	CLA	5	0
20	c1	822	SQD	1	0
14	T	501	CLA	1	0
17	cI	4019	BCR	5	0
14	b3	501	CLA	7	0
14	aB	1205	CLA	6	0
17	a3	523	BCR	3	0
14	c4	513	CLA	3	0
17	a5	521	BCR	4	0
14	c6	506	CLA	5	0
14	bX	1401	CLA	2	0
14	e	509	CLA	3	0
14	cB	1220	CLA	3	0
14	aB	1224	CLA	6	0
17	n	523	BCR	3	0
14	b	507	CLA	1	0
14	a4	501	CLA	6	0
14	cA	1112	CLA	3	0
14	b3	507	CLA	5	0
17	X	524	BCR	4	0
14	m	513	CLA	2	0
14	aA	1104	CLA	4	0
14	m	506	CLA	4	0
14	n	512	CLA	5	0
17	U	524	BCR	5	0
14	cA	1111	CLA	2	0
14	V	506	CLA	5	0
14	cB	1023	CLA	8	0
14	b2	505	CLA	2	0
14	bB	1202	CLA	2	0
14	l	509	CLA	4	0
14	b2	503	CLA	8	0
14	h	517	CLA	1	0
20	Z	822	SQD	1	0
19	cJ	5105	LMU	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
17	a	523	BCR	4	0
17	c5	524	BCR	6	0
14	bA	1131	CLA	2	0
14	a	503	CLA	5	0
17	d	521	BCR	4	0
14	b3	517	CLA	2	0
20	n	822	SQD	1	0
17	bB	4017	BCR	8	0
14	a1	518	CLA	1	0
17	b2	521	BCR	5	0
14	Z	516	CLA	1	0
14	q	504	CLA	1	0
14	bA	1237	CLA	4	0
14	f	504	CLA	2	0
14	j	512	CLA	3	0
14	cA	1109	CLA	7	0
14	a6	504	CLA	2	0
14	bB	1209	CLA	4	0
14	aX	1401	CLA	1	0
16	aA	3001	SF4	1	0
14	V	503	CLA	3	0
17	a2	522	BCR	2	0
17	cB	4009	BCR	5	0
14	b	502	CLA	5	0
14	a2	508	CLA	2	0
14	c1	513	CLA	4	0
14	b3	502	CLA	4	0
14	bA	1138	CLA	6	0
14	T	505	CLA	1	0
14	aA	1022	CLA	7	0
19	aJ	5105	LMU	1	0
14	cA	1130	CLA	2	0
17	Y	523	BCR	5	0
14	b5	518	CLA	2	0
14	q	517	CLA	2	0
14	h	511	CLA	4	0
17	aB	4010	BCR	10	0
14	aA	1117	CLA	9	0
14	a1	510	CLA	2	0
14	X	509	CLA	2	0
14	m	511	CLA	1	0
14	a3	506	CLA	6	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	aB	1202	CLA	1	0
14	aB	1215	CLA	3	0
14	q	505	CLA	2	0
17	Y	524	BCR	5	0
20	Y	822	SQD	1	0
14	a4	507	CLA	3	0
17	a4	521	BCR	2	0
14	b1	511	CLA	4	0
14	c5	509	CLA	5	0
17	aI	4020	BCR	1	0
14	X	506	CLA	4	0
14	c4	505	CLA	2	0
14	b6	516	CLA	2	0
17	a3	521	BCR	4	0
14	cA	1122	CLA	6	0
14	W	504	CLA	1	0
14	X	505	CLA	4	0
14	aA	1136	CLA	1	0
14	n	506	CLA	2	0
17	bM	4021	BCR	6	0
14	f	510	CLA	1	0
20	cB	1852	SQD	3	0
17	cB	4017	BCR	6	0
14	bB	1208	CLA	7	0
14	b5	509	CLA	2	0
14	aA	1137	CLA	7	0
14	k	517	CLA	1	0
14	bB	1234	CLA	4	0
14	j	511	CLA	3	0
14	c6	509	CLA	3	0
14	m	505	CLA	2	0
14	b5	512	CLA	6	0
14	V	516	CLA	1	0
14	c6	511	CLA	2	0
14	aF	1301	CLA	3	0
14	a1	503	CLA	7	0
14	W	518	CLA	3	0
14	g	508	CLA	3	0
14	b6	519	CLA	4	0
17	S	524	BCR	3	0
14	aA	1132	CLA	4	0
14	X	510	CLA	3	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
17	W	521	BCR	3	0
14	cA	1120	CLA	5	0
17	a1	521	BCR	2	0
14	aA	1113	CLA	3	0
14	bA	1106	CLA	6	0
14	aB	1235	CLA	4	0
14	aB	1231	CLA	3	0
17	a	522	BCR	2	0
14	aL	1502	CLA	1	0
14	bA	1139	CLA	4	0
17	f	521	BCR	4	0
14	c5	504	CLA	3	0
17	c4	524	BCR	9	0
17	i	521	BCR	4	0
17	aB	4017	BCR	6	0
20	b4	822	SQD	2	0
17	b6	522	BCR	3	0
14	cA	1128	CLA	7	0
14	e	511	CLA	2	0
14	p	508	CLA	5	0
14	bA	1140	CLA	11	0
14	X	512	CLA	2	0
14	d	502	CLA	3	0
14	c3	504	CLA	2	0
14	aB	1217	CLA	2	0
14	f	516	CLA	1	0
14	U	510	CLA	2	0
14	cB	1208	CLA	4	0
14	cB	1236	CLA	6	0
14	i	507	CLA	1	0
17	bA	4002	BCR	5	0
17	m	524	BCR	6	0
14	k	519	CLA	1	0
14	q	519	CLA	1	0
14	g	510	CLA	2	0
14	bA	1135	CLA	3	0
14	b1	501	CLA	5	0
14	j	519	CLA	2	0
14	S	517	CLA	1	0
14	a6	509	CLA	5	0
14	h	502	CLA	2	0
14	bB	1221	CLA	12	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
17	d	522	BCR	4	0
17	l	521	BCR	4	0
17	c6	522	BCR	3	0
14	V	502	CLA	3	0
14	c3	512	CLA	5	0
14	Z	512	CLA	6	0
14	c1	517	CLA	2	0
14	c4	508	CLA	7	0
14	cB	1214	CLA	5	0
14	Y	508	CLA	1	0
14	aA	1108	CLA	2	0
14	e	505	CLA	3	0
14	cA	1102	CLA	7	0
14	a3	505	CLA	2	0
17	h	521	BCR	7	0
14	c6	501	CLA	7	0
14	b5	513	CLA	2	0
17	aB	4005	BCR	4	0
14	a6	506	CLA	5	0
14	a	518	CLA	4	0
21	b2	5104	LMG	1	0
17	c1	524	BCR	7	0
14	c2	513	CLA	2	0
17	c4	523	BCR	2	0
14	cA	1132	CLA	3	0
17	aF	4014	BCR	4	0
14	T	502	CLA	4	0
14	aA	1138	CLA	4	0
14	a5	507	CLA	4	0
14	b1	517	CLA	1	0
14	a3	513	CLA	2	0
17	T	521	BCR	2	0
17	p	523	BCR	2	0
17	a6	522	BCR	1	0
14	S	508	CLA	7	0
14	X	511	CLA	2	0
14	Z	509	CLA	6	0
14	c2	503	CLA	5	0
14	c1	508	CLA	6	0
14	a4	519	CLA	3	0
14	e	506	CLA	4	0
17	b	522	BCR	4	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
18	bA	5003	LHG	2	0
14	aA	1110	CLA	3	0
14	a6	513	CLA	3	0
14	c5	511	CLA	2	0
14	b3	509	CLA	4	0
14	a	512	CLA	2	0
14	bA	1133	CLA	2	0
14	aA	1101	CLA	5	0
17	n	524	BCR	6	0
14	aB	1230	CLA	5	0
14	U	511	CLA	1	0
14	bA	1013	CLA	9	0
14	c3	511	CLA	5	0
14	c2	507	CLA	2	0
14	l	505	CLA	2	0
17	a6	523	BCR	3	0
14	a	506	CLA	4	0
18	bA	5002	LHG	2	0
14	c	517	CLA	1	0
14	bA	1112	CLA	3	0
14	g	511	CLA	3	0
17	a3	522	BCR	4	0
14	cA	1123	CLA	2	0
14	cA	1125	CLA	3	0
14	b2	516	CLA	2	0
14	bA	1123	CLA	5	0
14	h	519	CLA	2	0
17	i	523	BCR	3	0
14	cA	1115	CLA	3	0
14	d	510	CLA	4	0
17	c3	524	BCR	6	0
20	c5	822	SQD	1	0
17	b	523	BCR	3	0
14	c6	510	CLA	8	0
14	cX	1401	CLA	2	0
14	b5	503	CLA	9	0
14	bA	1126	CLA	11	0
14	a	505	CLA	5	0
14	U	513	CLA	3	0
14	c4	512	CLA	4	0
17	a6	524	BCR	7	0
14	b2	510	CLA	5	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
17	aB	4004	BCR	3	0
14	c	502	CLA	2	0
14	a1	508	CLA	3	0
14	Z	501	CLA	4	0
14	i	501	CLA	1	0
15	aB	2002	PQN	8	0
17	W	522	BCR	1	0
18	cX	4021	LHG	2	0
14	b6	511	CLA	2	0
14	aA	1105	CLA	4	0
14	Y	511	CLA	1	0
14	i	518	CLA	1	0
14	b5	505	CLA	4	0
14	V	510	CLA	3	0
14	n	501	CLA	2	0
14	j	501	CLA	1	0
14	a1	501	CLA	3	0
17	bB	4010	BCR	11	0
14	cB	1218	CLA	3	0
14	c1	504	CLA	1	0
14	a3	512	CLA	3	0
14	aJ	1302	CLA	1	0
14	l	519	CLA	2	0
14	a2	513	CLA	3	0
14	b2	506	CLA	5	0
14	d	503	CLA	2	0
14	a2	502	CLA	6	0
14	bA	1136	CLA	2	0
17	aA	4008	BCR	8	0
17	a5	523	BCR	5	0
19	aB	1843	LMU	2	0
19	bB	1843	LMU	2	0
17	o	524	BCR	6	0
14	cB	1230	CLA	4	0
17	l	522	BCR	7	0
14	a6	512	CLA	3	0
17	b5	524	BCR	6	0
14	cB	1229	CLA	5	0
14	h	518	CLA	1	0
14	j	510	CLA	1	0
14	cL	1501	CLA	6	0
14	W	501	CLA	6	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	b	512	CLA	3	0
14	a6	505	CLA	5	0
18	aA	5004	LHG	4	0
14	aA	1237	CLA	6	0
14	a6	503	CLA	3	0
14	cA	1126	CLA	9	0
14	a5	508	CLA	7	0
14	c2	501	CLA	4	0
14	bB	1203	CLA	6	0
14	a3	510	CLA	4	0
14	b	506	CLA	2	0
14	c4	519	CLA	1	0
17	bB	4006	BCR	6	0
14	b	505	CLA	3	0
14	X	519	CLA	1	0
14	o	518	CLA	2	0
14	b1	508	CLA	6	0
14	V	509	CLA	2	0
14	c3	508	CLA	4	0
14	b4	511	CLA	2	0
14	c5	510	CLA	3	0
14	cB	1206	CLA	6	0
14	c6	508	CLA	5	0
14	j	506	CLA	4	0
14	c5	519	CLA	3	0
20	bB	1852	SQD	3	0
14	c5	506	CLA	5	0
14	bA	1107	CLA	6	0
14	aA	1107	CLA	9	0
14	b1	507	CLA	4	0
17	n	521	BCR	6	0
14	o	505	CLA	1	0
14	bL	1502	CLA	2	0
17	j	521	BCR	3	0
14	f	501	CLA	2	0
14	c3	505	CLA	4	0
14	aA	1102	CLA	6	0
17	m	522	BCR	3	0
14	c4	507	CLA	3	0
14	W	513	CLA	4	0
14	a3	503	CLA	7	0
14	m	508	CLA	4	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	b3	512	CLA	4	0
14	aL	1501	CLA	6	0
14	bF	1301	CLA	3	0
14	bA	1134	CLA	3	0
14	c2	502	CLA	5	0
14	aB	1203	CLA	5	0
14	f	513	CLA	1	0
14	aB	1229	CLA	4	0
17	a5	524	BCR	9	0
14	p	507	CLA	1	0
14	aB	1023	CLA	9	0
14	b3	505	CLA	4	0
14	bA	1111	CLA	3	0
14	b3	508	CLA	4	0
14	c1	511	CLA	3	0
14	W	503	CLA	7	0
14	cA	1127	CLA	6	0
14	b1	502	CLA	6	0
17	b5	521	BCR	3	0
17	c6	524	BCR	3	0
14	d	518	CLA	3	0
15	bB	2002	PQN	8	0
17	k	524	BCR	7	0
14	c4	502	CLA	5	0
14	l	518	CLA	1	0
14	b4	507	CLA	3	0
17	aF	4016	BCR	5	0
17	cA	4007	BCR	4	0
14	l	506	CLA	1	0
17	b2	524	BCR	4	0
14	aA	1125	CLA	5	0
17	c	522	BCR	4	0
17	cM	4021	BCR	4	0
14	h	513	CLA	3	0
17	e	521	BCR	4	0
17	T	523	BCR	4	0
14	b5	510	CLA	4	0
14	cB	1202	CLA	2	0
14	cB	1215	CLA	3	0
14	cB	1021	CLA	5	0
17	V	524	BCR	8	0
14	d	517	CLA	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	a3	501	CLA	5	0
14	a2	506	CLA	4	0
17	S	521	BCR	3	0
14	h	506	CLA	3	0
14	Z	508	CLA	5	0
14	b	511	CLA	3	0
14	f	511	CLA	1	0
14	b3	506	CLA	4	0
17	p	522	BCR	4	0
14	T	518	CLA	1	0
21	a2	5104	LMG	1	0
14	a	508	CLA	4	0
14	i	502	CLA	1	0
14	X	518	CLA	1	0
14	aB	1225	CLA	9	0
14	c2	512	CLA	5	0
17	b	524	BCR	4	0
14	bB	1023	CLA	7	0
14	cB	1231	CLA	4	0
14	aA	1106	CLA	8	0
14	b3	503	CLA	7	0
17	cJ	4012	BCR	3	0
14	bA	1129	CLA	2	0
14	a2	501	CLA	6	0
18	cA	5001	LHG	4	0
14	l	513	CLA	2	0
14	a2	509	CLA	3	0
14	cB	1213	CLA	3	0
14	c5	518	CLA	1	0
17	a4	524	BCR	8	0
14	d	505	CLA	4	0
14	U	518	CLA	1	0
14	q	518	CLA	1	0
14	aB	1212	CLA	1	0
17	U	521	BCR	2	0
14	b2	513	CLA	2	0
14	b1	518	CLA	2	0
14	aA	1011	CLA	6	0
17	k	522	BCR	3	0
17	q	522	BCR	3	0
17	a1	523	BCR	3	0
20	a3	822	SQD	1	0

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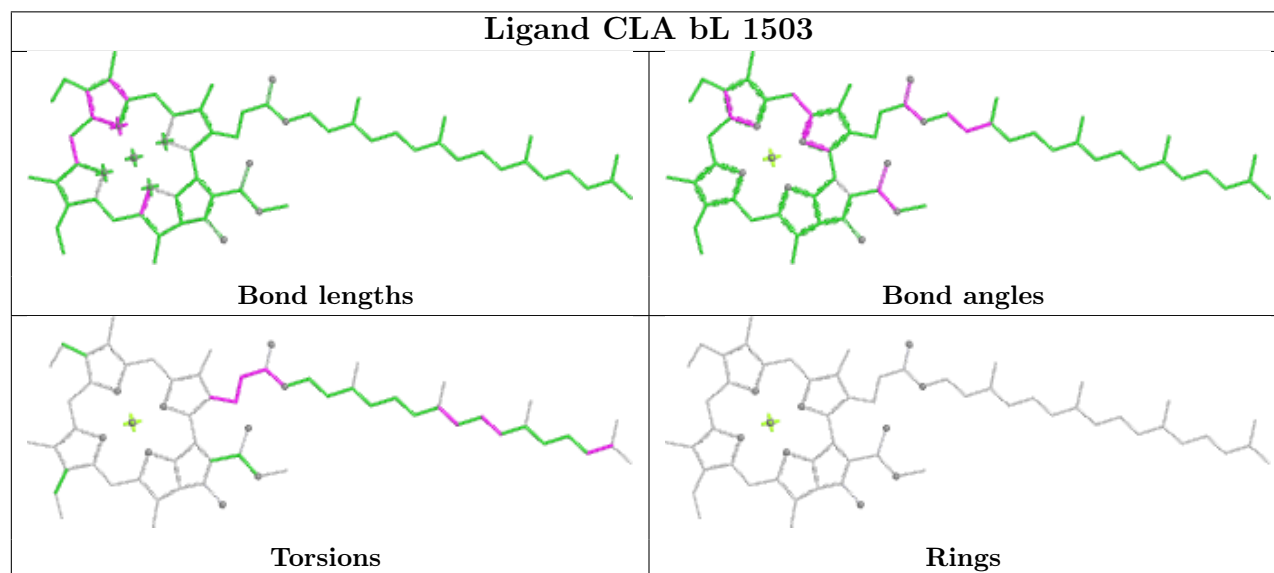
Mol	Chain	Res	Type	Clashes	Symm-Clashes
17	f	522	BCR	5	0
14	n	519	CLA	2	0
14	aB	1201	CLA	4	0
17	i	522	BCR	4	0
14	bB	1223	CLA	7	0
14	cB	1216	CLA	2	0
18	aA	5003	LHG	2	0
14	a1	511	CLA	3	0
14	b4	508	CLA	3	0
14	aB	1208	CLA	6	0
14	aA	1140	CLA	11	0
14	aB	1234	CLA	2	0
14	g	502	CLA	3	0
14	a5	509	CLA	2	0
17	bI	4020	BCR	3	0
14	V	505	CLA	6	0
14	j	518	CLA	1	0
14	cA	1131	CLA	2	0
14	bA	1117	CLA	7	0
14	bB	1232	CLA	3	0
17	a1	524	BCR	6	0
17	a	521	BCR	4	0
14	n	504	CLA	1	0
17	f	524	BCR	3	0
14	X	513	CLA	3	0
17	i	524	BCR	4	0
17	f	523	BCR	1	0
14	c4	510	CLA	4	0
14	bA	1105	CLA	3	0
14	b5	511	CLA	3	0
14	k	506	CLA	3	0
14	c1	519	CLA	1	0
14	a1	516	CLA	3	0
14	b6	507	CLA	2	0
18	aA	5002	LHG	3	0
14	b1	510	CLA	3	0
14	bK	1401	CLA	2	0
14	aA	1112	CLA	3	0
14	aA	1126	CLA	11	0
18	aA	5005	LHG	2	0
17	cB	4005	BCR	3	0
14	q	512	CLA	1	0

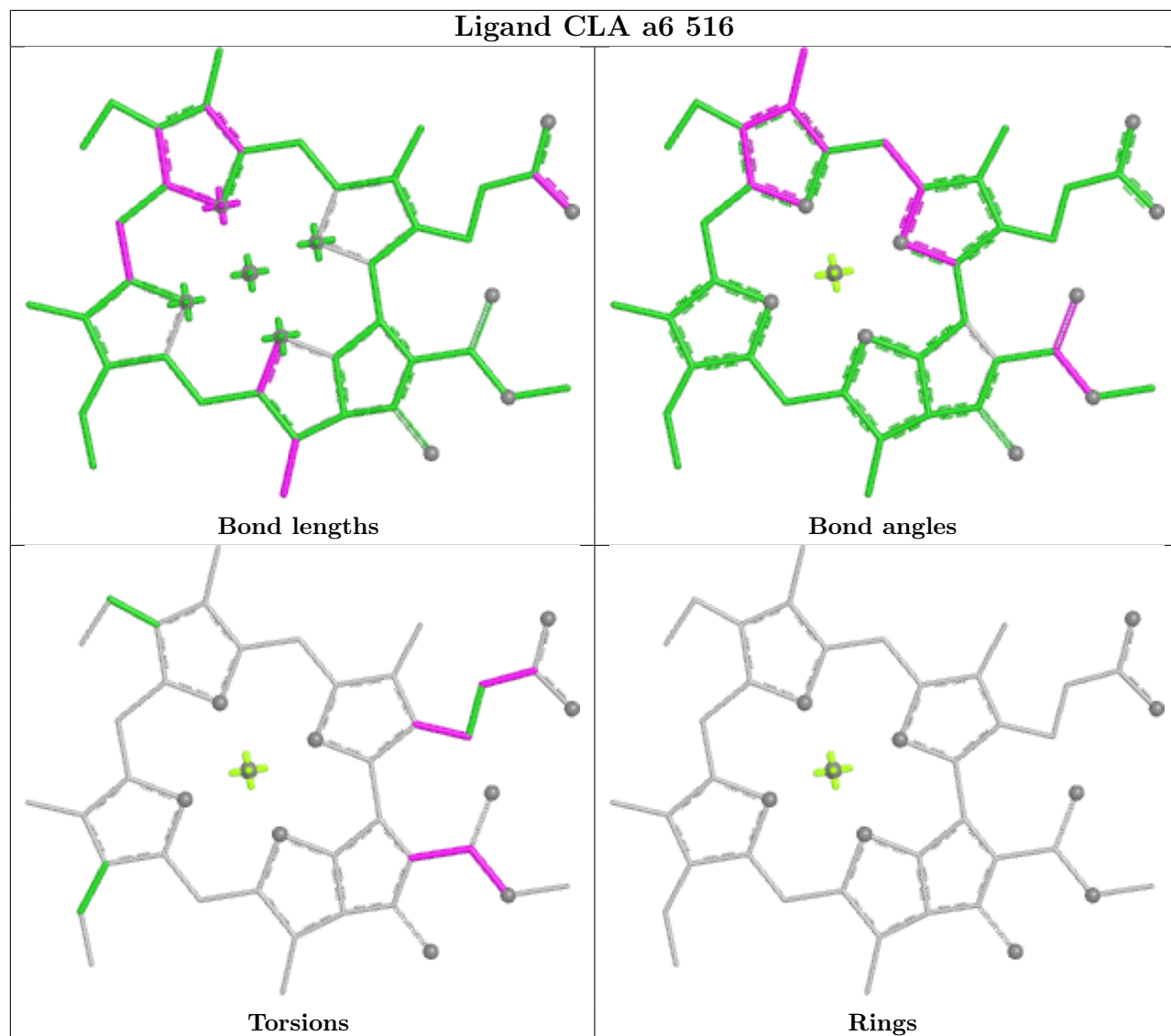
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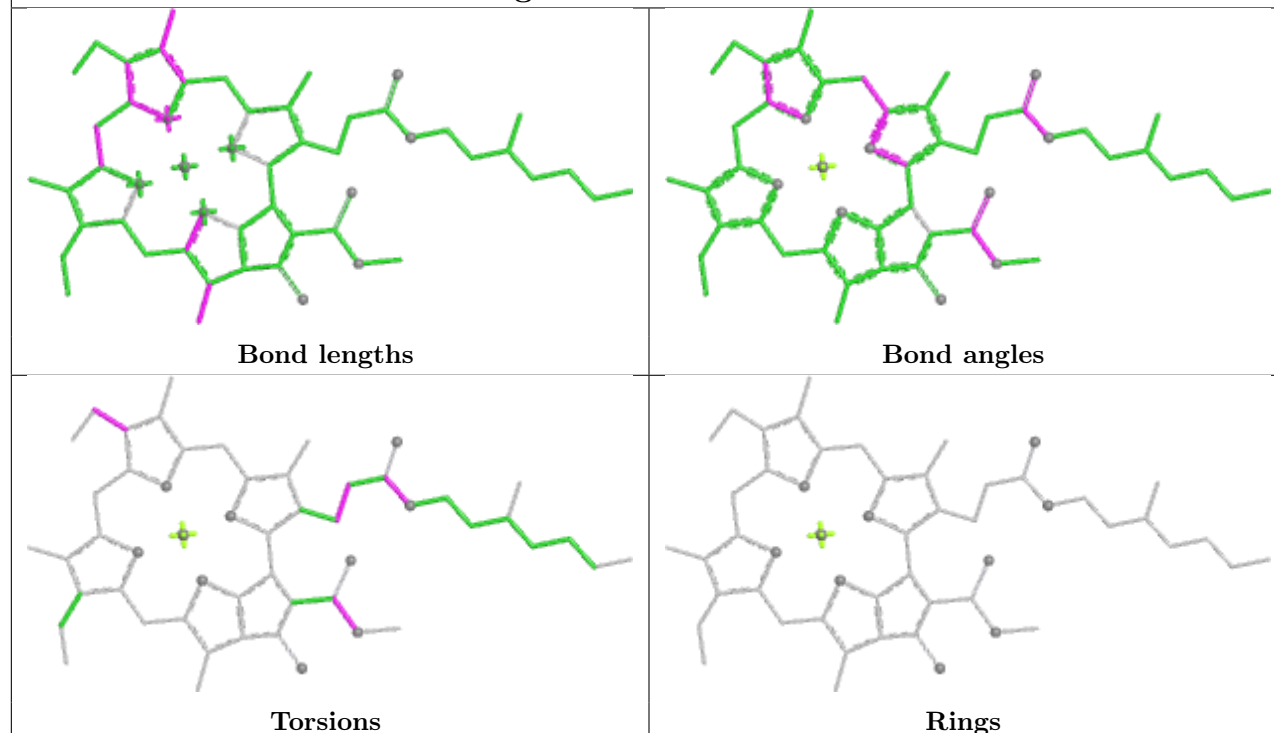
Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	o	513	CLA	3	0
14	d	509	CLA	4	0
17	g	522	BCR	5	0

The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less than 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.

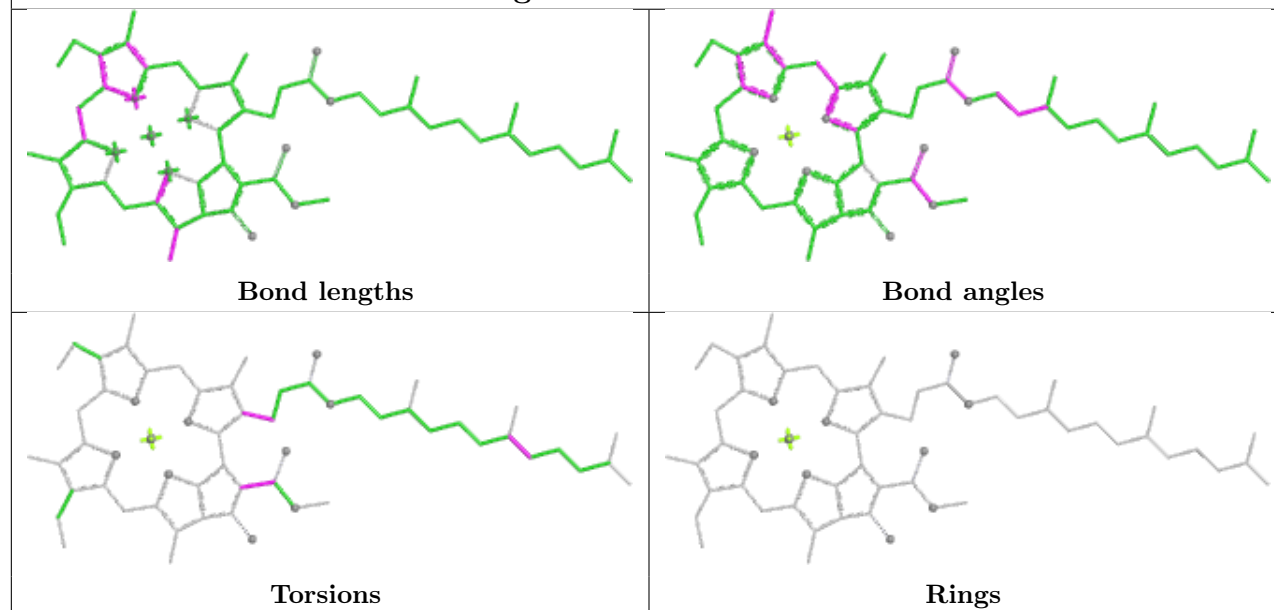


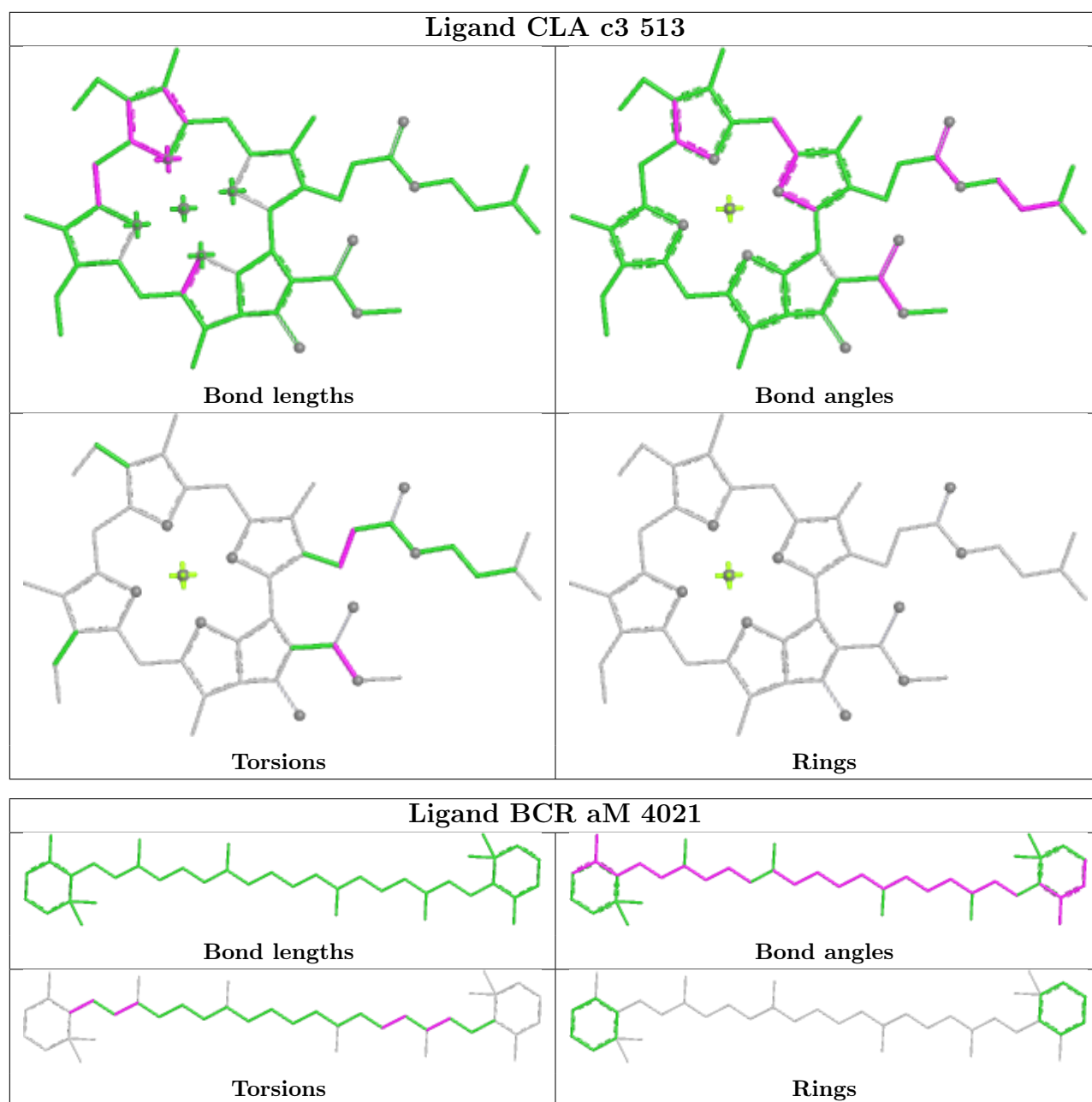


Ligand CLA cA 1110

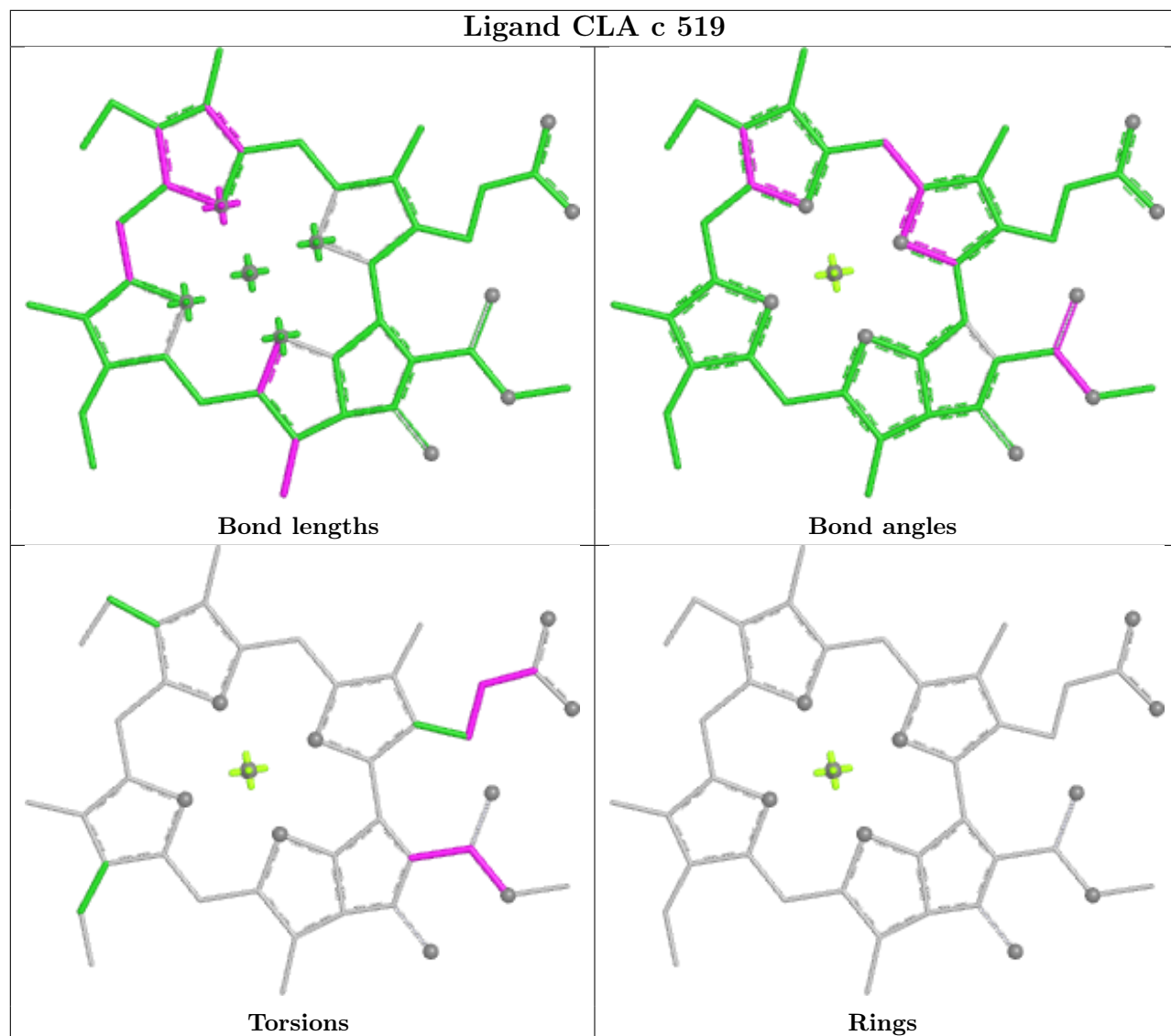


Ligand CLA bB 1222

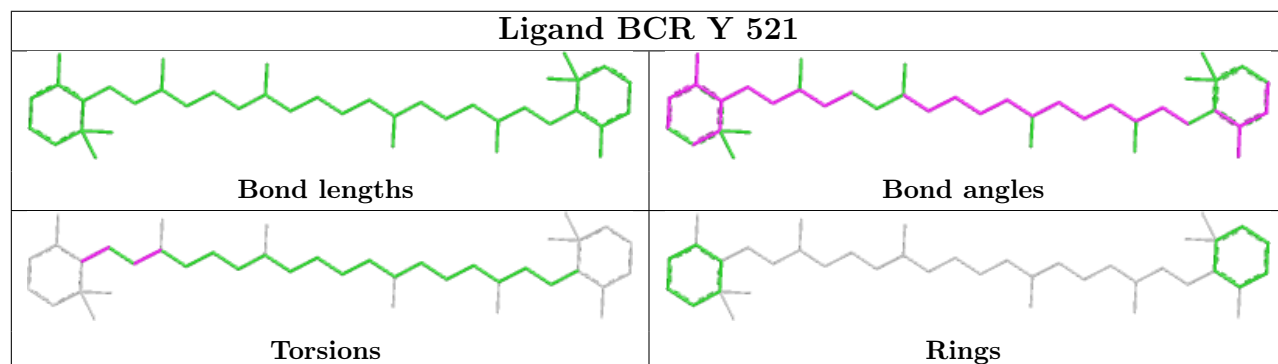


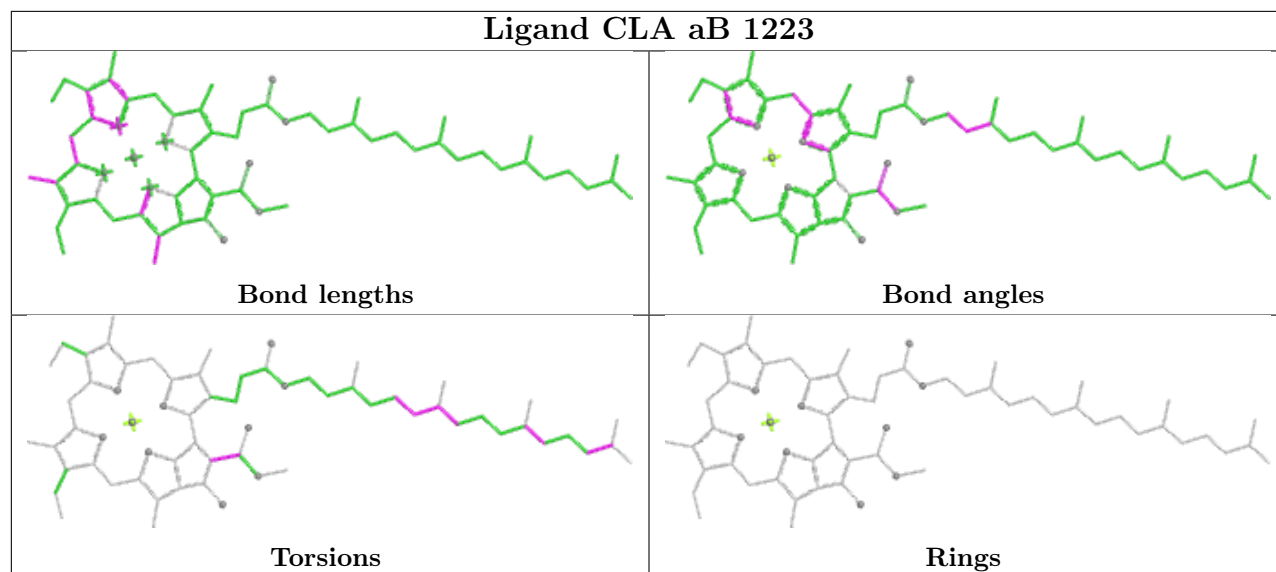
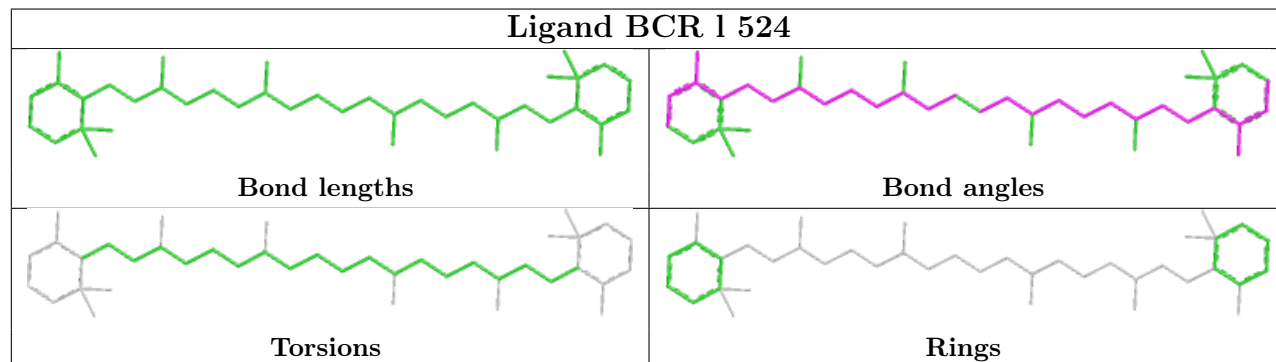
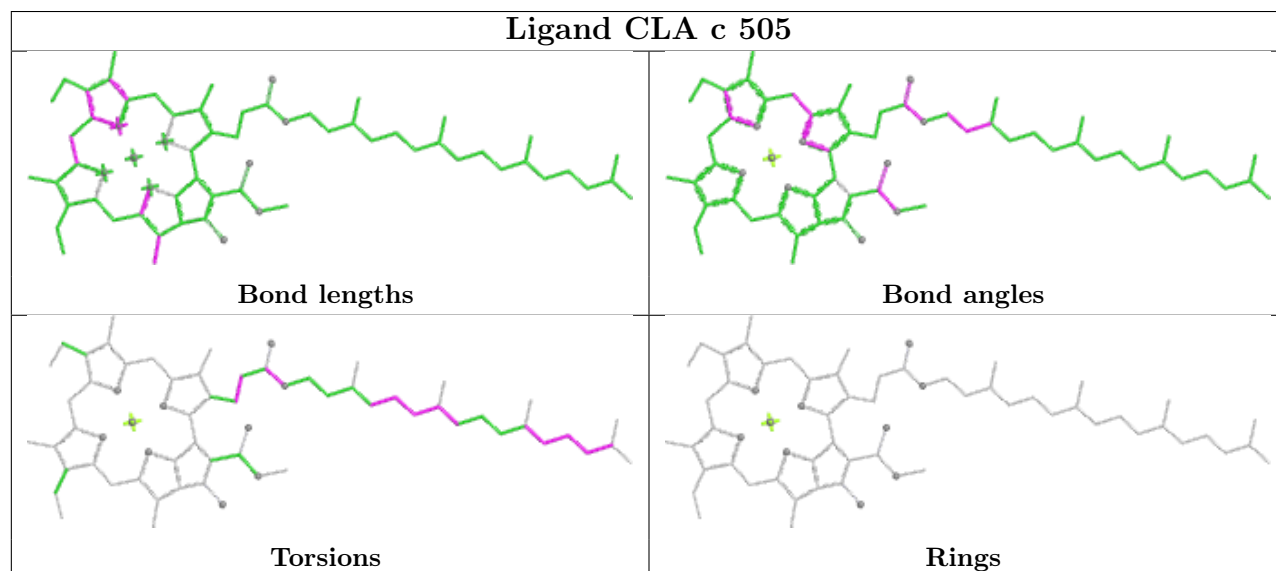


Ligand CLA c 519

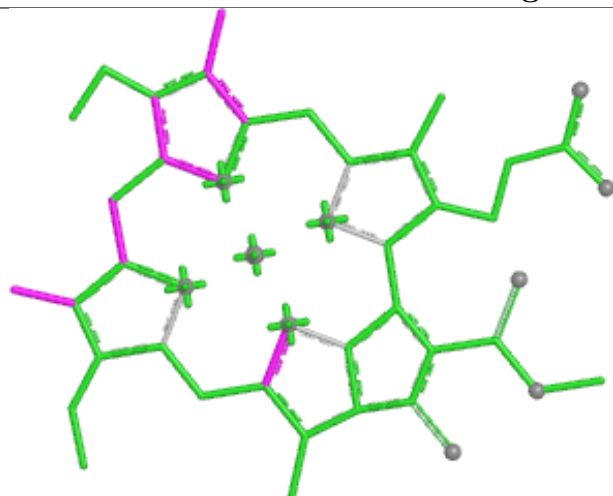


Ligand BCR Y 521



Ligand CLA aB 1223**Ligand BCR 1 524****Ligand CLA c 505**

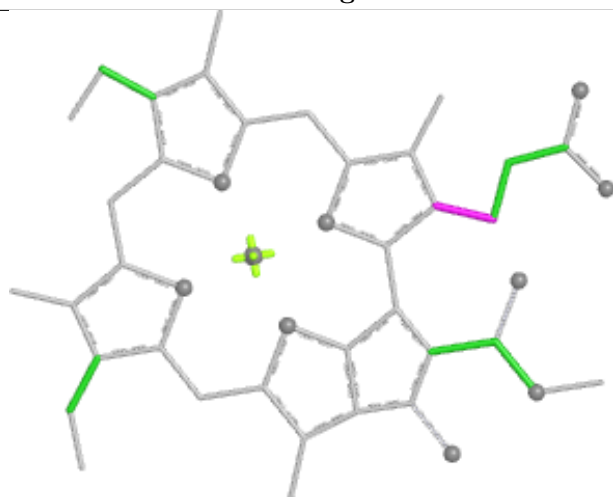
Ligand CLA f 508



Bond lengths



Bond angles

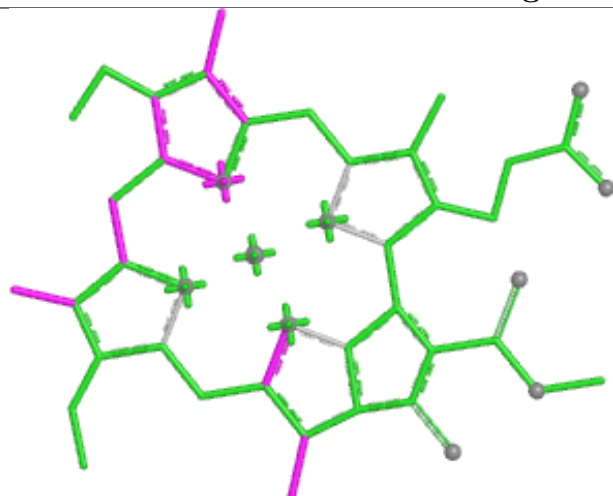


Torsions

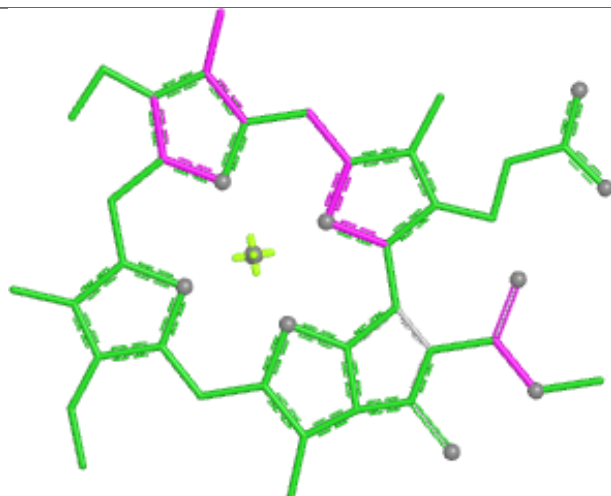


Rings

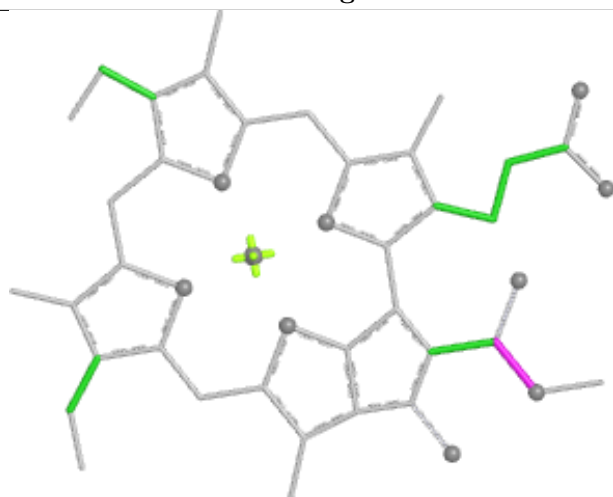
Ligand CLA i 508



Bond lengths



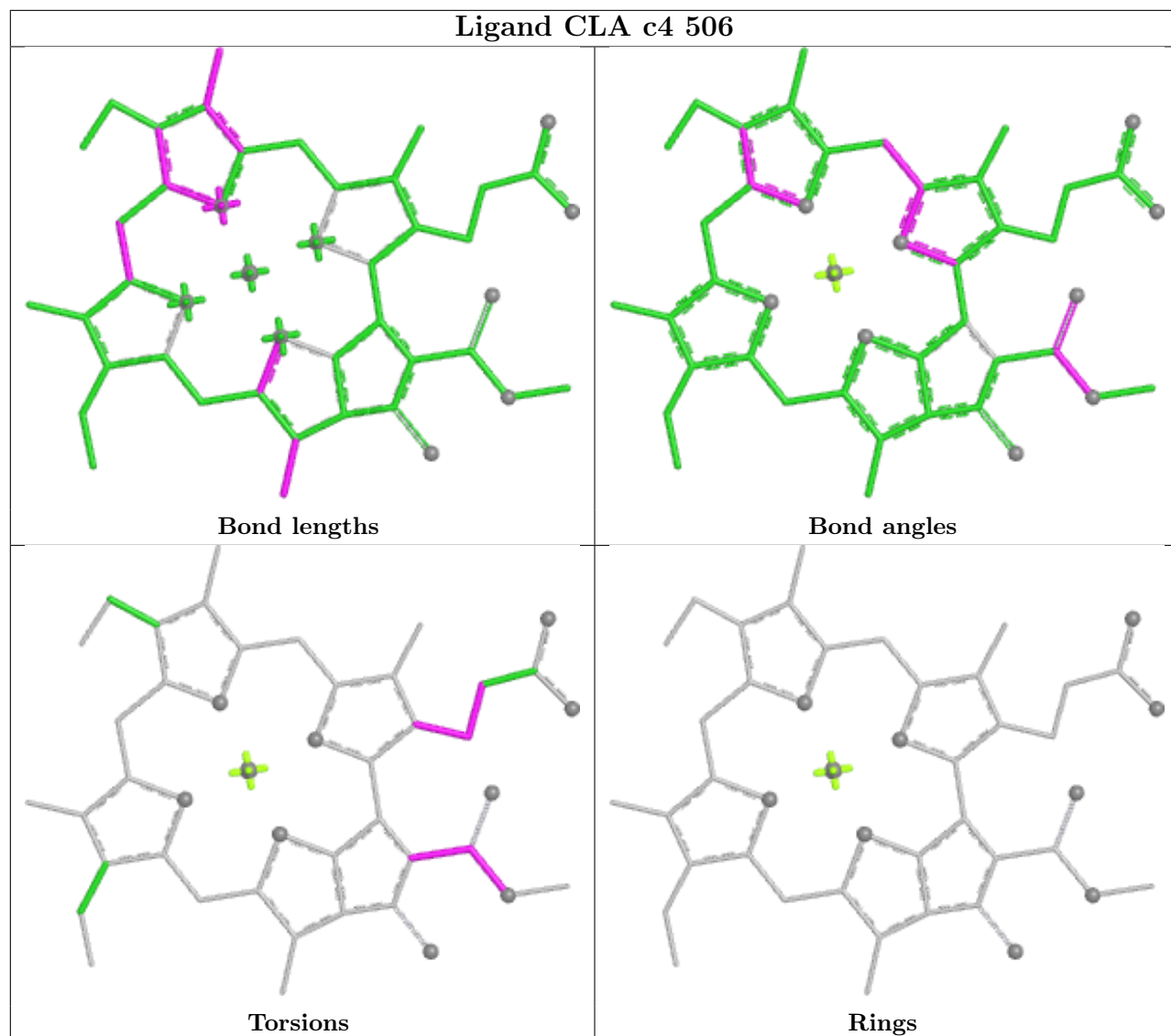
Bond angles



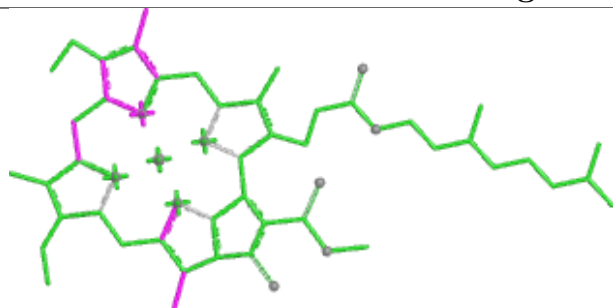
Torsions



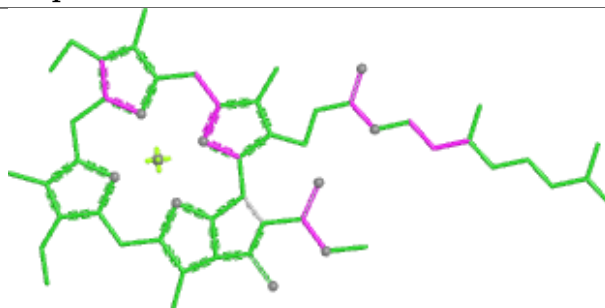
Rings



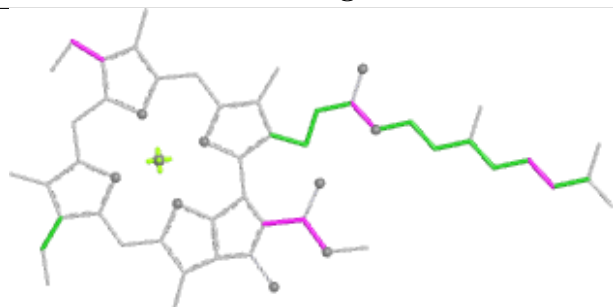
Ligand CLA p 502



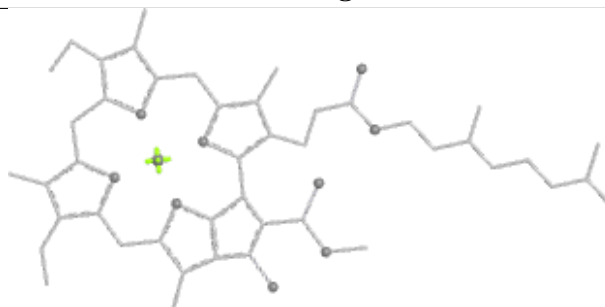
Bond lengths



Bond angles

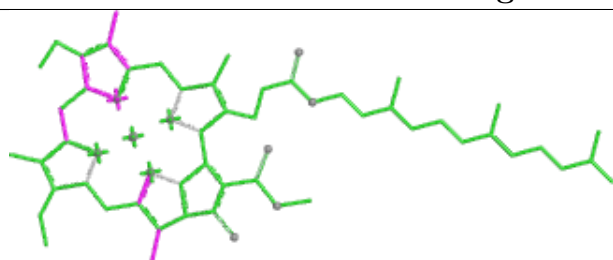


Torsions

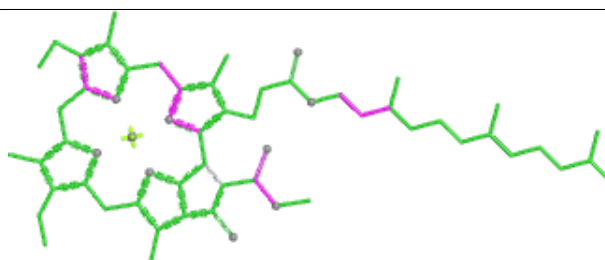


Rings

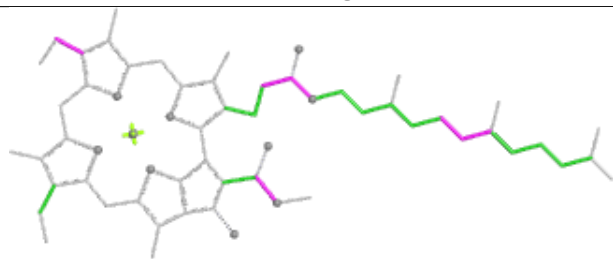
Ligand CLA cA 1139



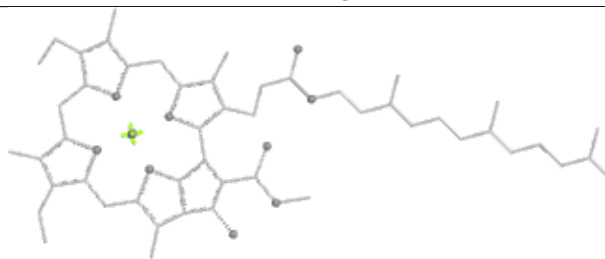
Bond lengths



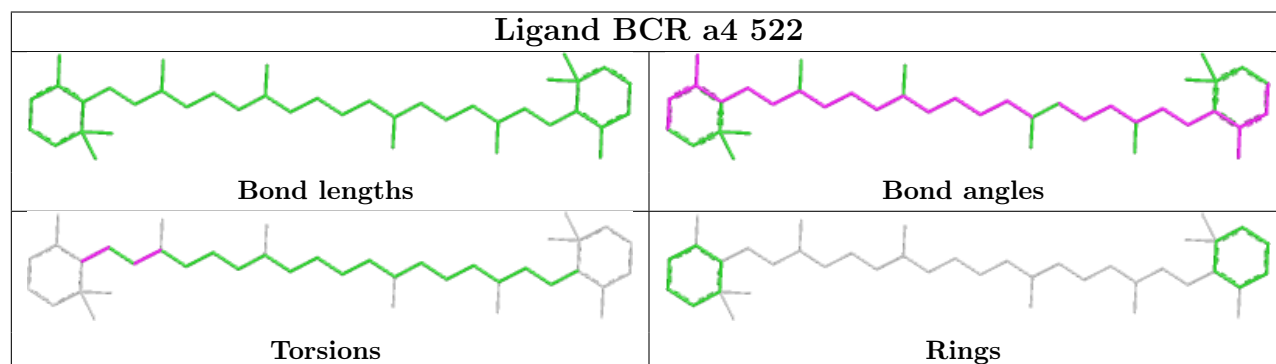
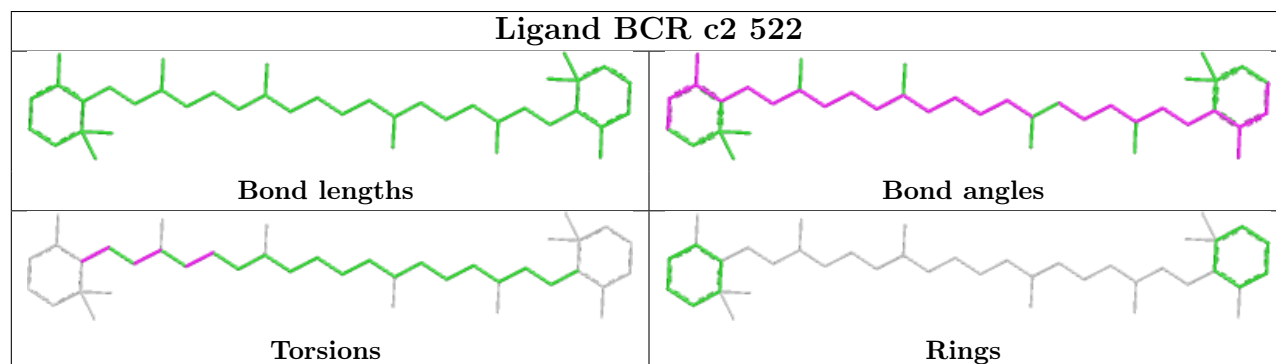
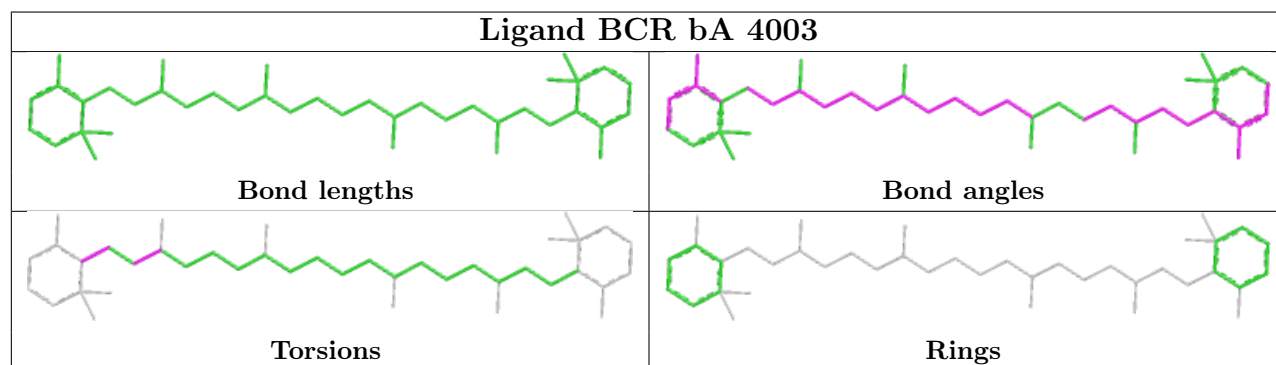
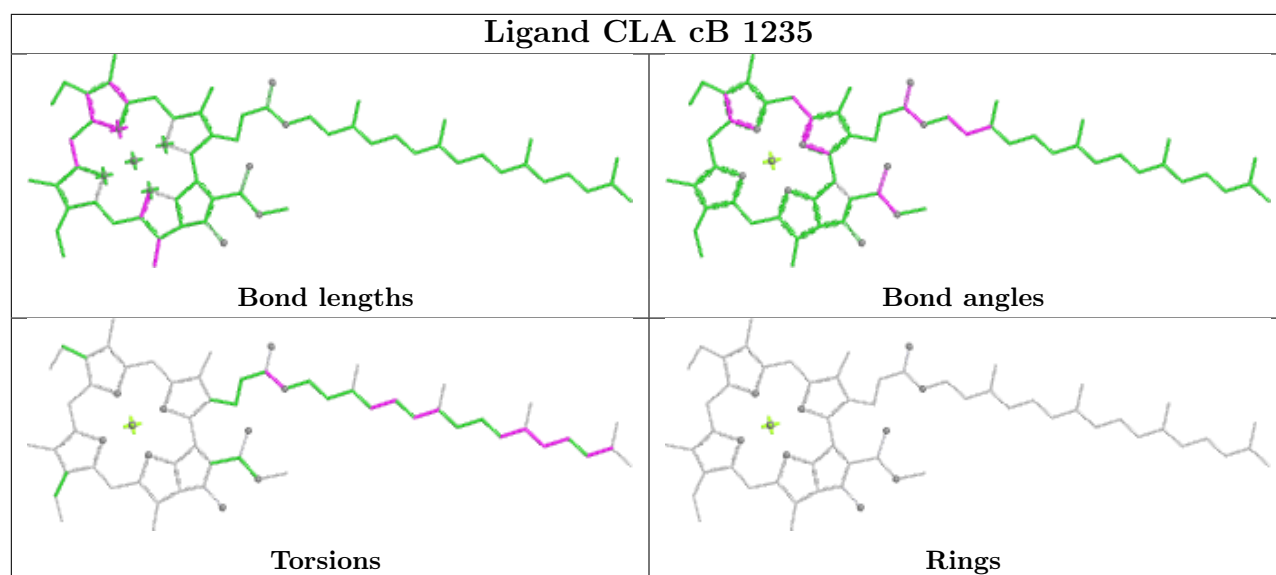
Bond angles

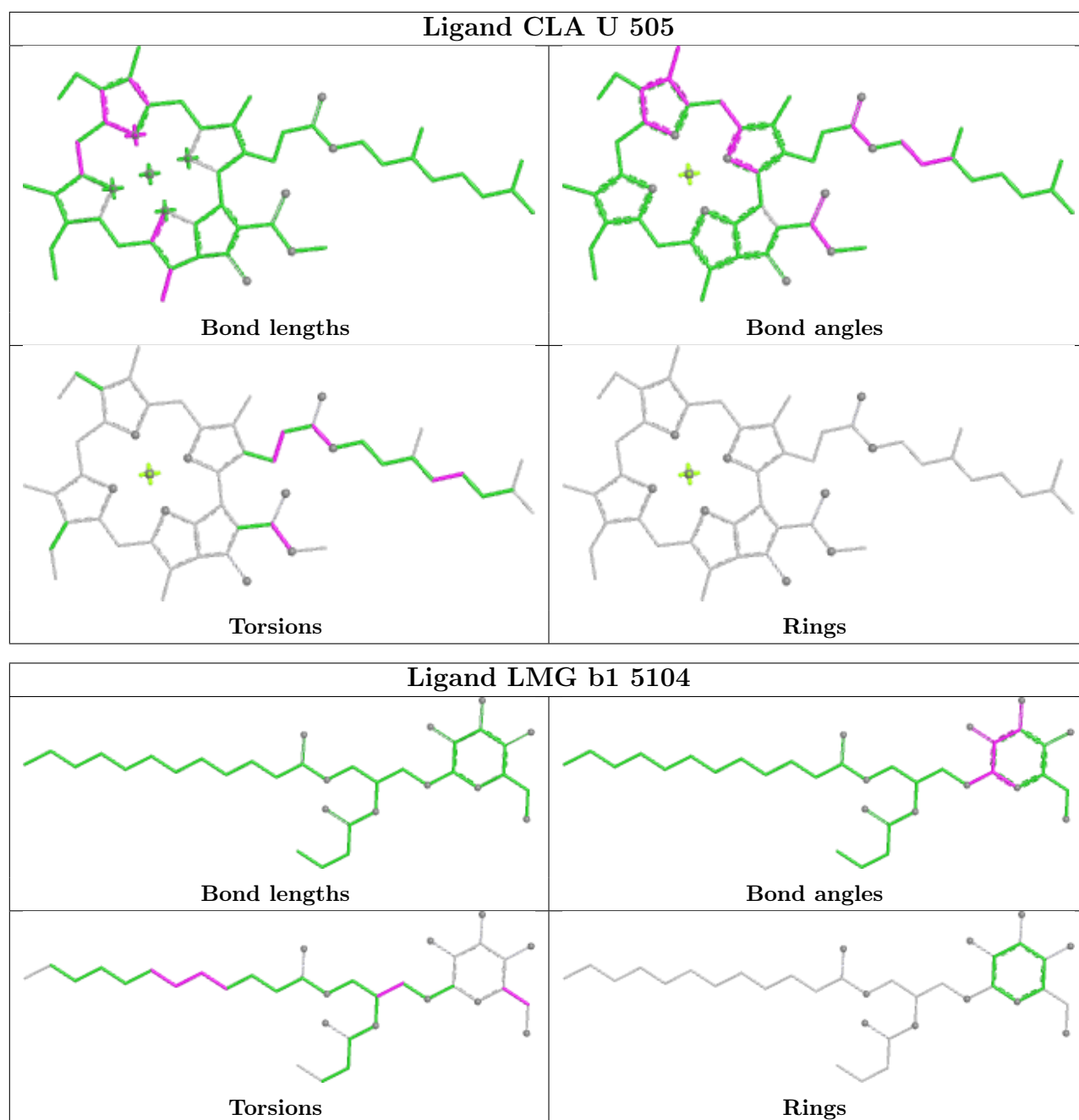


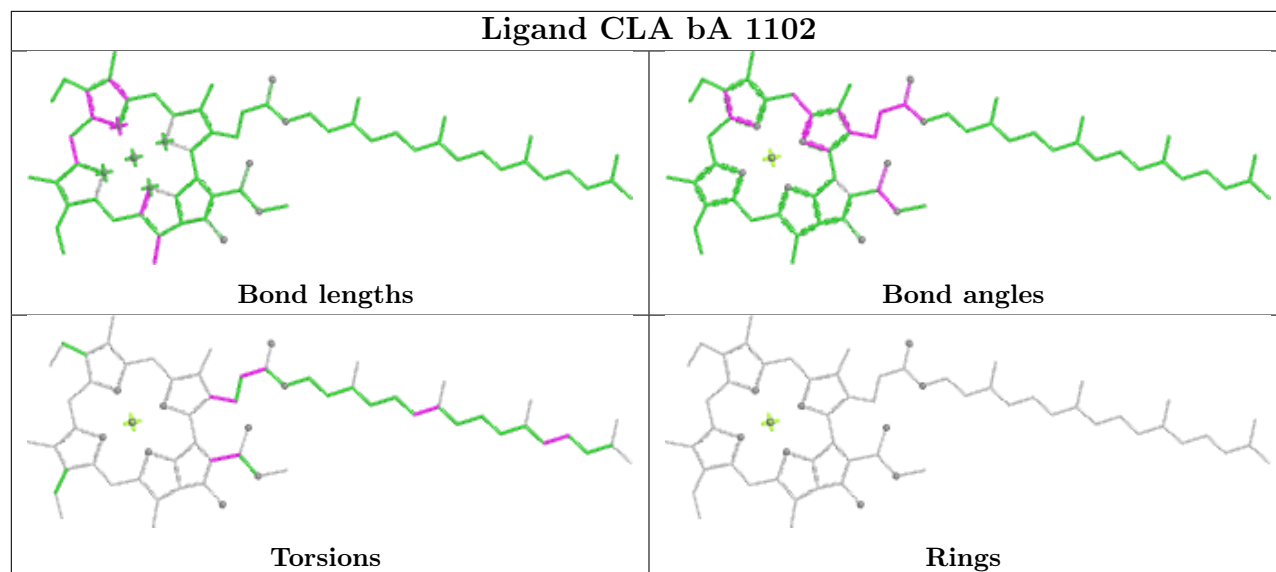
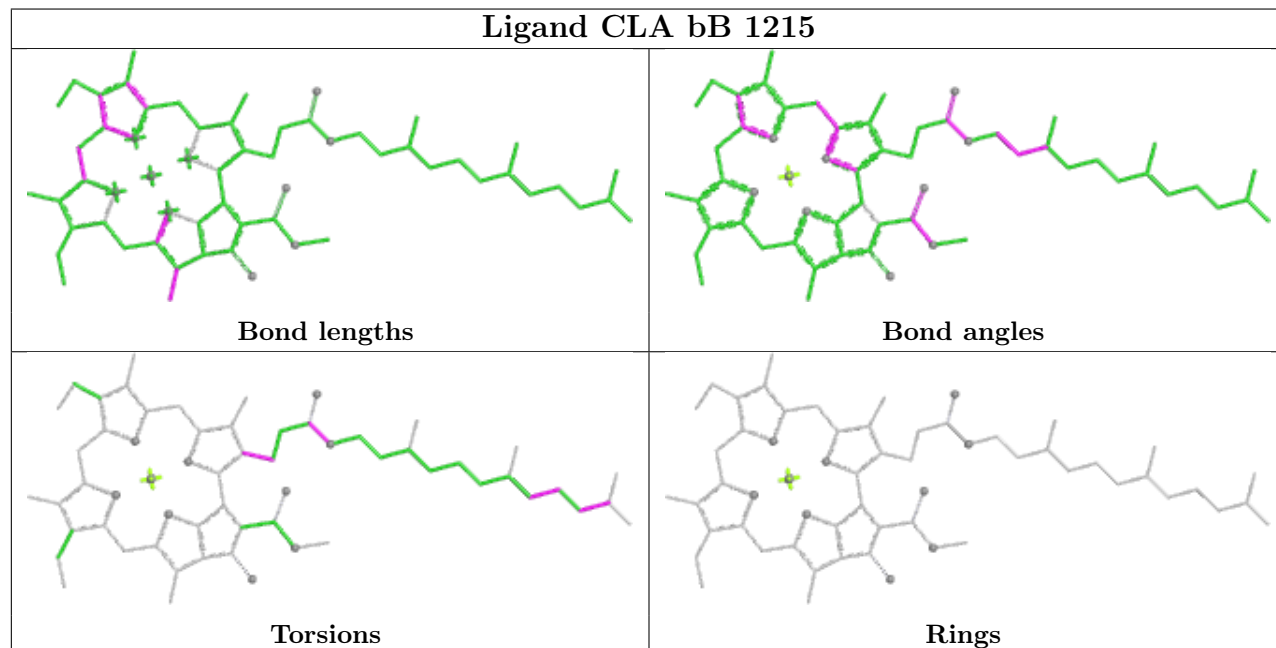
Torsions



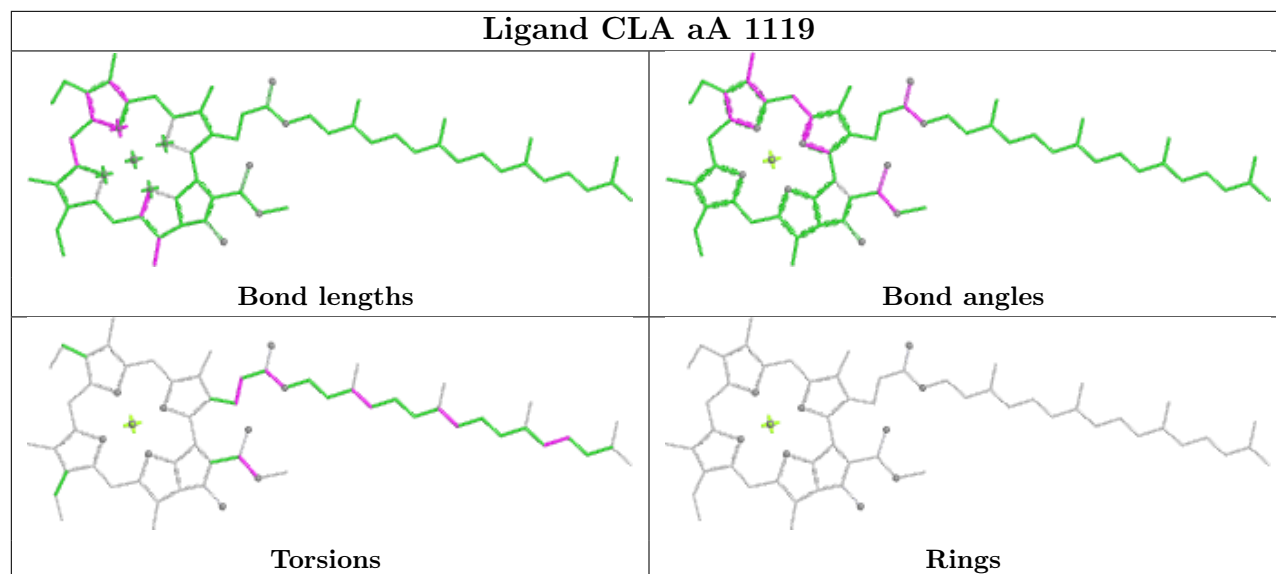
Rings



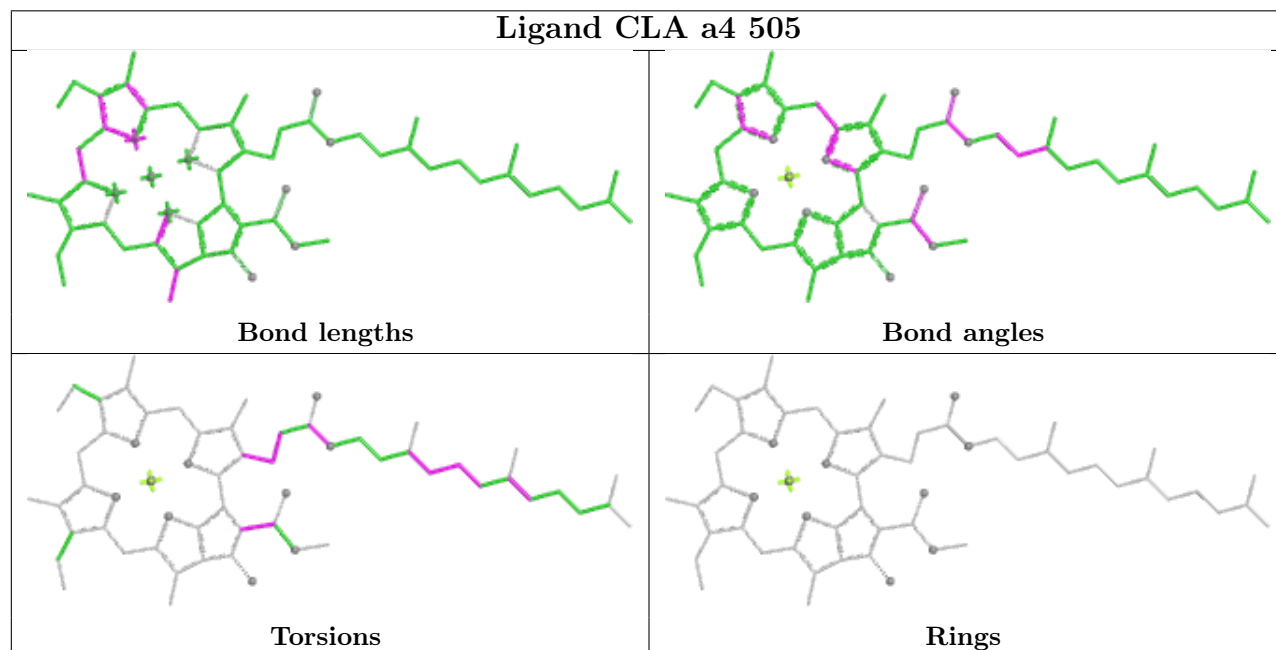


Ligand CLA bA 1102**Ligand CLA bB 1215**

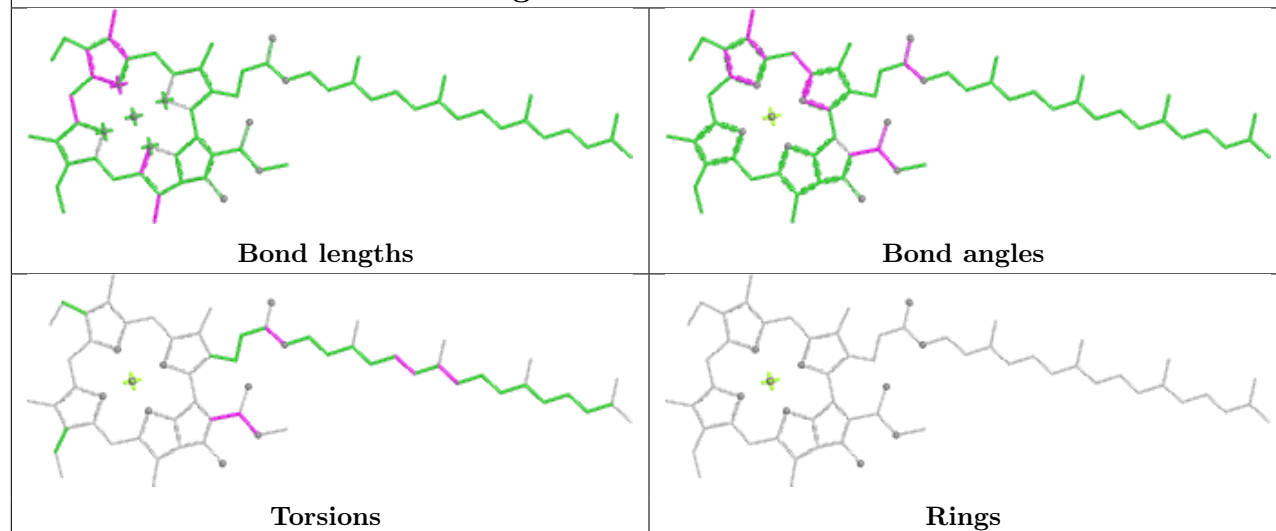
Ligand CLA aA 1119



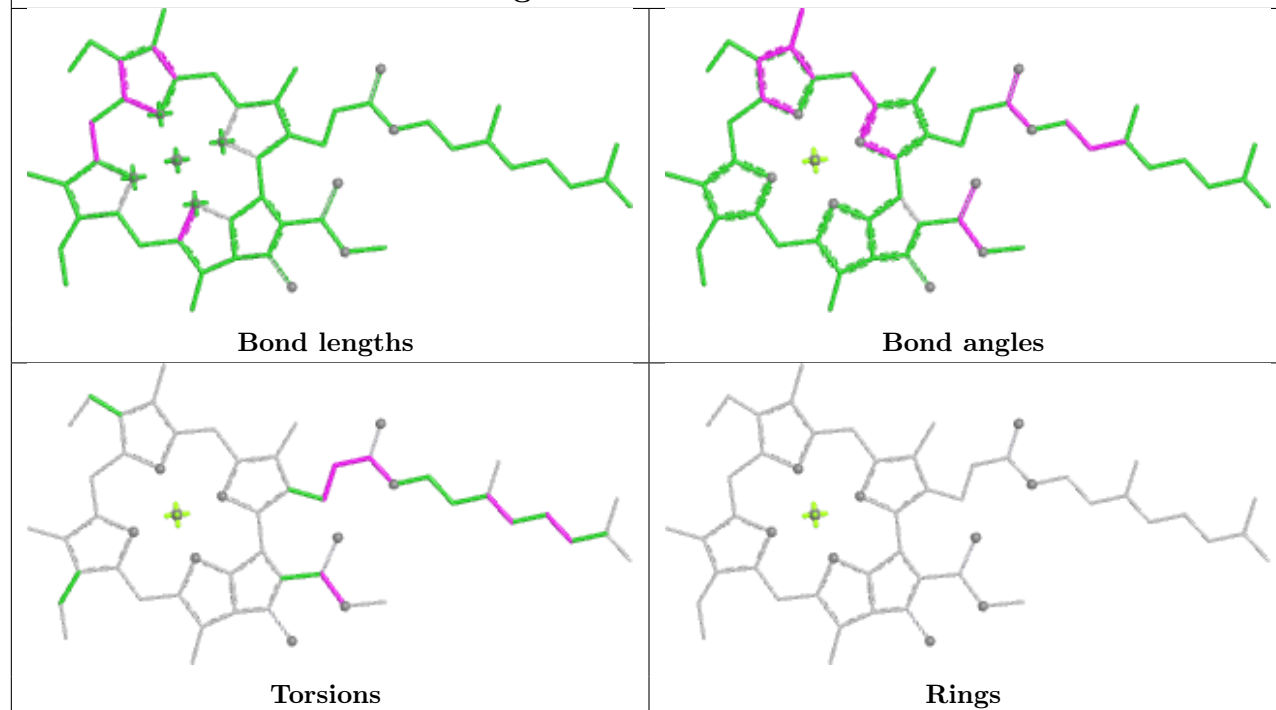
Ligand CLA a4 505

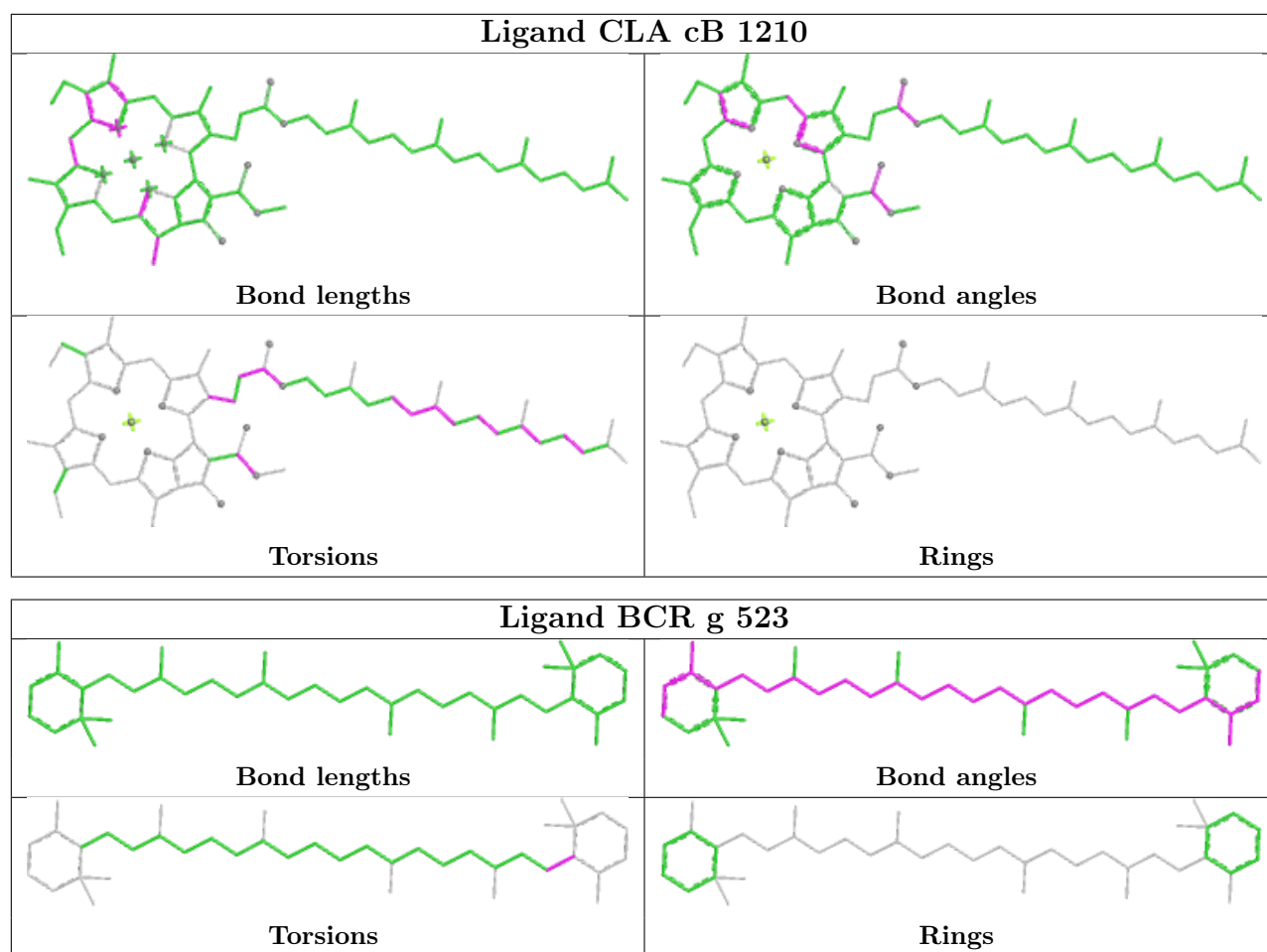


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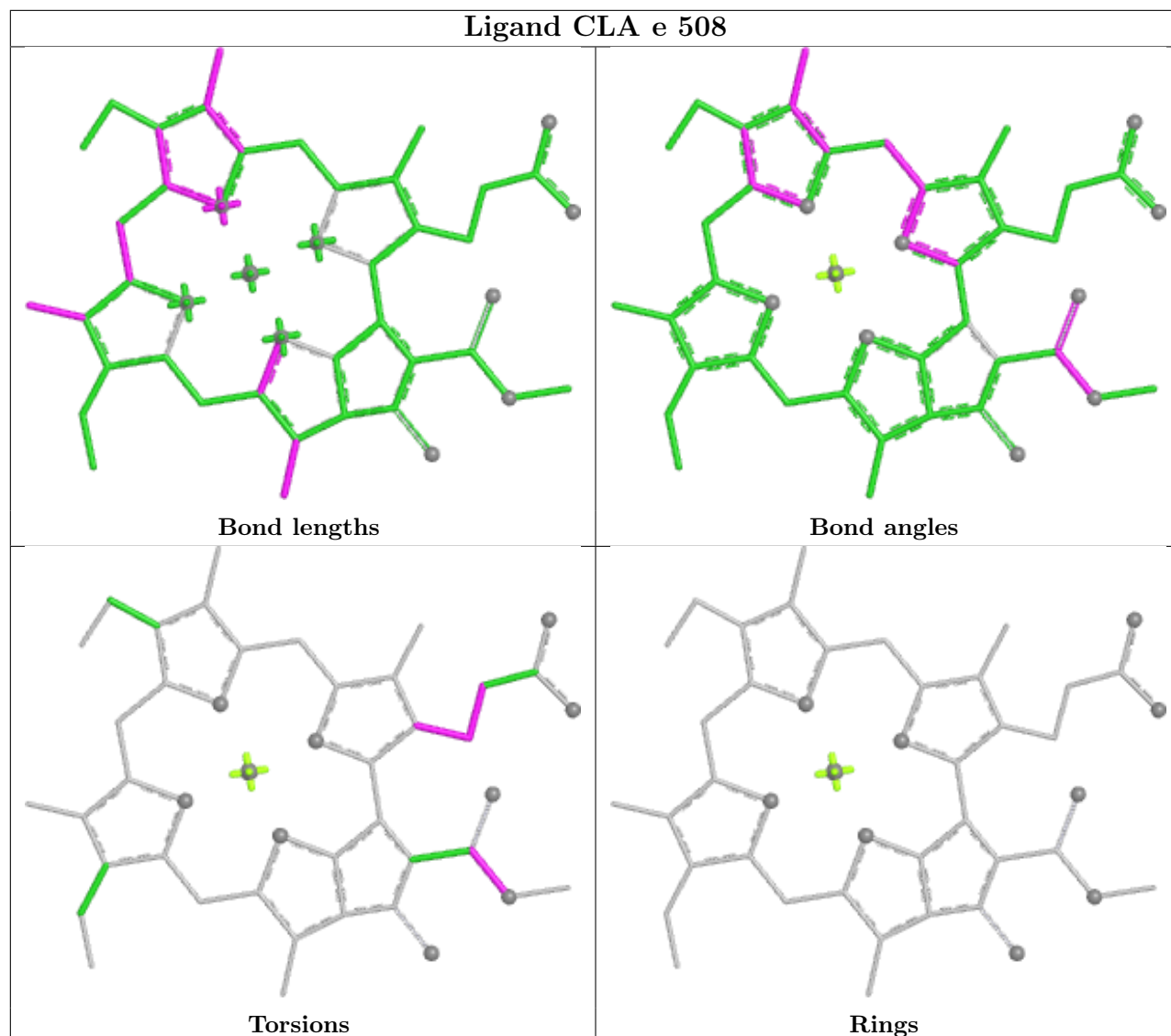


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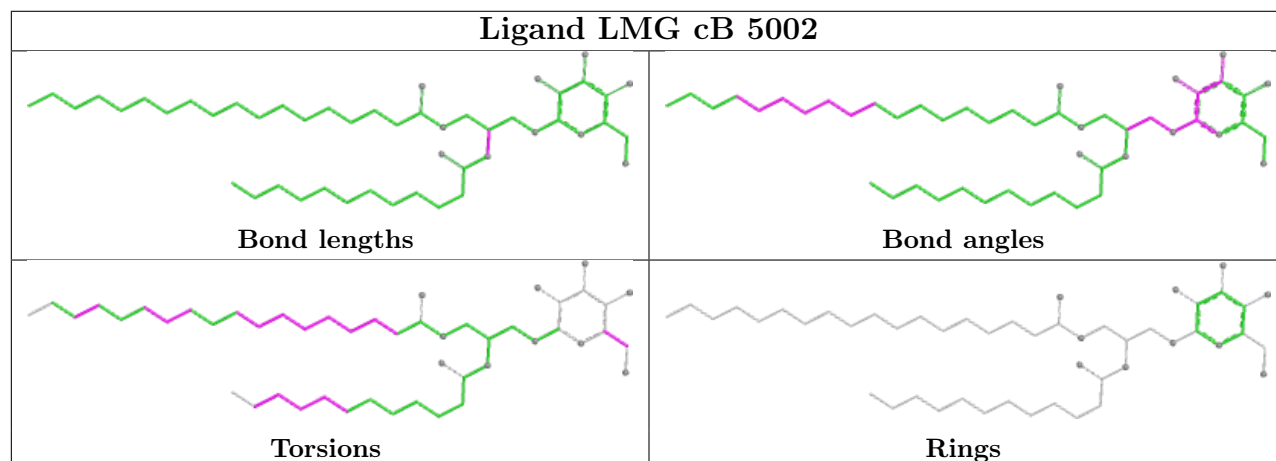




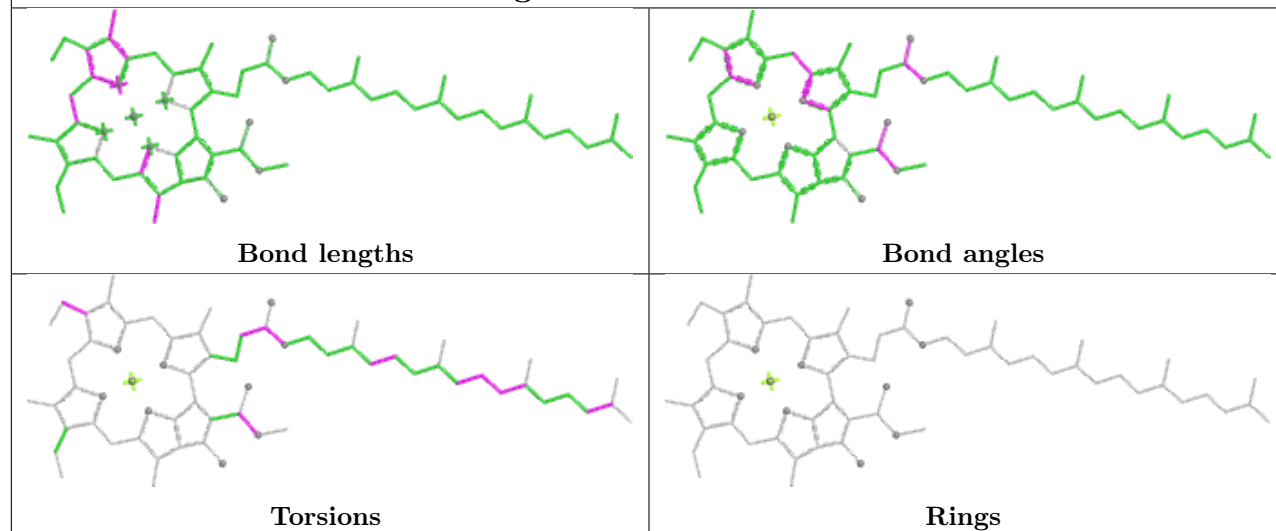
Ligand CLA e 508



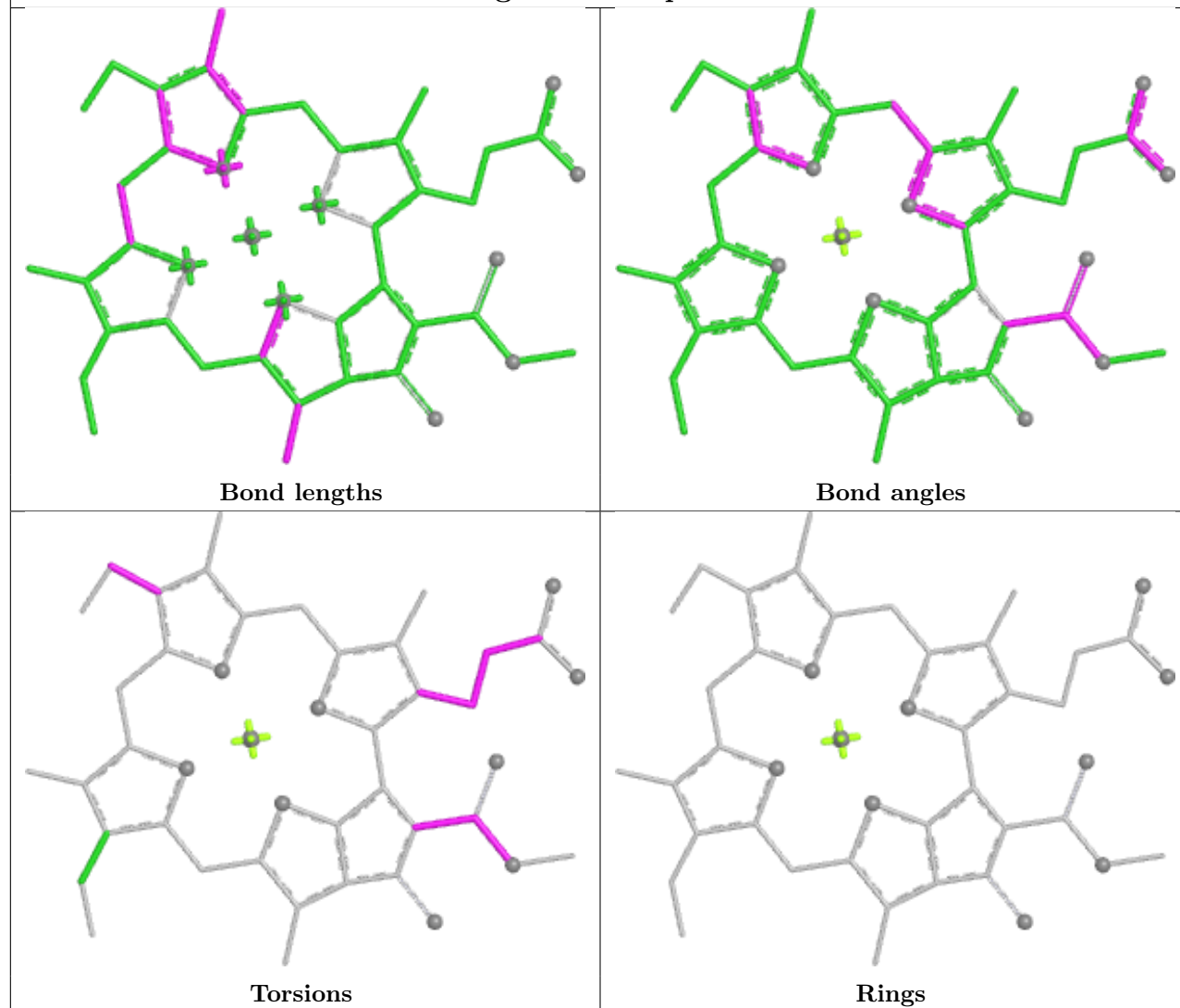
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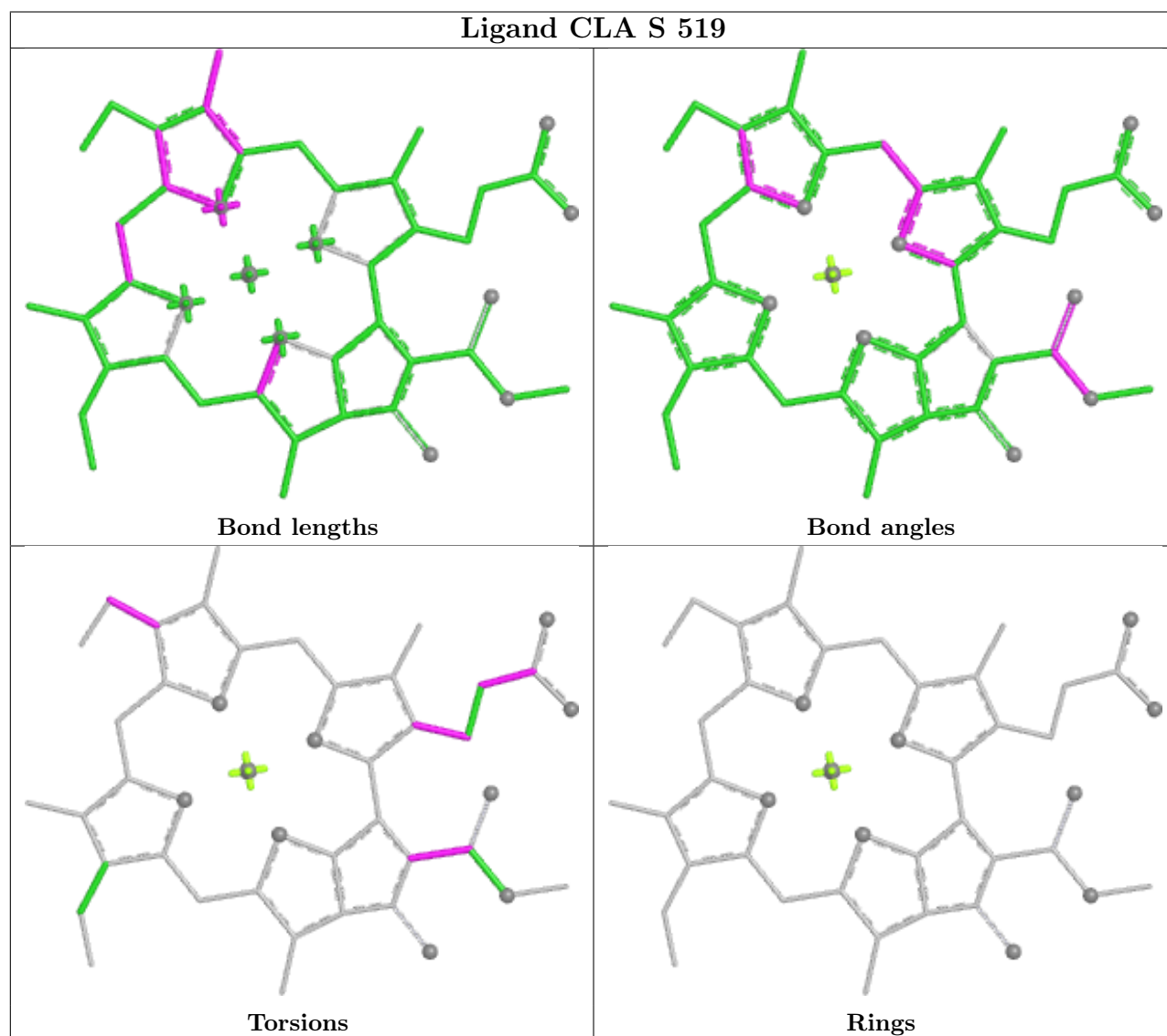
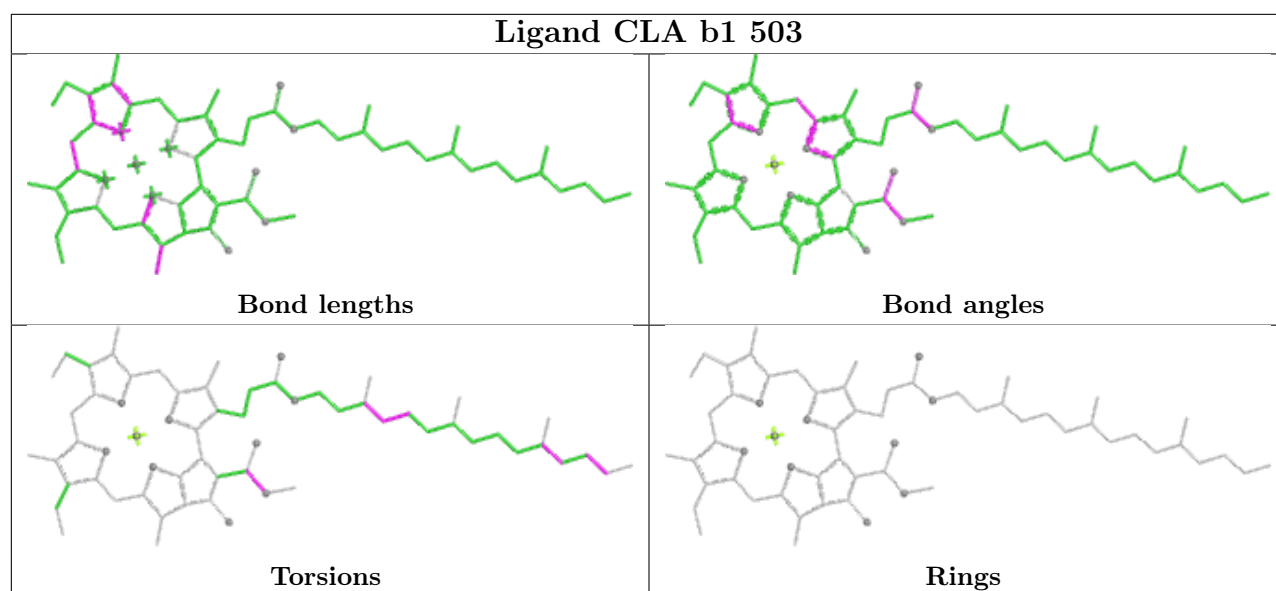


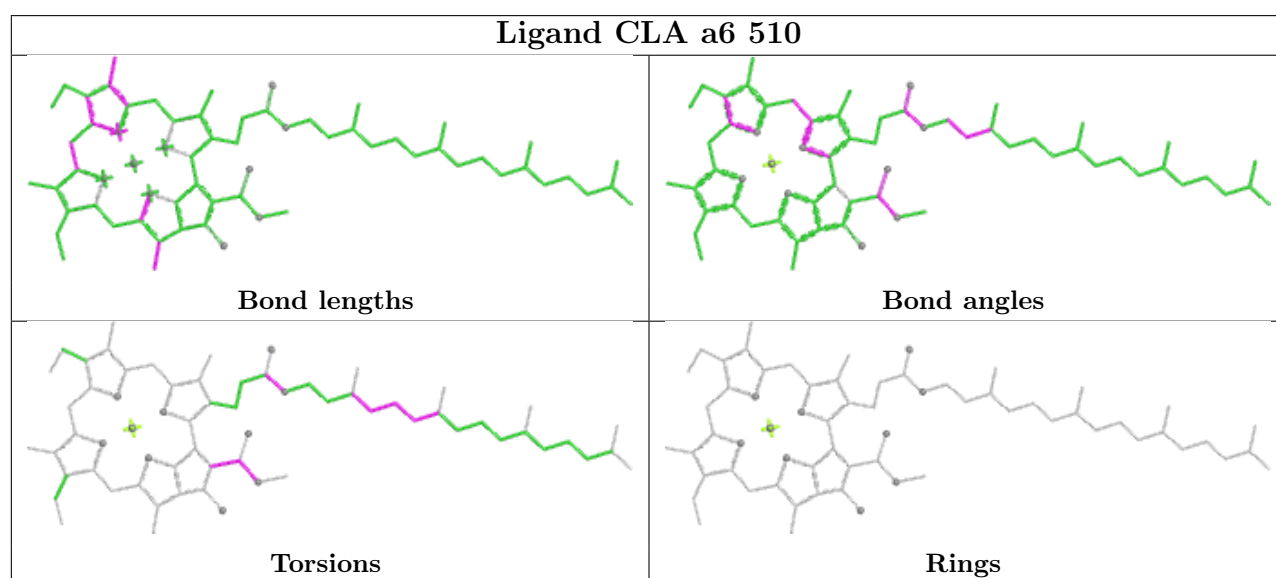
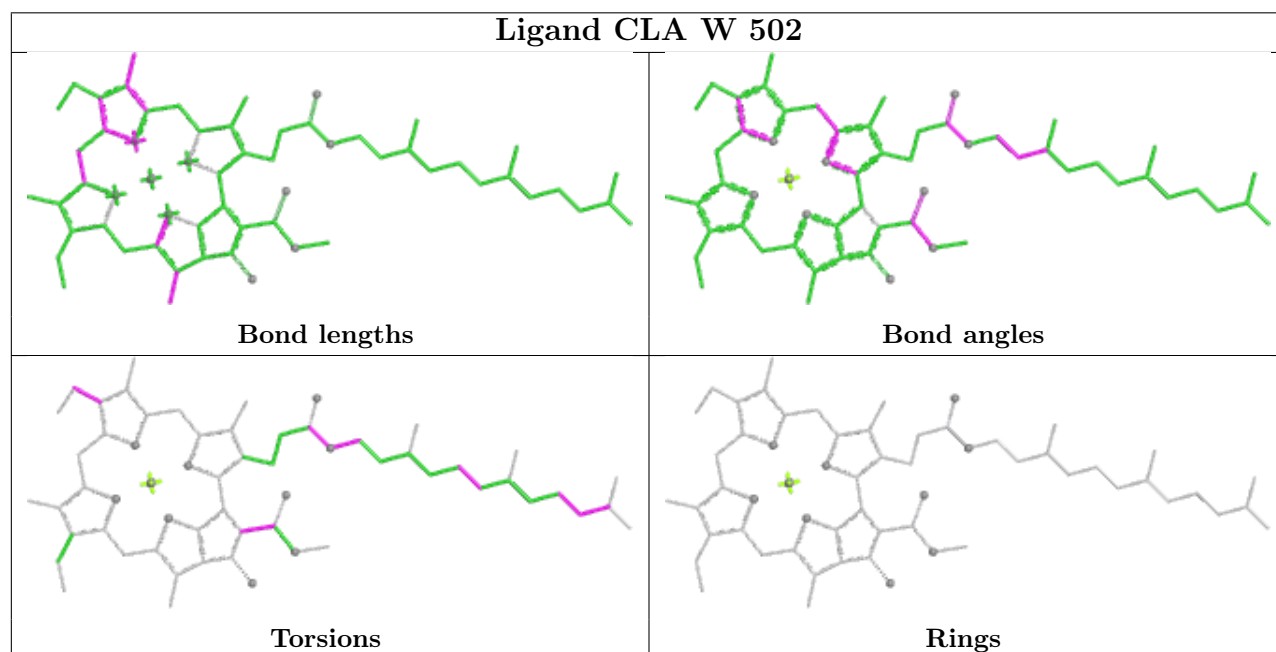
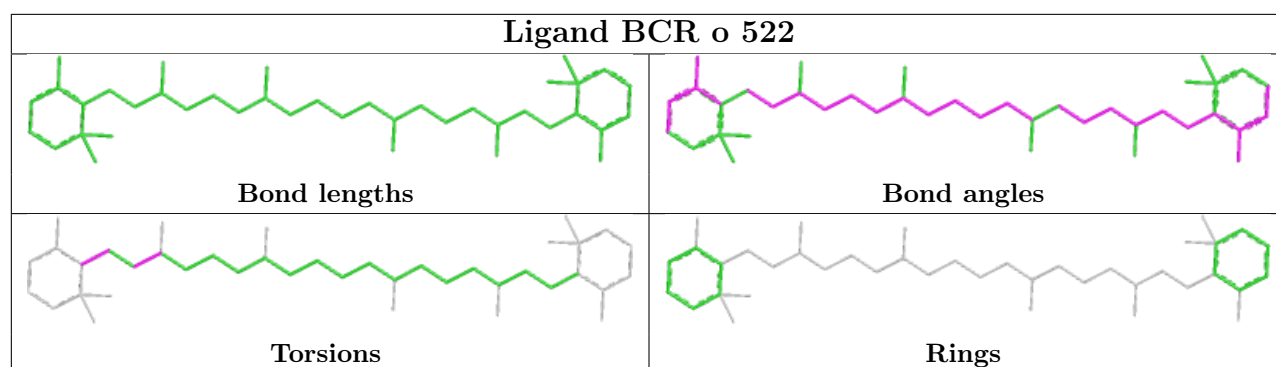
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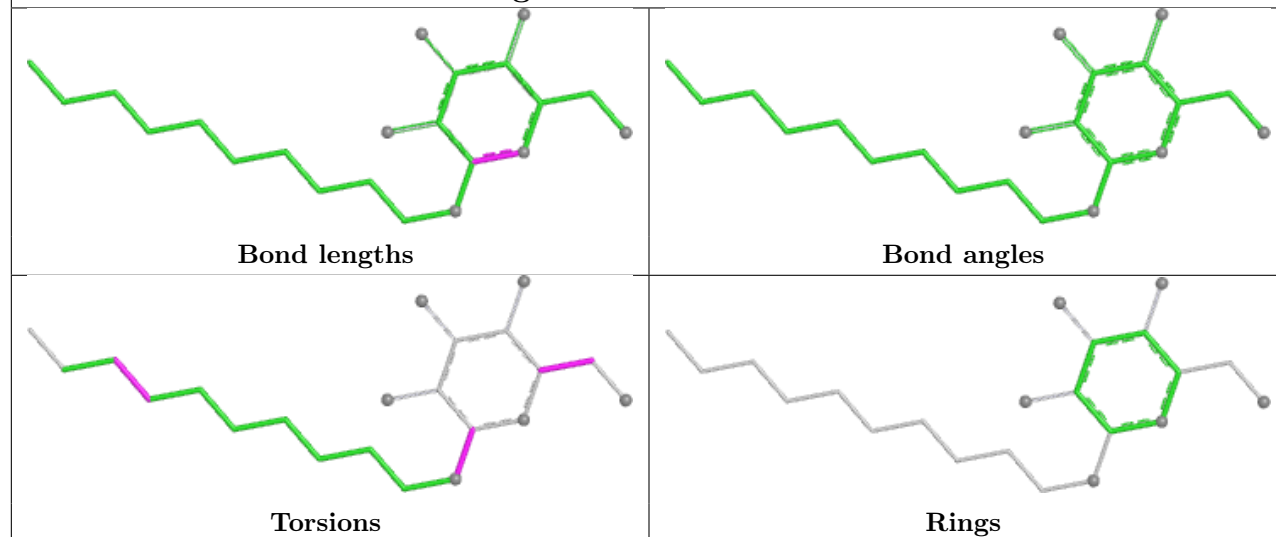
Ligand CLA q 516



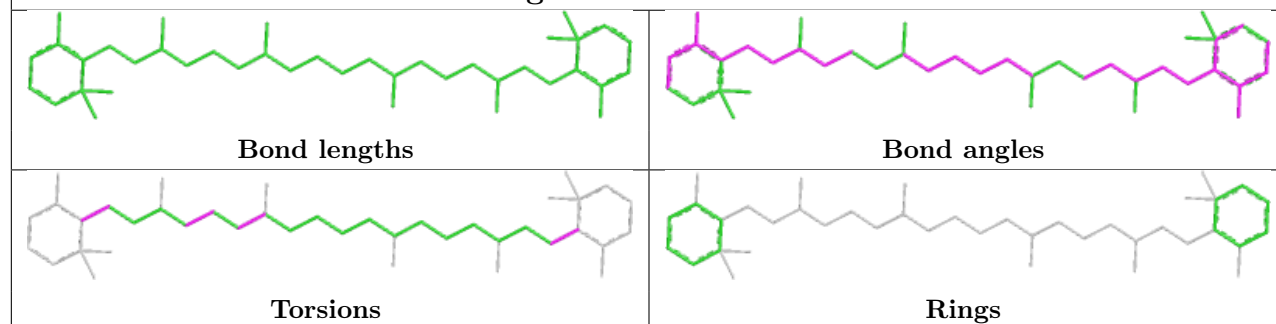




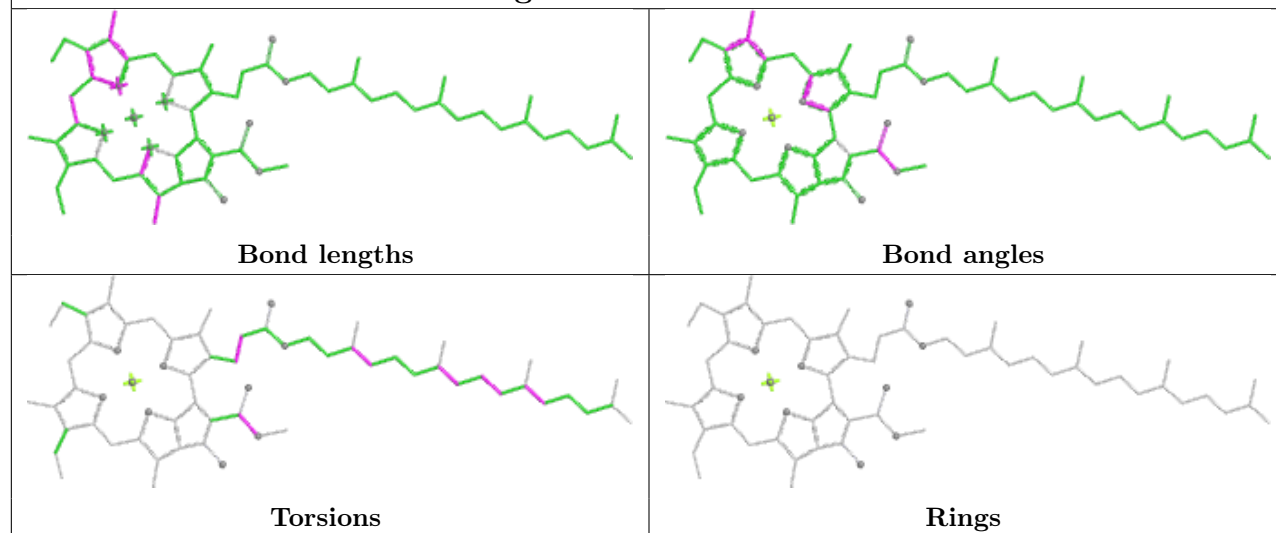
Ligand LMU bJ 5105

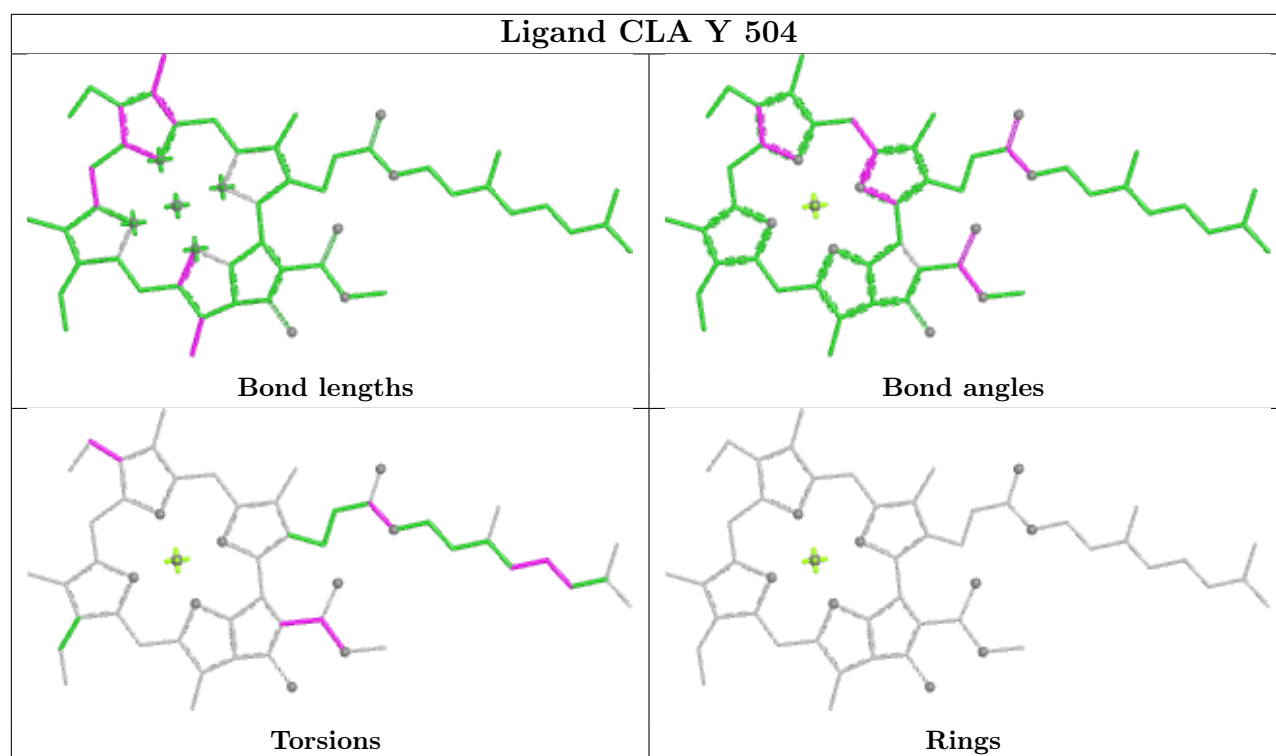


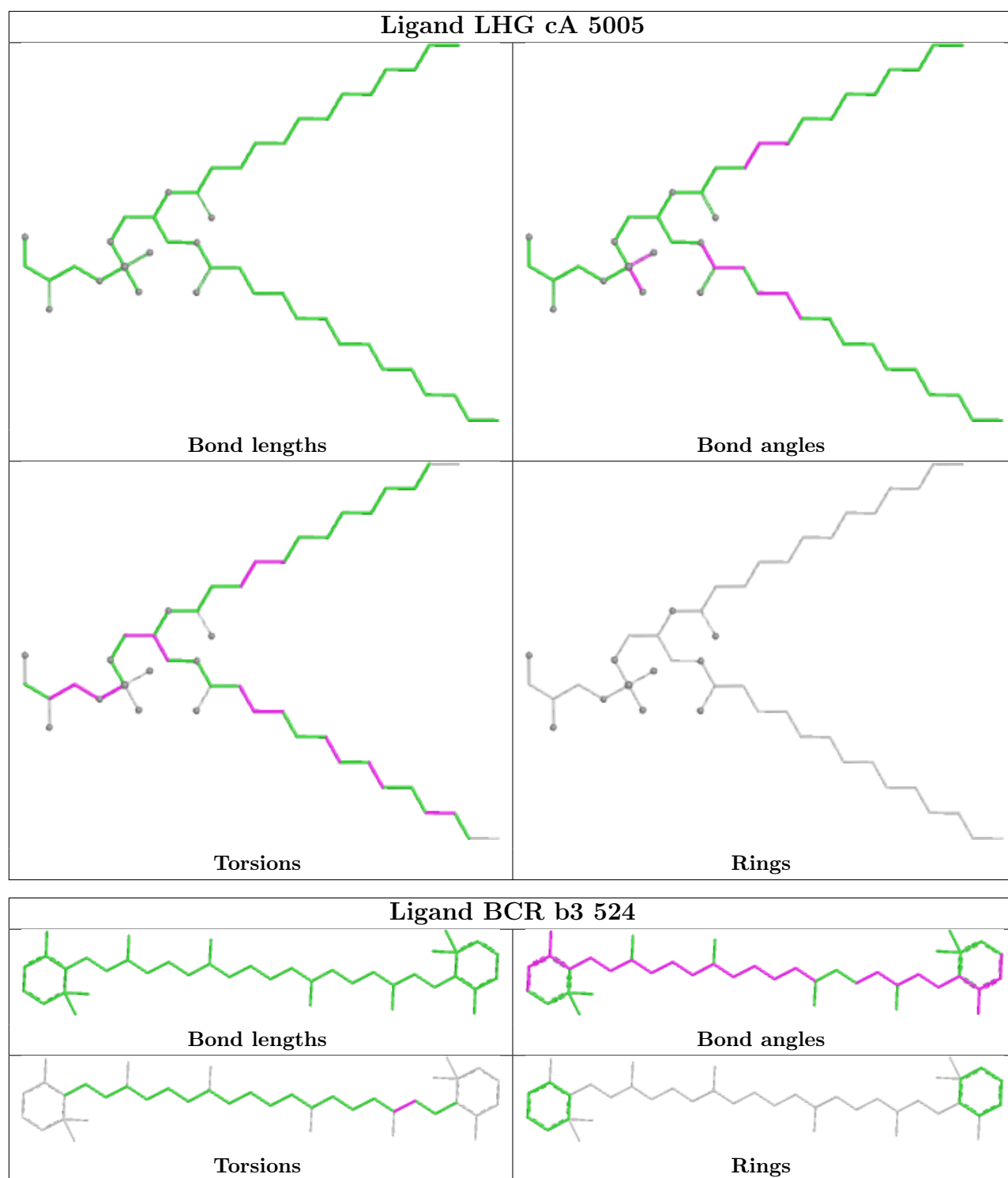
Ligand BCR c3 521

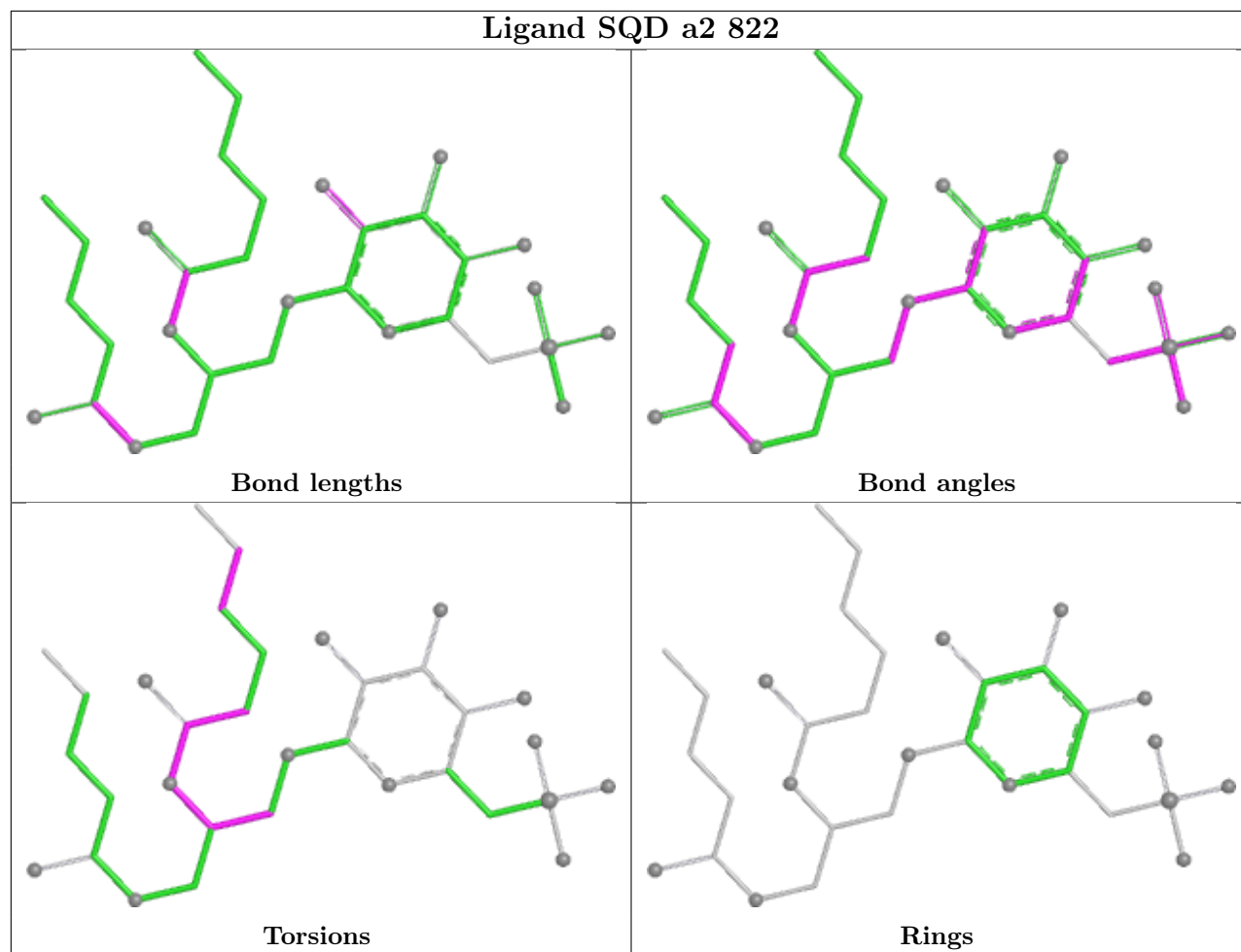


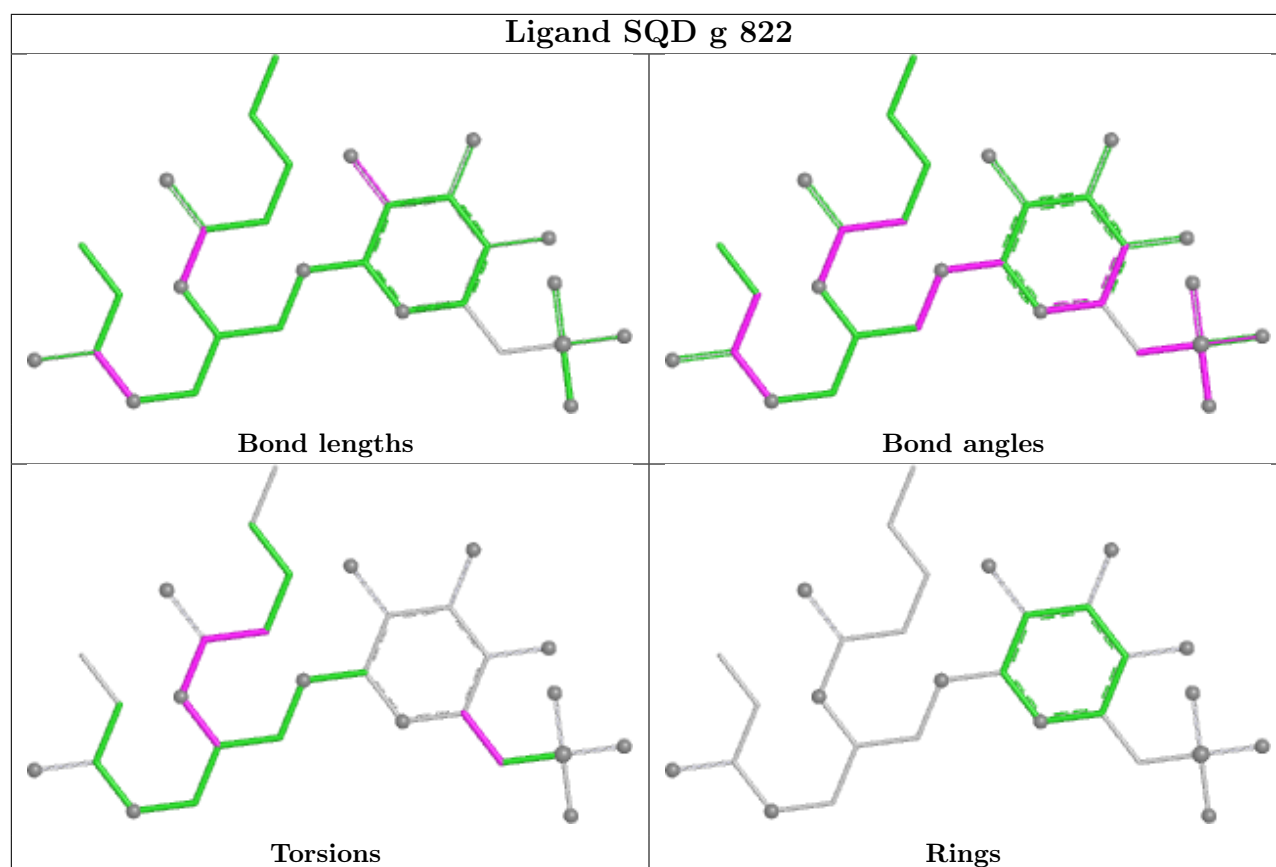
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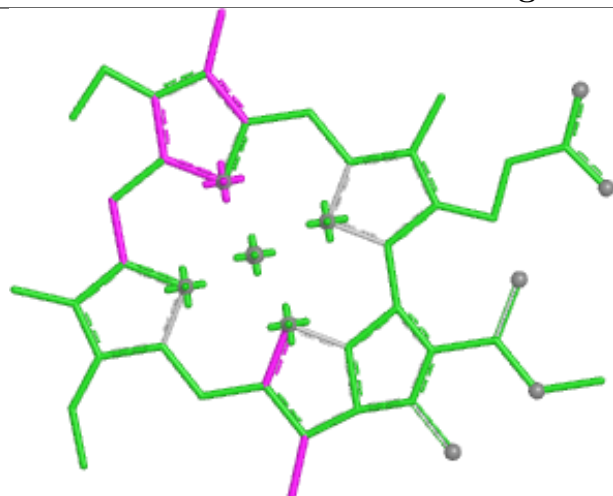




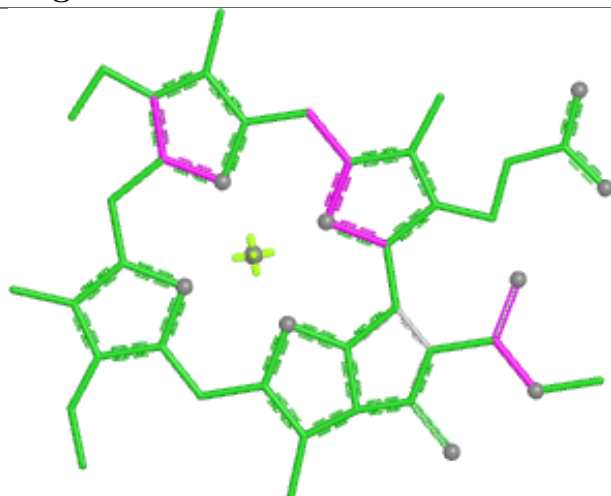




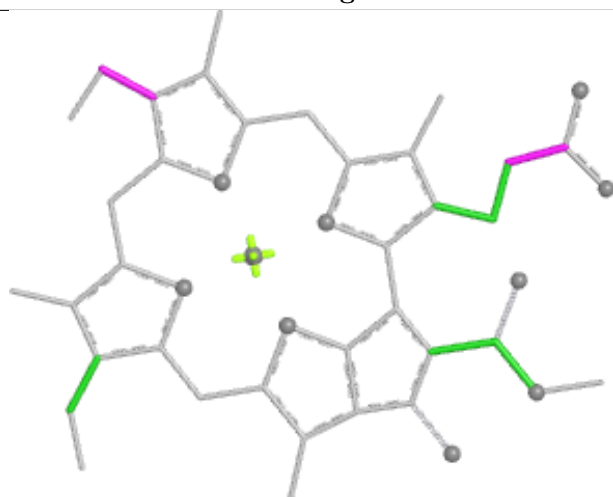
Ligand CLA g 512



Bond lengths



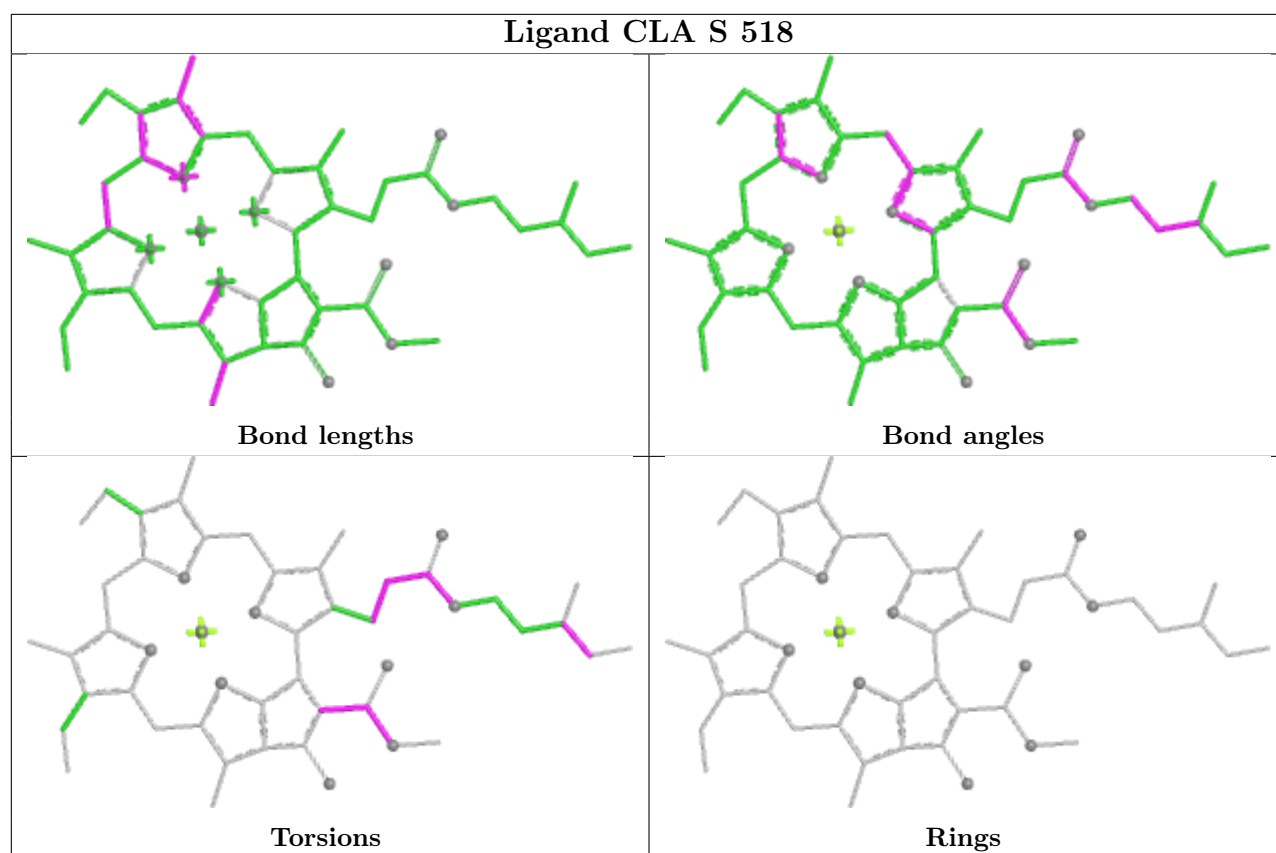
Bond angles



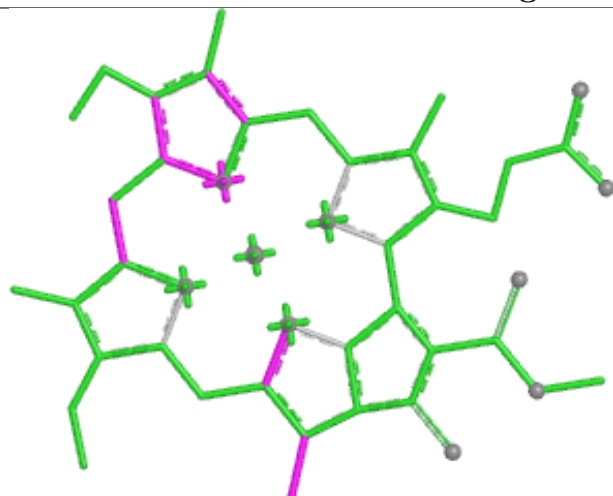
Torsions



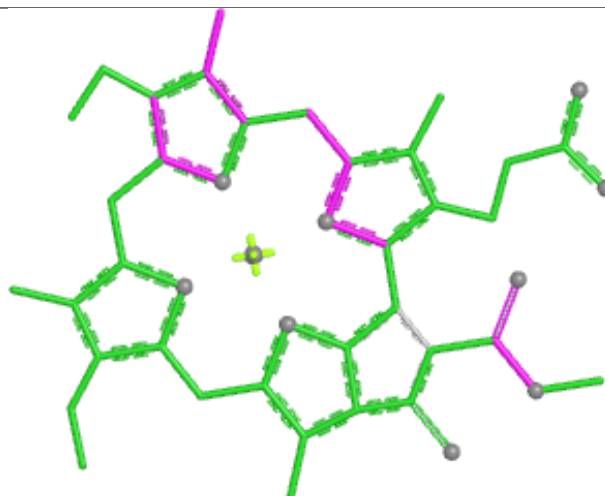
Rings



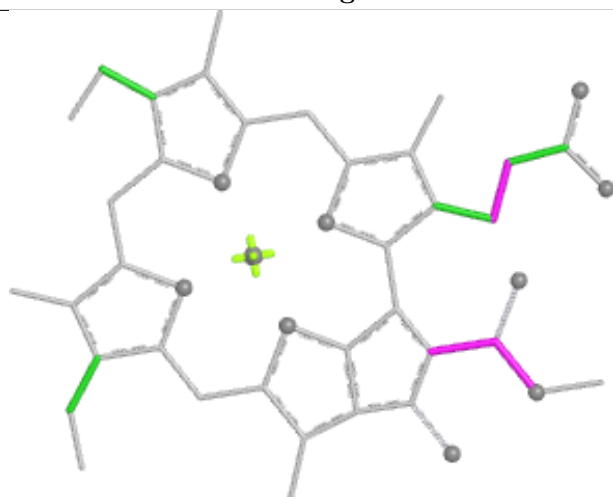
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Bond lengths



Bond angles

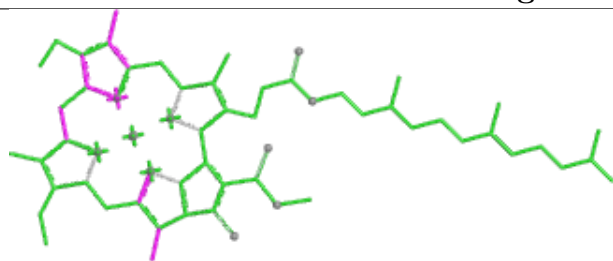


Torsions

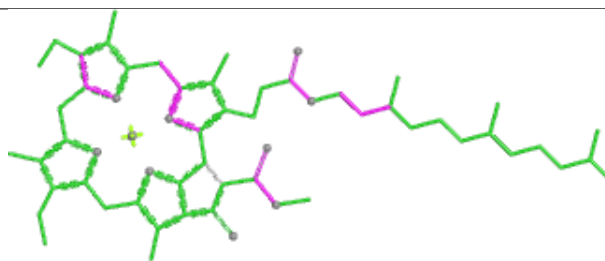


Rings

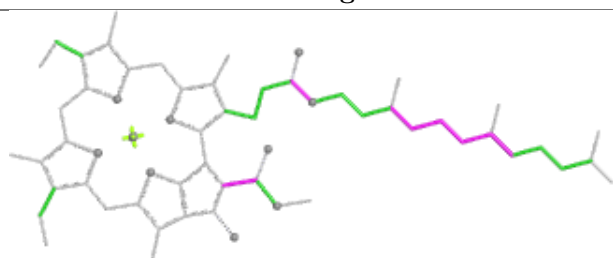
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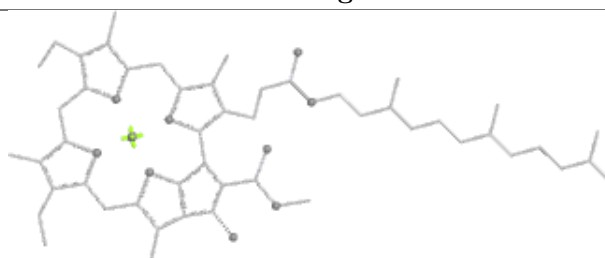
Bond lengths



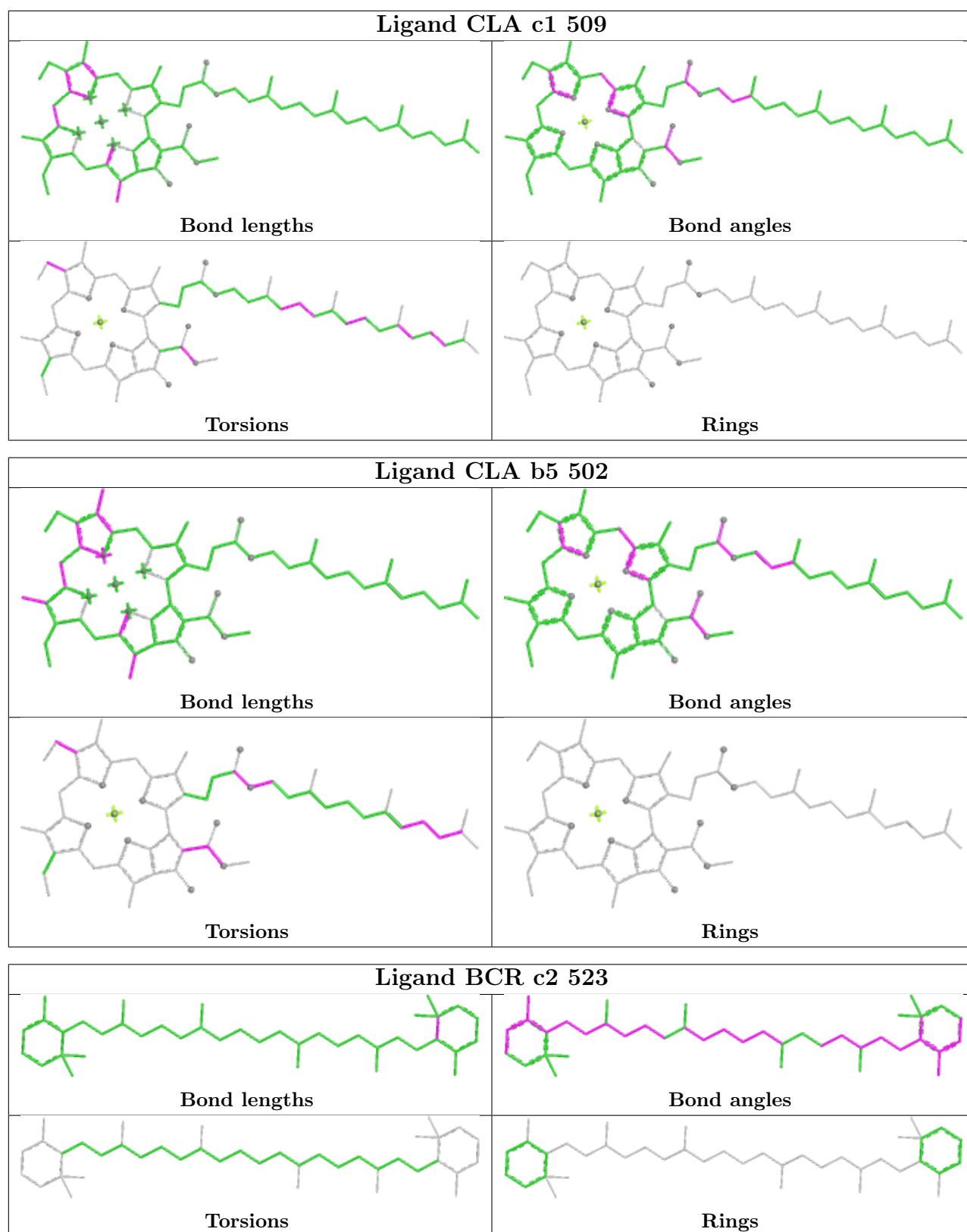
Bond angles

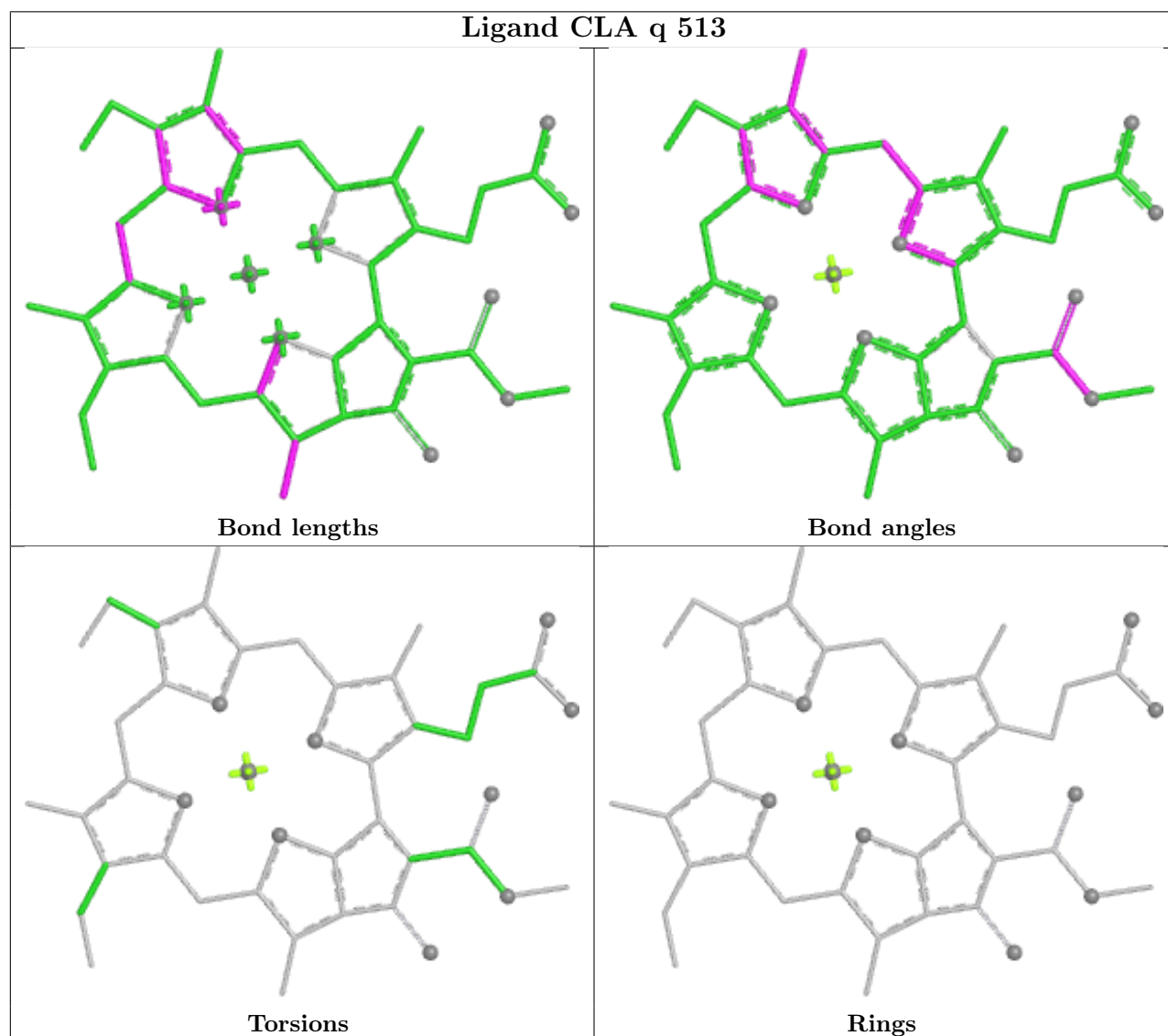
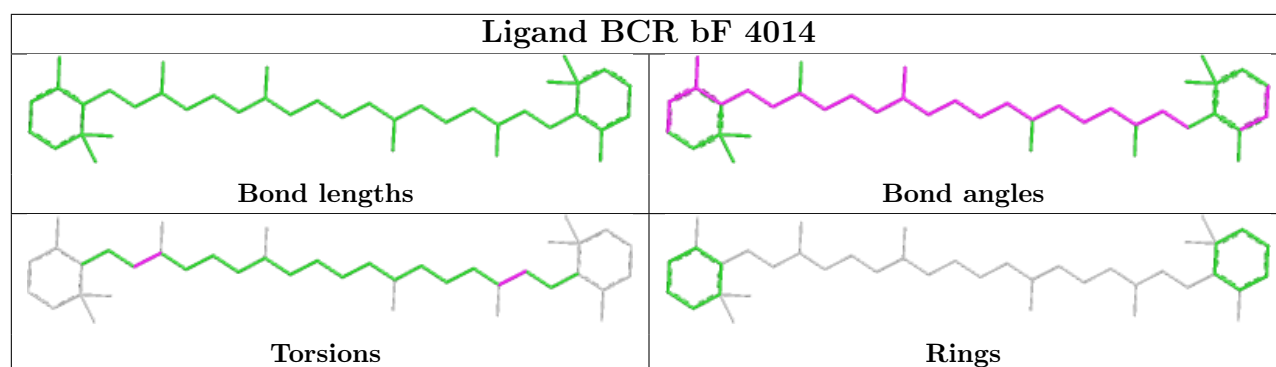


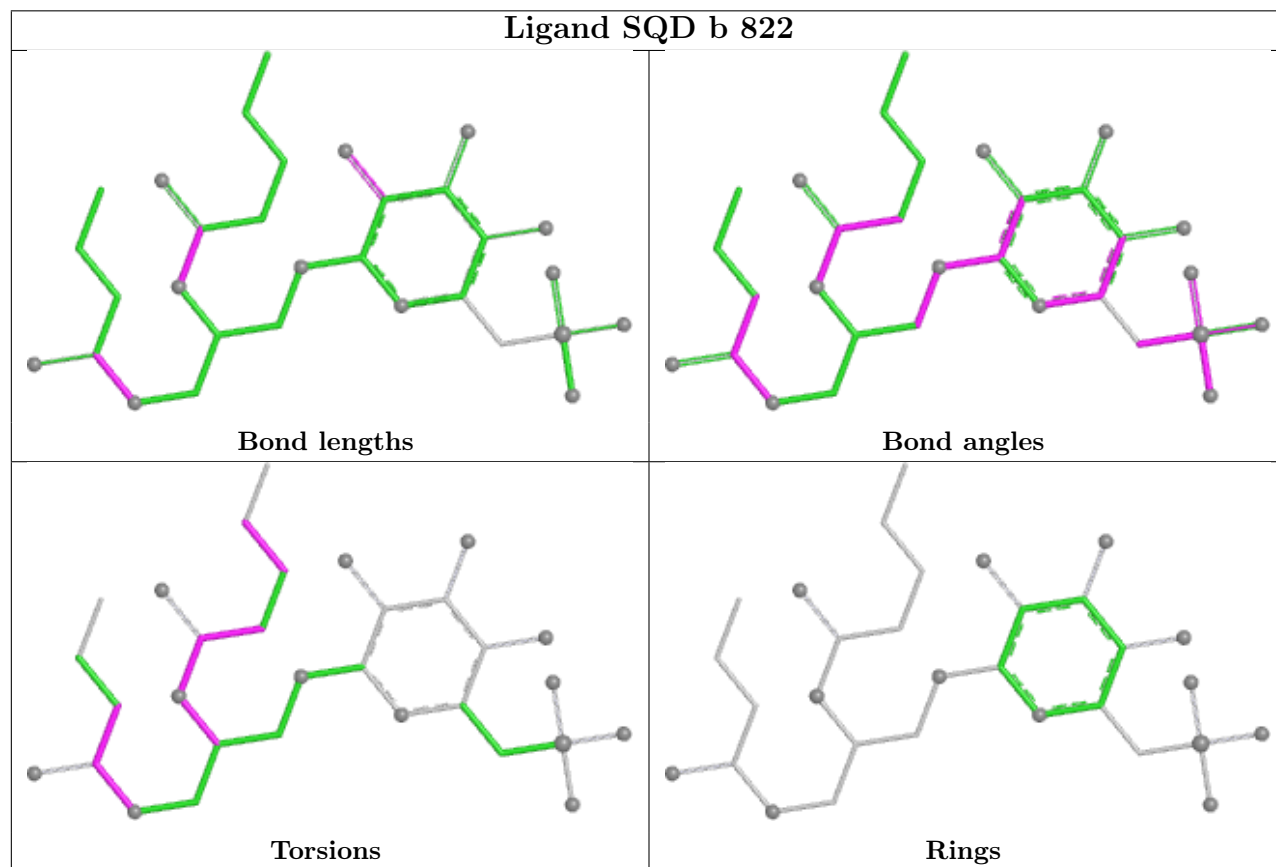
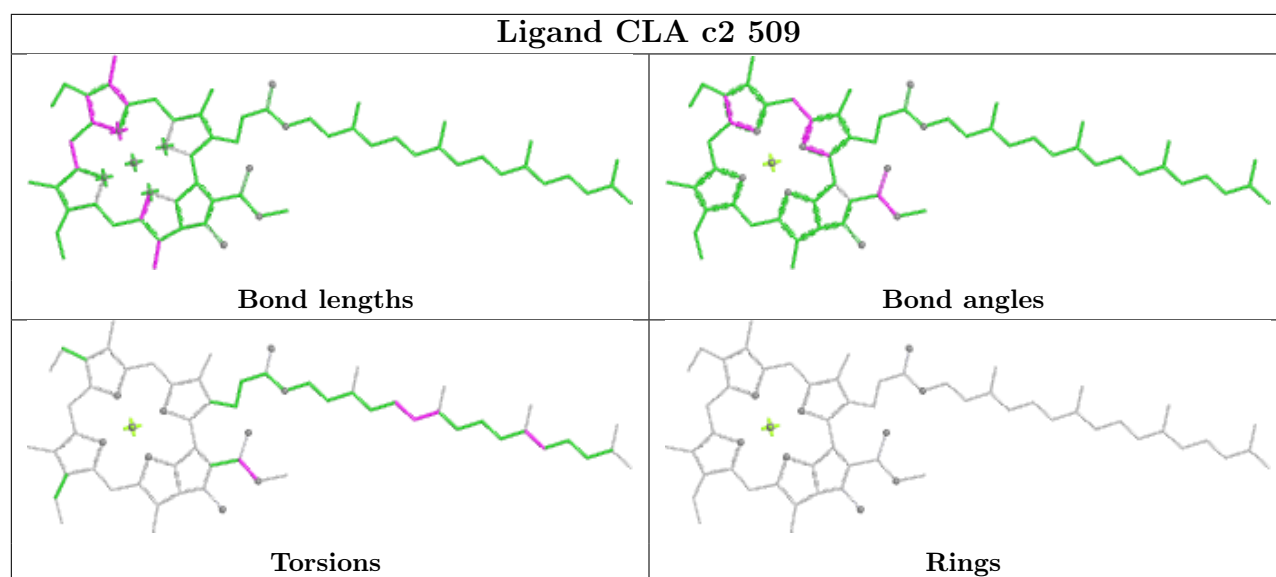
Torsions

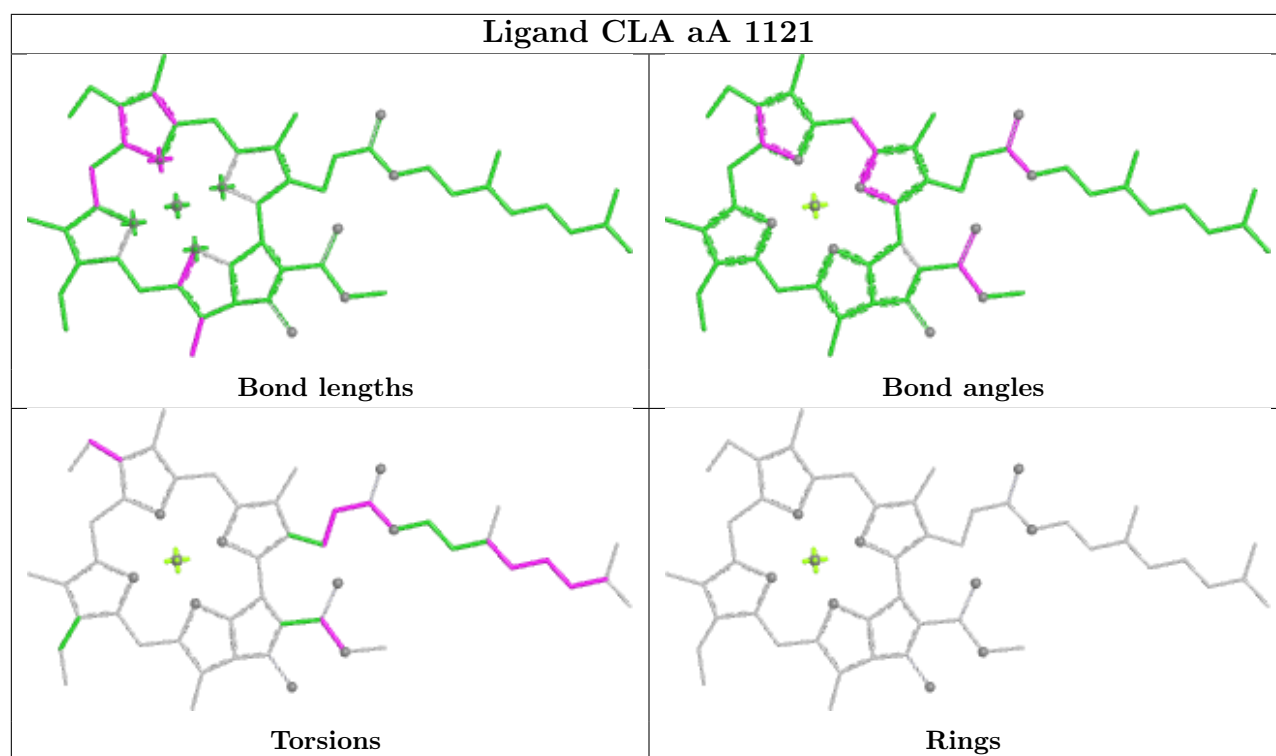


Rings

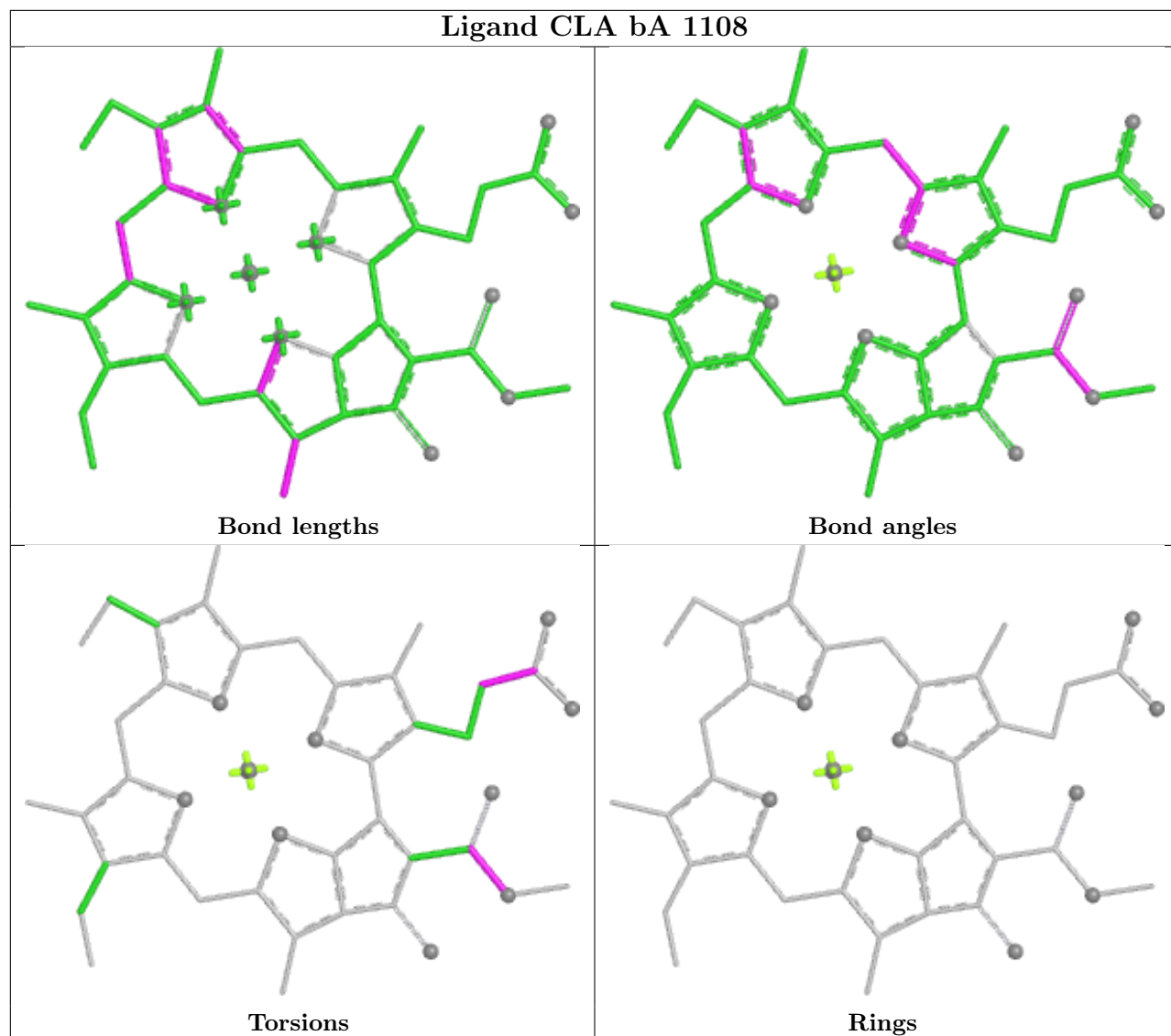


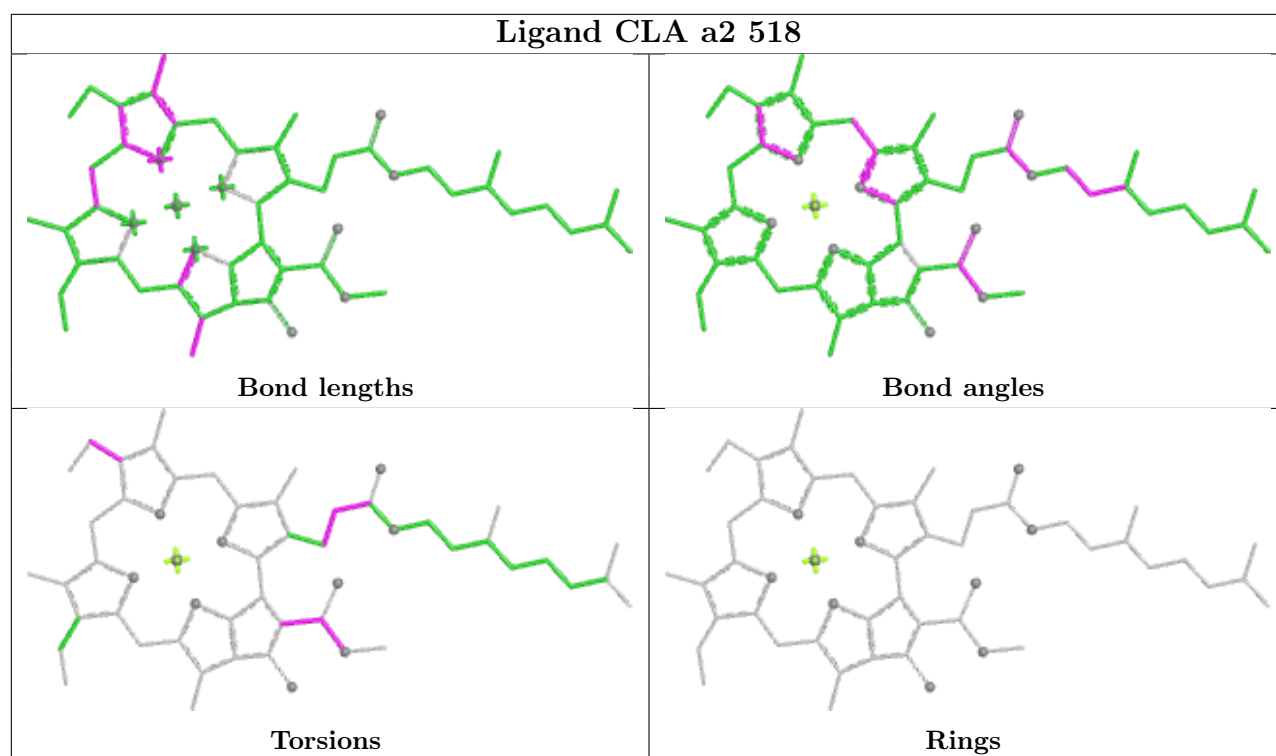




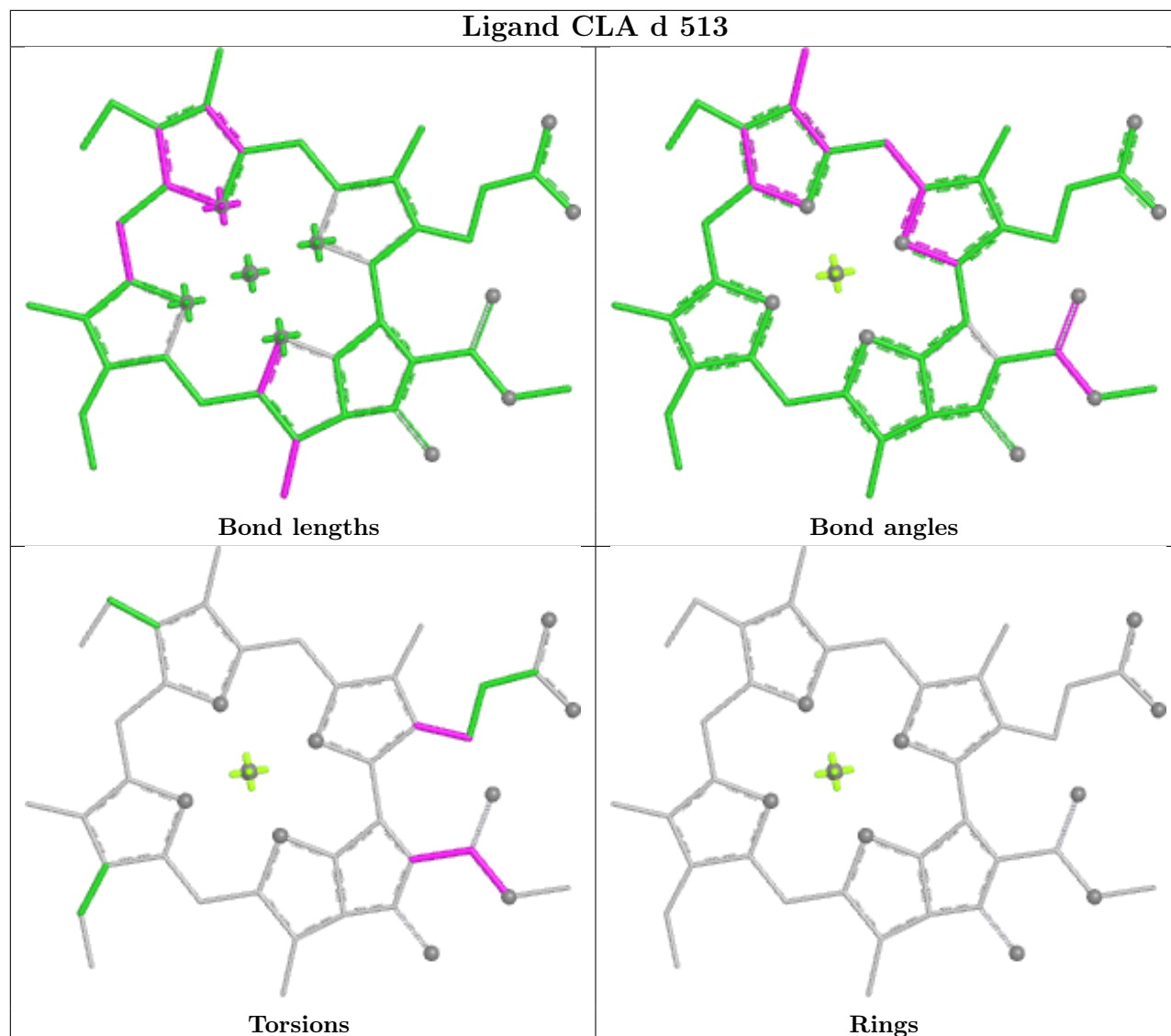


Ligand CLA bA 1108

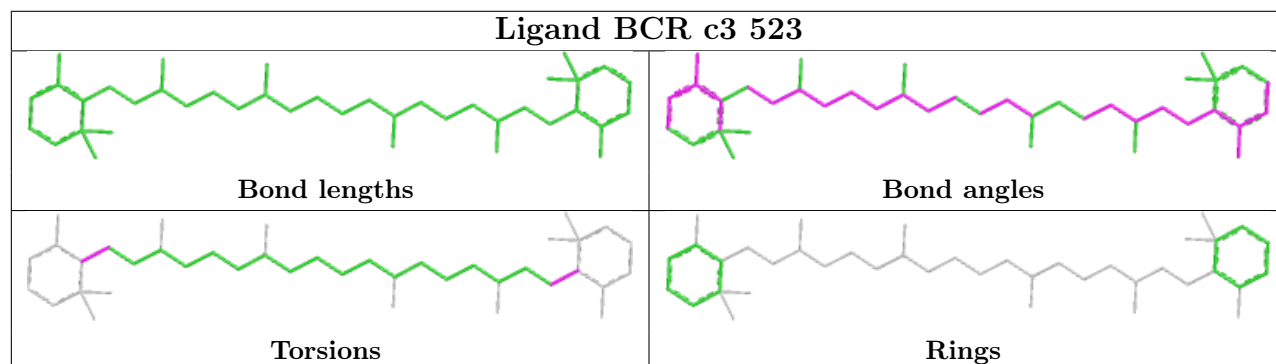


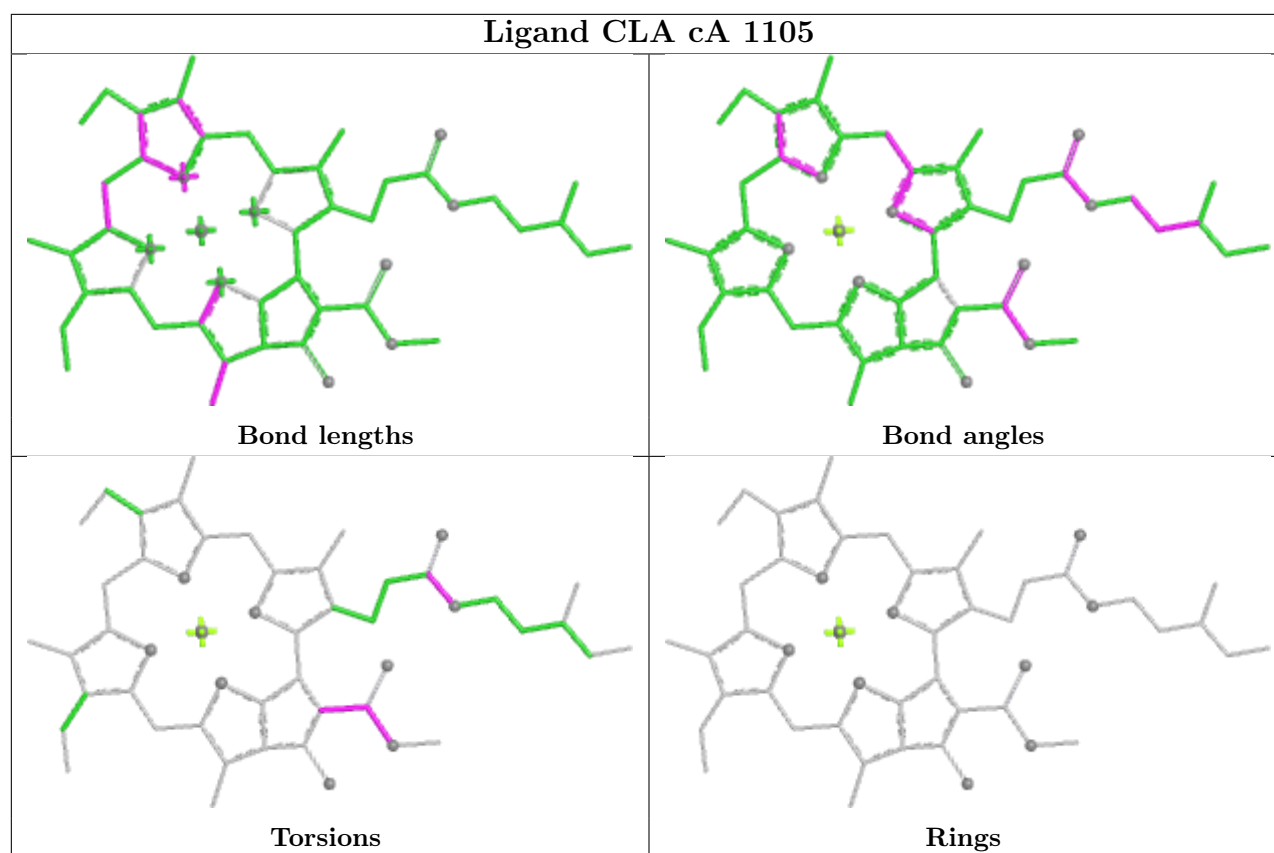


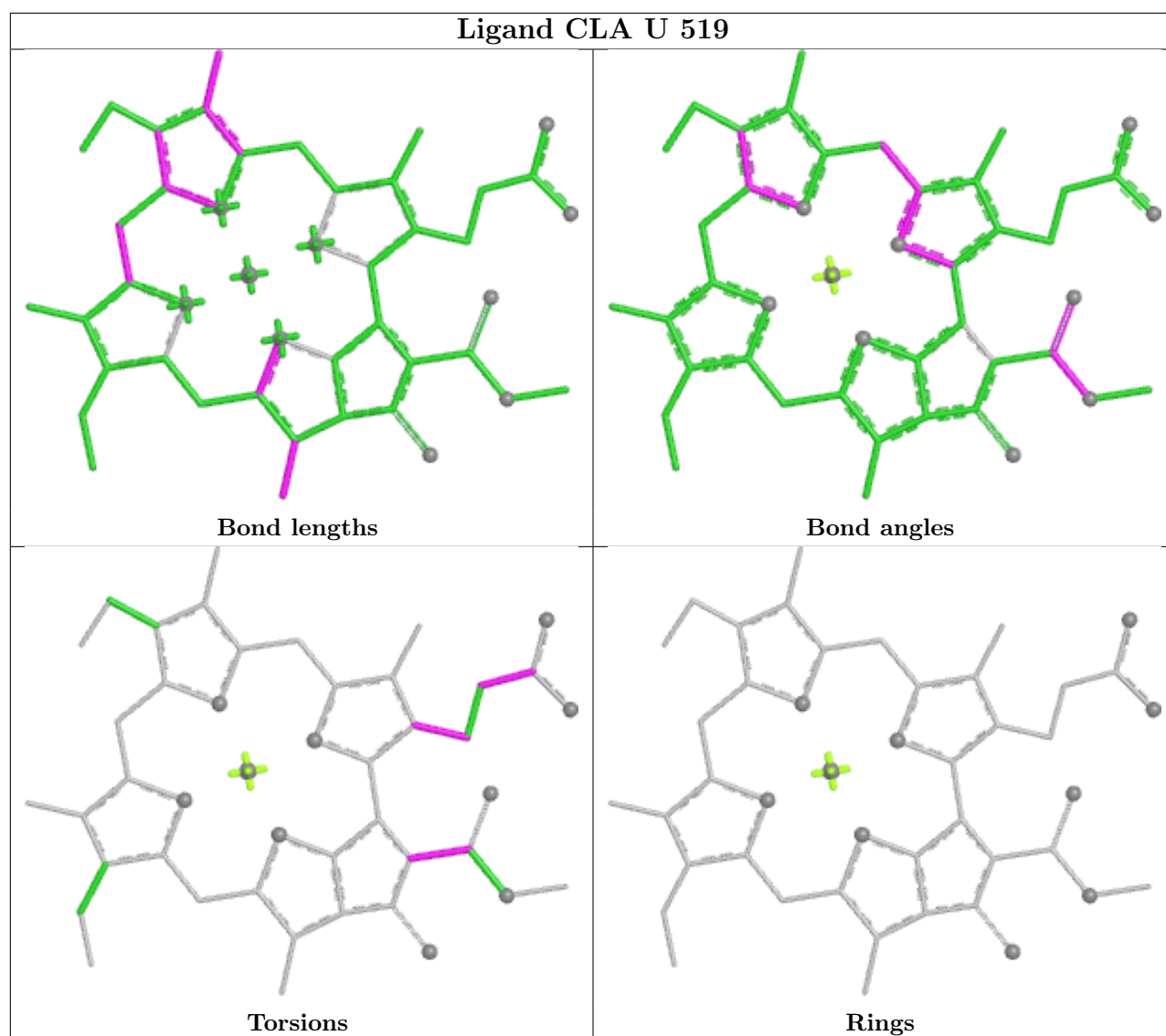
Ligand CLA d 513



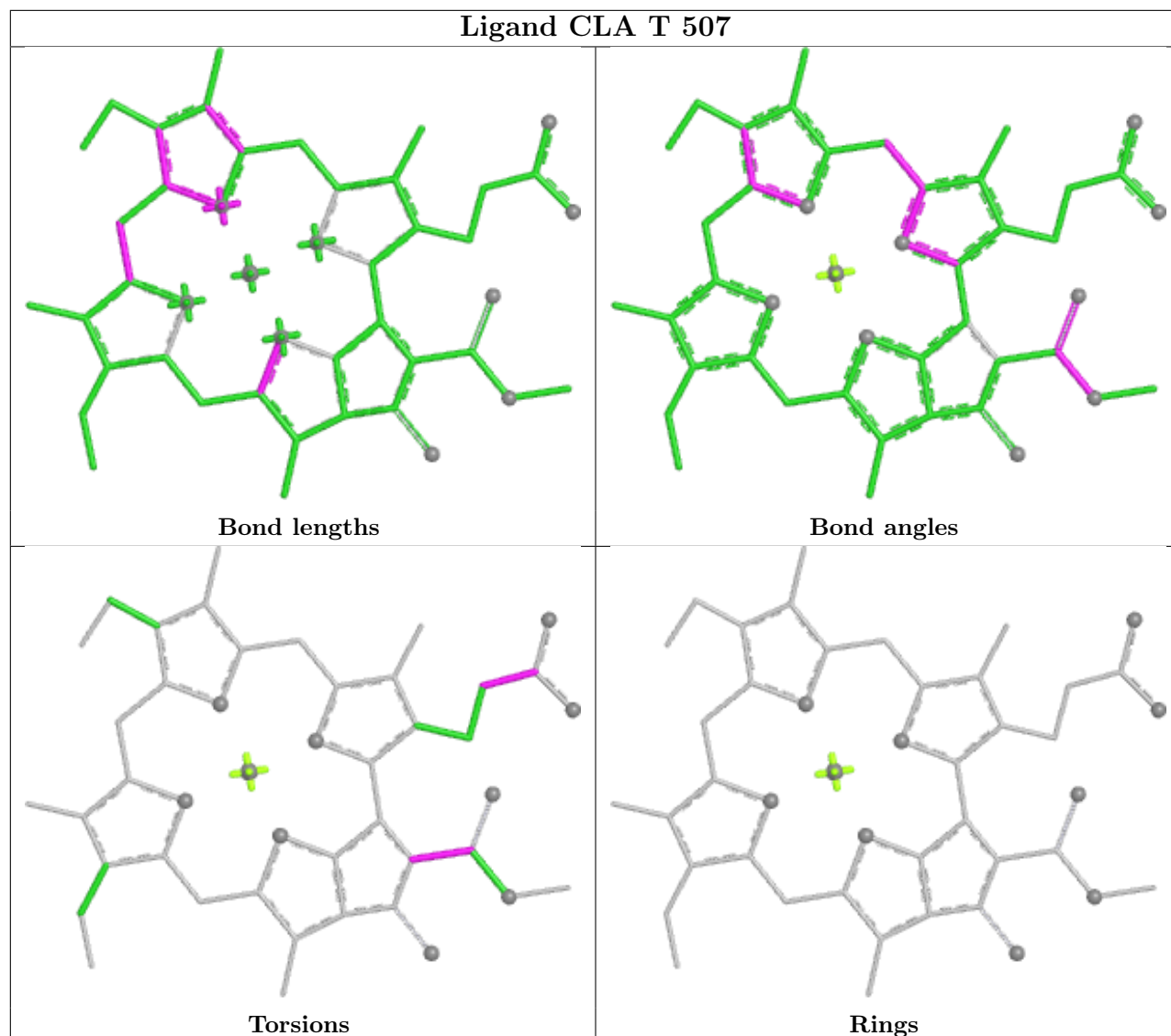
Ligand BCR c3 523



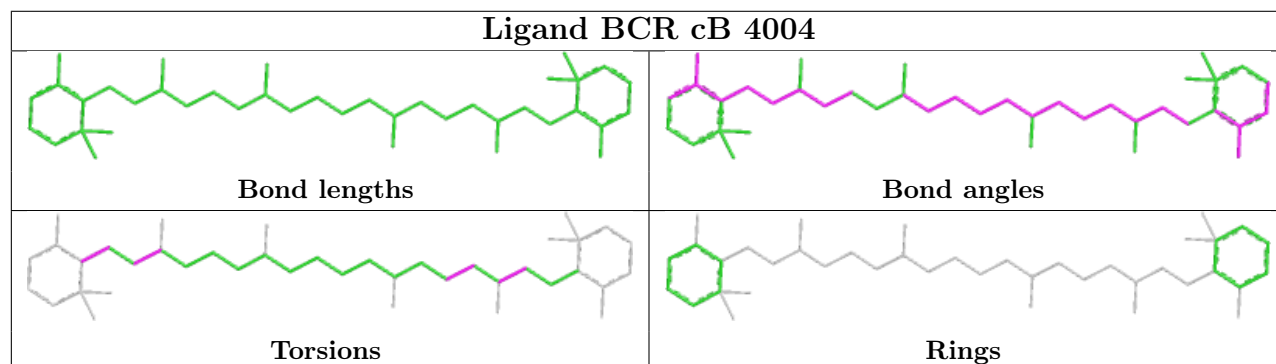




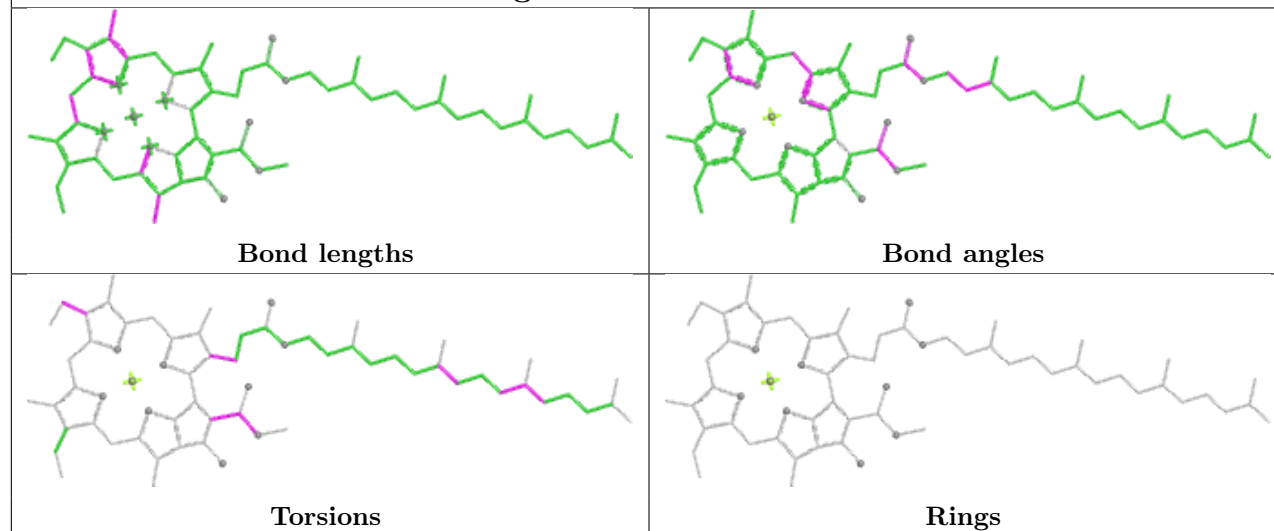
Ligand CLA T 507



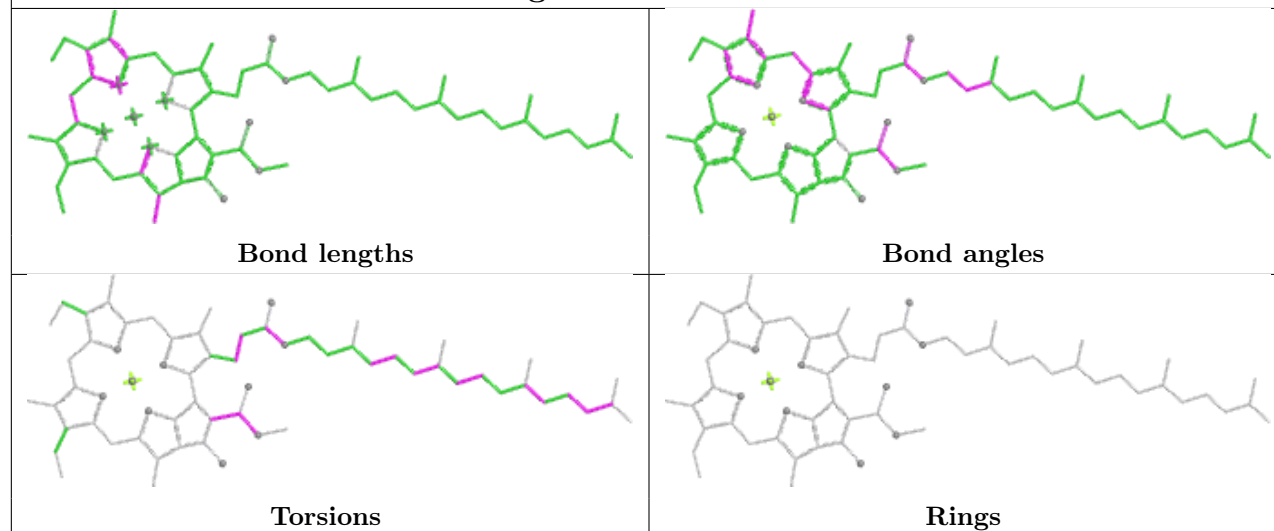
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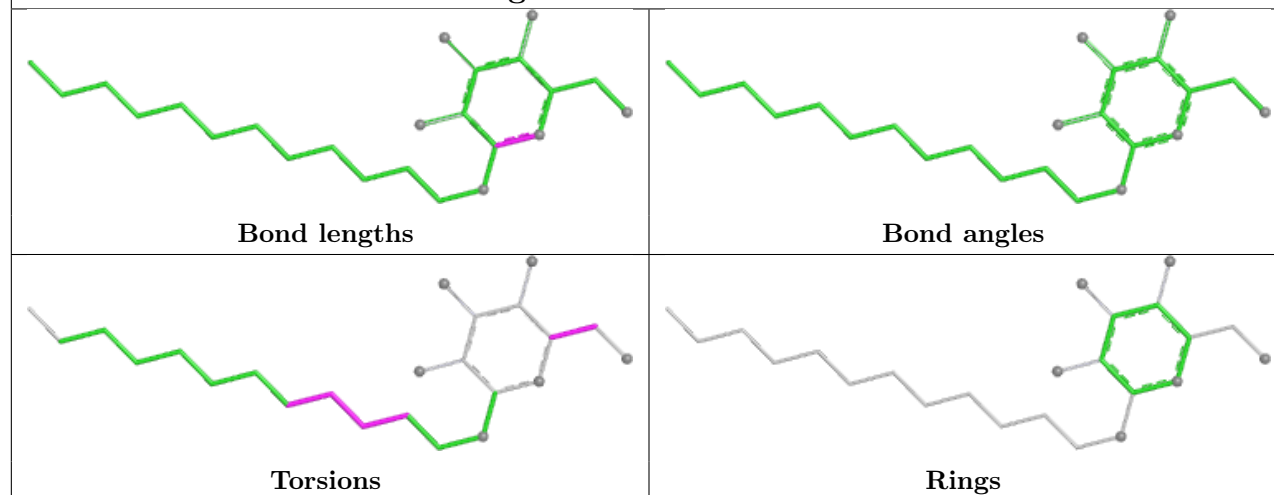
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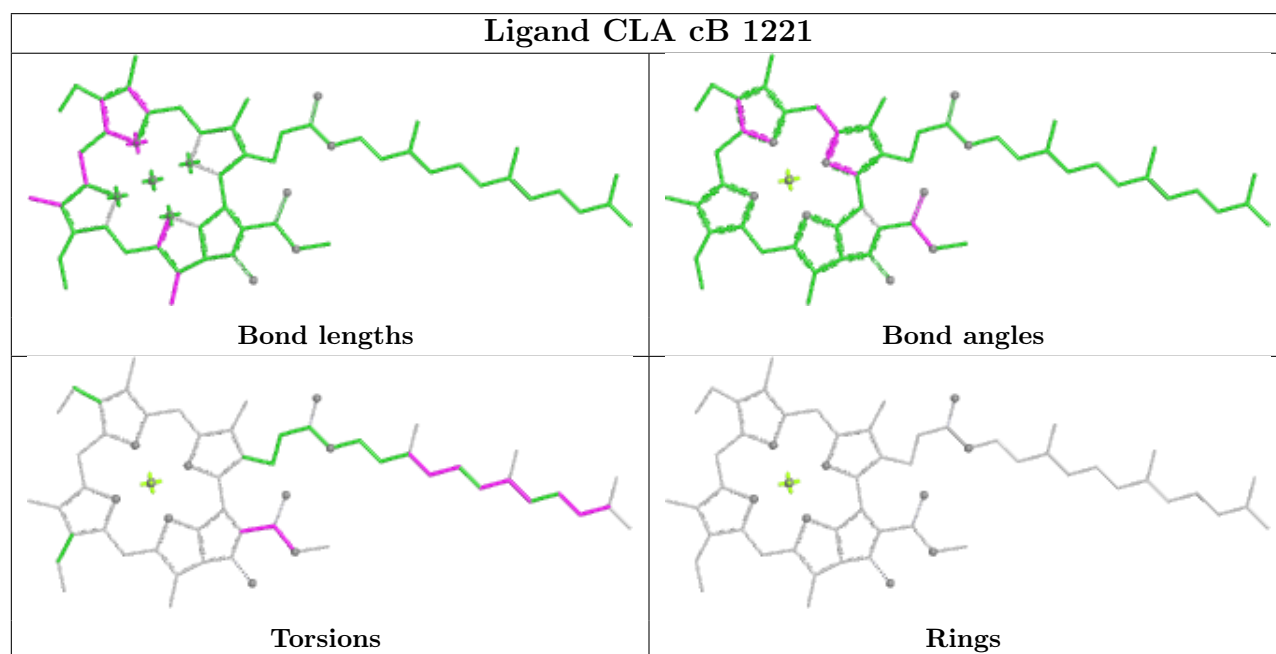
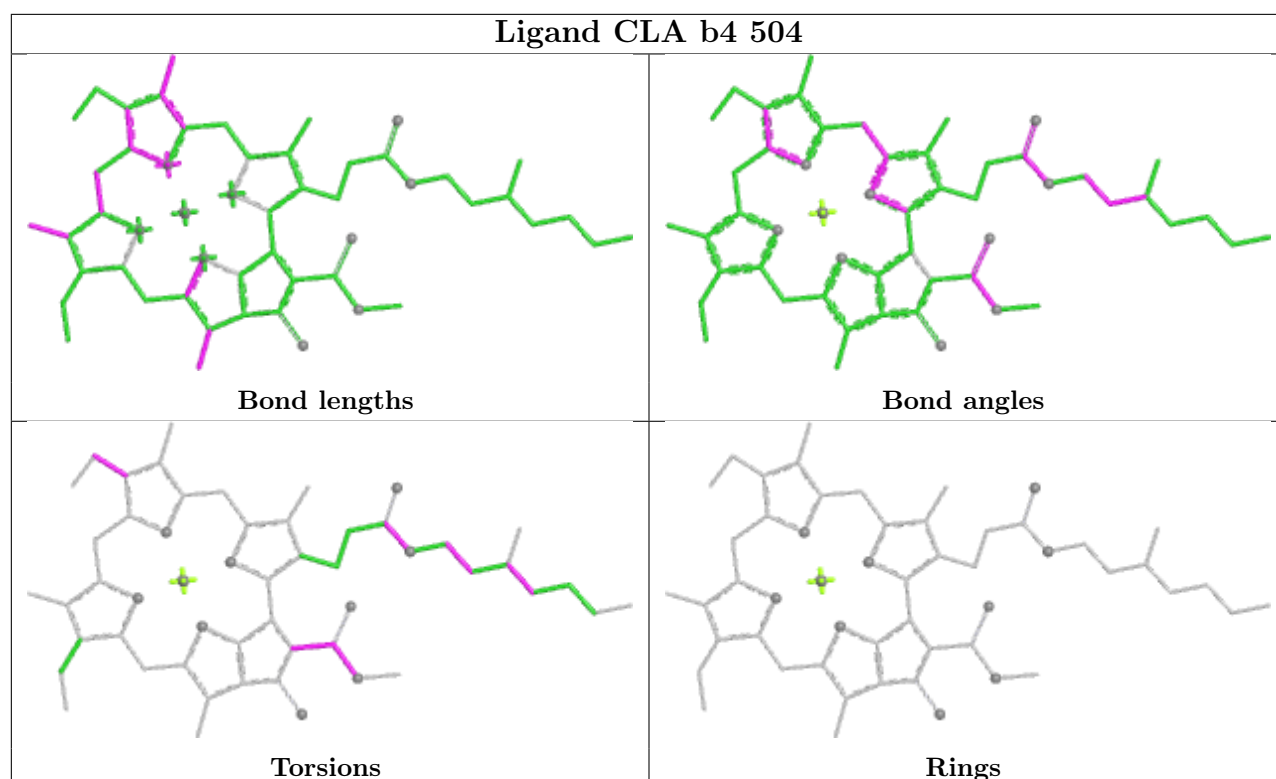


Ligand CLA c2 505

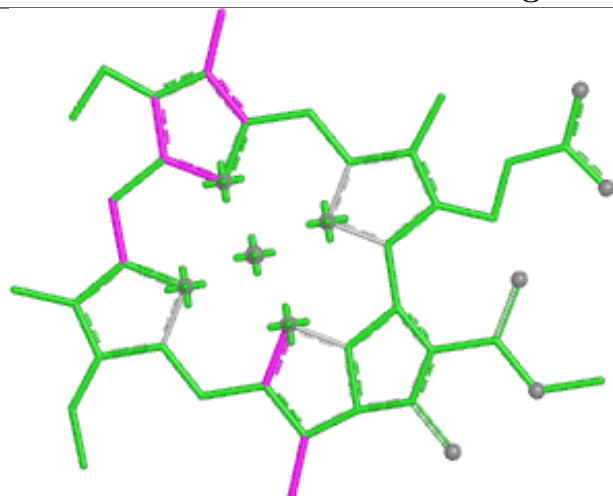


Ligand LMU bA 1848

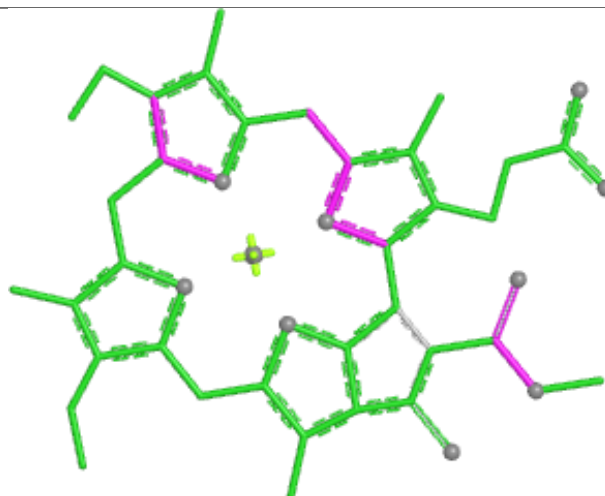




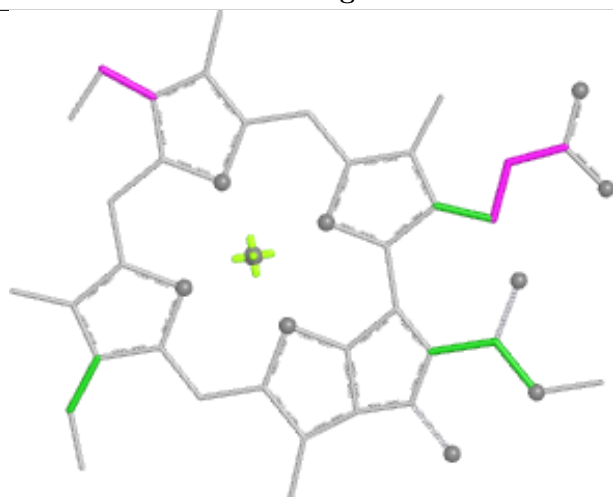
Ligand CLA i 504



Bond lengths



Bond angles

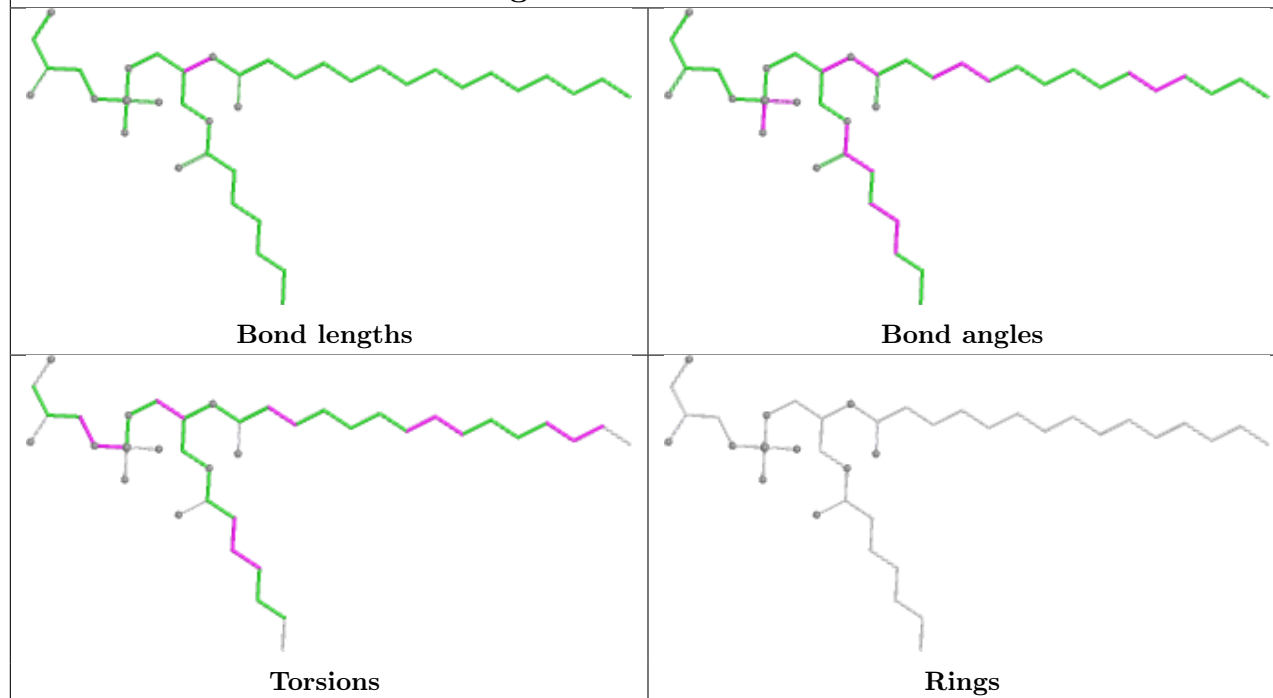


Torsions

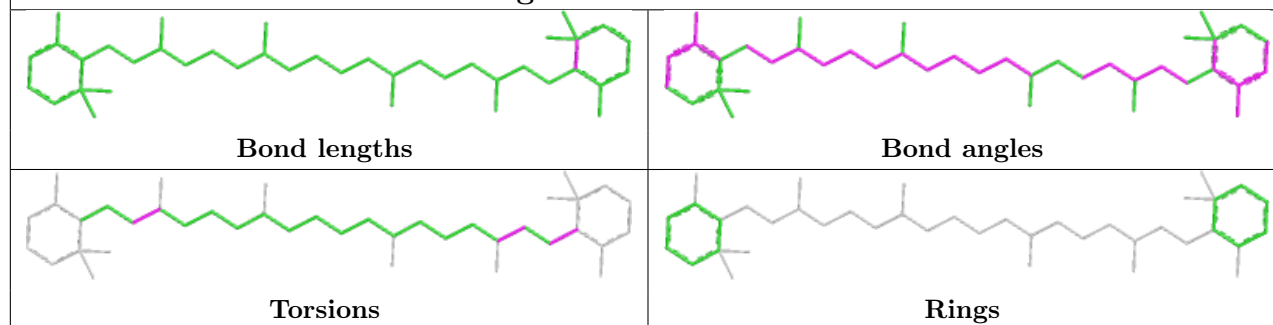


Rings

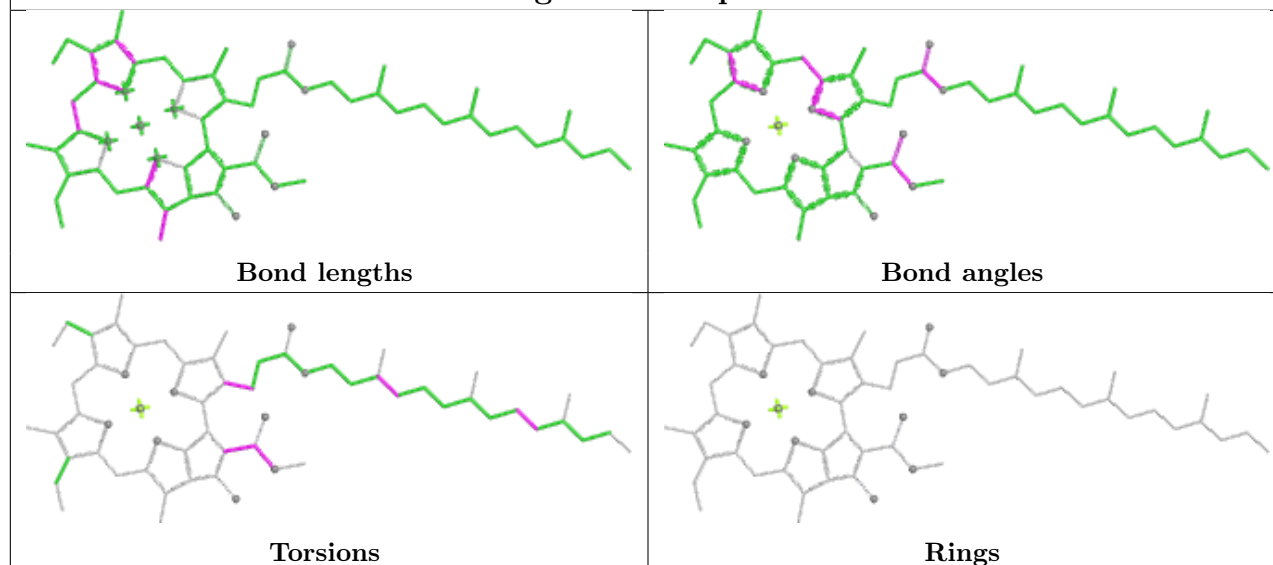
Ligand LHG bX 4021

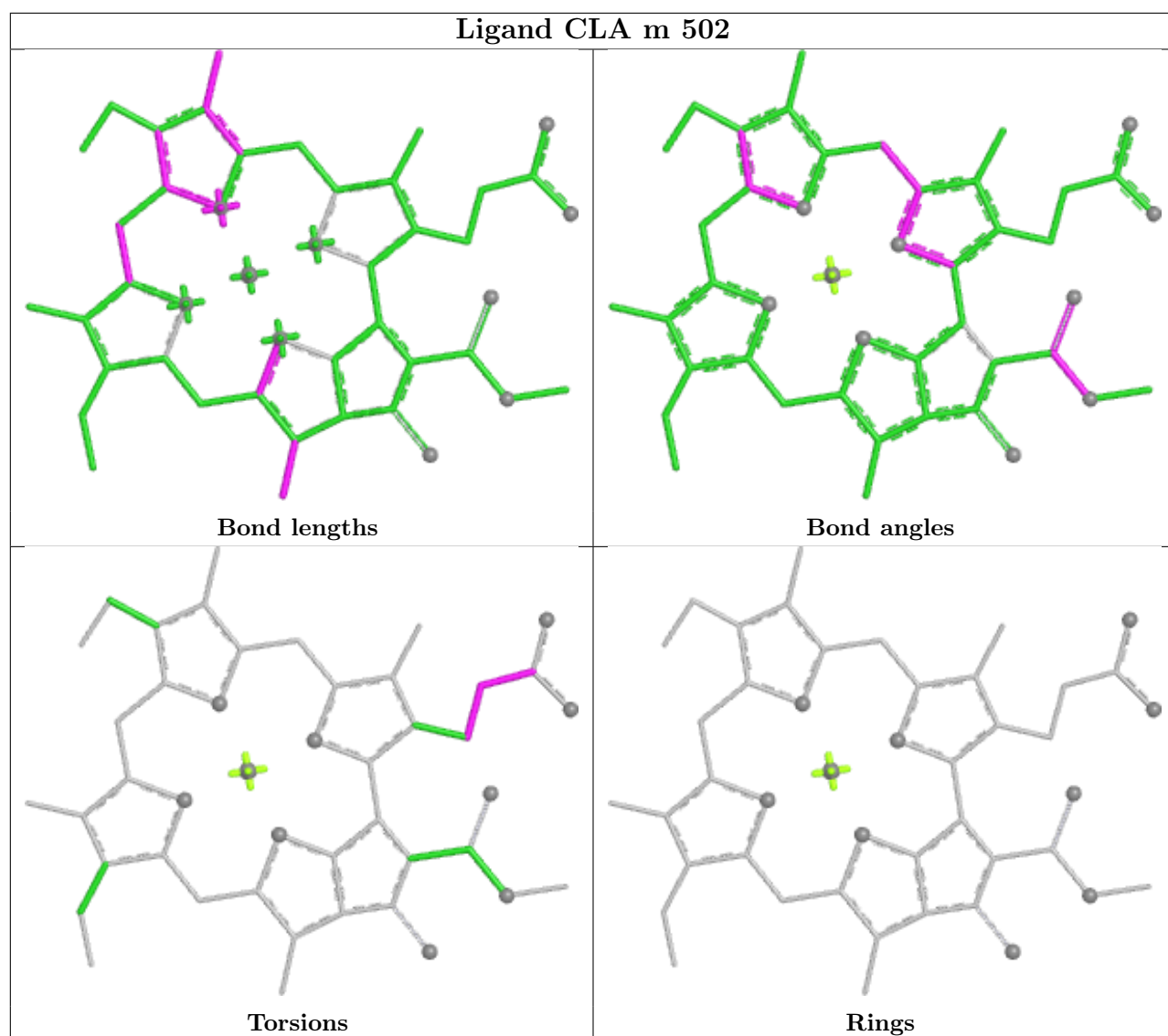


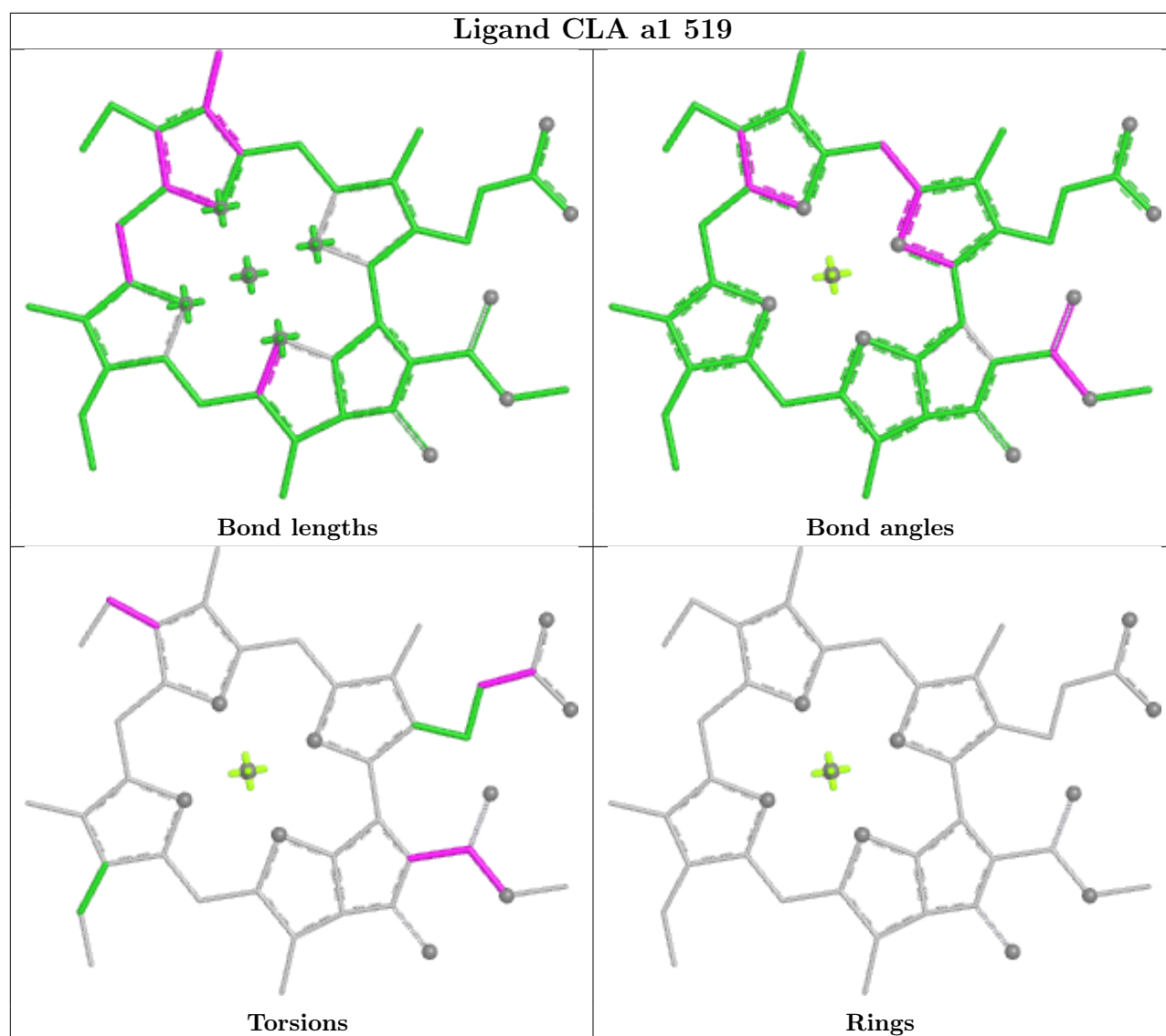
Ligand BCR bi 4018



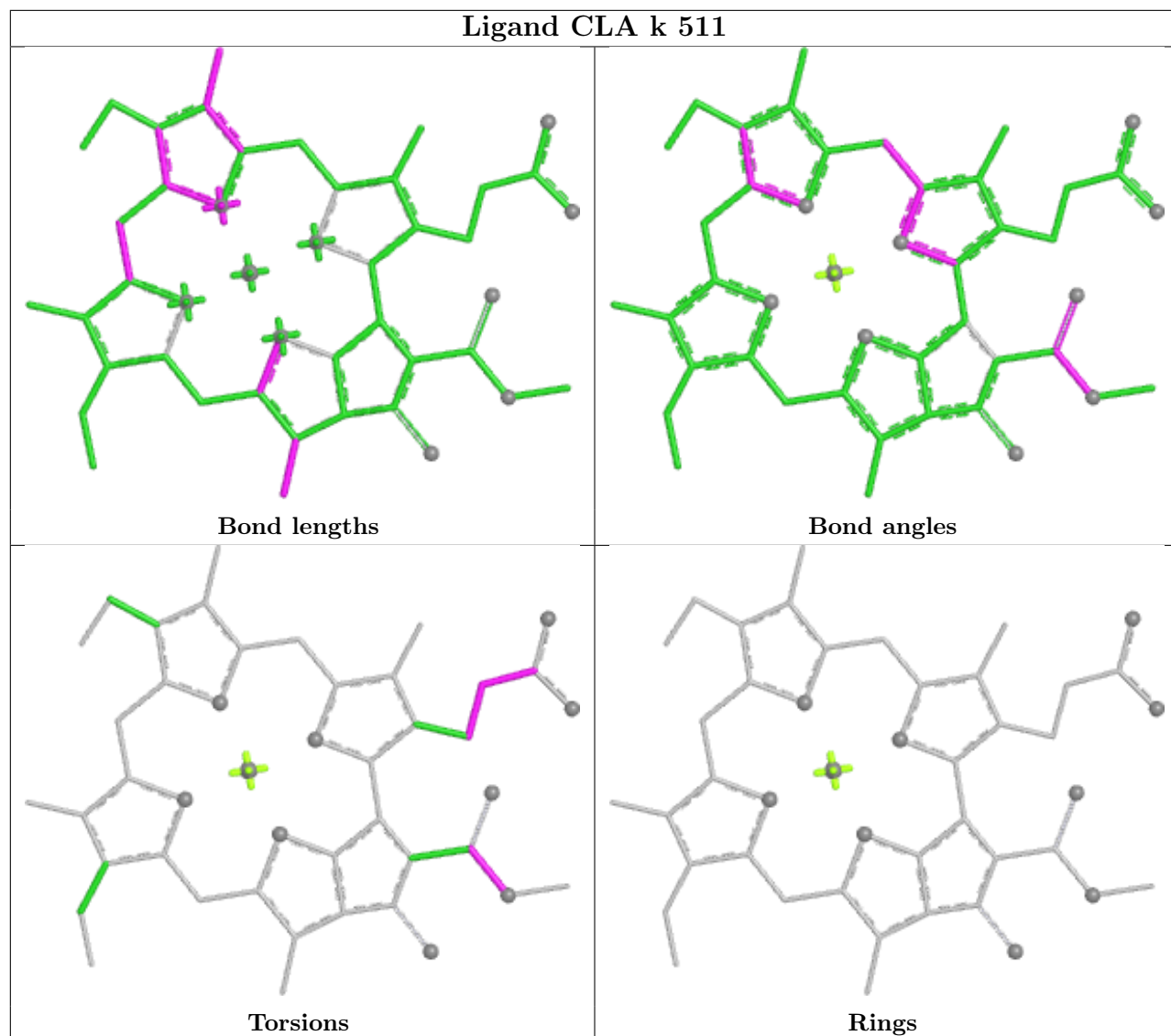
Ligand CLA q 503



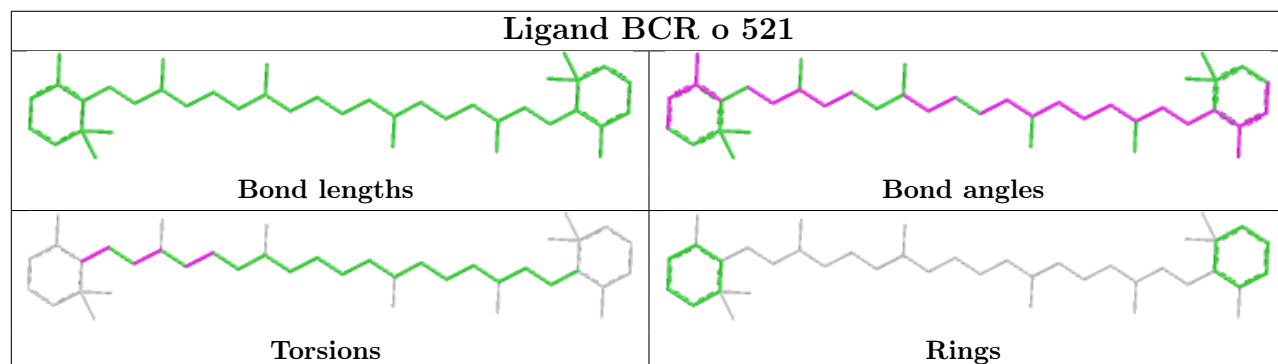




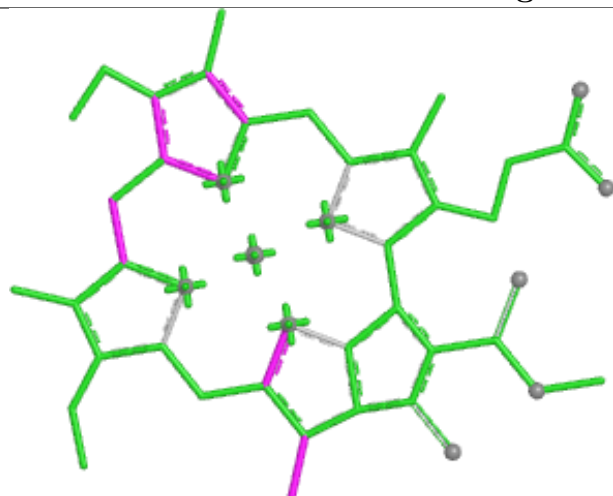
Ligand CLA k 511



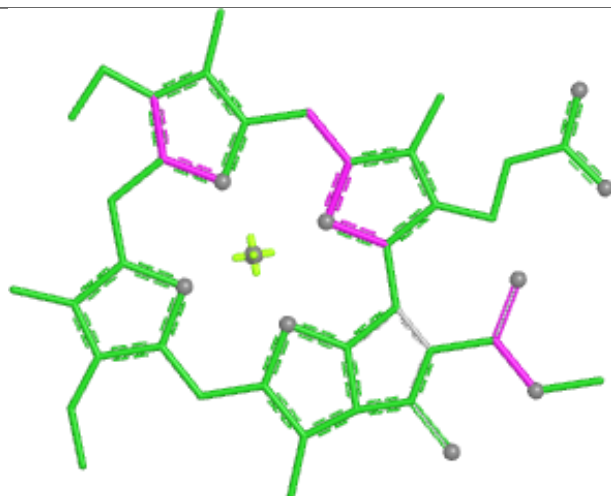
Ligand BCR o 521



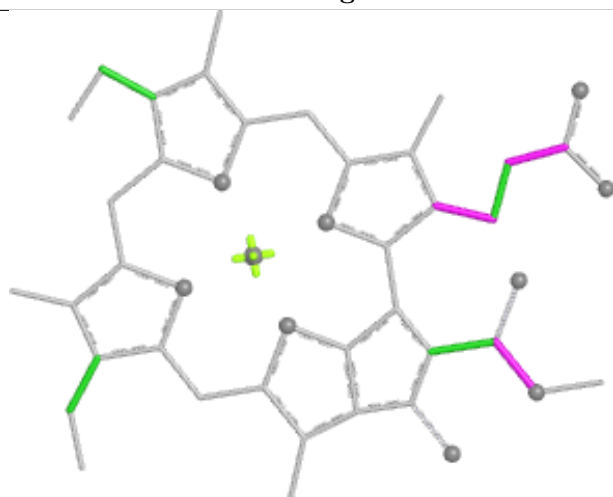
Ligand CLA Z 511



Bond lengths



Bond angles

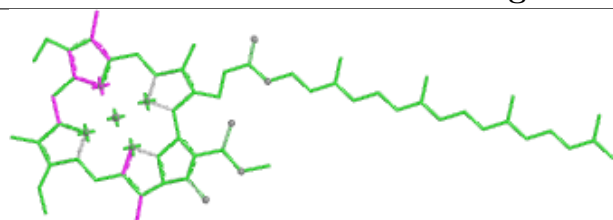


Torsions

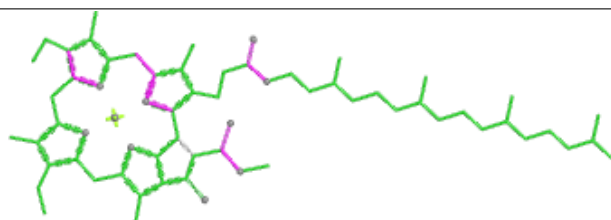


Rings

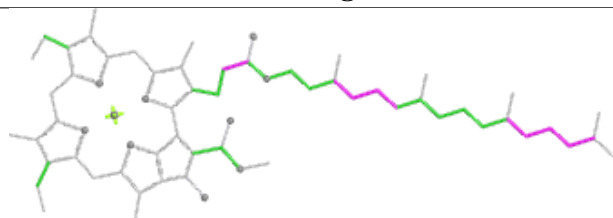
Ligand CLA W 510



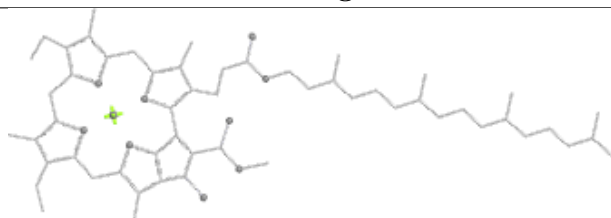
Bond lengths



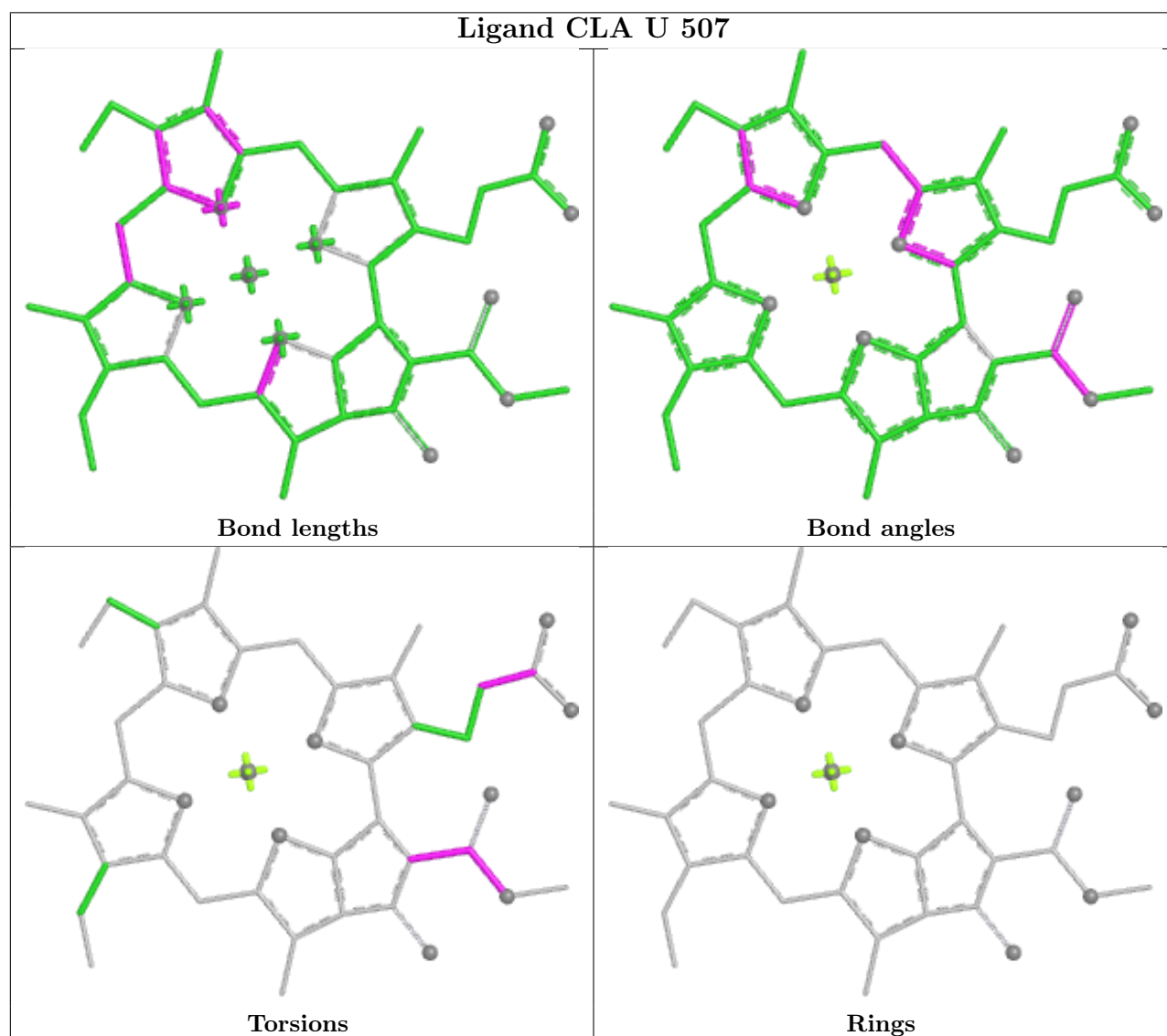
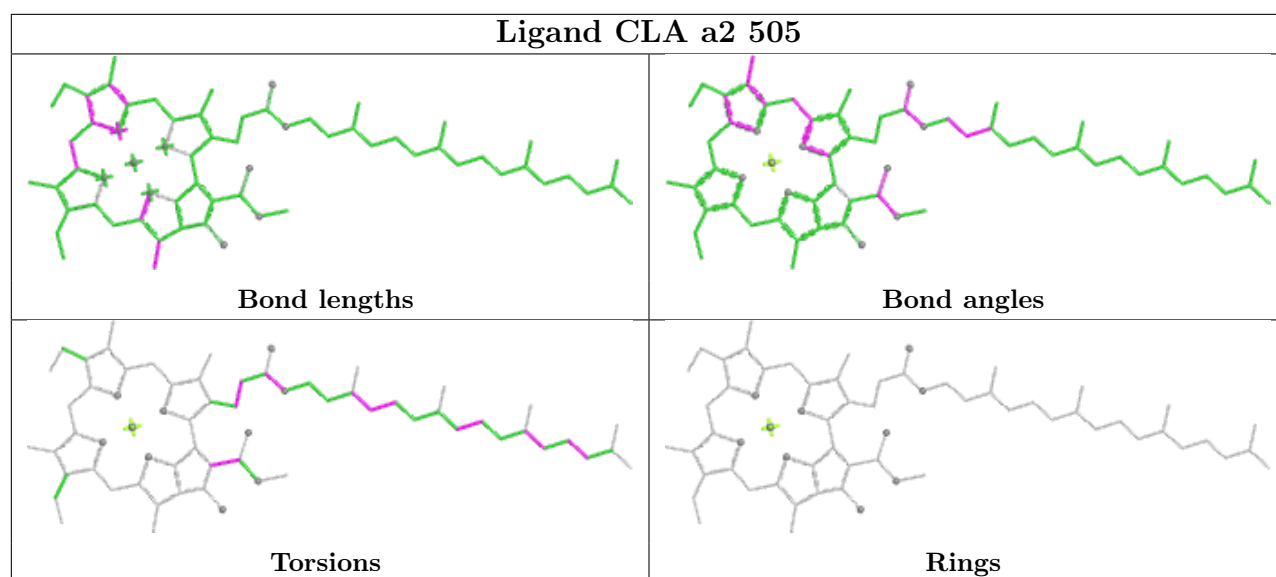
Bond angles



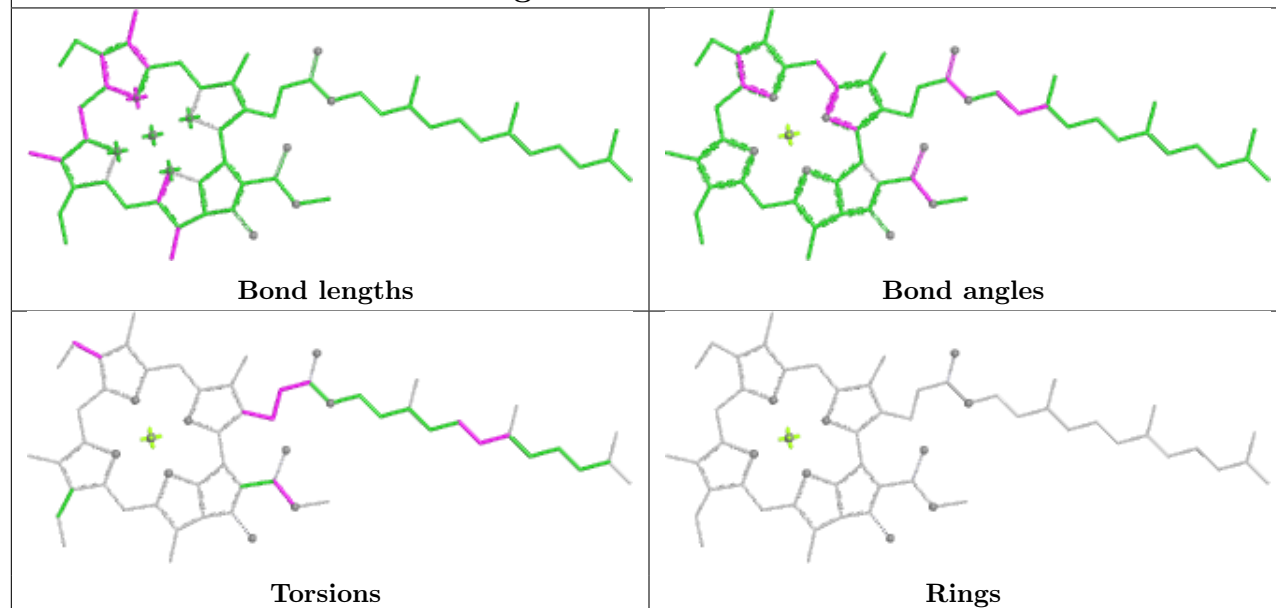
Torsions



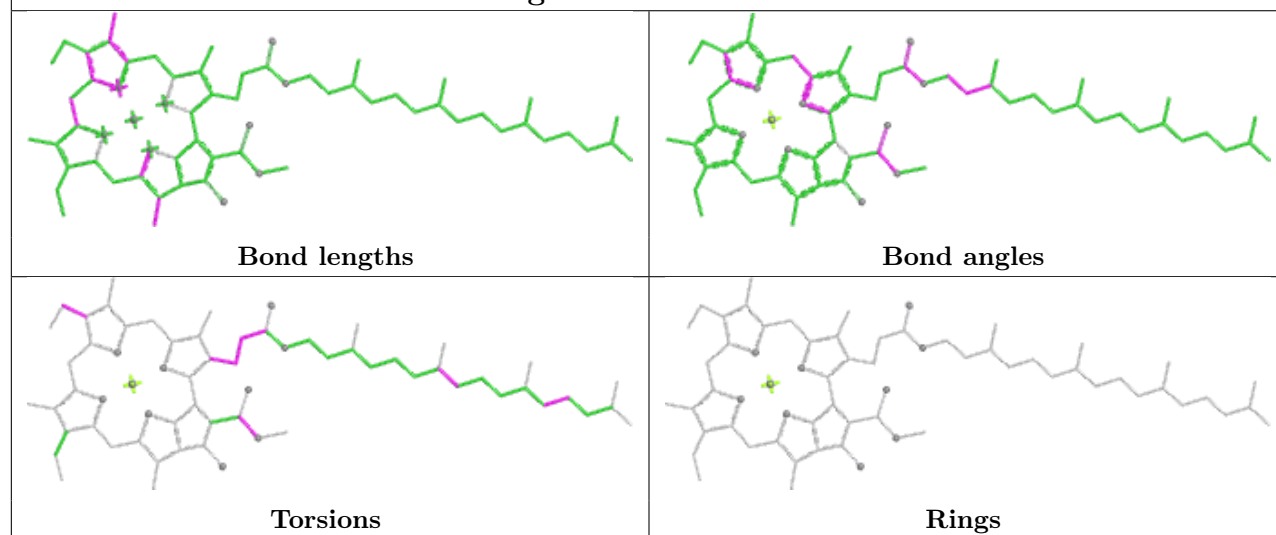
Rings



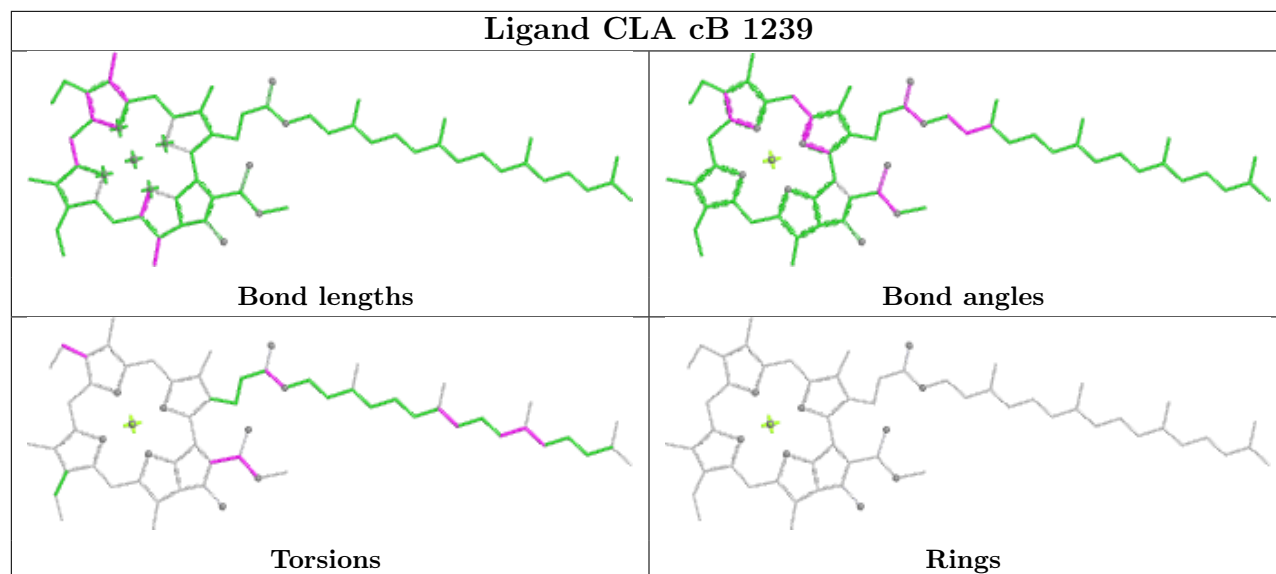
Ligand CLA aA 1116



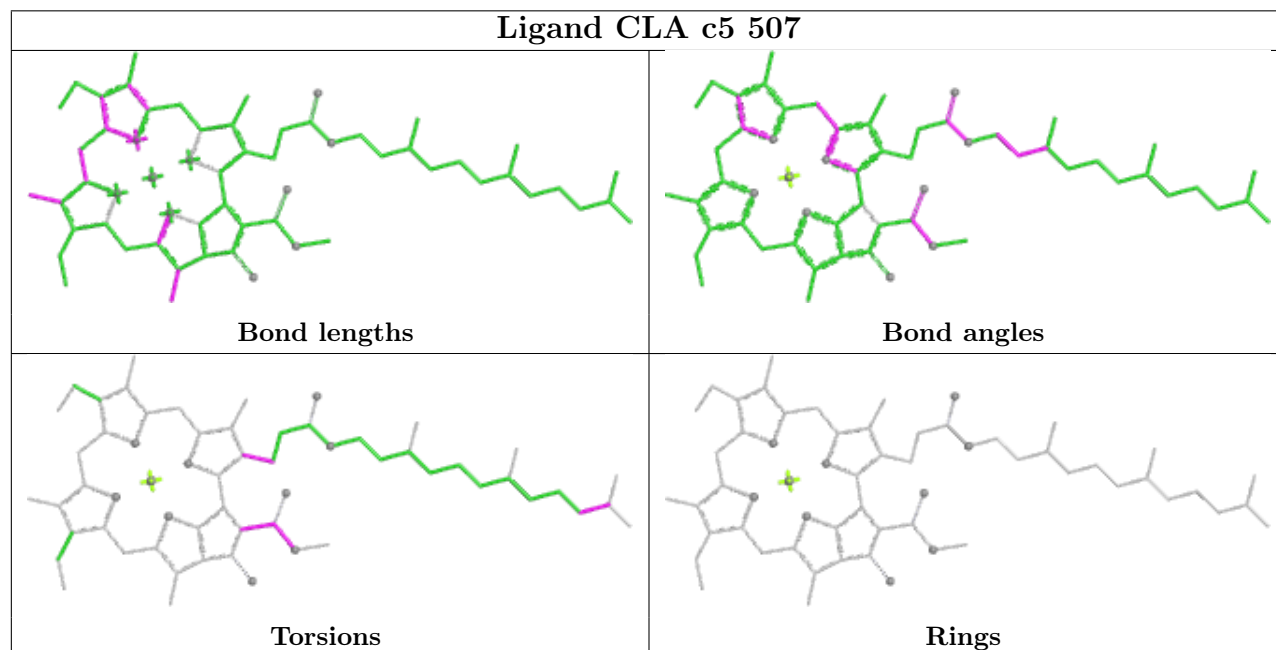
Ligand CLA a6 501

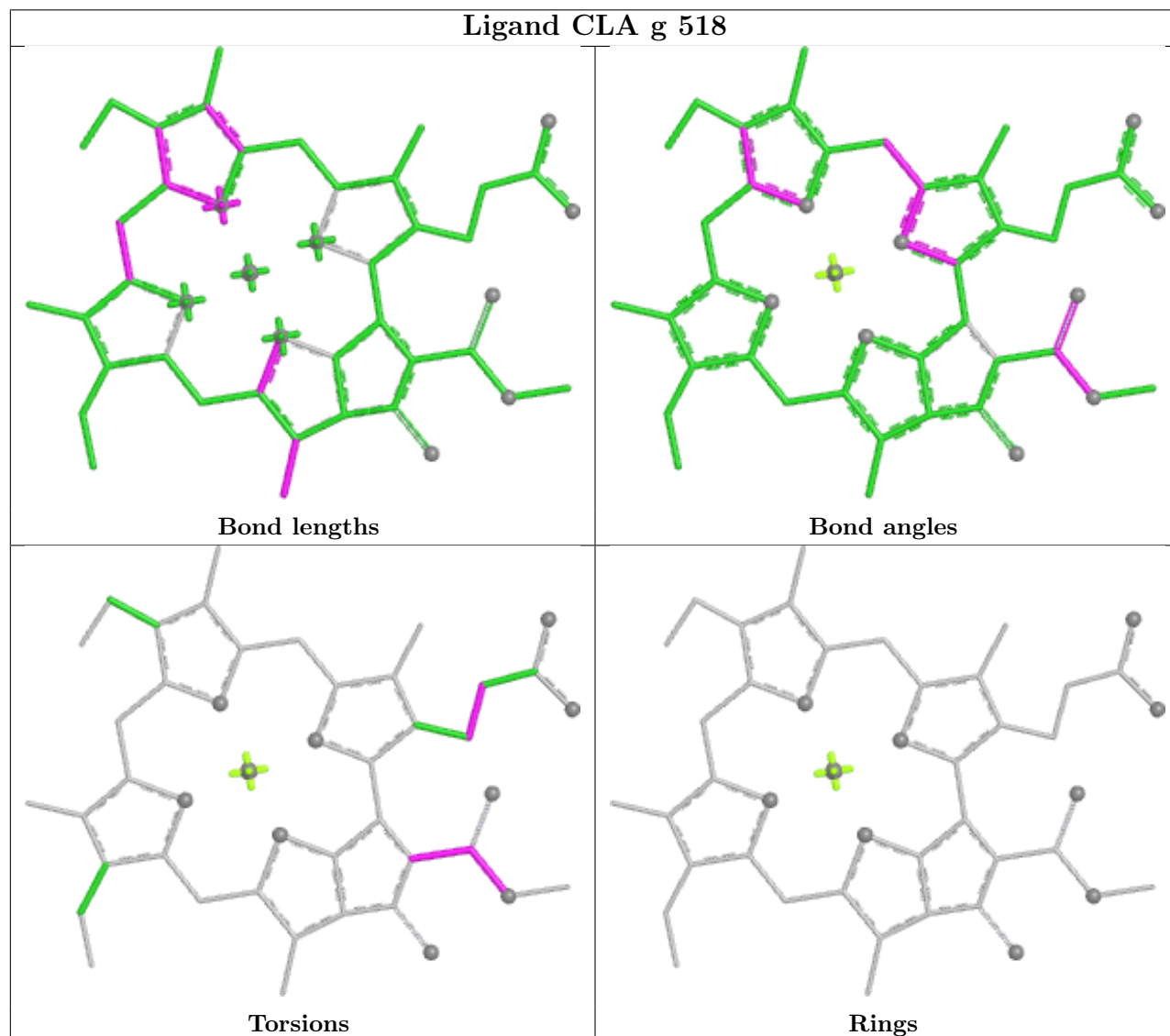
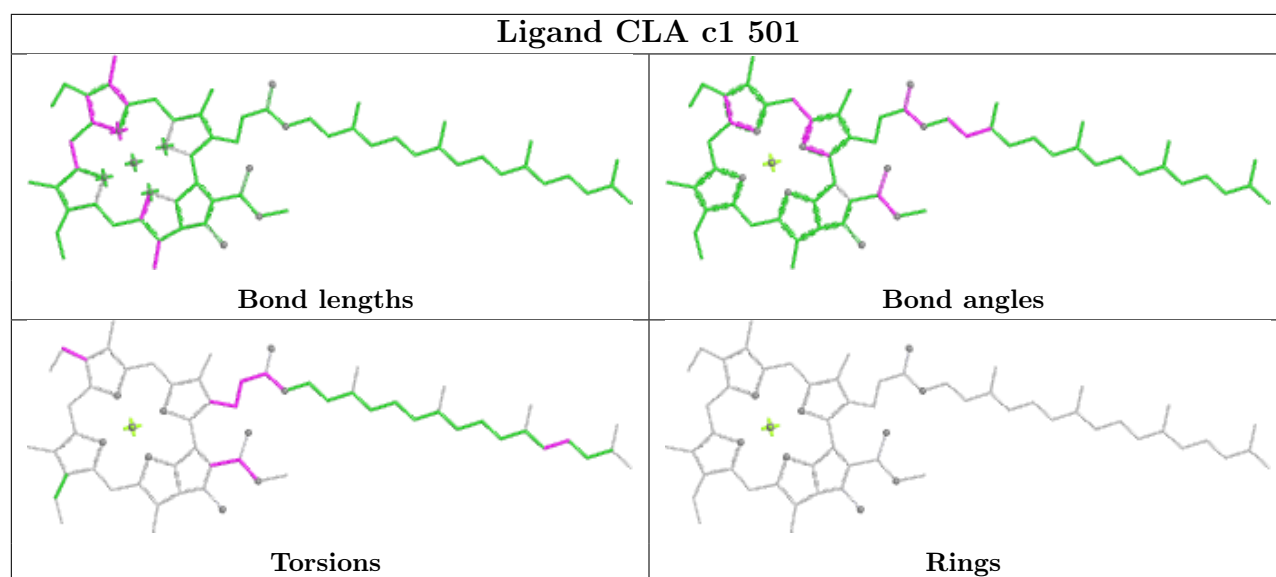


Ligand CLA cB 1239

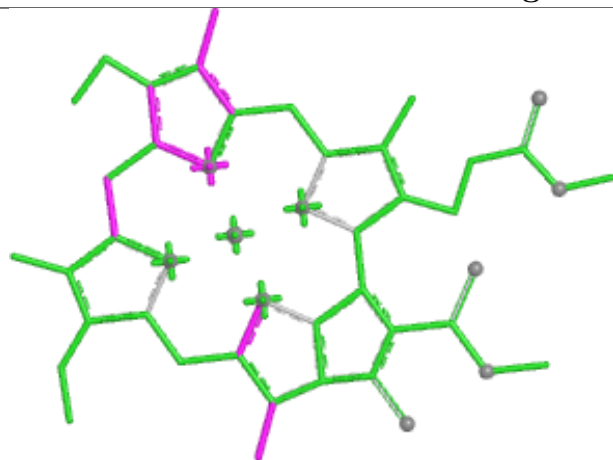


Ligand CLA c5 507

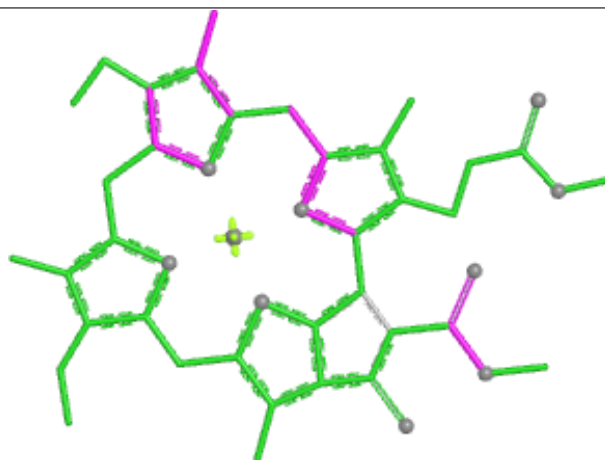




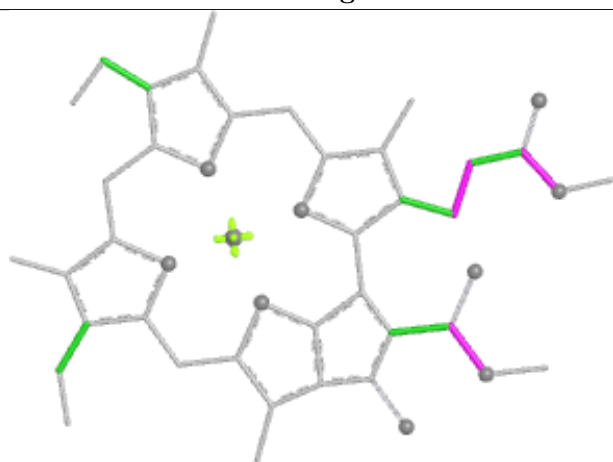
Ligand CLA 1 508



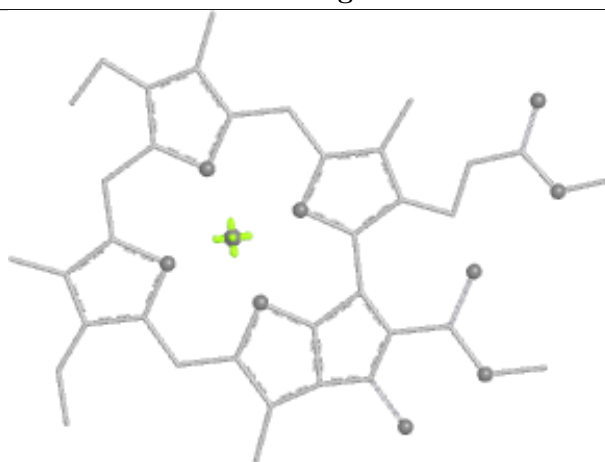
Bond lengths



Bond angles

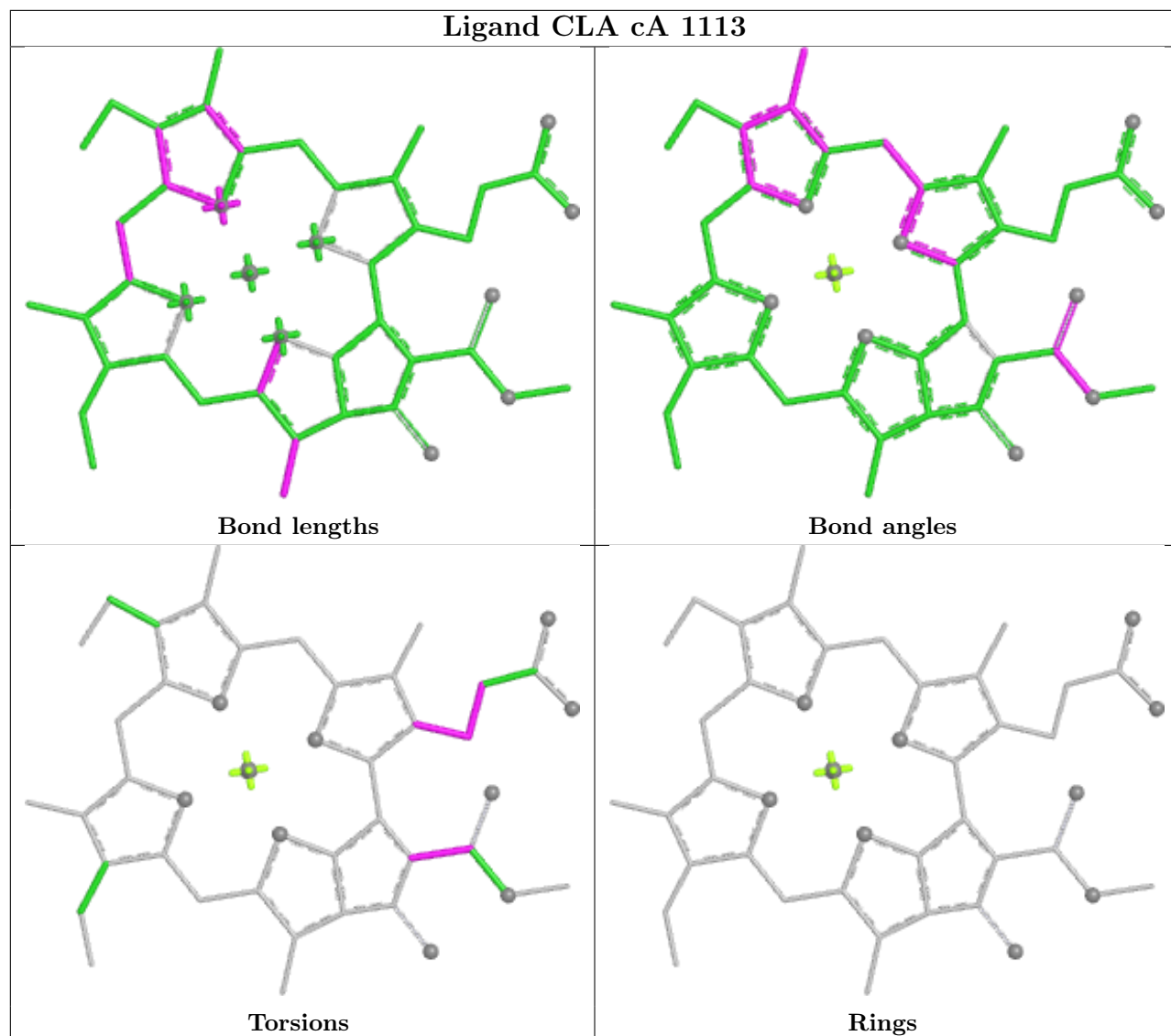


Torsions

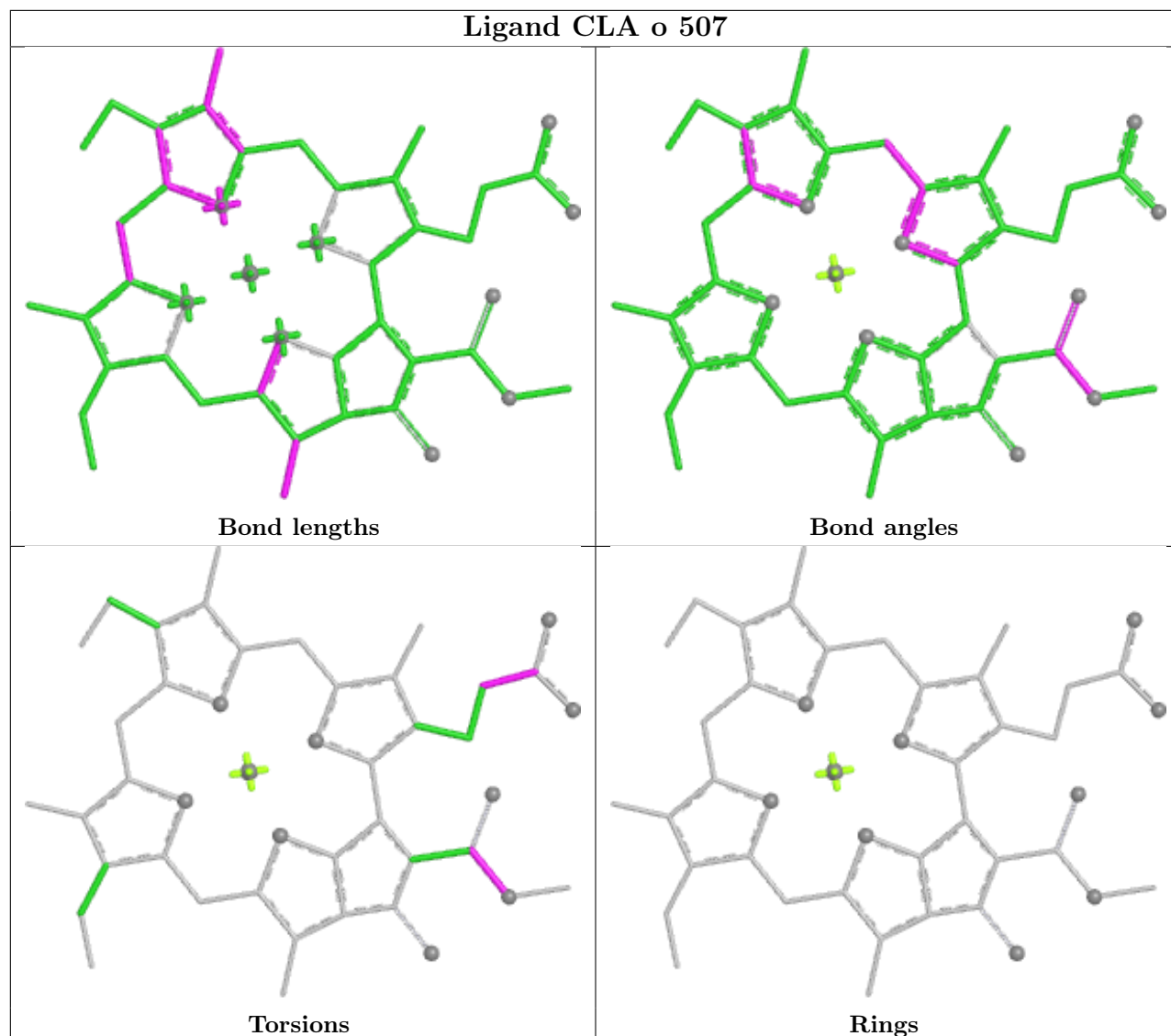


Rings

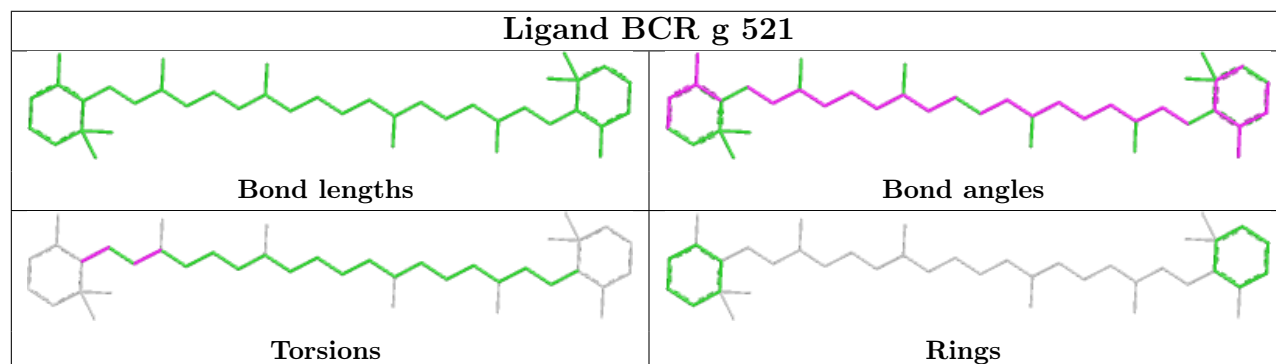
Ligand CLA cA 1113



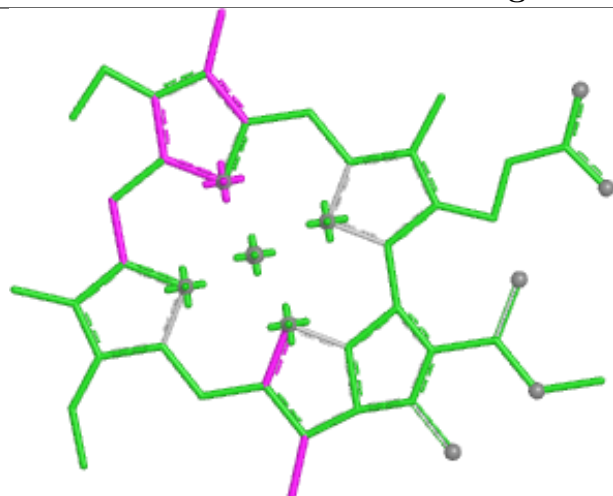
Ligand CLA o 507



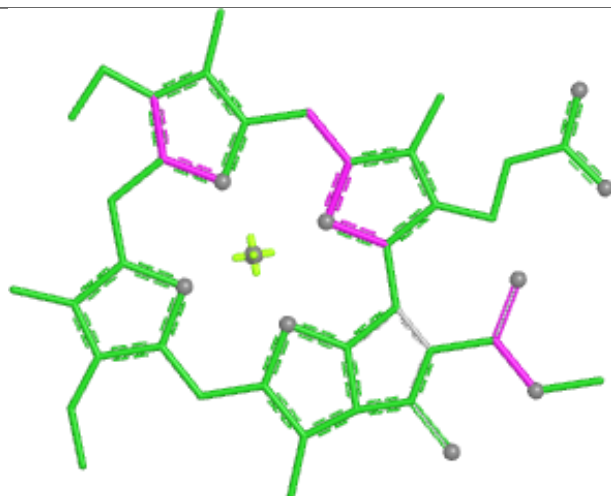
Ligand BCR g 521



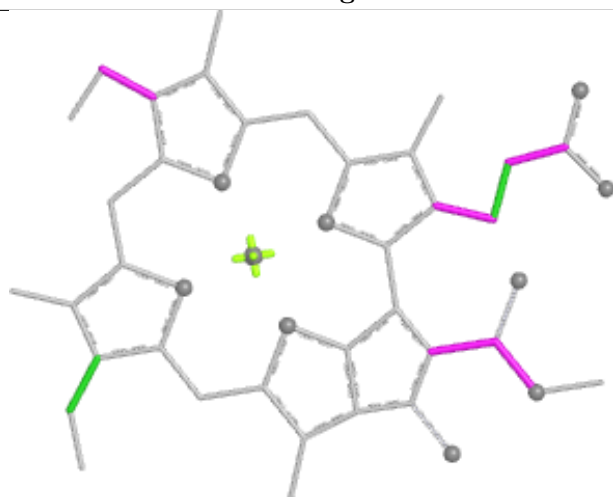
Ligand CLA b1 516



Bond lengths



Bond angles

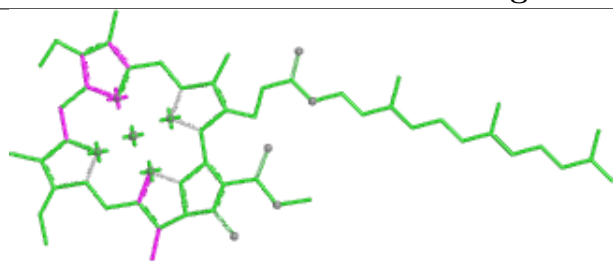


Torsions

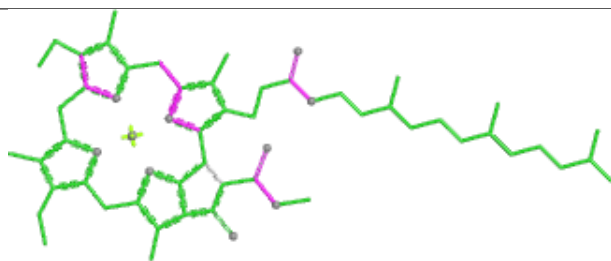


Rings

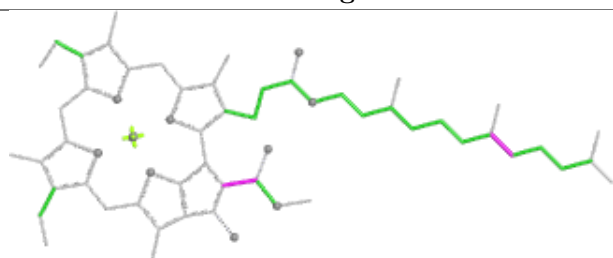
Ligand CLA c3 507



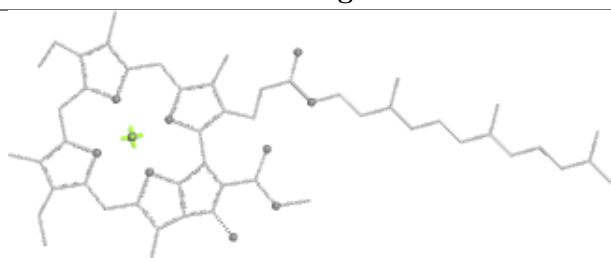
Bond lengths



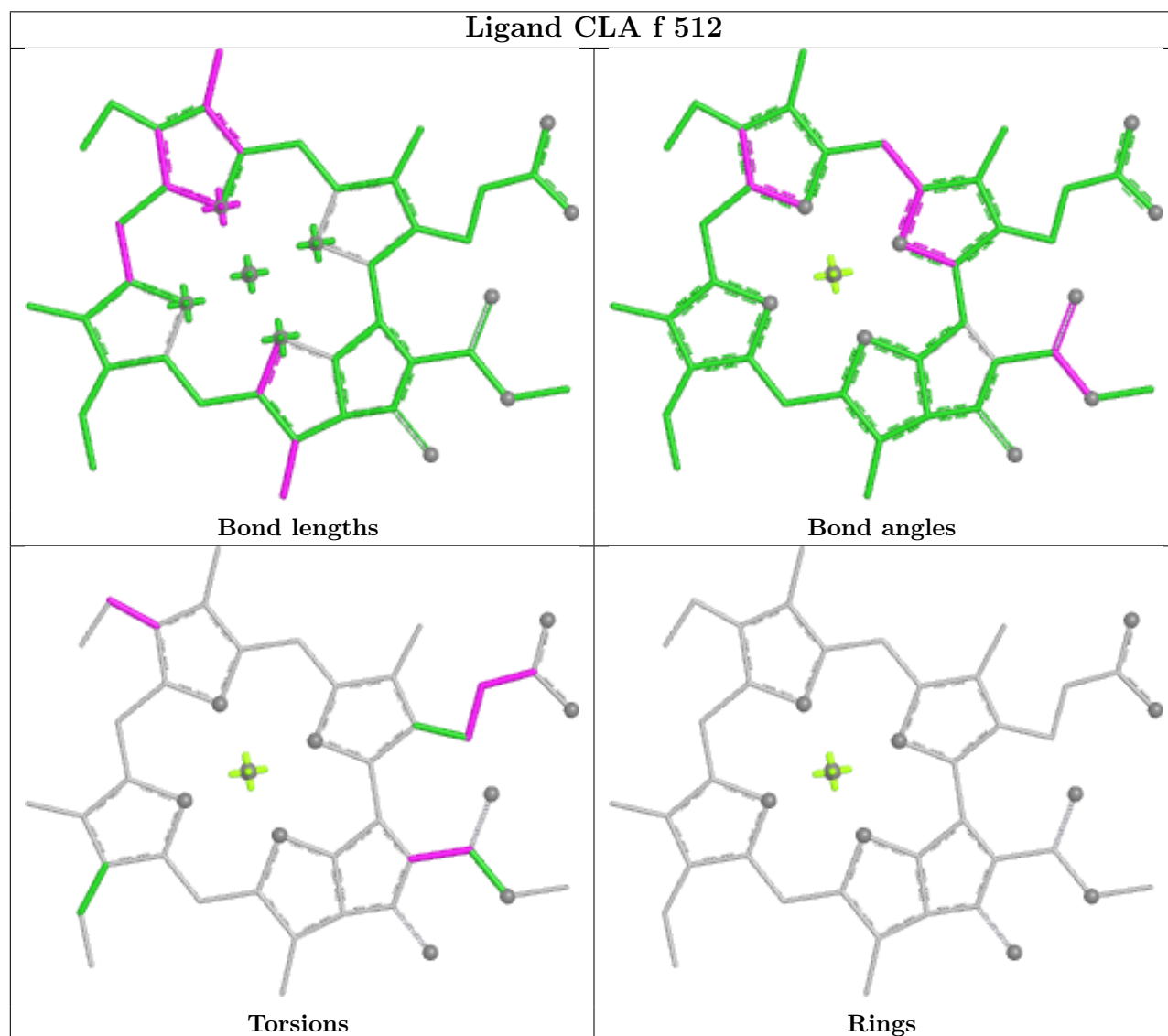
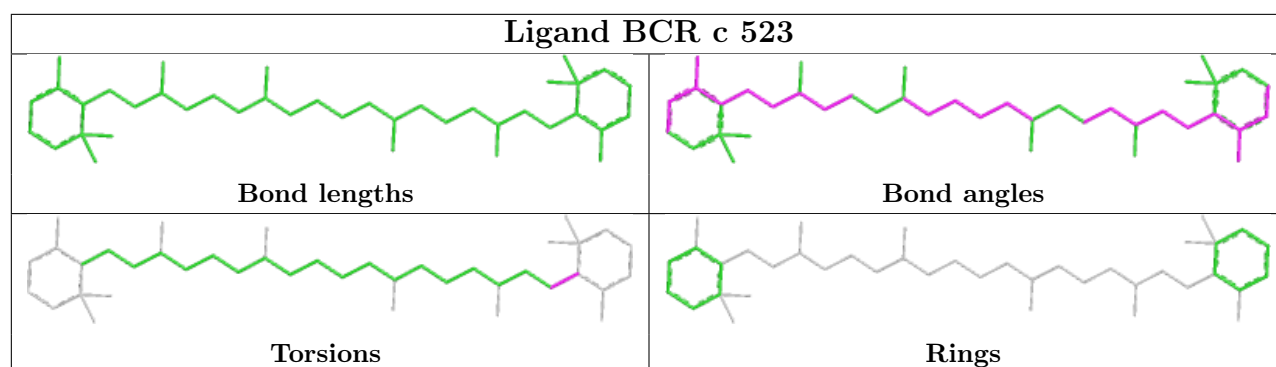
Bond angles

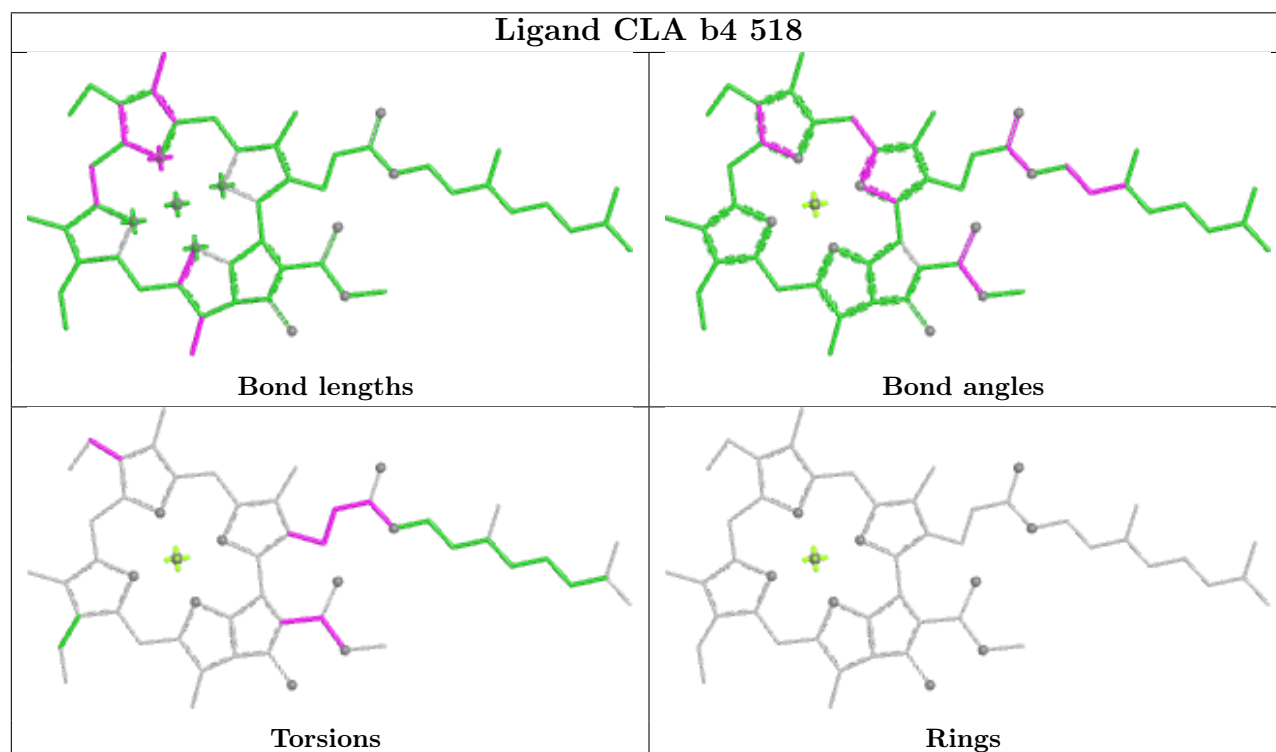
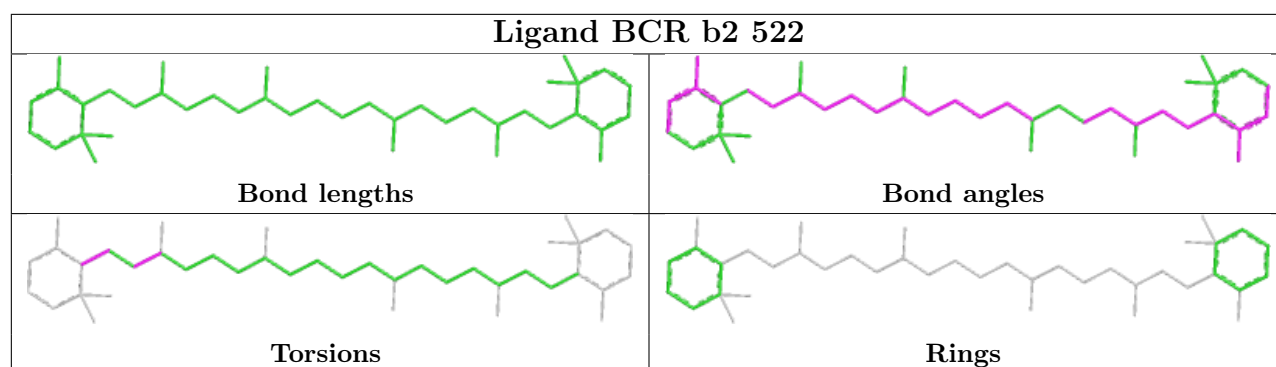


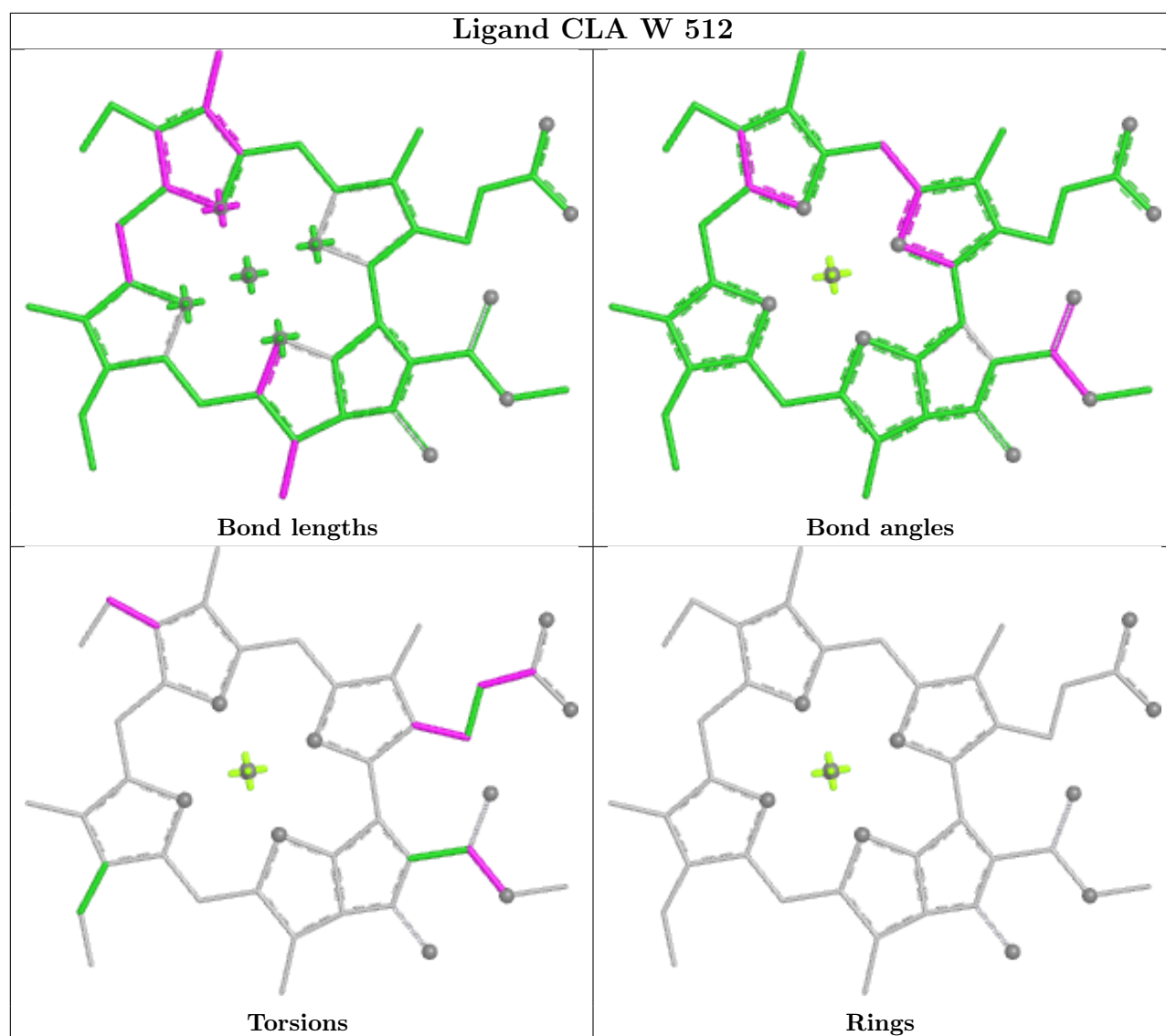
Torsions



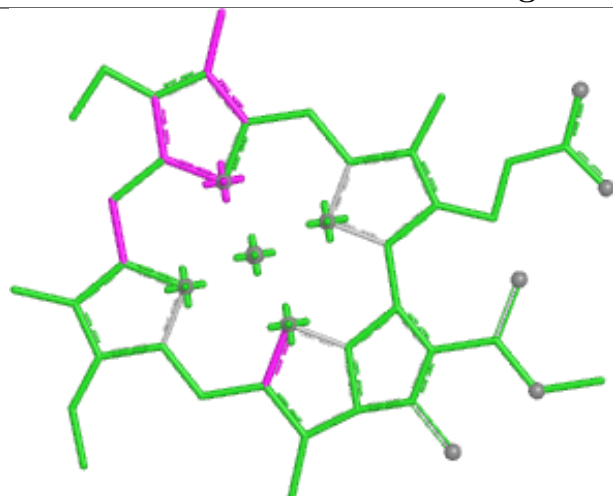
Rings



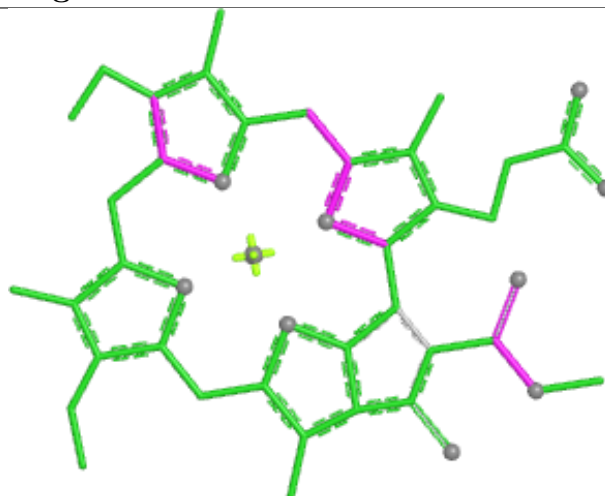




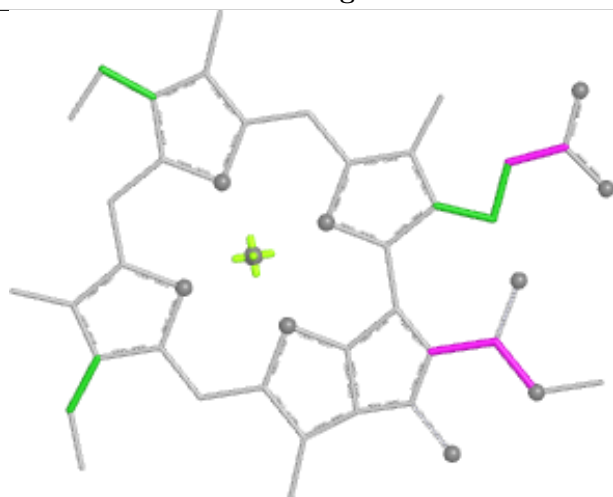
Ligand CLA g 506



Bond lengths



Bond angles

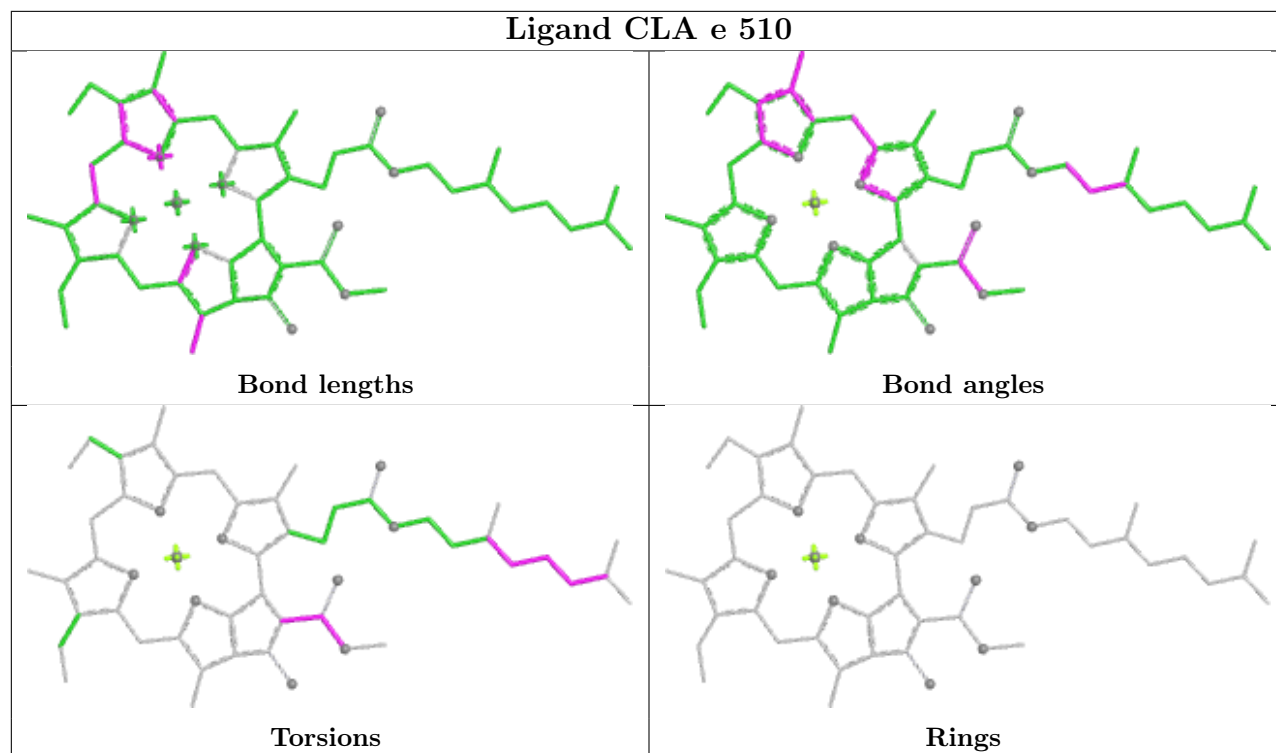


Torsions

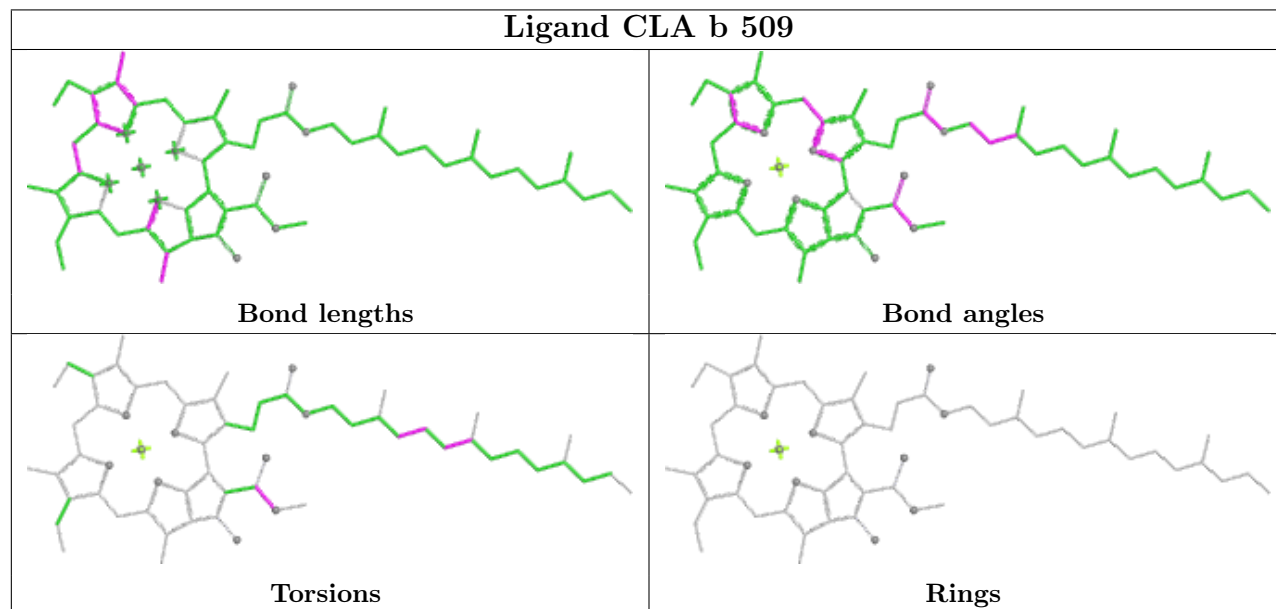


Rings

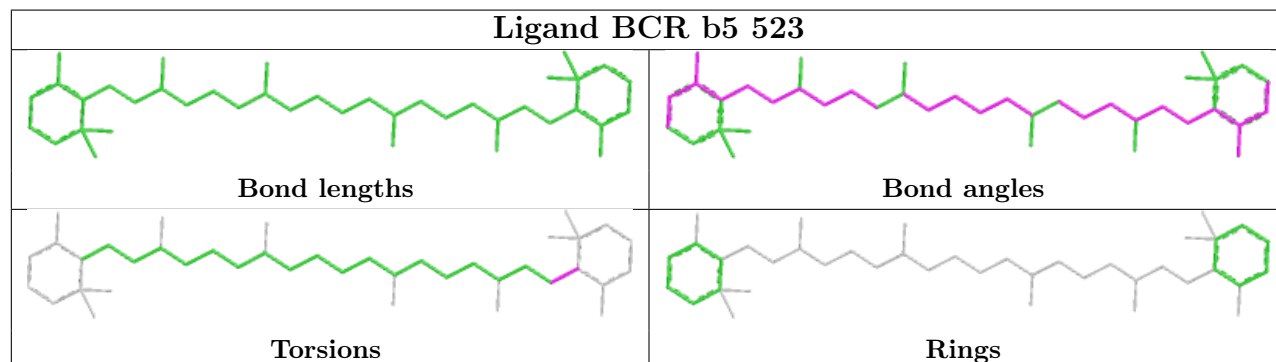
Ligand CLA e 510

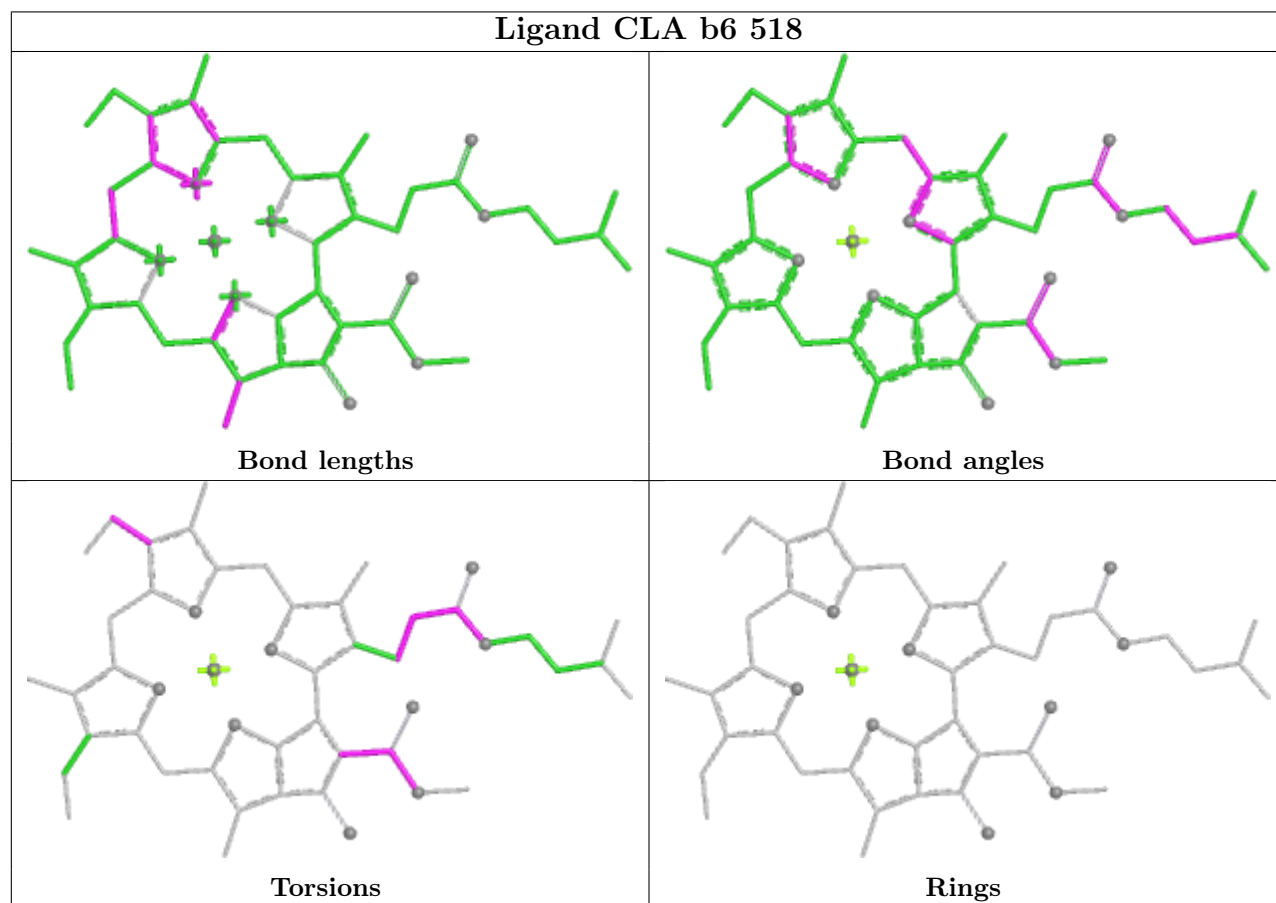
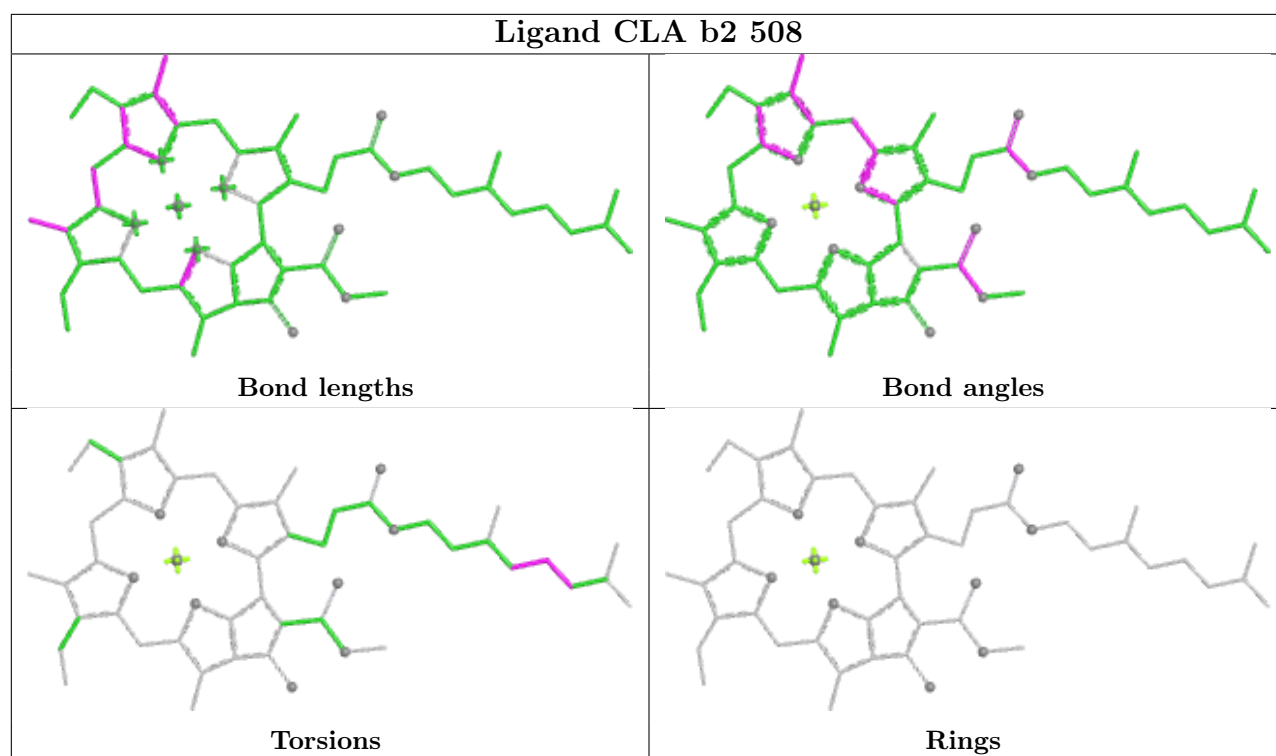


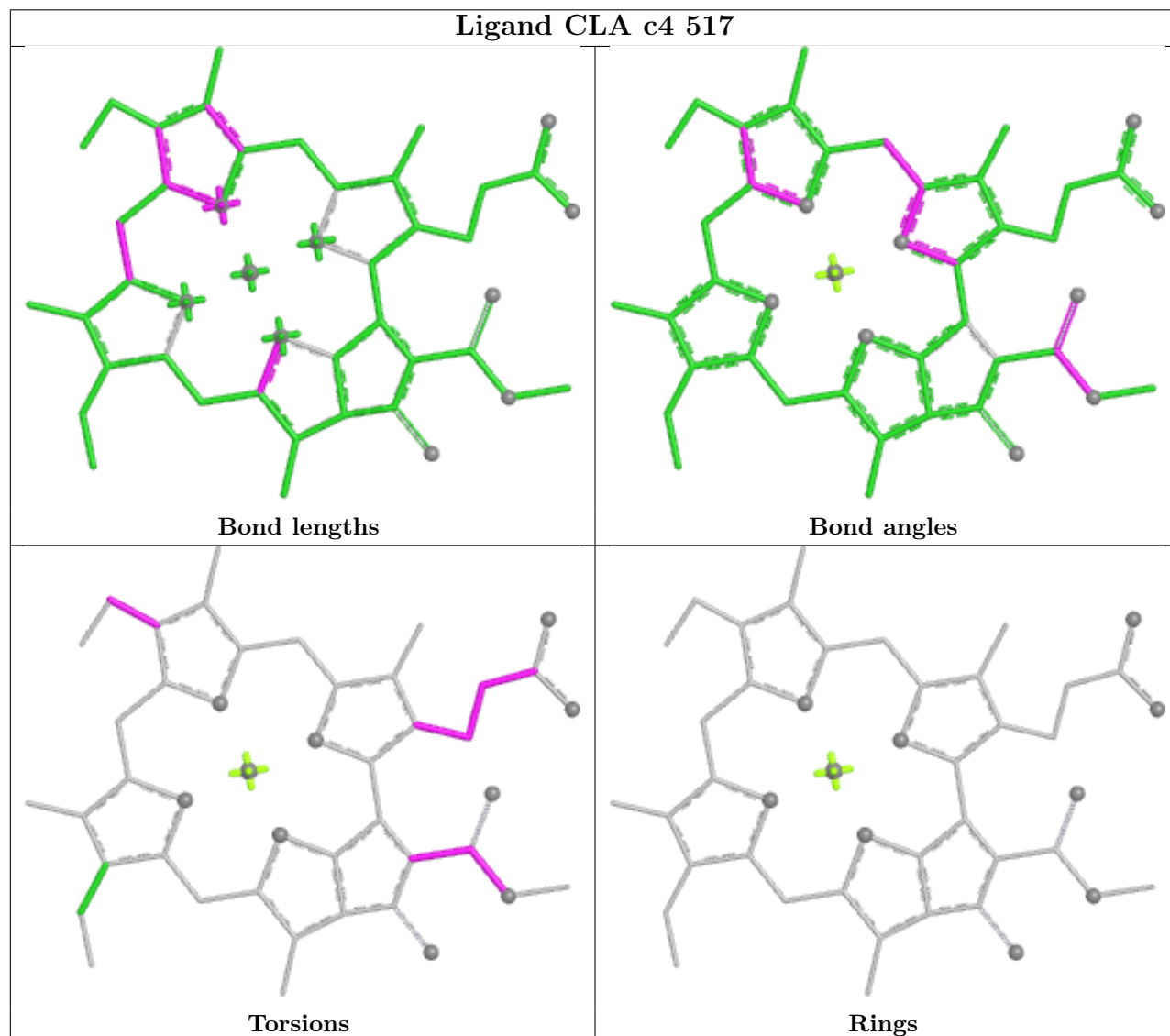
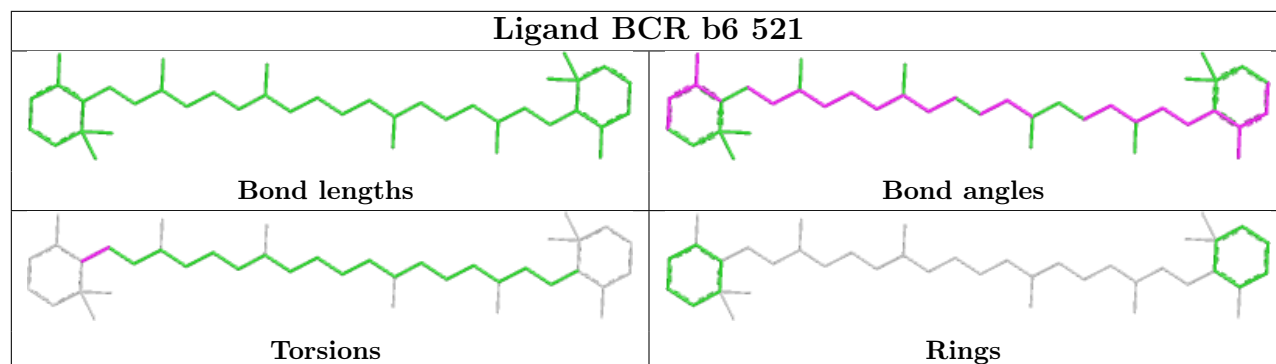
Ligand CLA b 509



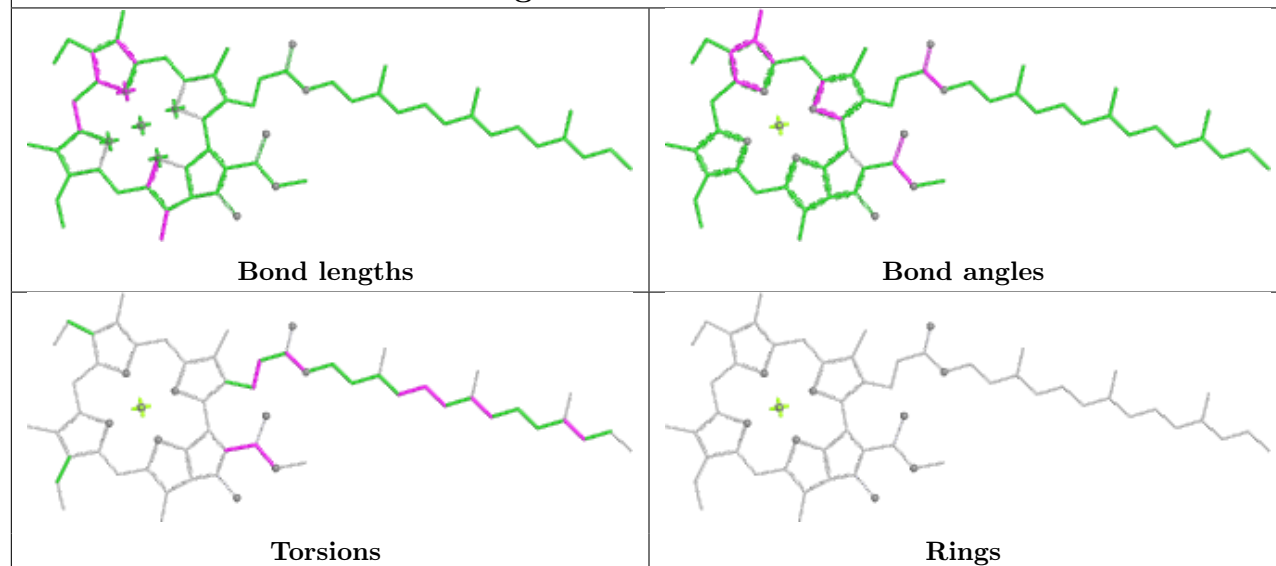
Ligand BCR b5 523



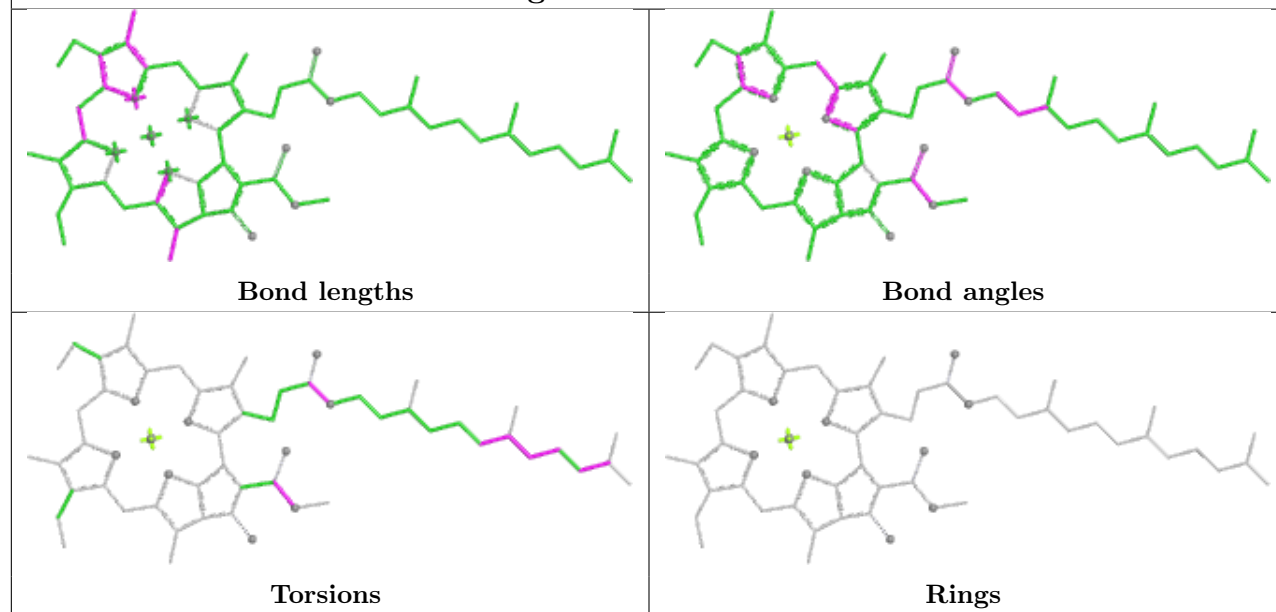




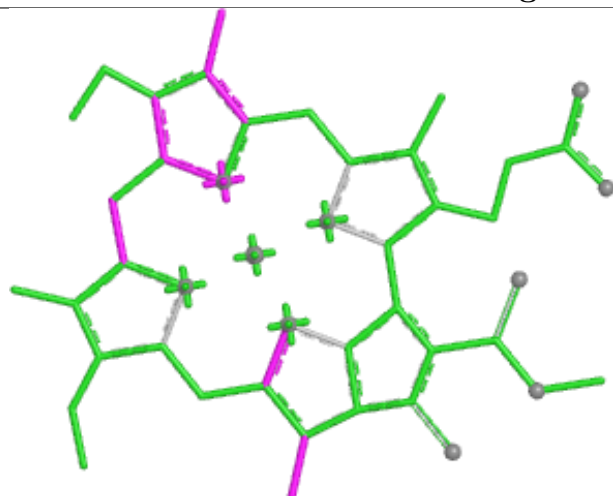
Ligand CLA aB 1012



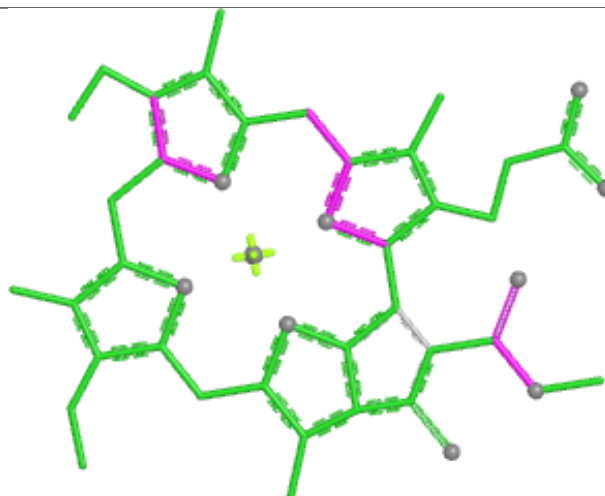
Ligand CLA a4 502



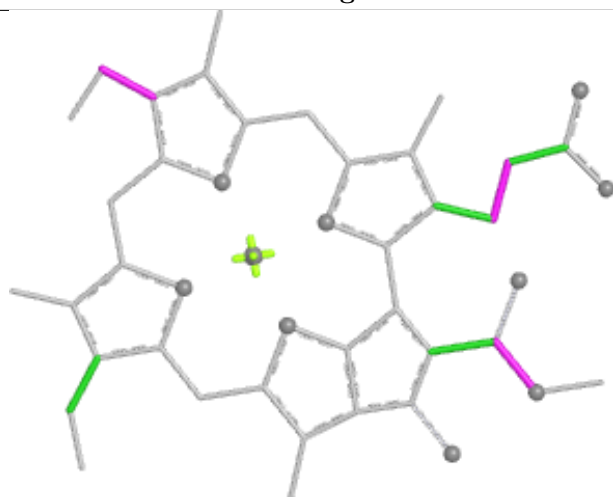
Ligand CLA c 518



Bond lengths



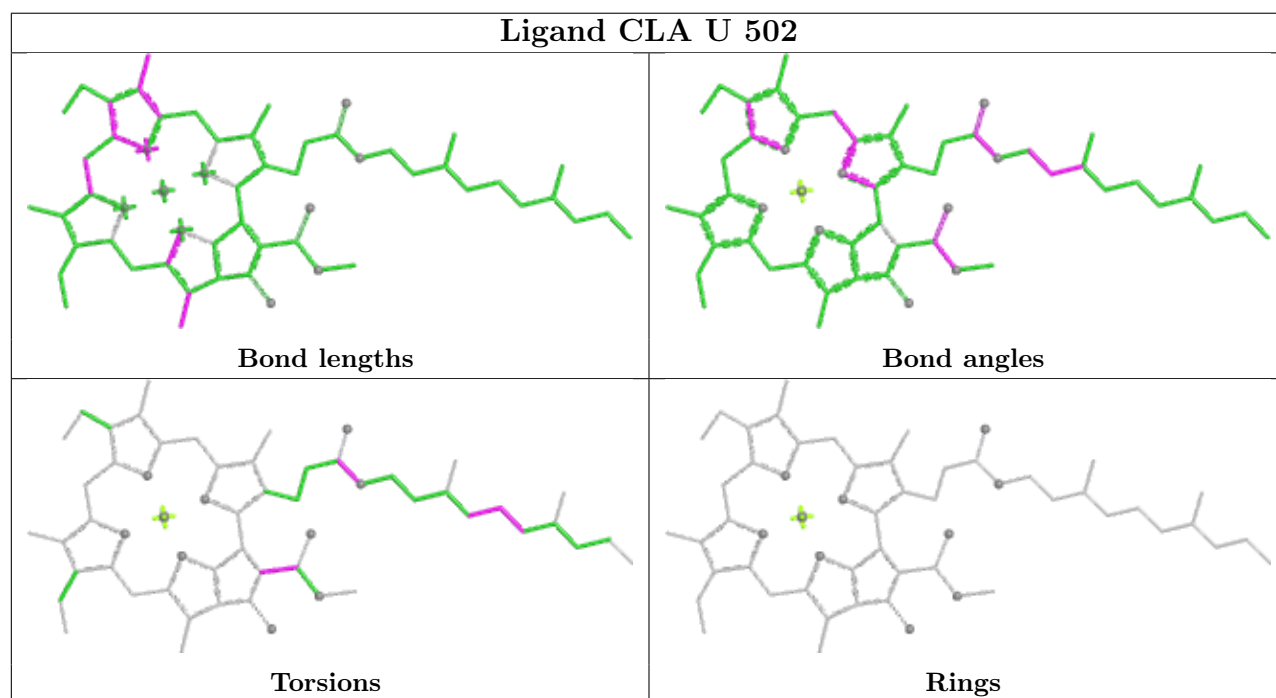
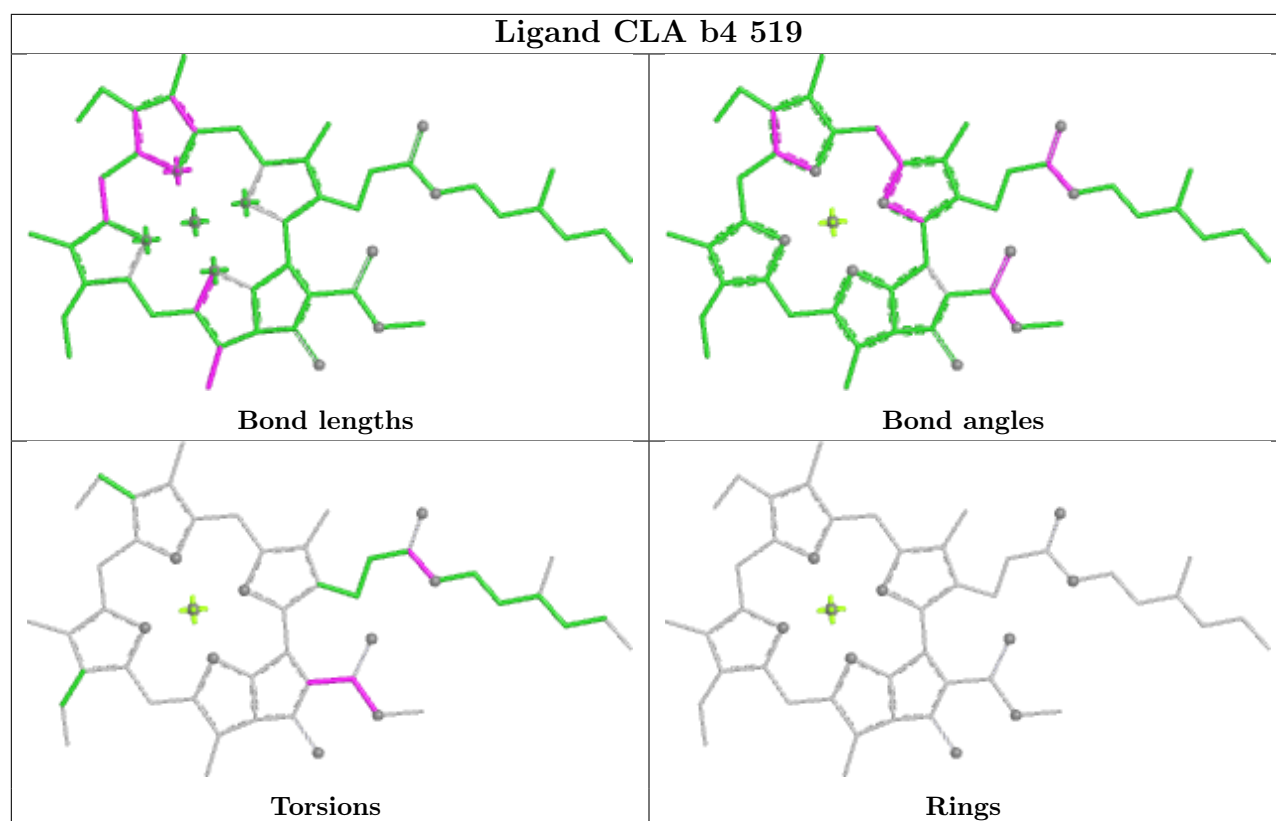
Bond angles

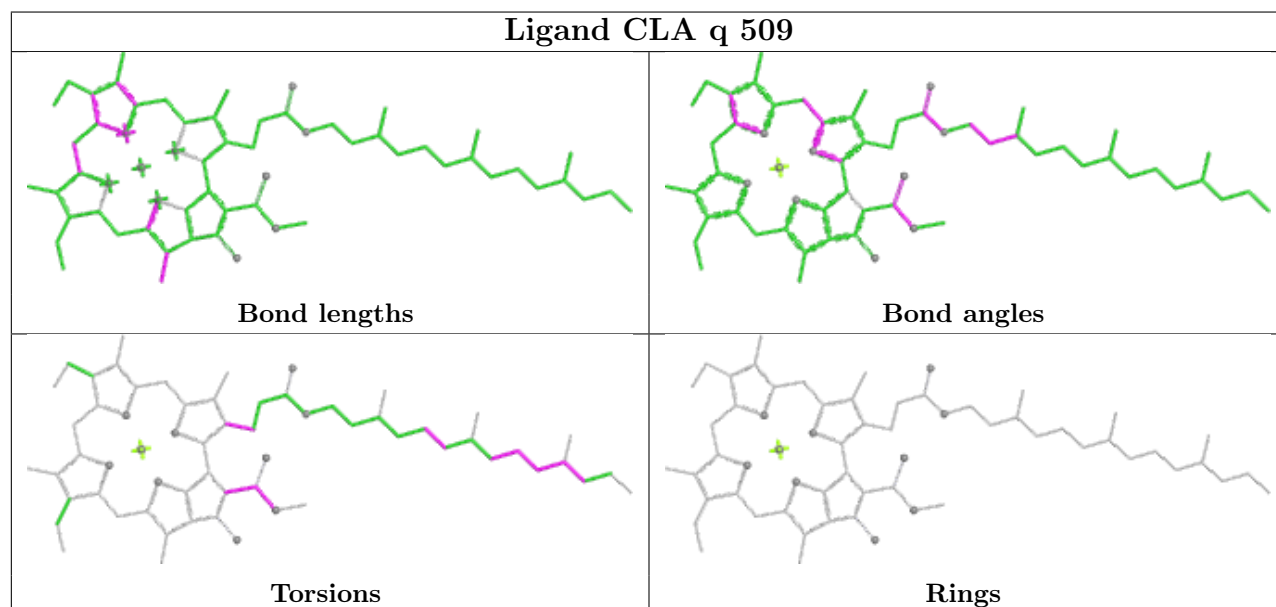
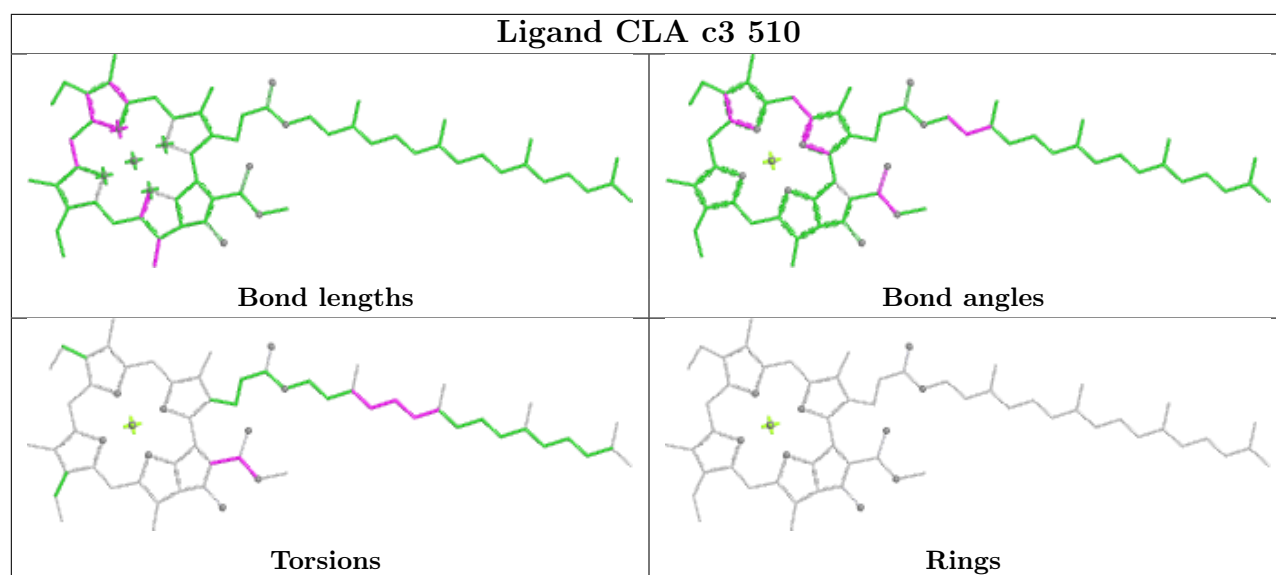


Torsions

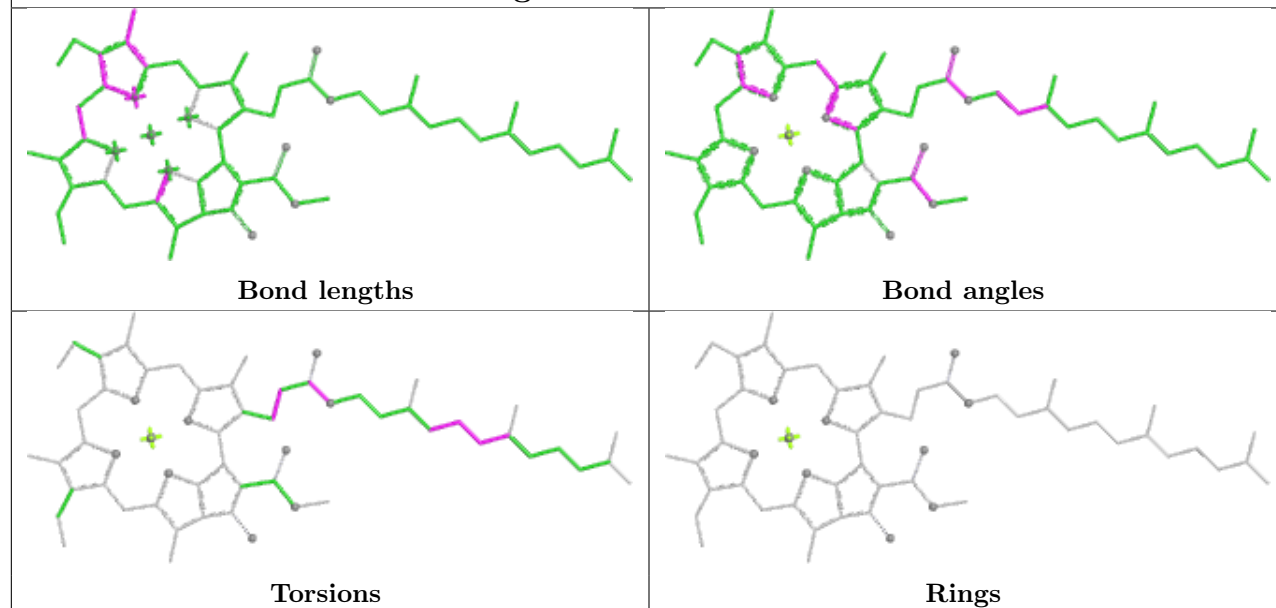


Rings

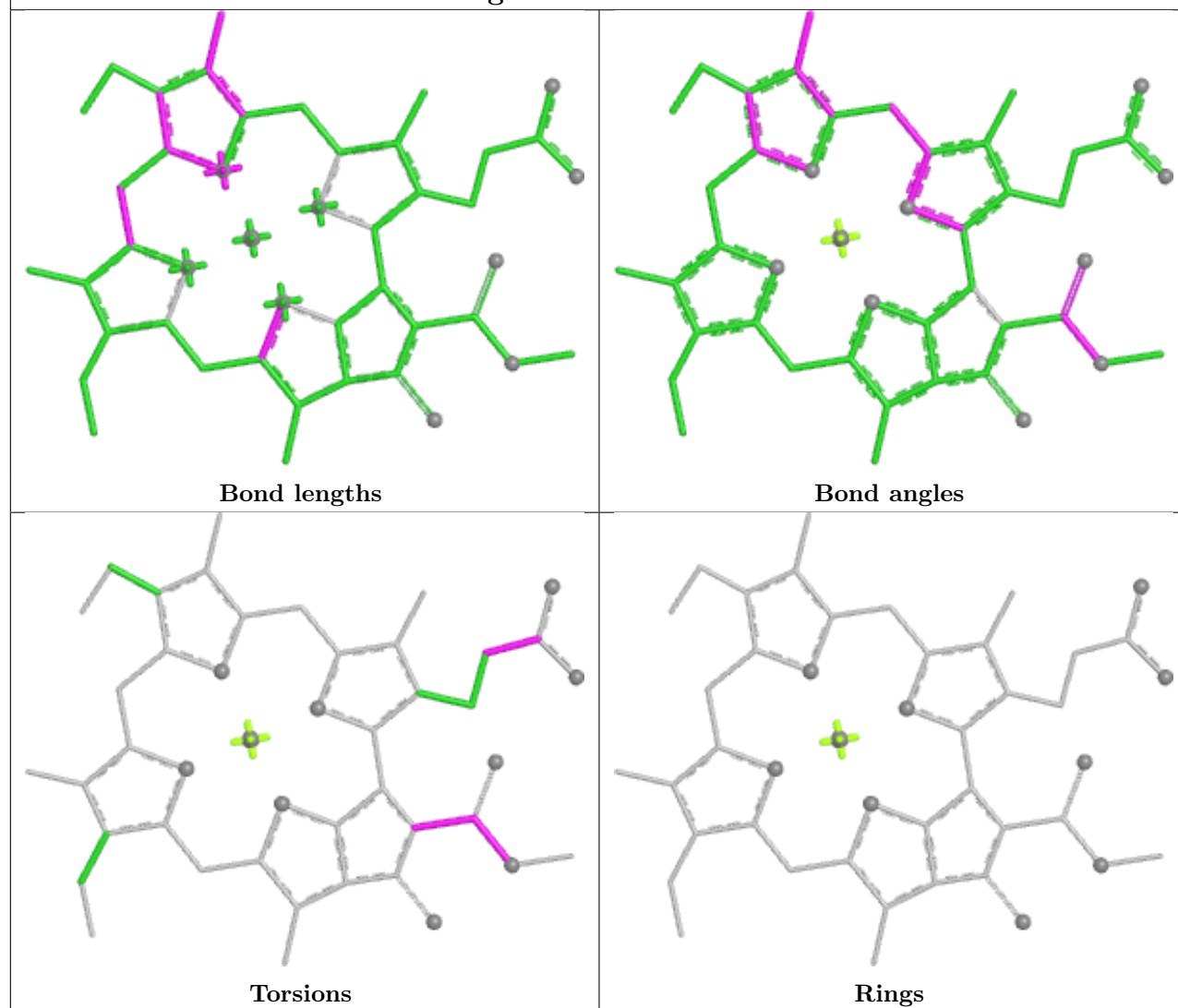




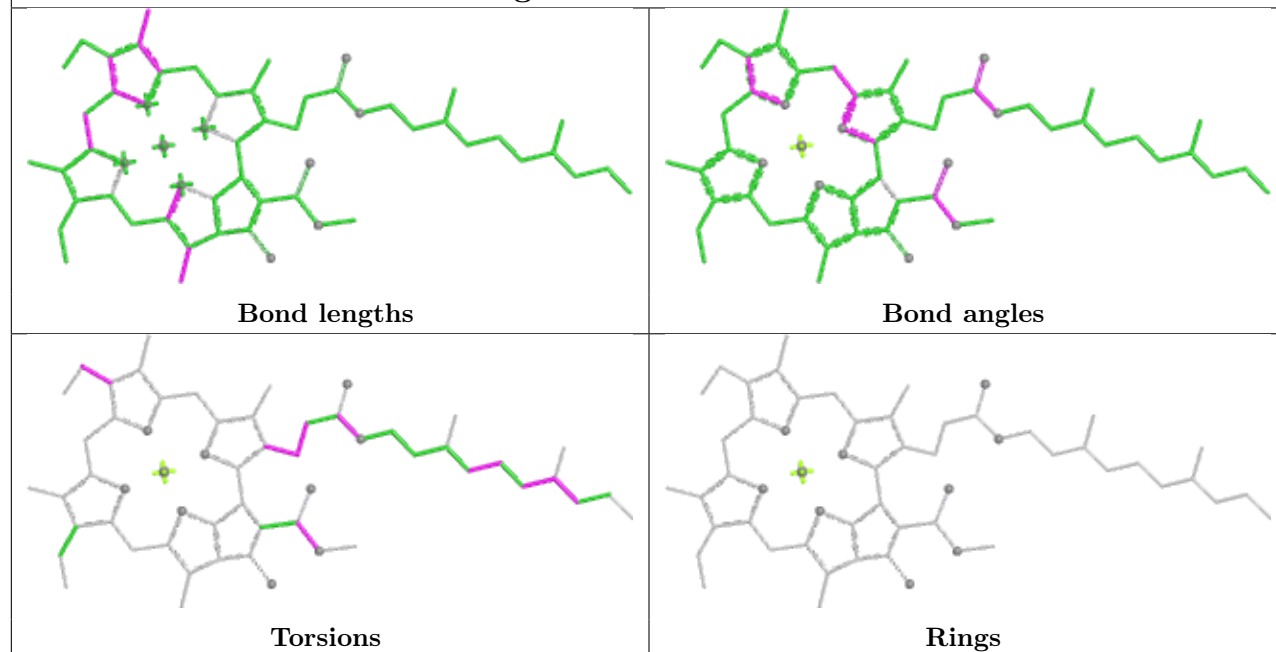
Ligand CLA bB 1213



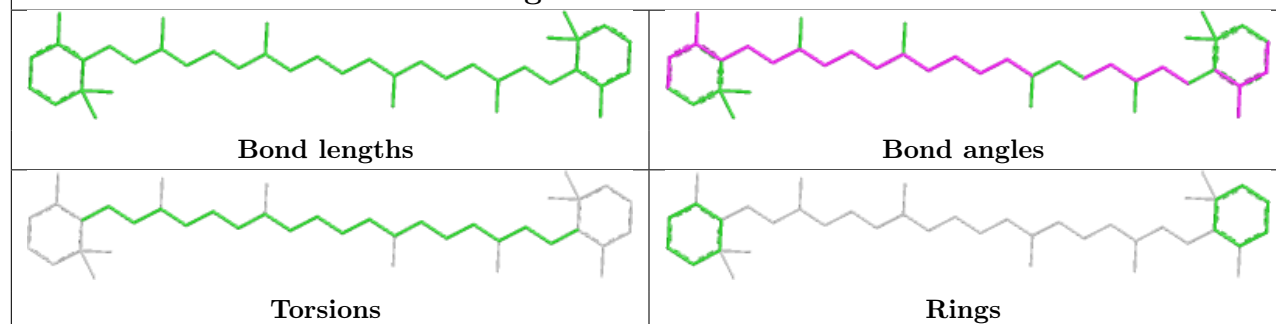
Ligand CLA c2 506



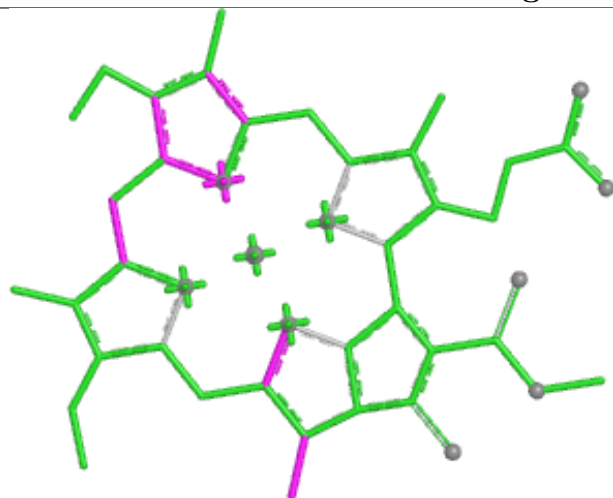
Ligand CLA aA 1134



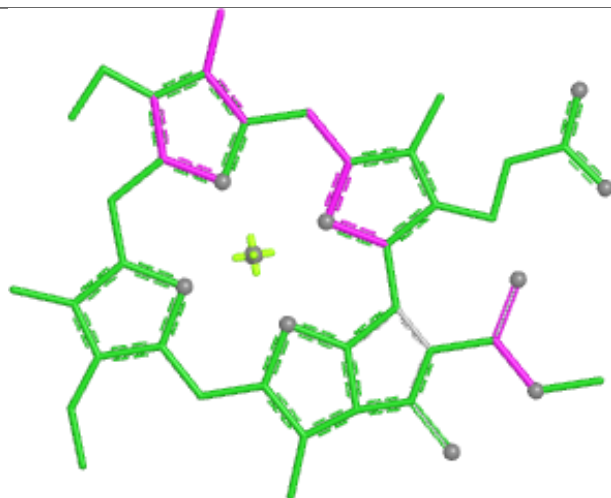
Ligand BCR b6 524



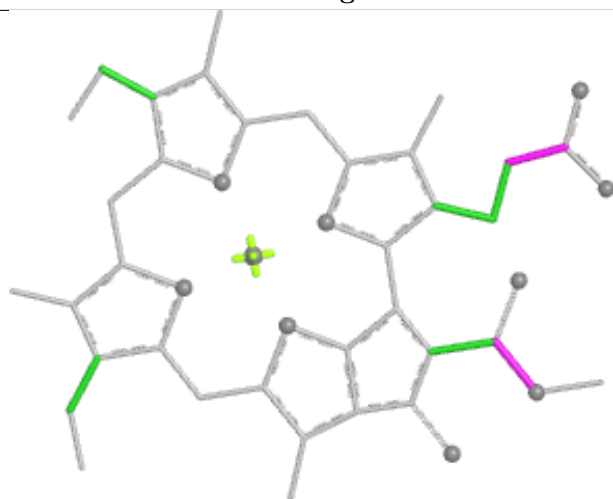
Ligand CLA 1 510



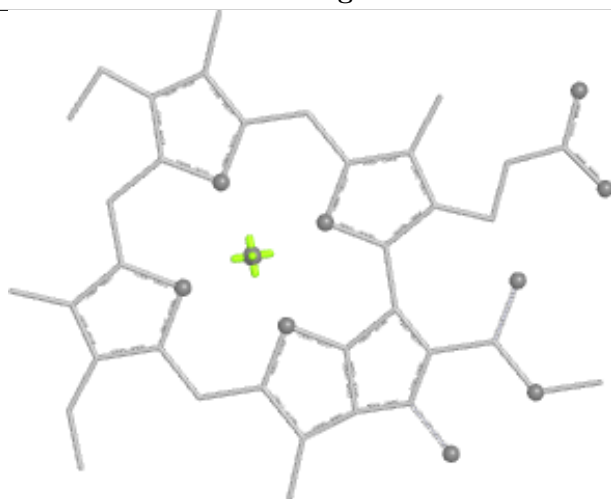
Bond lengths



Bond angles

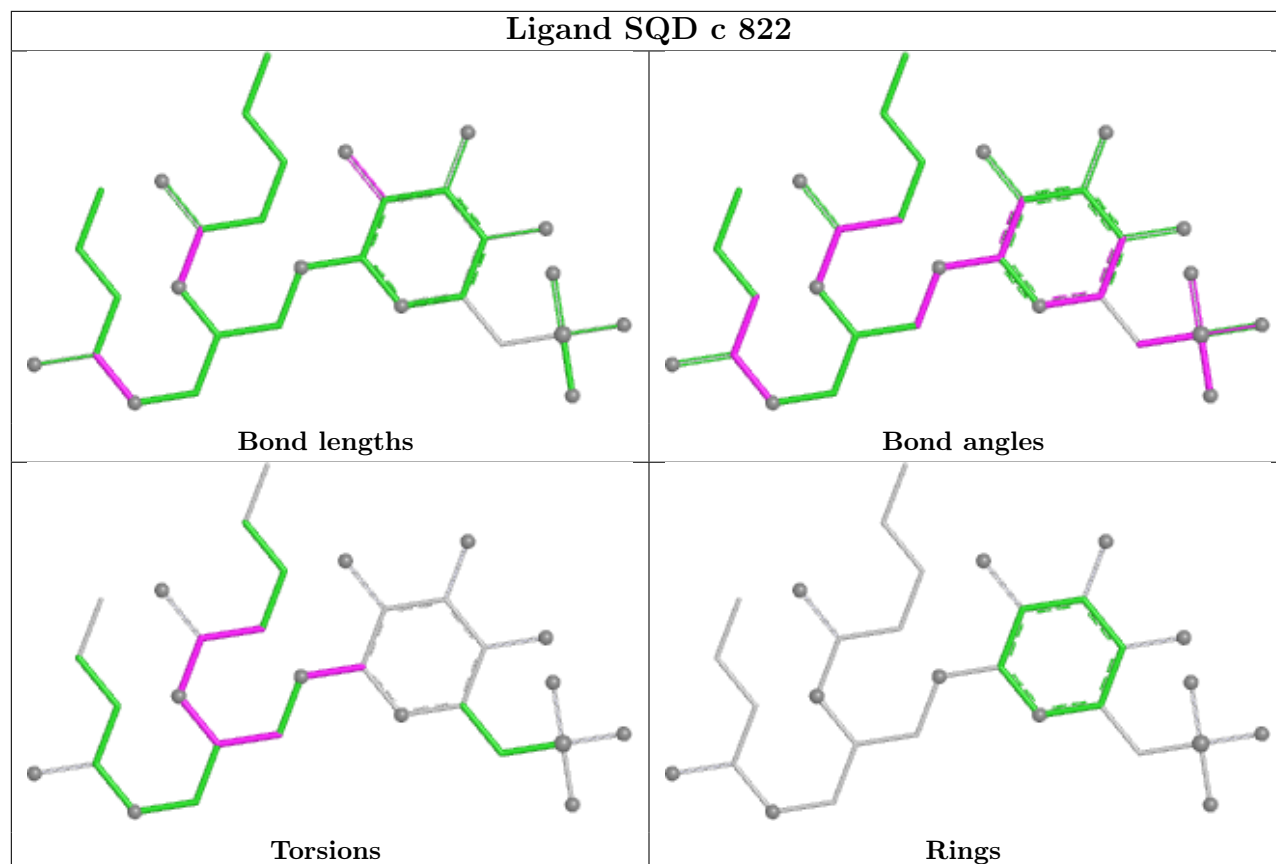


Torsions

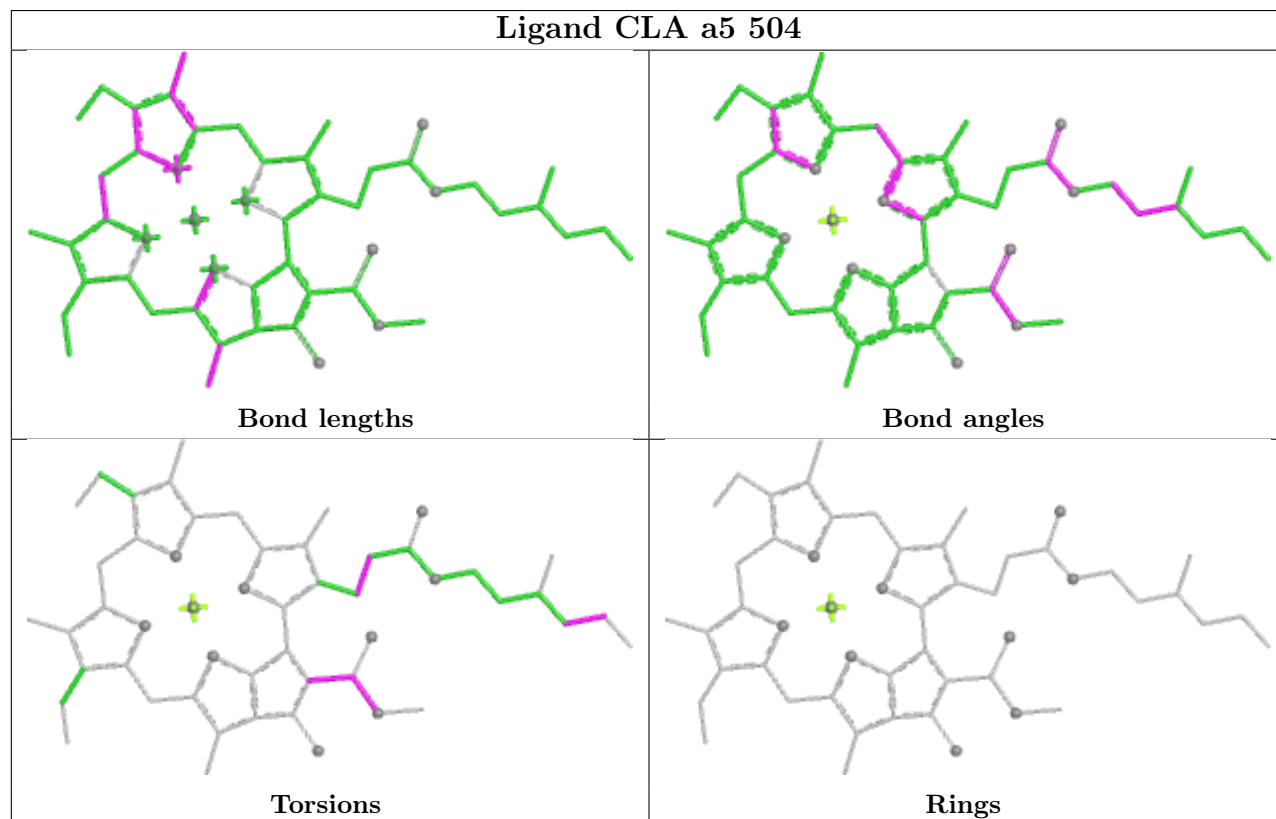


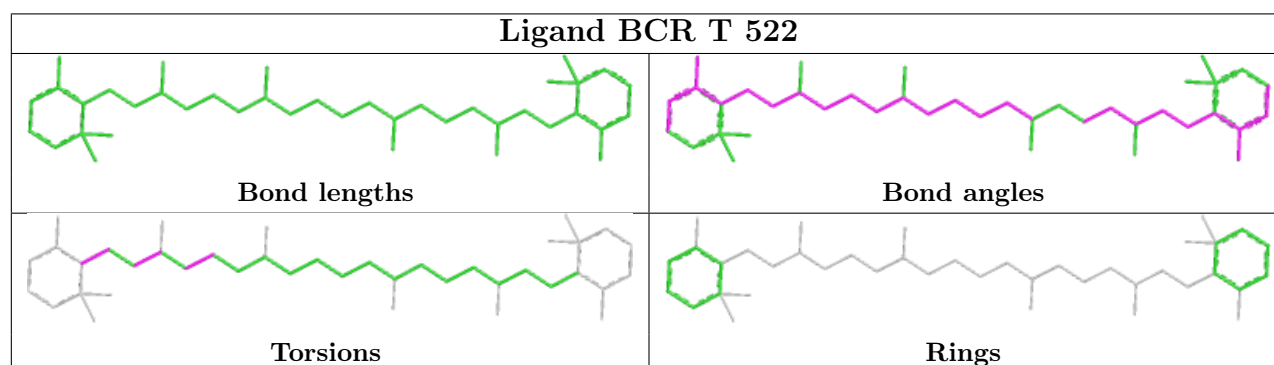
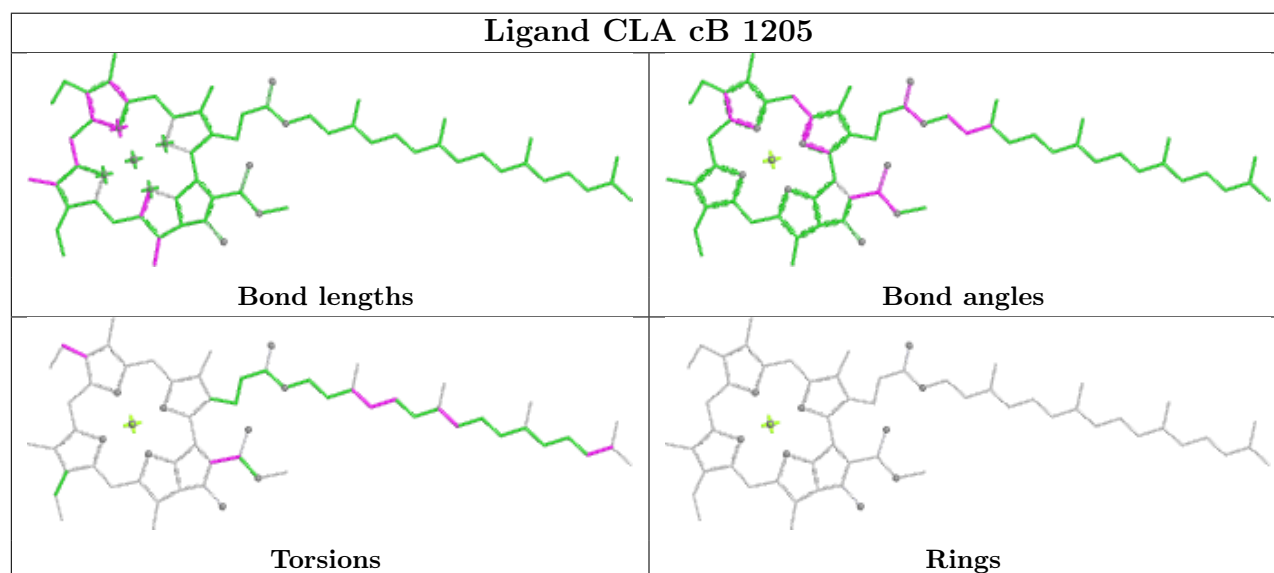
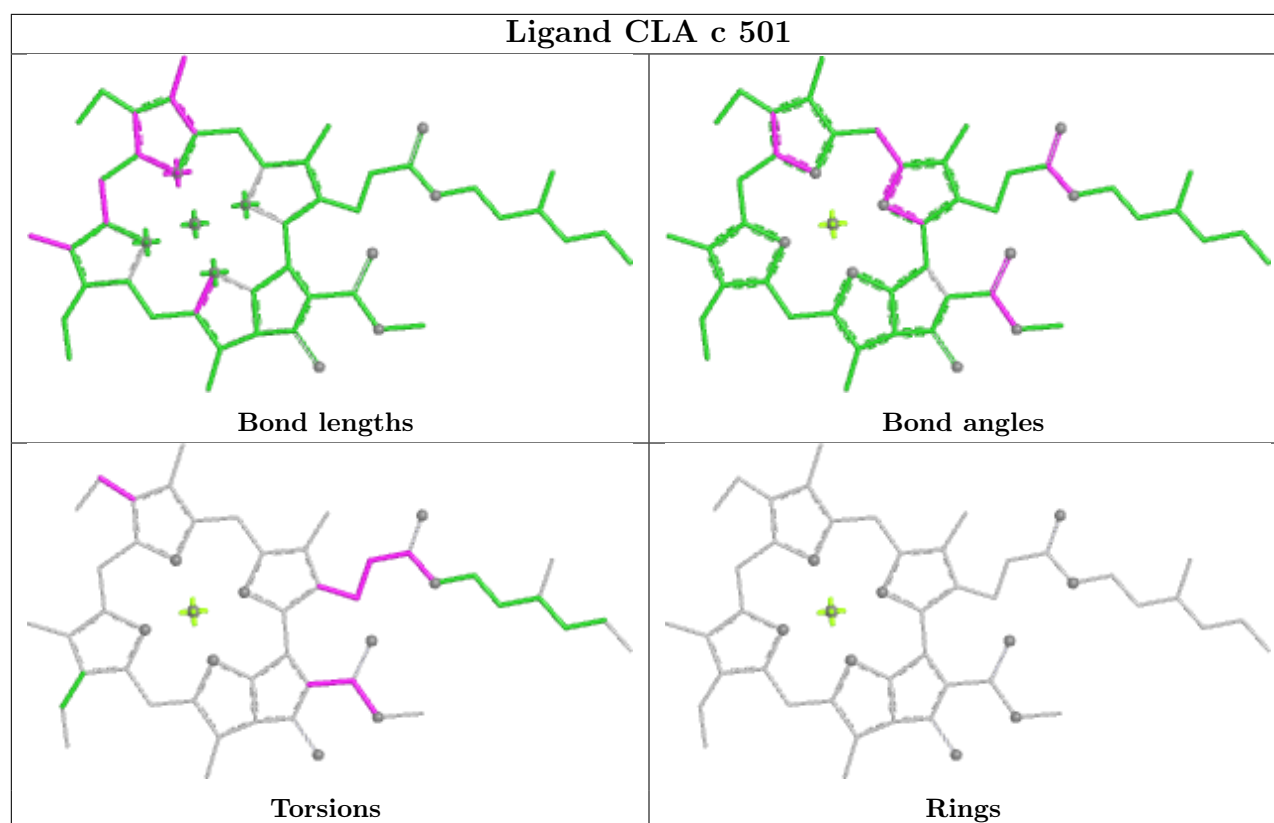
Rings

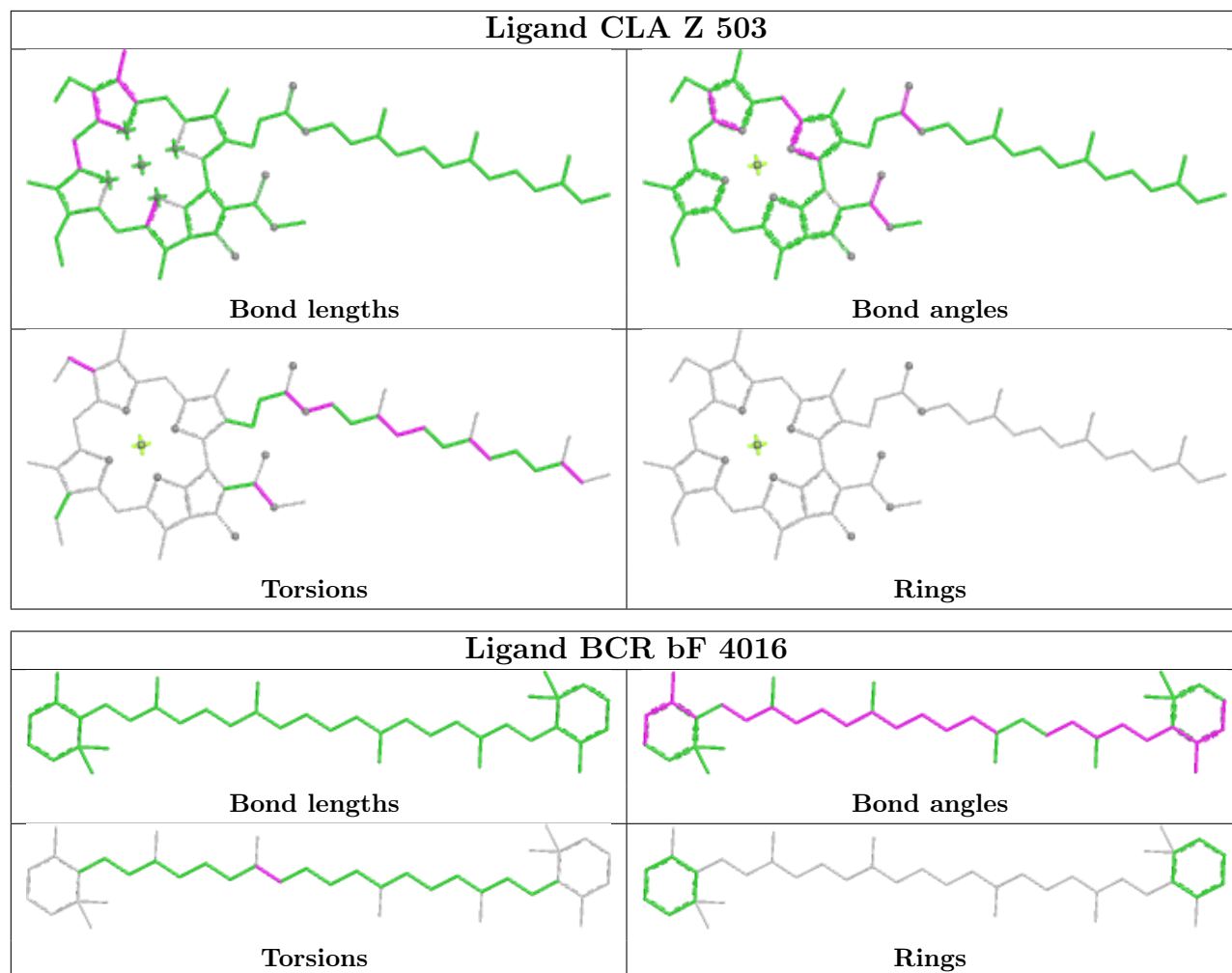
Ligand SQD c 822



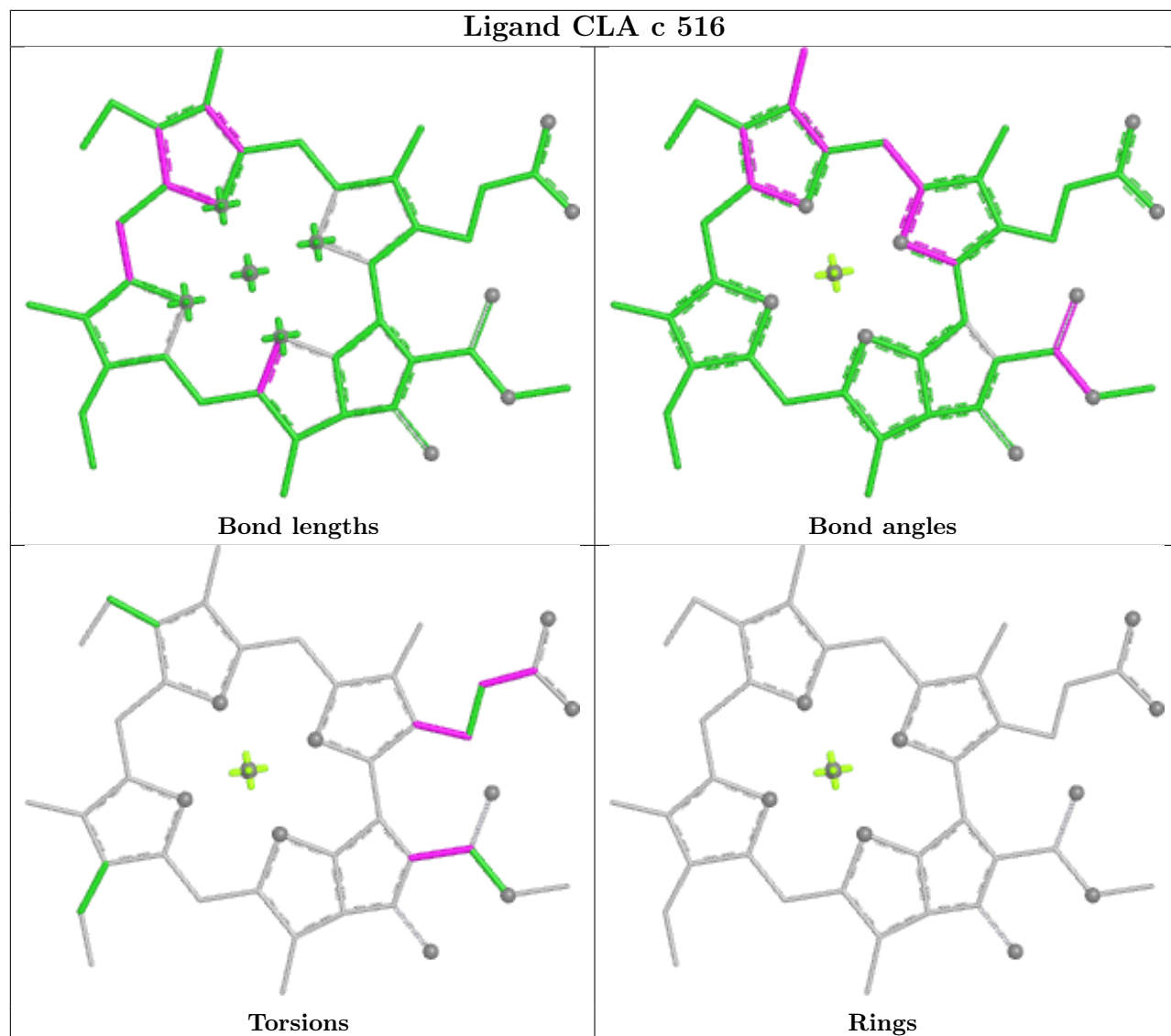
Ligand CLA a5 504



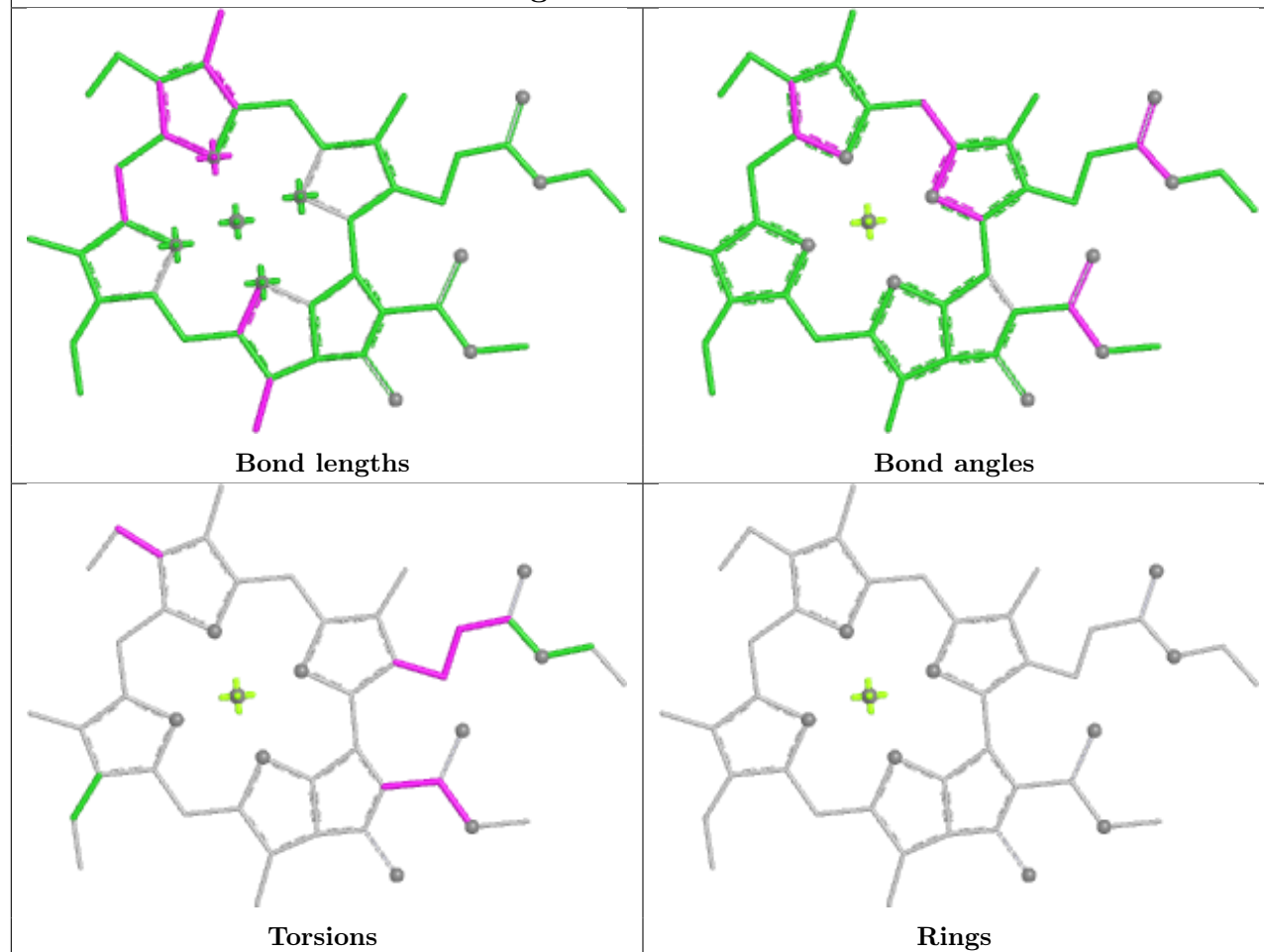




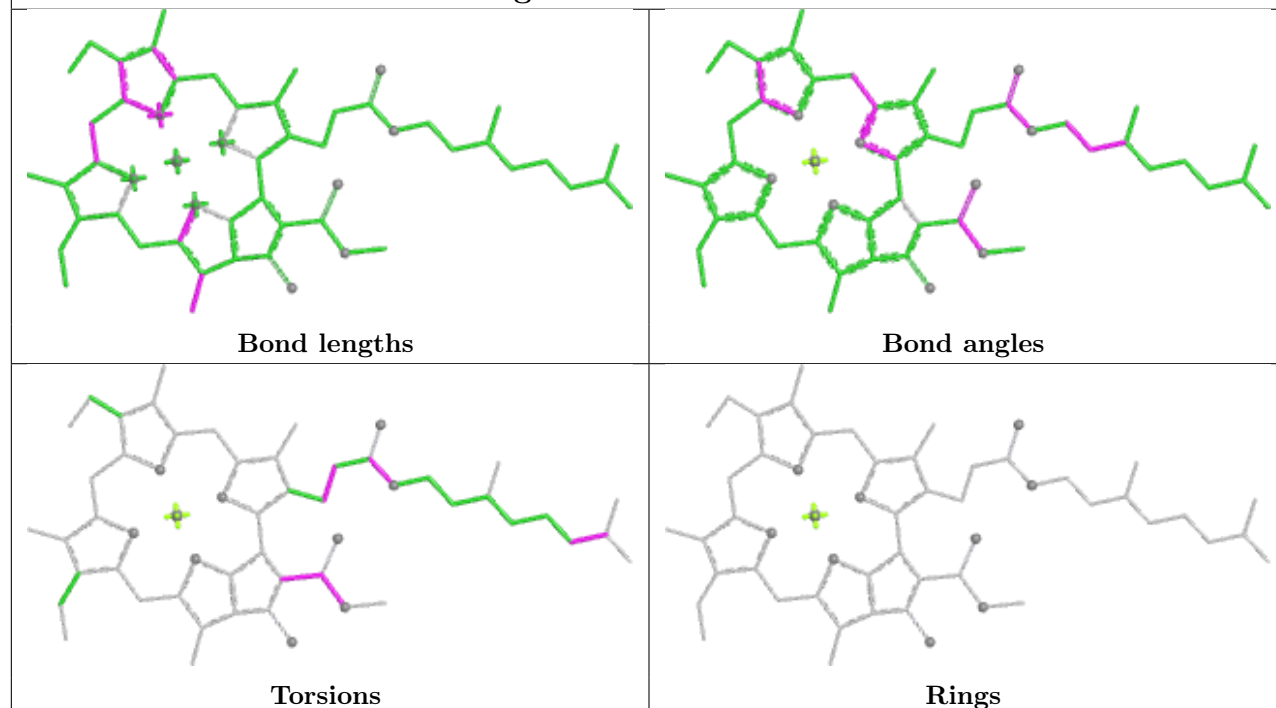
Ligand CLA c 516



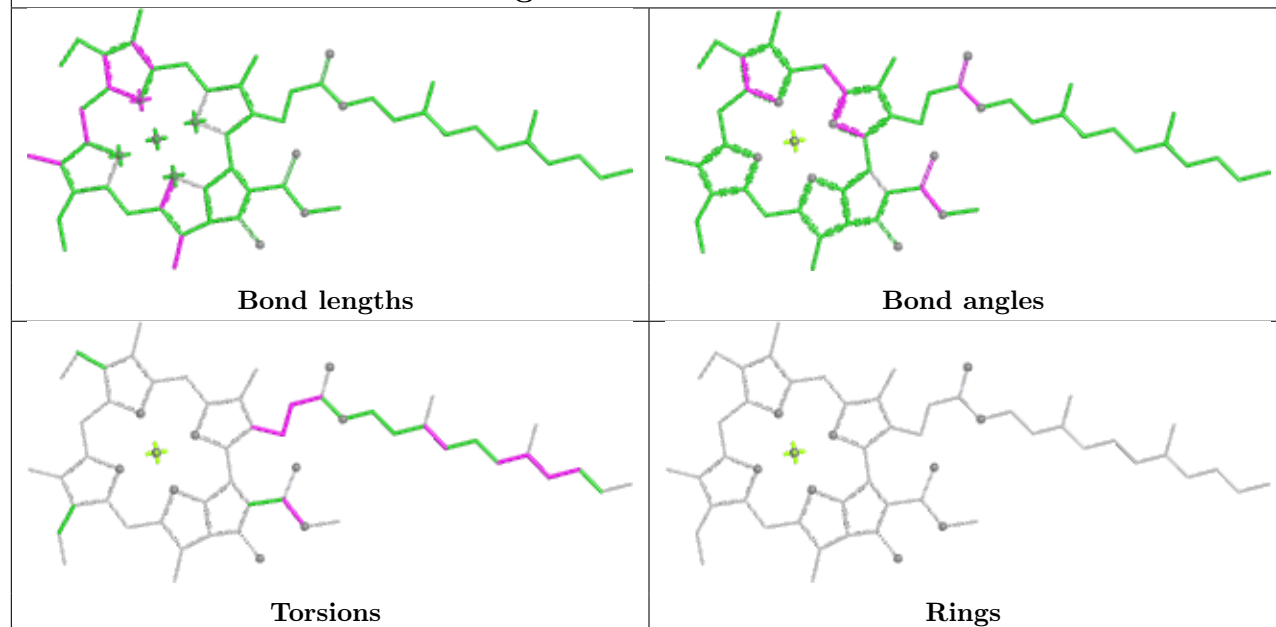
Ligand CLA n 518



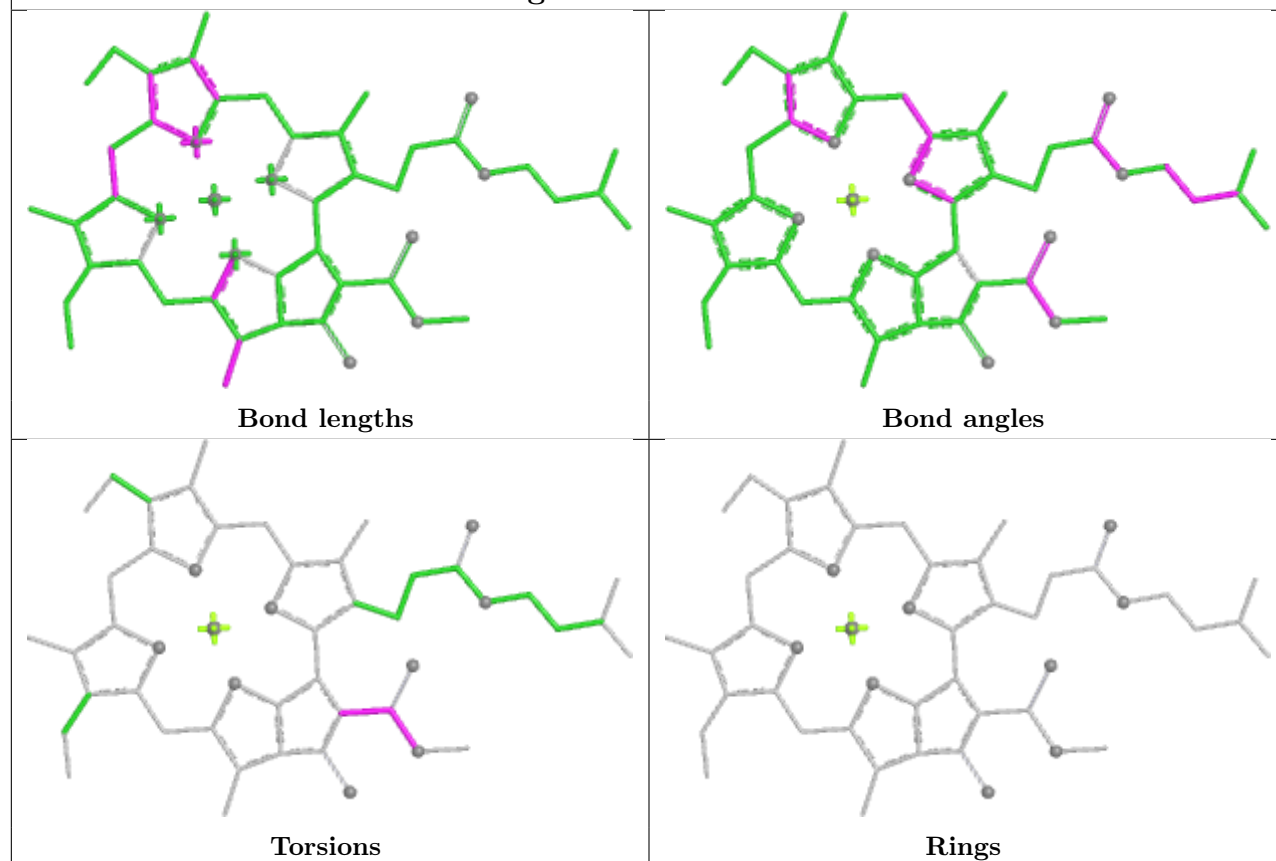
Ligand CLA aA 1111



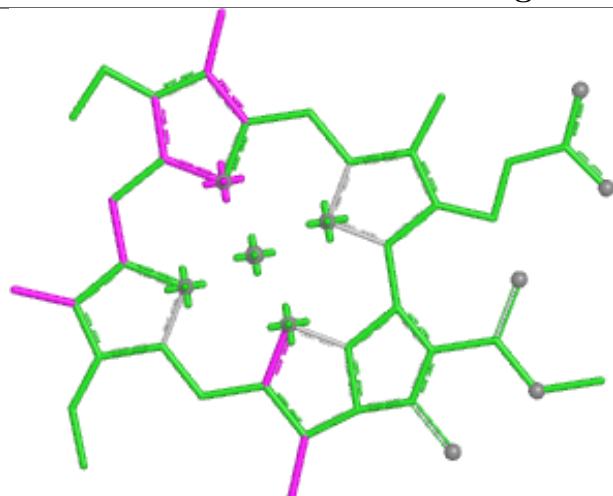
Ligand CLA cB 1224



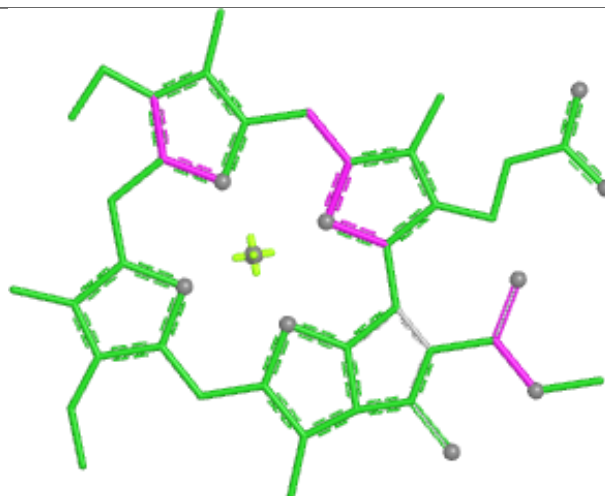
Ligand CLA a2 519



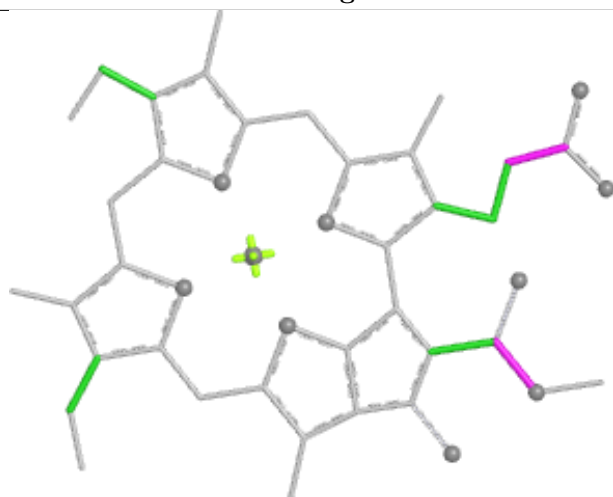
Ligand CLA T 508



Bond lengths



Bond angles

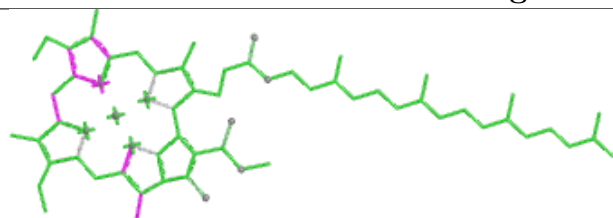


Torsions

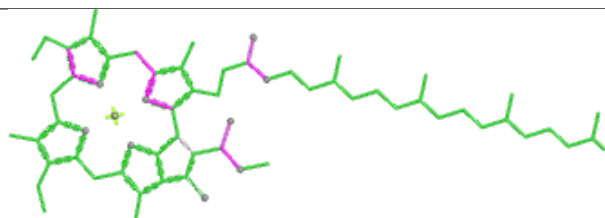


Rings

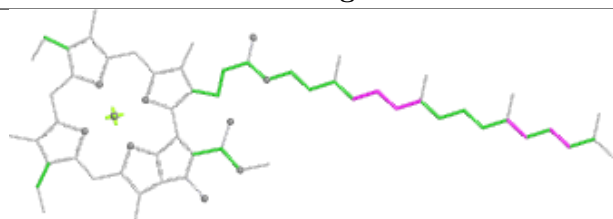
Ligand CLA a1 509



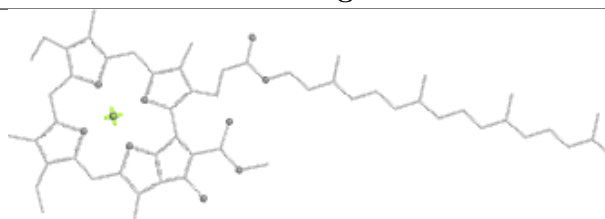
Bond lengths



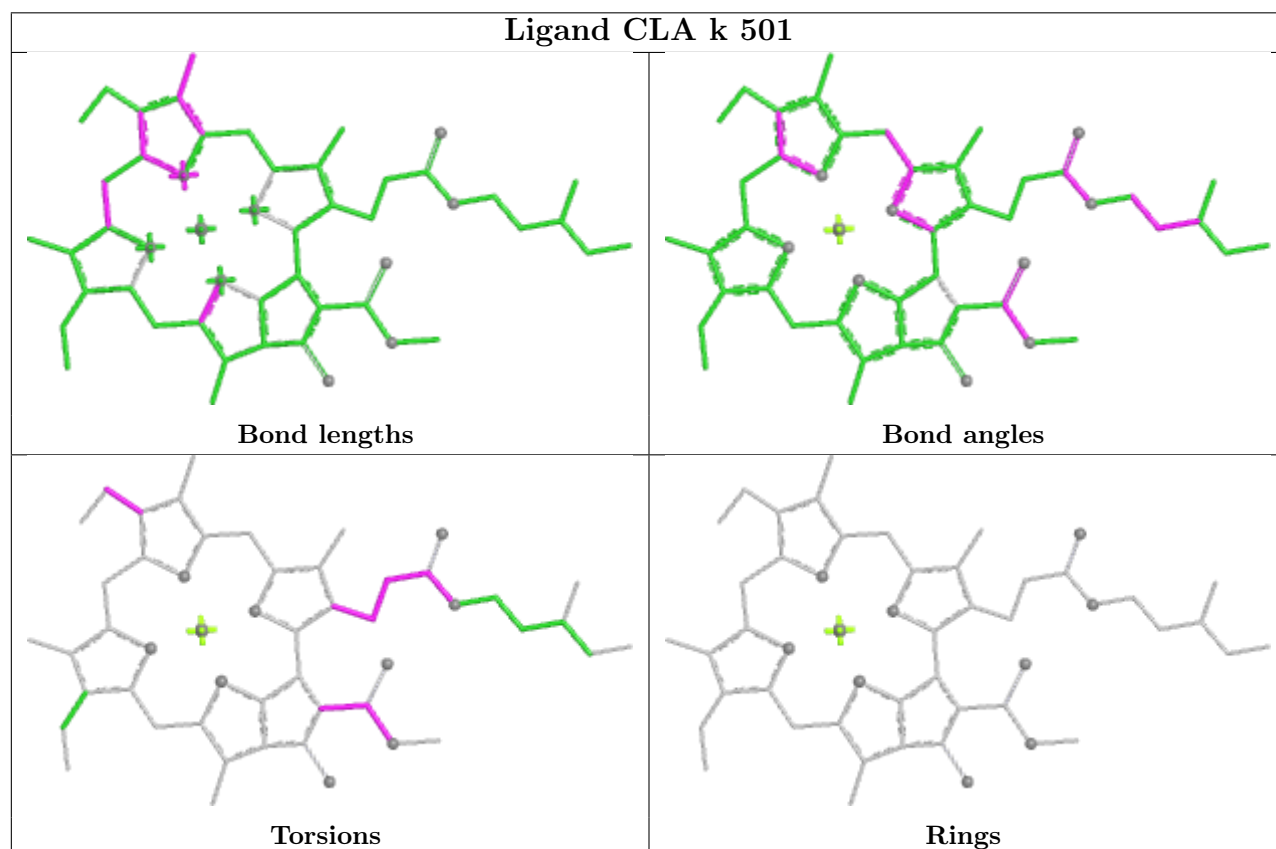
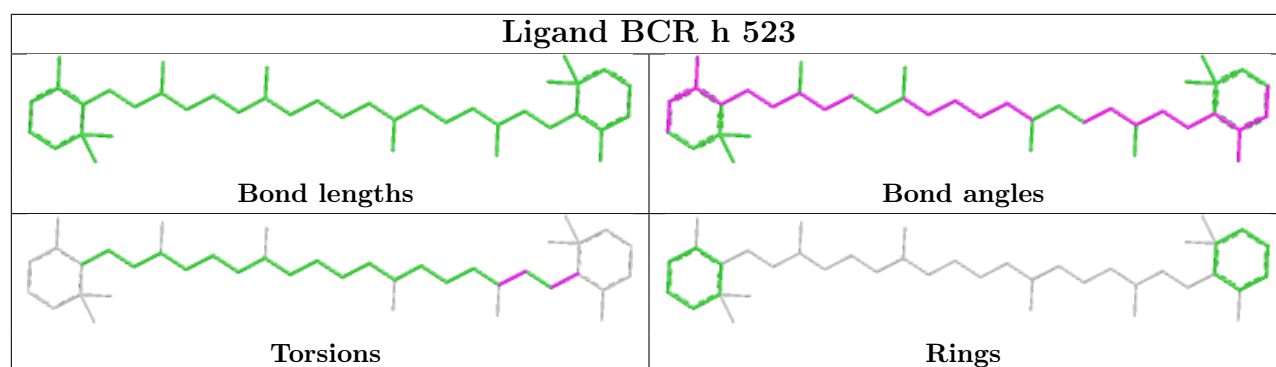
Bond angles



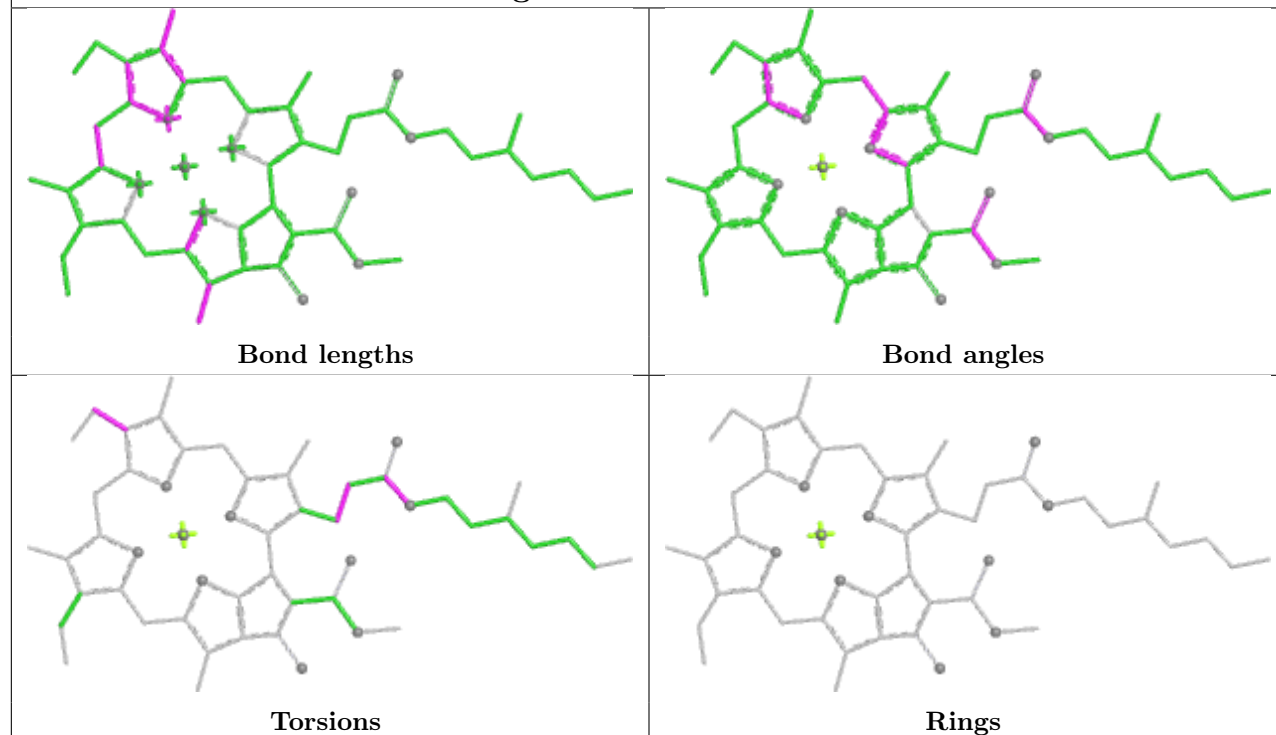
Torsions



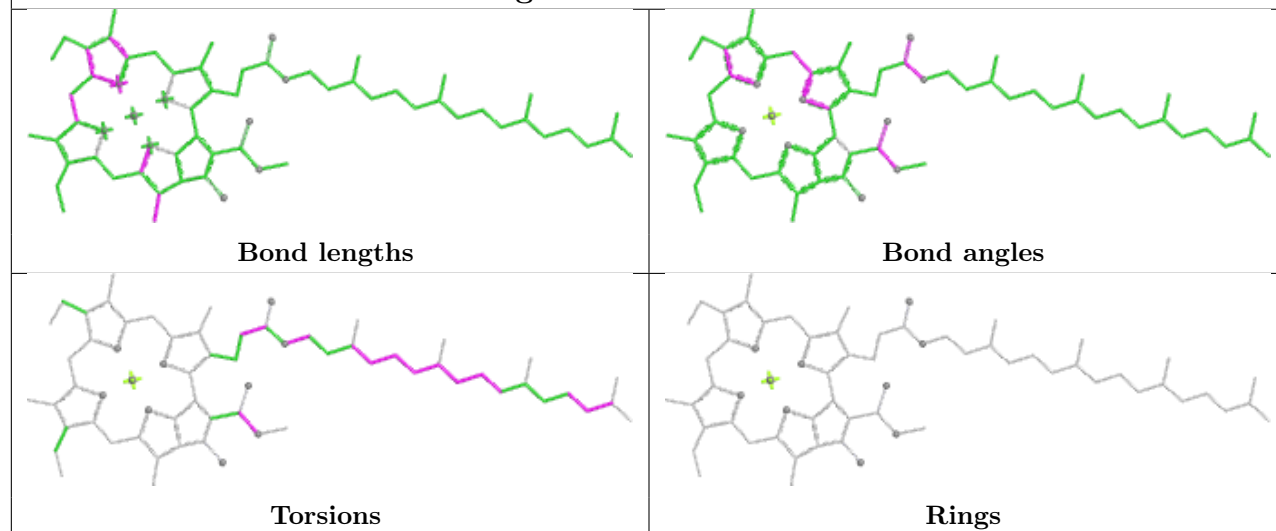
Rings



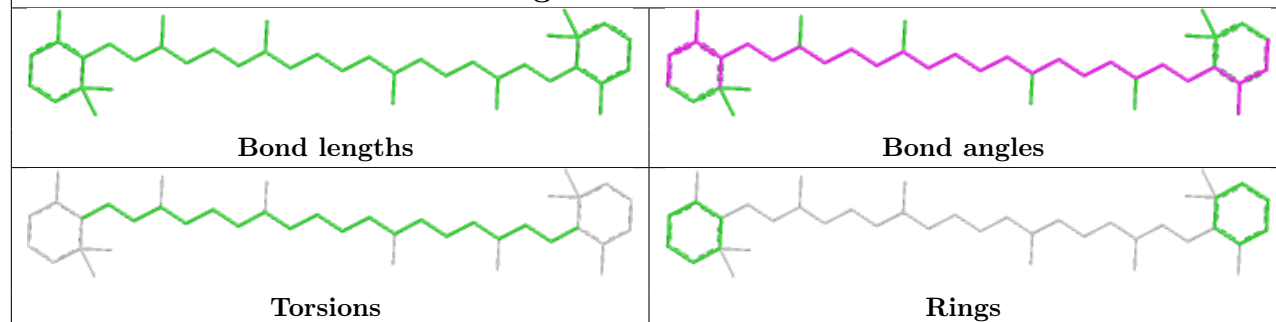
Ligand CLA bA 1110

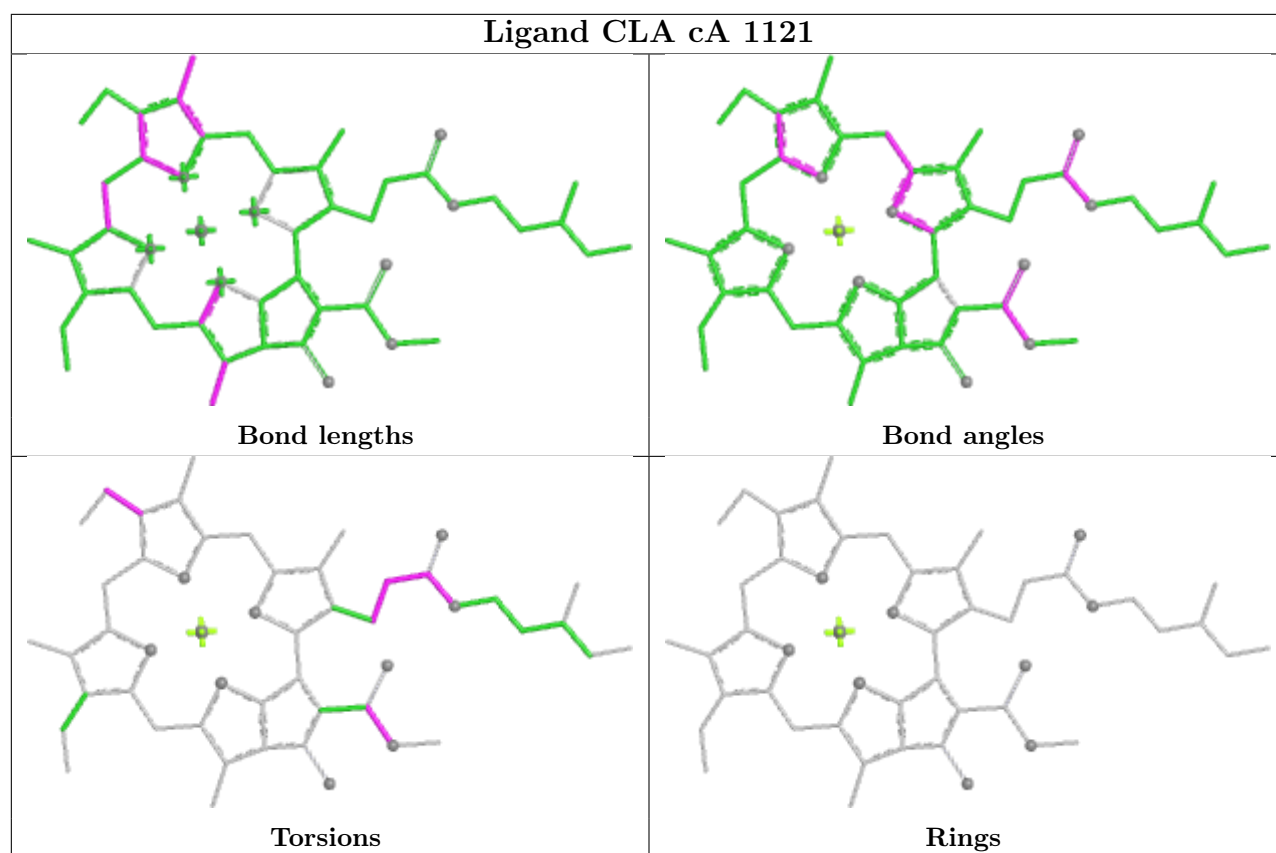


Ligand CLA cB 1203

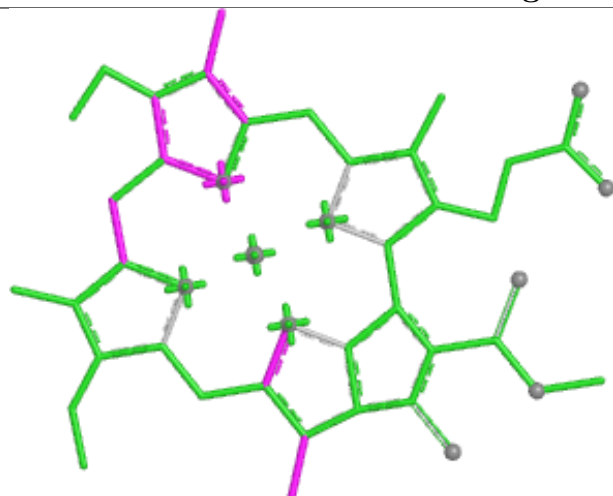


Ligand BCR d 524

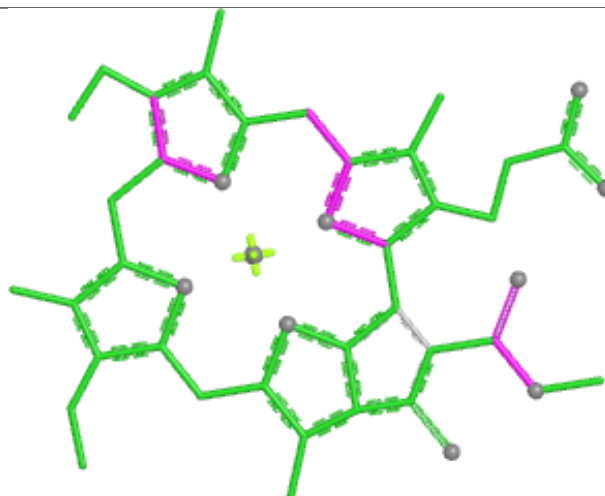




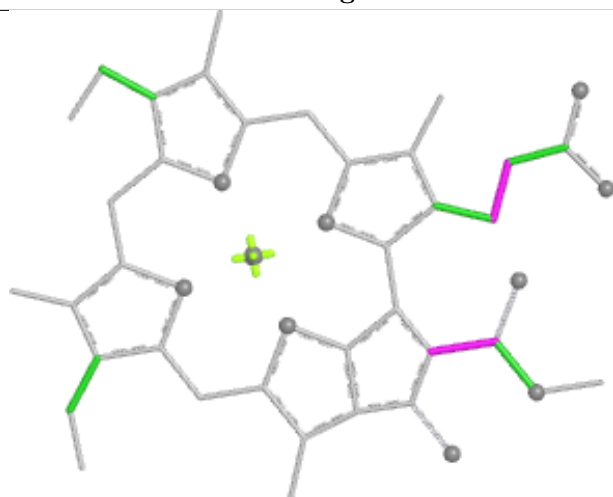
Ligand CLA l 512



Bond lengths



Bond angles

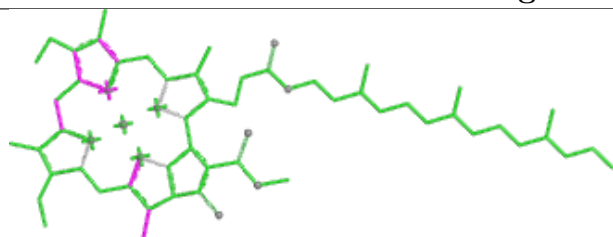


Torsions

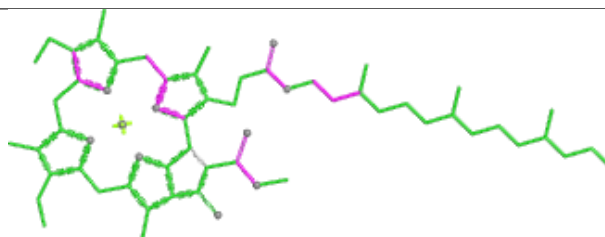


Rings

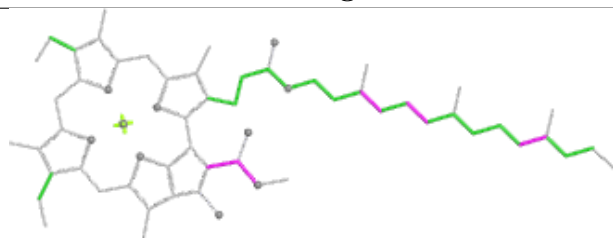
Ligand CLA o 503



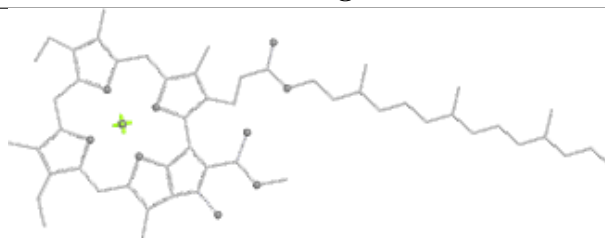
Bond lengths



Bond angles

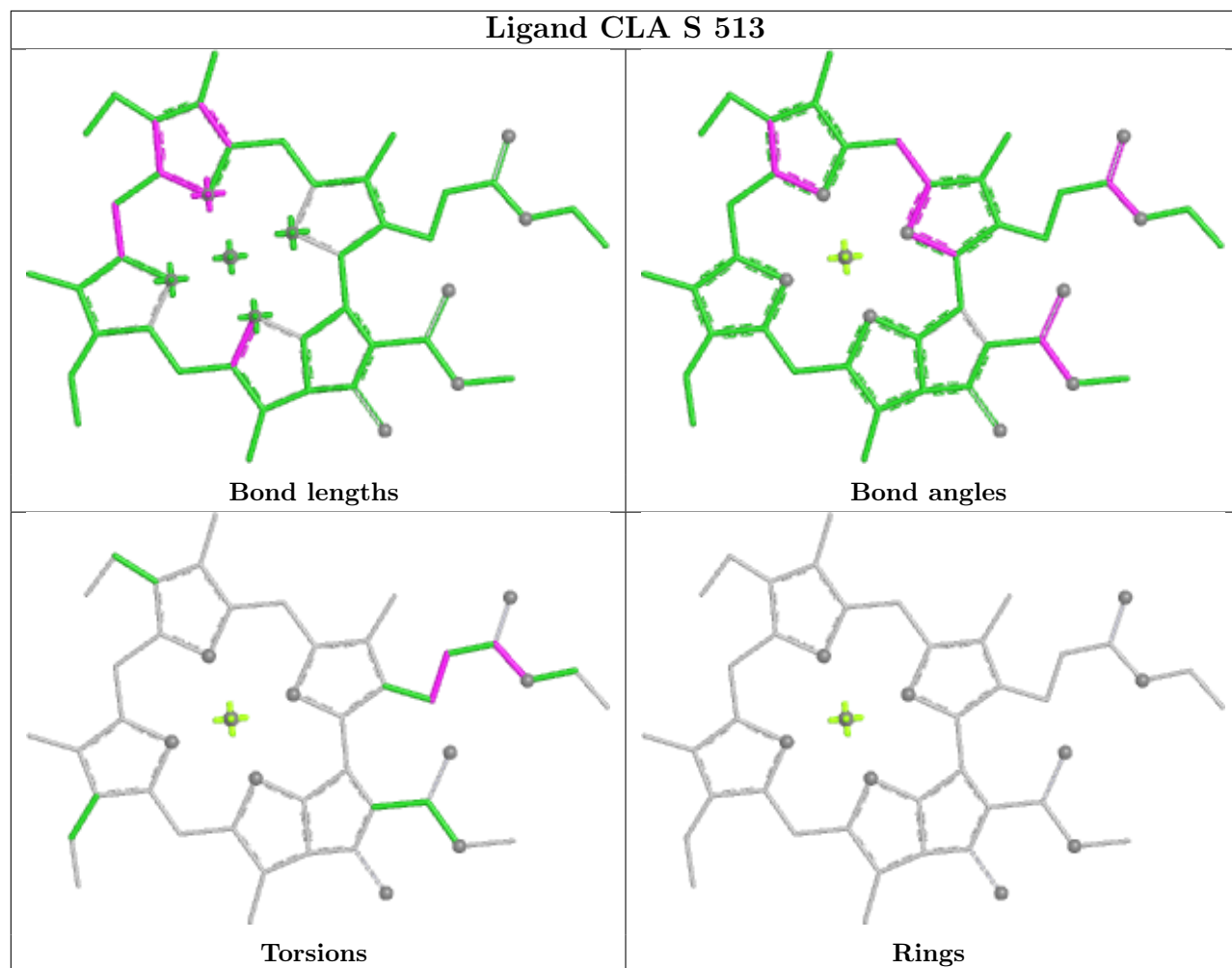


Torsions

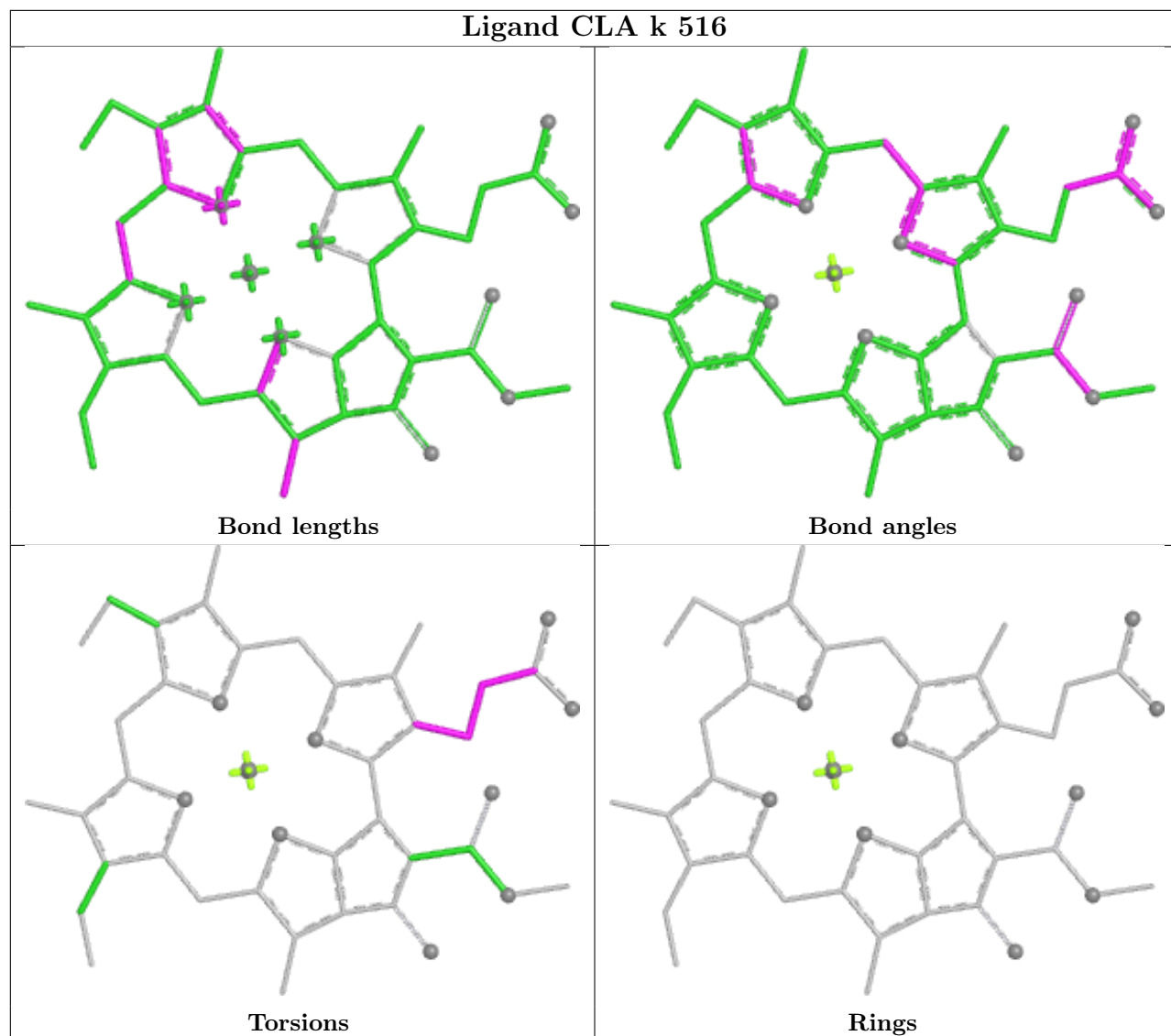


Rings

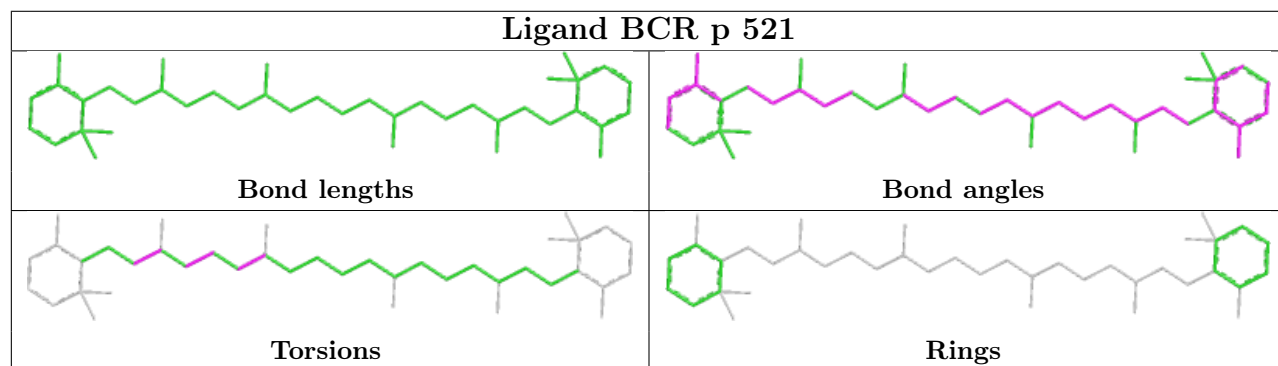
Ligand CLA S 513



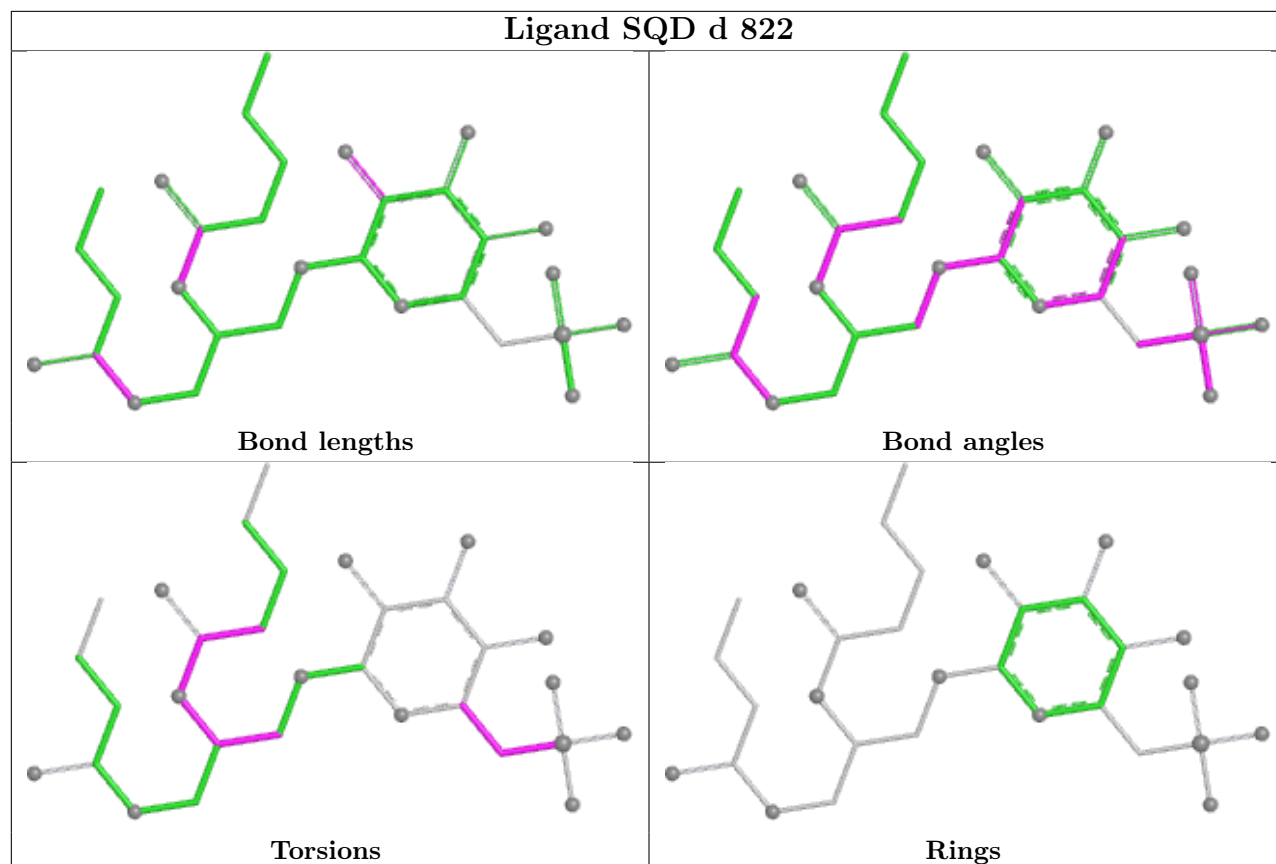
Ligand CLA k 516



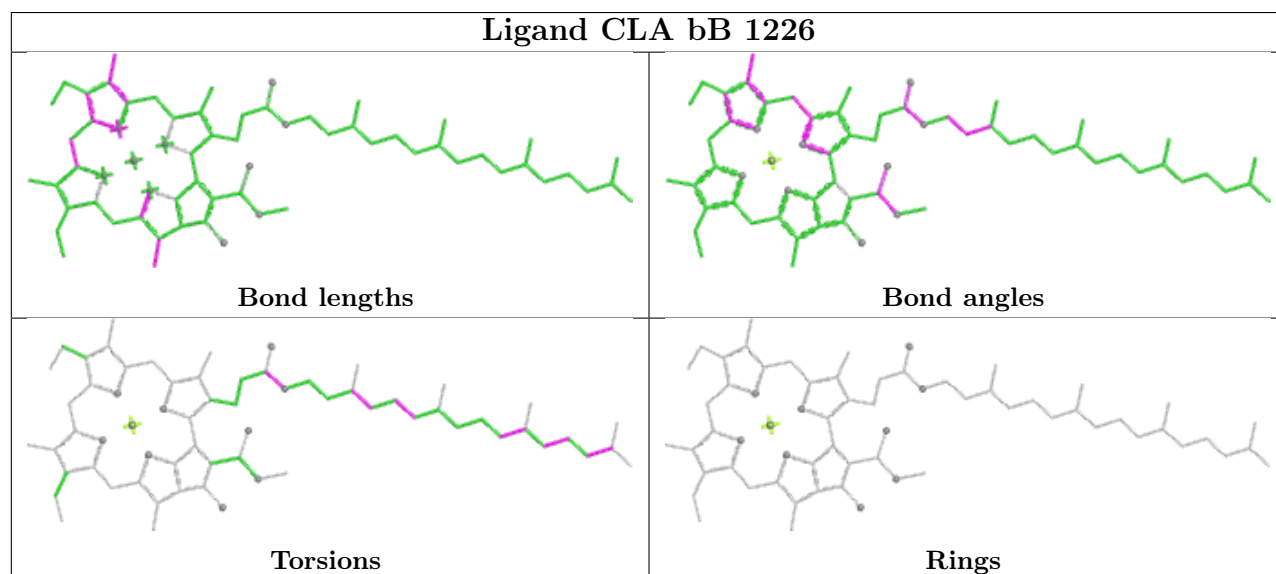
Ligand BCR p 521



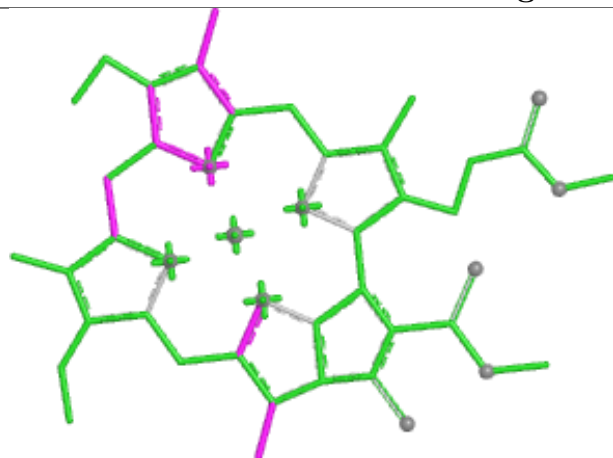
Ligand SQD d 822



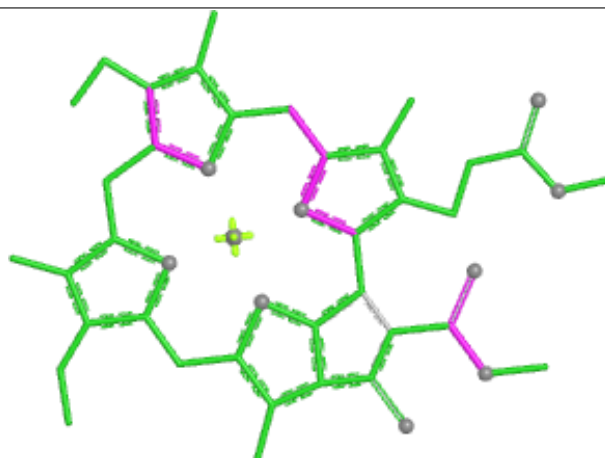
Ligand CLA bB 1226



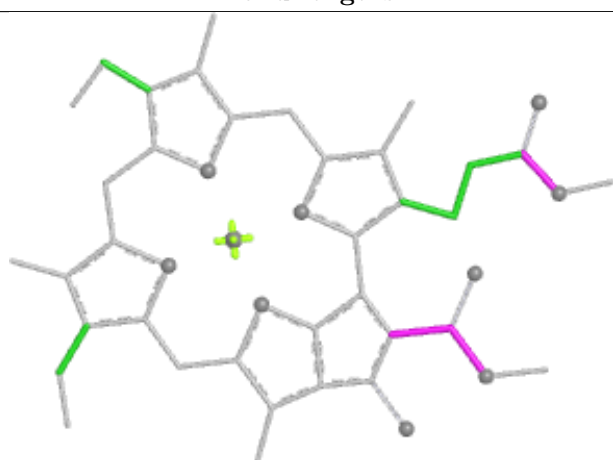
Ligand CLA S 502



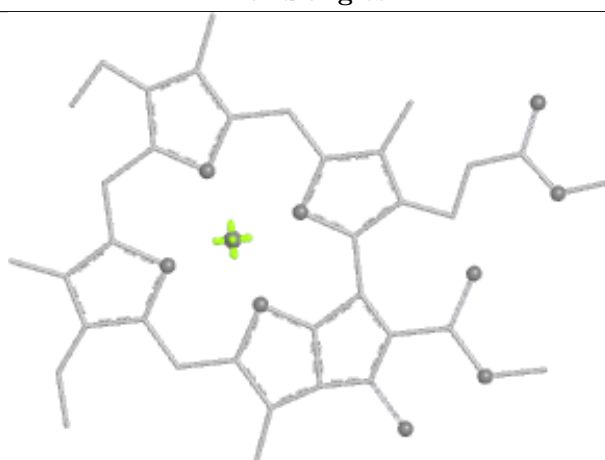
Bond lengths



Bond angles

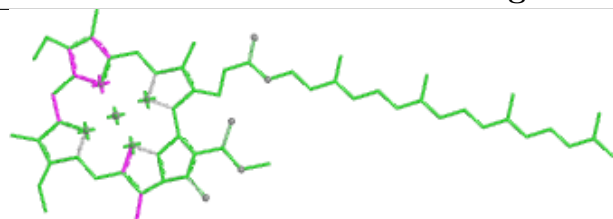


Torsions

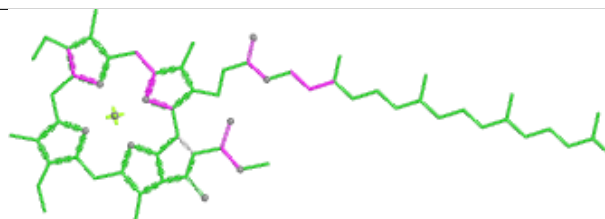


Rings

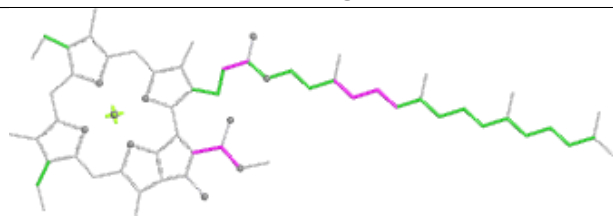
Ligand CLA b3 510



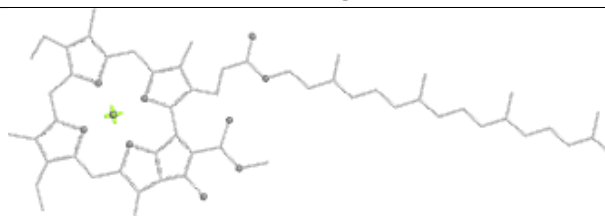
Bond lengths



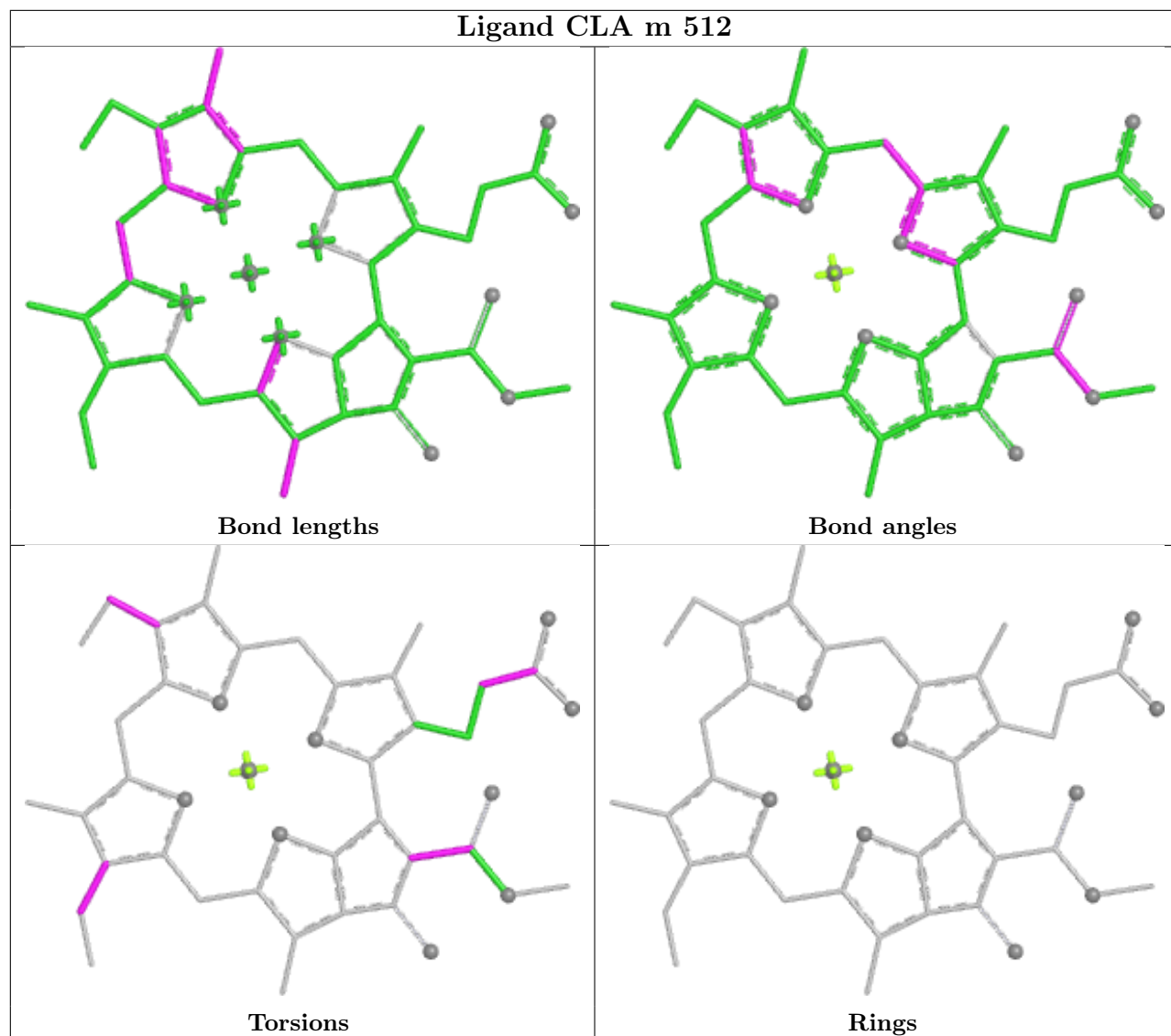
Bond angles



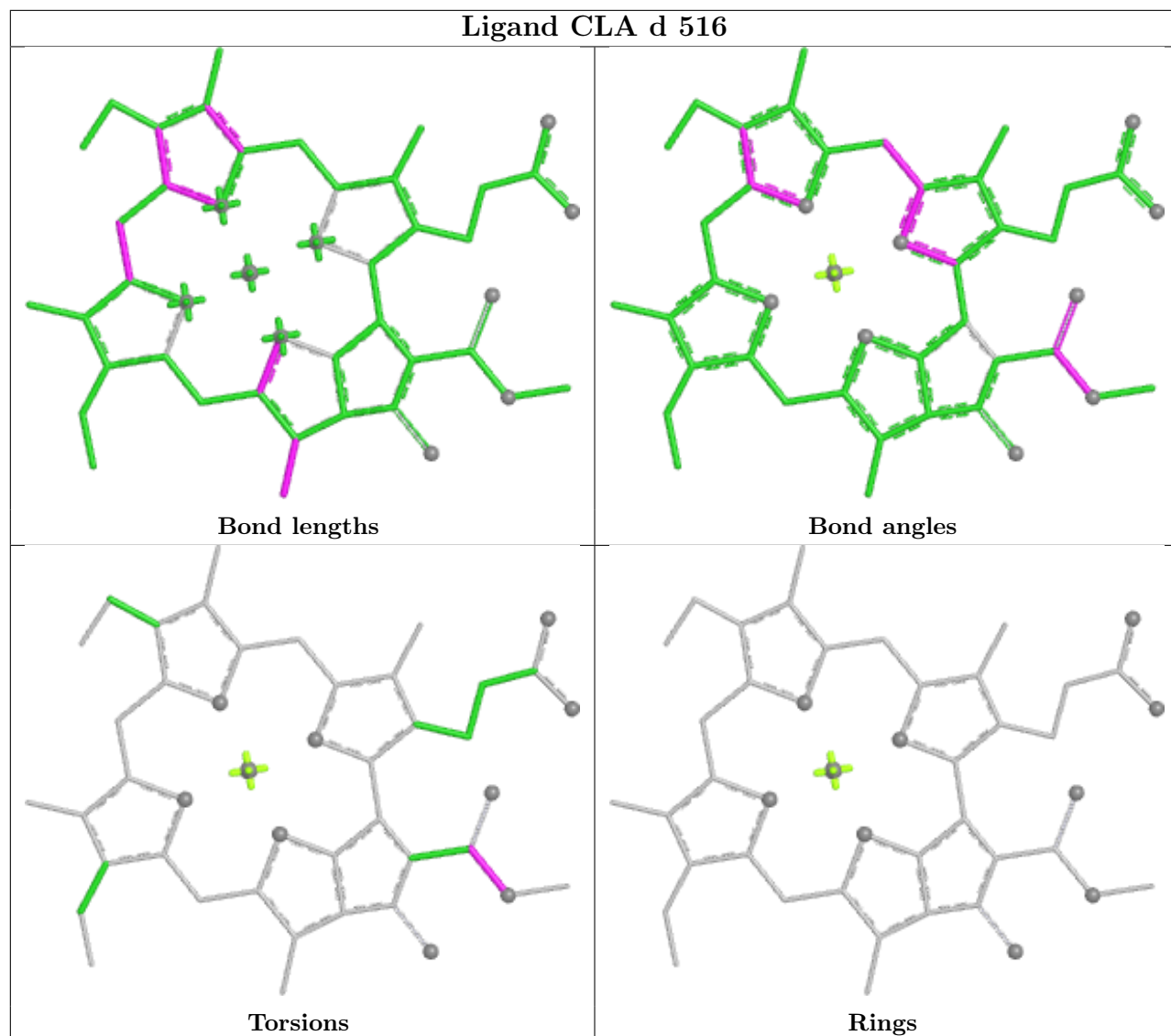
Torsions

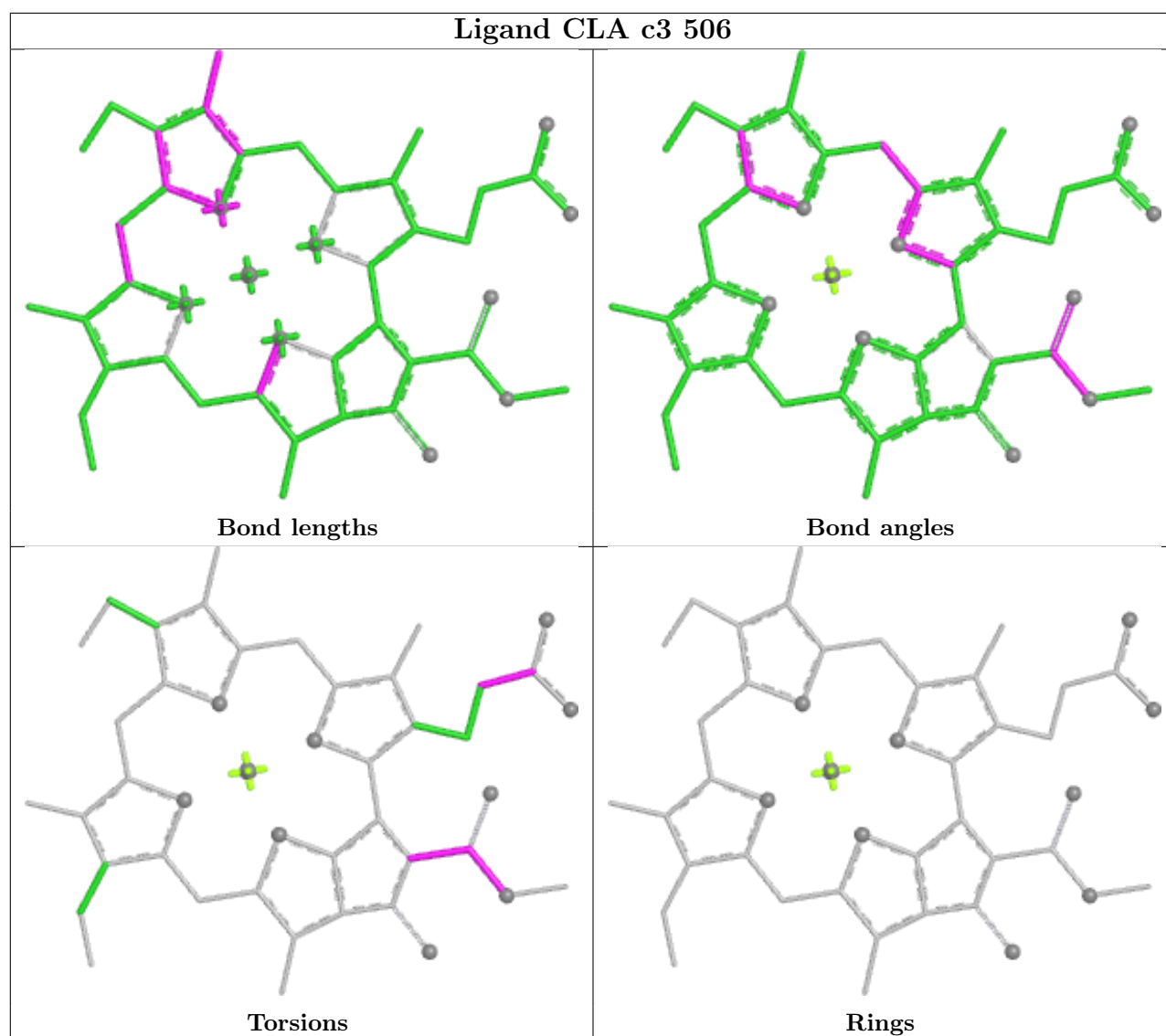


Rings

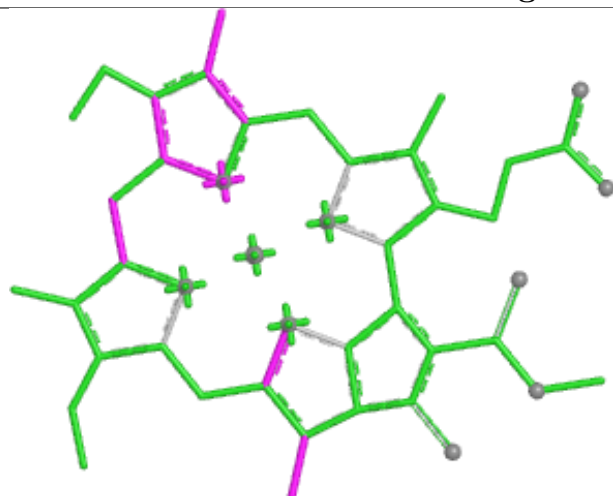


Ligand CLA d 516

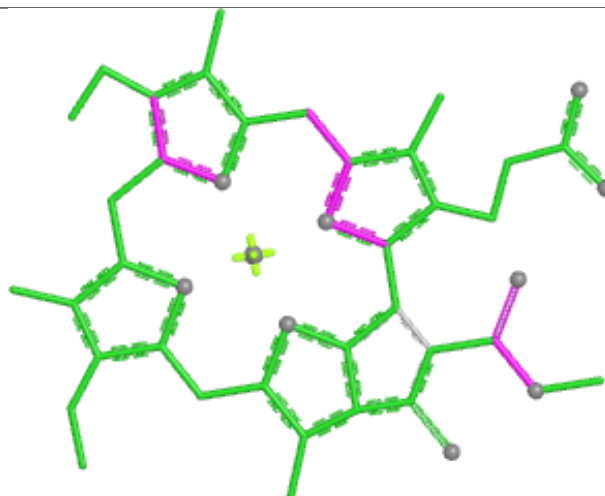




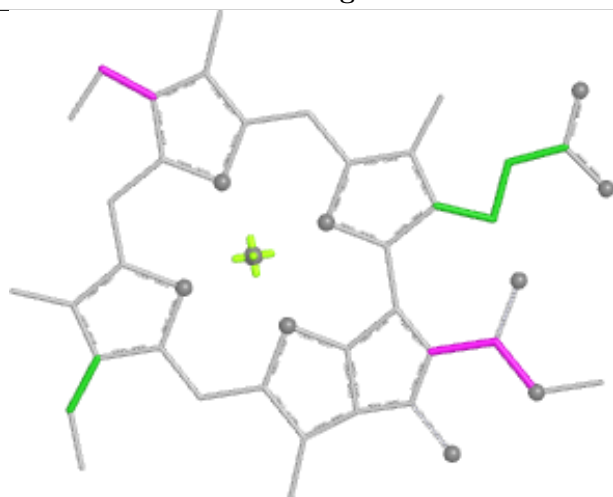
Ligand CLA a 502



Bond lengths



Bond angles

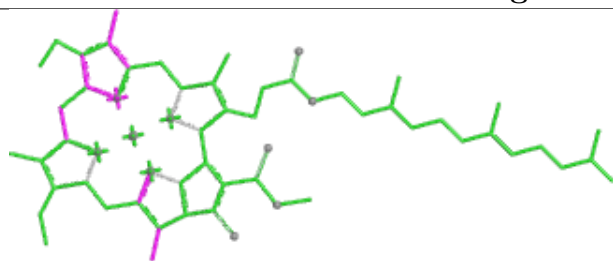


Torsions

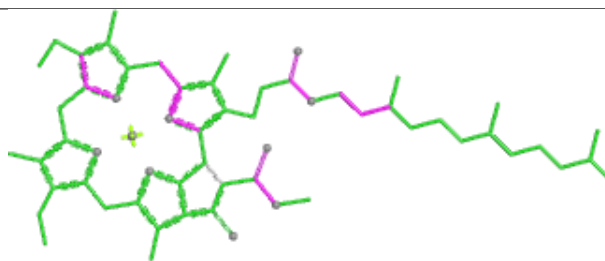


Rings

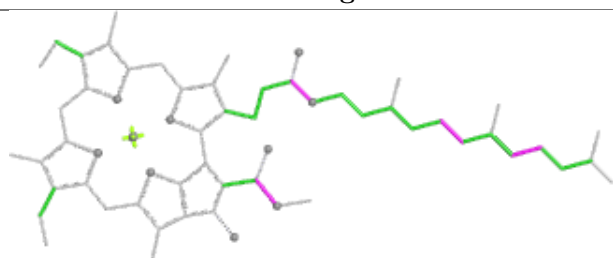
Ligand CLA c1 502



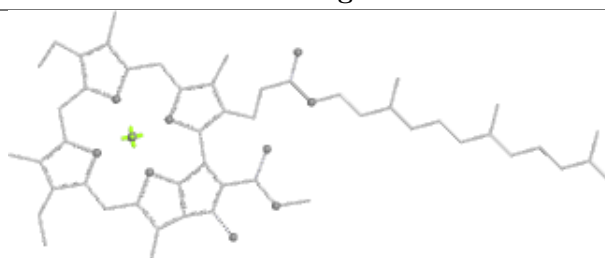
Bond lengths



Bond angles

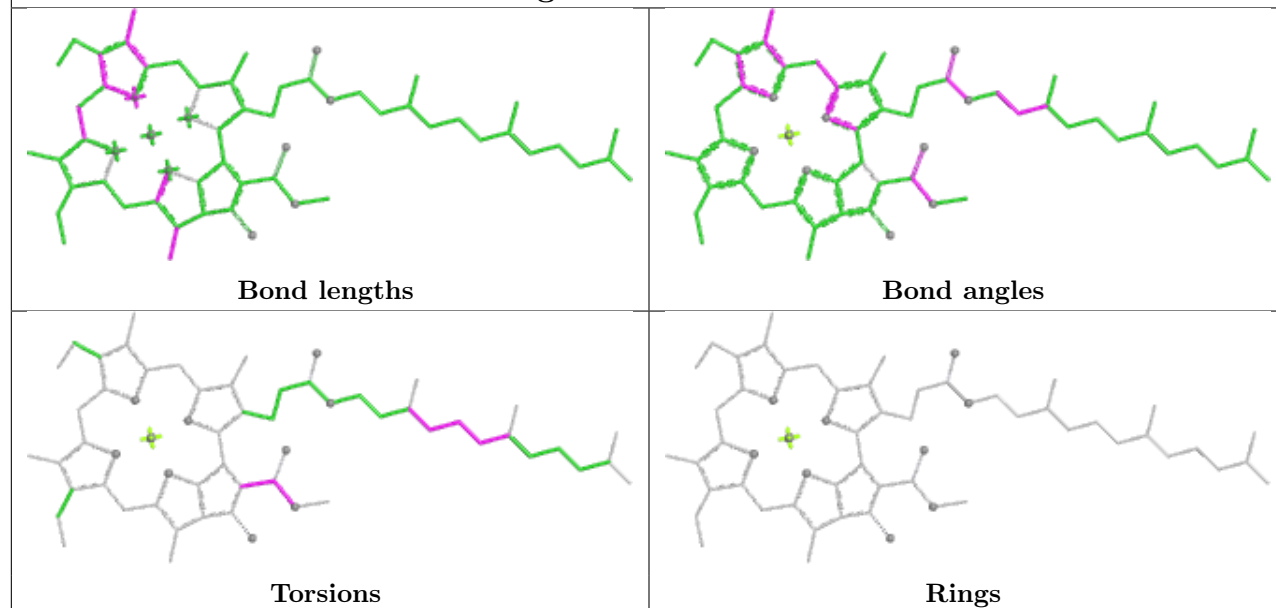


Torsions

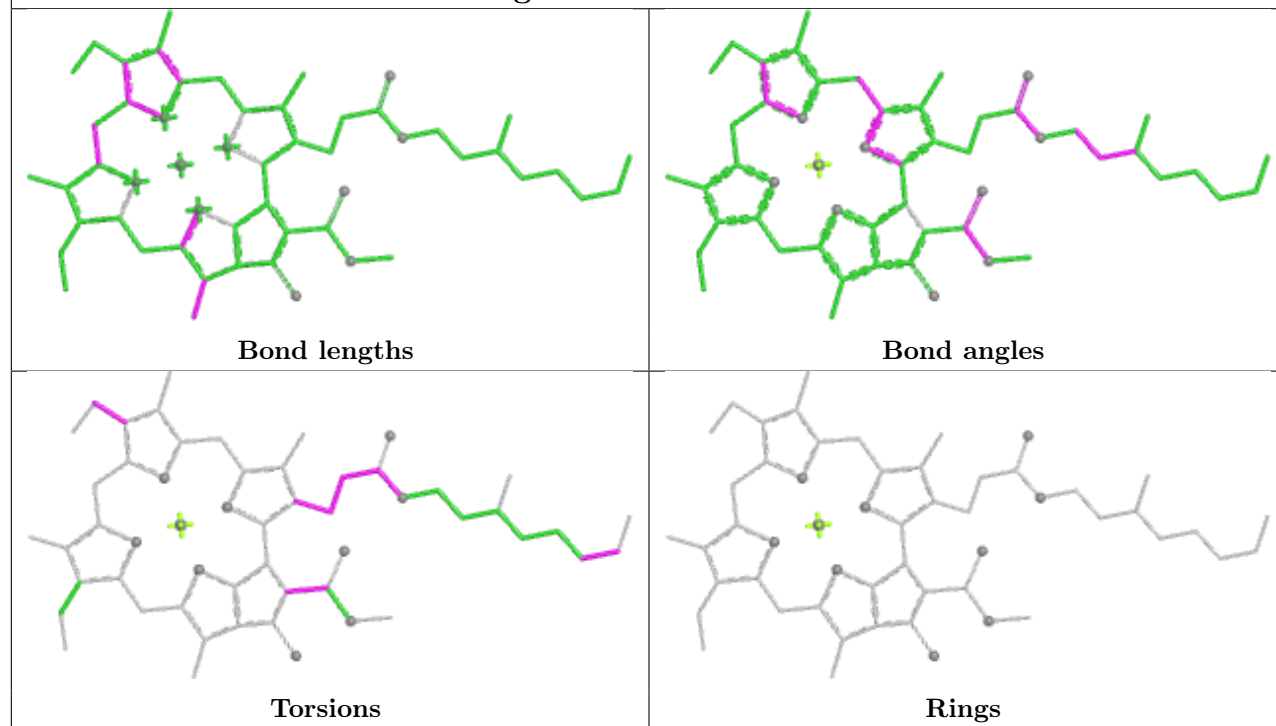


Rings

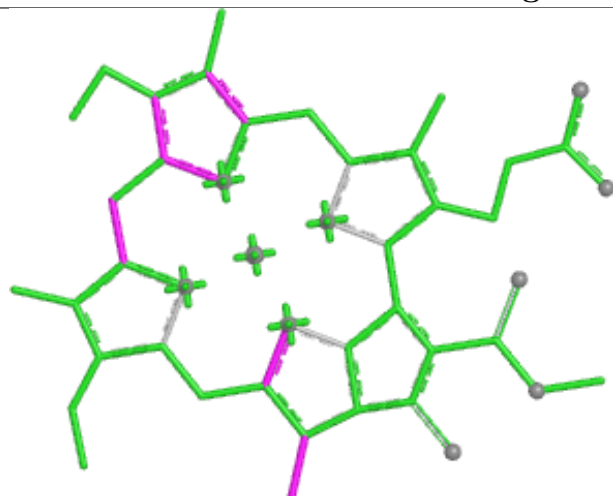
Ligand CLA c 510



Ligand CLA bB 1227



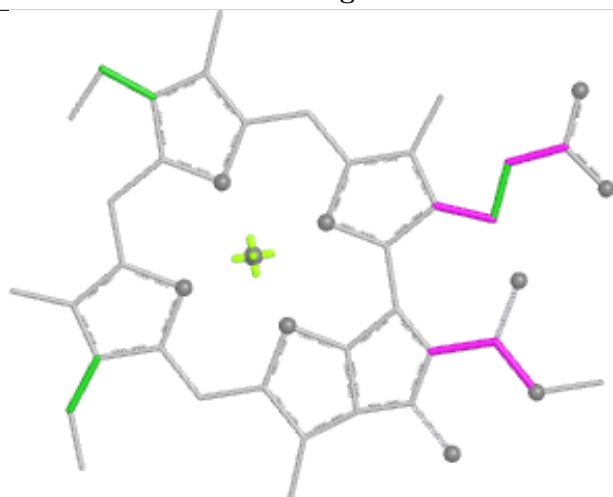
Ligand CLA 1 516



Bond lengths



Bond angles

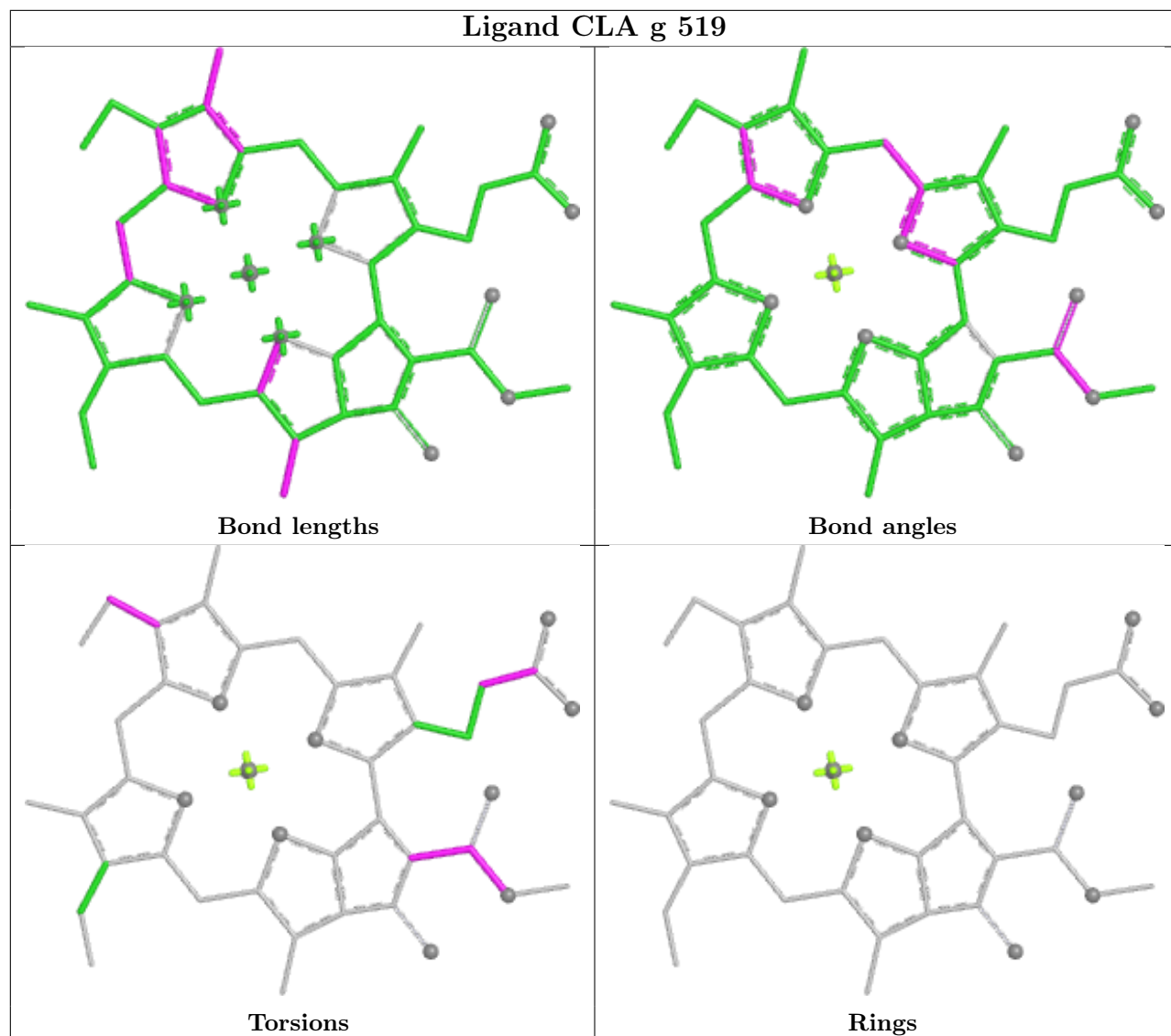


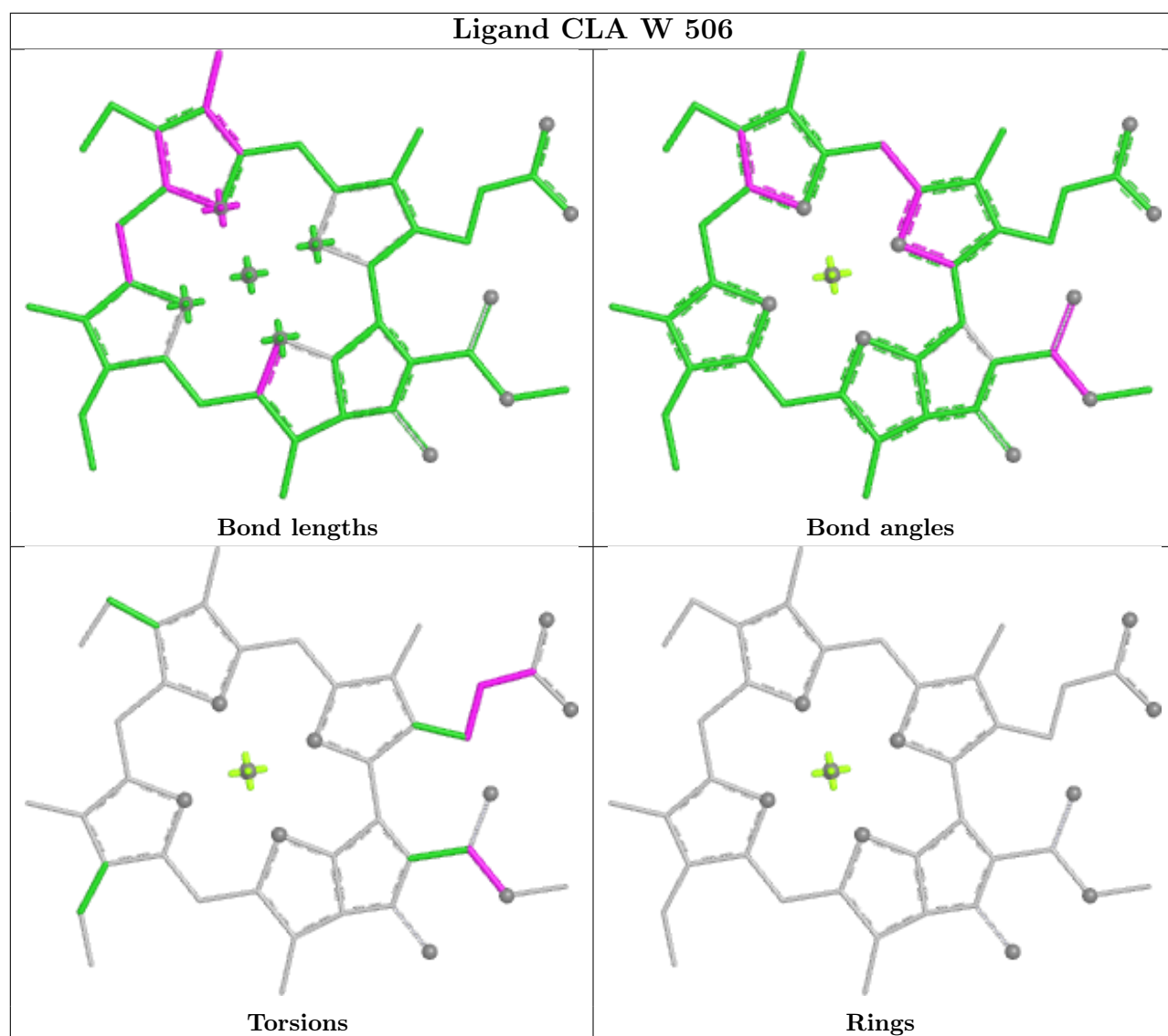
Torsions

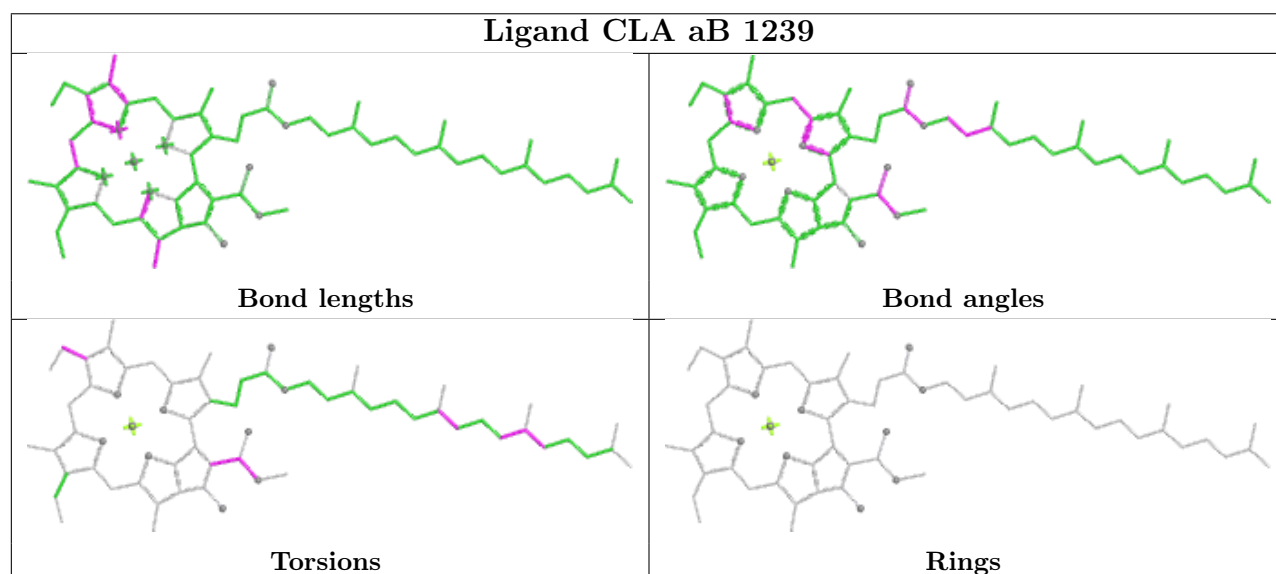
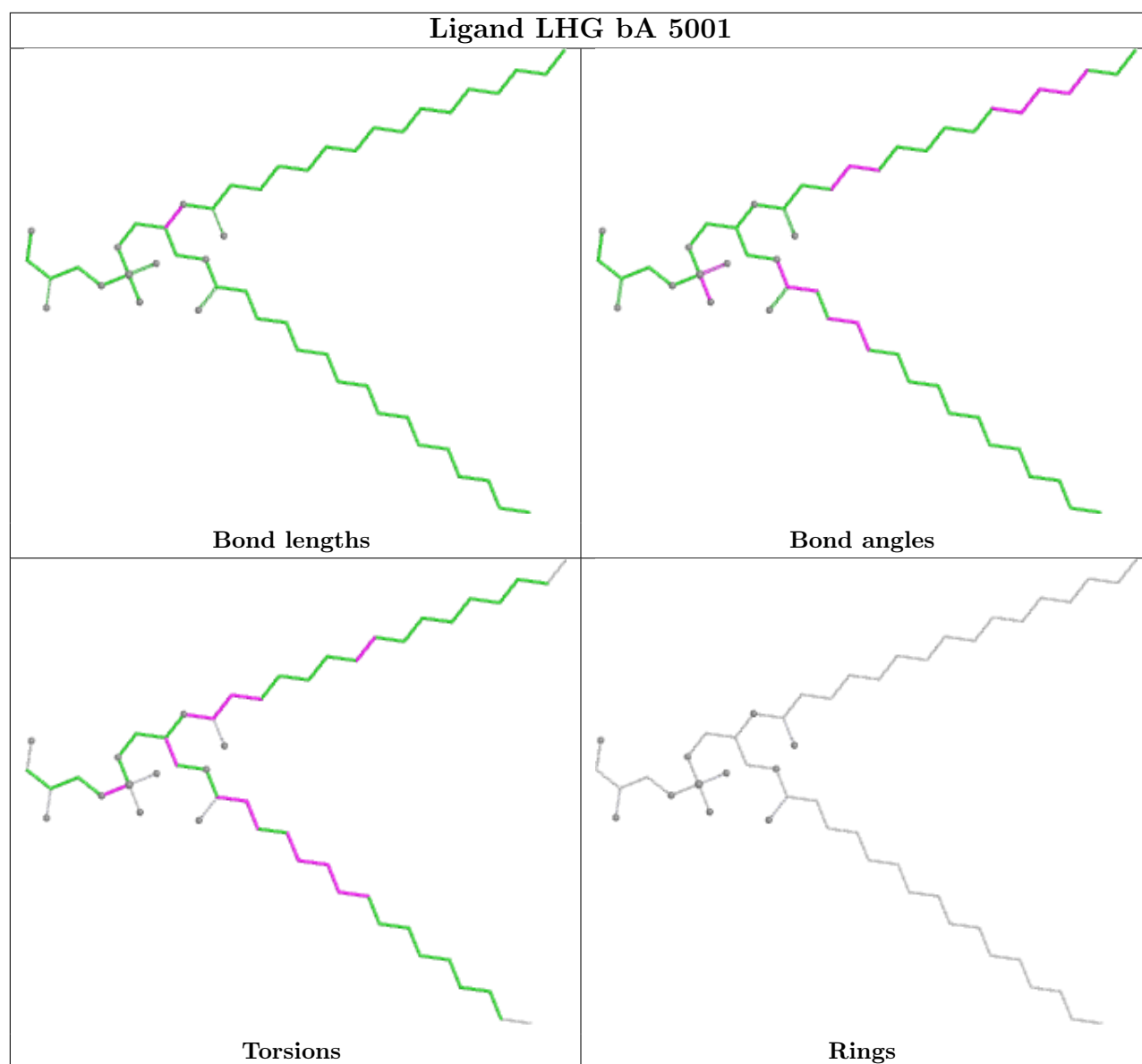


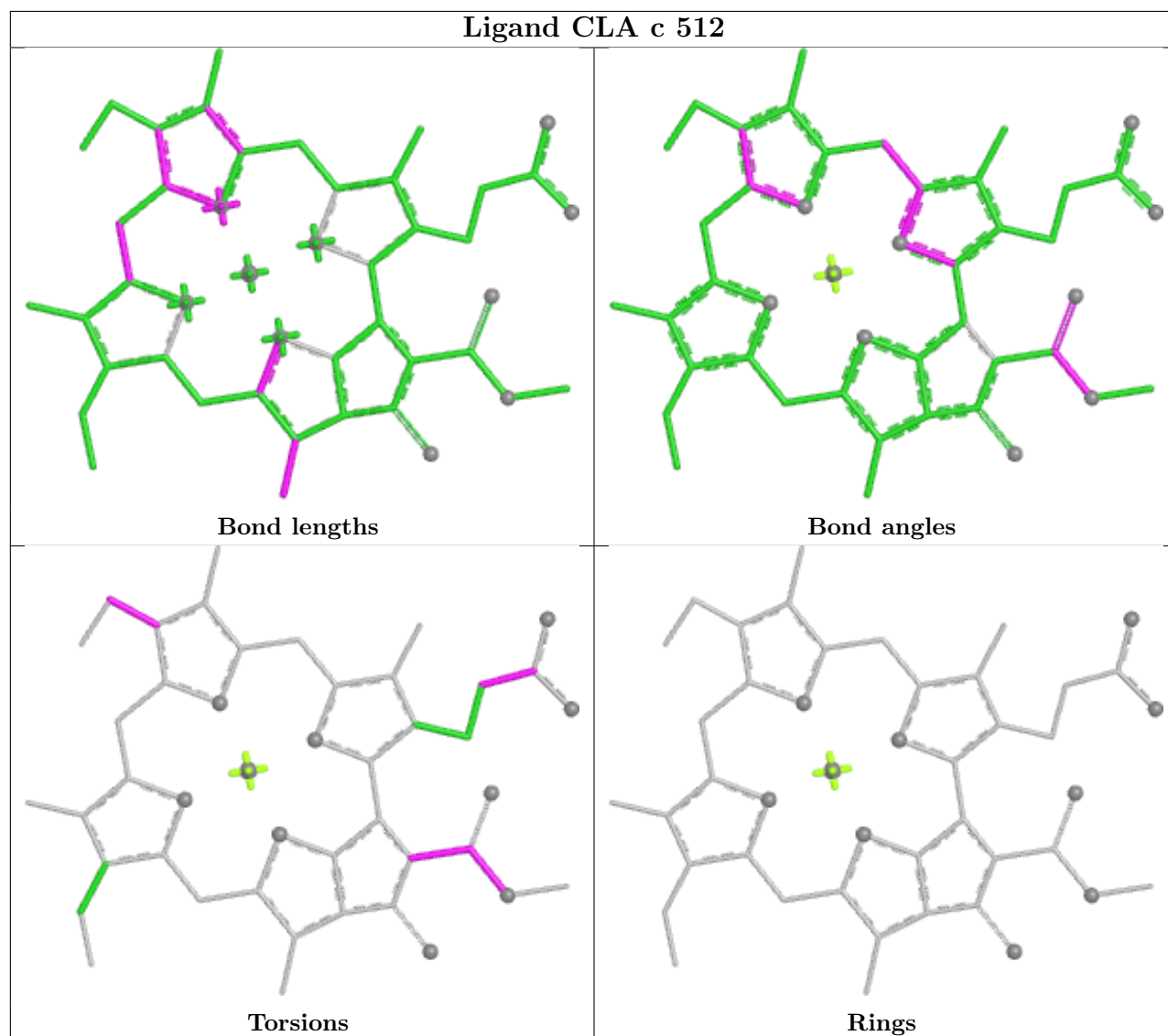
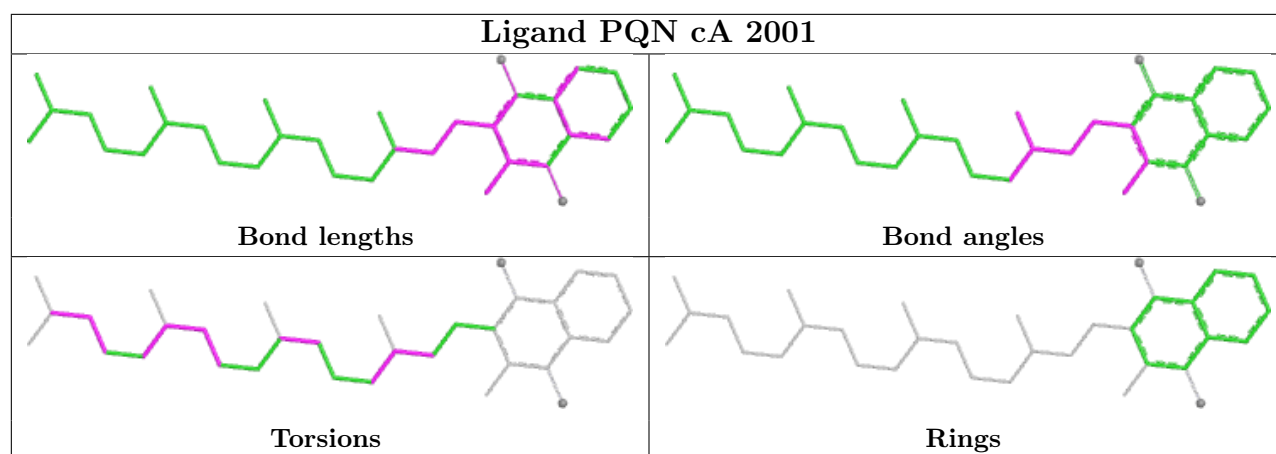
Rings

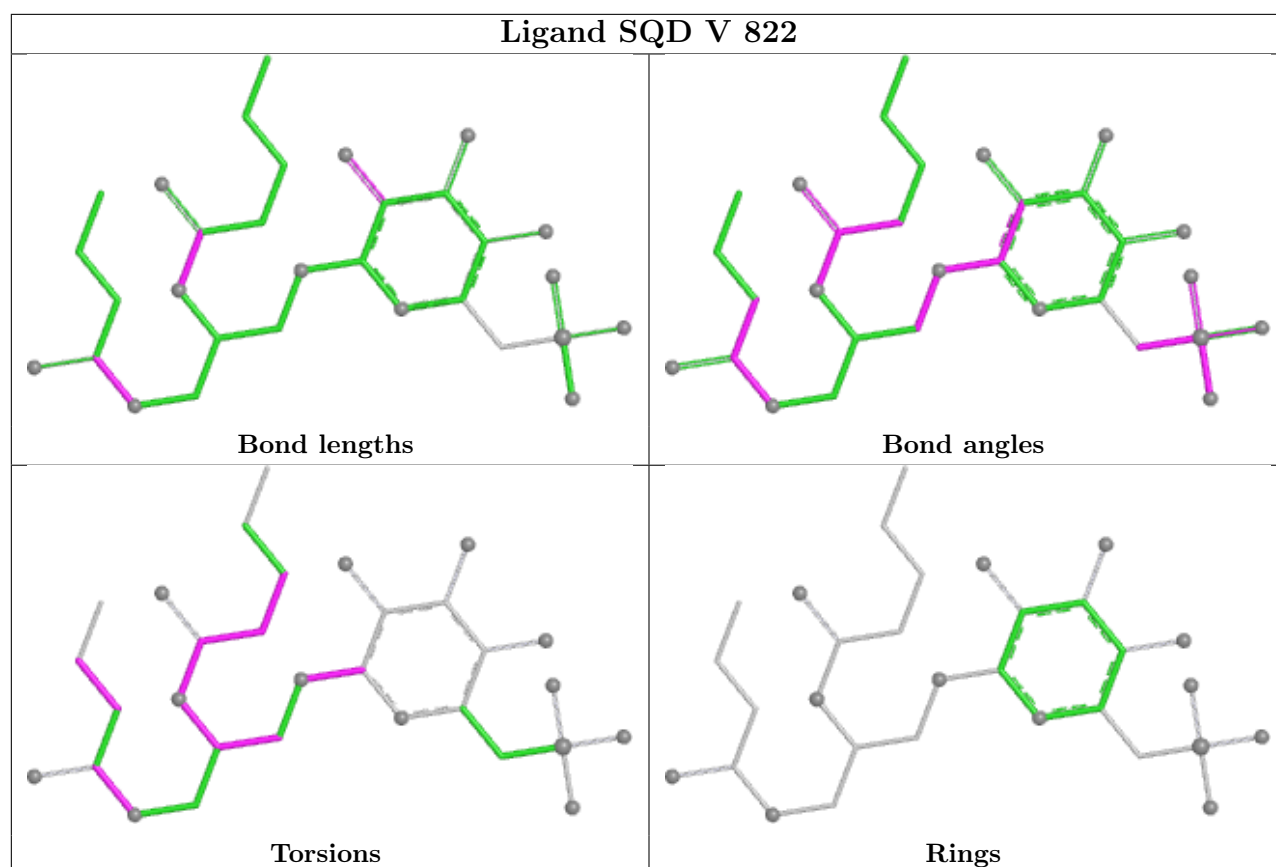
Ligand CLA g 519



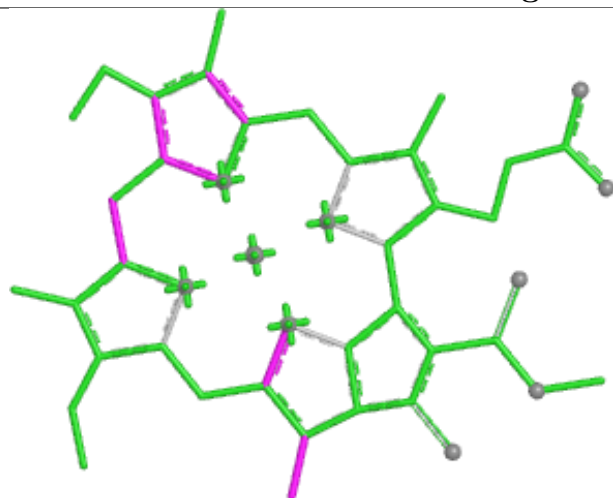




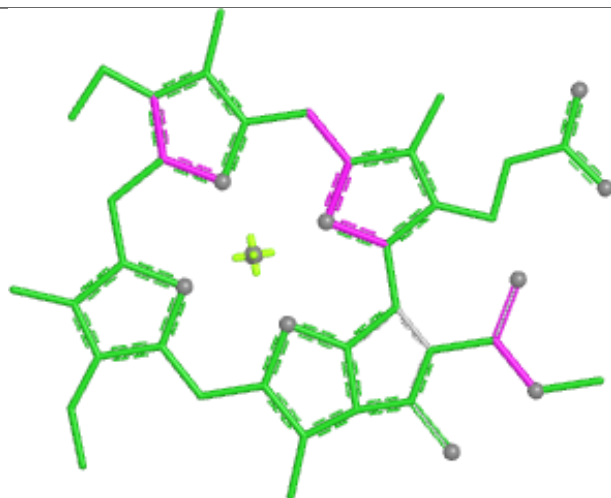




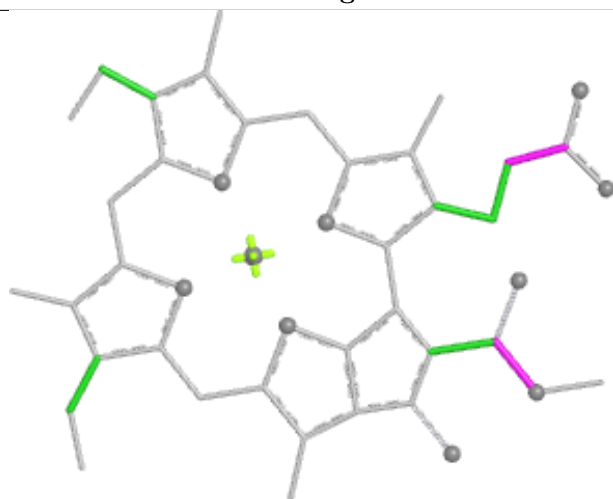
Ligand CLA f 519



Bond lengths



Bond angles

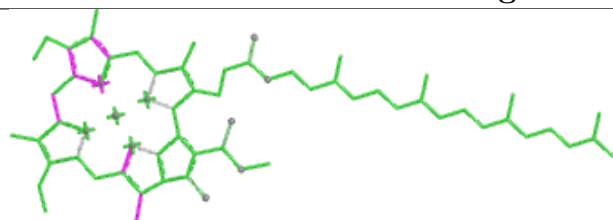


Torsions

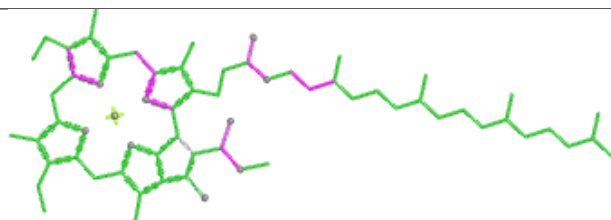


Rings

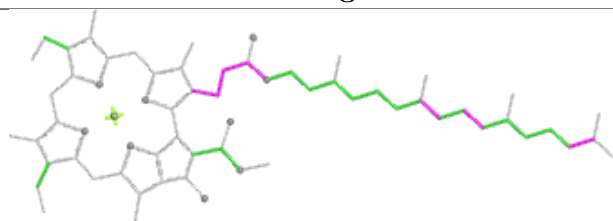
Ligand CLA aL 1503



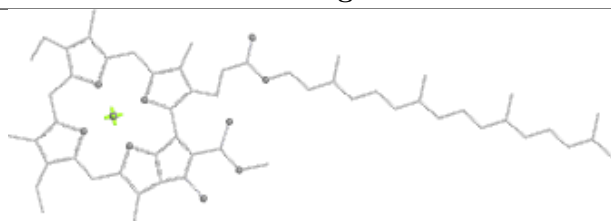
Bond lengths



Bond angles

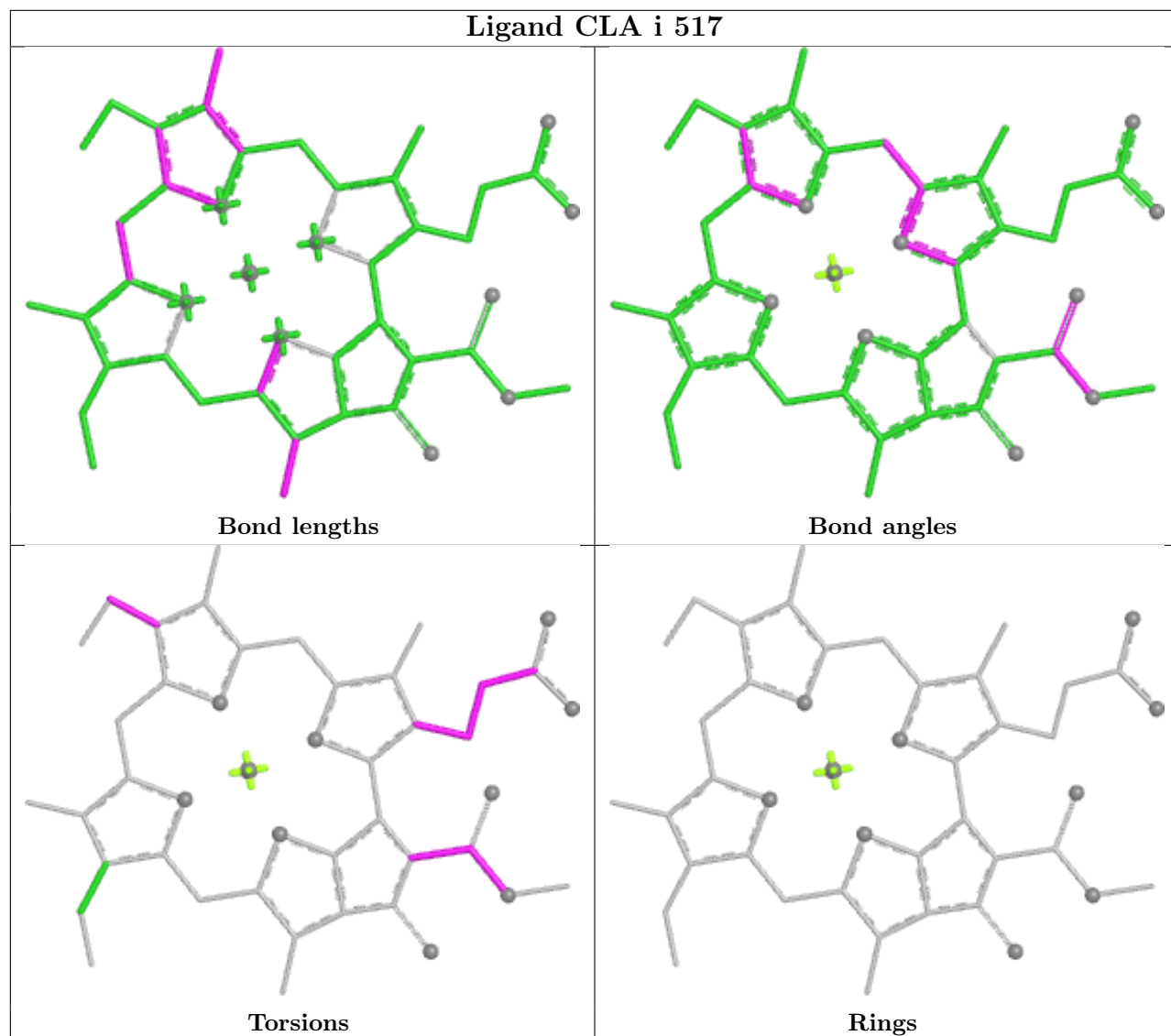


Torsions

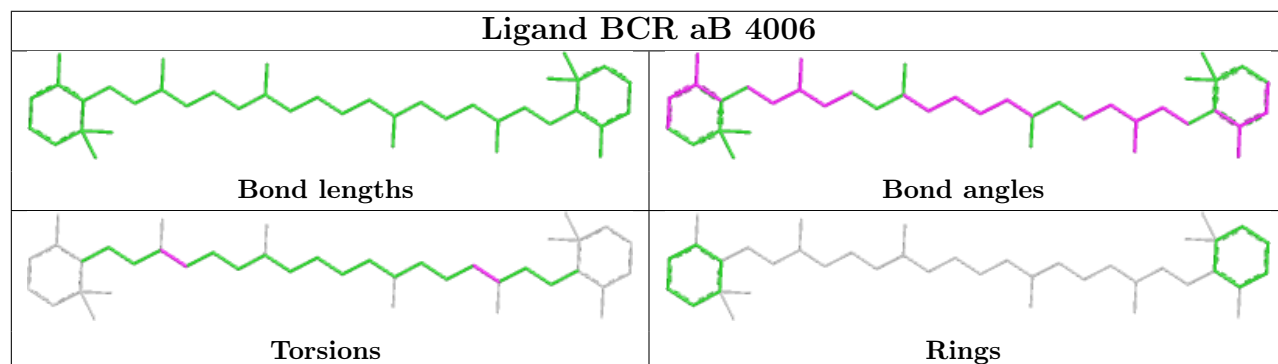


Rings

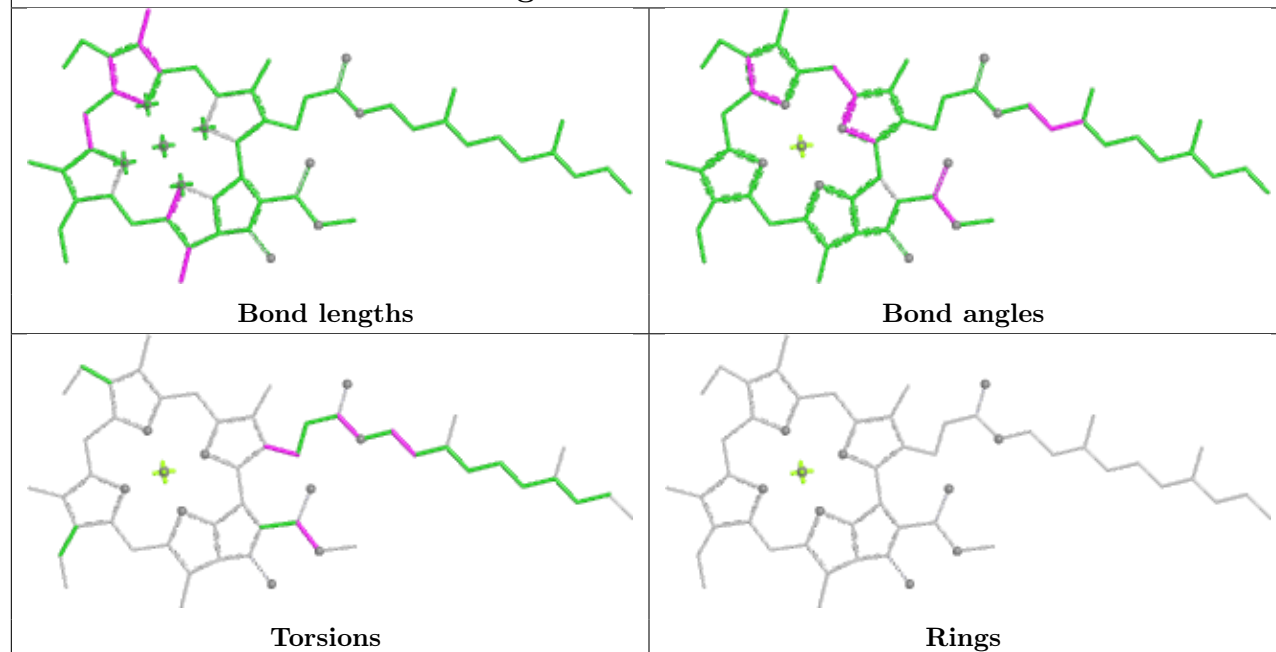
Ligand CLA i 517



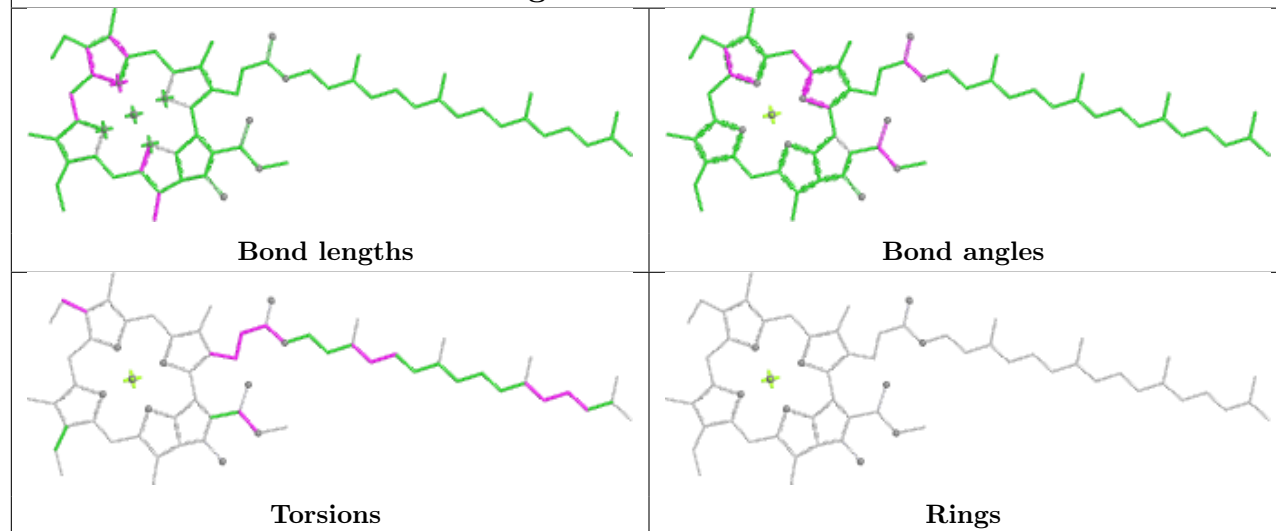
Ligand BCR aB 4006

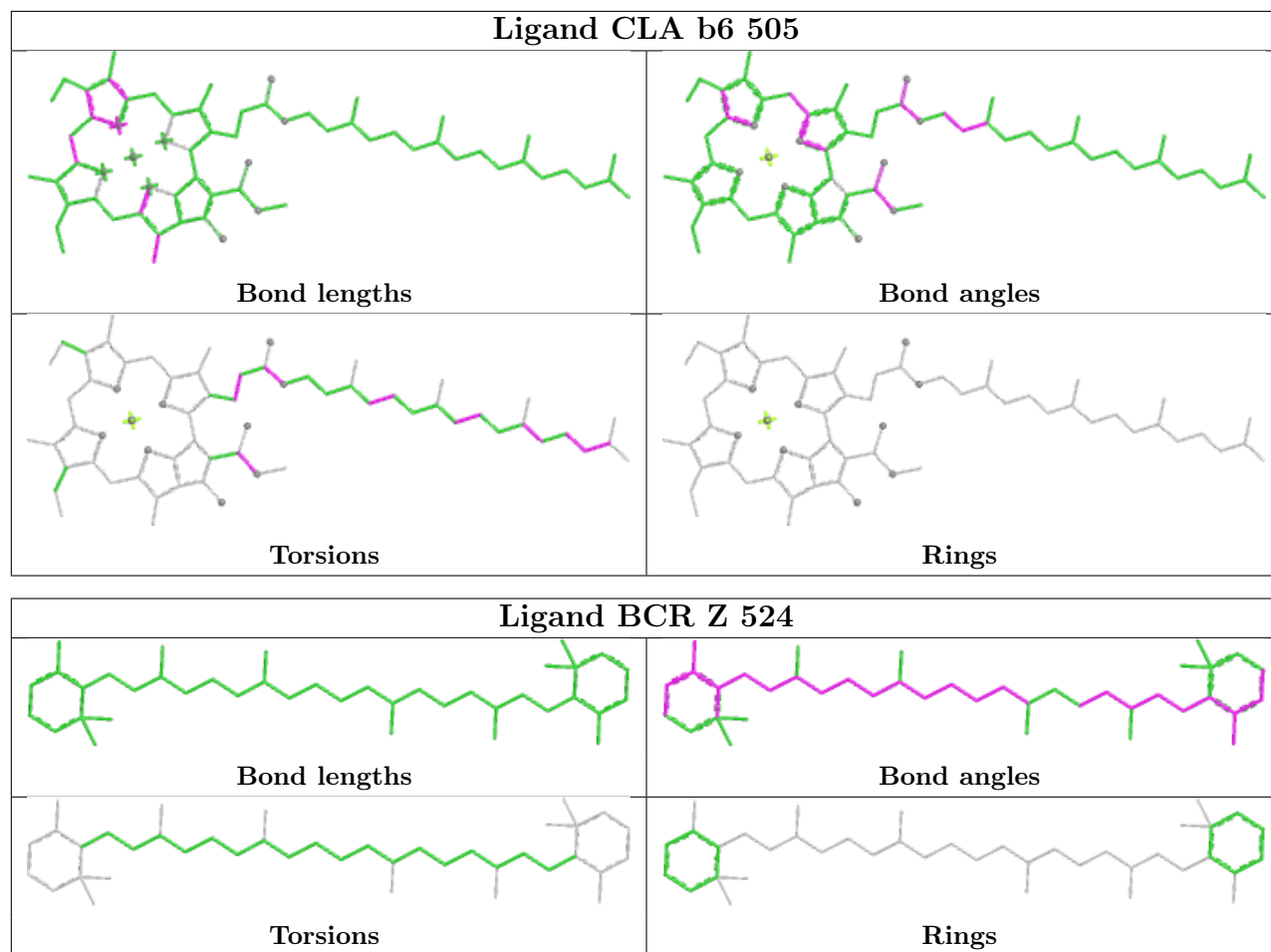


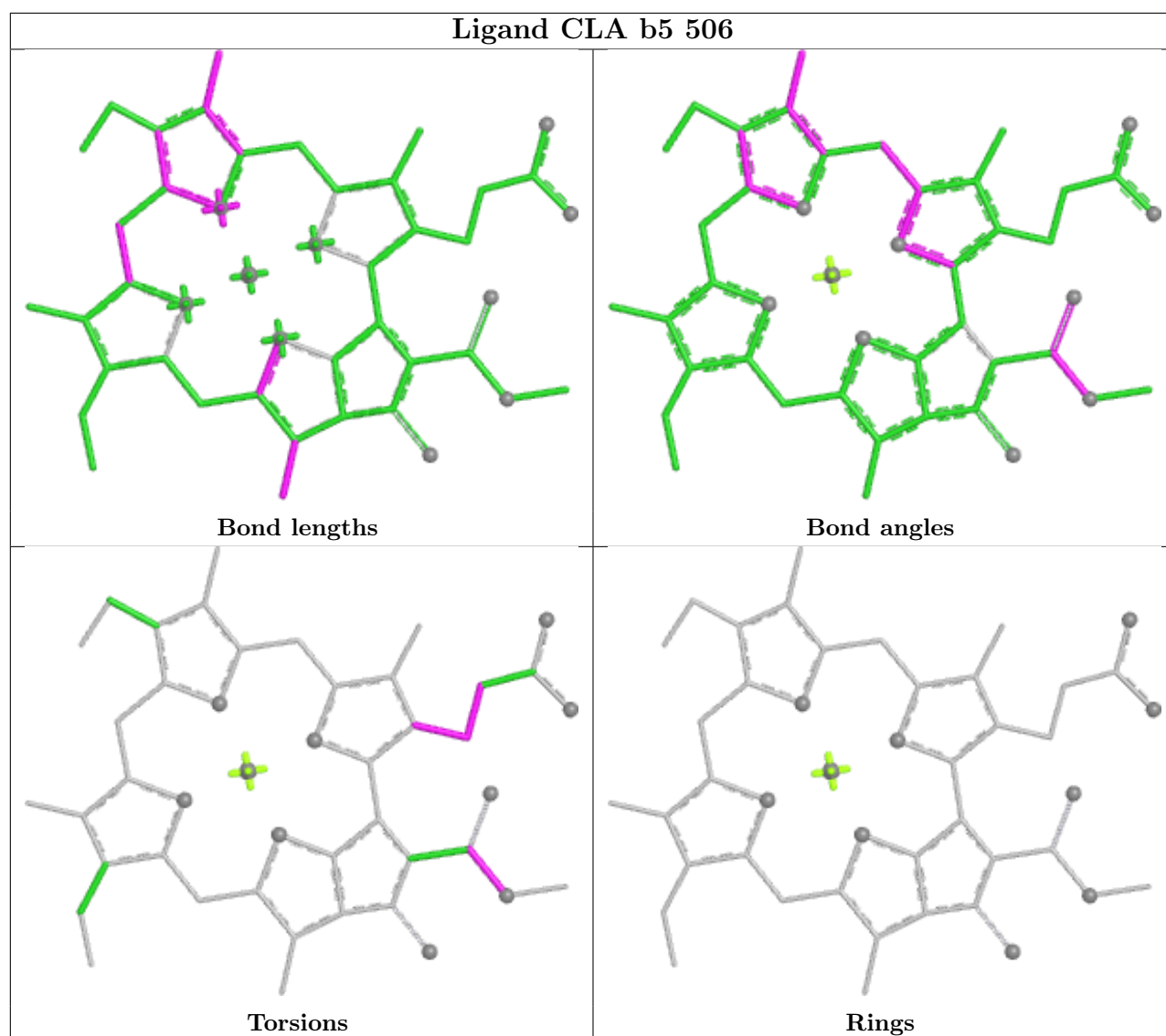
Ligand CLA bJ 1303

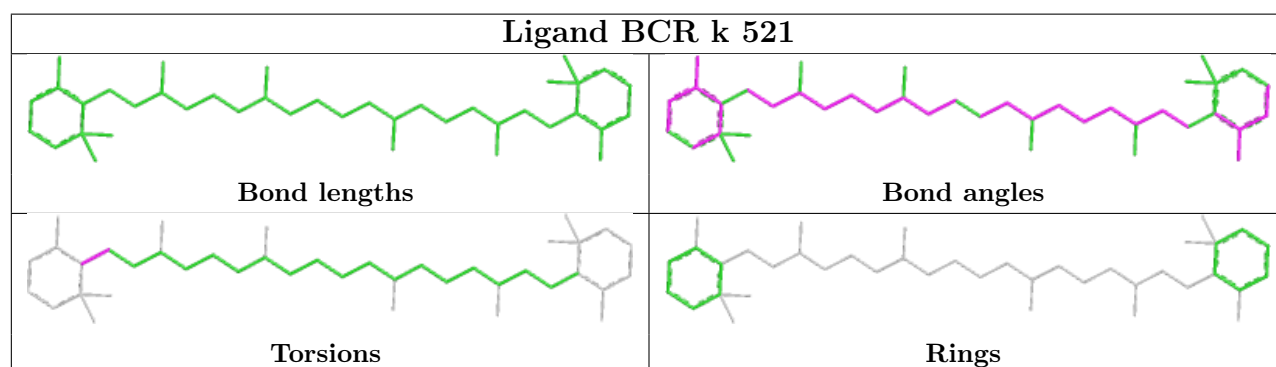
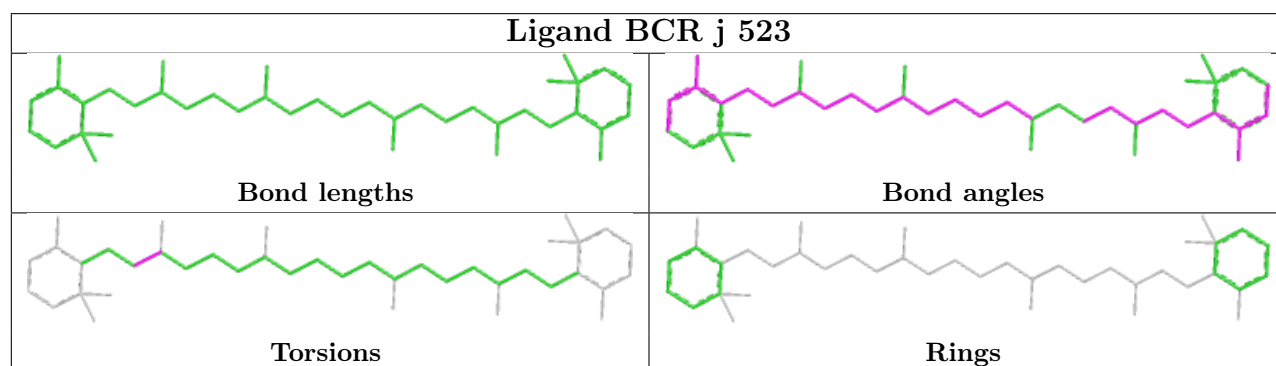
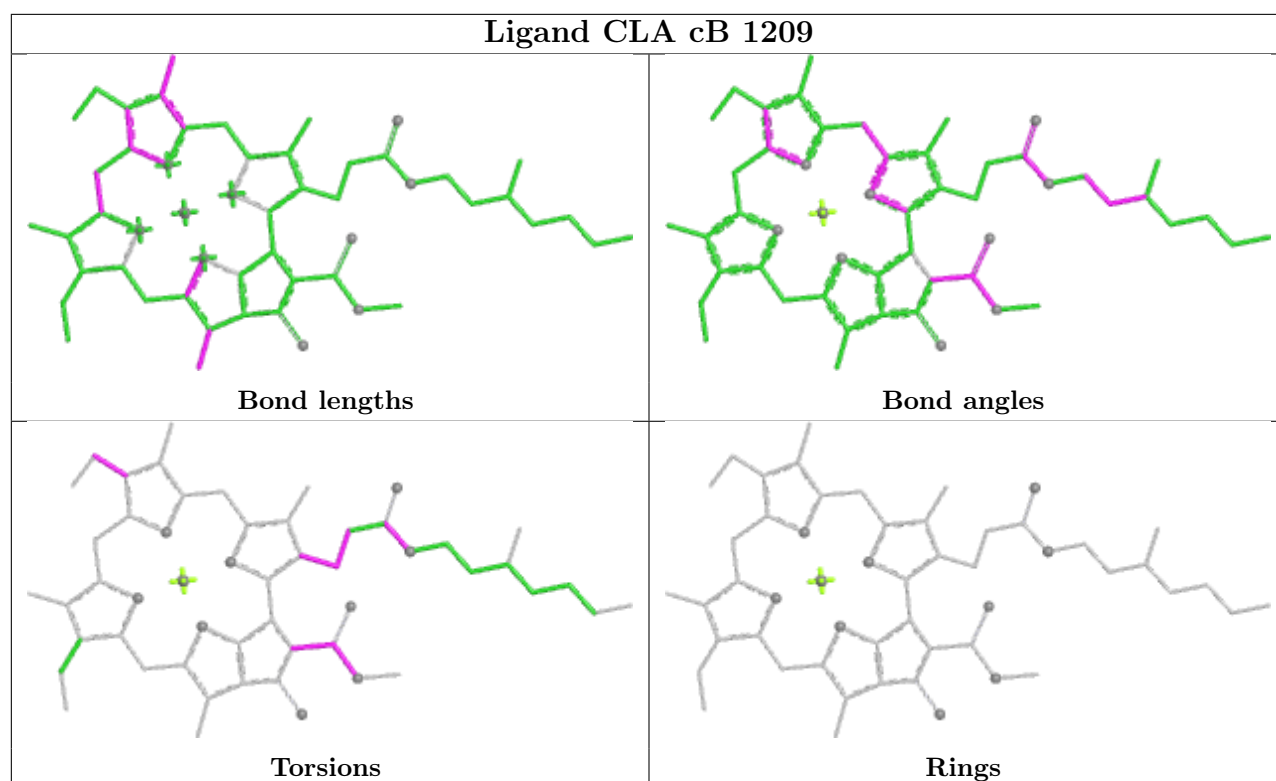


Ligand CLA c4 501

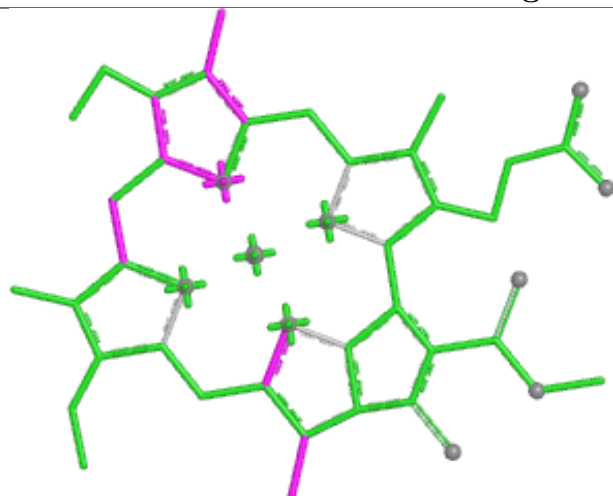




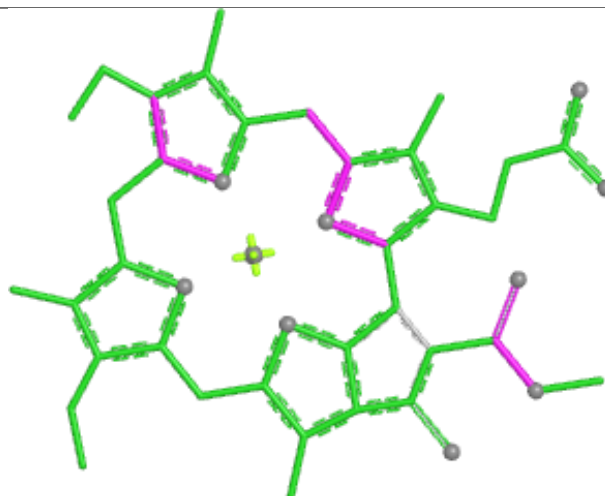




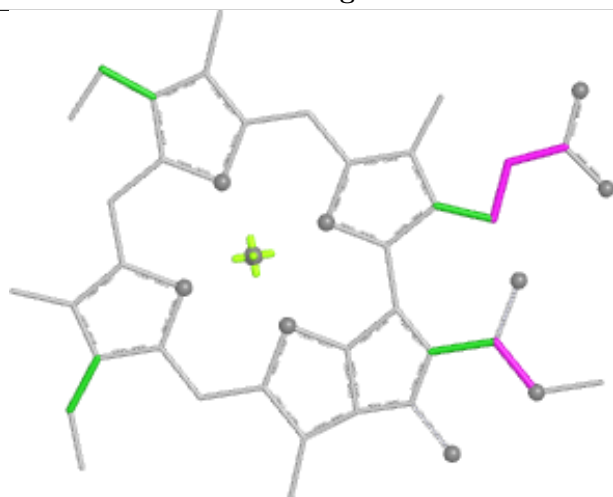
Ligand CLA i 511



Bond lengths



Bond angles

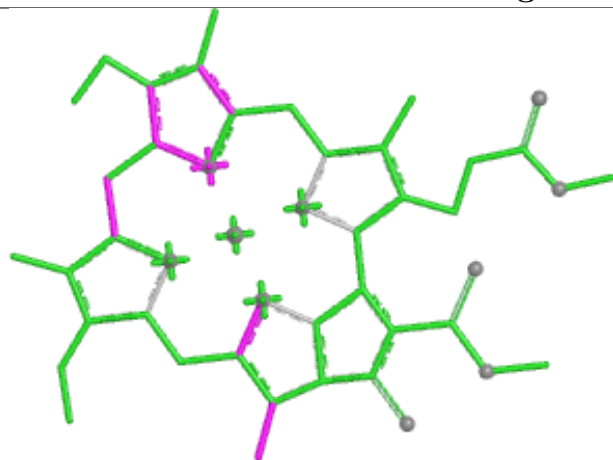


Torsions

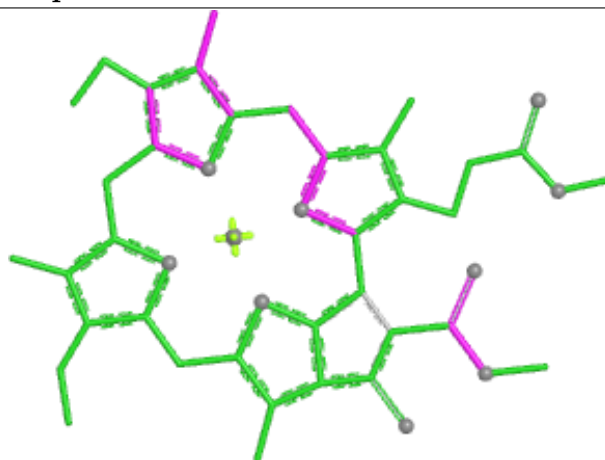


Rings

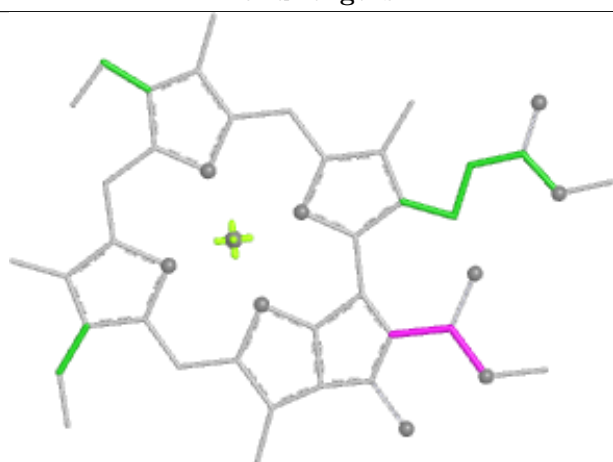
Ligand CLA p 510



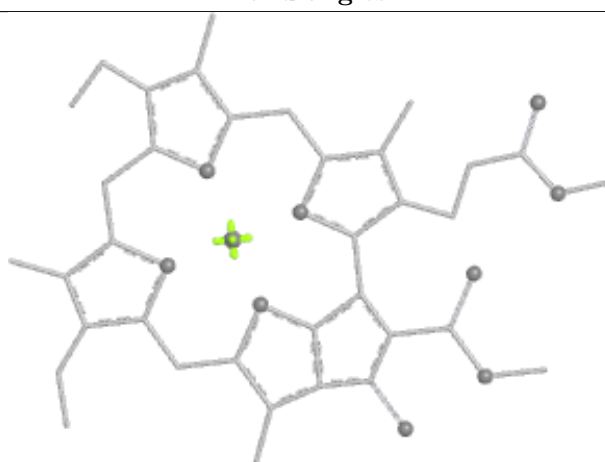
Bond lengths



Bond angles

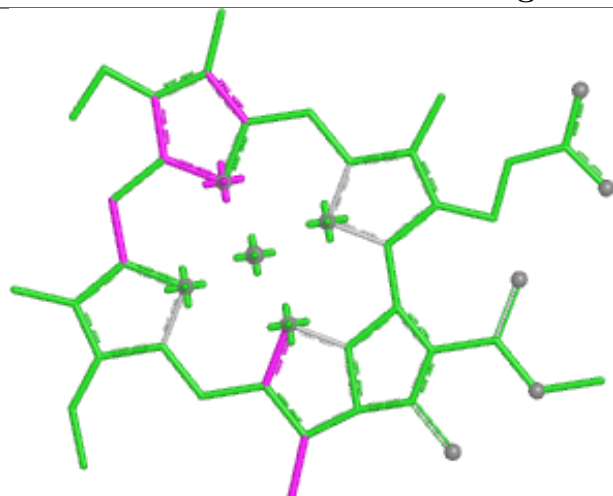


Torsions

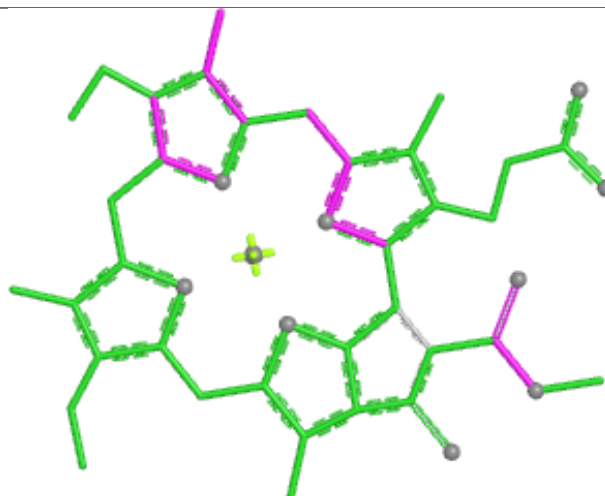


Rings

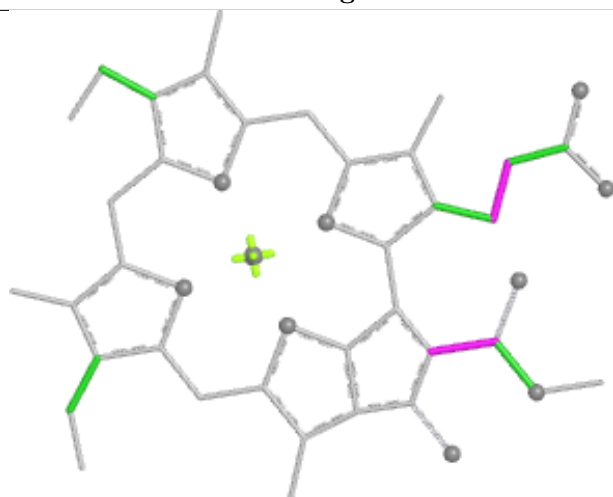
Ligand CLA n 513



Bond lengths



Bond angles

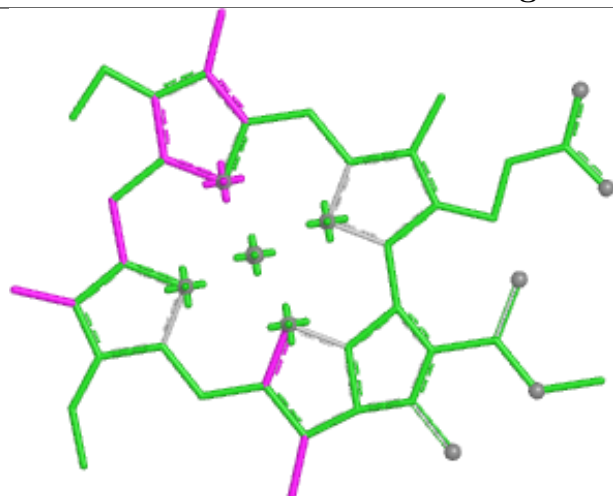


Torsions

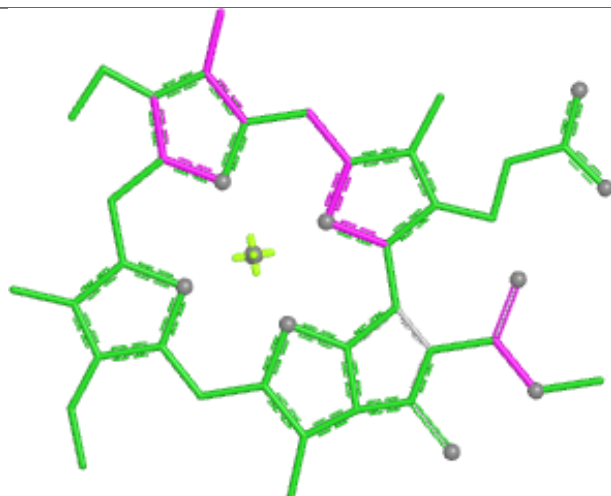


Rings

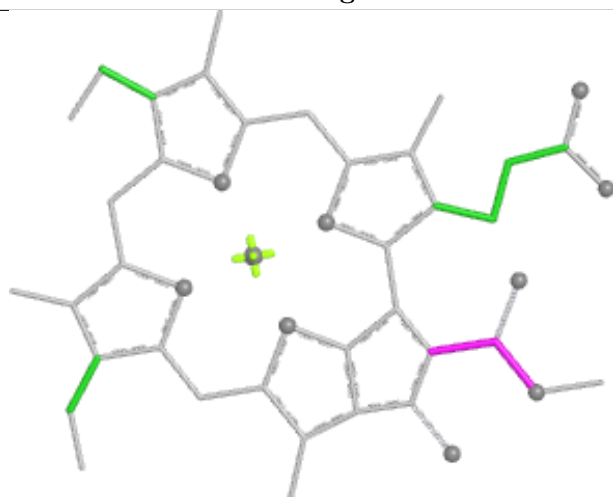
Ligand CLA c 506



Bond lengths



Bond angles

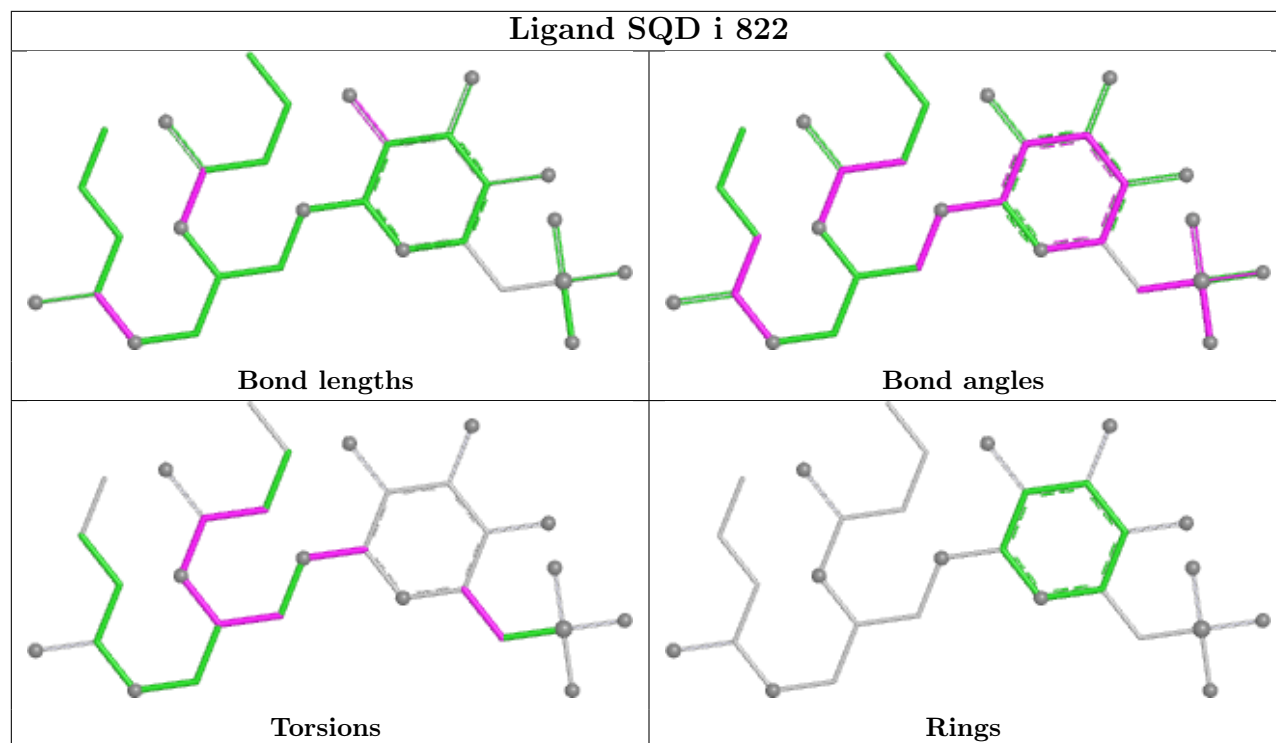


Torsions

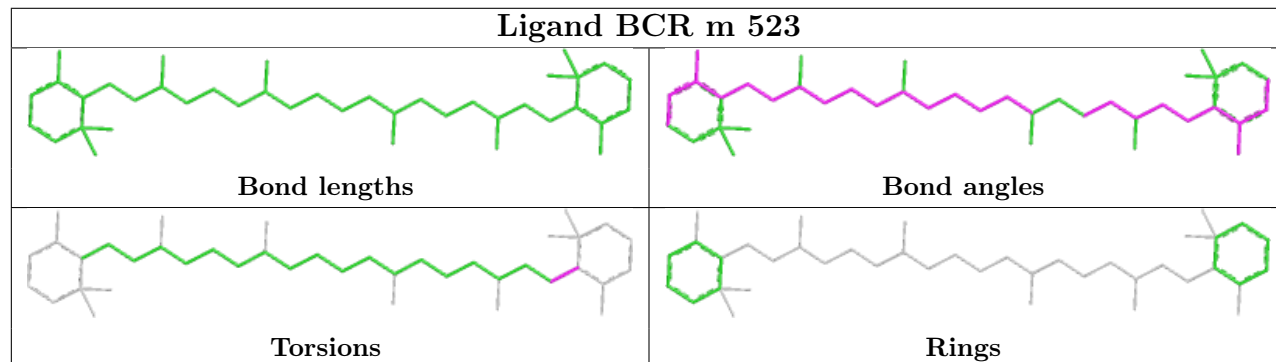


Rings

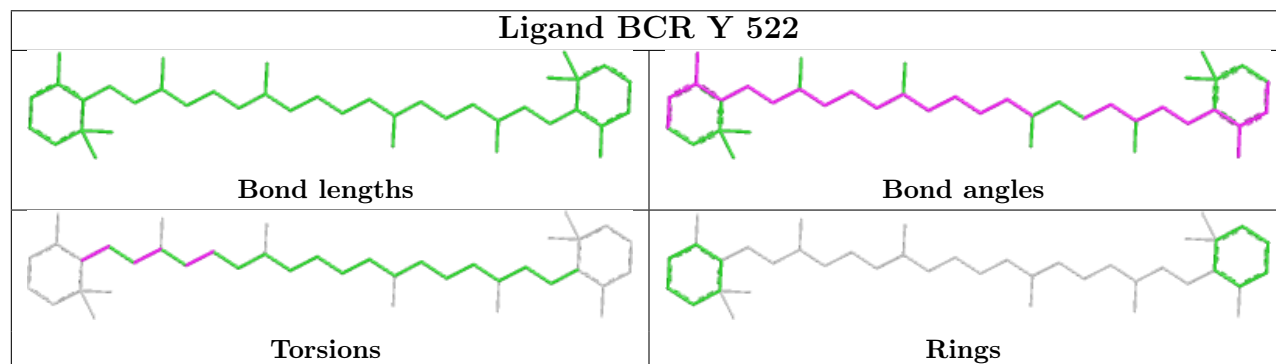
Ligand SQD i 822



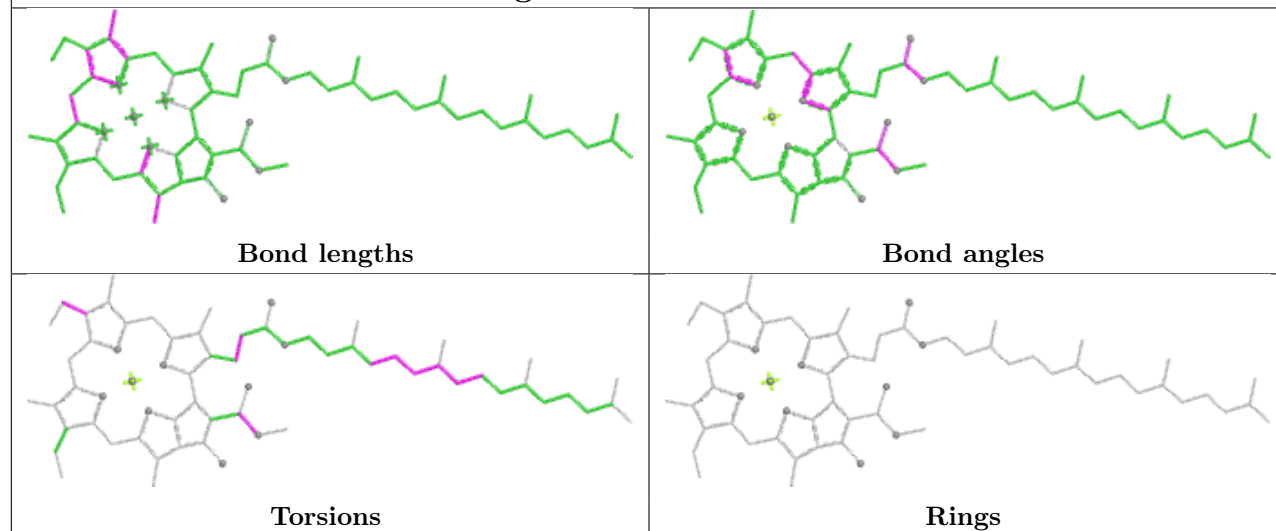
Ligand BCR m 523



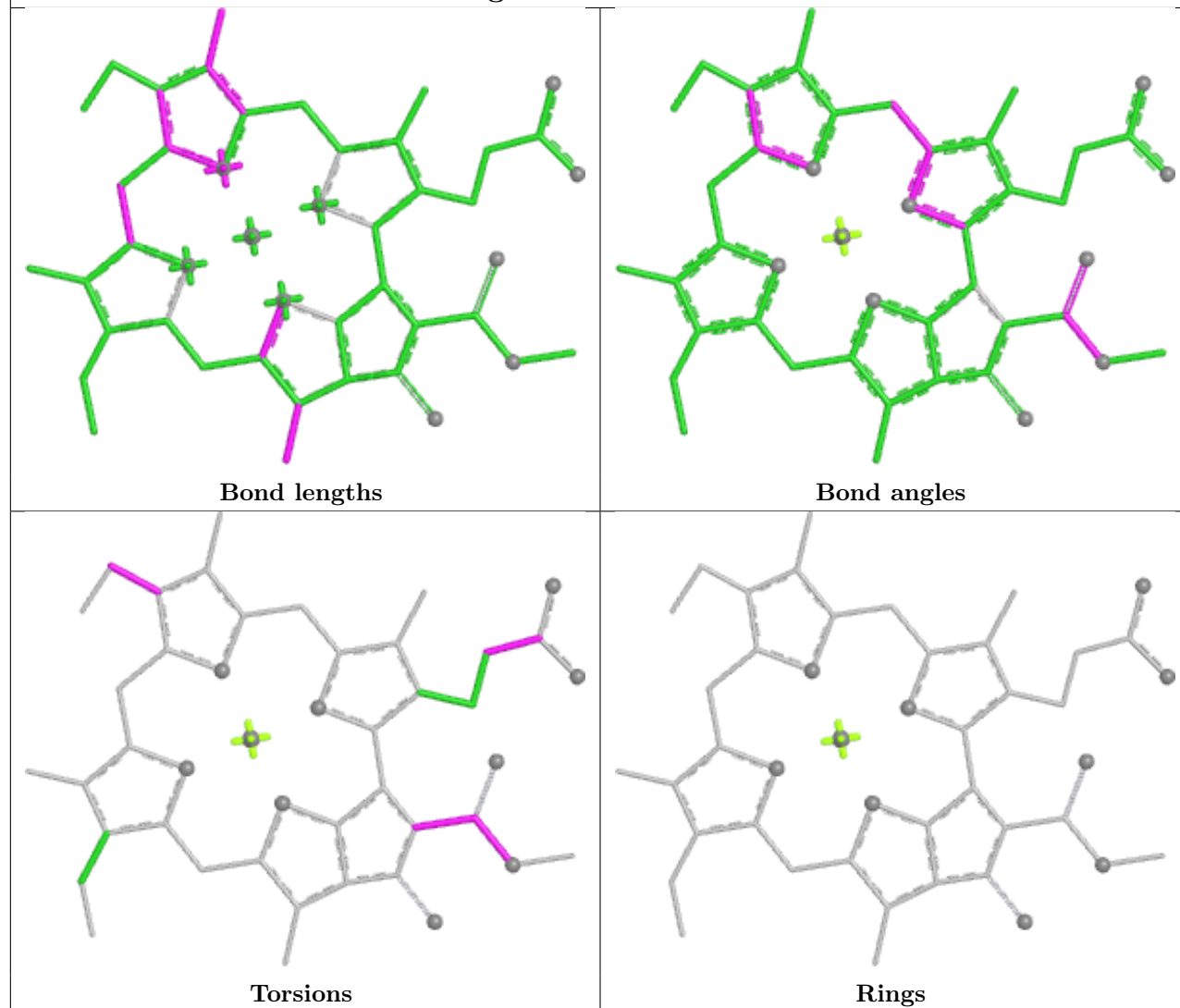
Ligand BCR Y 522



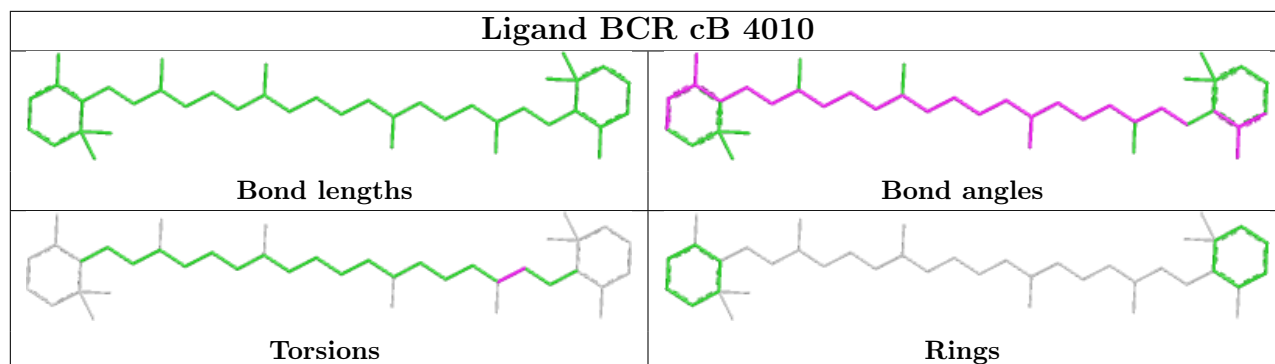
Ligand CLA cA 1138



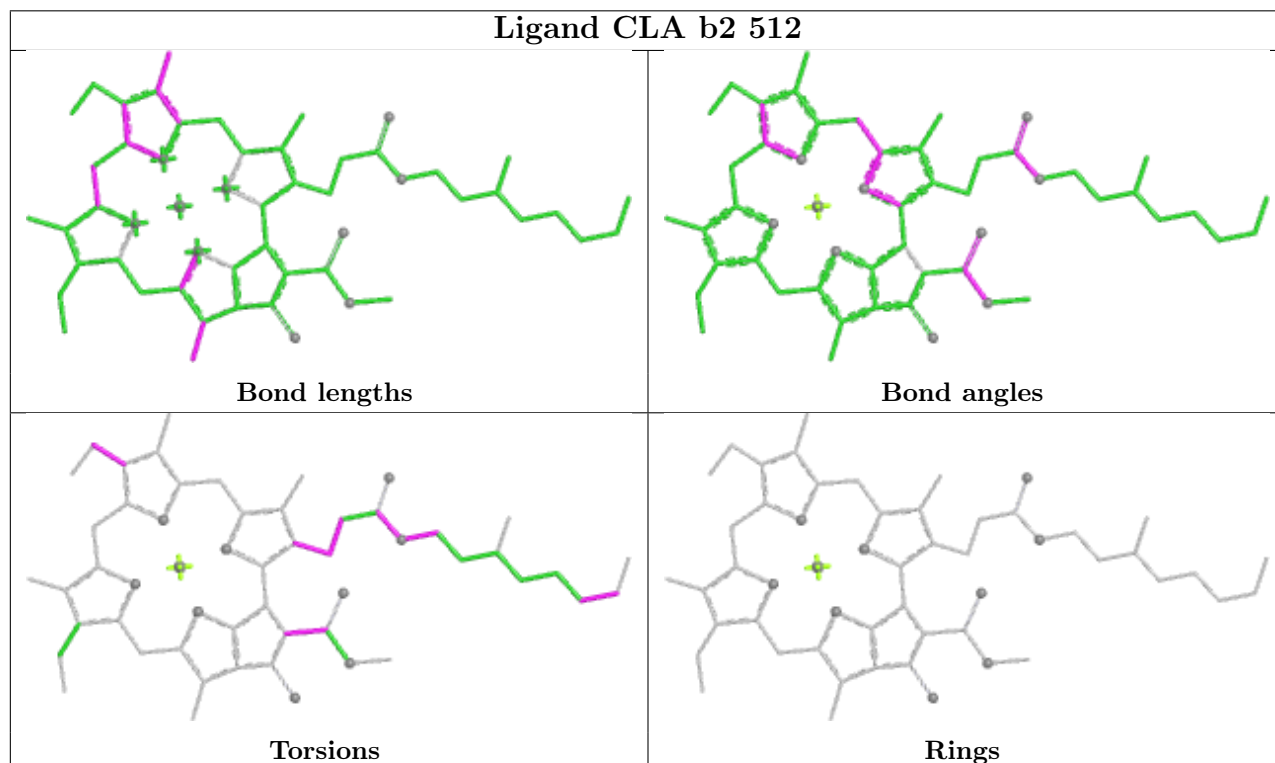
Ligand CLA a4 512



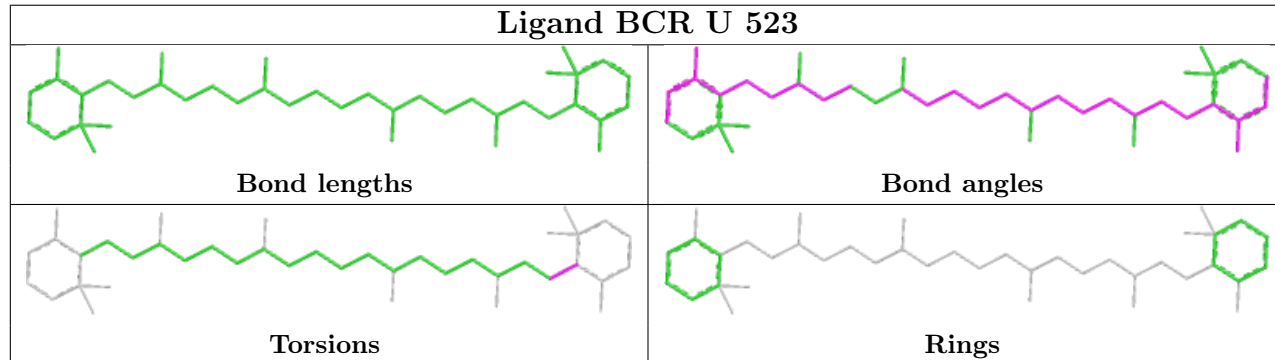
Ligand BCR cB 4010

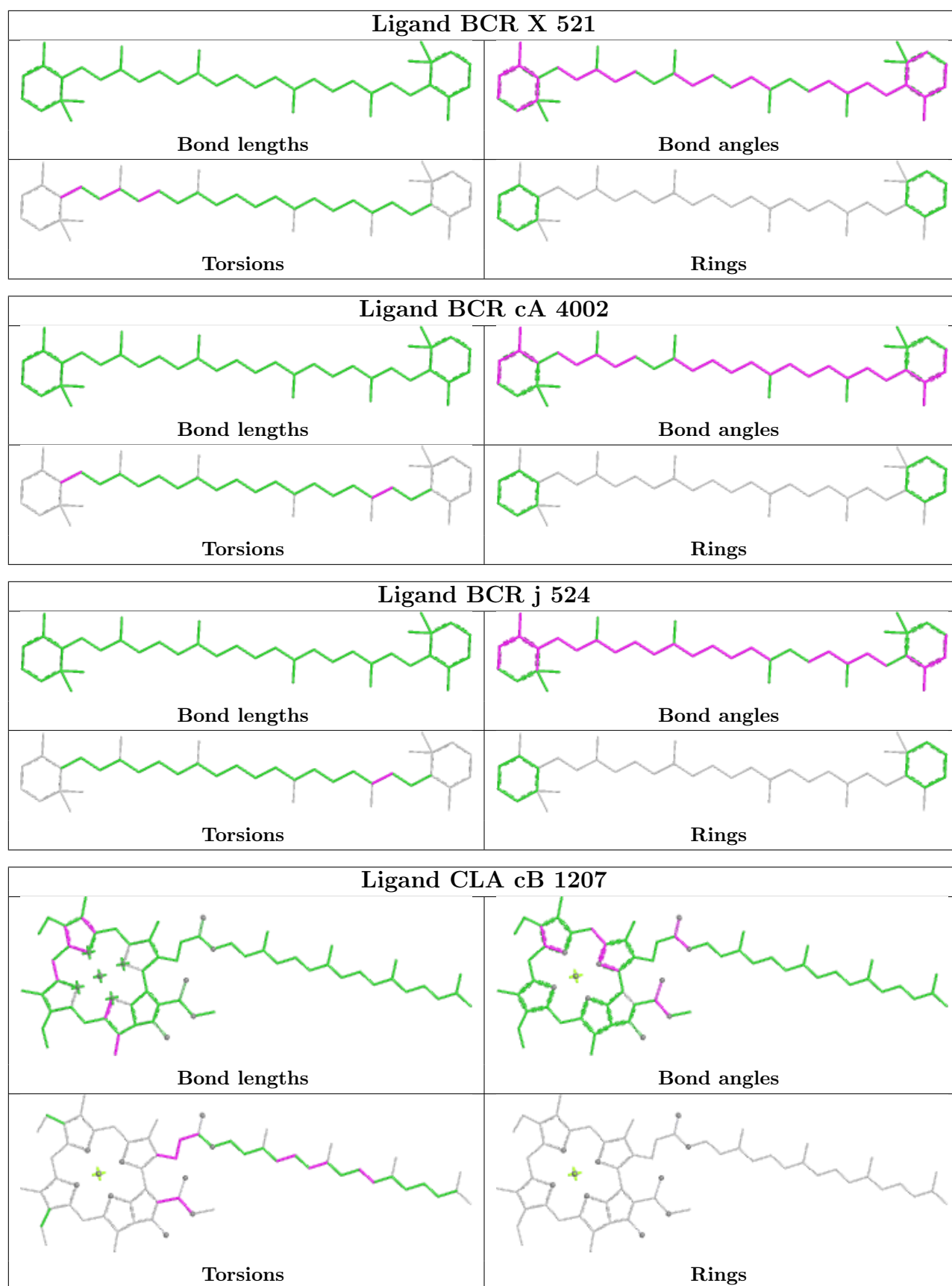


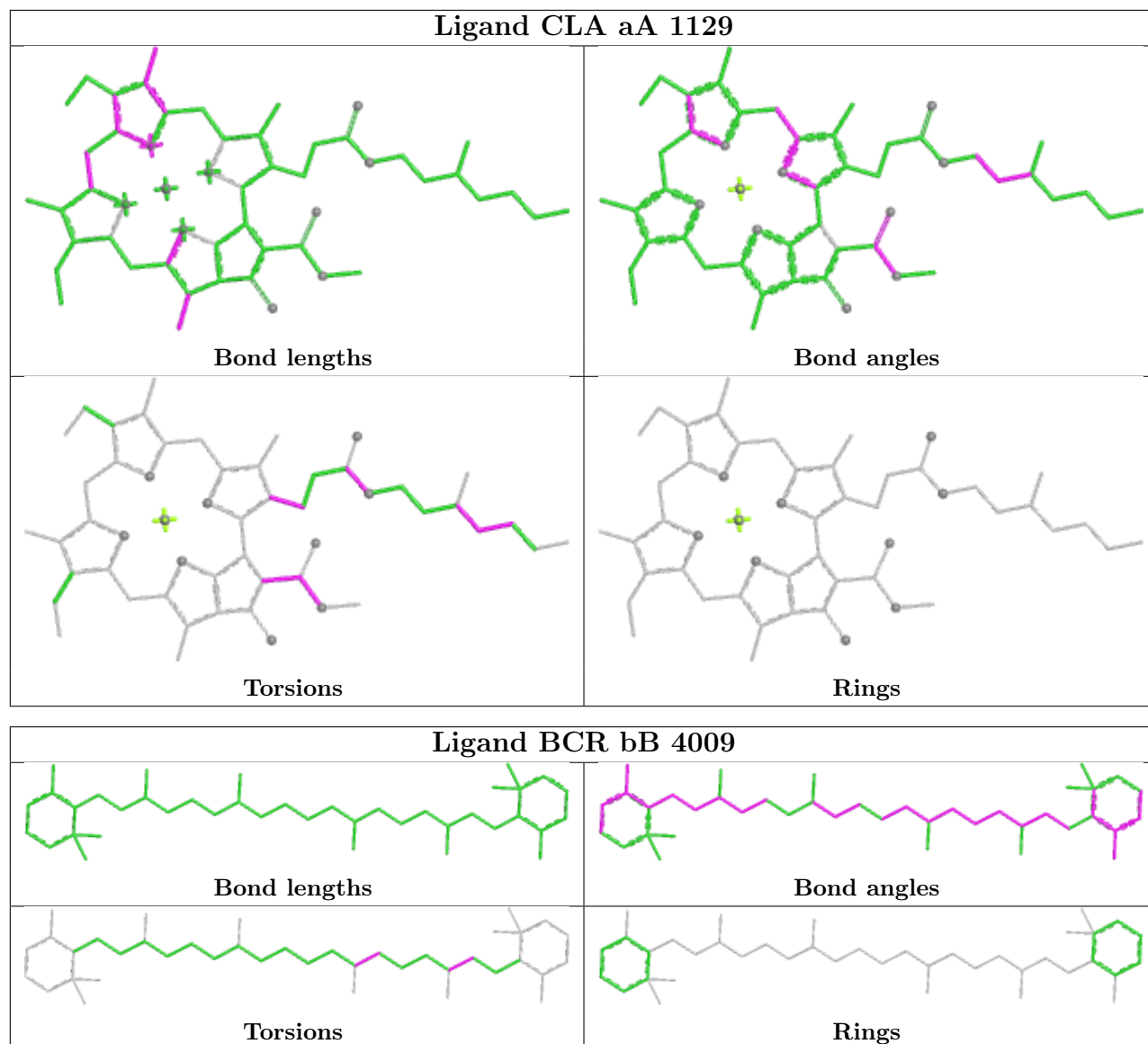
Ligand CLA b2 512



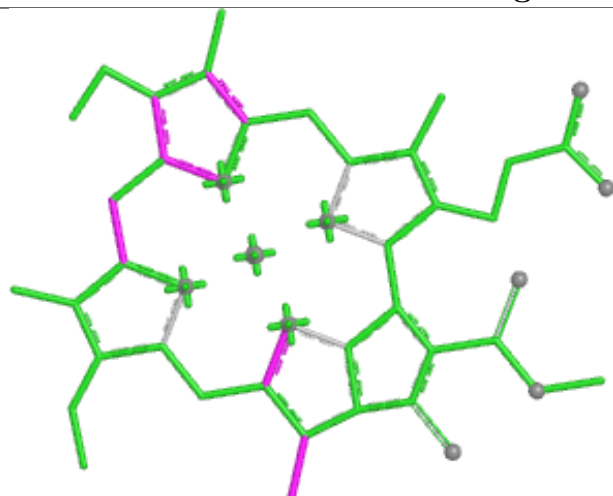
Ligand BCR U 523



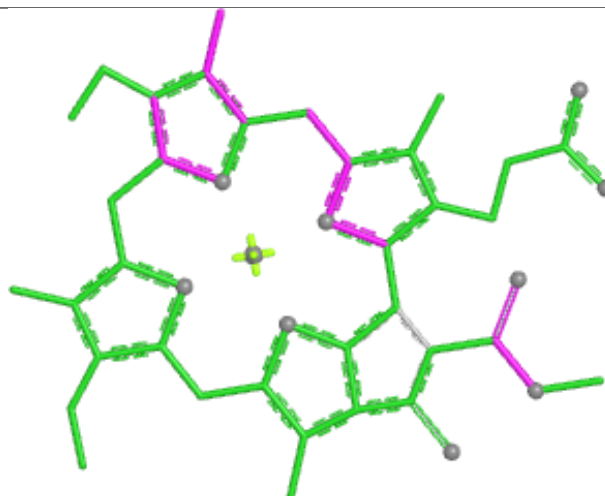




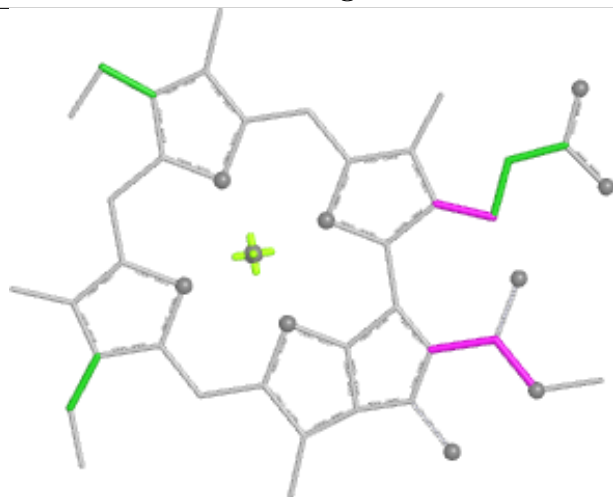
Ligand CLA X 516



Bond lengths



Bond angles

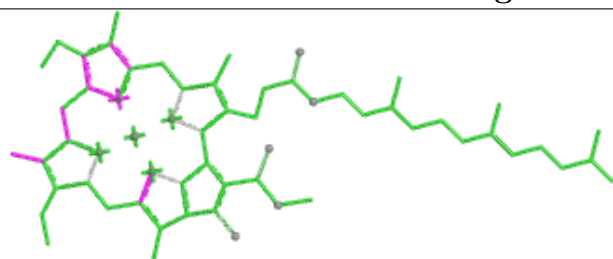


Torsions

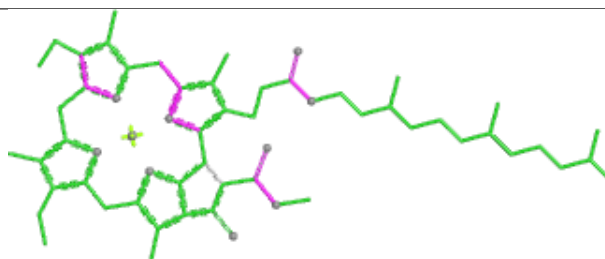


Rings

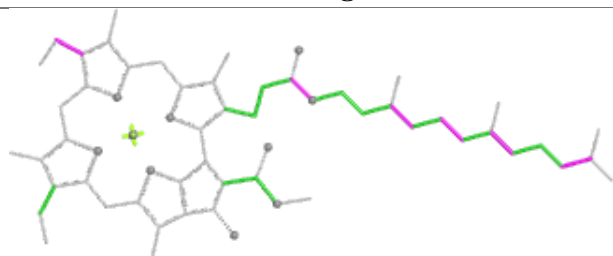
Ligand CLA bA 1122



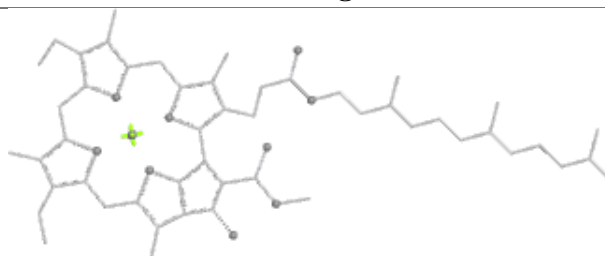
Bond lengths



Bond angles

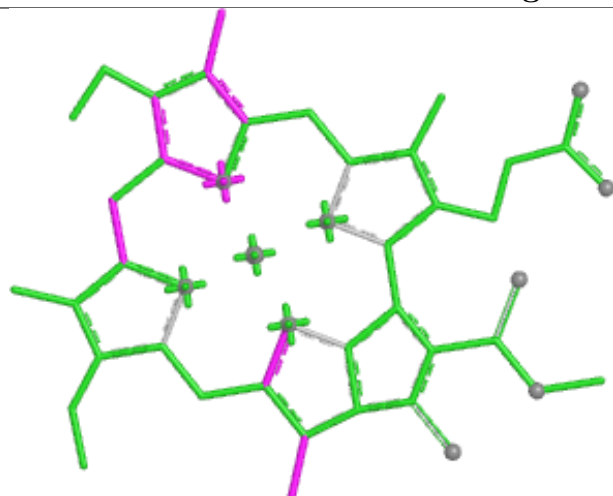


Torsions



Rings

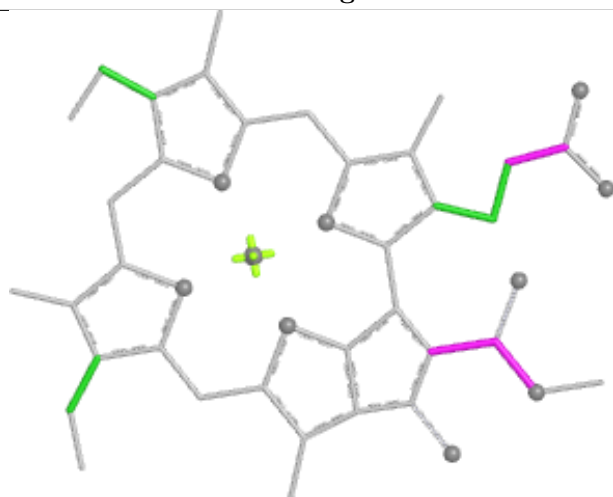
Ligand CLA 1 511



Bond lengths



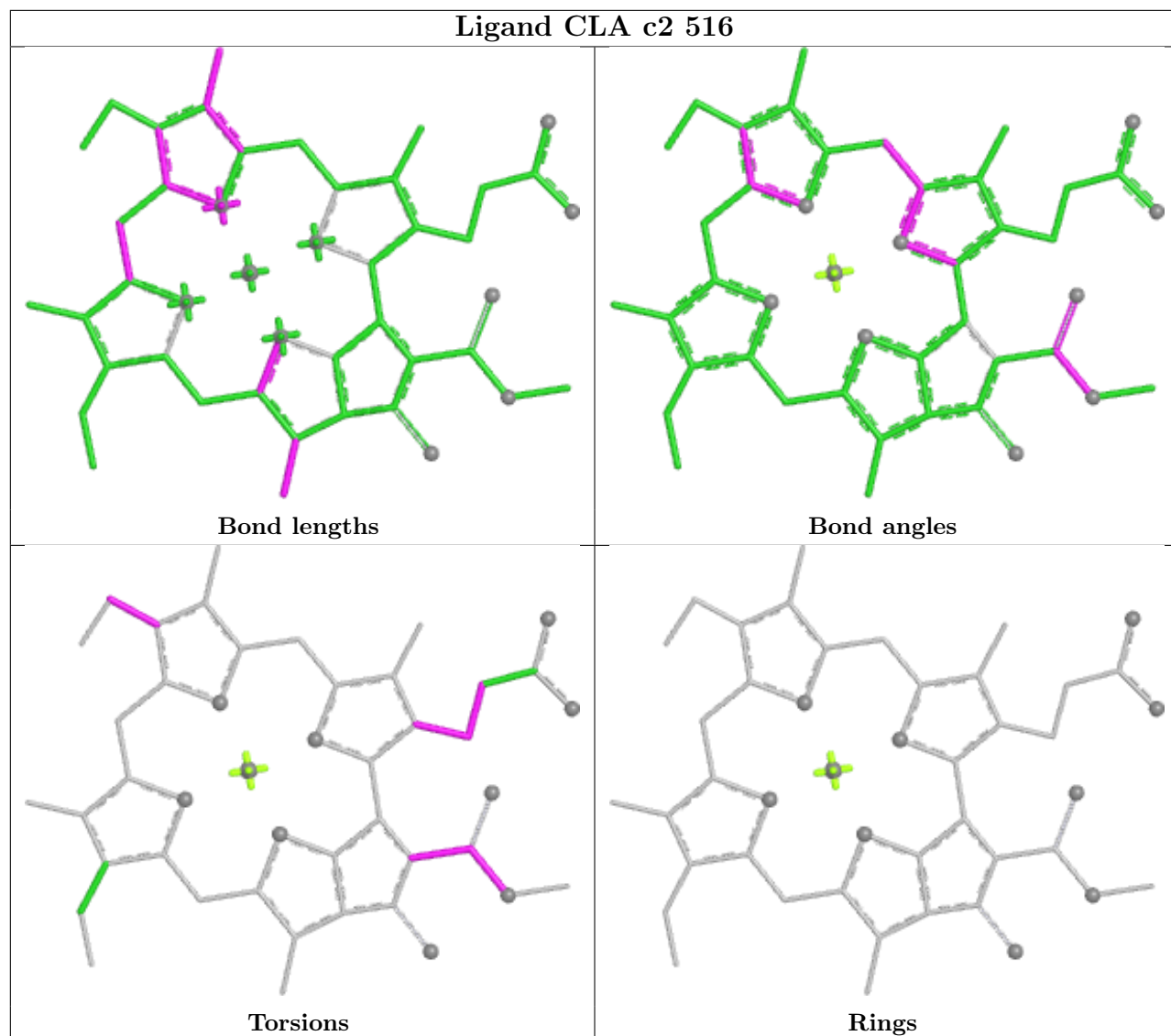
Bond angles

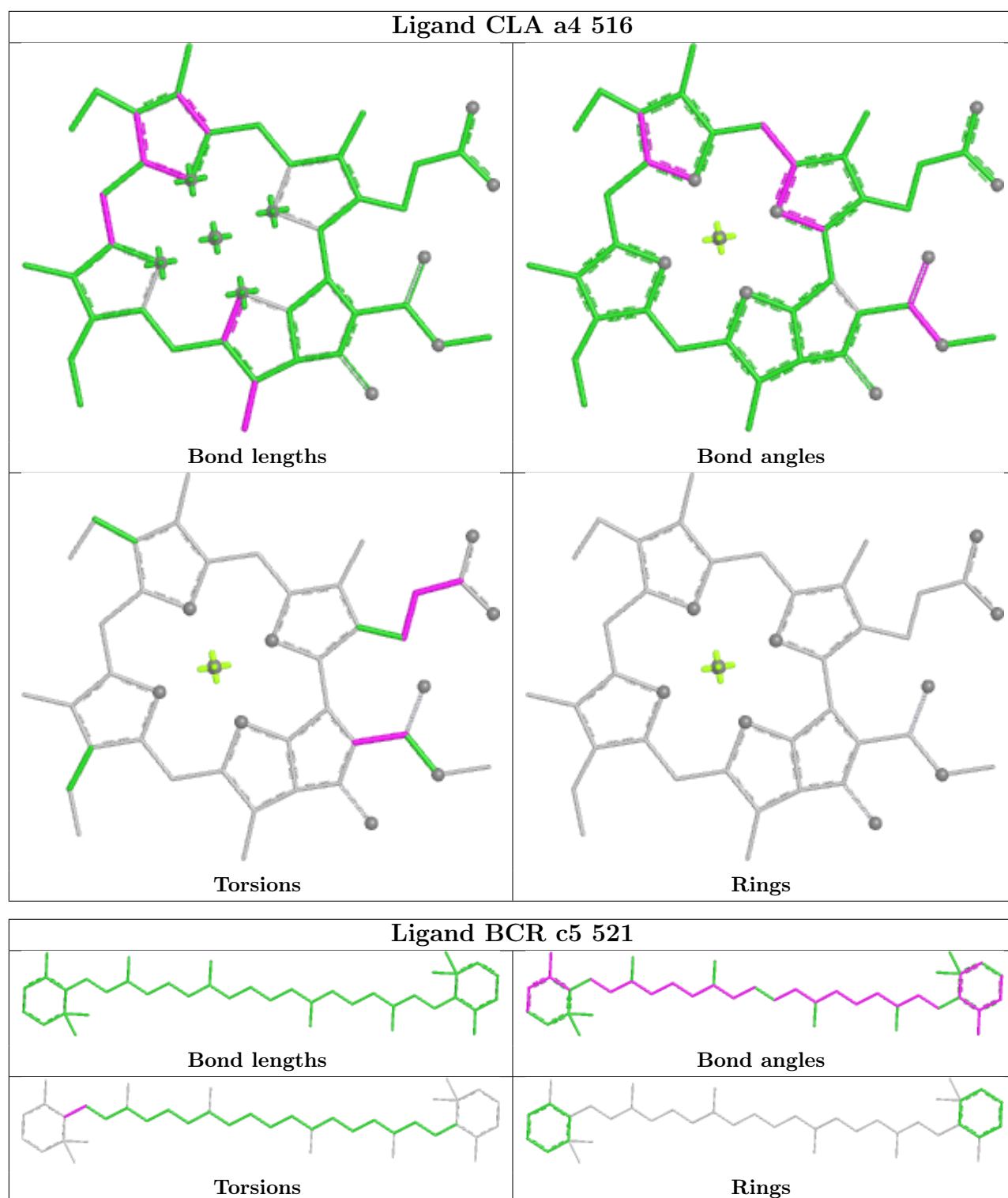


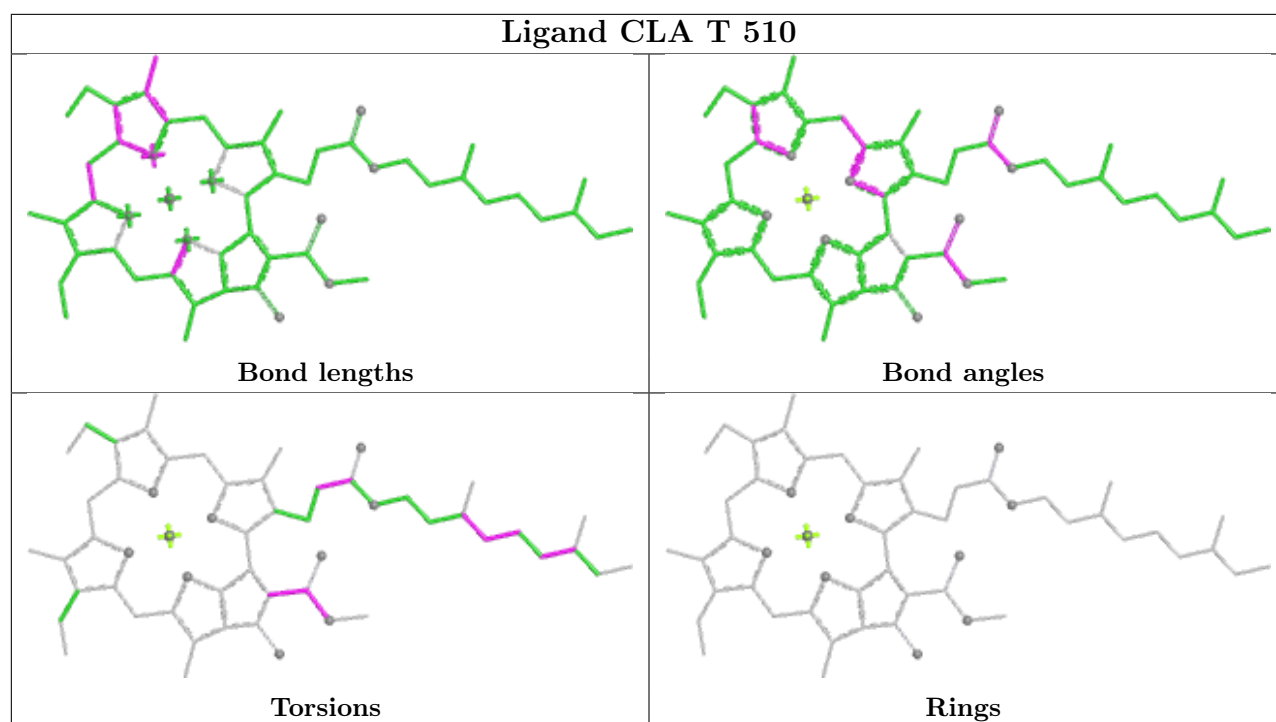
Torsions



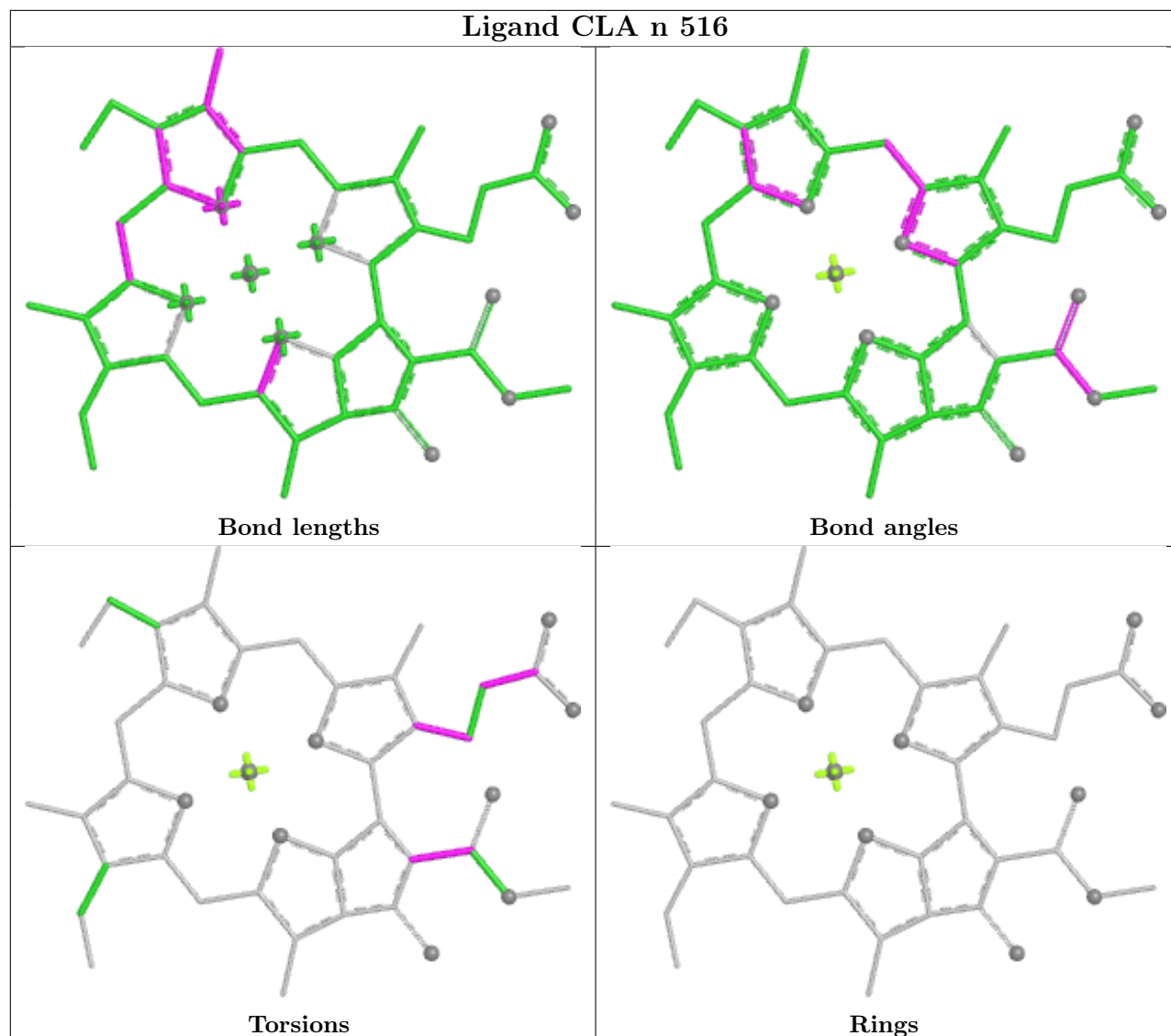
Rings



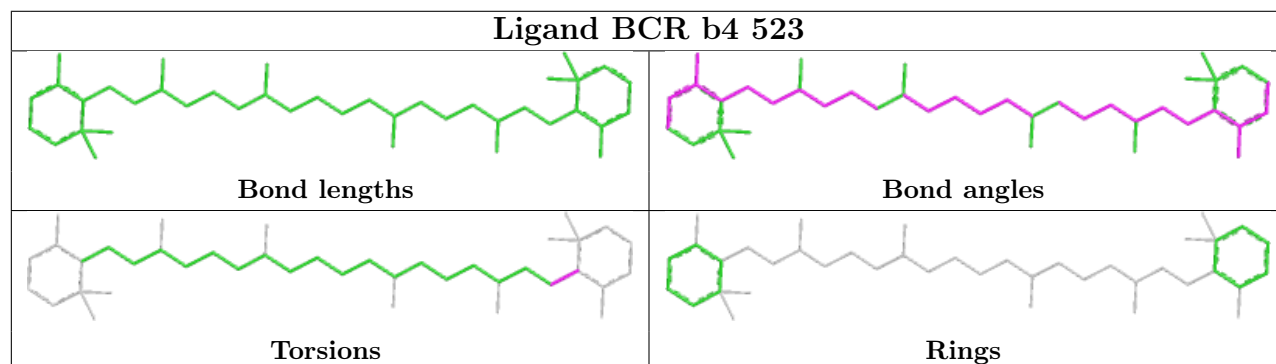




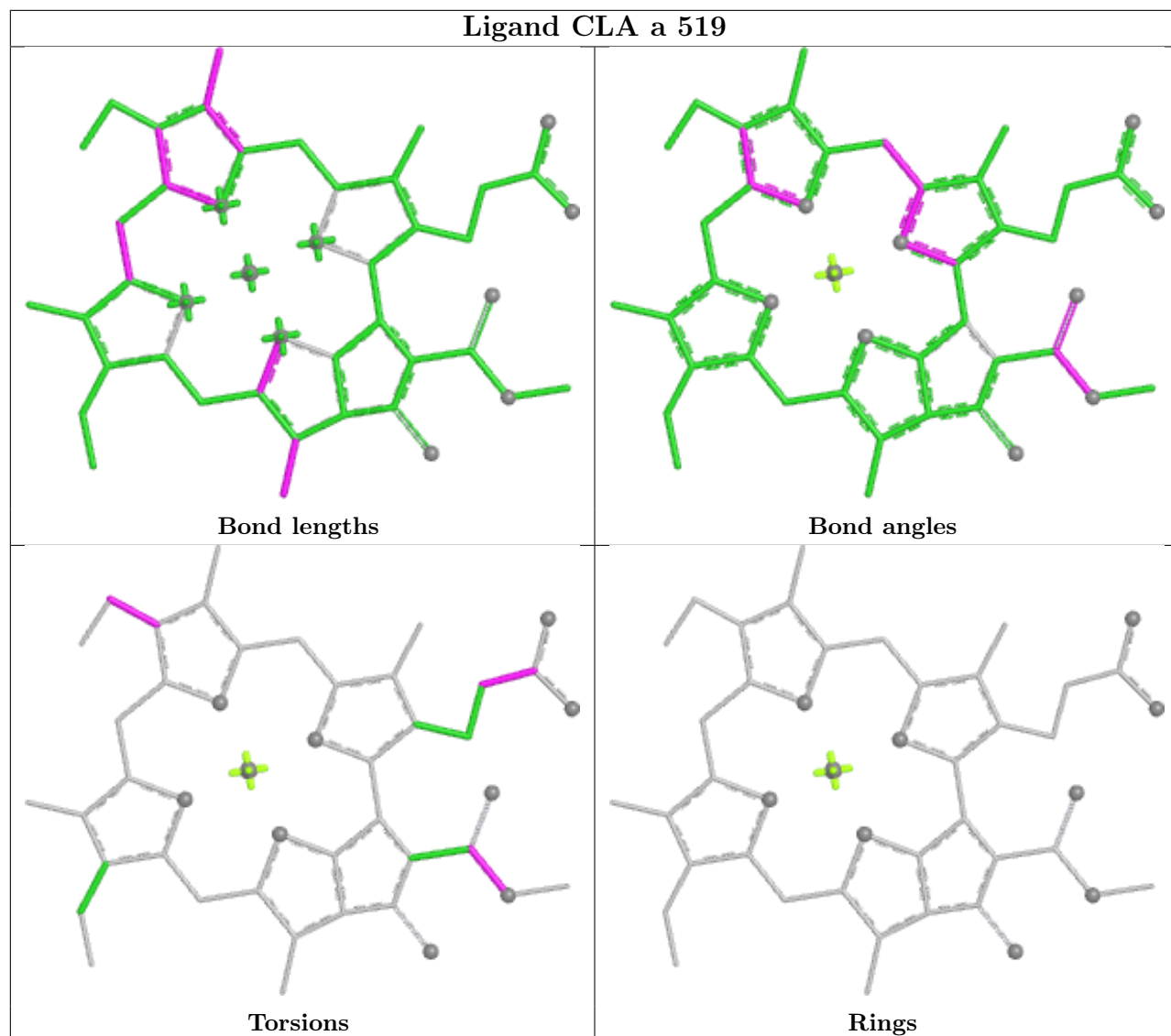
Ligand CLA n 516



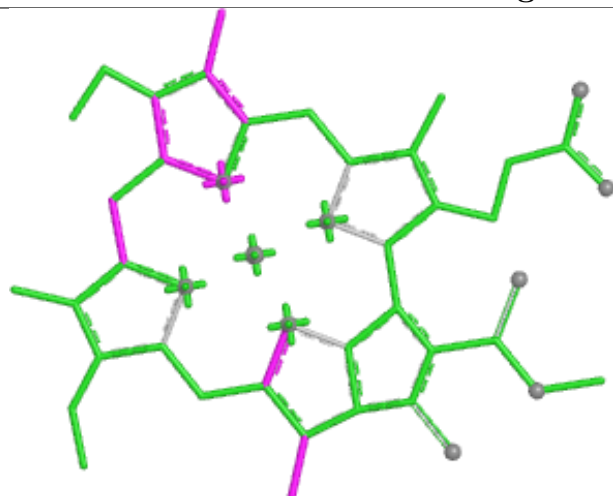
Ligand BCR b4 523



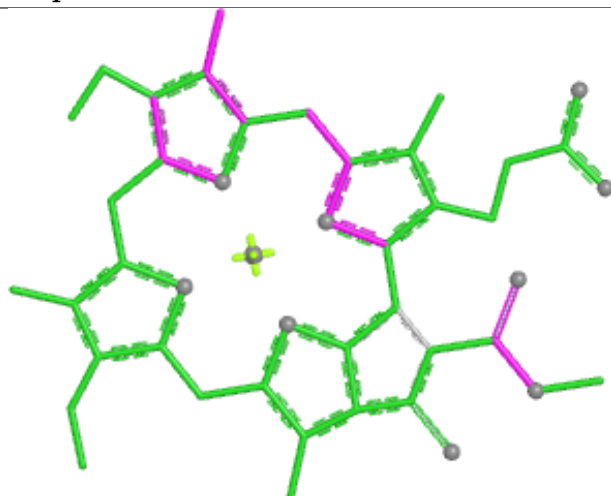
Ligand CLA a 519



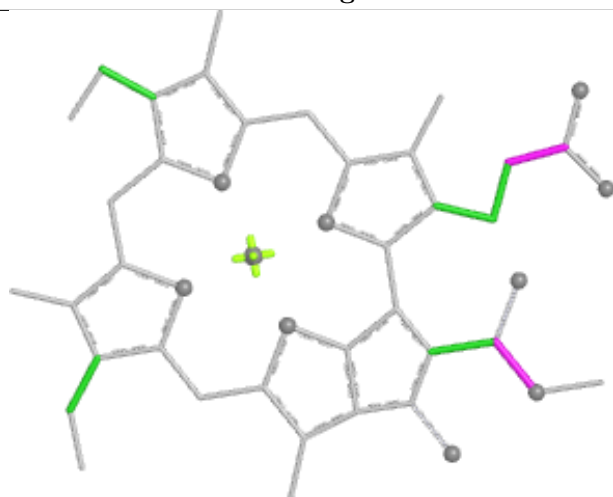
Ligand CLA p 506



Bond lengths



Bond angles

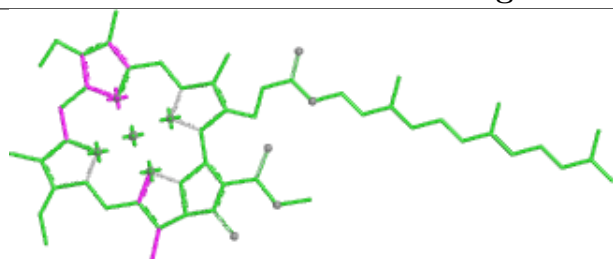


Torsions

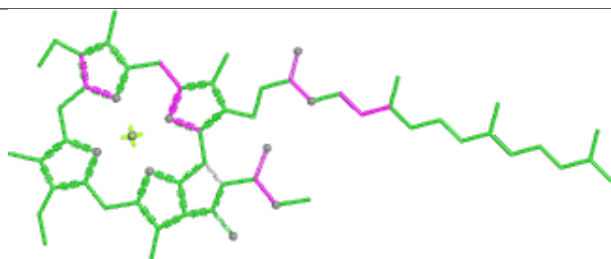


Rings

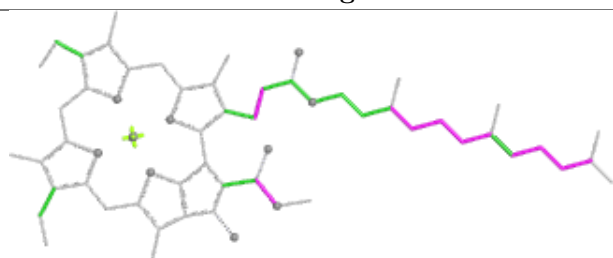
Ligand CLA aA 1115



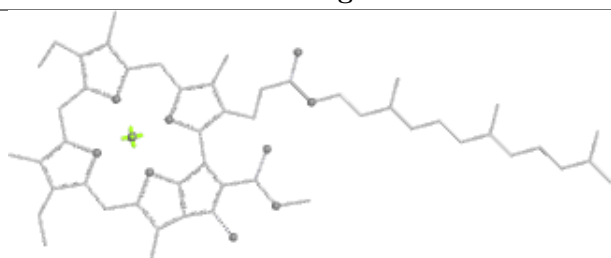
Bond lengths



Bond angles

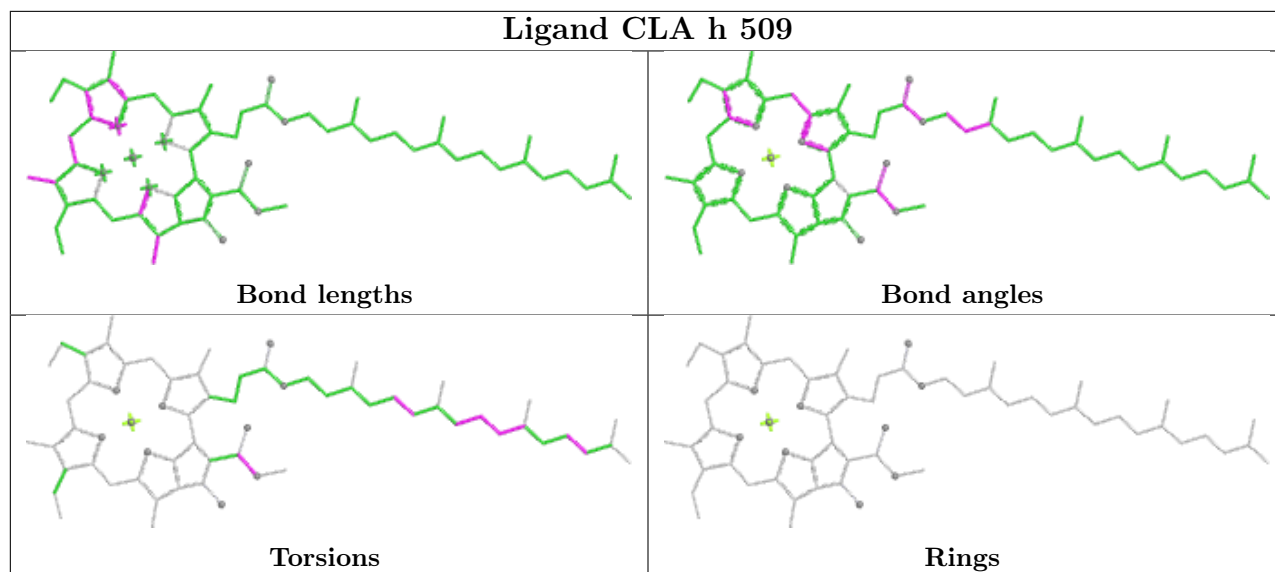


Torsions

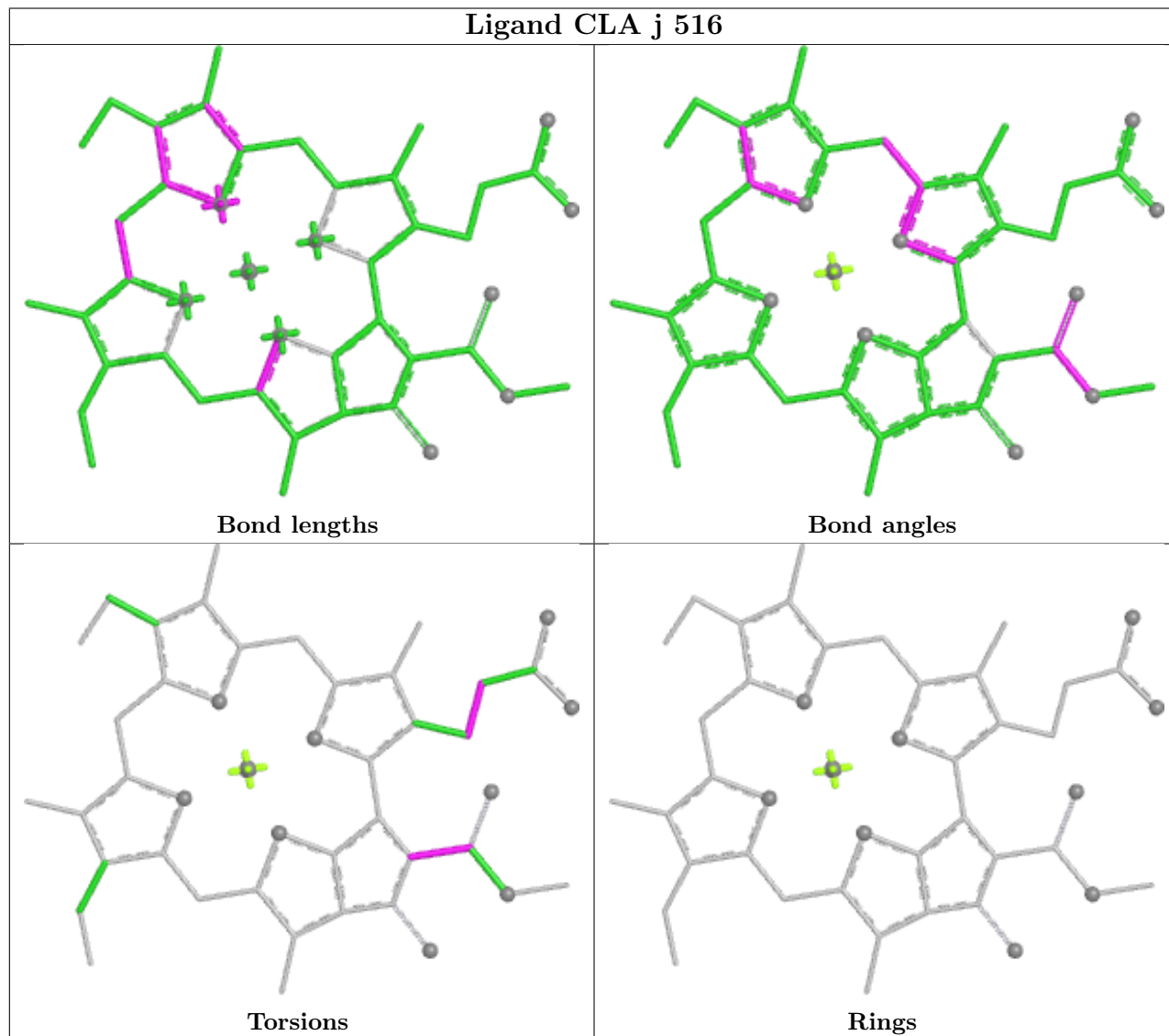


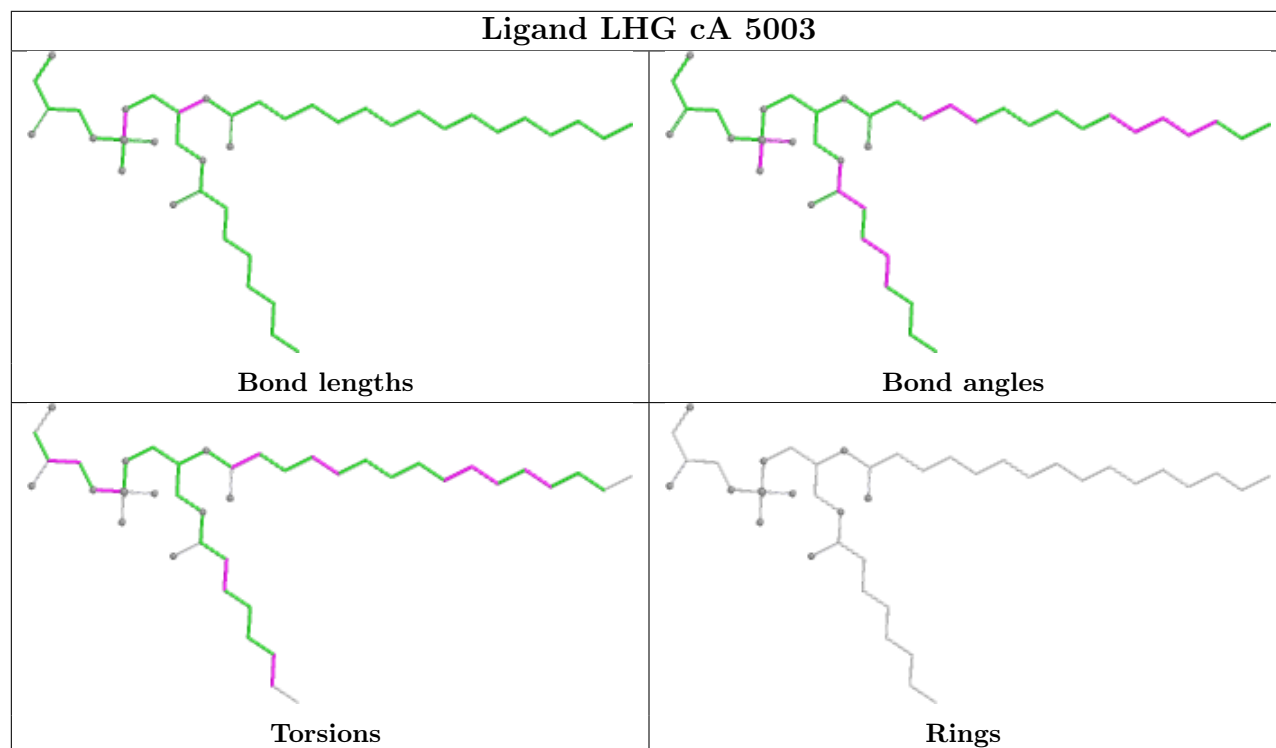
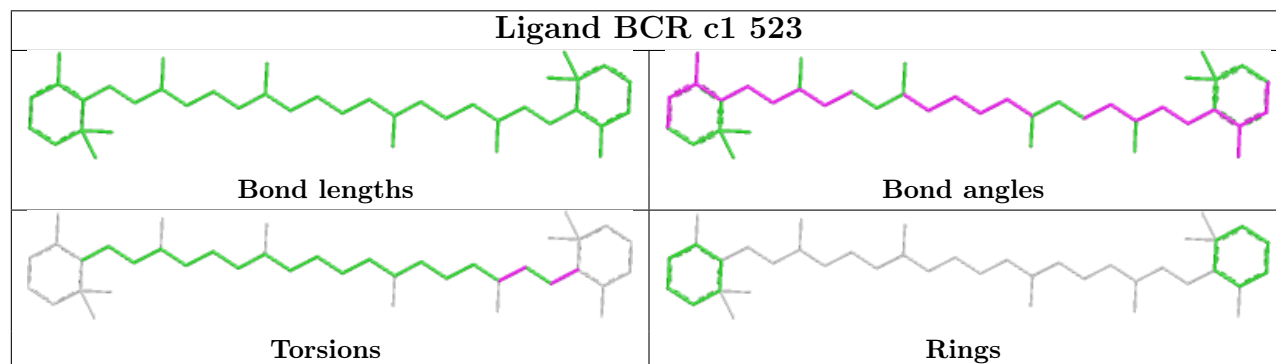
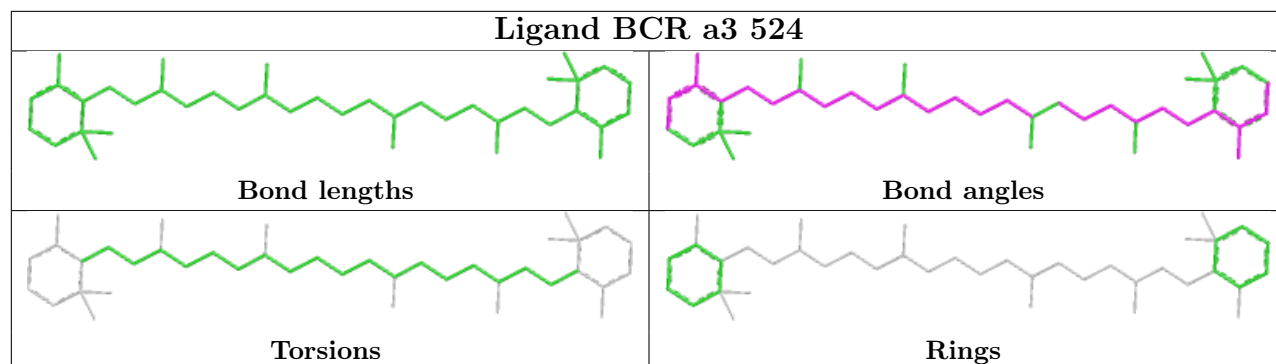
Rings

Ligand CLA h 509

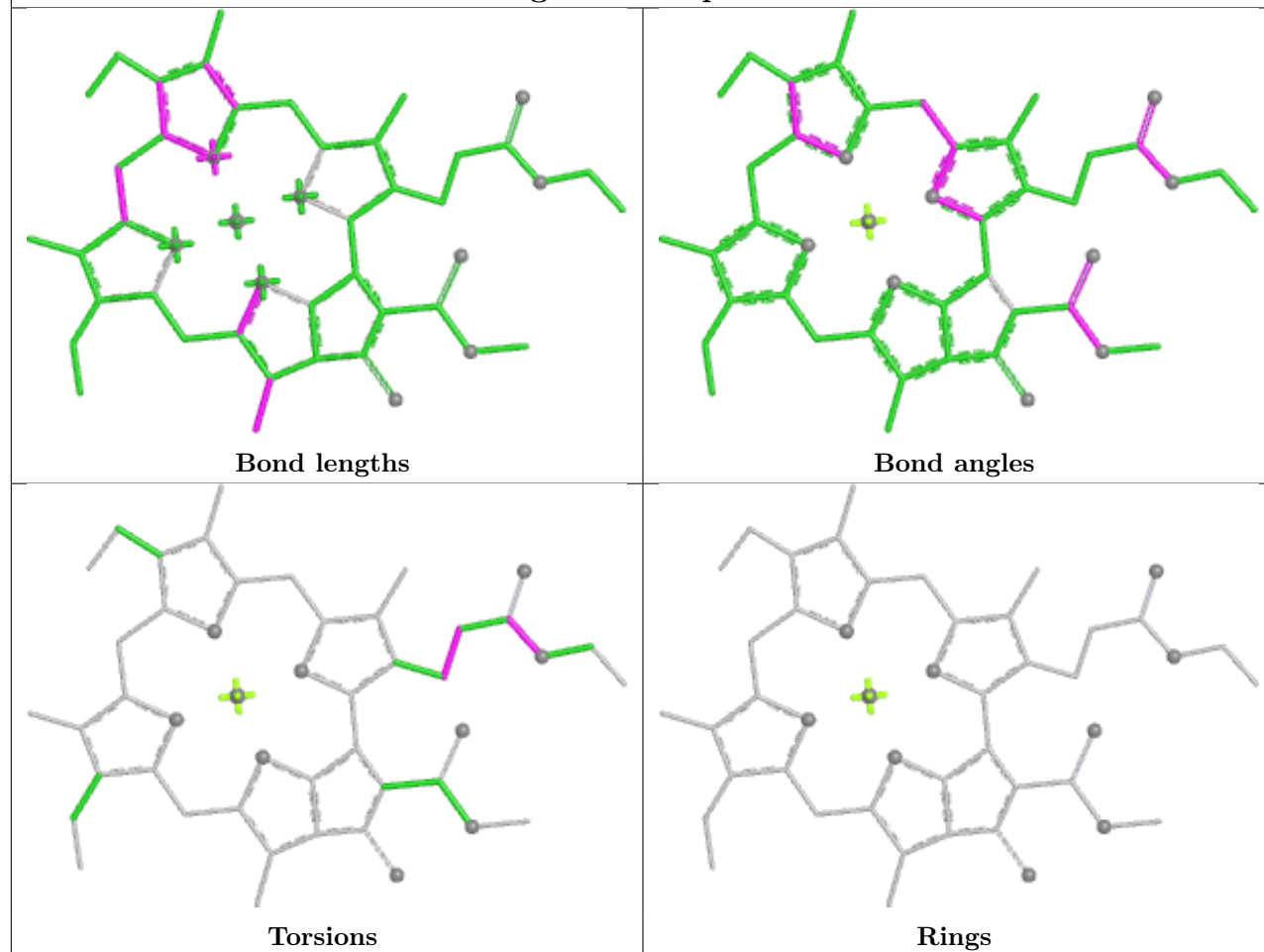


Ligand CLA j 516

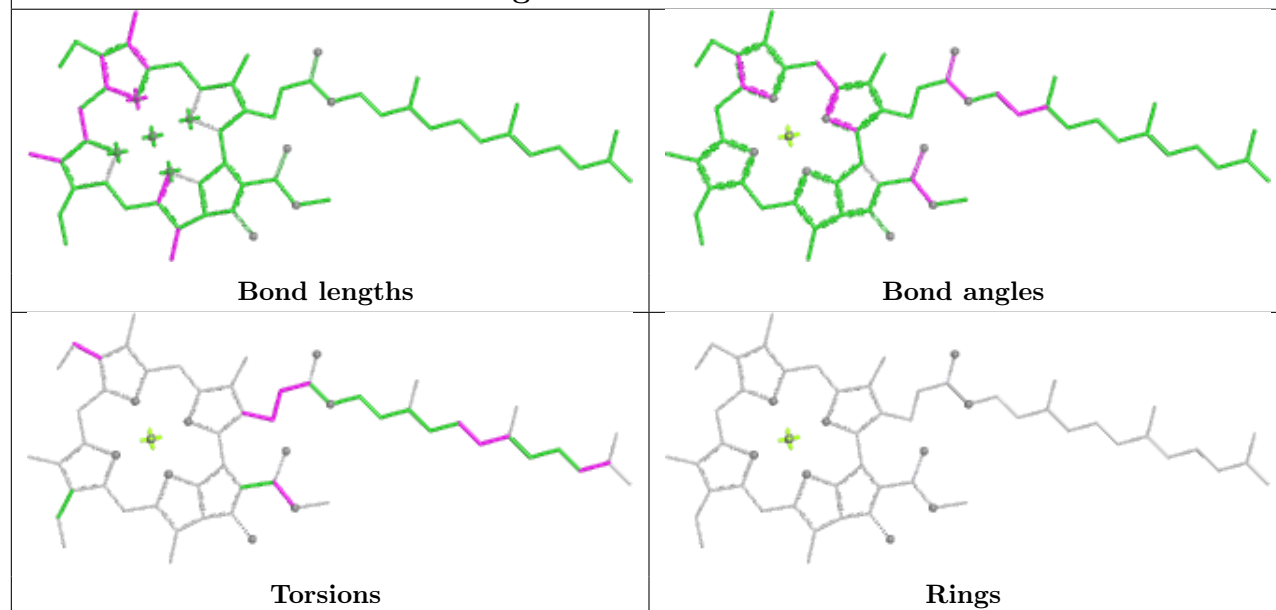




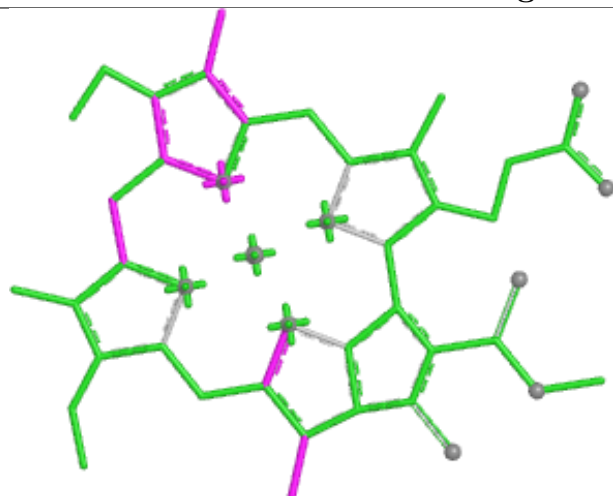
Ligand CLA p 505



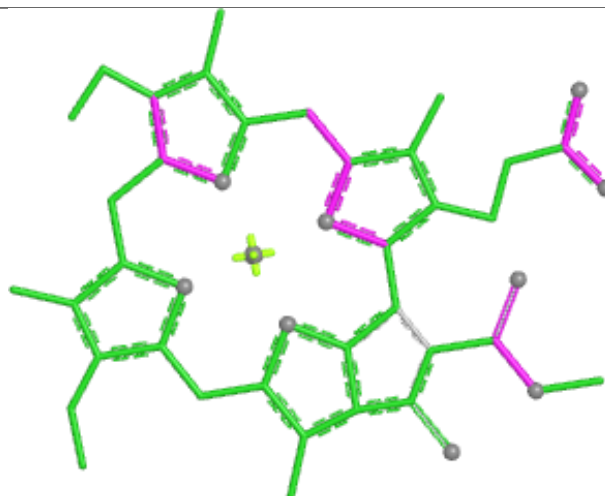
Ligand CLA ba 1116



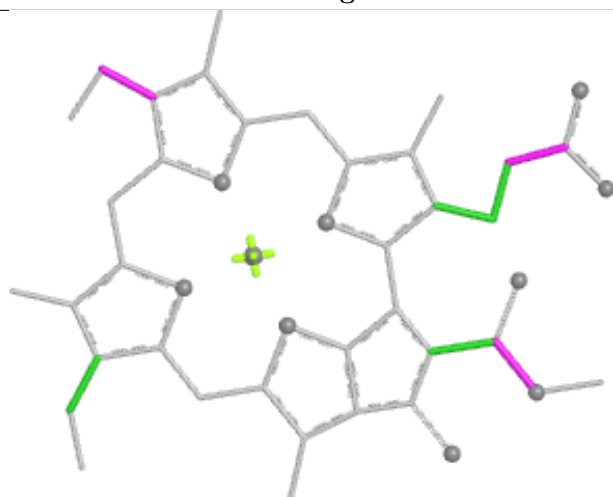
Ligand CLA b 517



Bond lengths



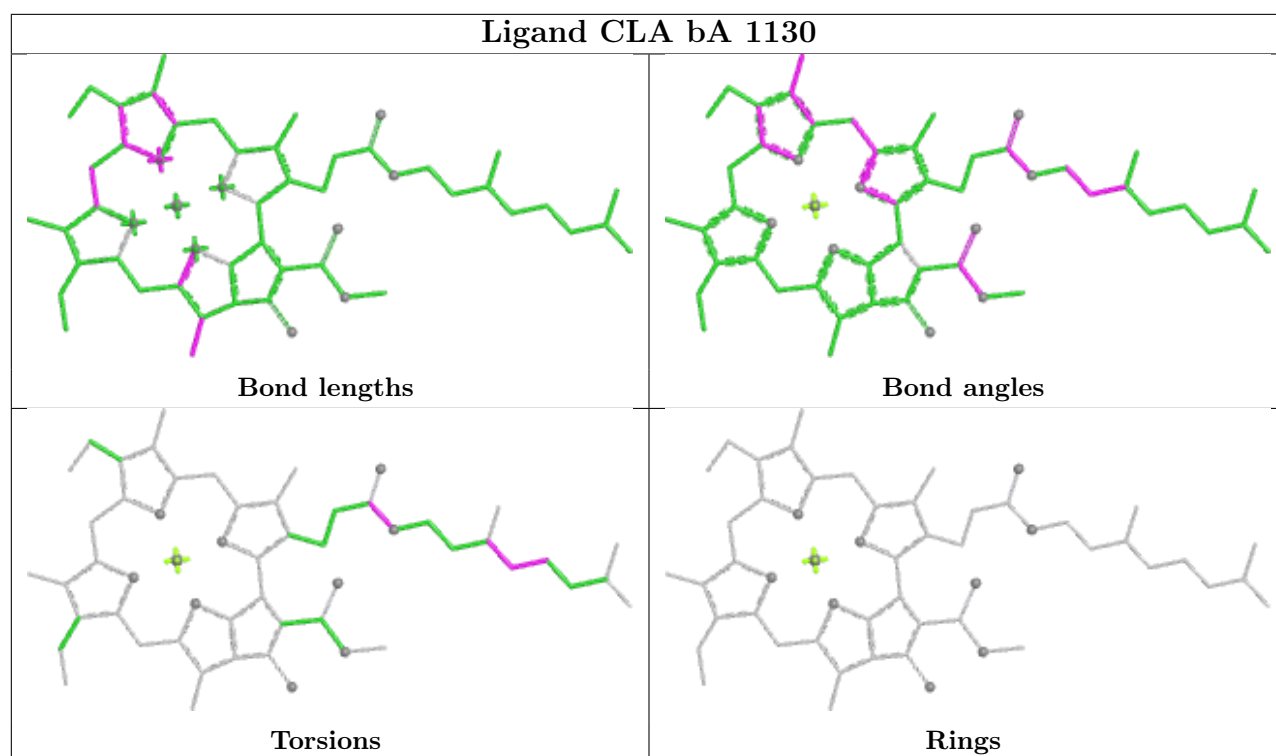
Bond angles



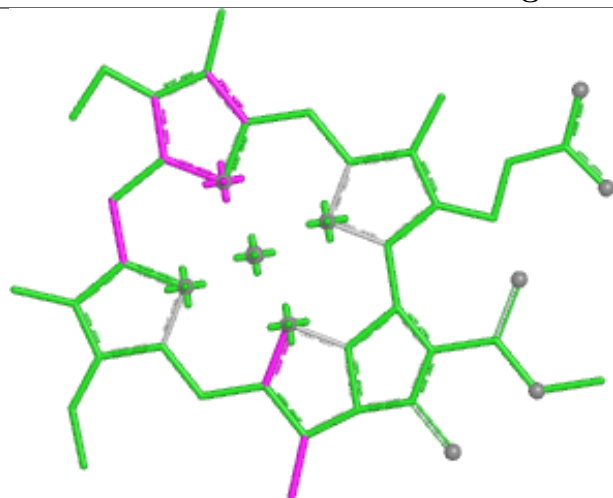
Torsions



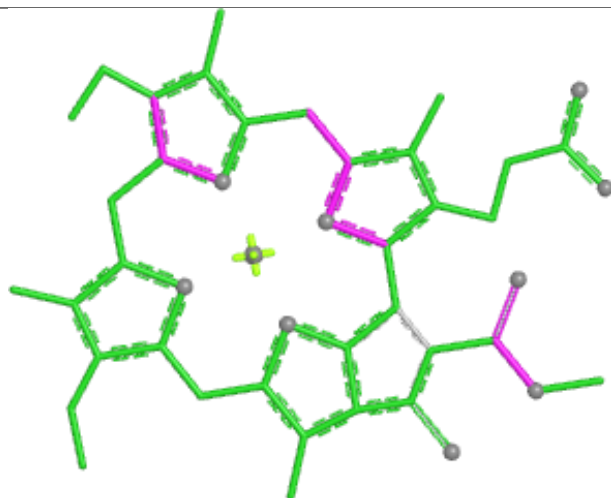
Rings



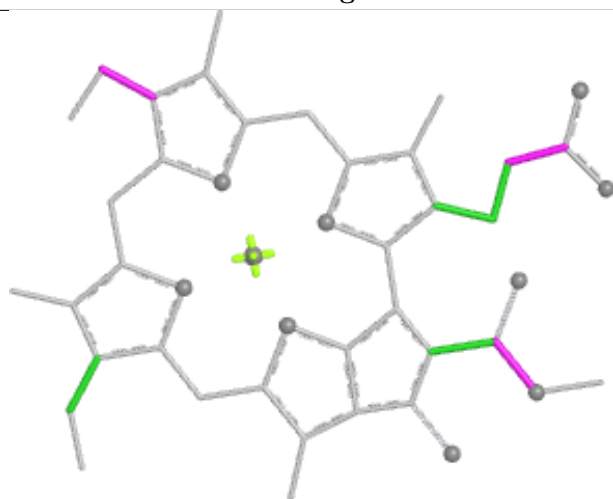
Ligand CLA f 517



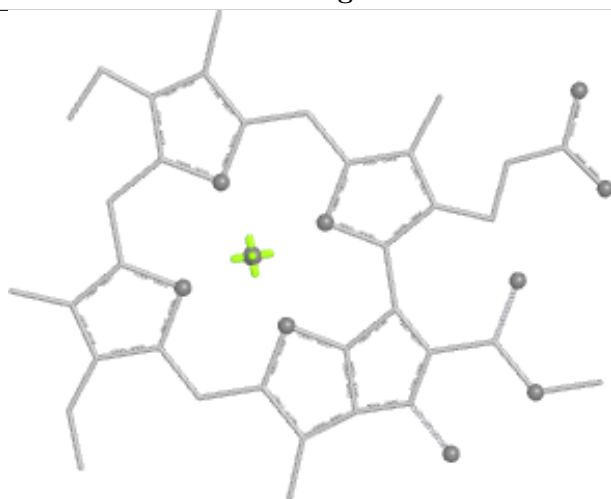
Bond lengths



Bond angles

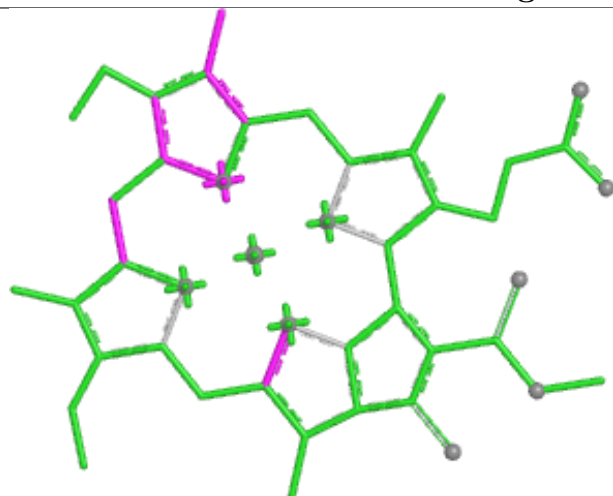


Torsions

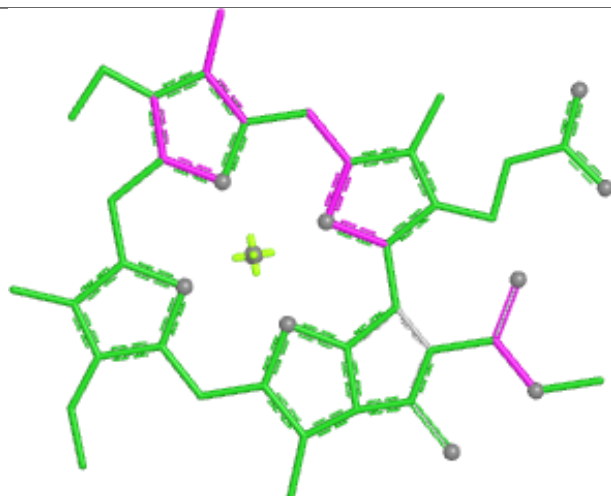


Rings

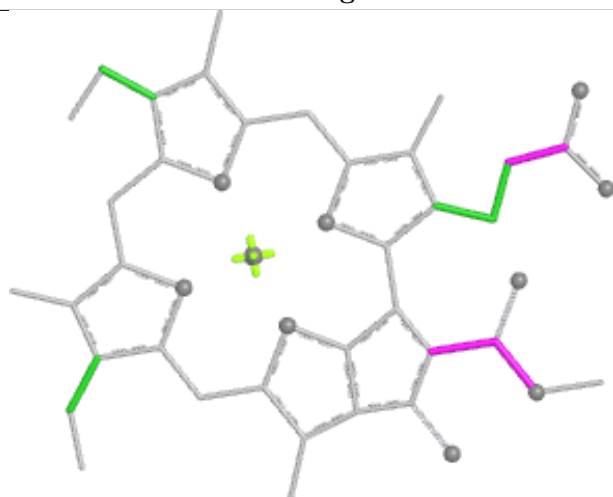
Ligand CLA k 510



Bond lengths



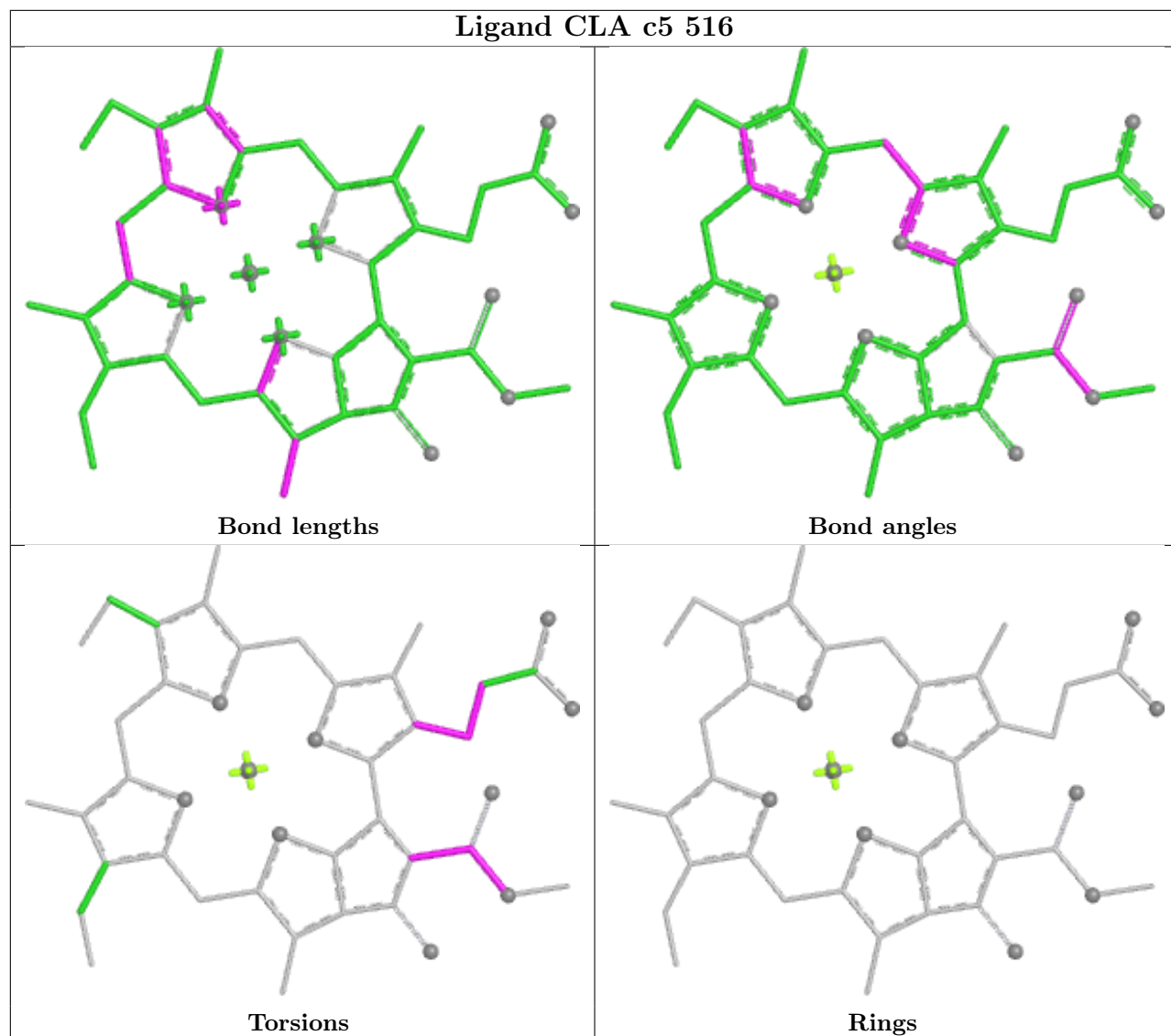
Bond angles



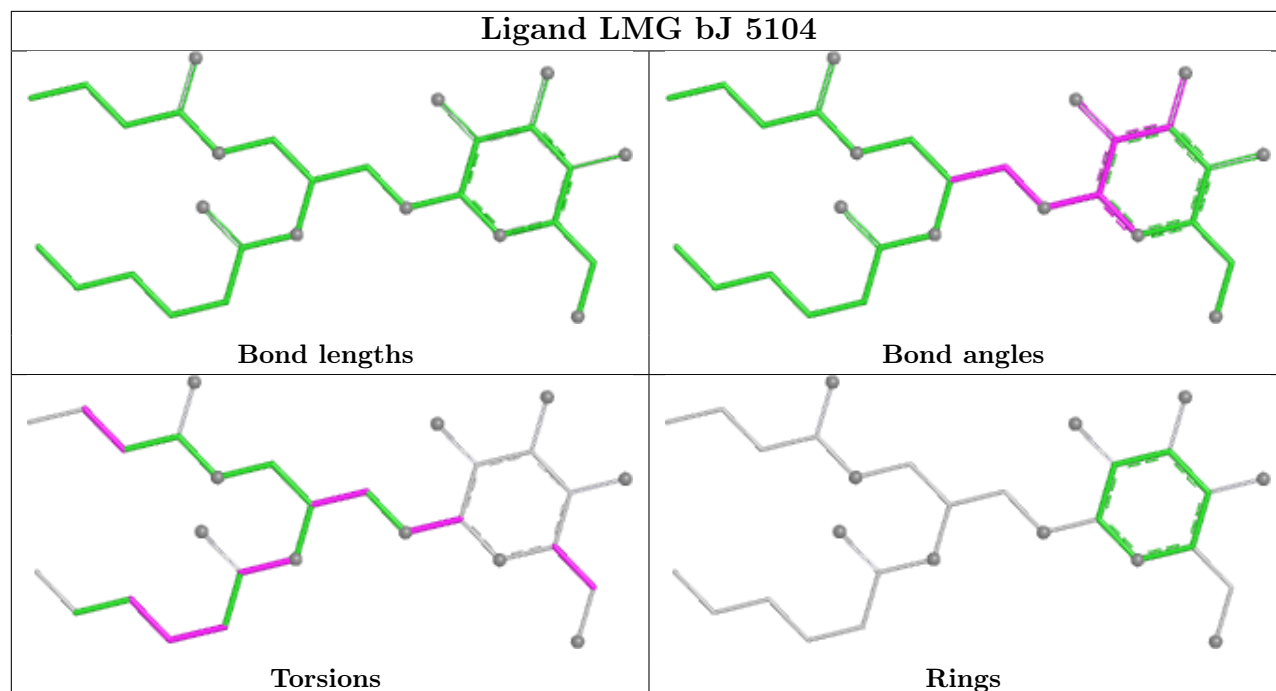
Torsions



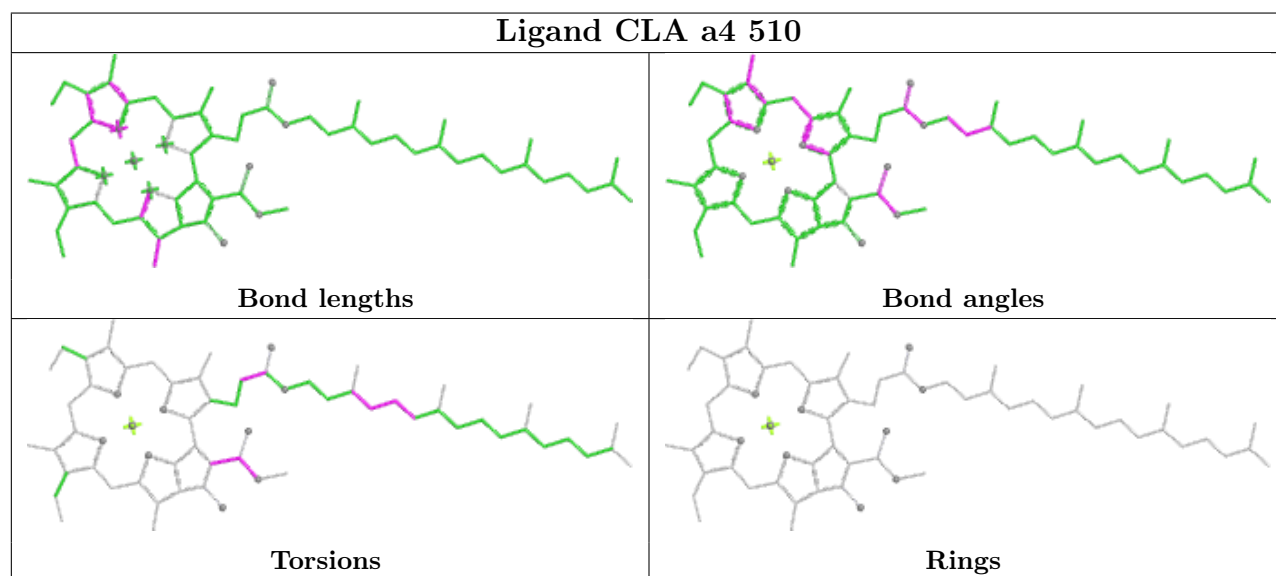
Rings

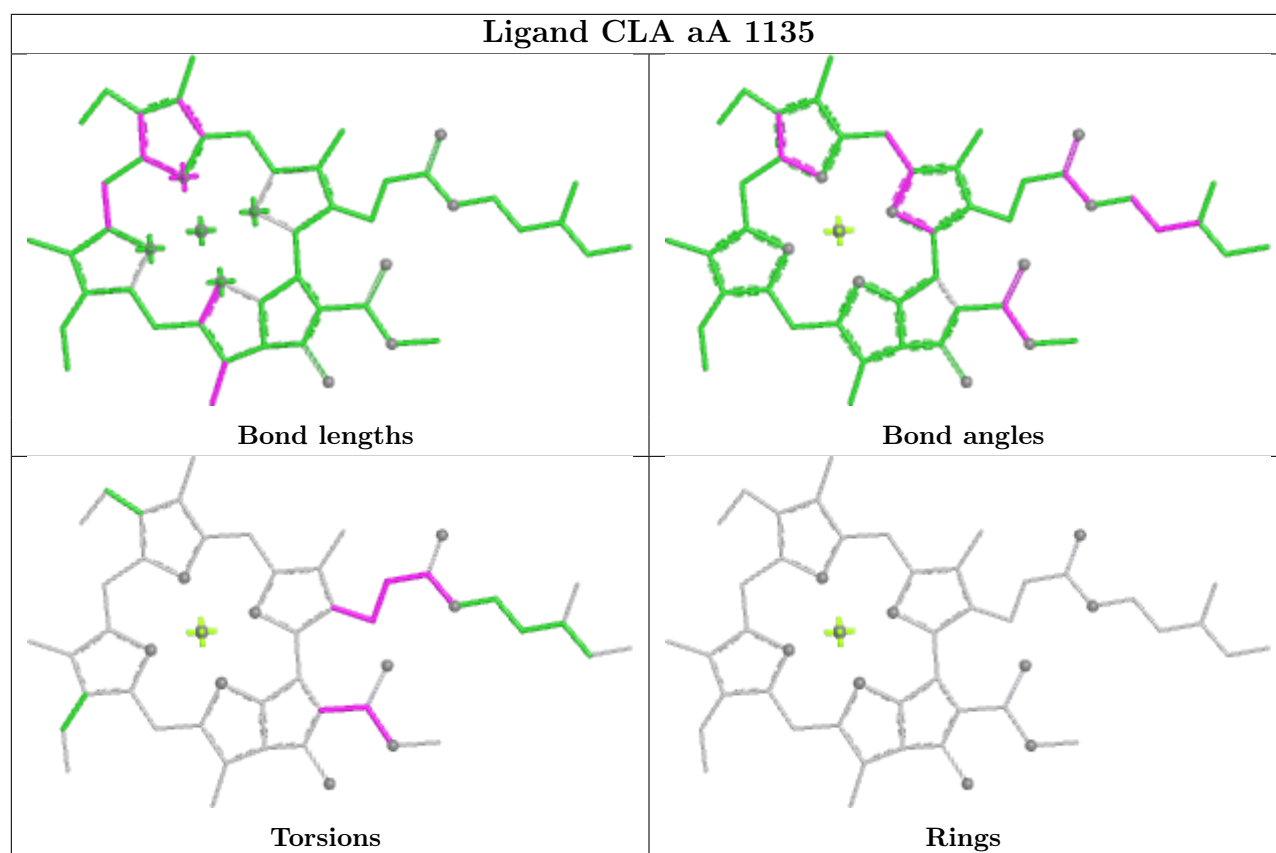


Ligand LMG bJ 5104

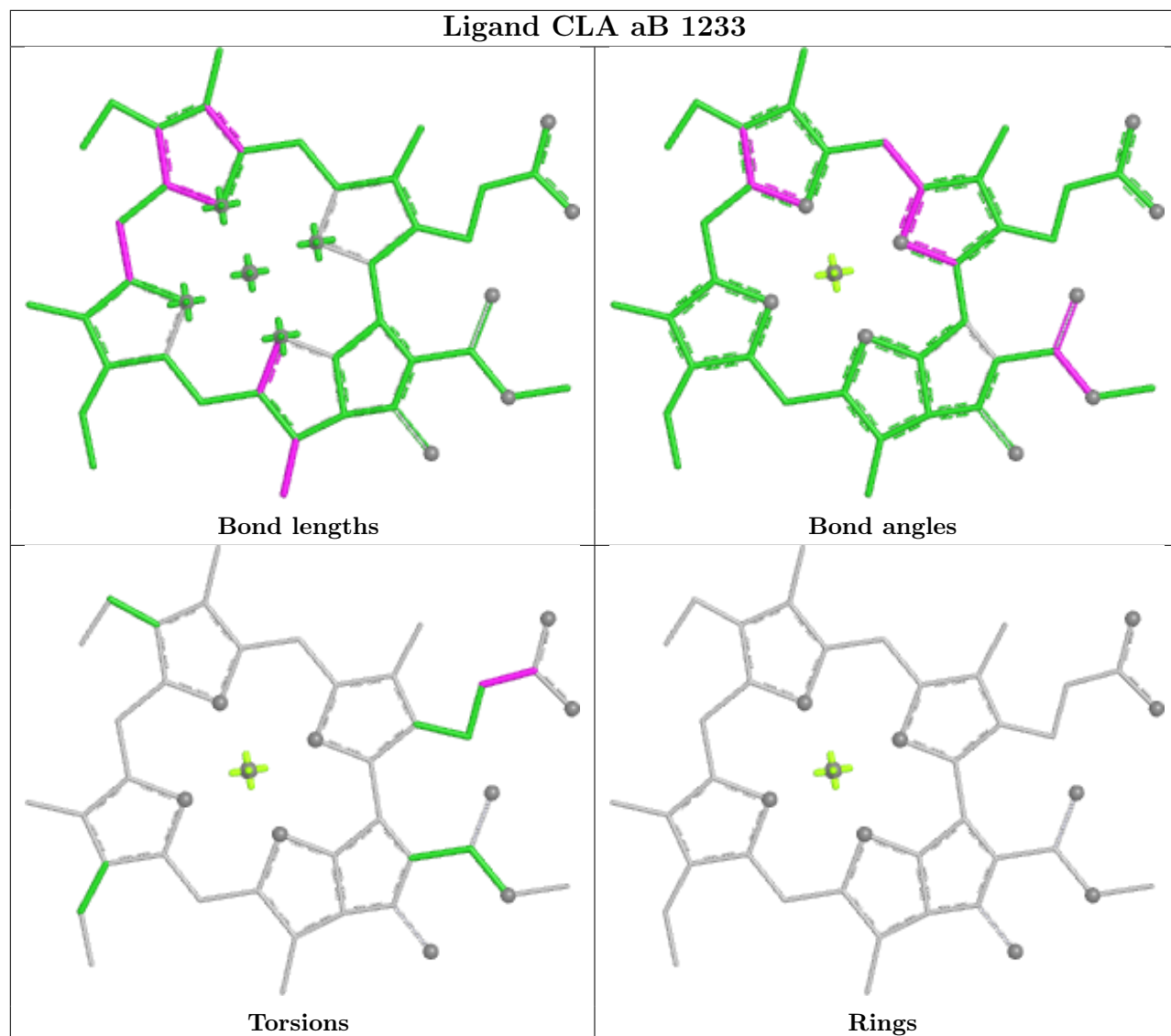


Ligand CLA a4 510

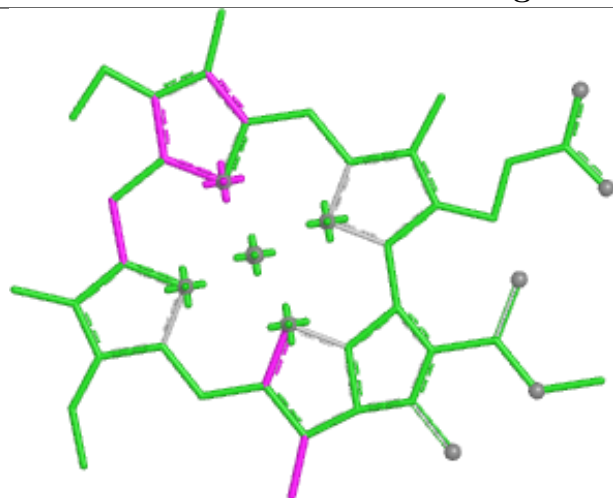




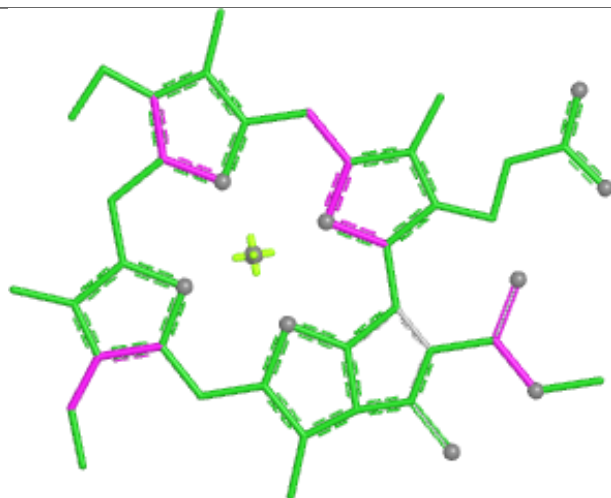
Ligand CLA aB 1233



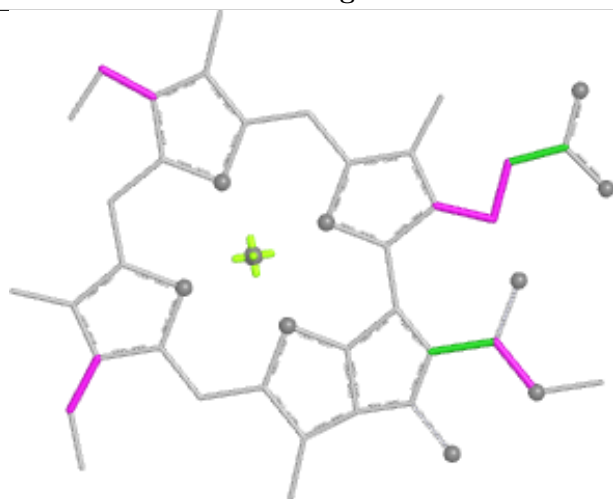
Ligand CLA U 516



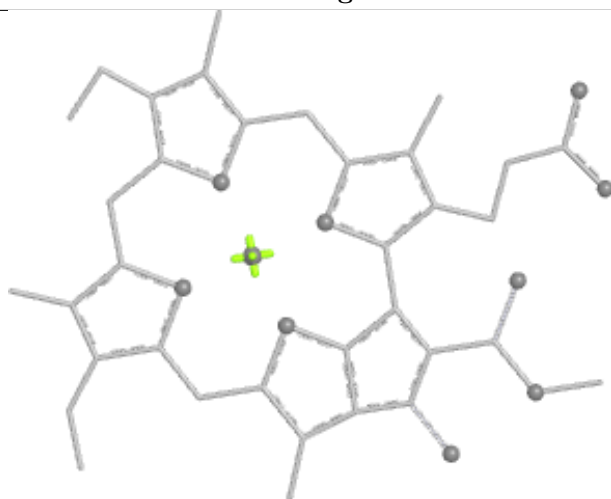
Bond lengths



Bond angles

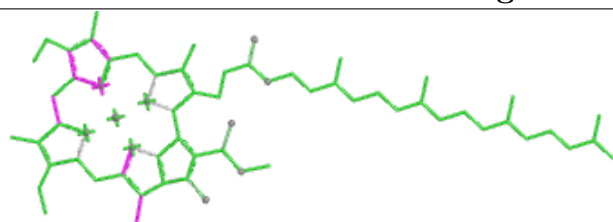


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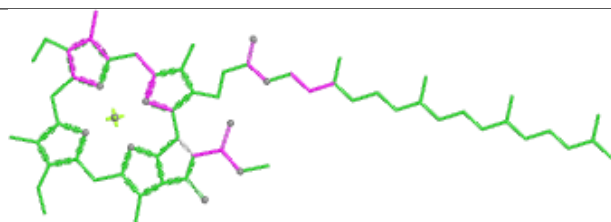


Rings

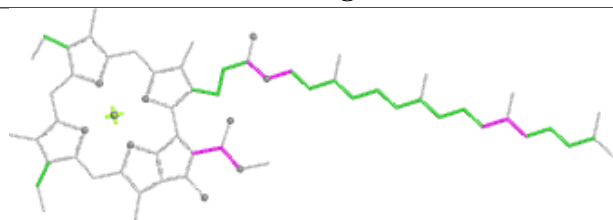
Ligand CLA aB 1211



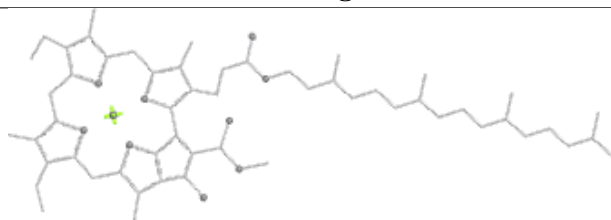
Bond lengths



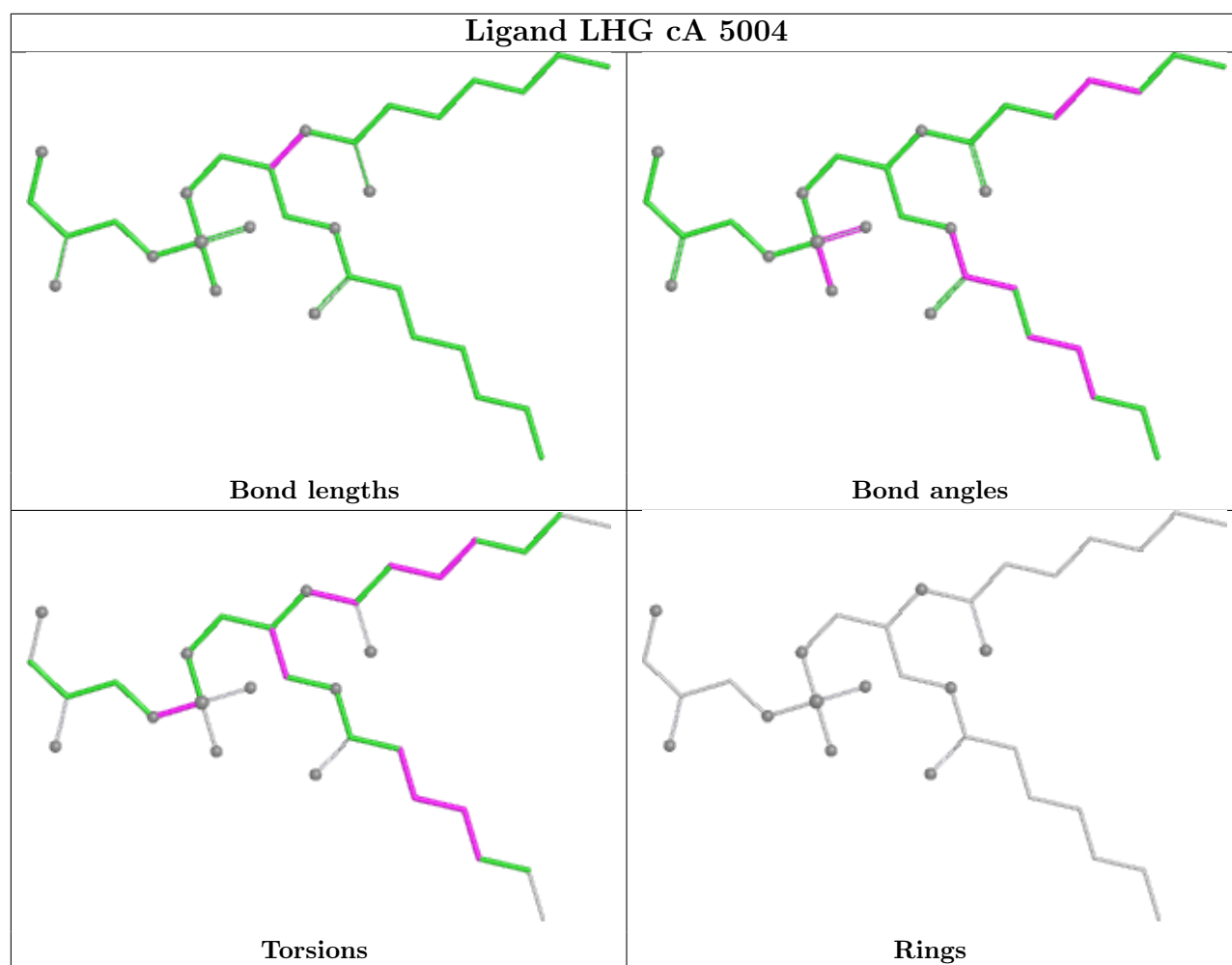
Bond angles

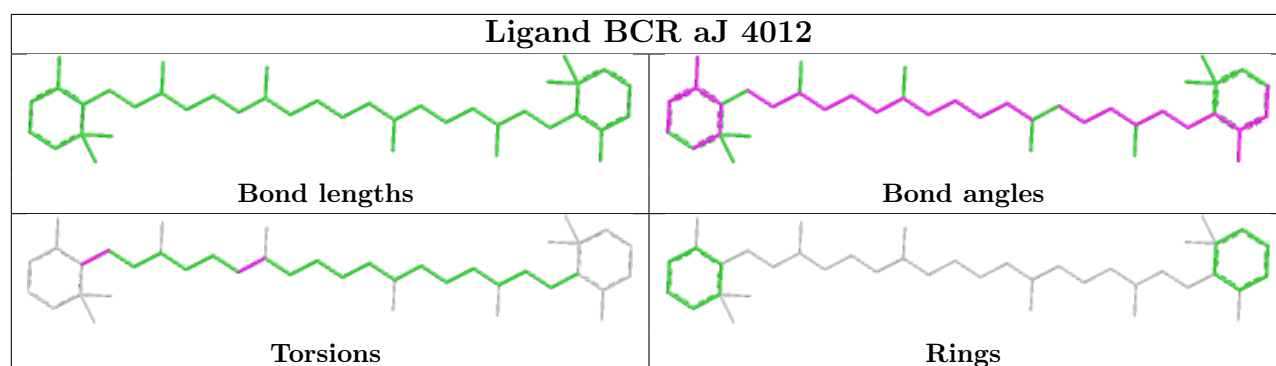
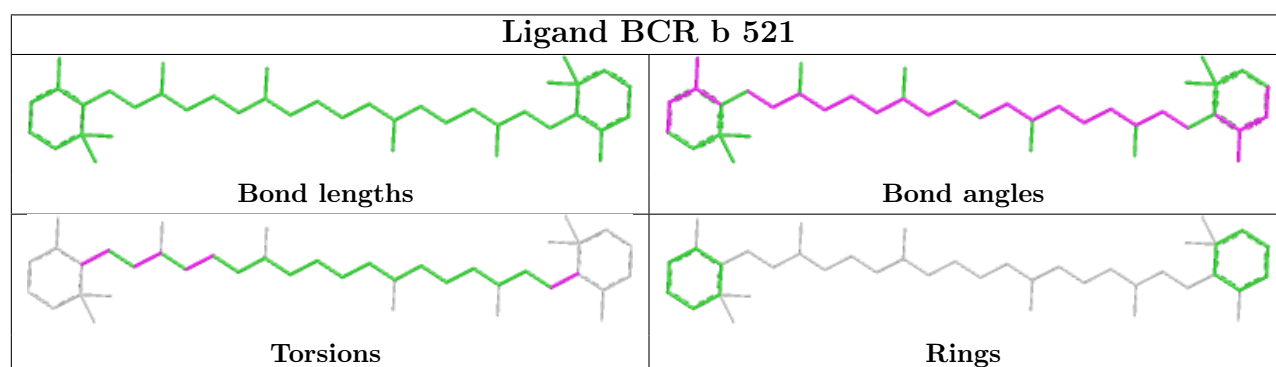
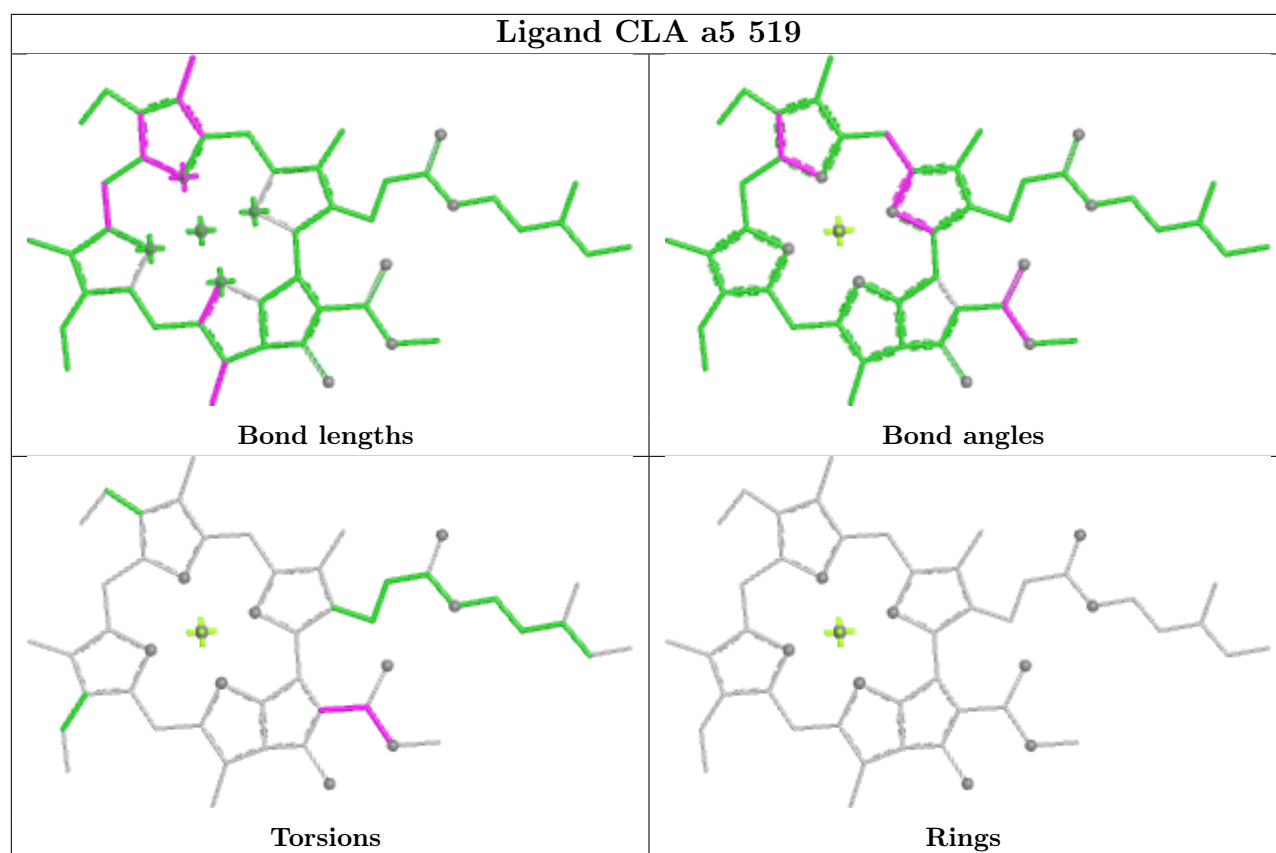


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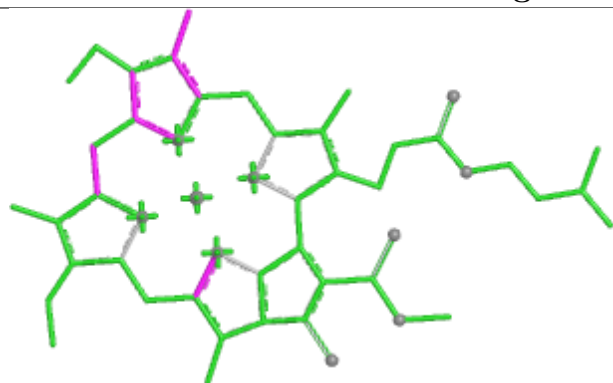


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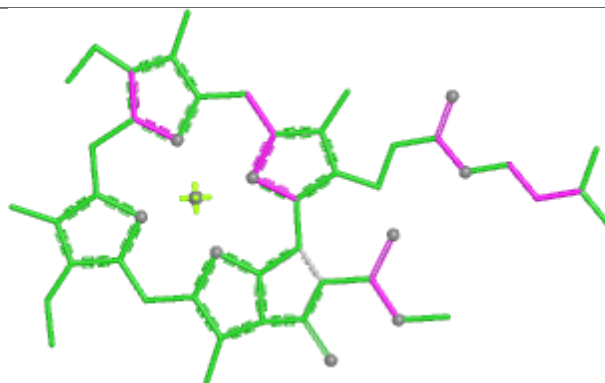




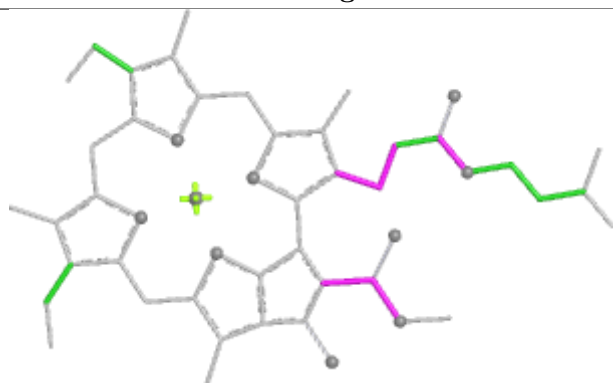
Ligand CLA U 504



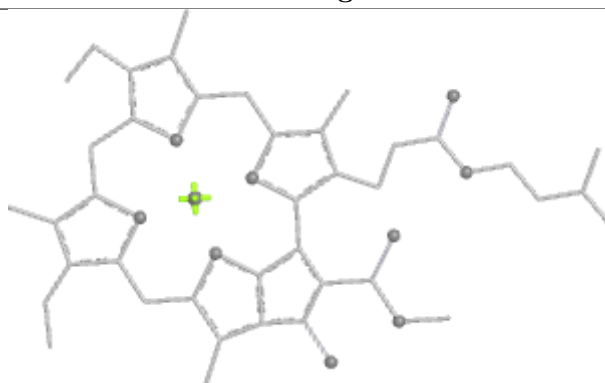
Bond lengths



Bond angles

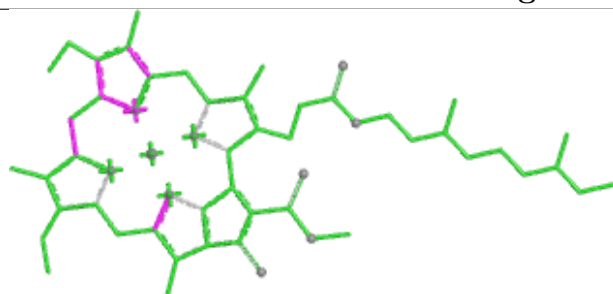


Torsions

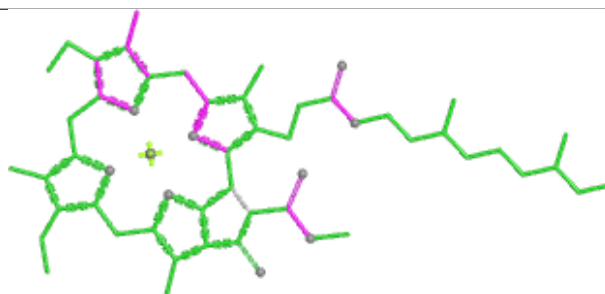


Rings

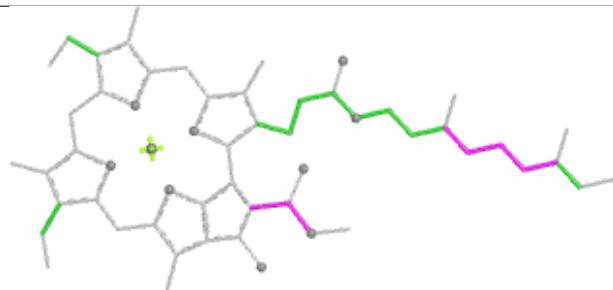
Ligand CLA o 510



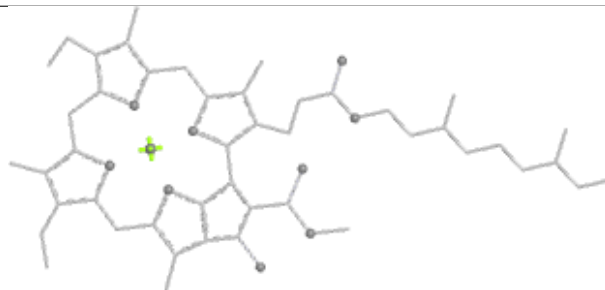
Bond lengths



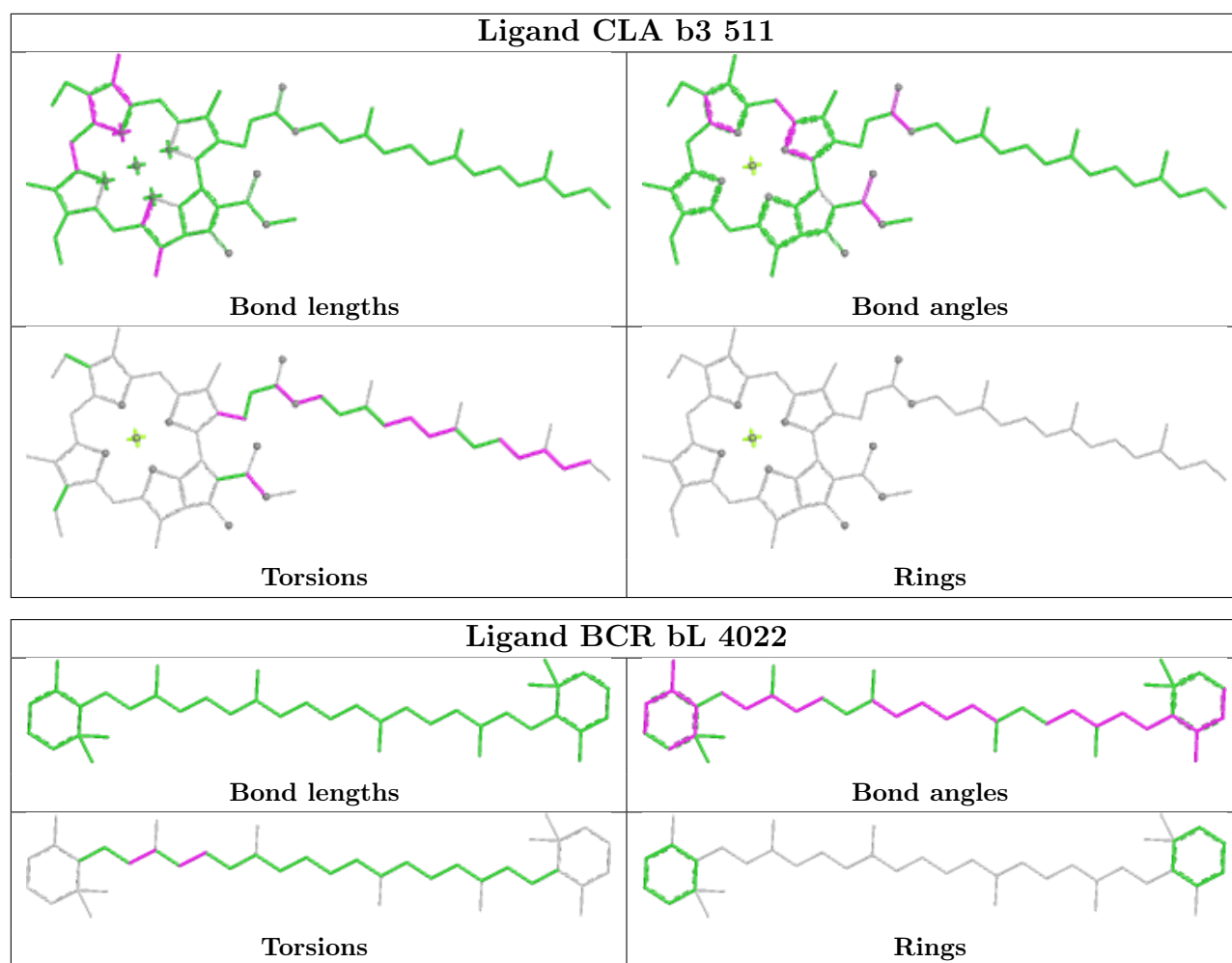
Bond angles



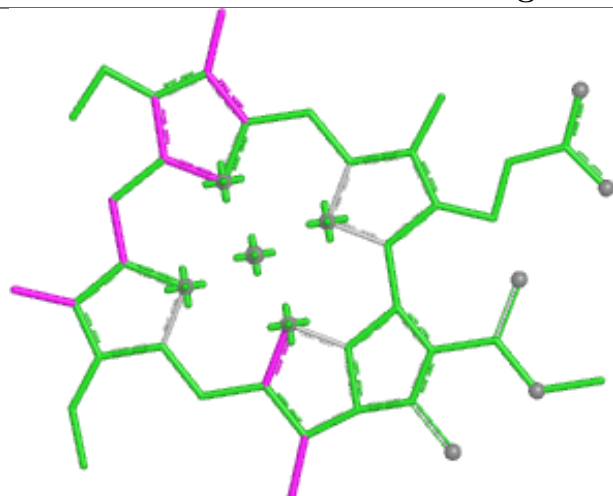
Torsions



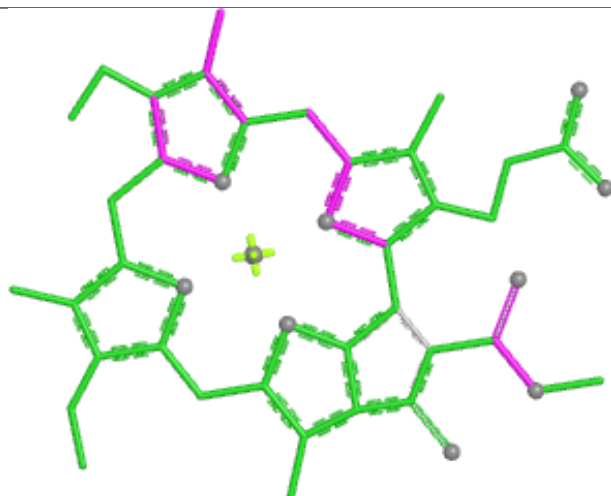
Rings



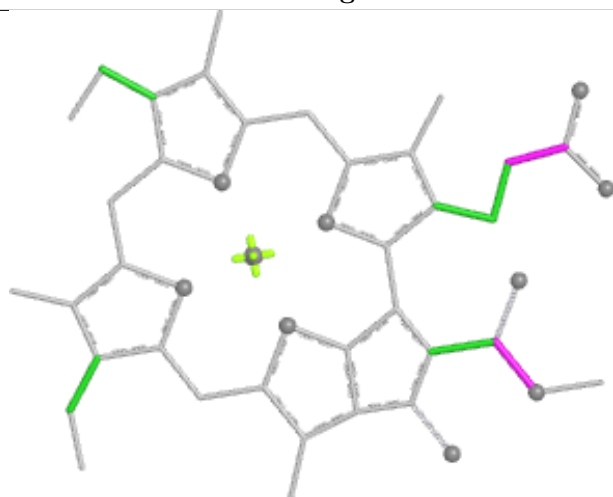
Ligand CLA h 508



Bond lengths



Bond angles

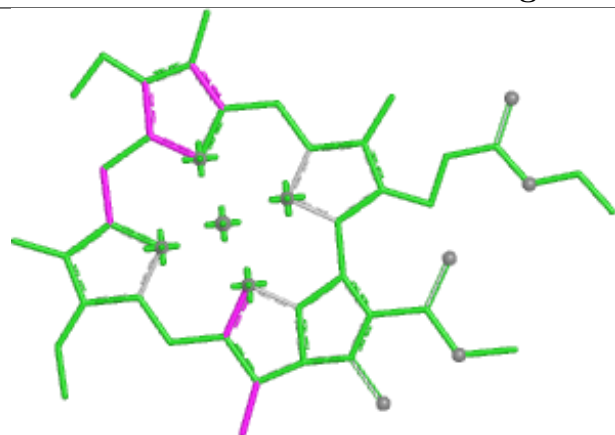


Torsions

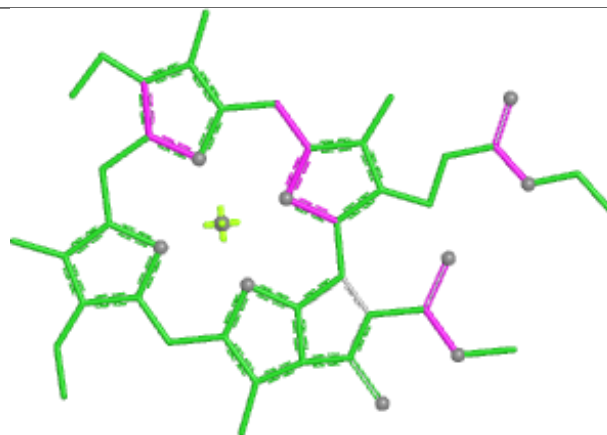


Rings

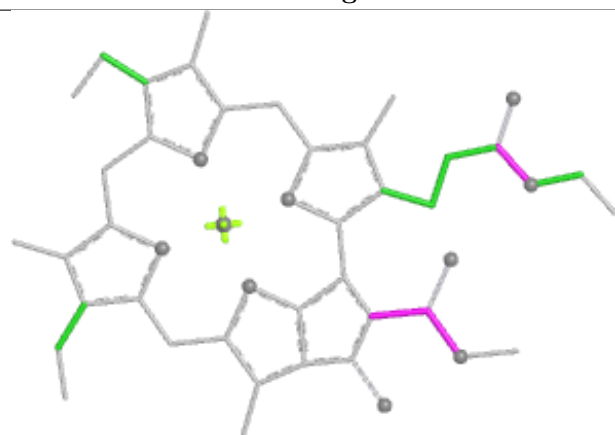
Ligand CLA S 507



Bond lengths



Bond angles

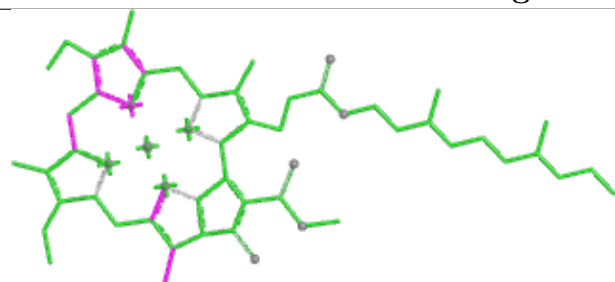


Torsions

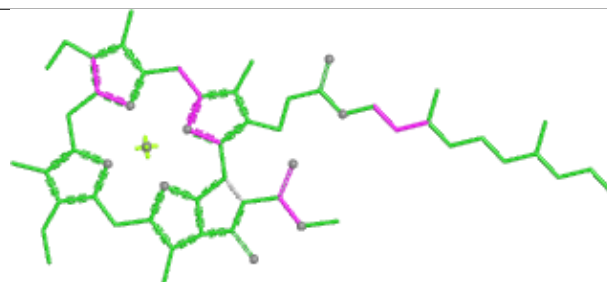


Rings

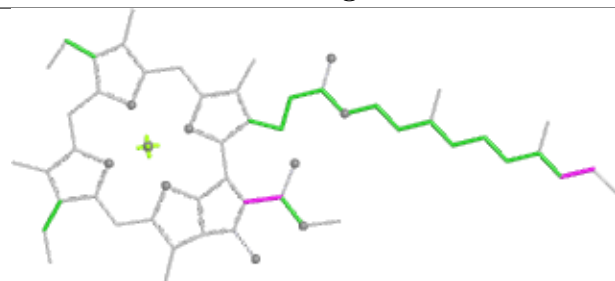
Ligand CLA c6 507



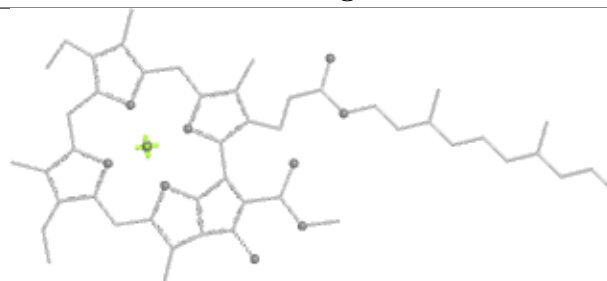
Bond lengths



Bond angles

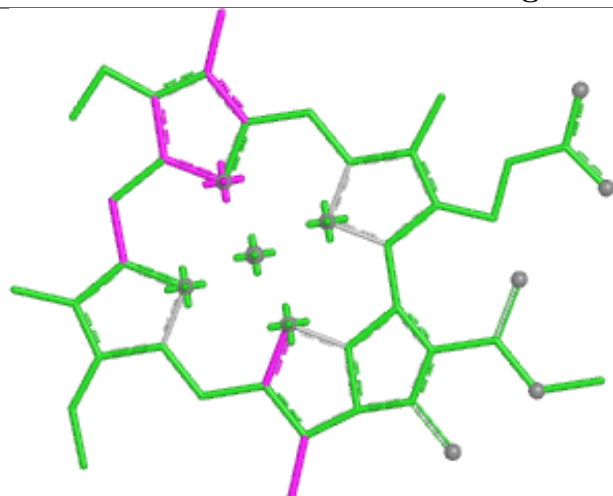


Torsions



Rings

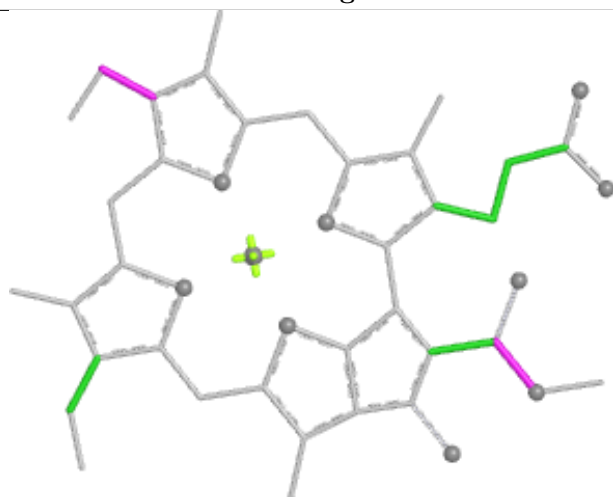
Ligand CLA f 502



Bond lengths



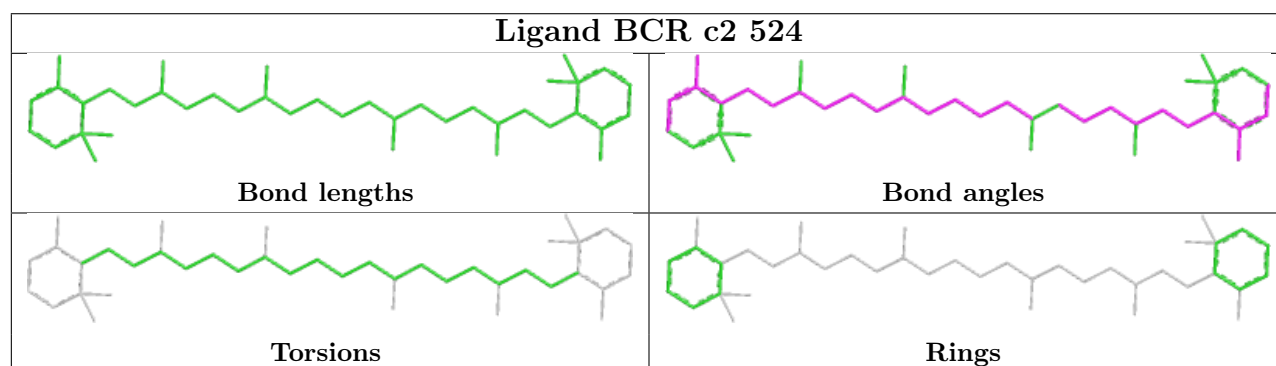
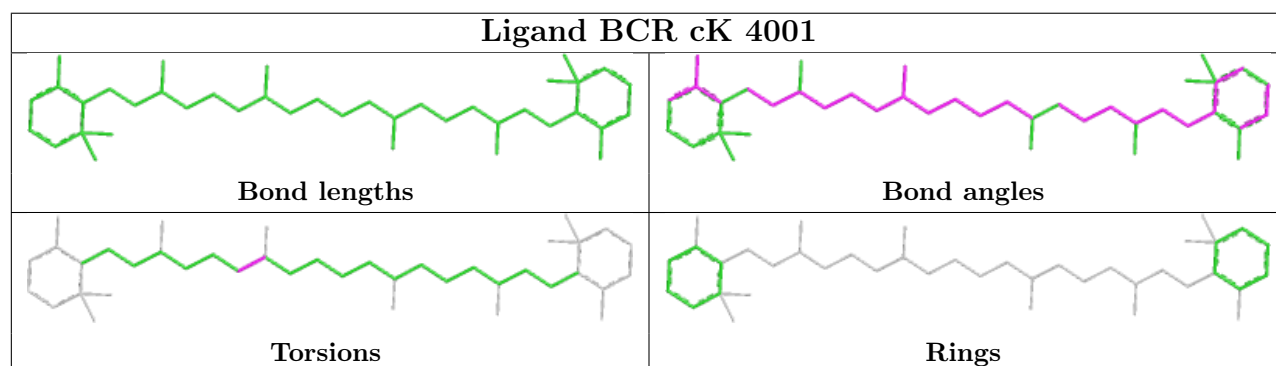
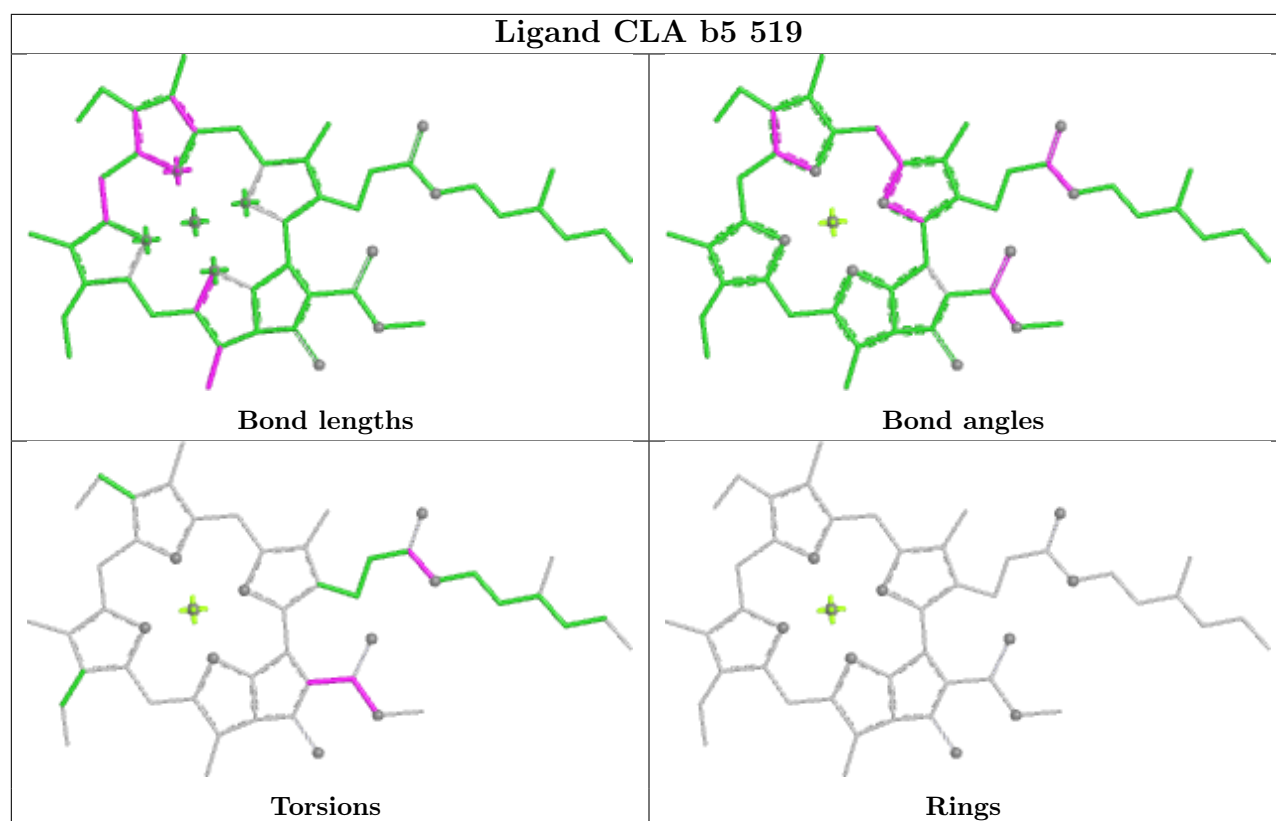
Bond angles

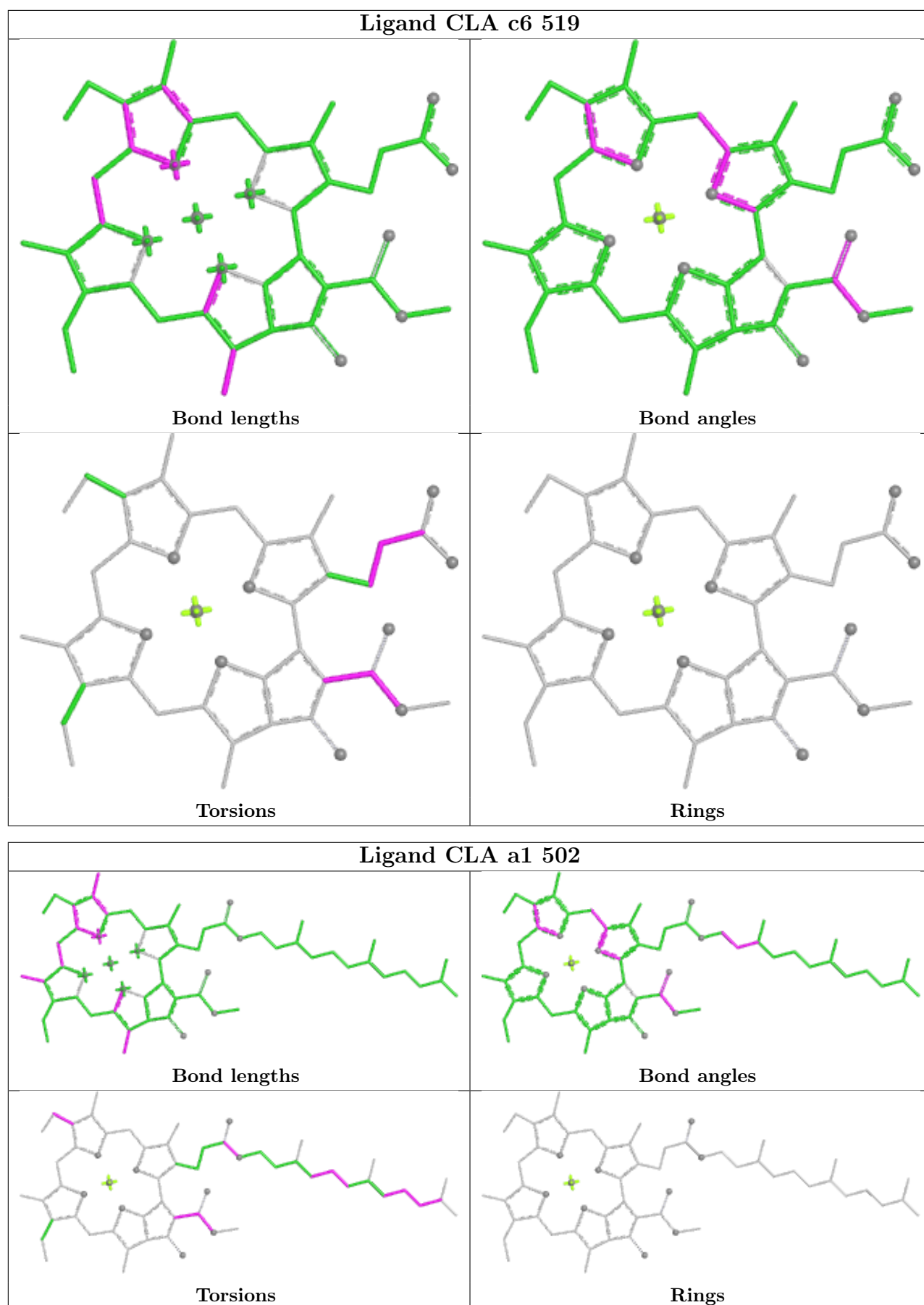


Torsions

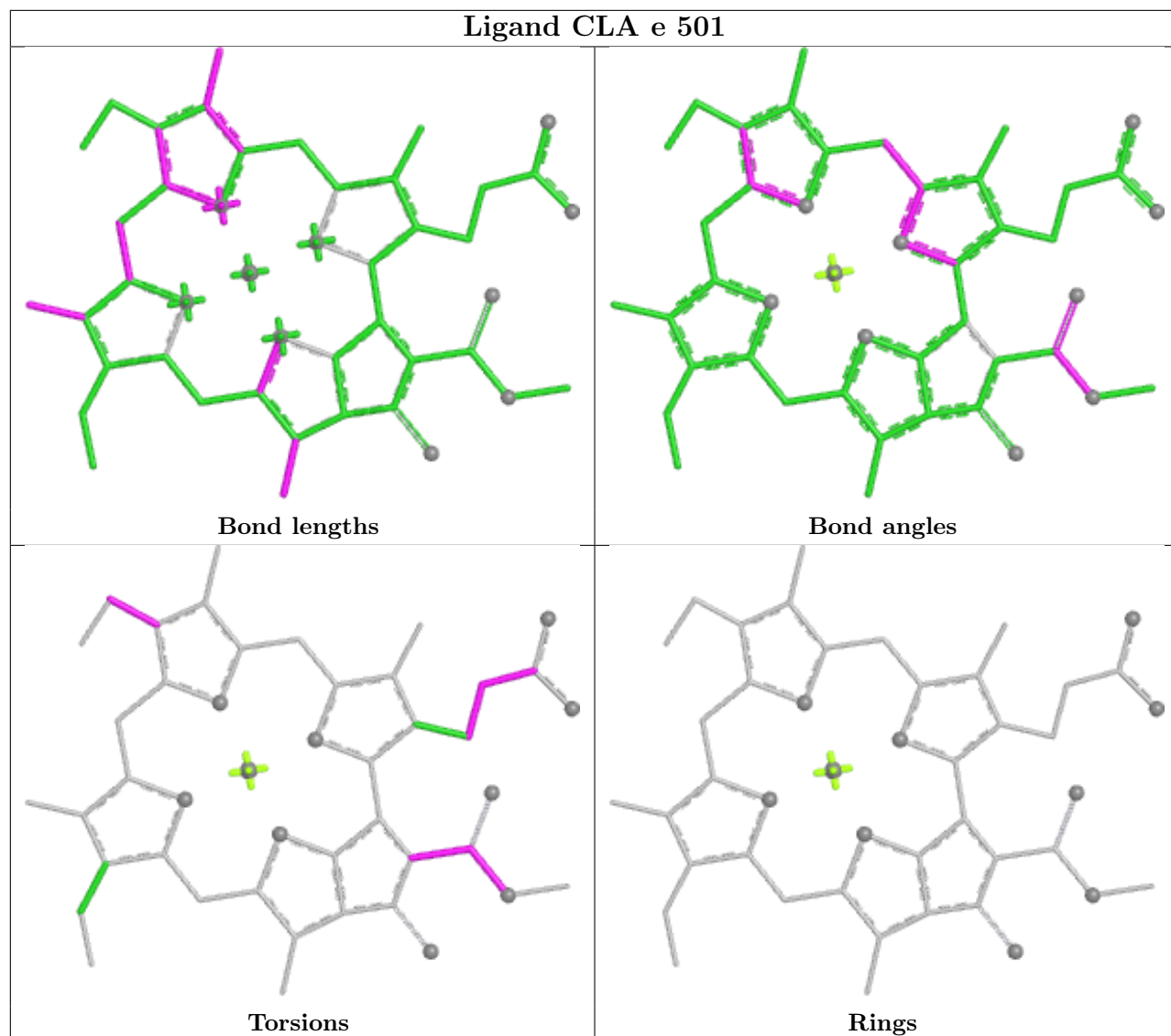


Rings

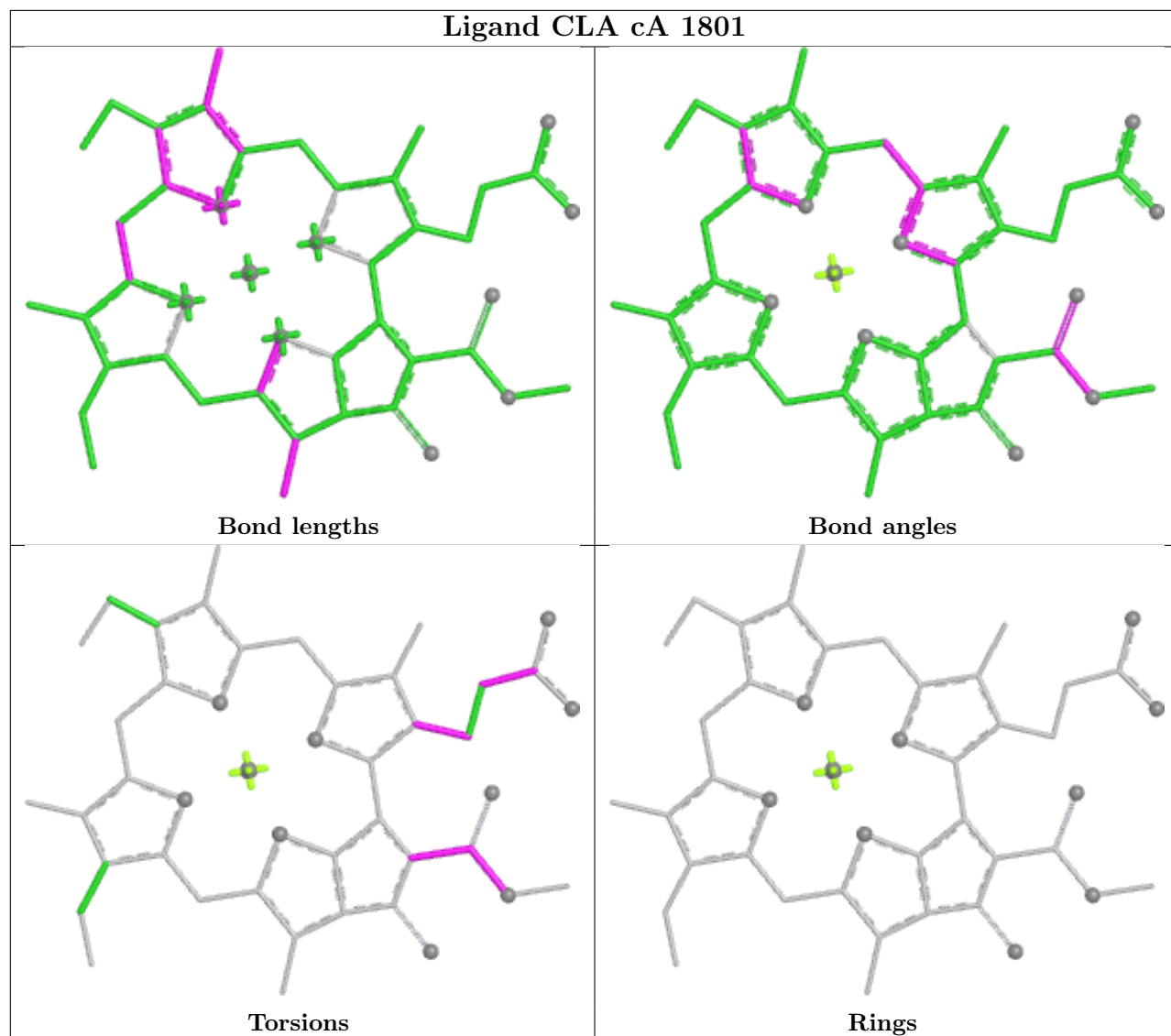


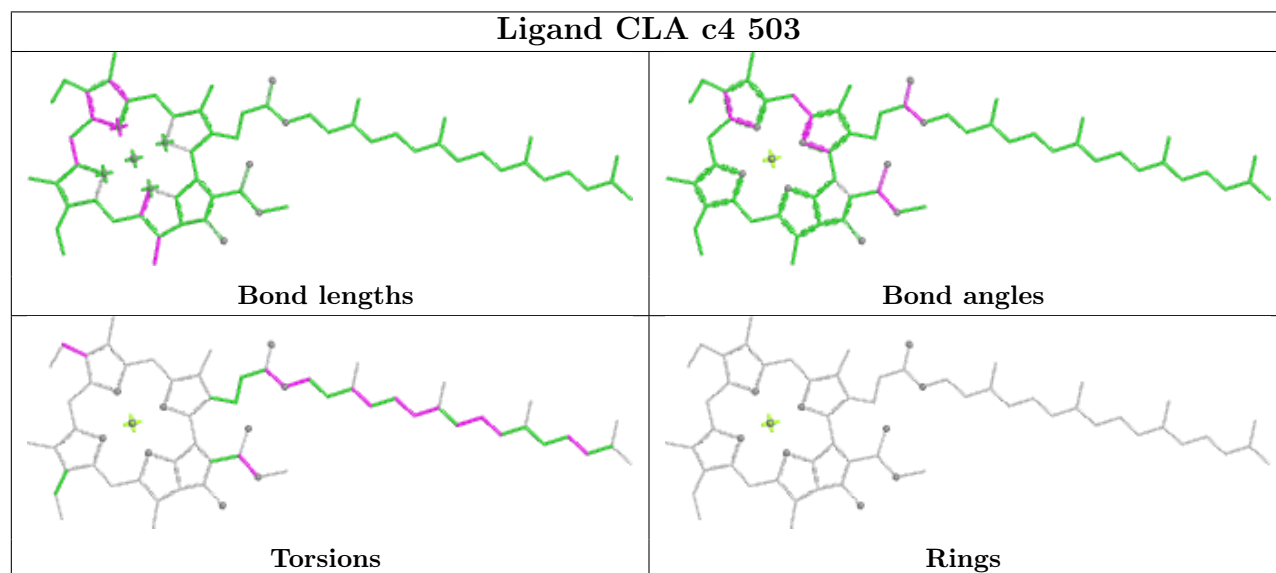
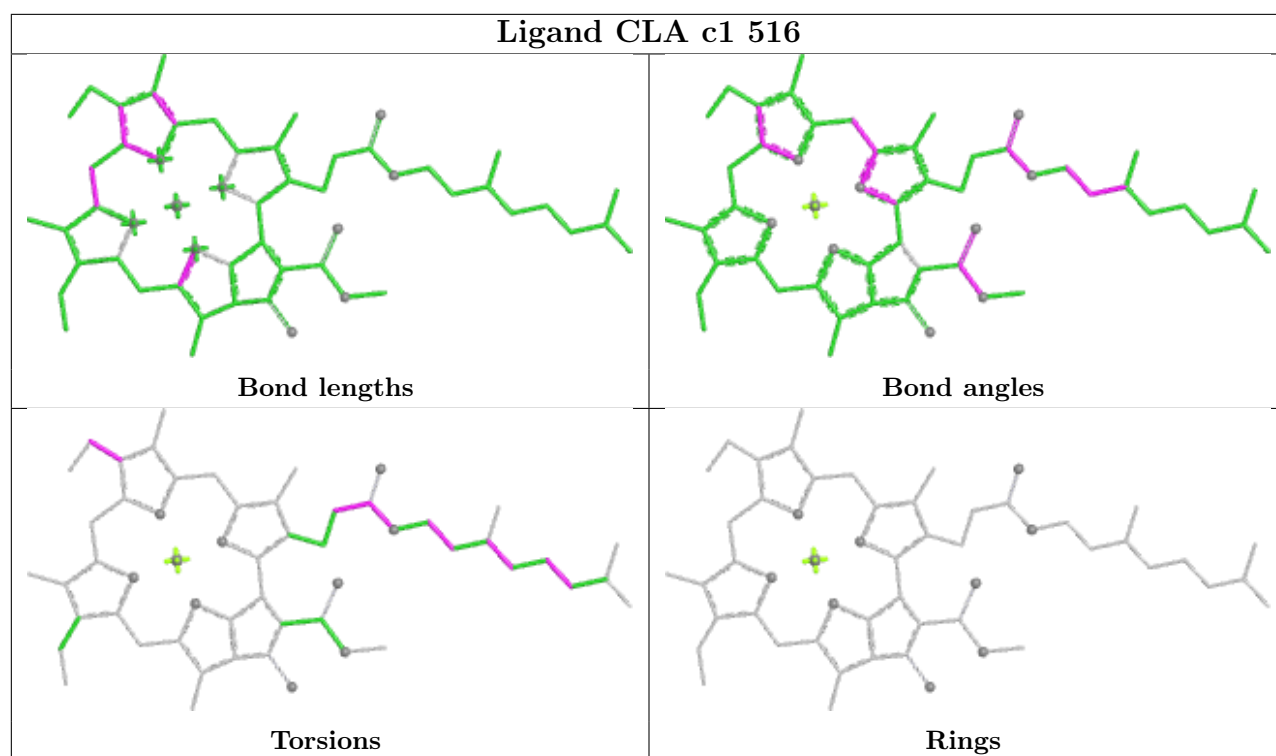


Ligand CLA e 501

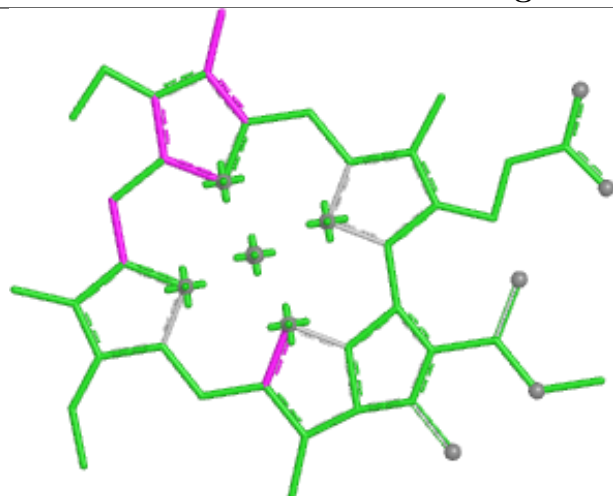


Ligand CLA cA 1801

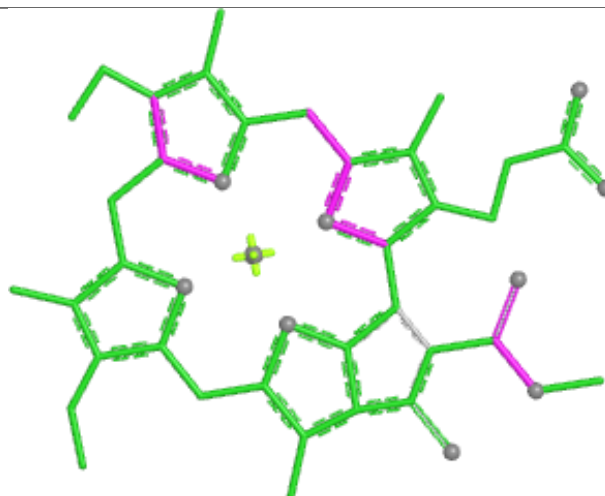




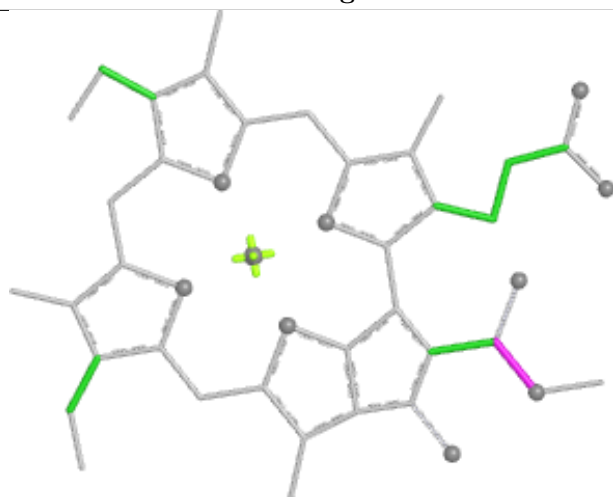
Ligand CLA T 503



Bond lengths



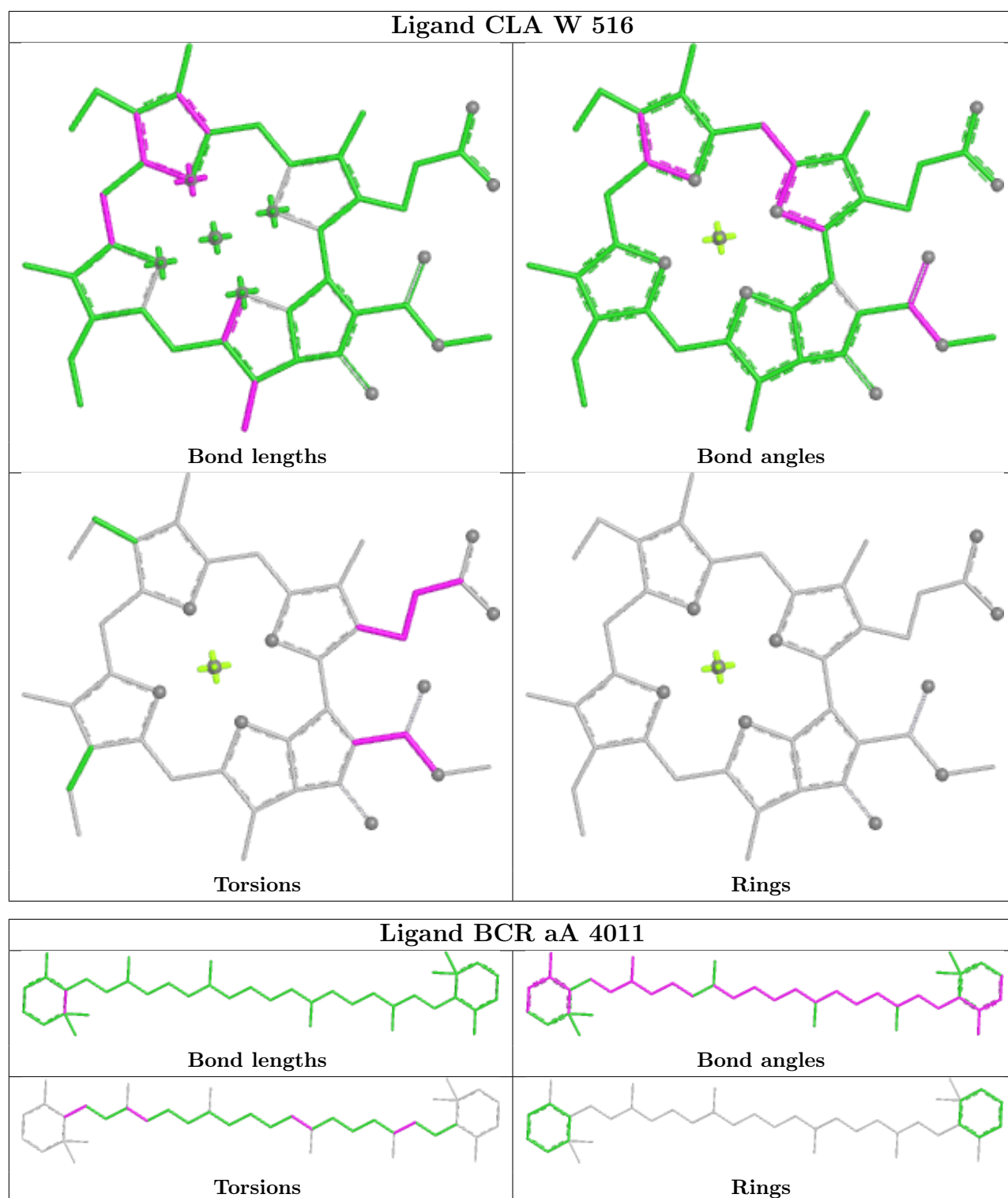
Bond angles



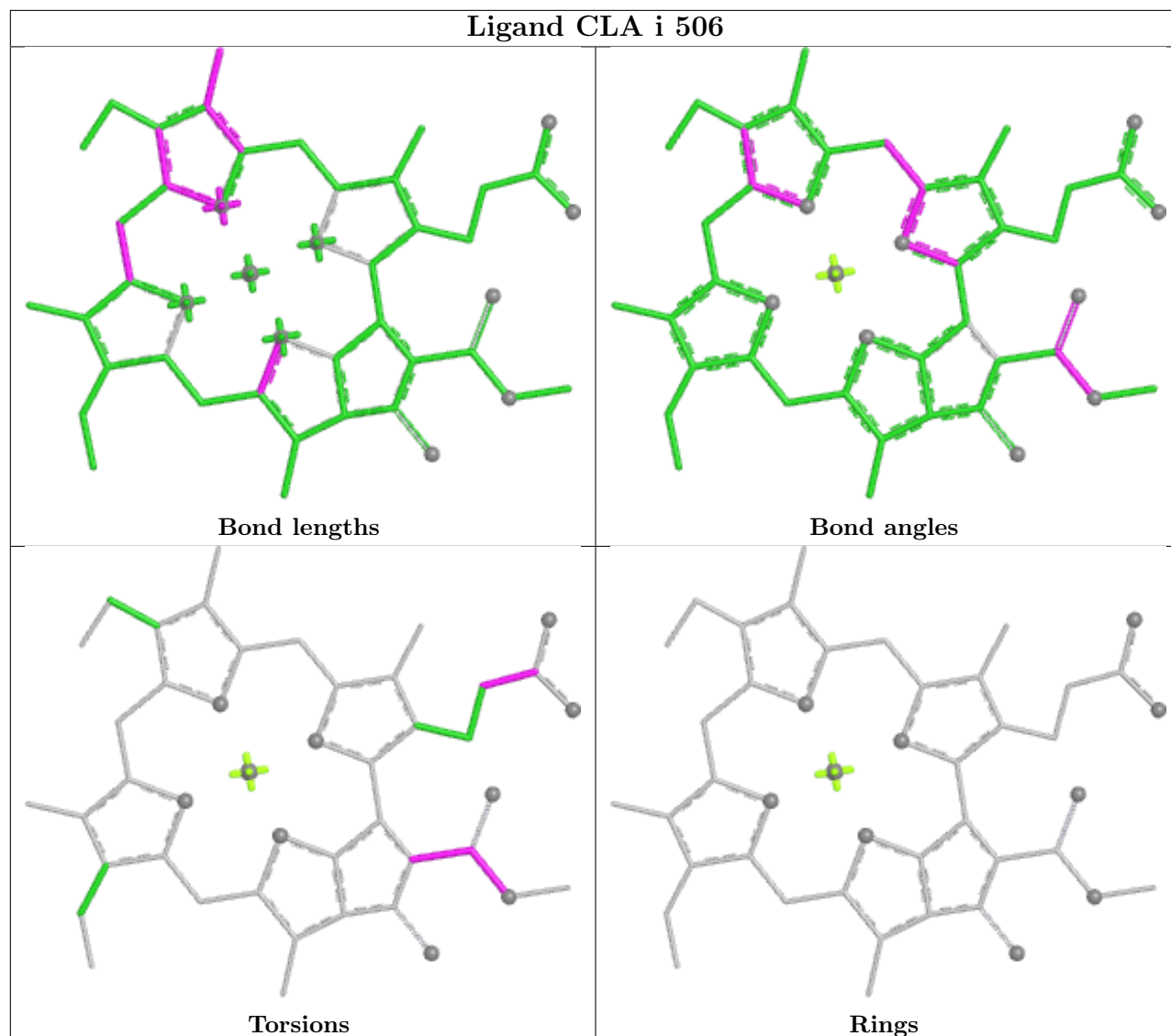
Torsions



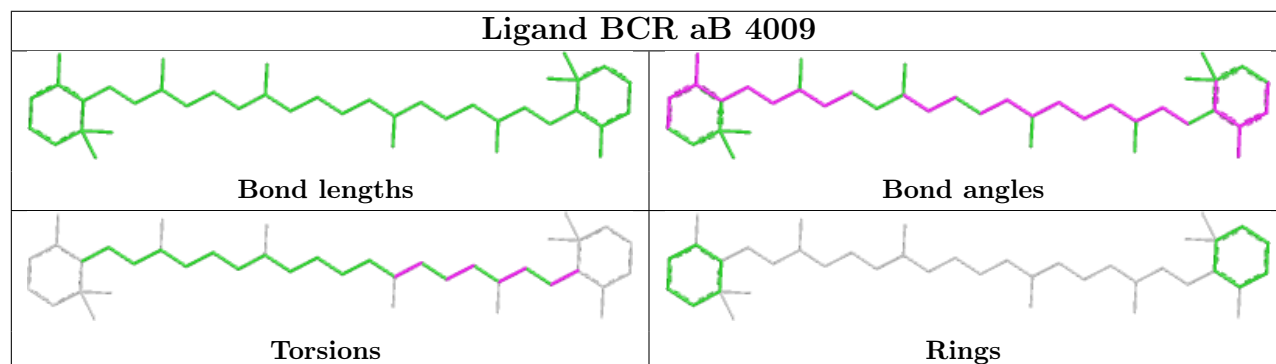
Rings

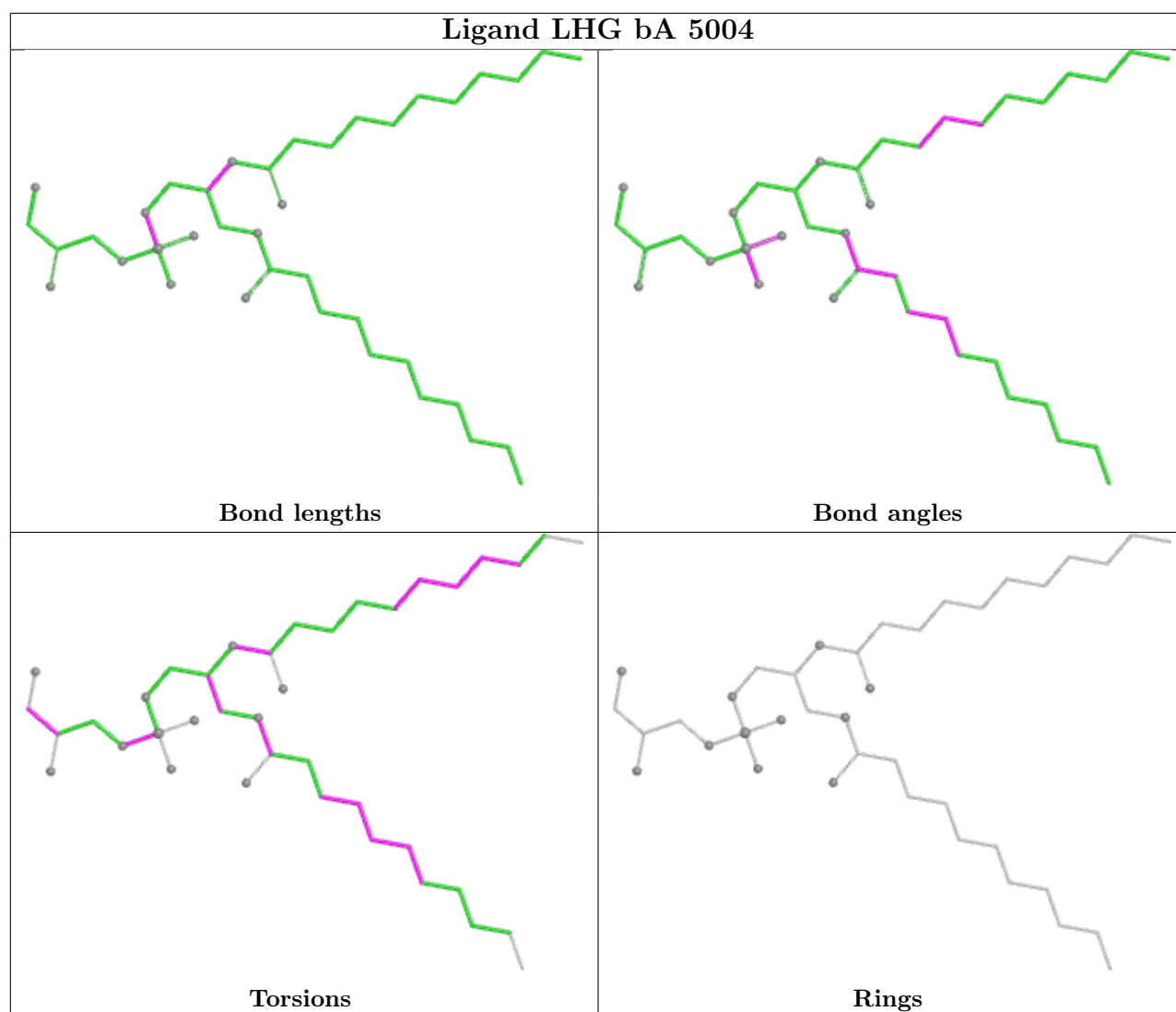


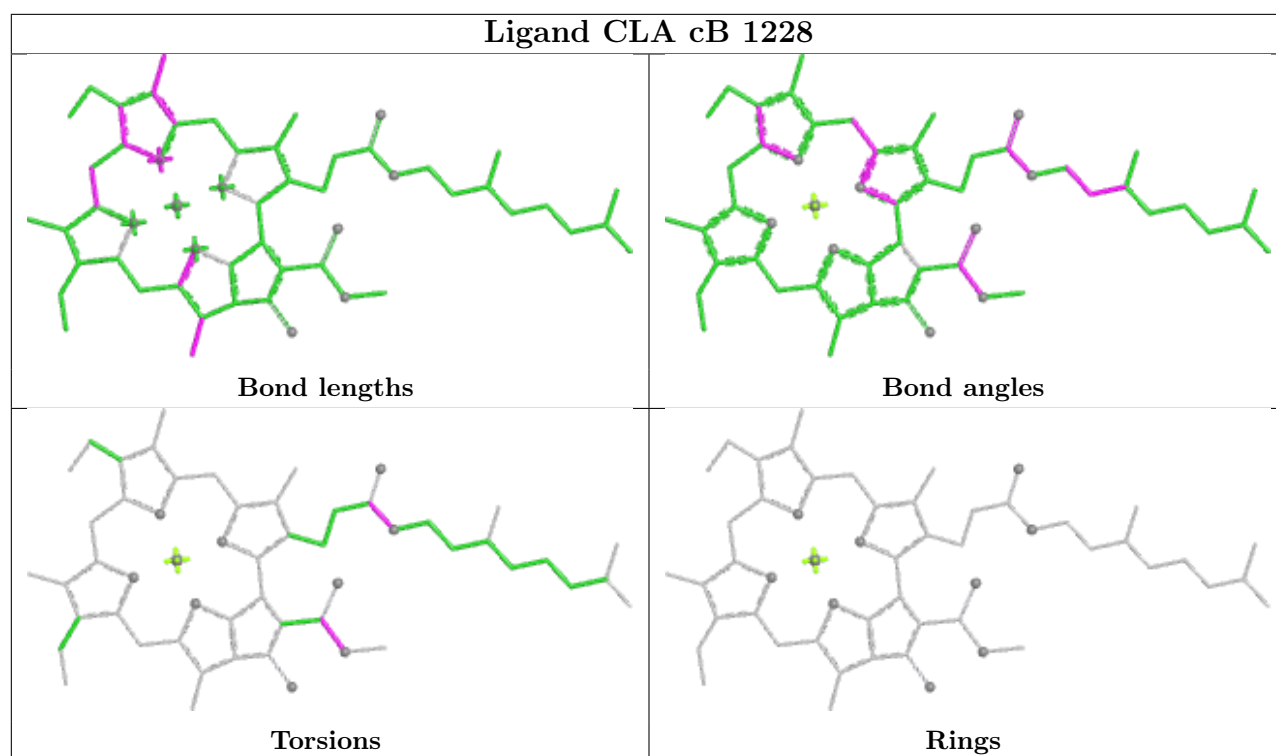
Ligand CLA i 506

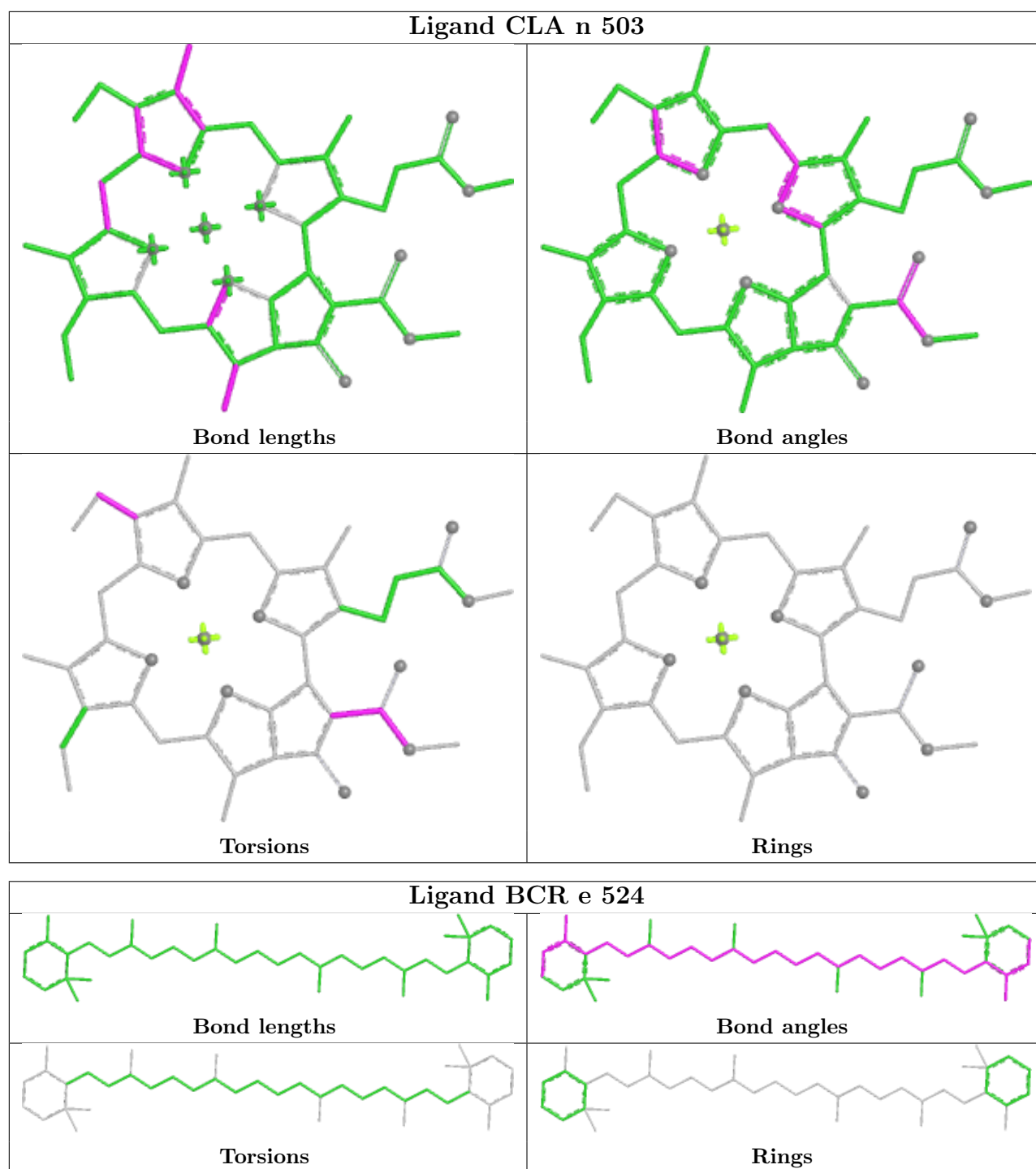


Ligand BCR aB 4009

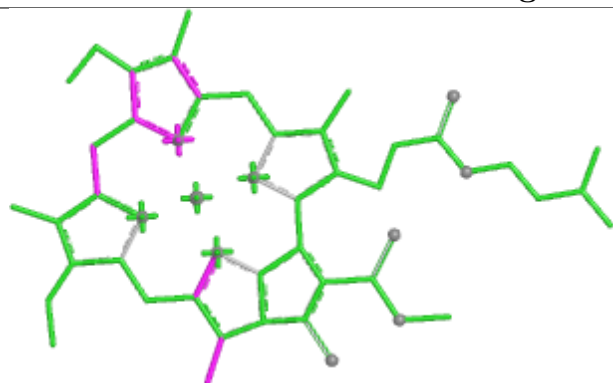




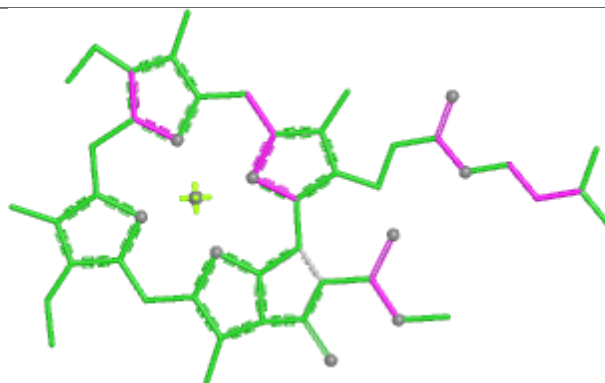




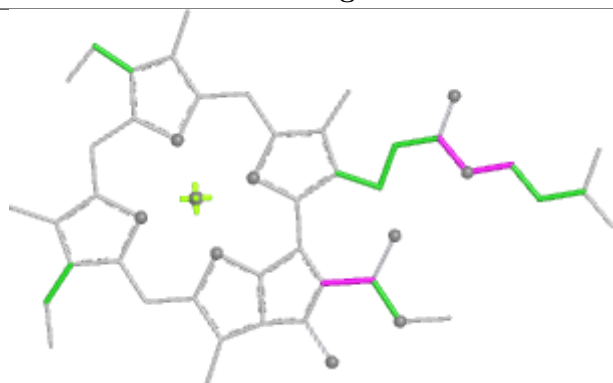
Ligand CLA e 507



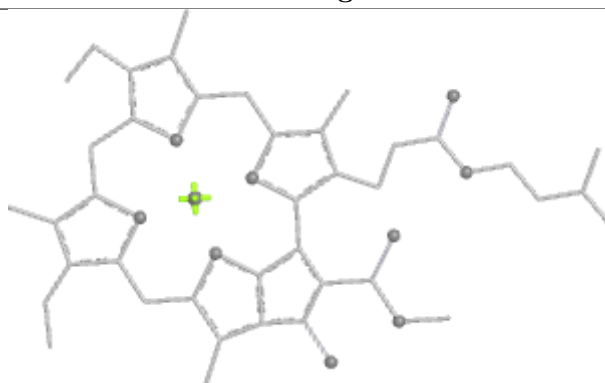
Bond lengths



Bond angles

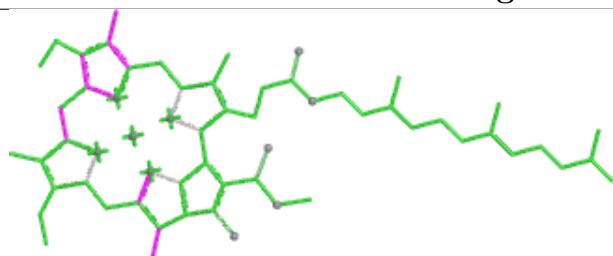


Torsions

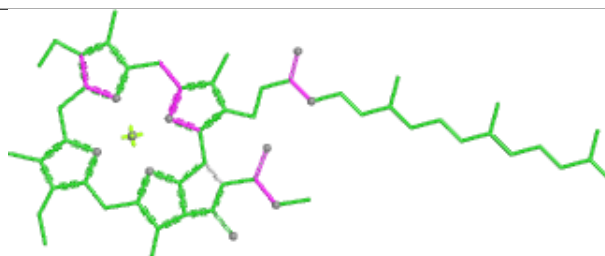


Rings

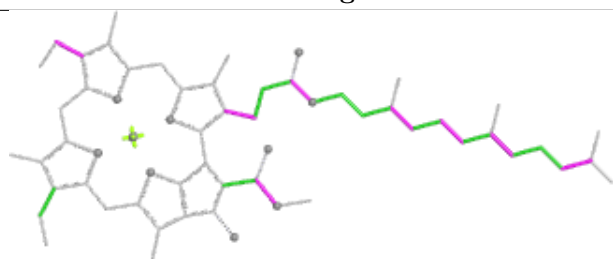
Ligand CLA cA 1118



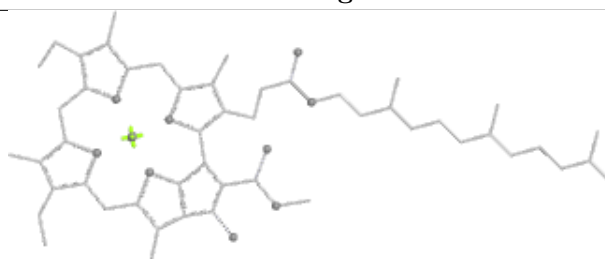
Bond lengths



Bond angles

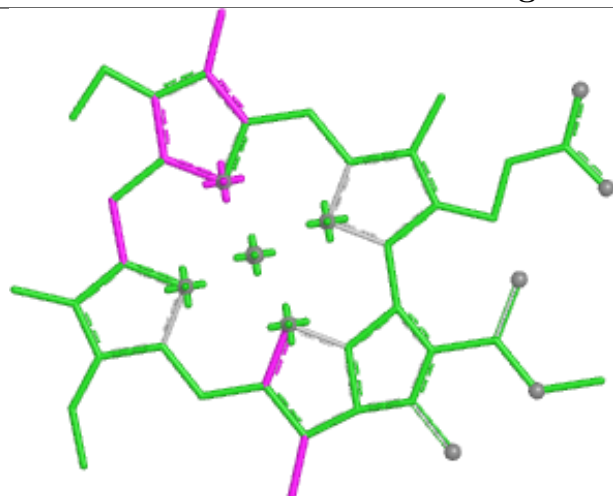


Torsions

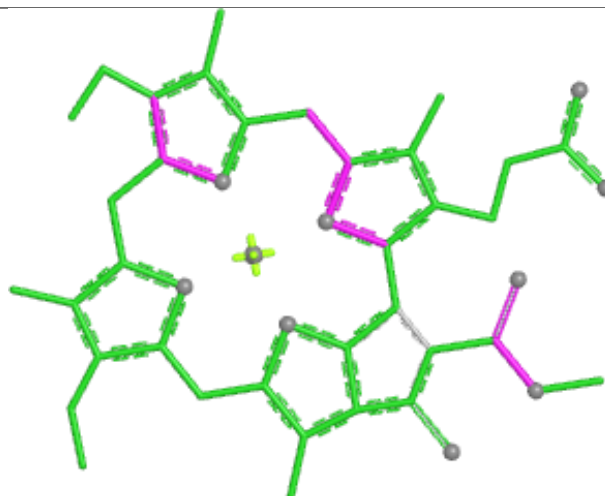


Rings

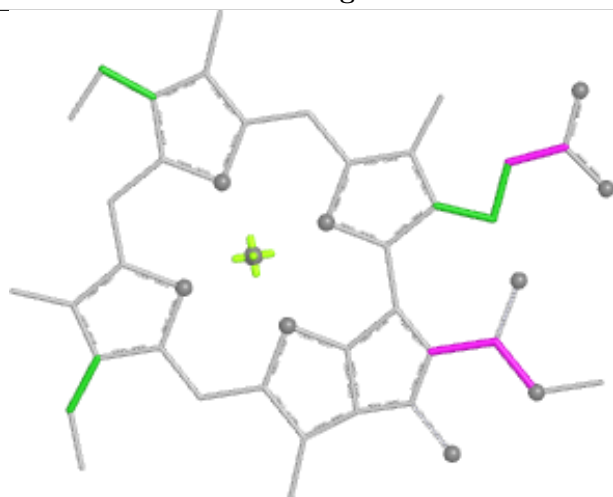
Ligand CLA o 506



Bond lengths



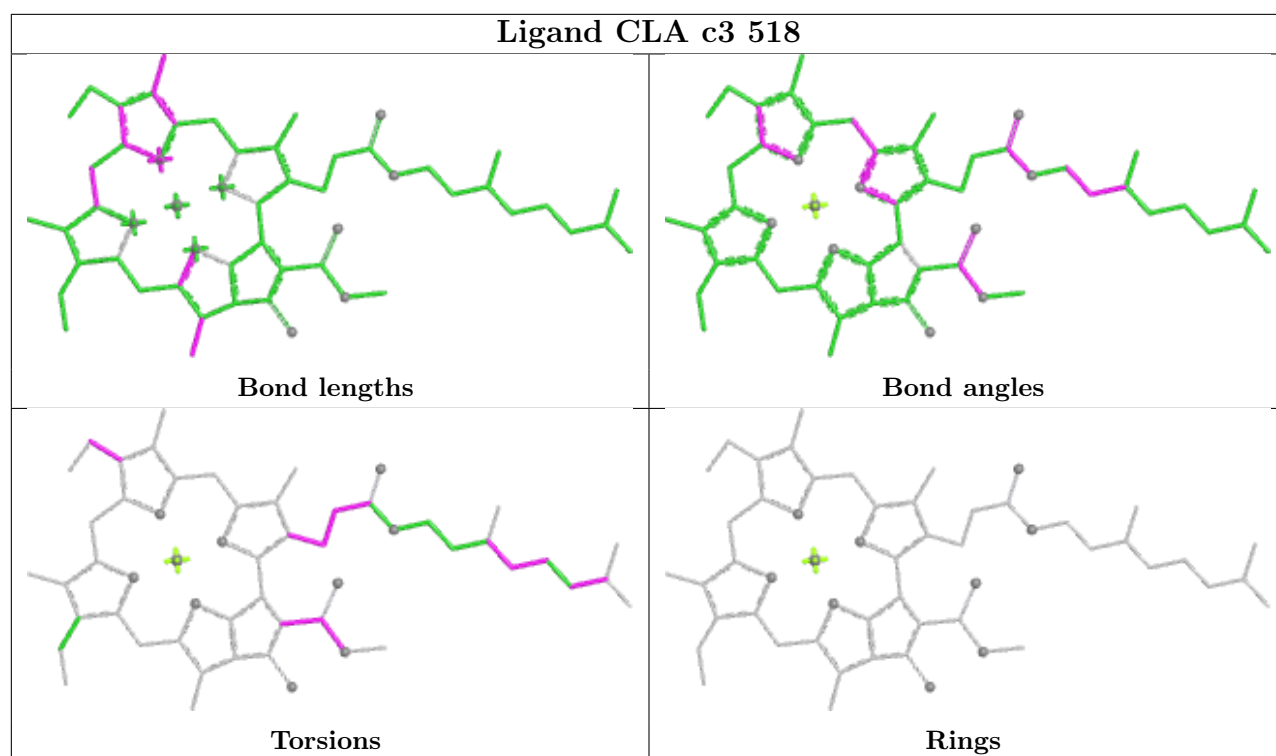
Bond angles



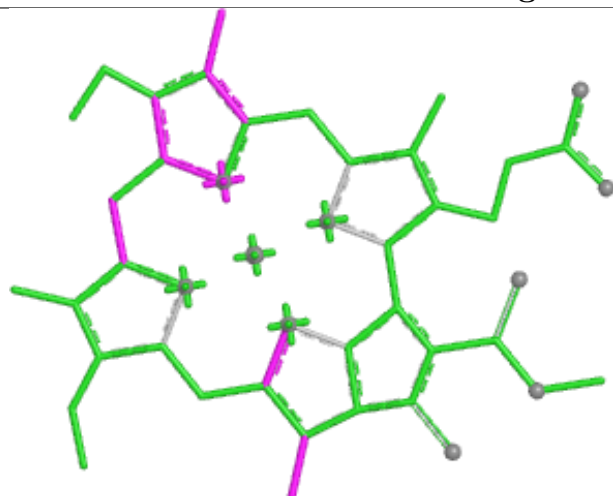
Torsions



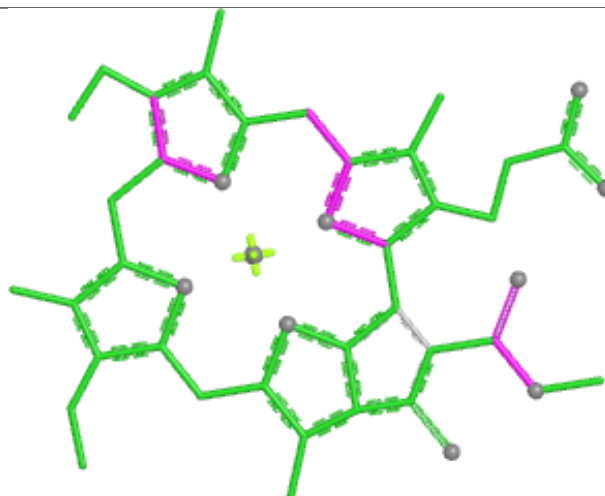
Rings



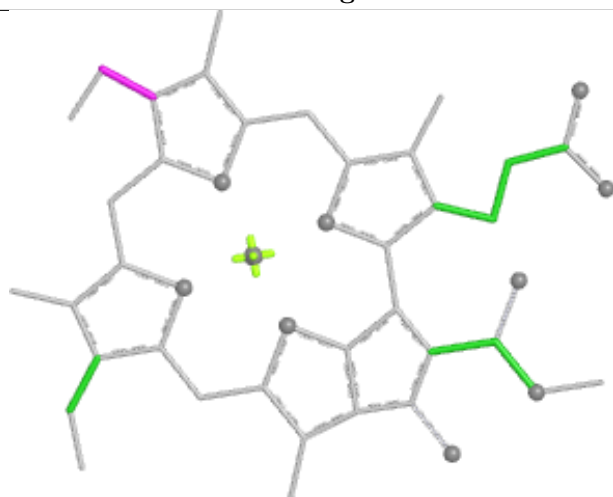
Ligand CLA o 502



Bond lengths



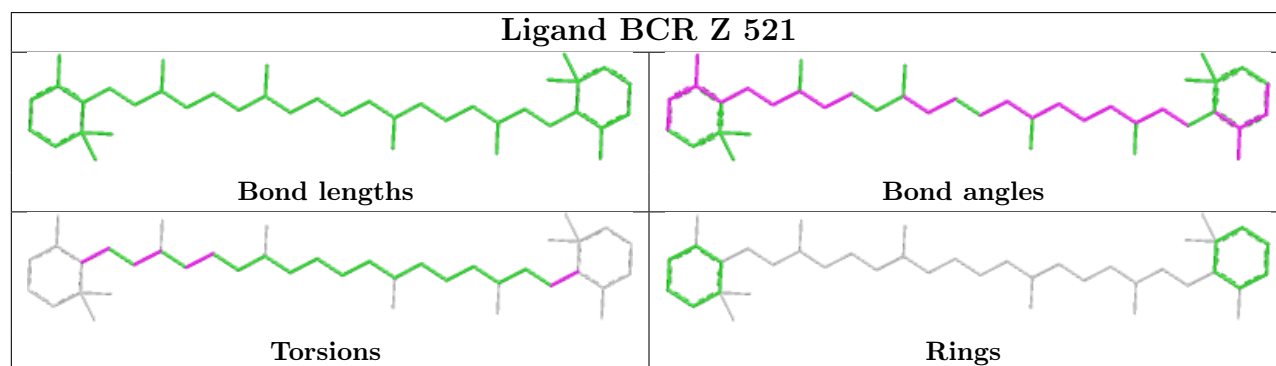
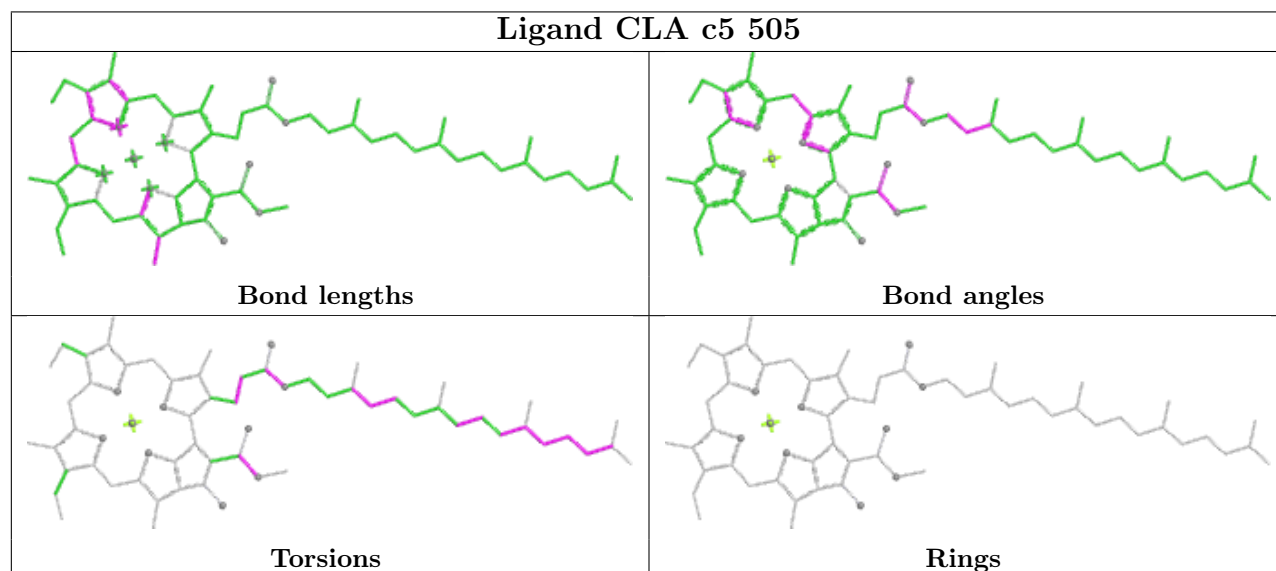
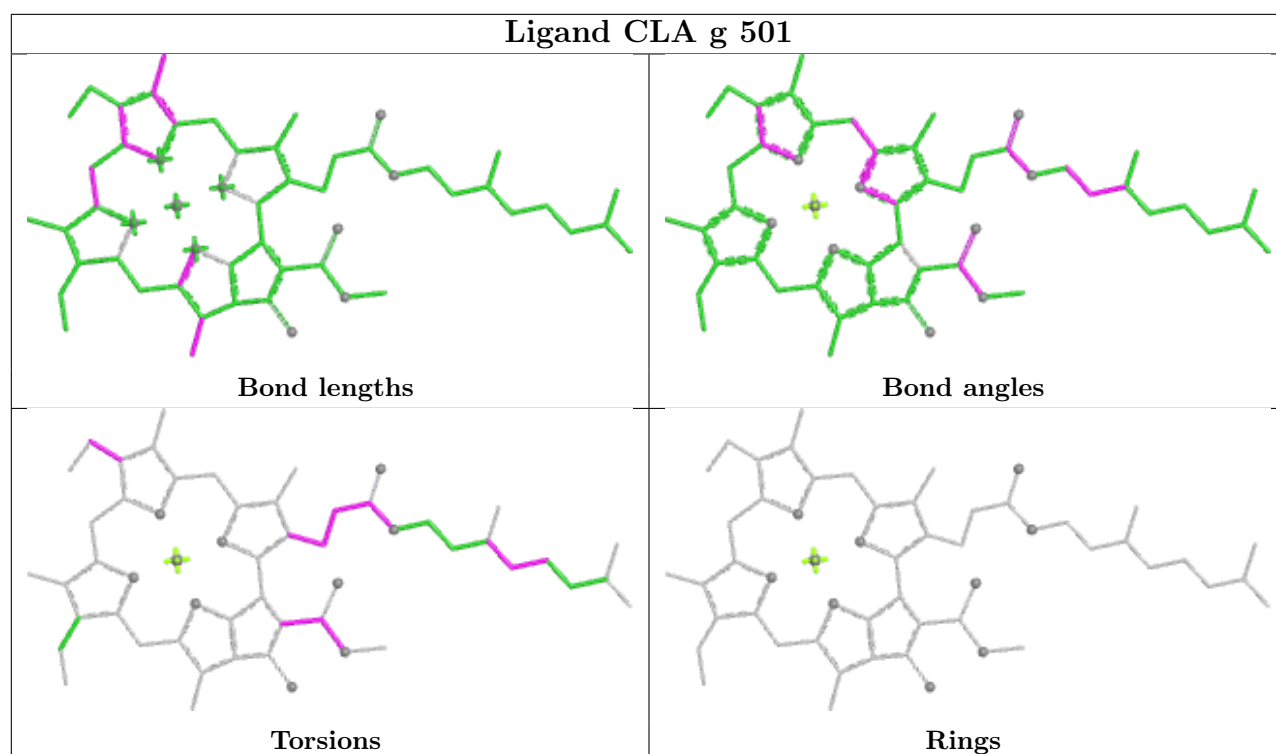
Bond angles



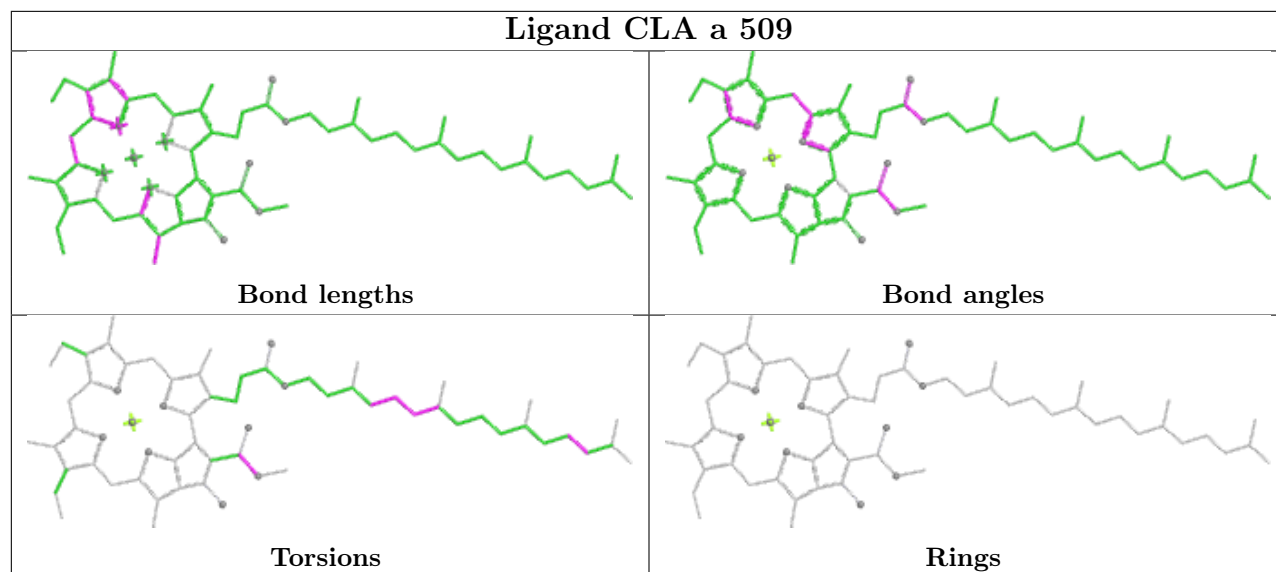
Torsions



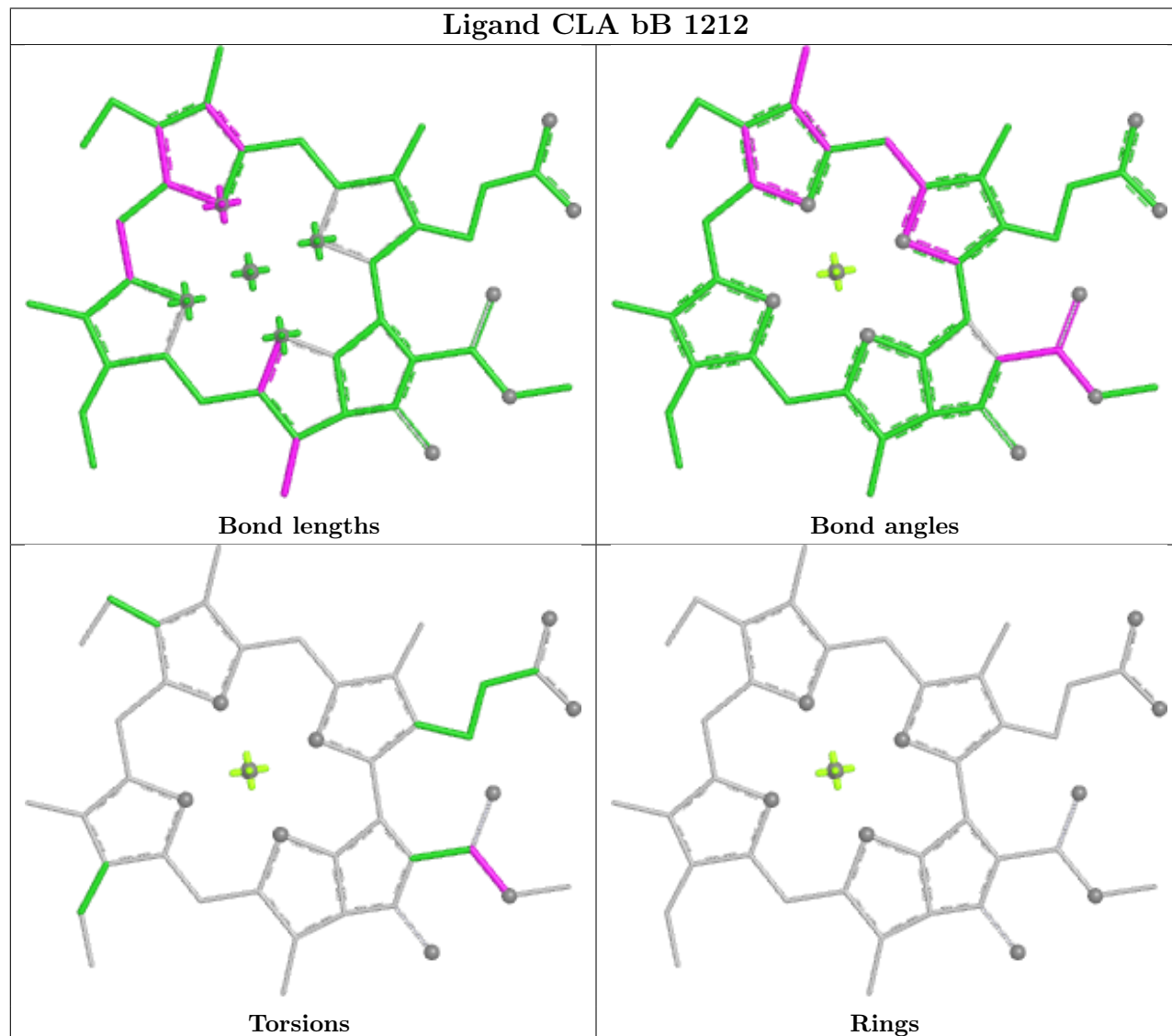
Rings

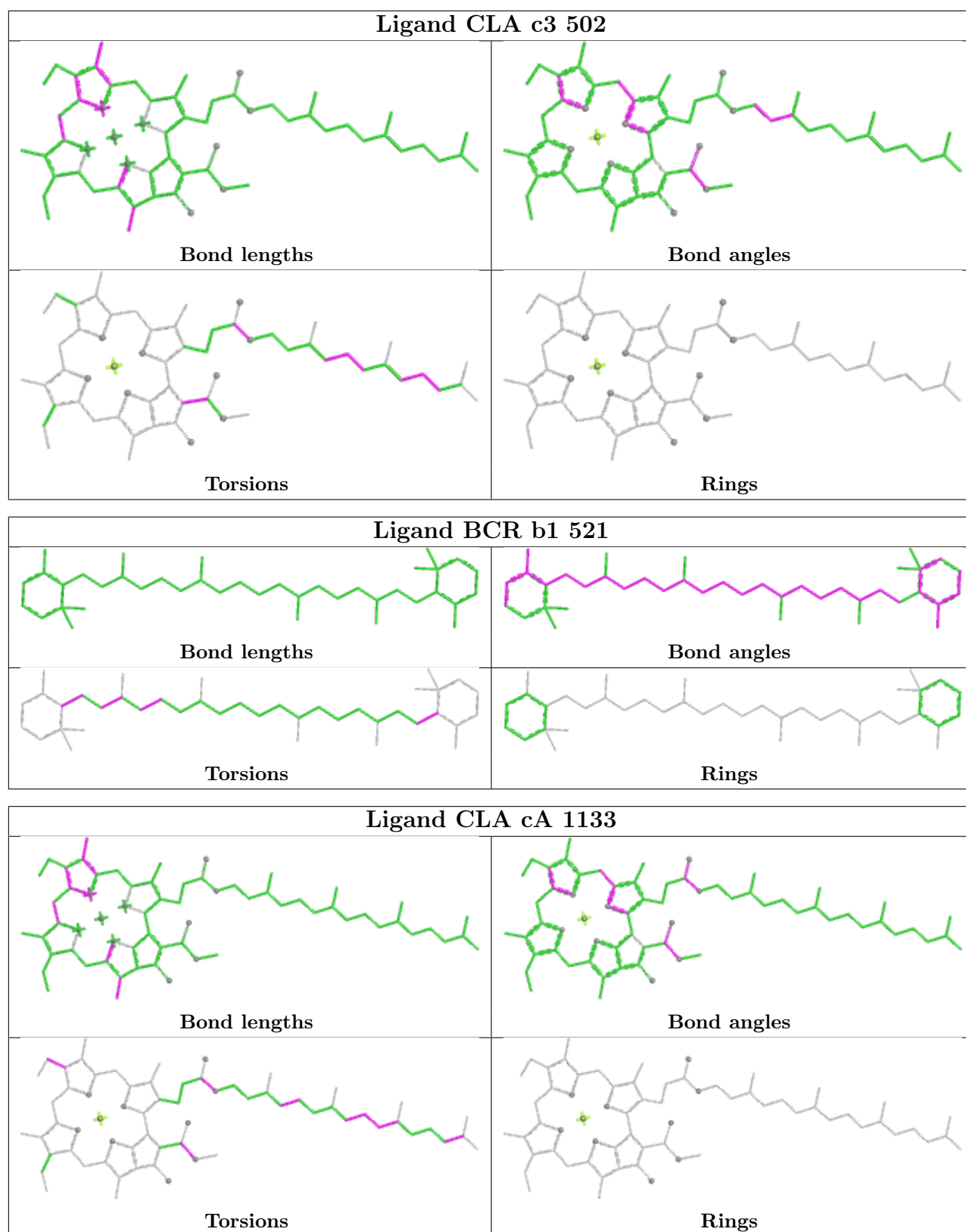


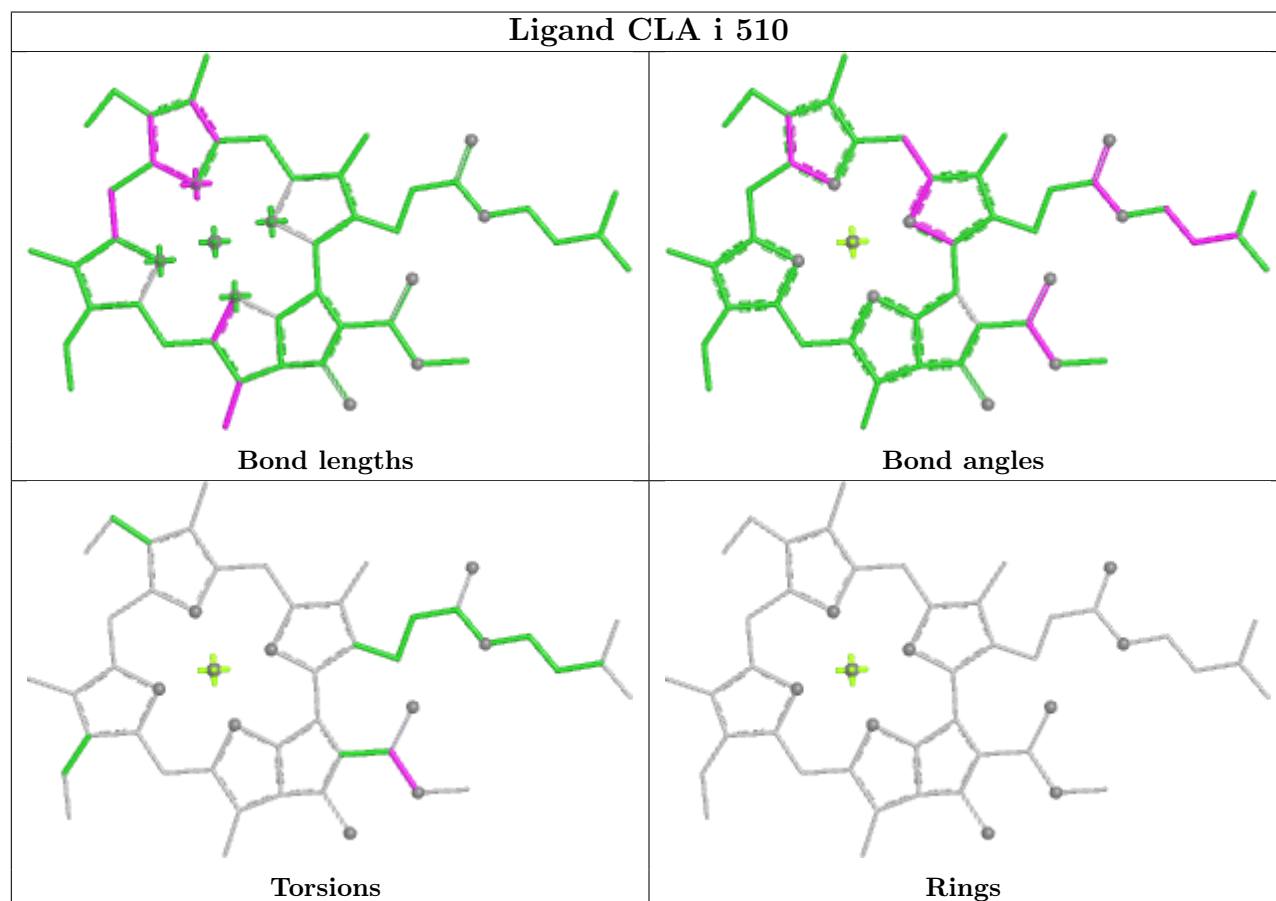
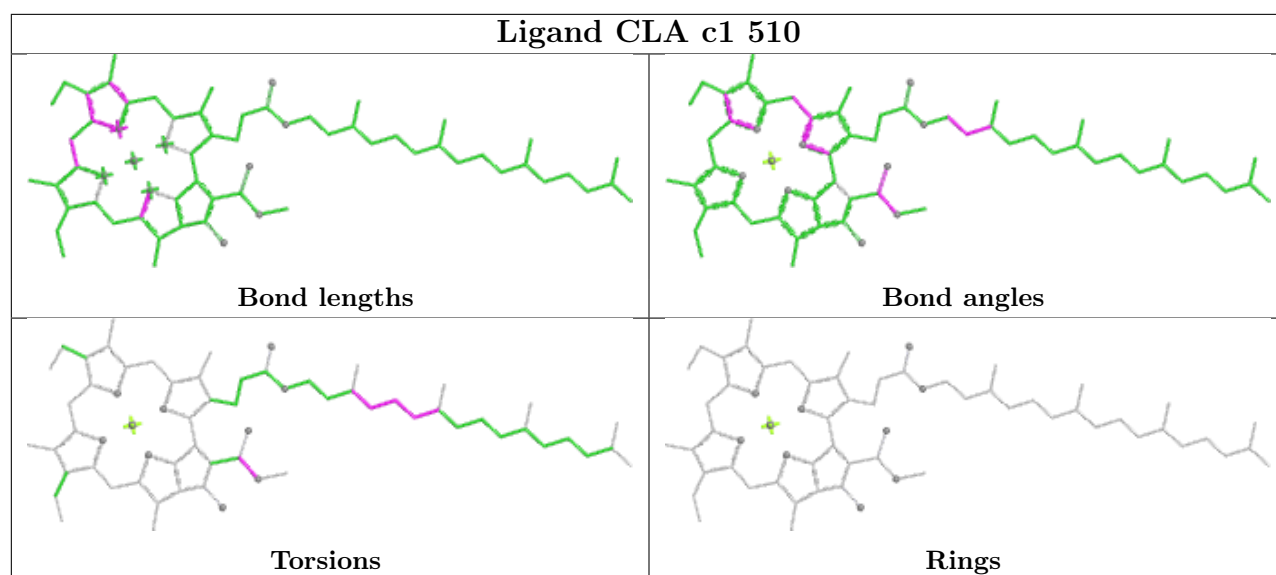
Ligand CLA a 509



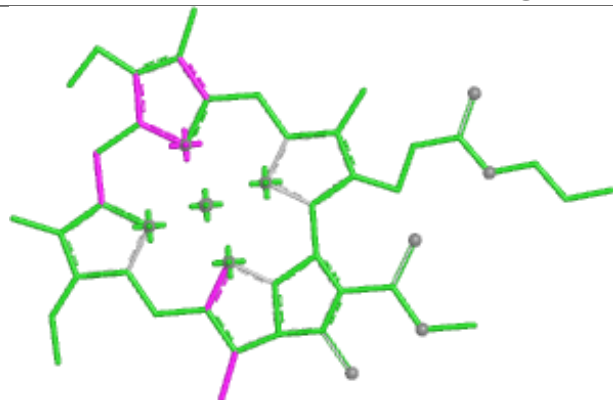
Ligand CLA bB 1212



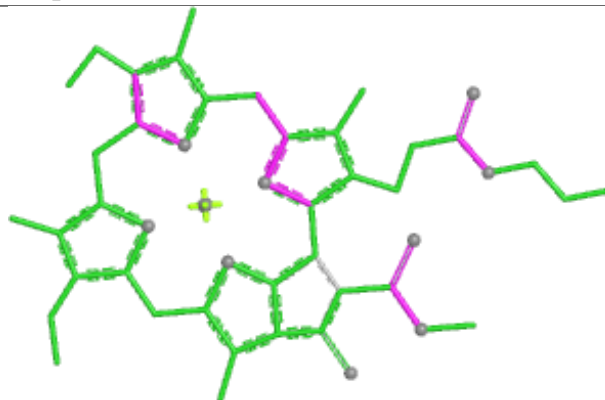




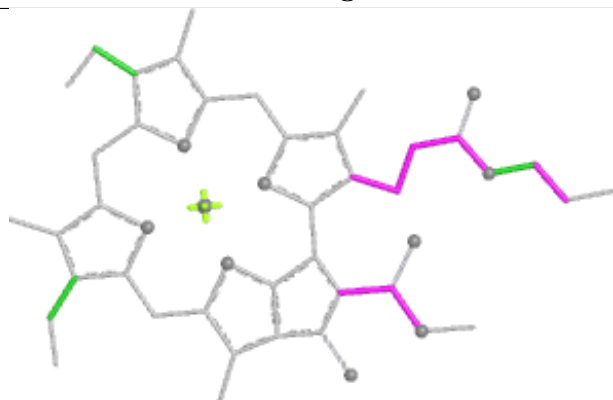
Ligand CLA p 518



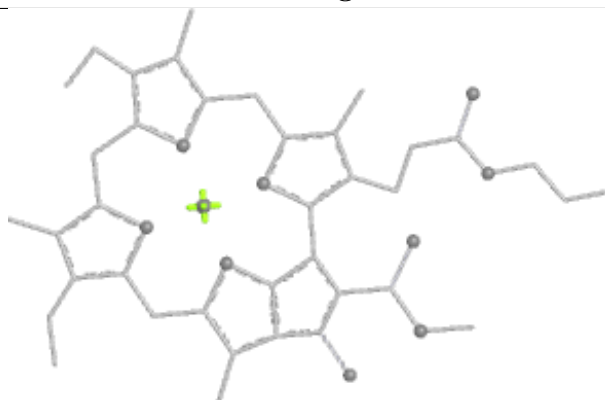
Bond lengths



Bond angles

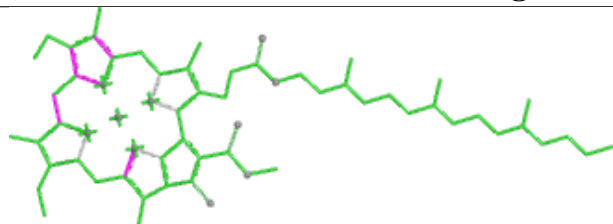


Torsions

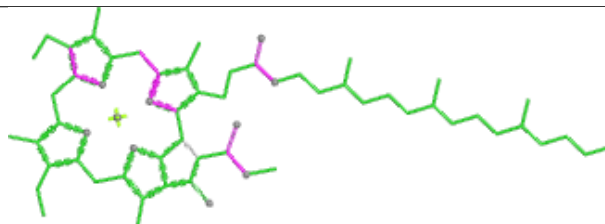


Rings

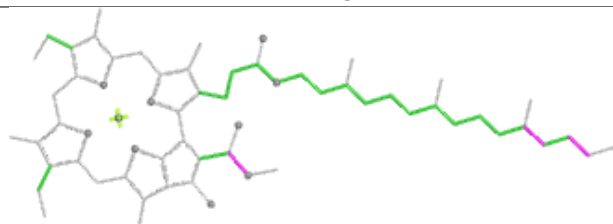
Ligand CLA c3 503



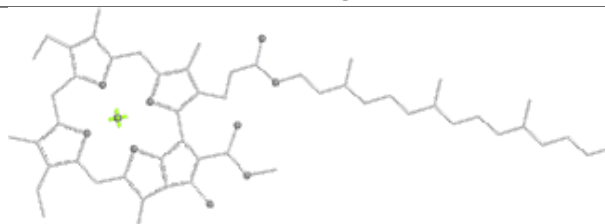
Bond lengths



Bond angles

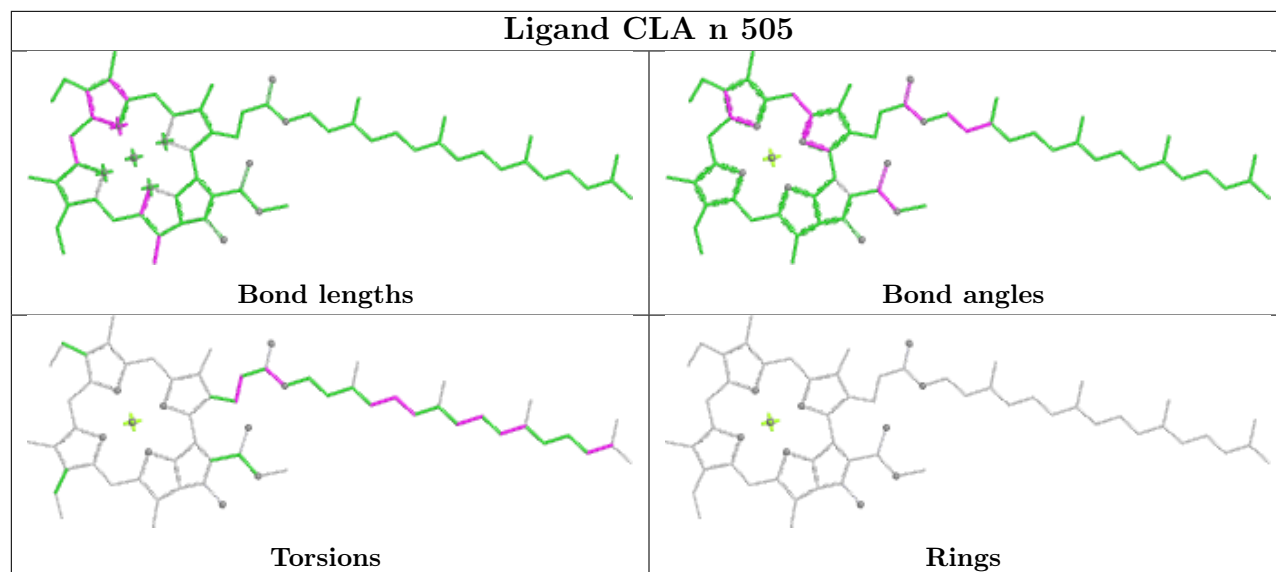


Torsions

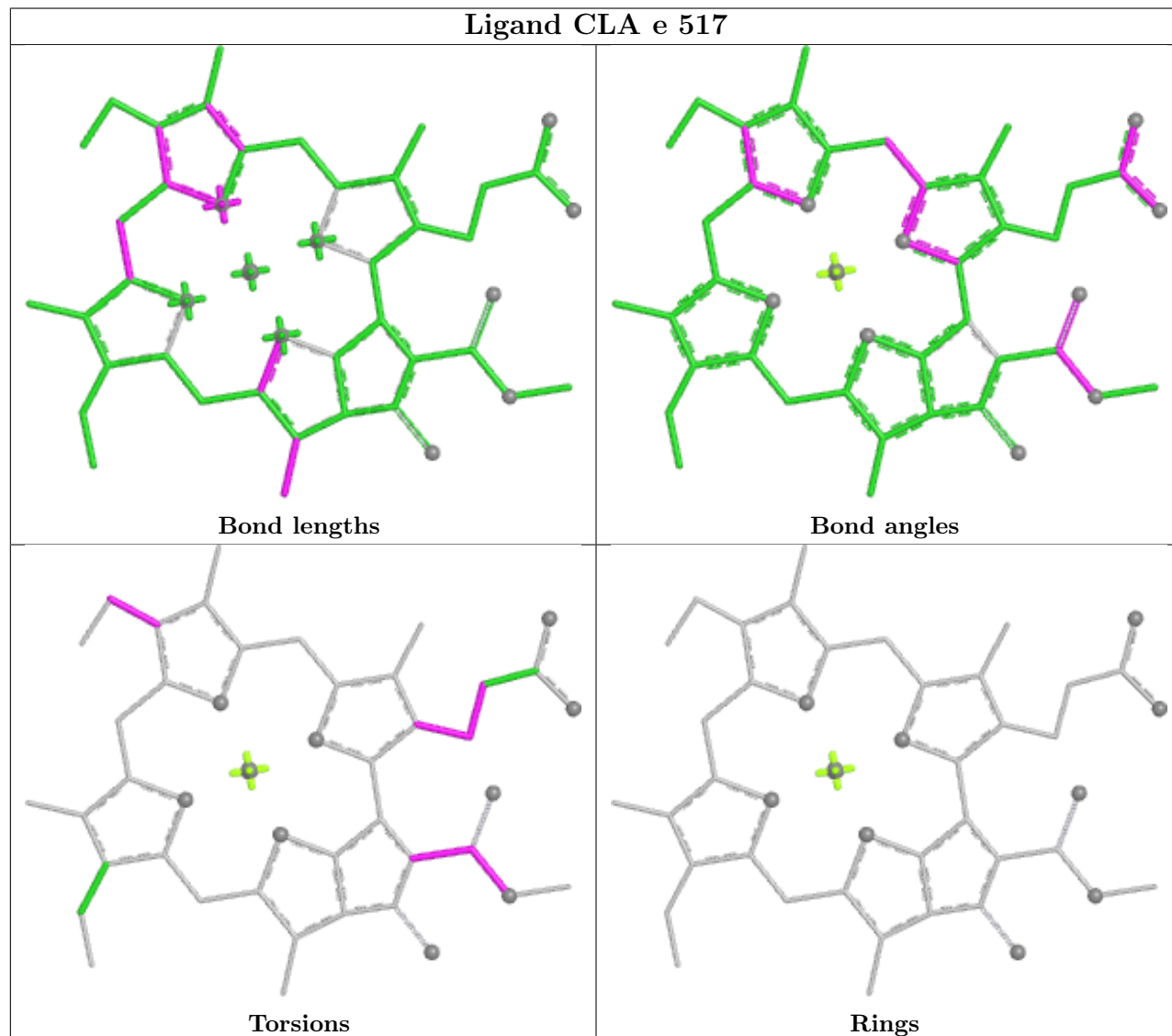


Rings

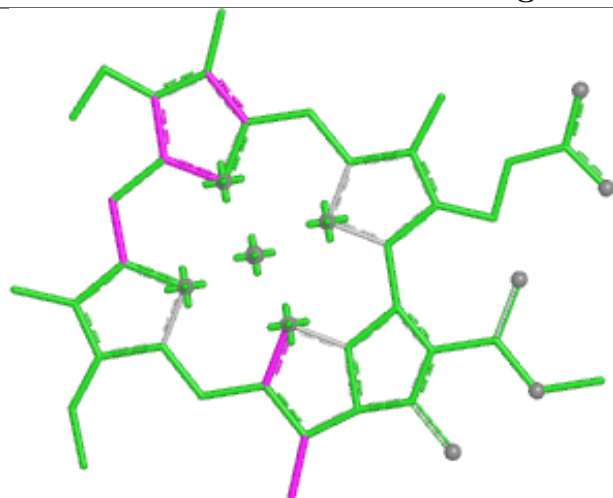
Ligand CLA n 505



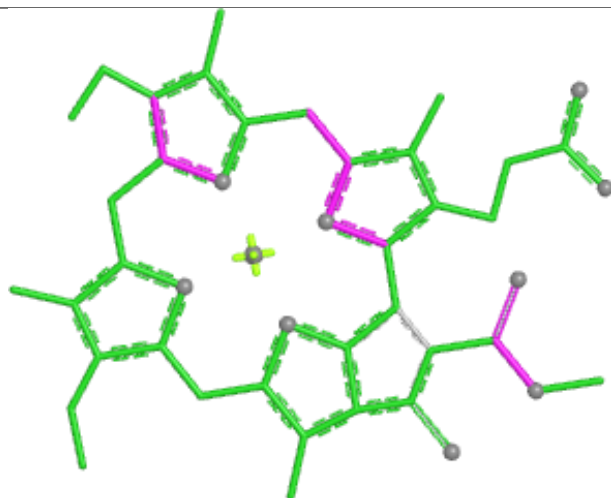
Ligand CLA e 517



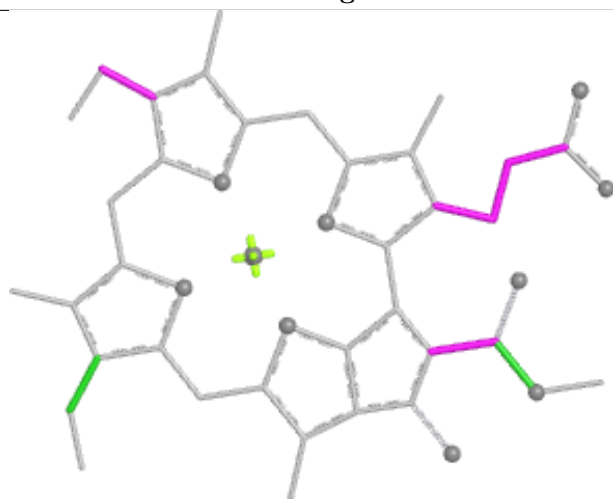
Ligand CLA h 501



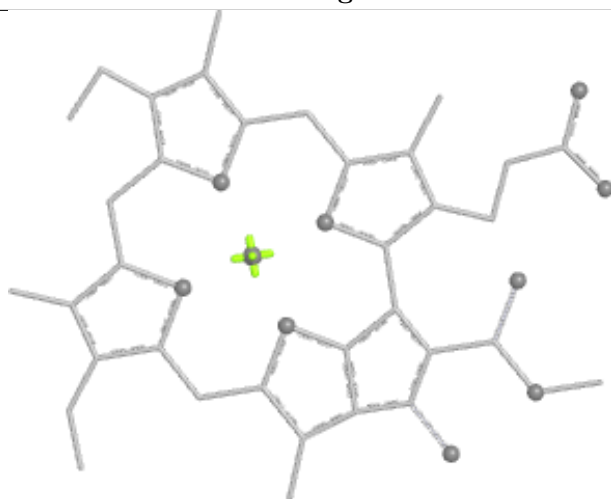
Bond lengths



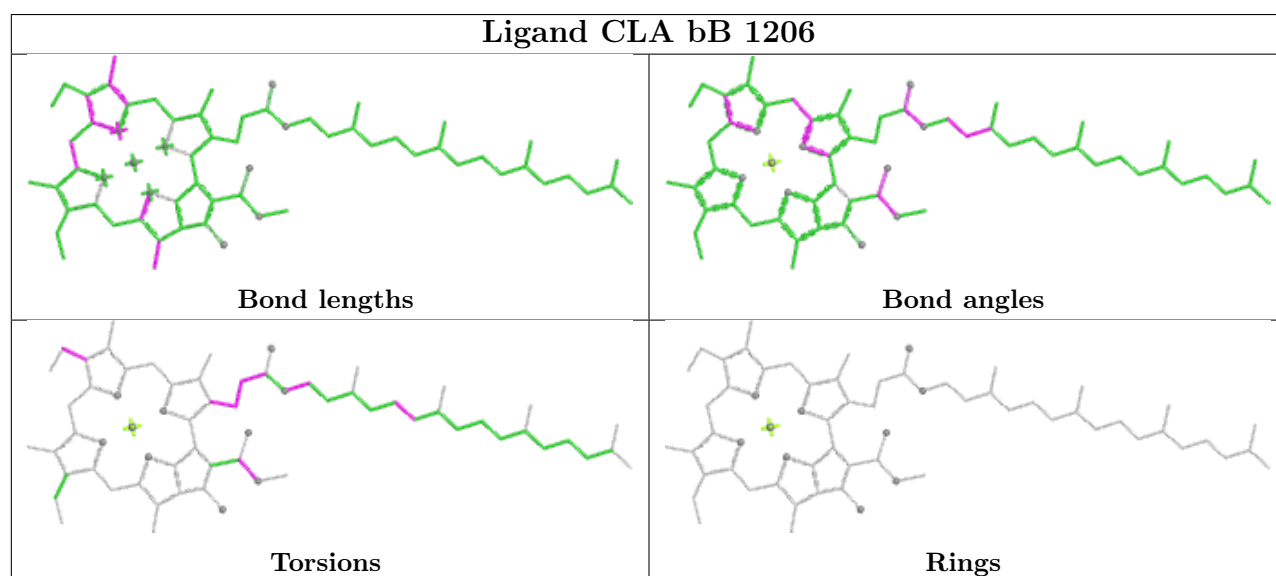
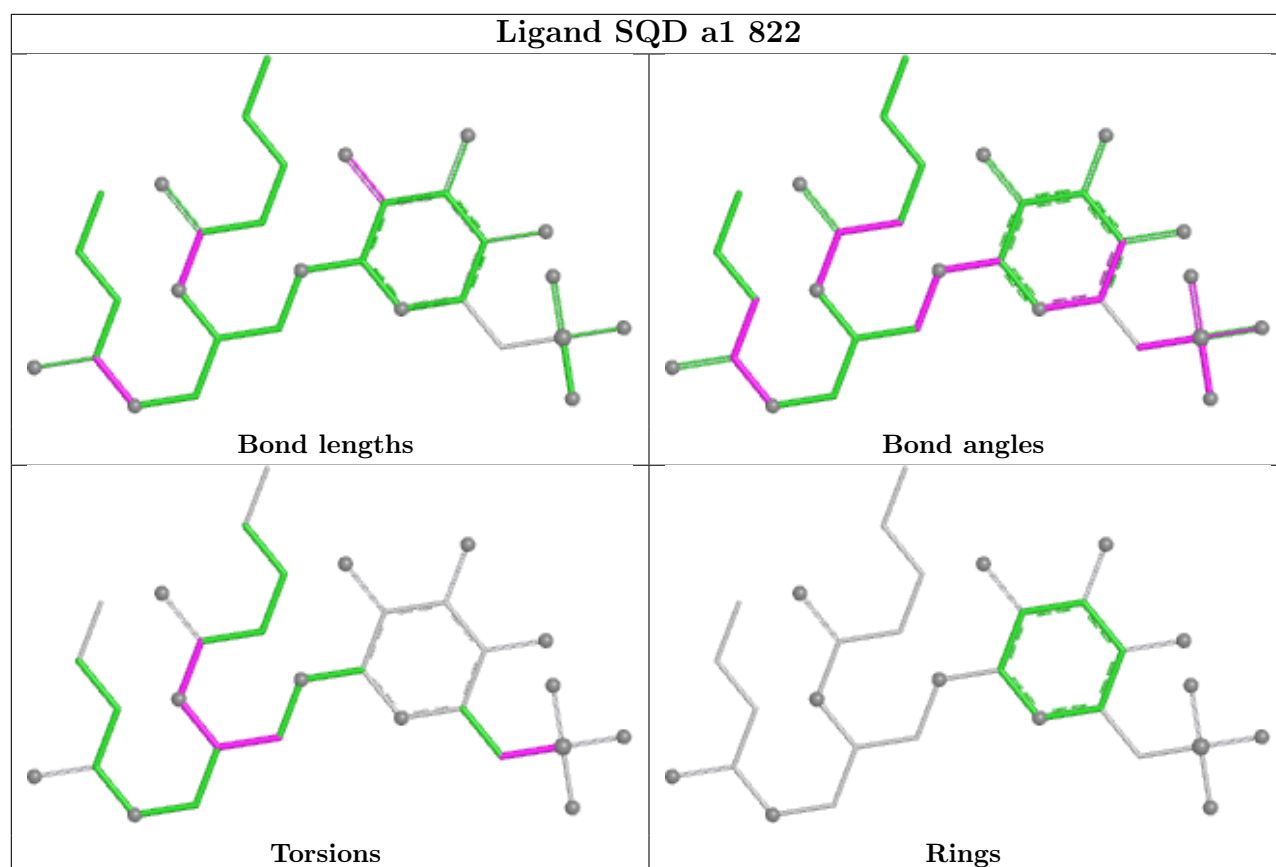
Bond angles

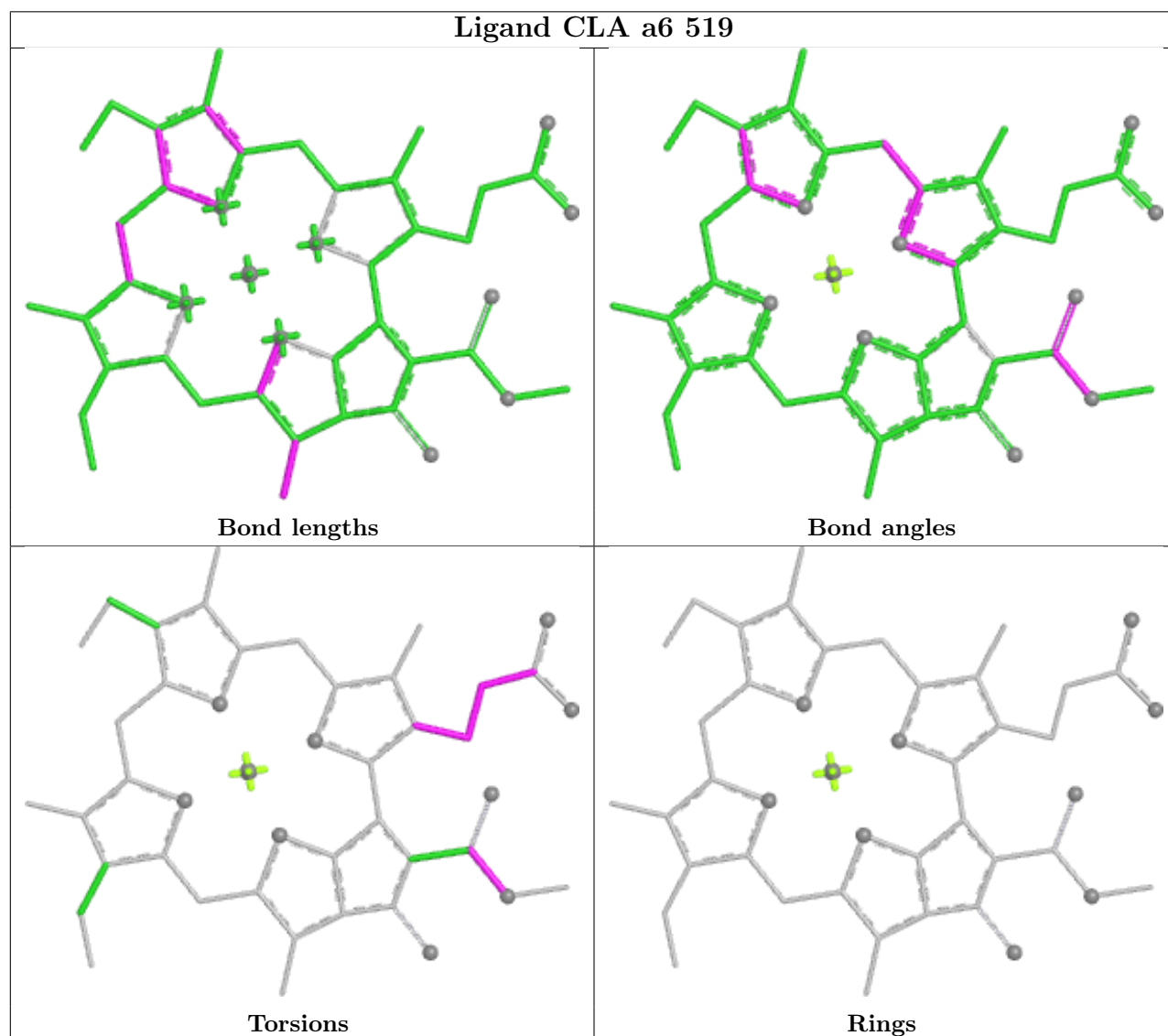
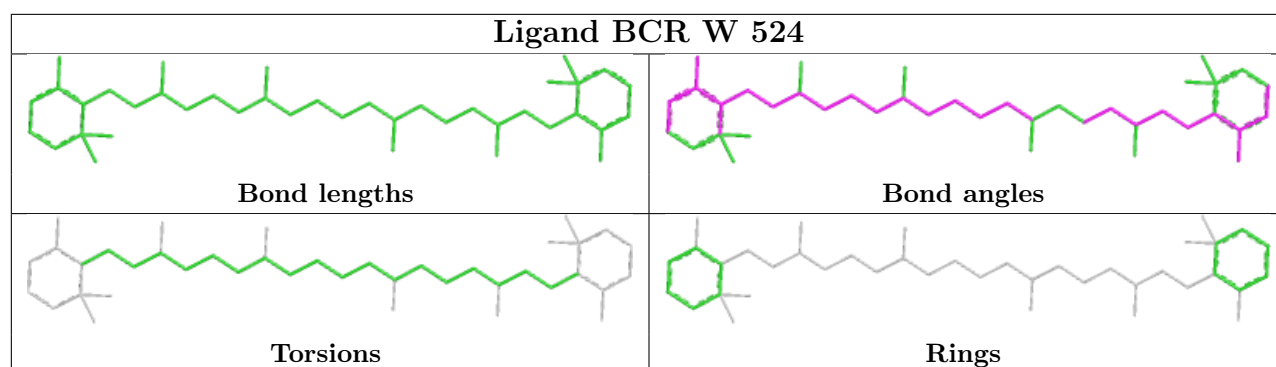


Torsions

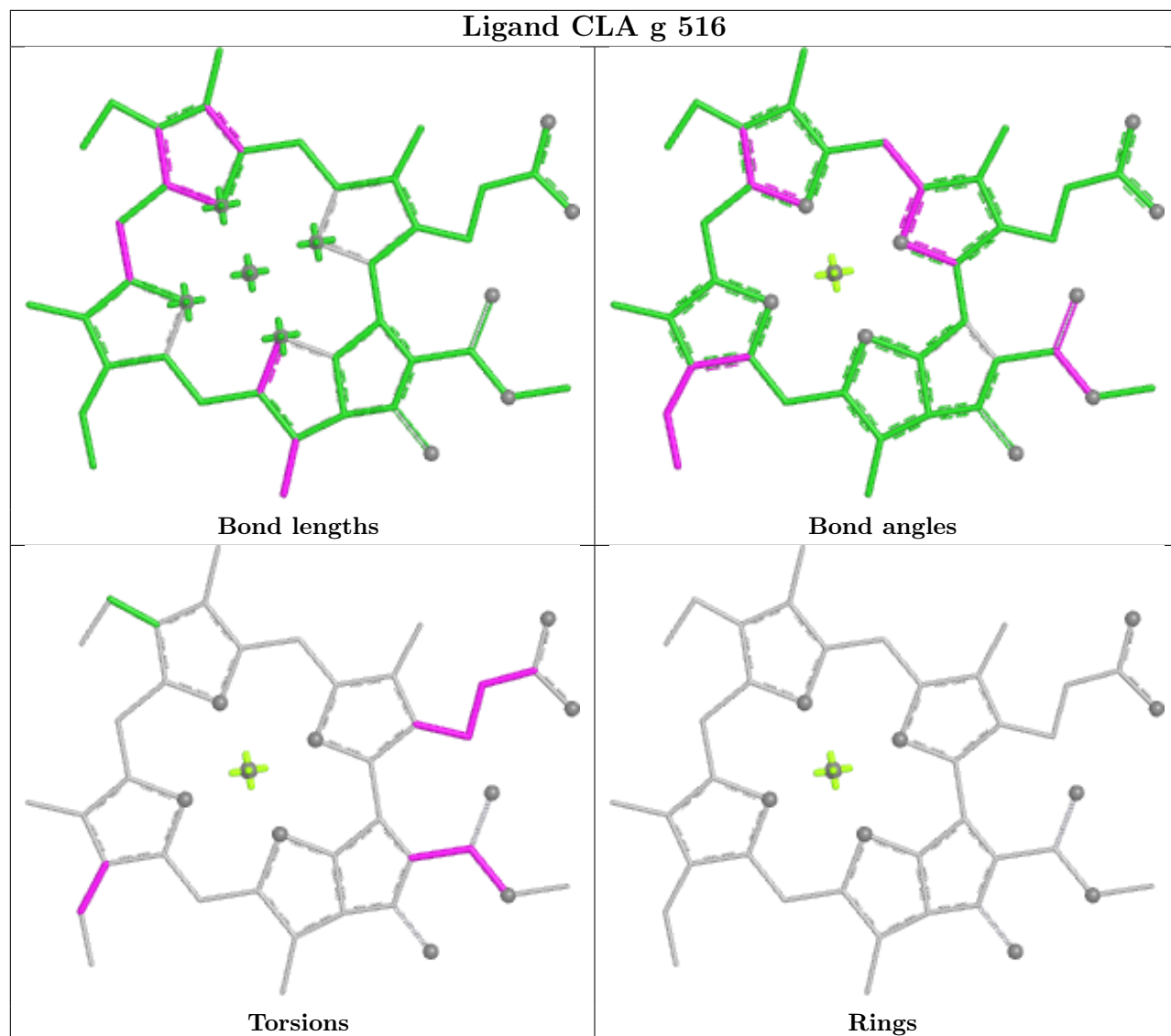


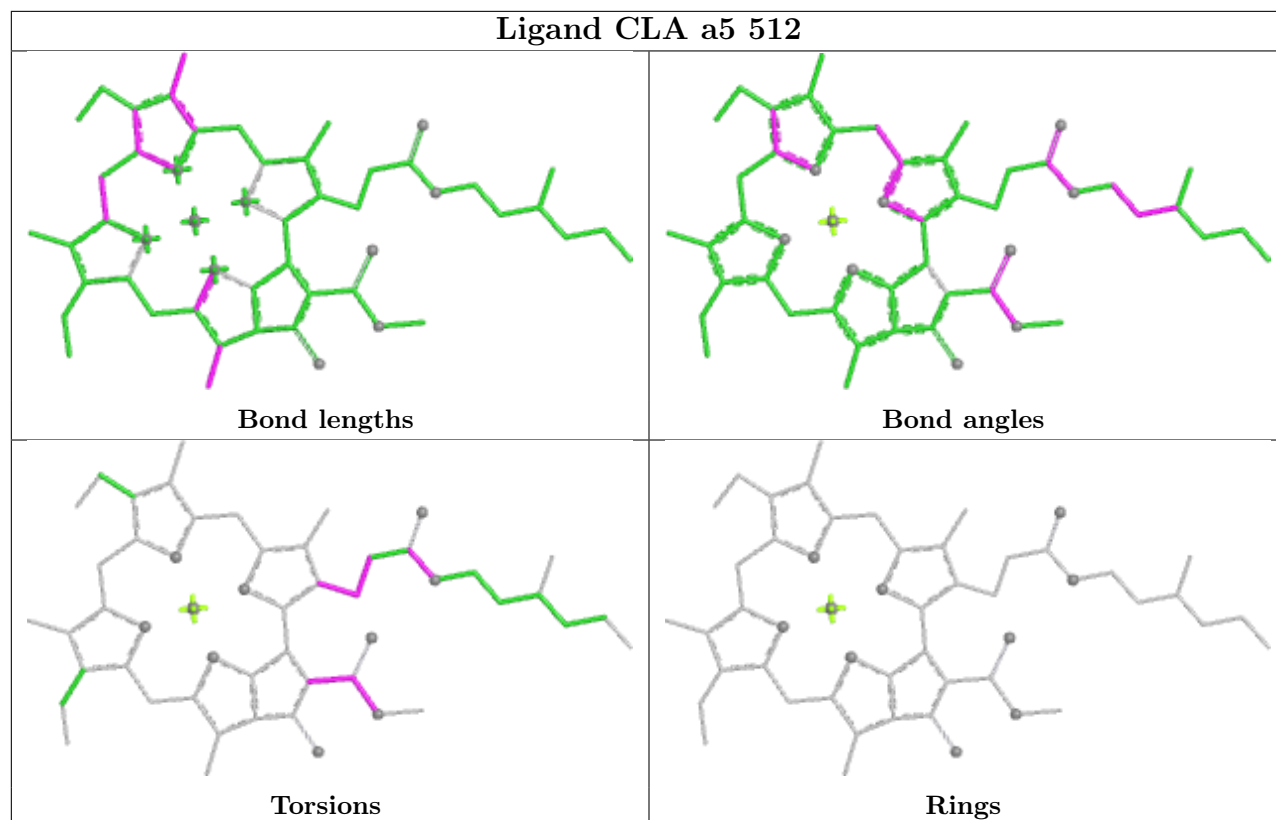
Rings

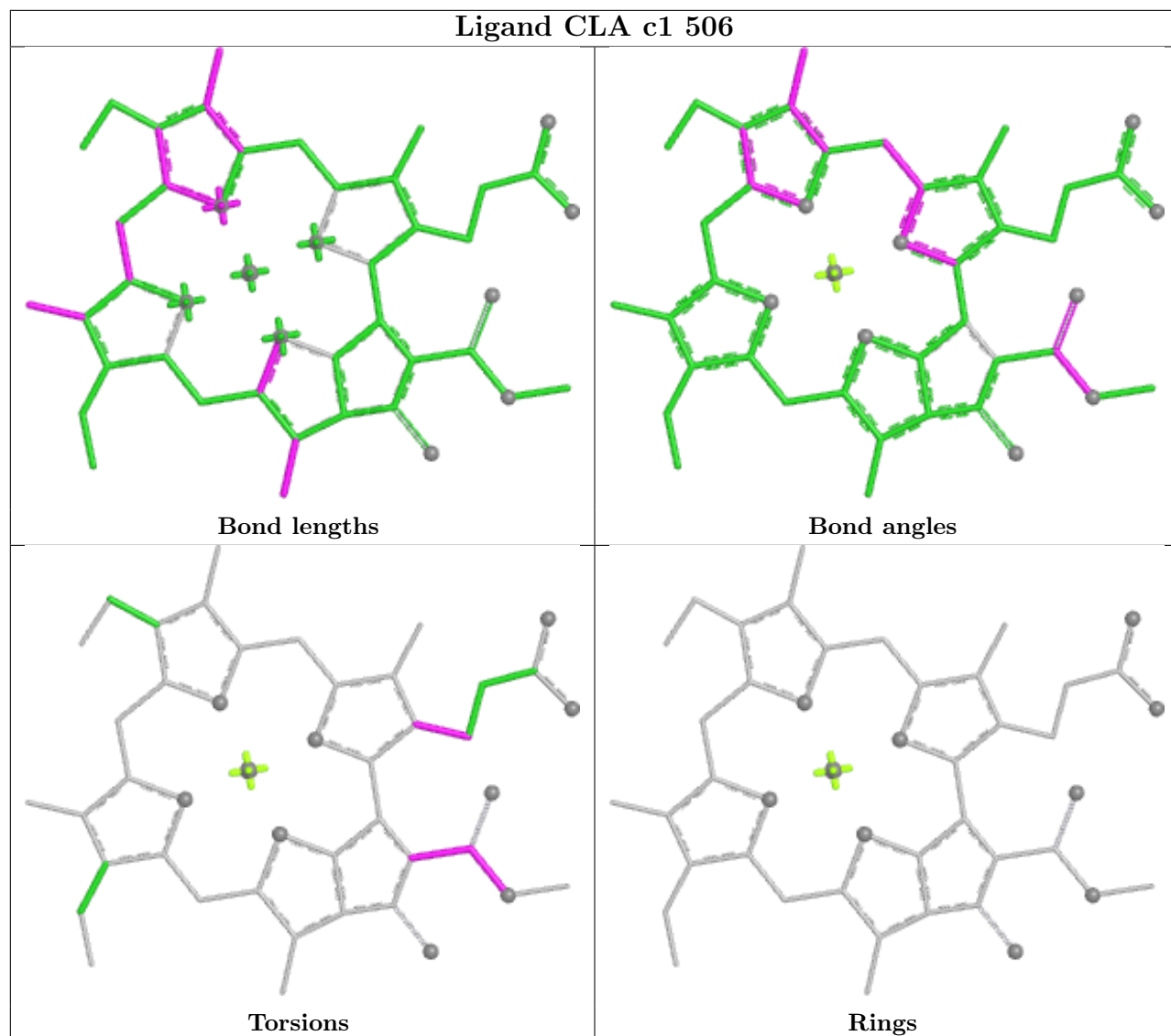




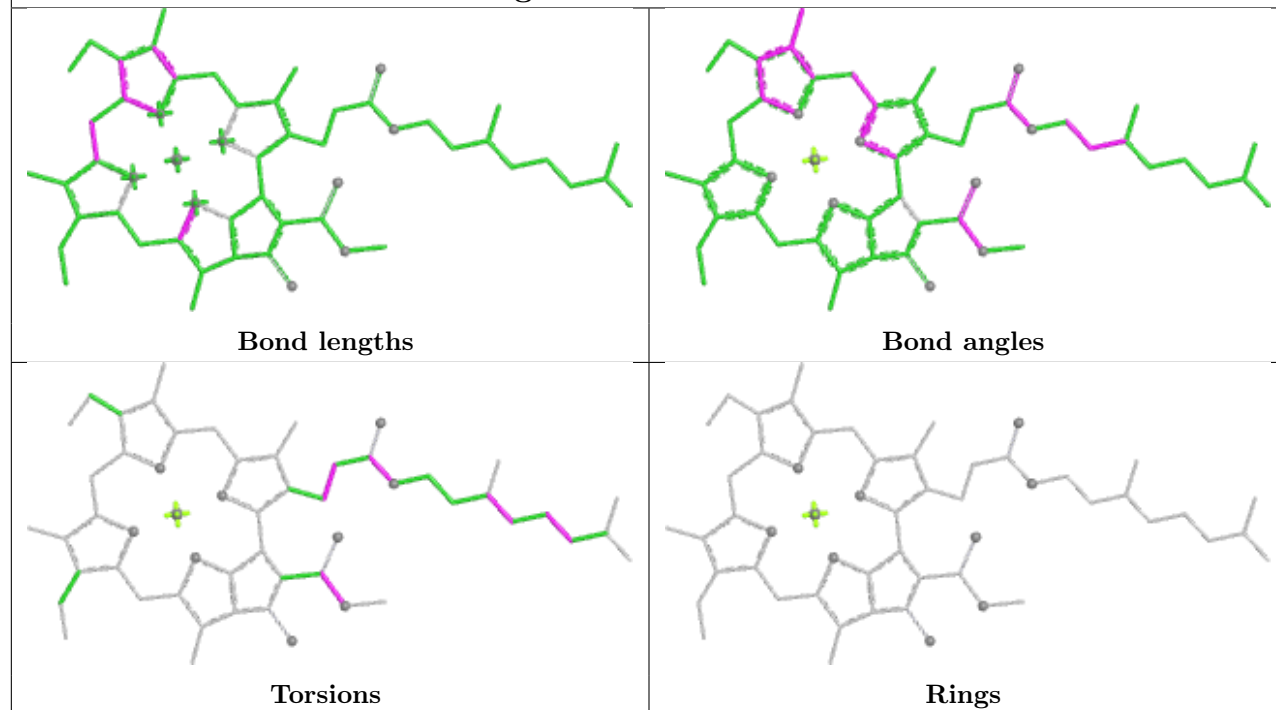
Ligand CLA g 516



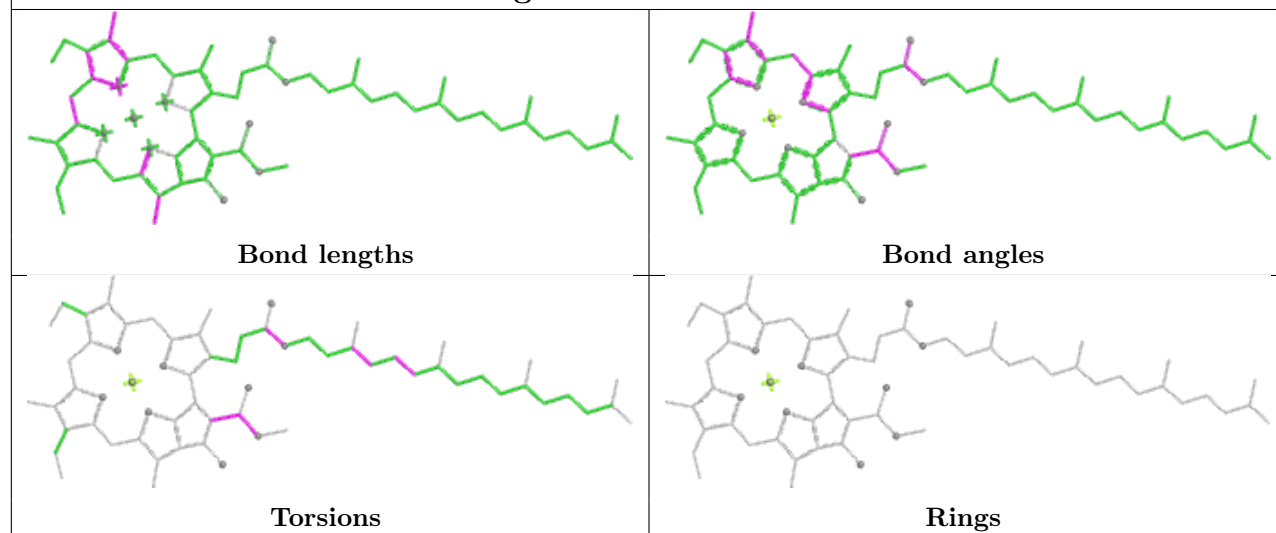


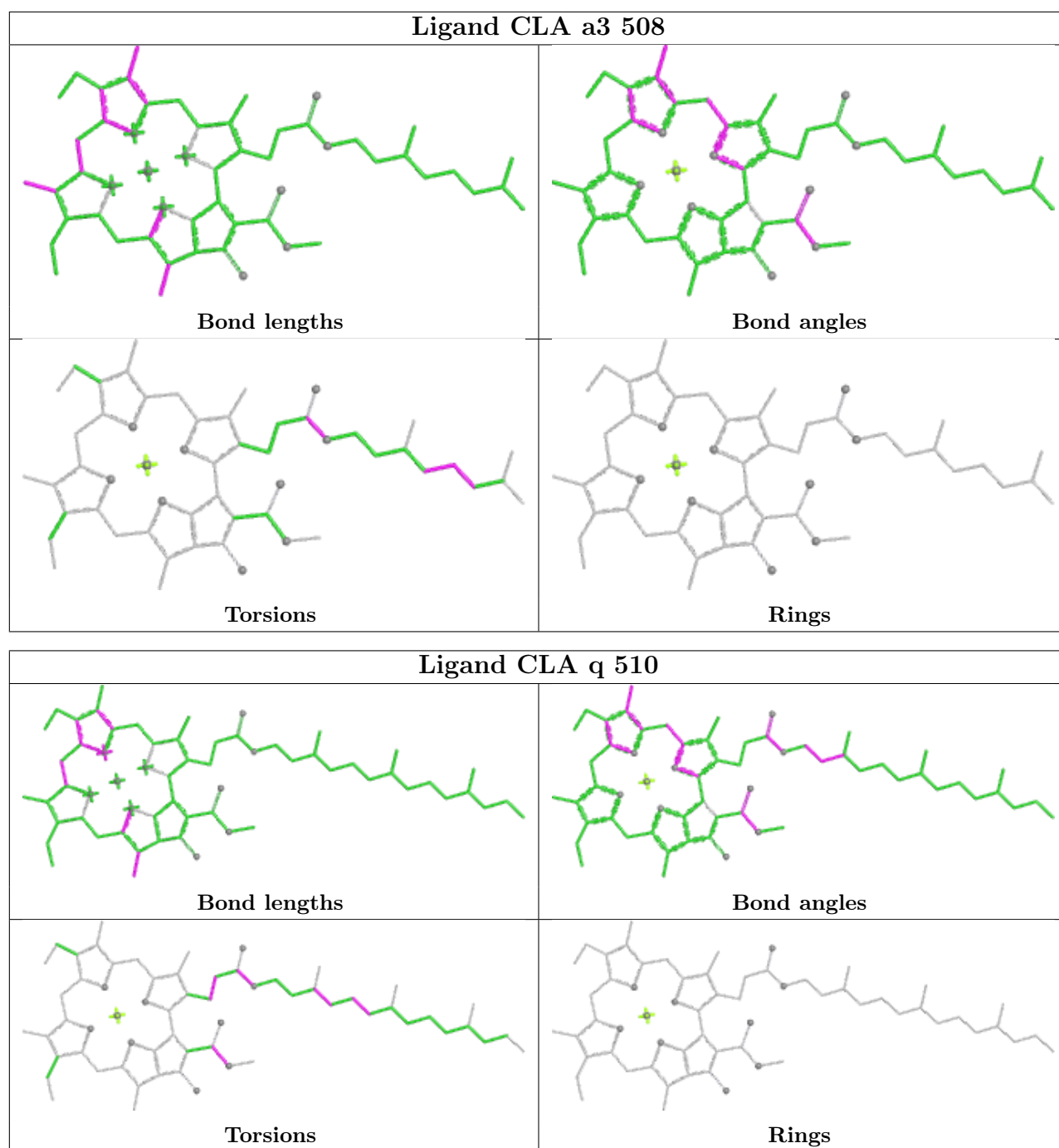


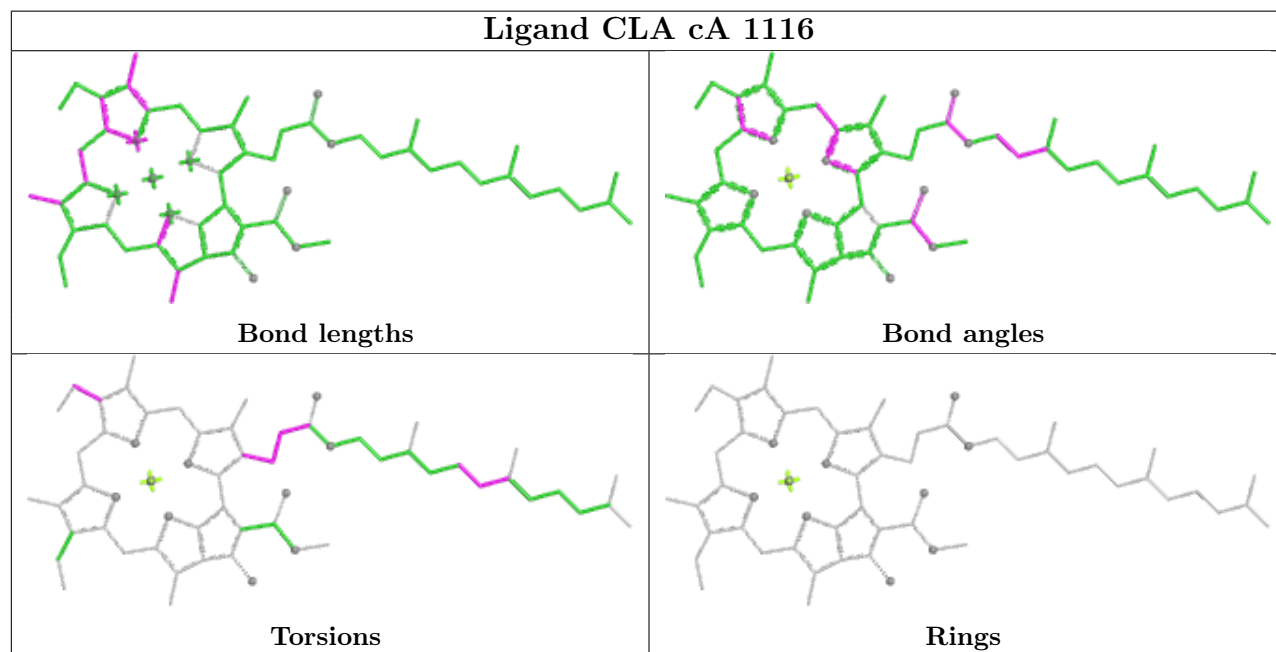
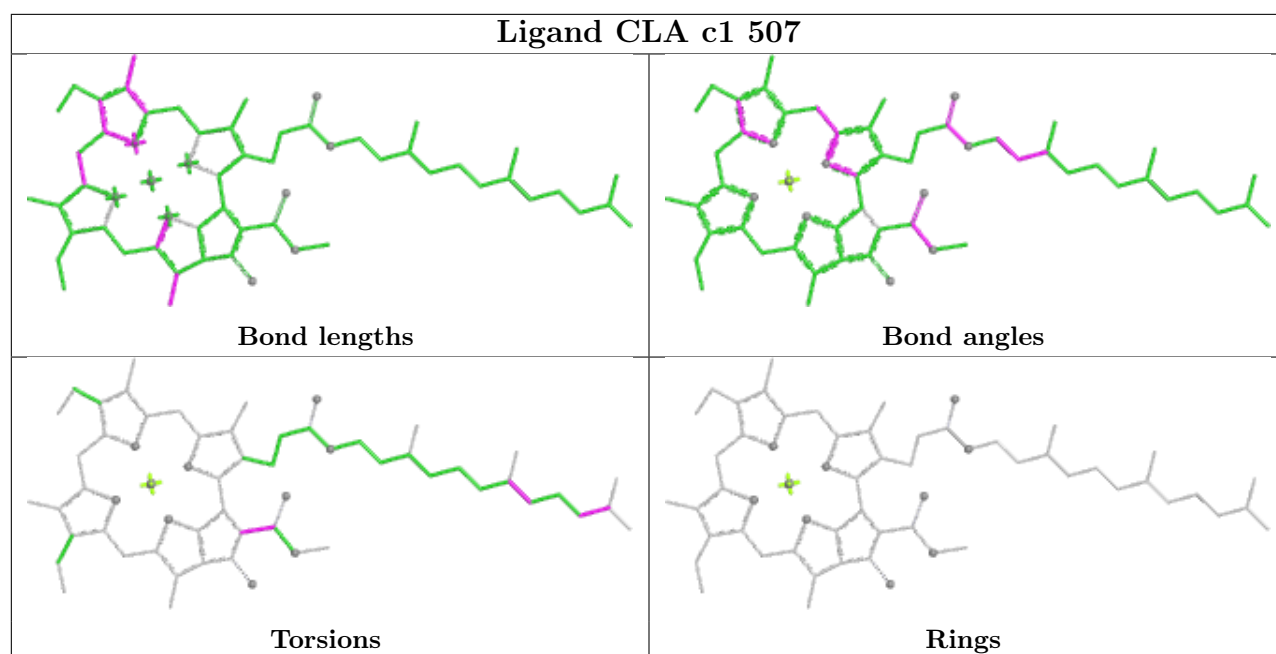
Ligand CLA aB 1219



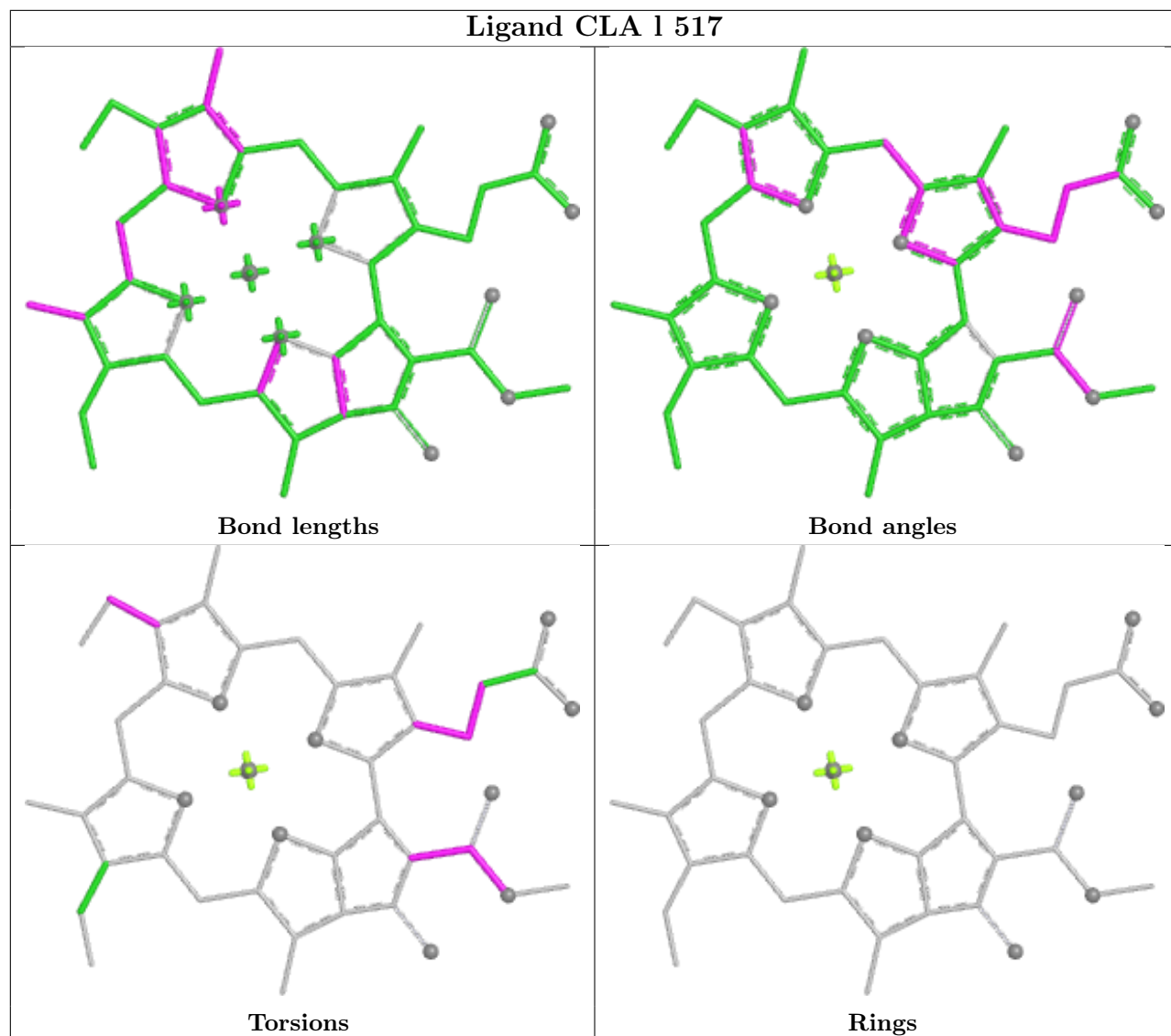
Ligand CLA aA 1128

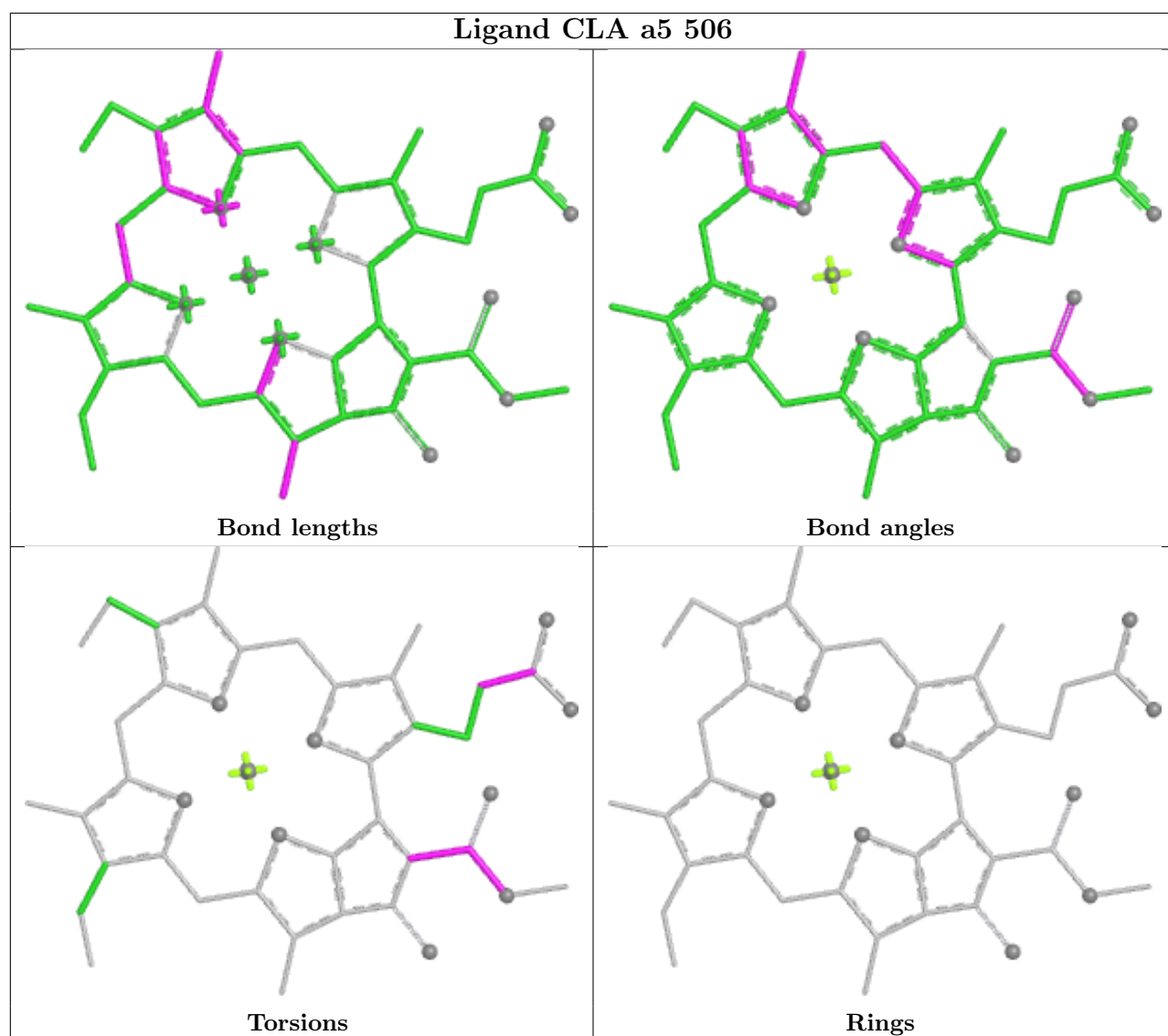


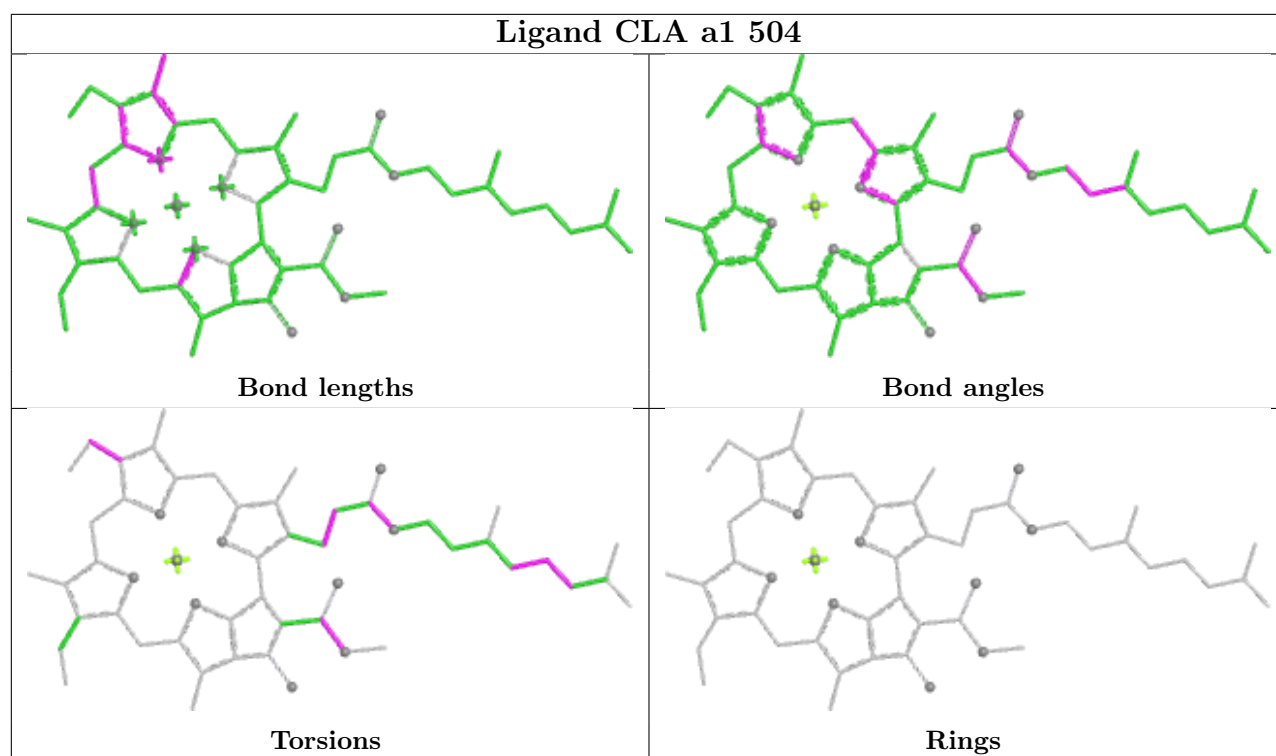




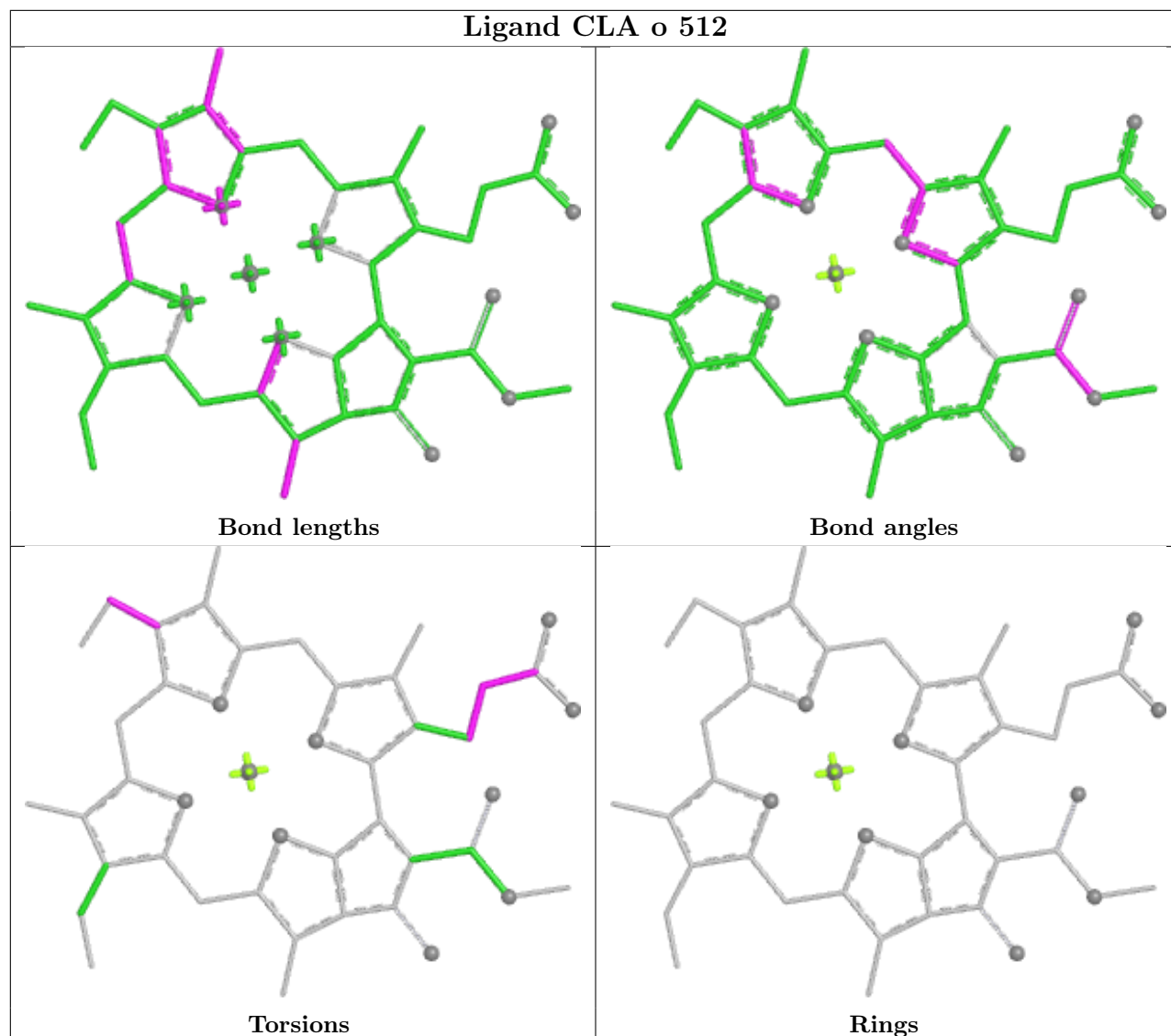
Ligand CLA 1 517



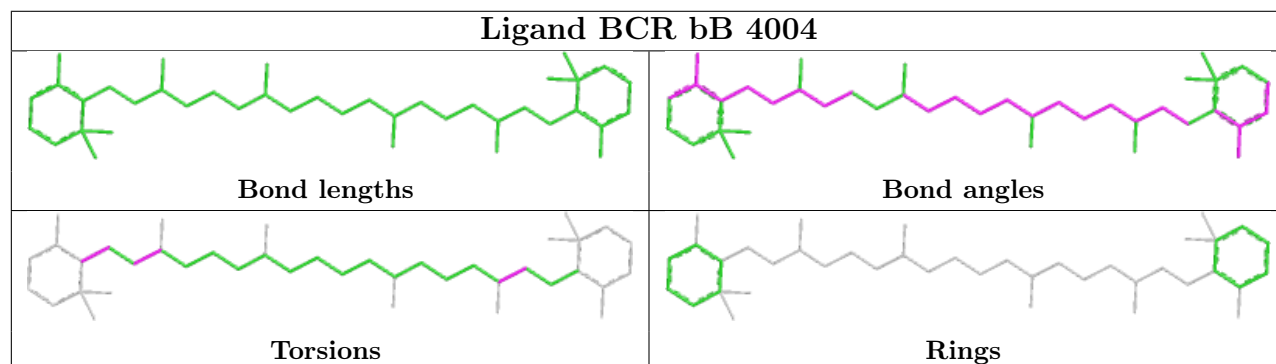


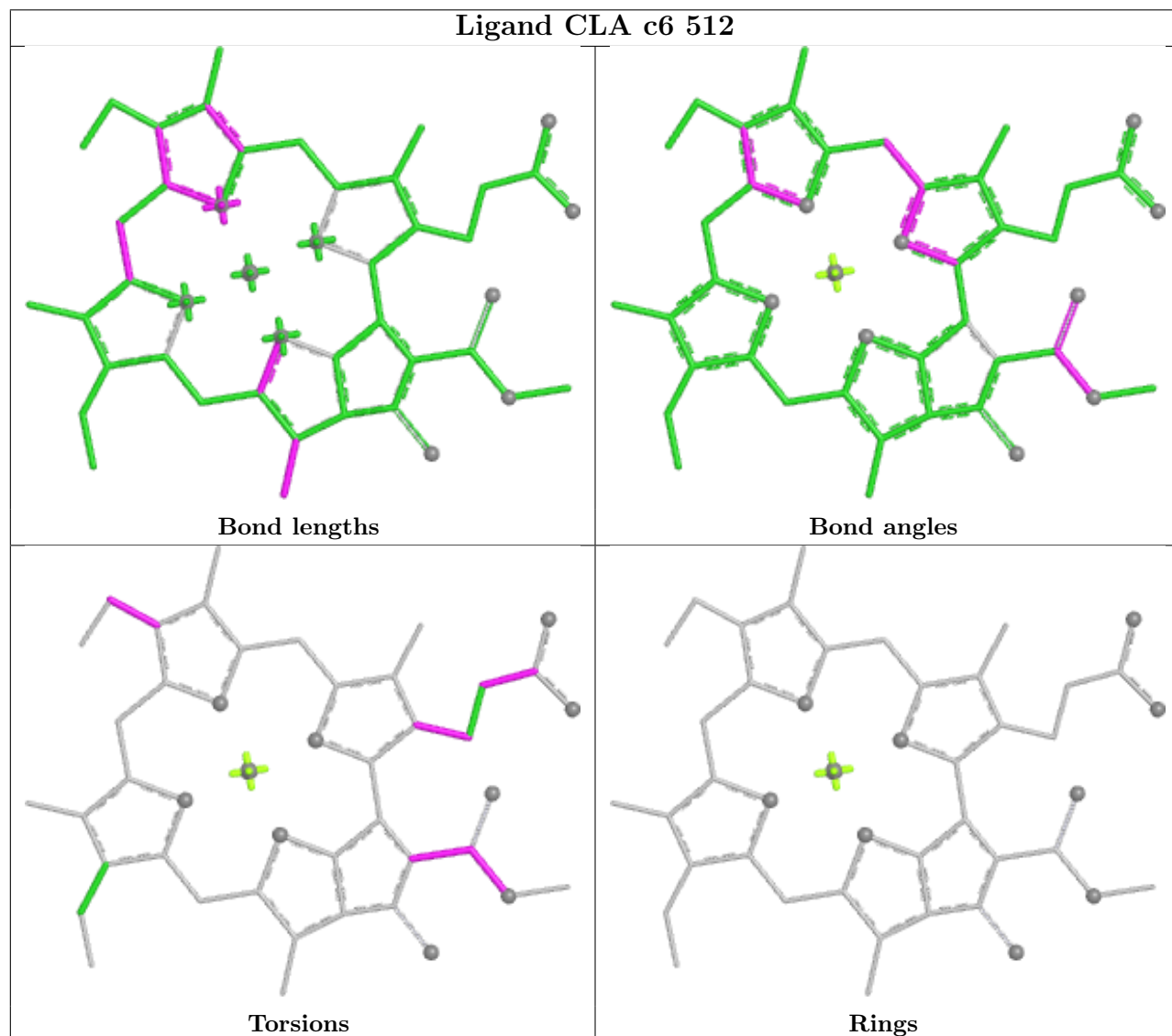
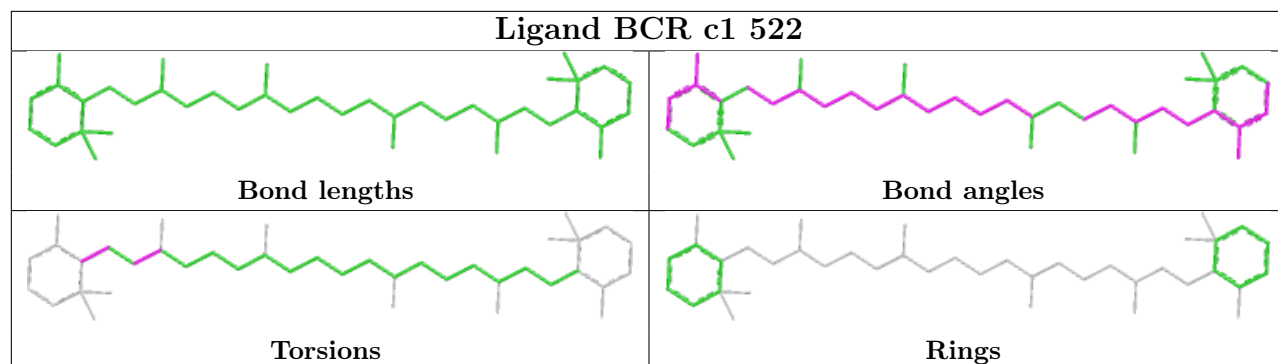


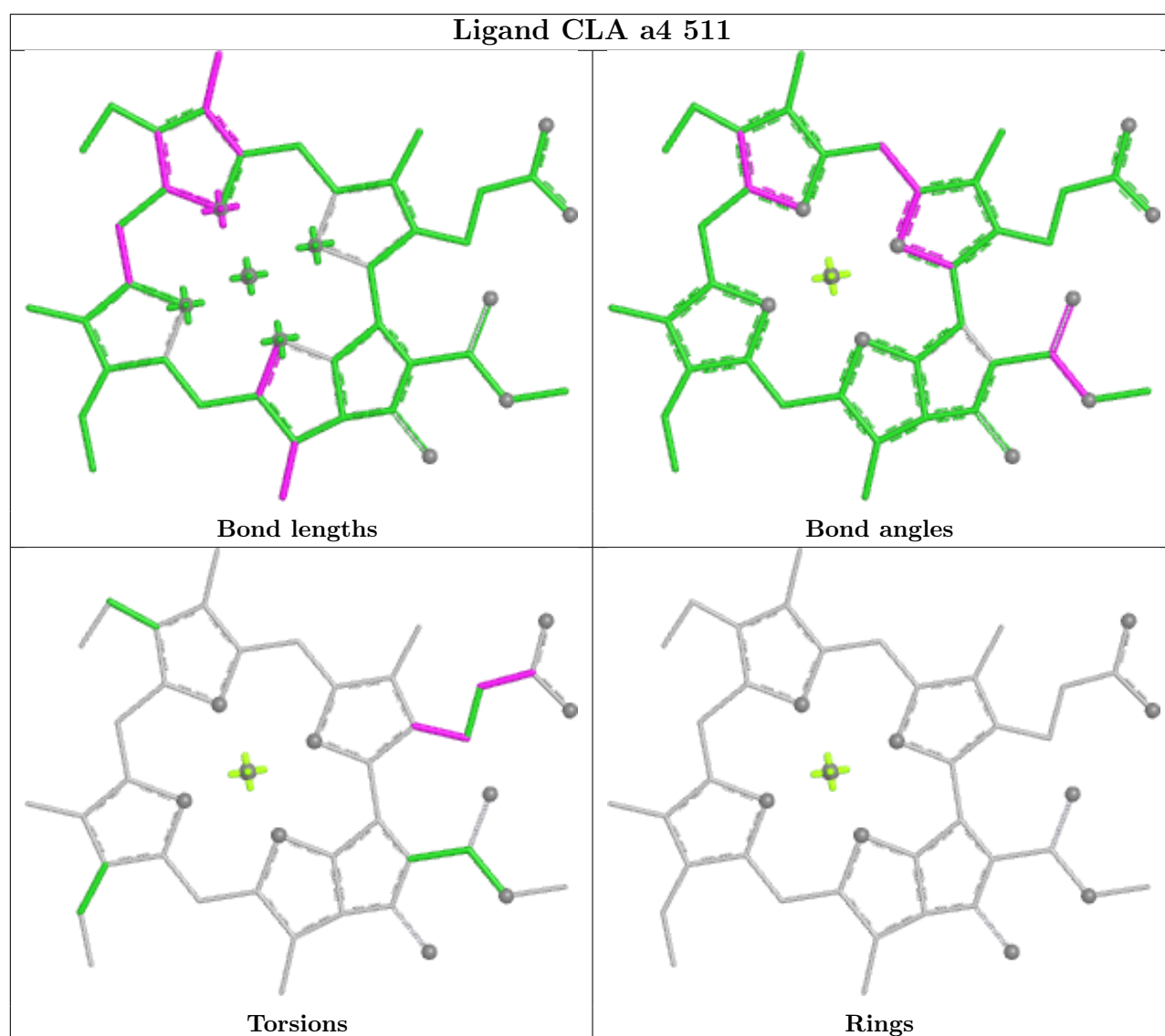
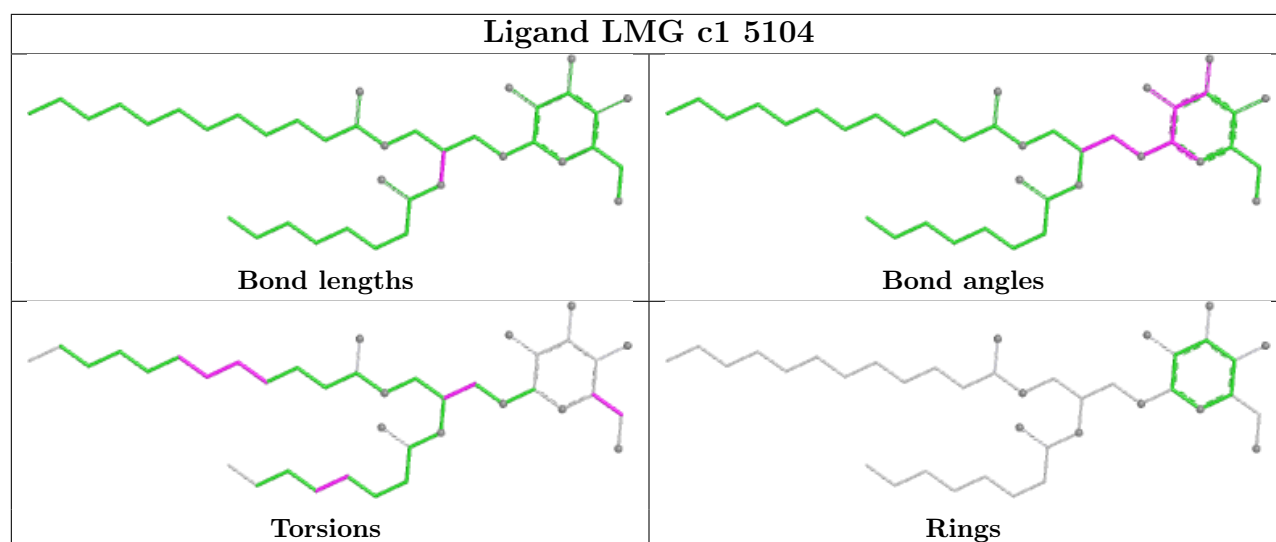
Ligand CLA o 512

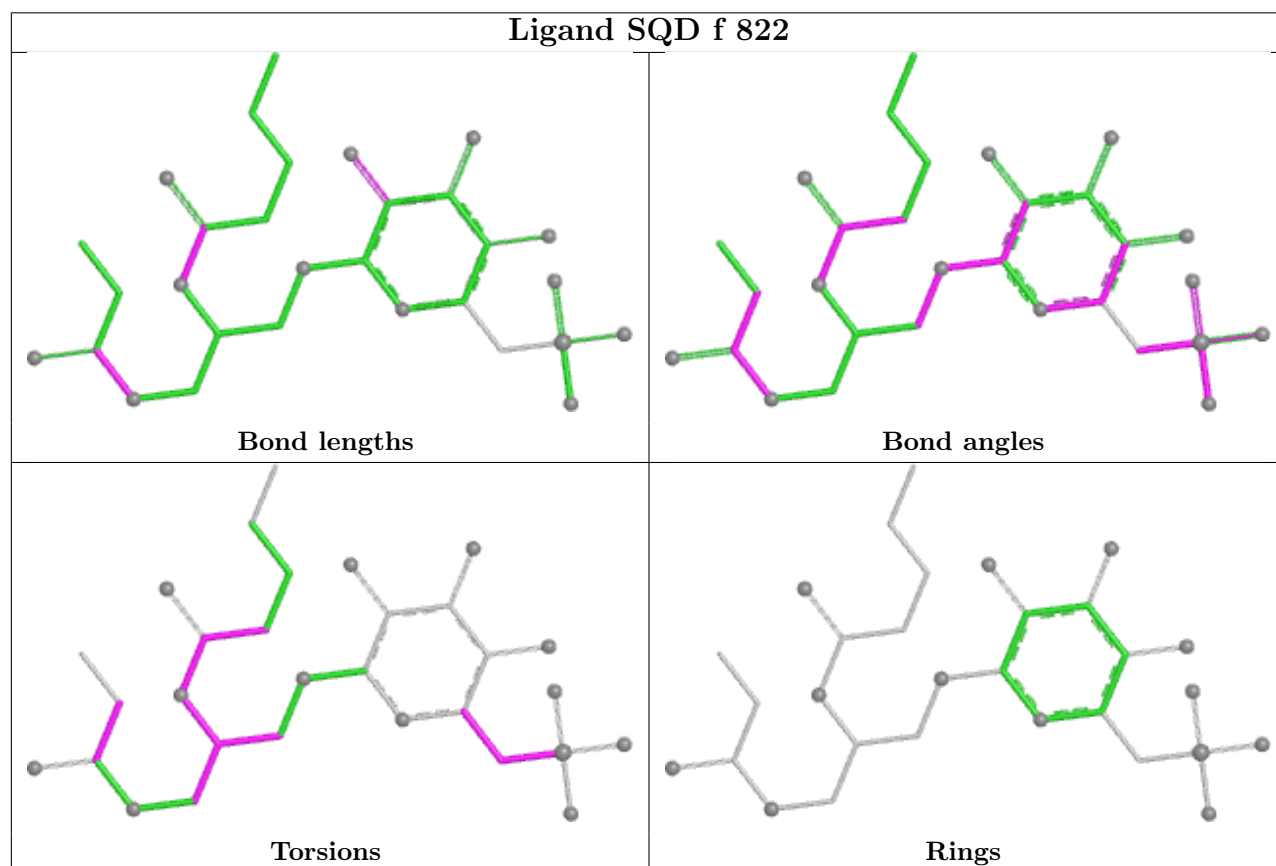
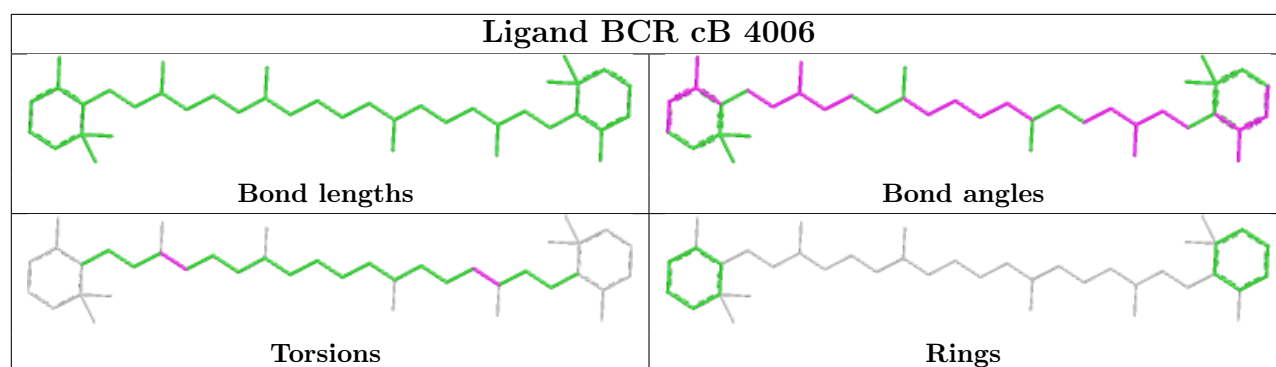


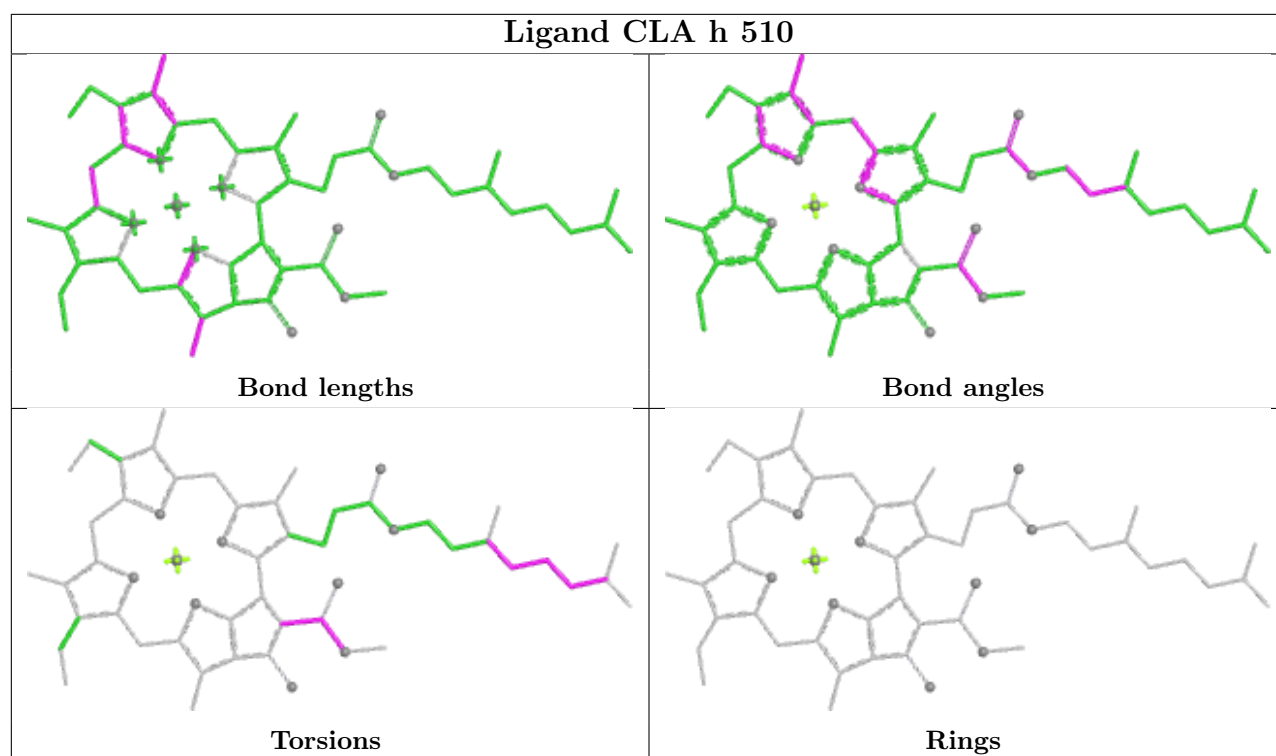
Ligand BCR bB 4004



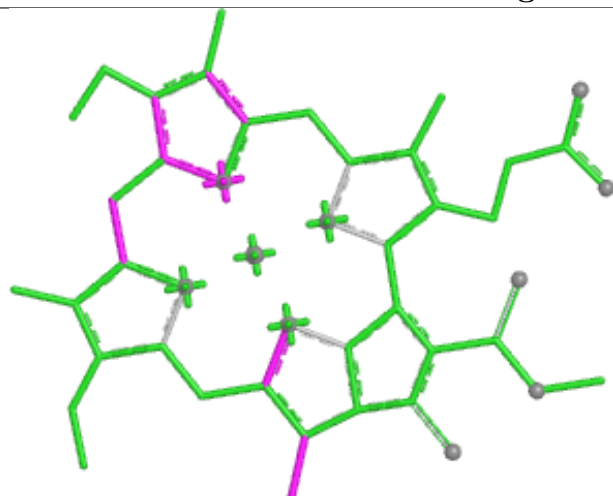








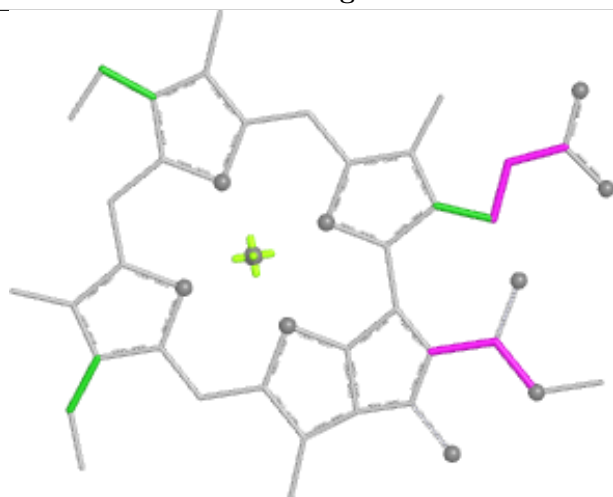
Ligand CLA k 518



Bond lengths



Bond angles

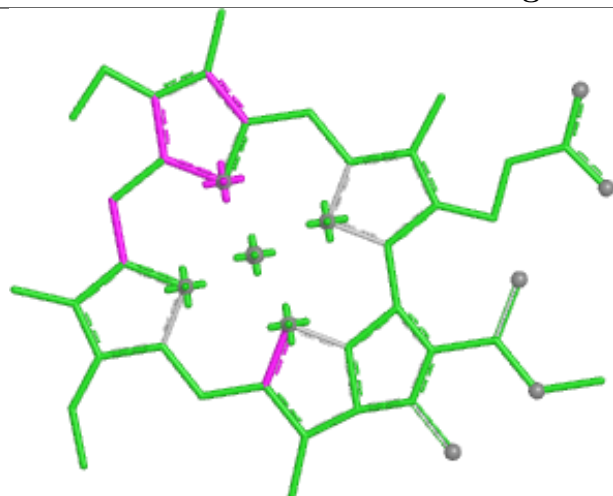


Torsions



Rings

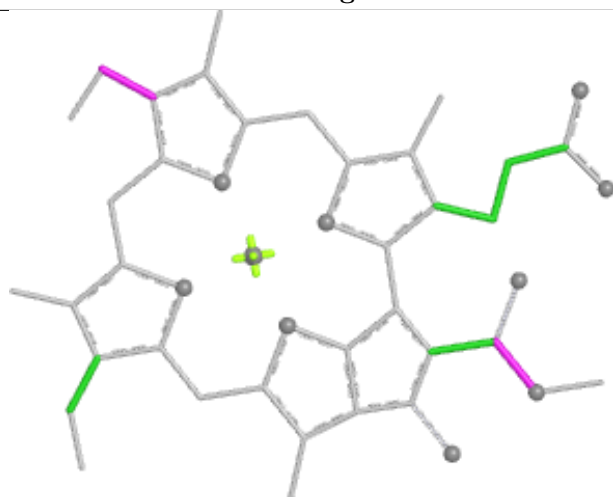
Ligand CLA i 503



Bond lengths



Bond angles

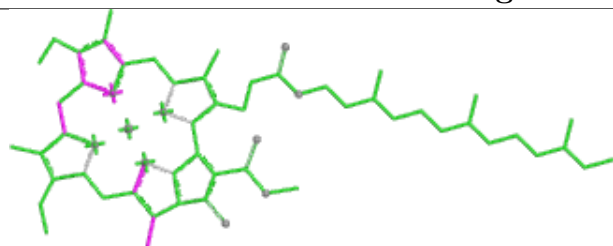


Torsions

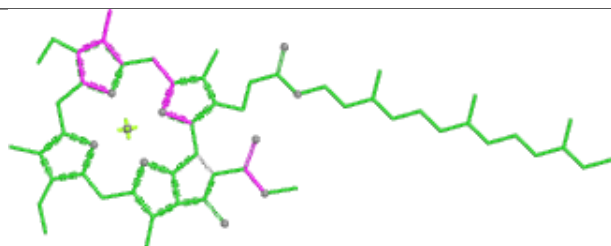


Rings

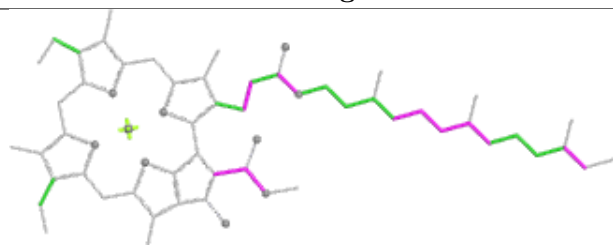
Ligand CLA bB 1012



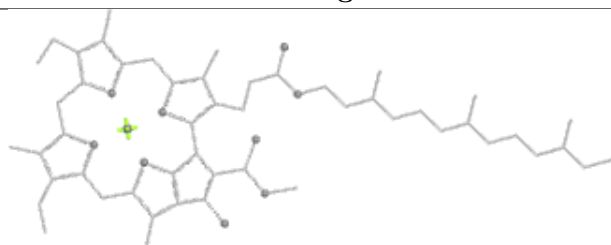
Bond lengths



Bond angles

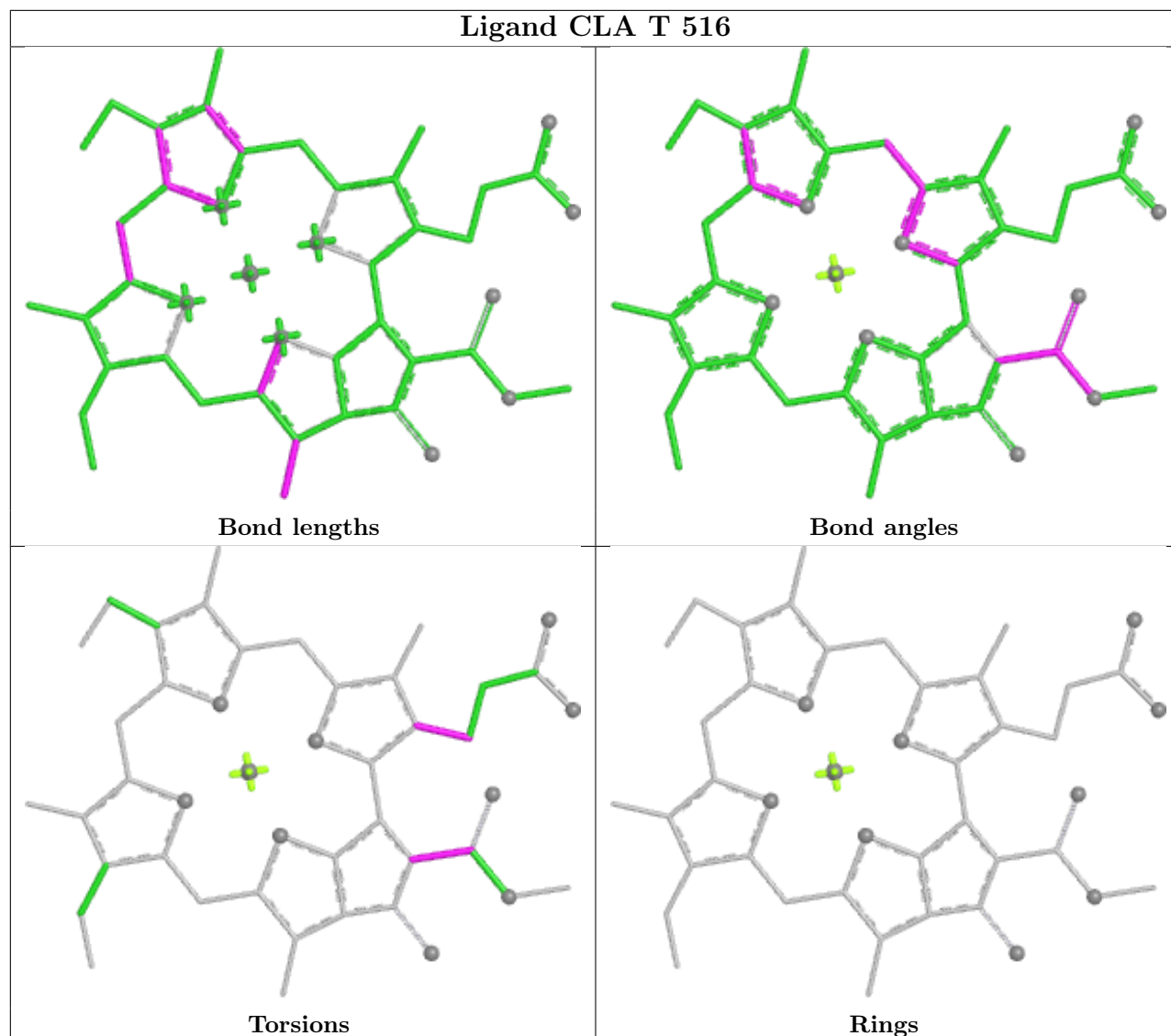


Torsions

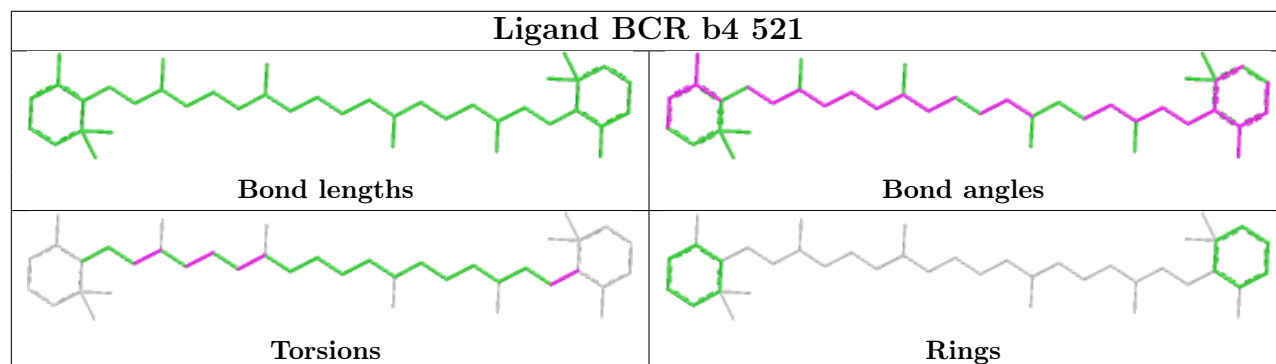


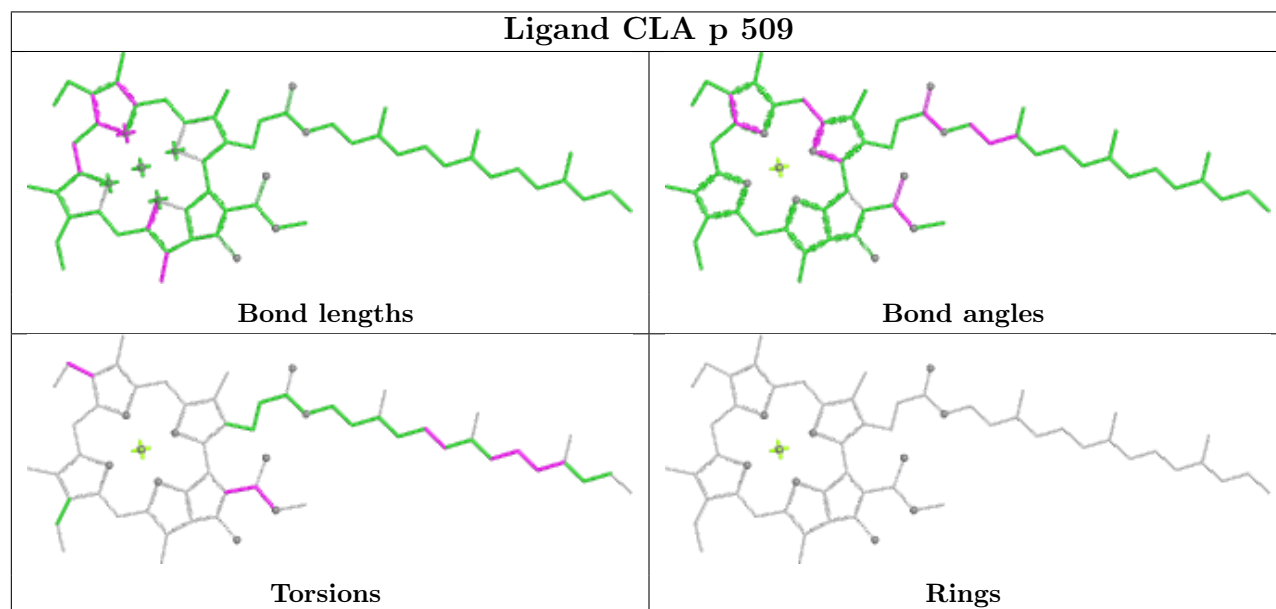
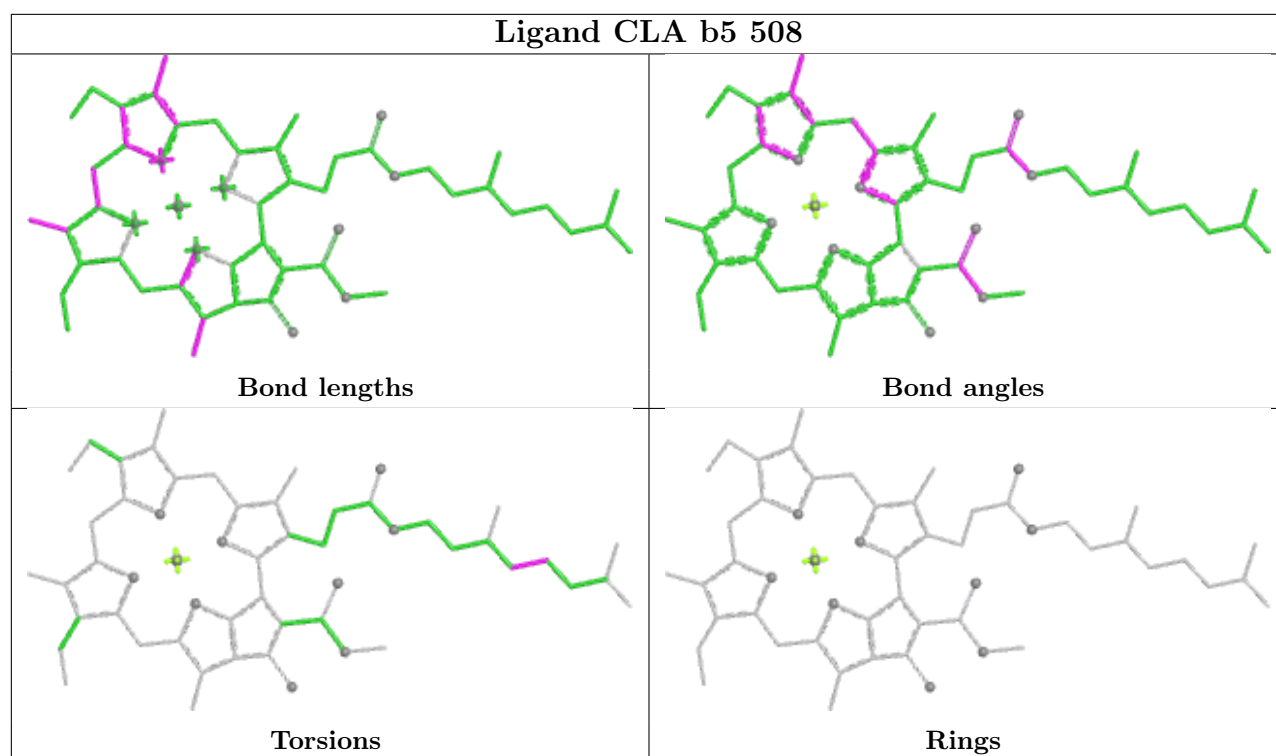
Rings

Ligand CLA T 516

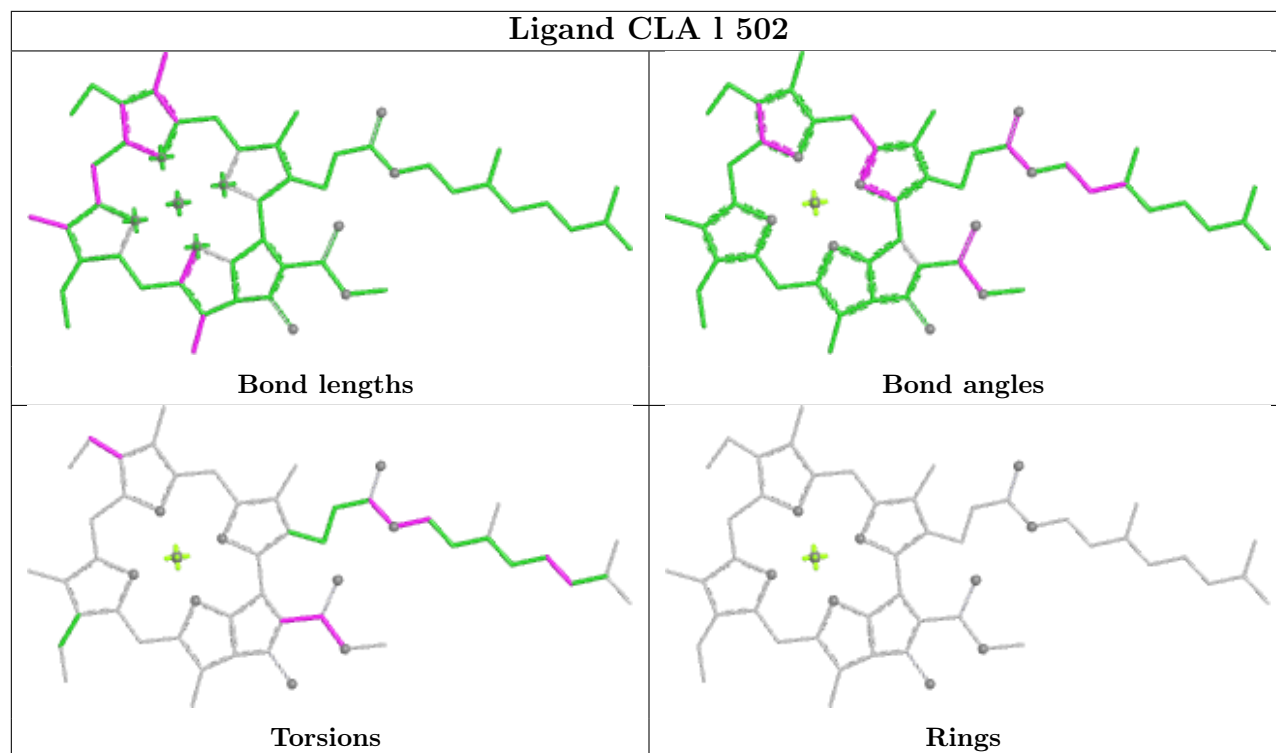


Ligand BCR b4 521

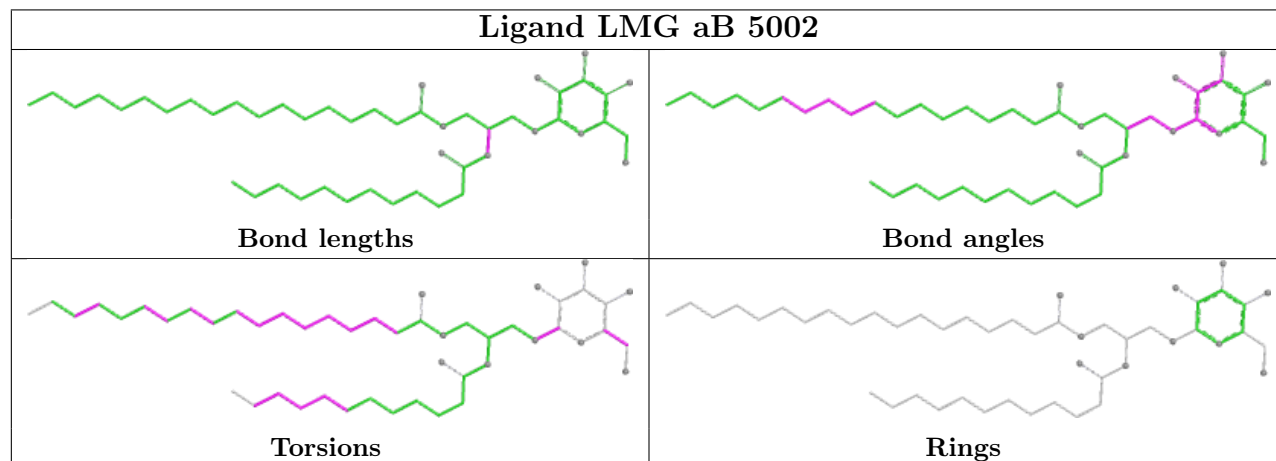




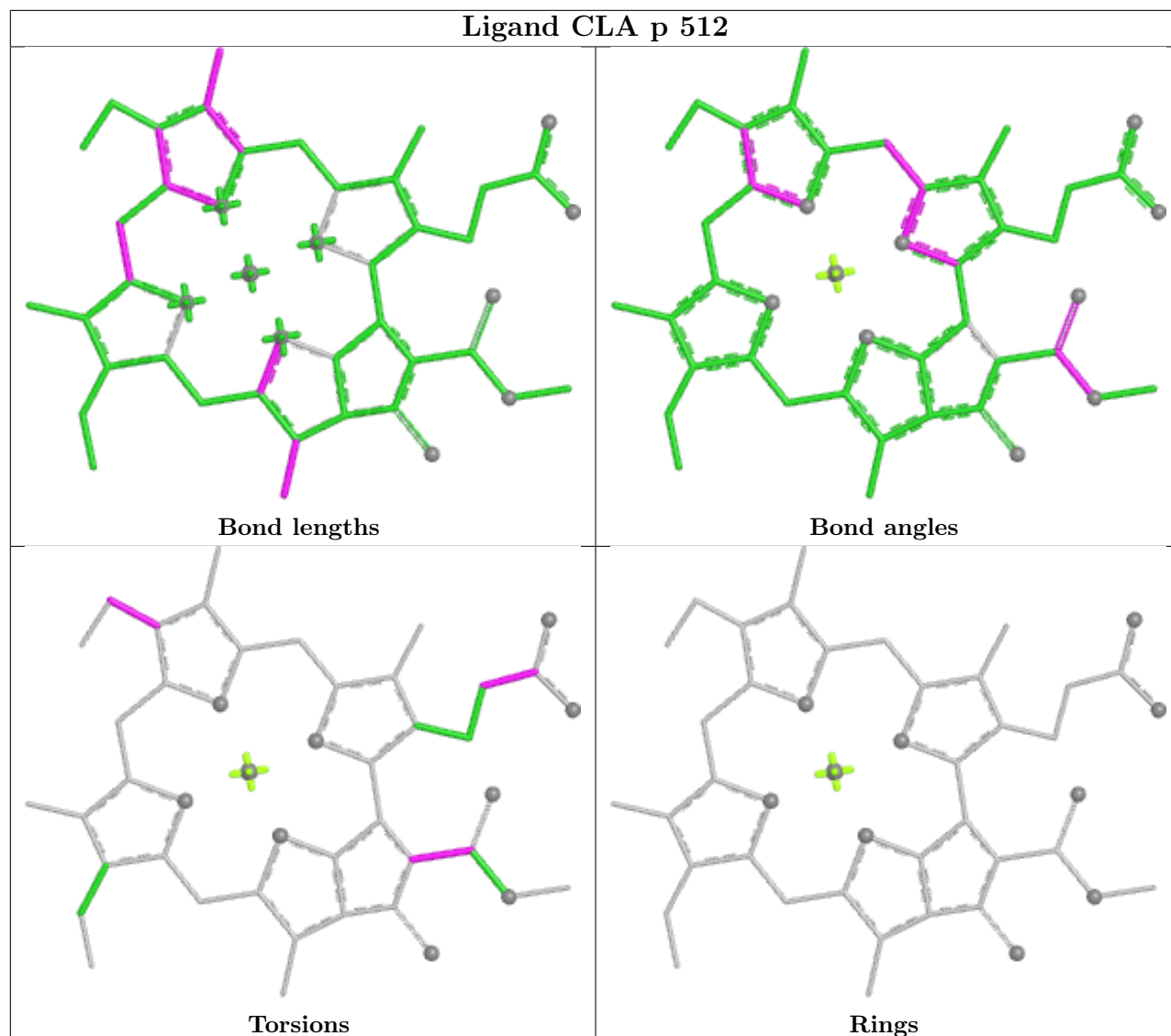
Ligand CLA 1 502



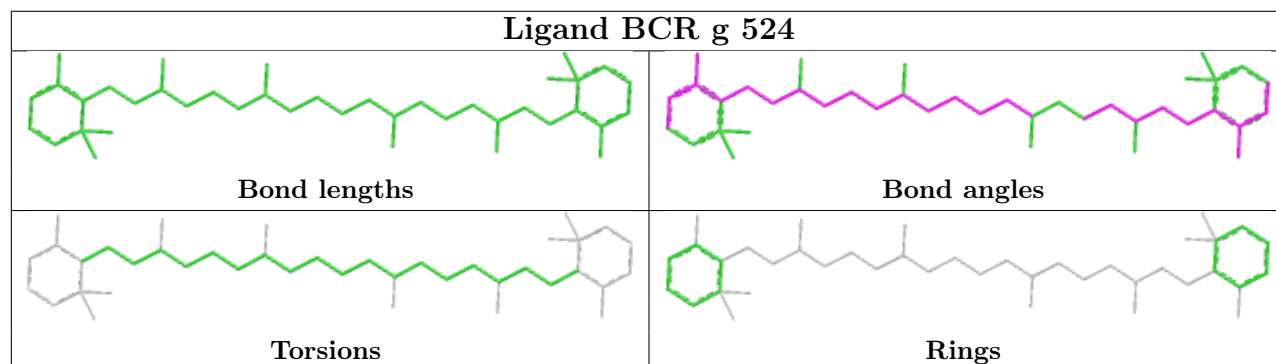
Ligand LMG aB 5002

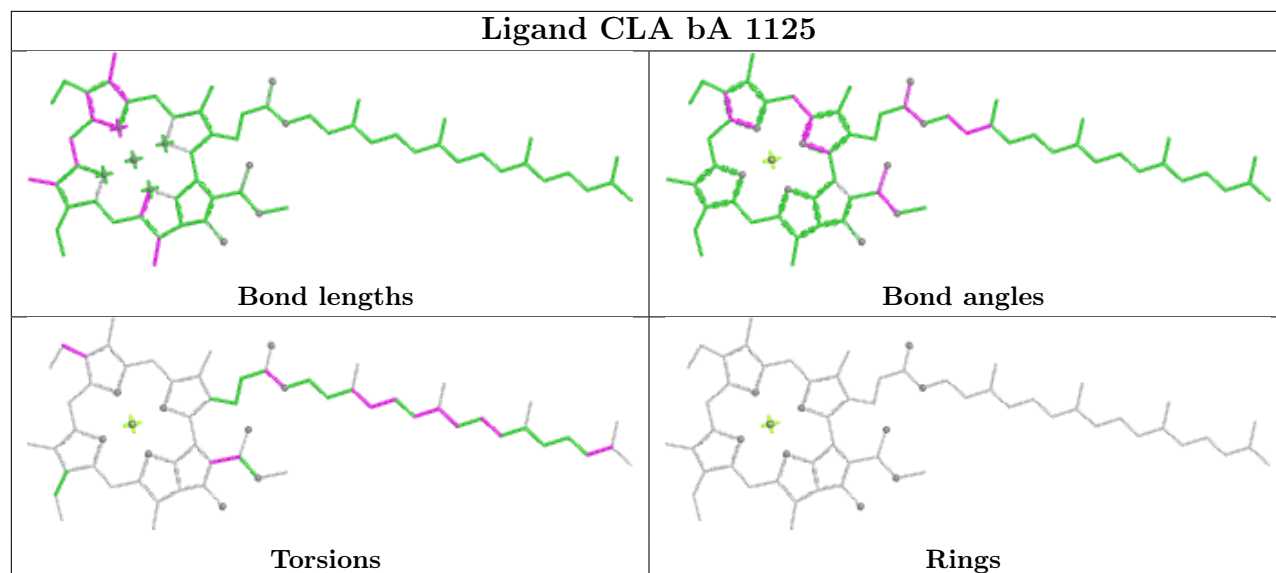
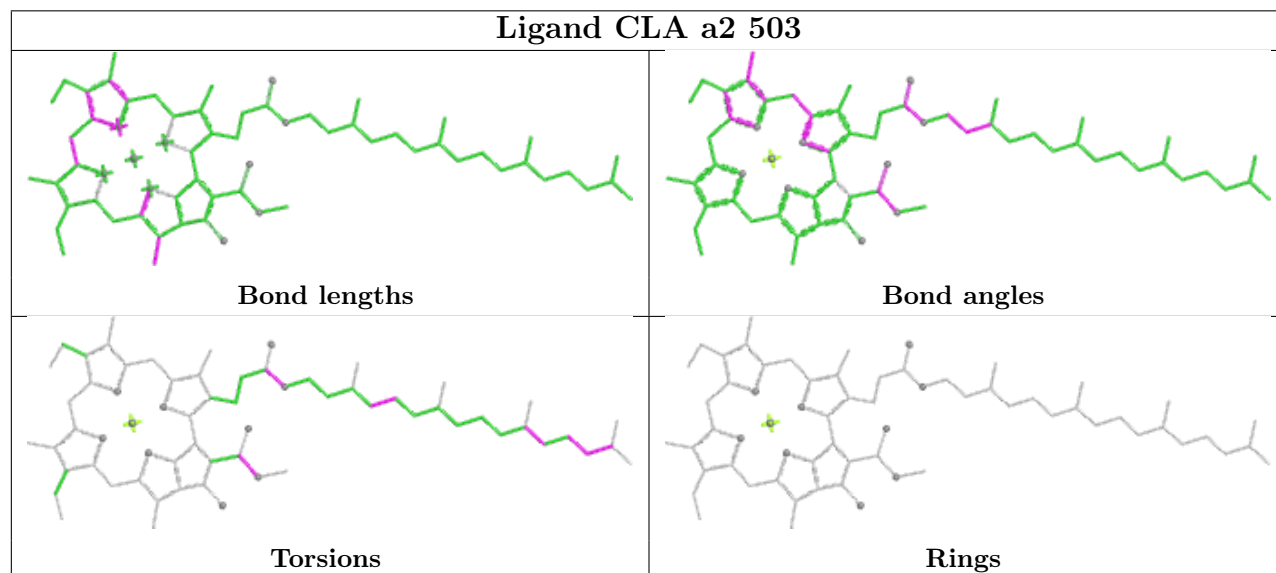
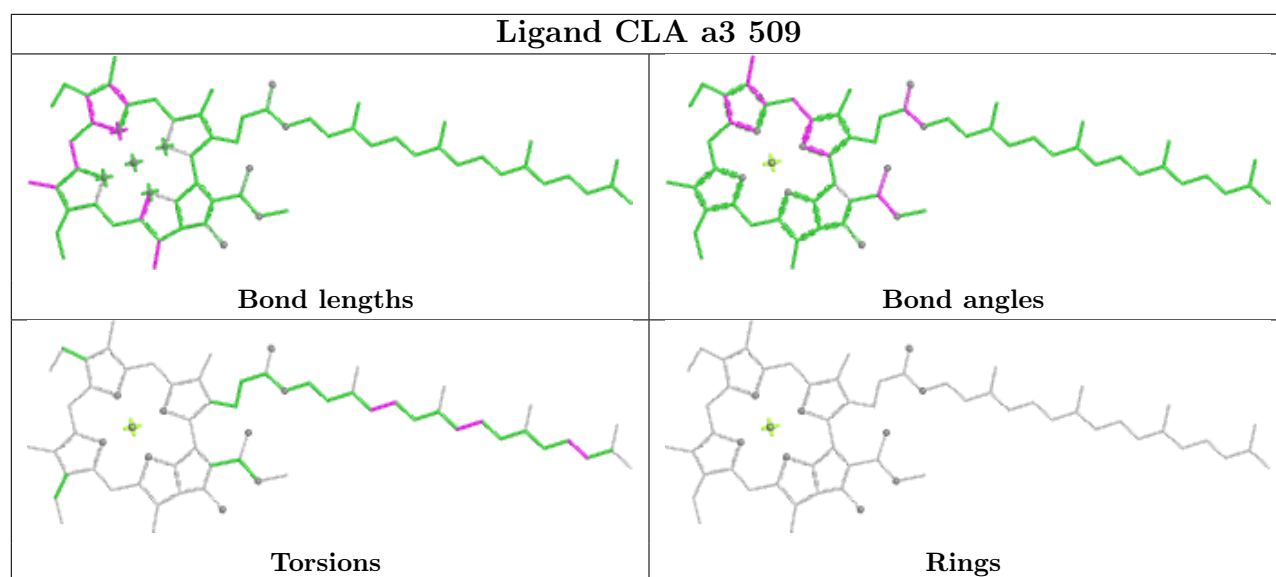


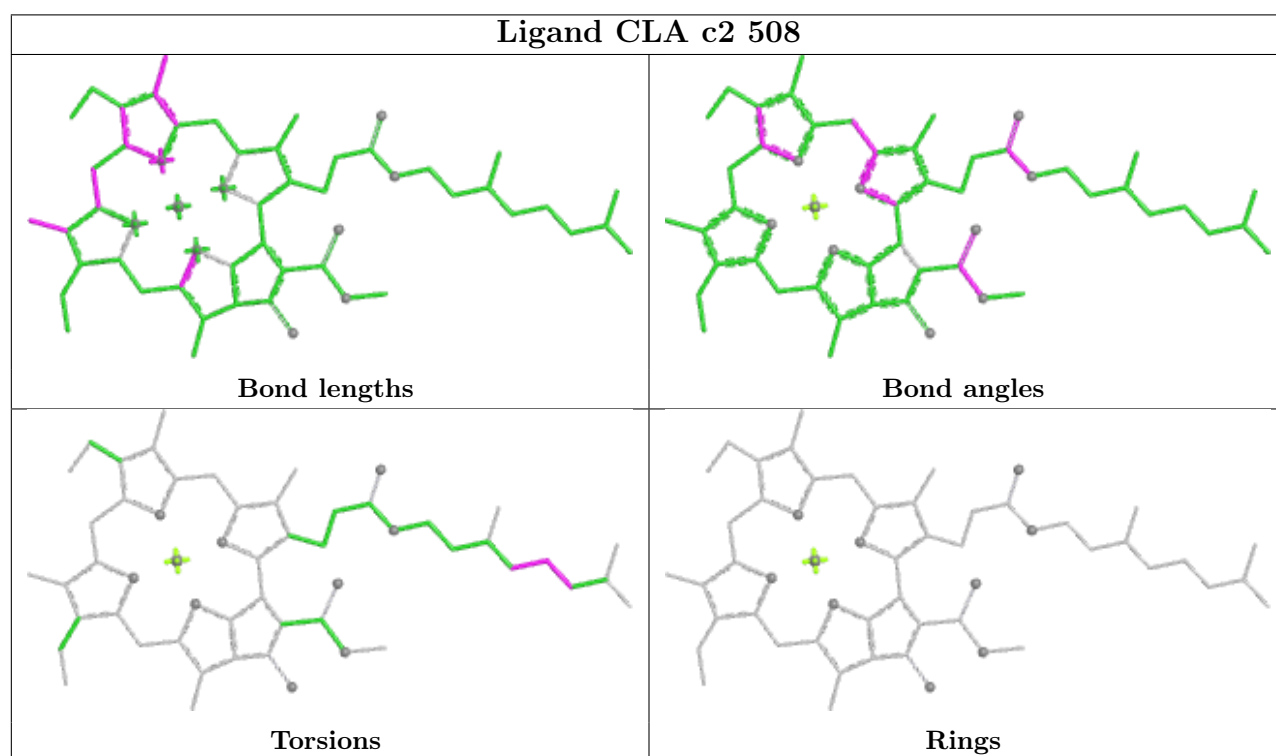
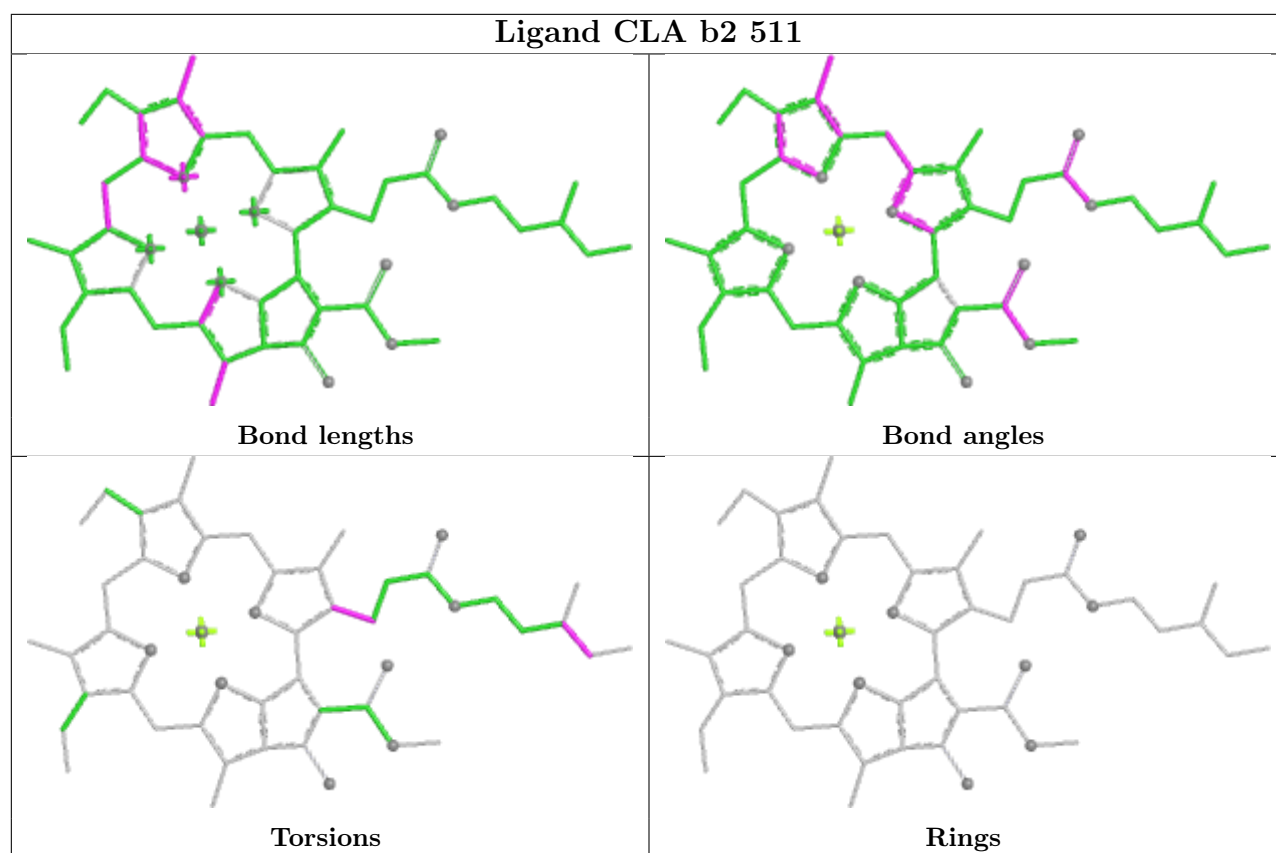
Ligand CLA p 512



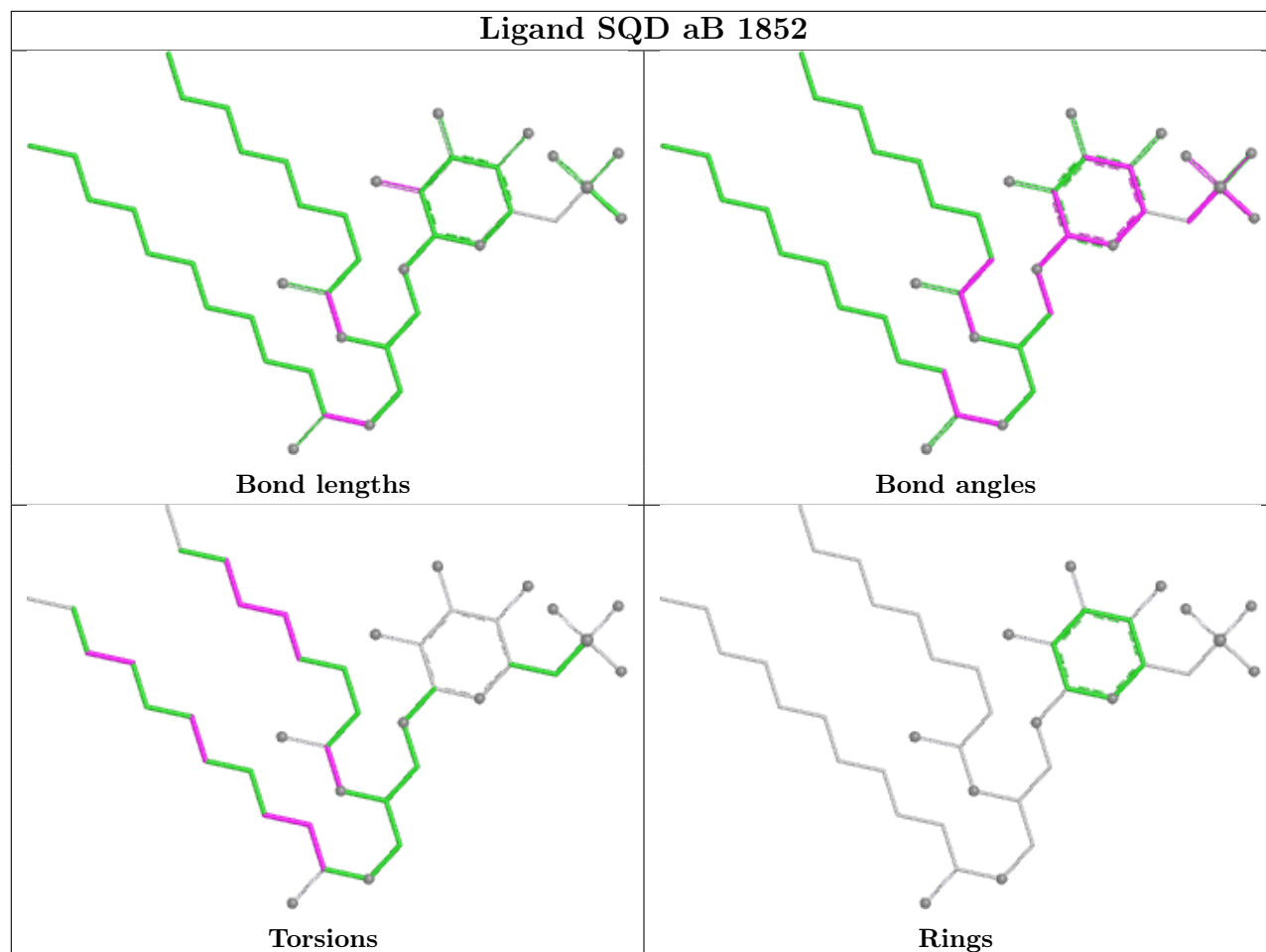
Ligand BCR g 524



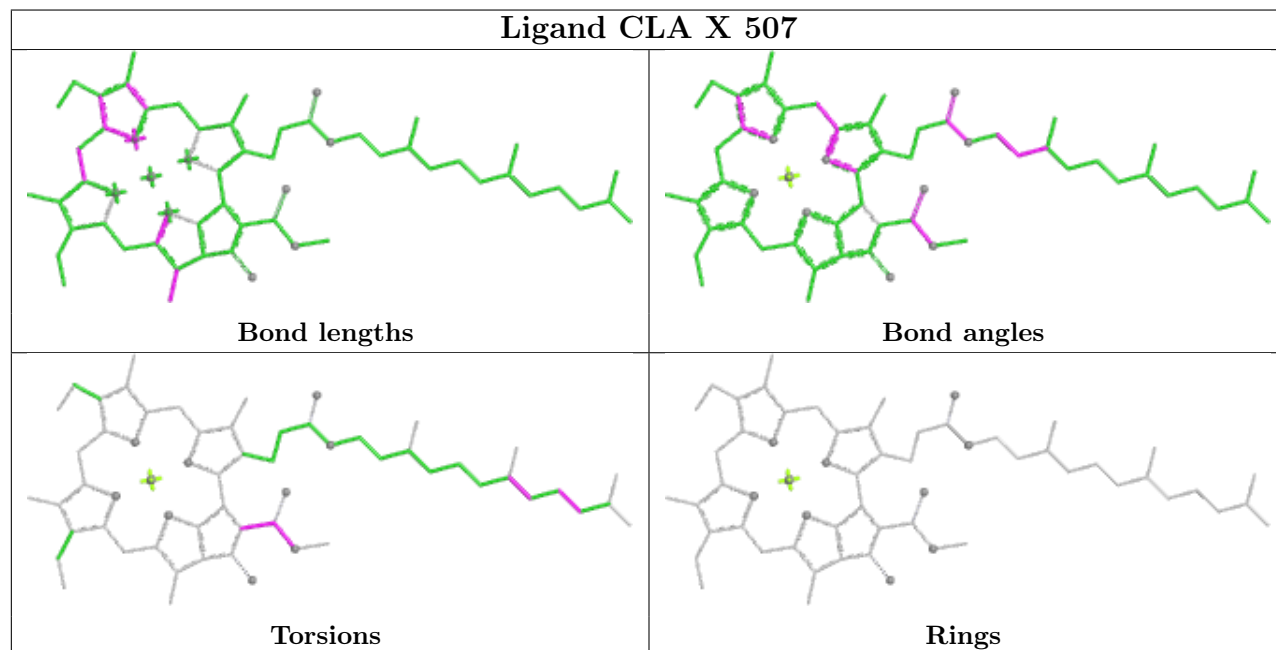




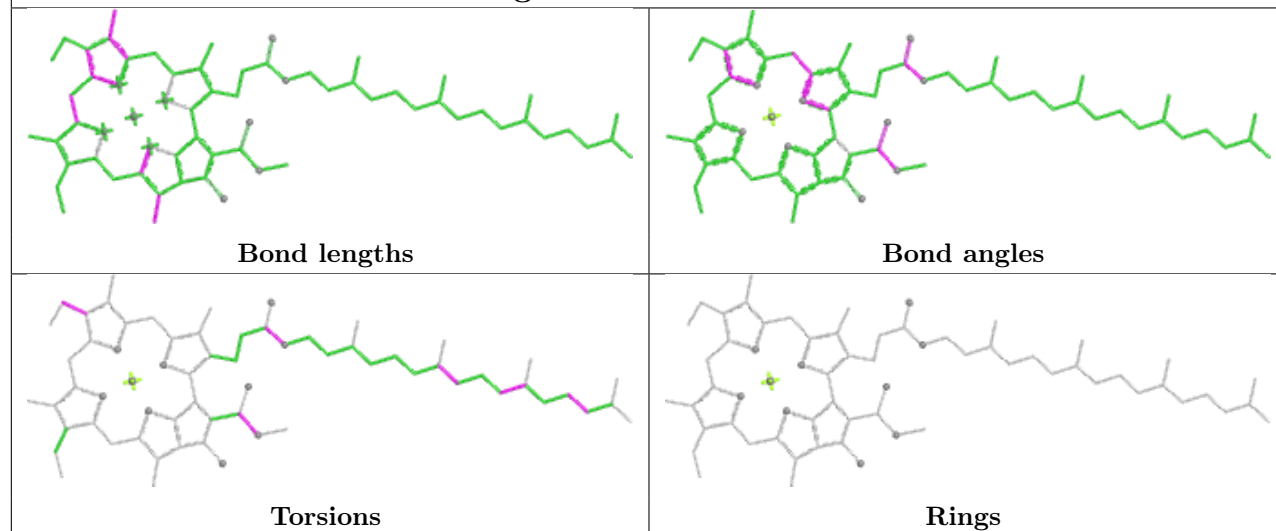
Ligand SQD aB 1852



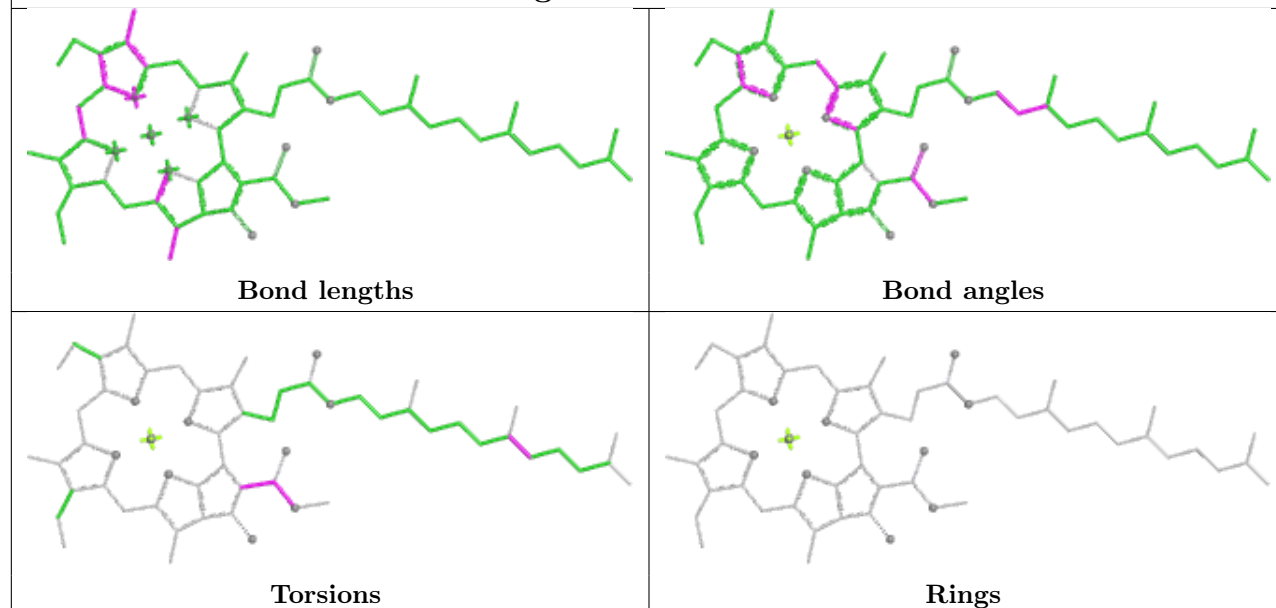
Ligand CLA X 507

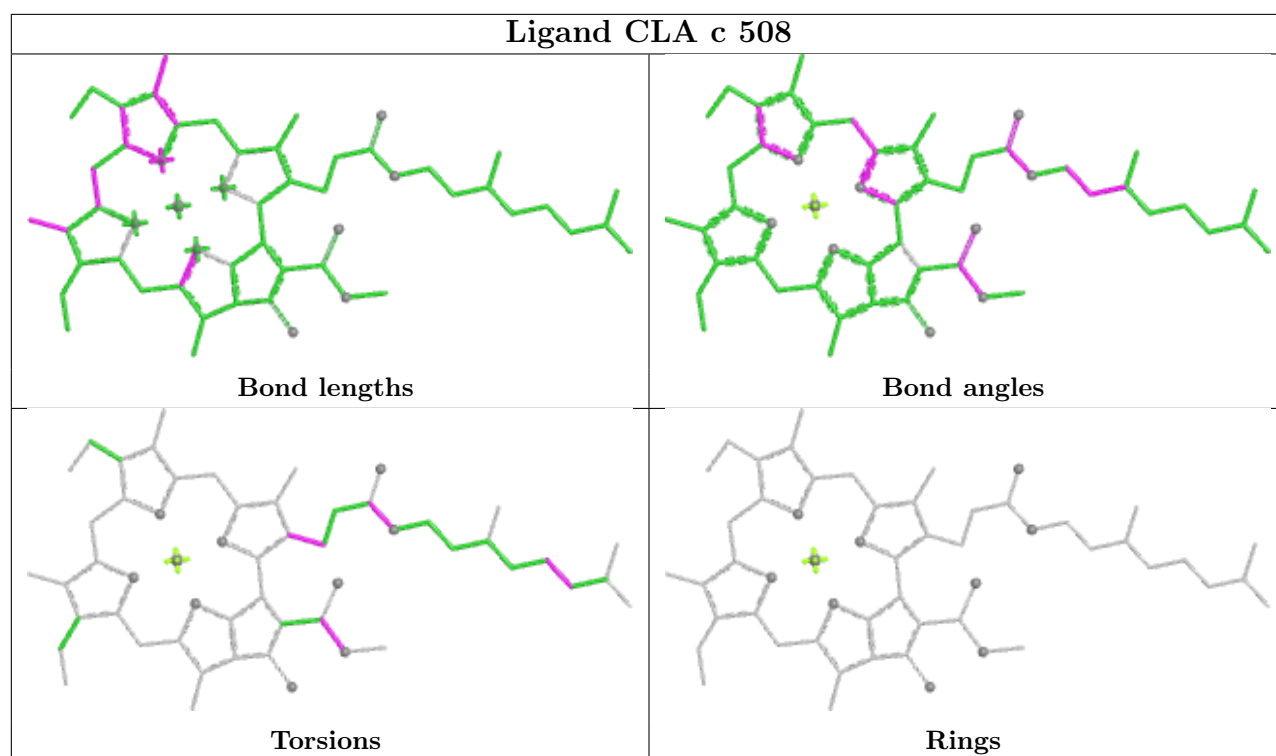


Ligand CLA aA 1109

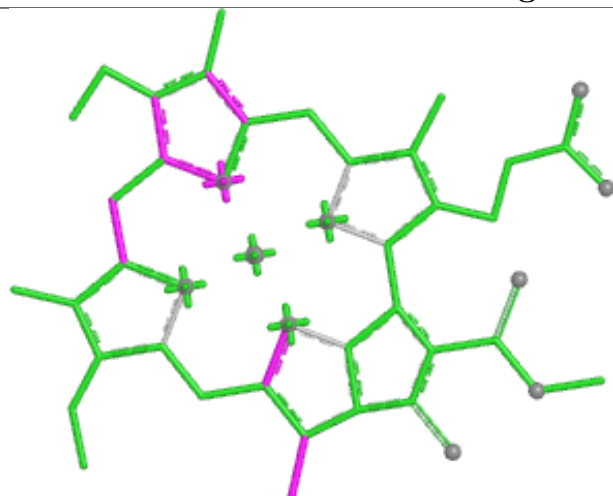


Ligand CLA Z 507

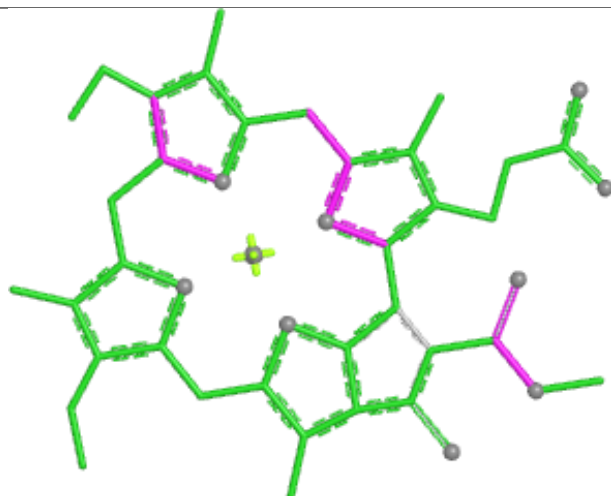




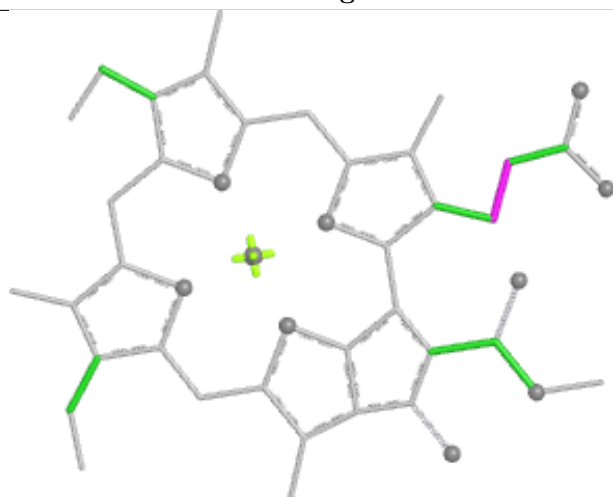
Ligand CLA a 513



Bond lengths



Bond angles

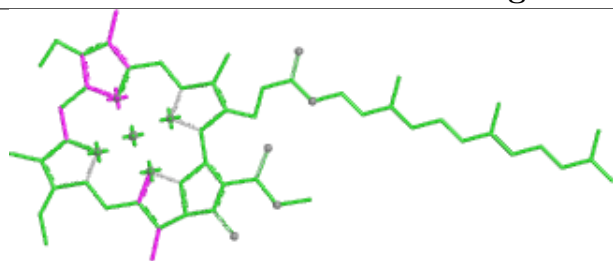


Torsions

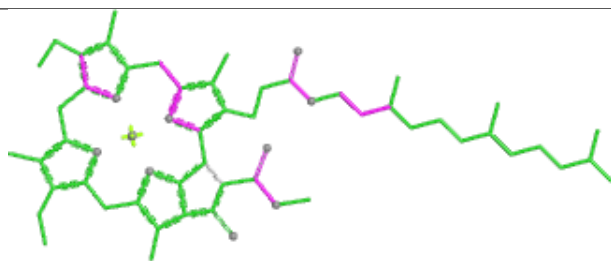


Rings

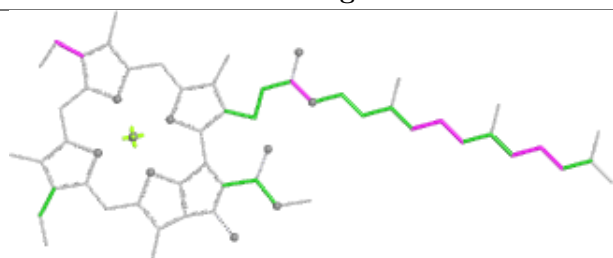
Ligand CLA b2 502



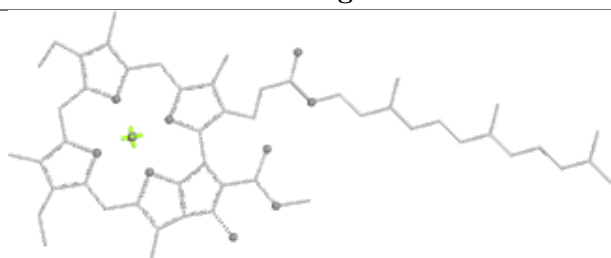
Bond lengths



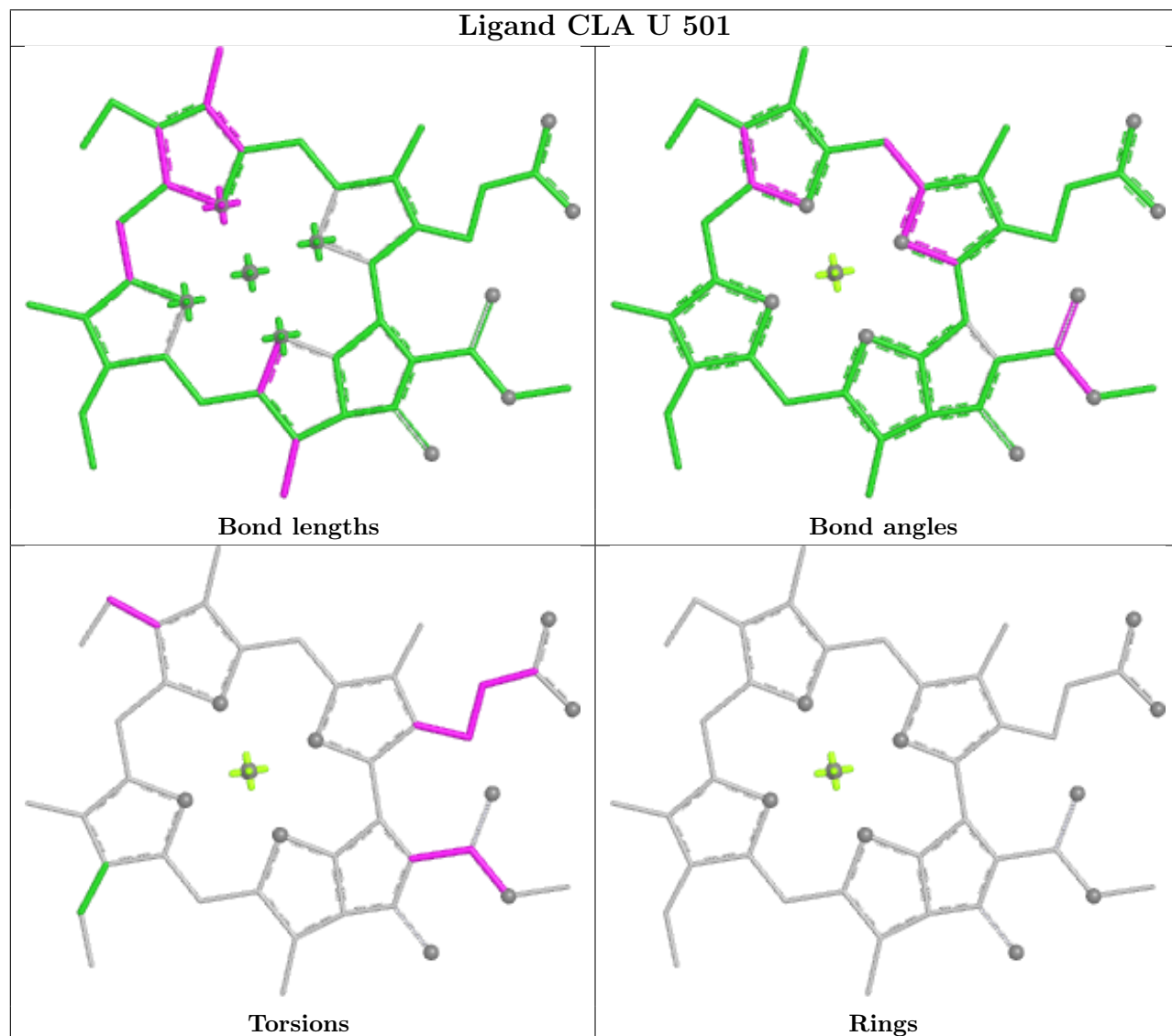
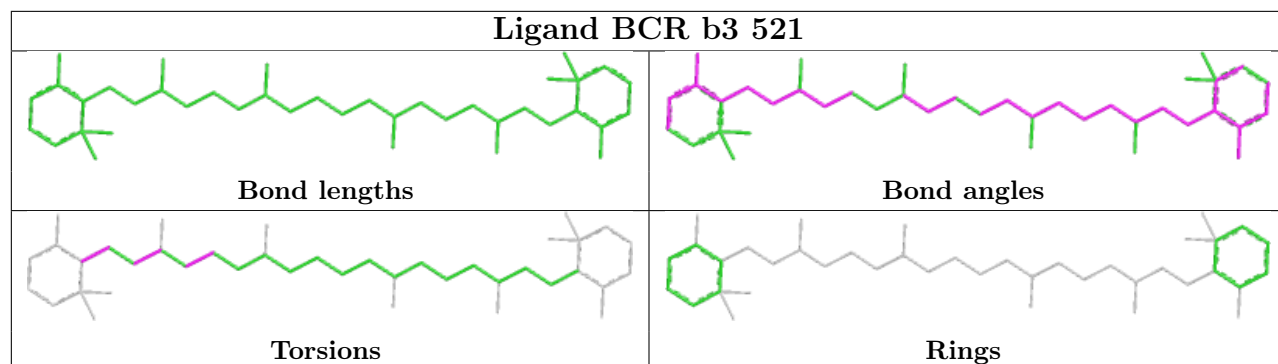
Bond angles



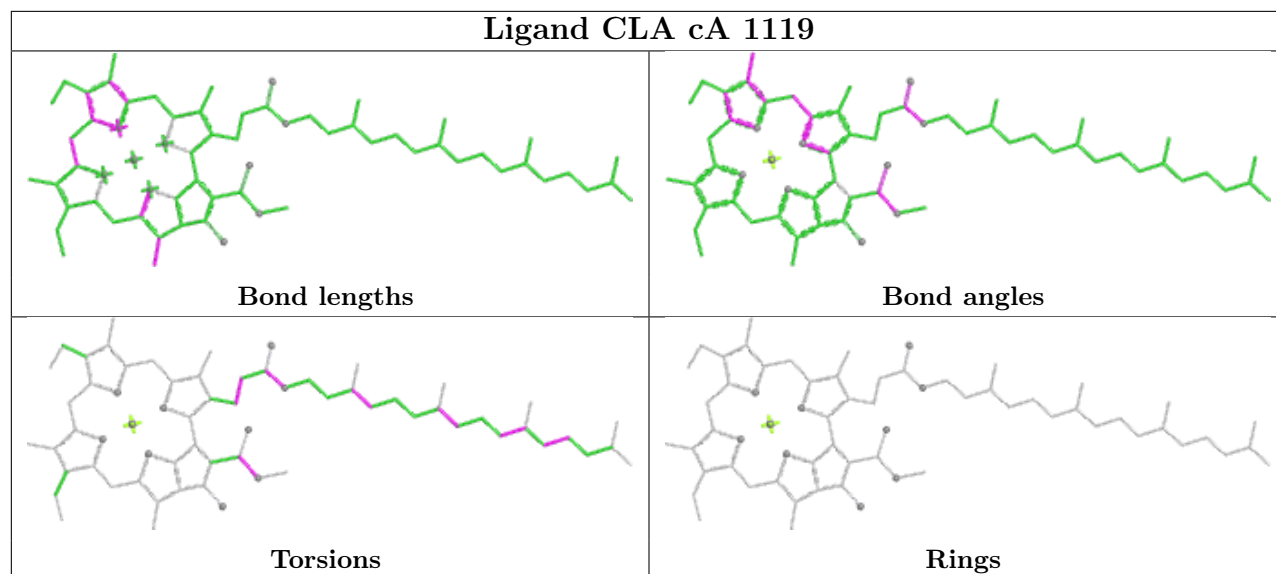
Torsions



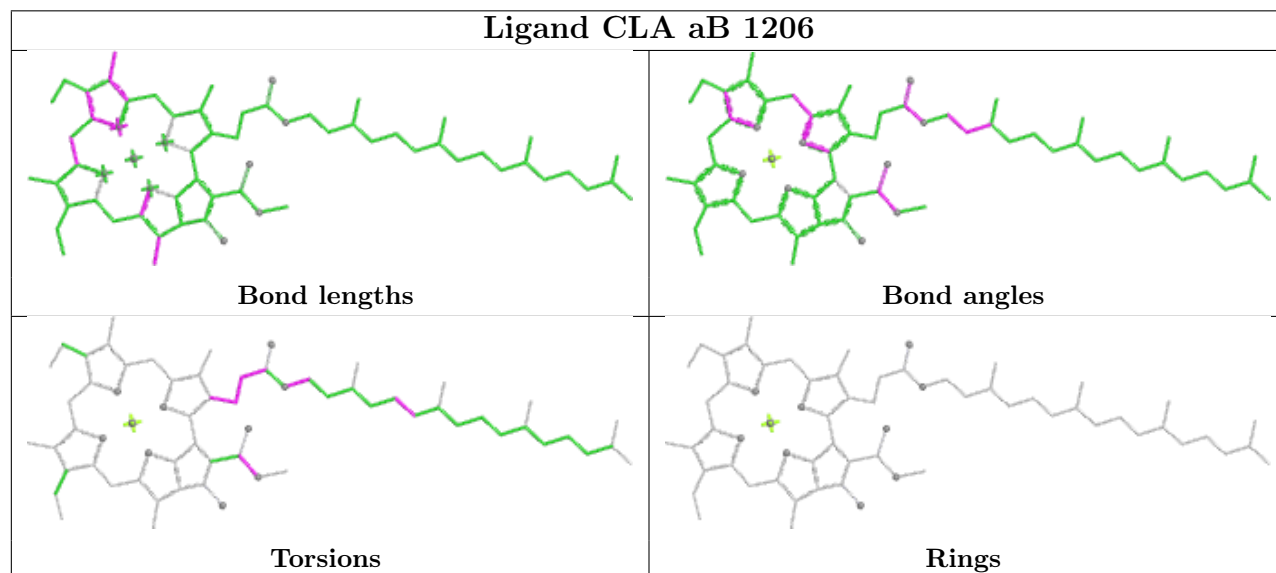
Rings



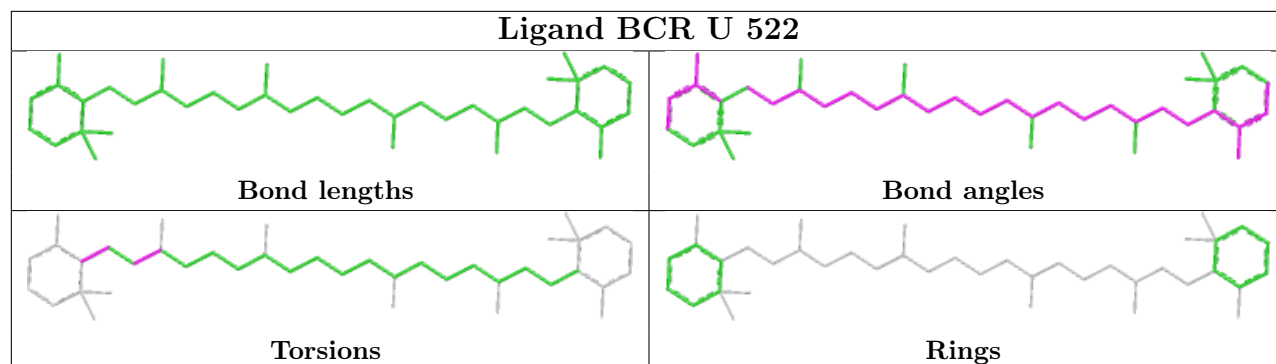
Ligand CLA cA 1119



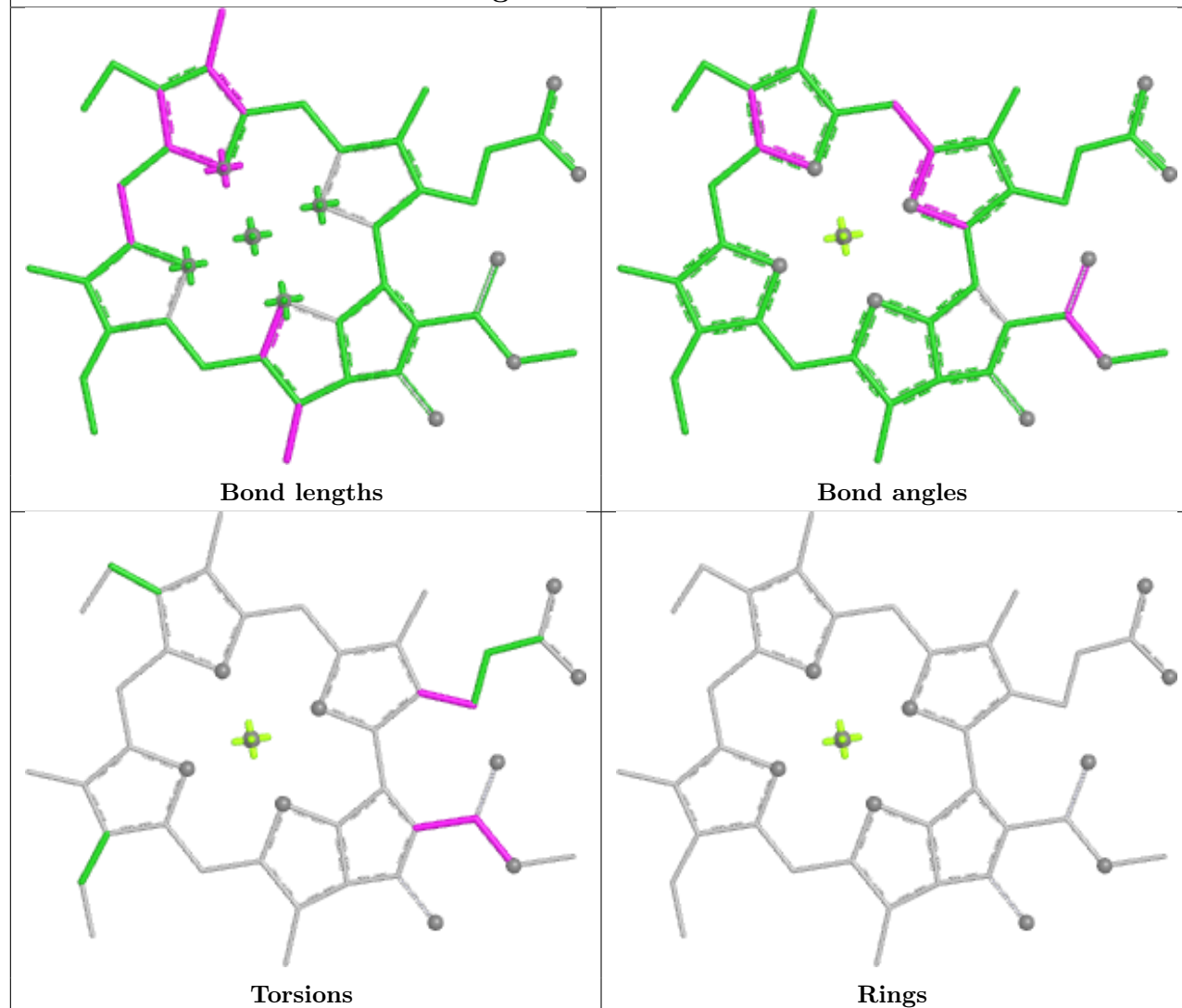
Ligand CLA aB 1206



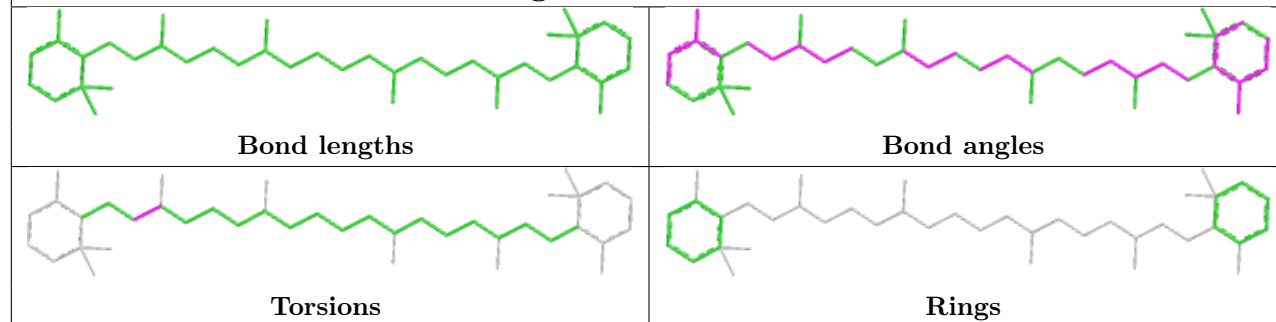
Ligand BCR U 522

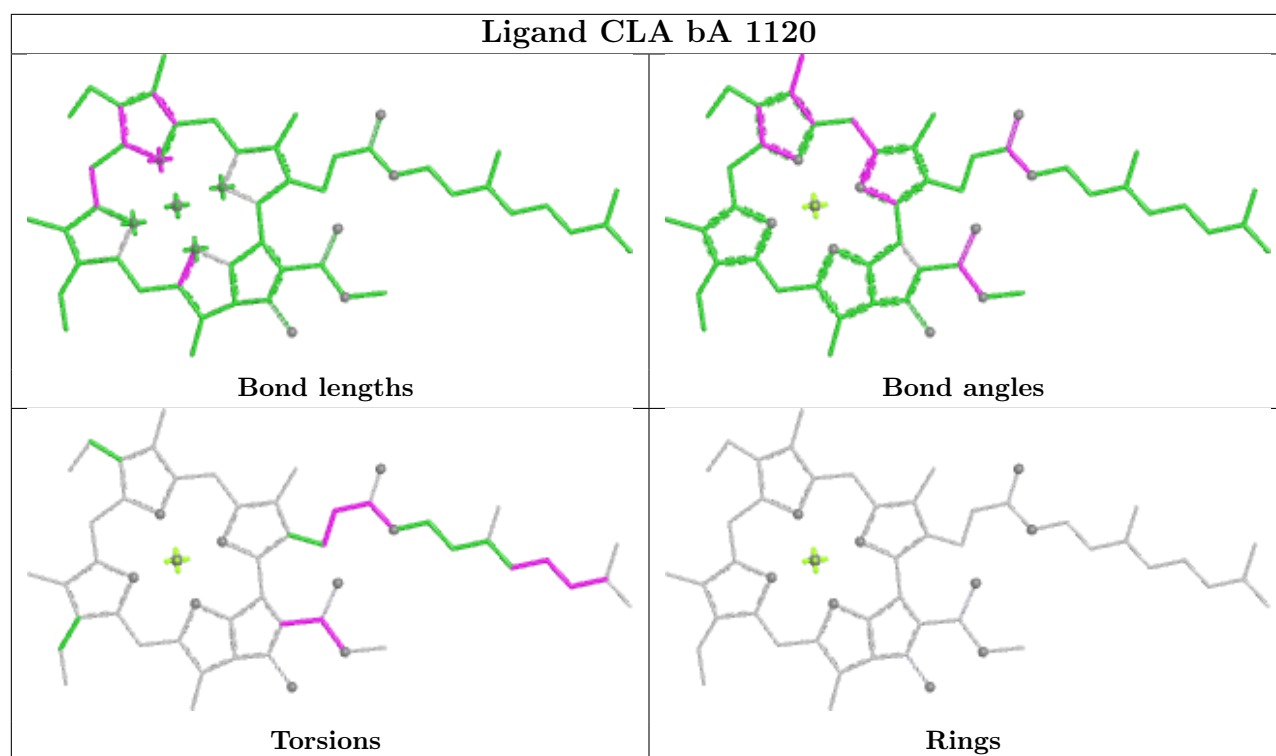


Ligand CLA V 511

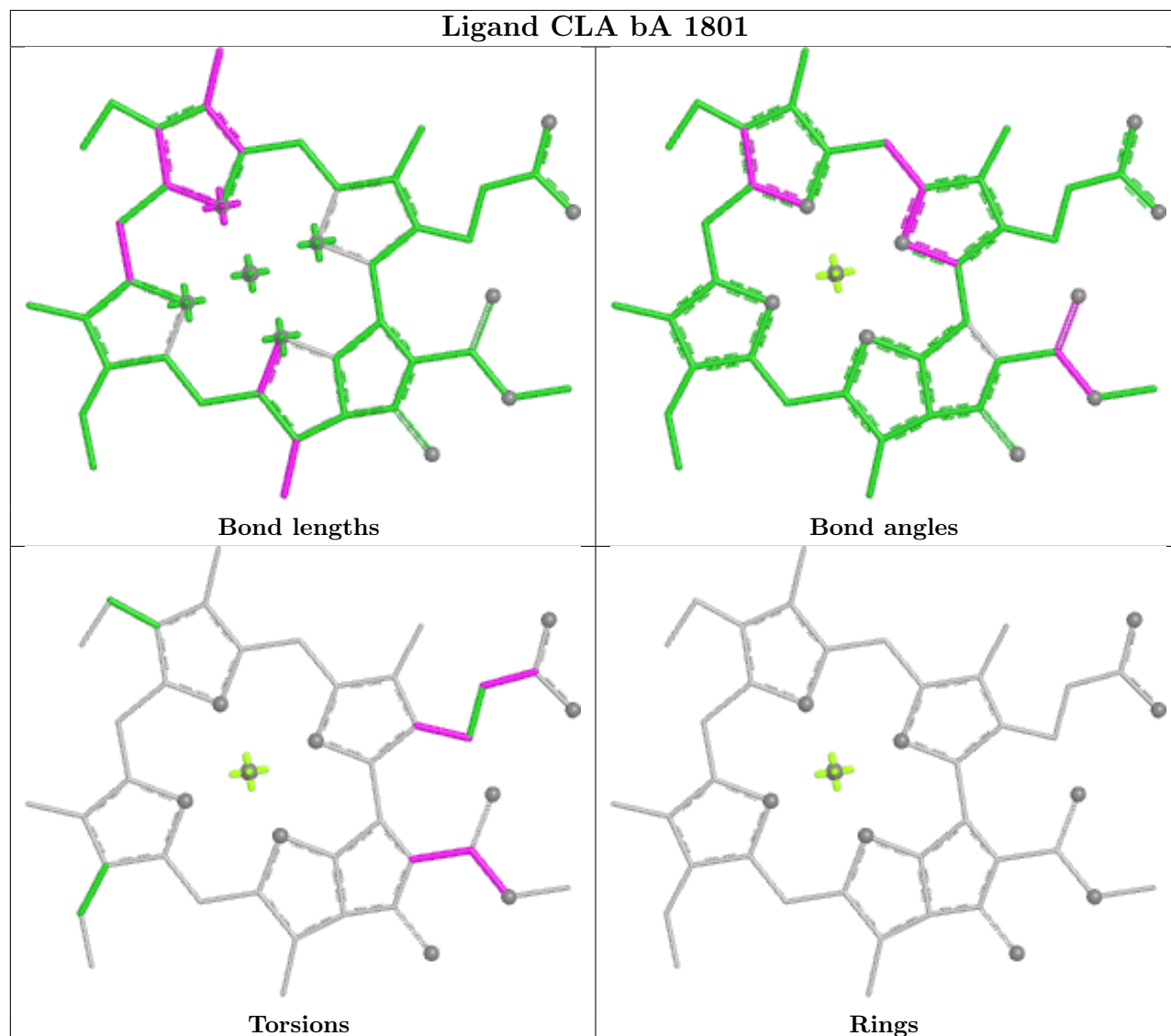


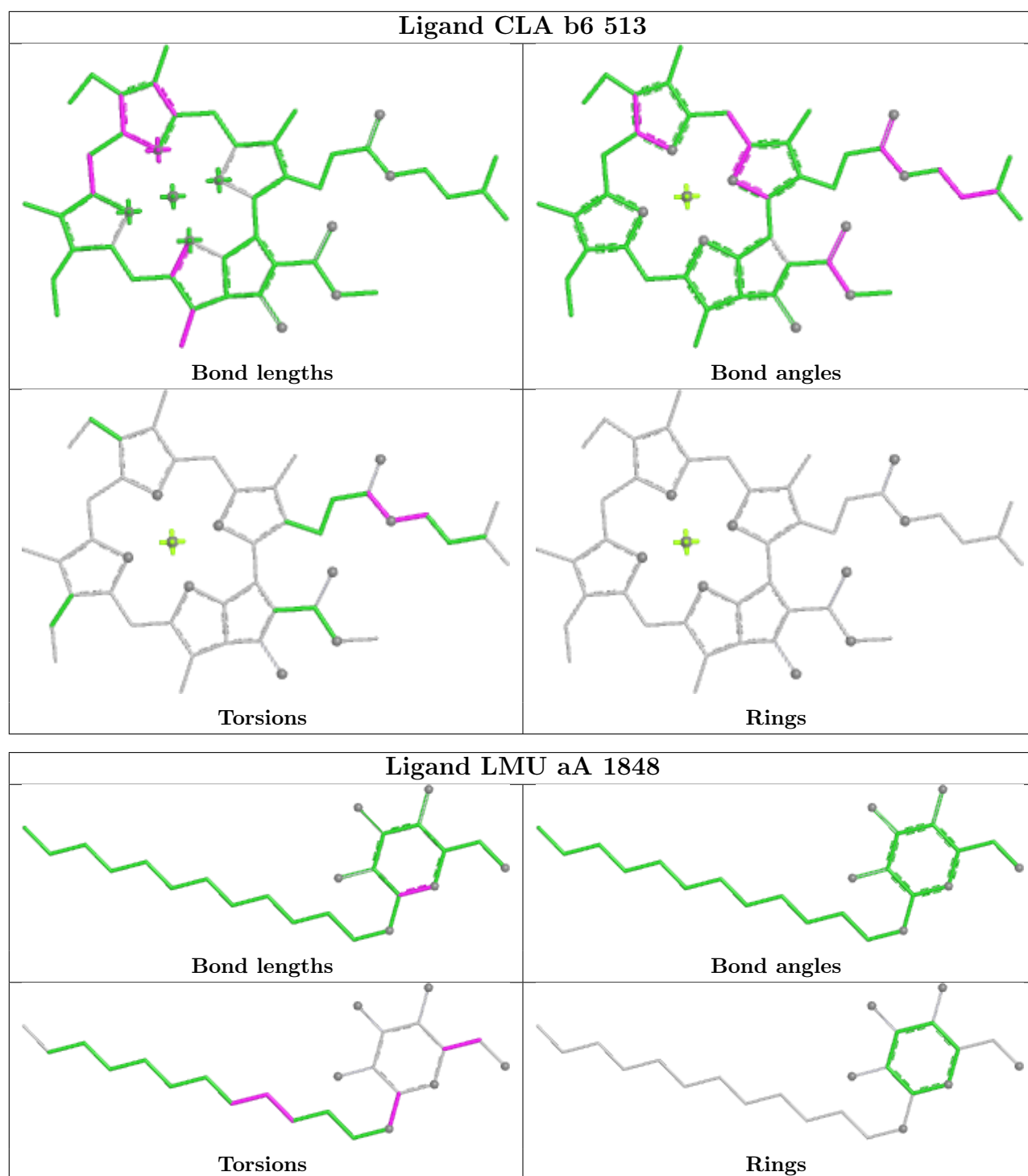
Ligand BCR V 521



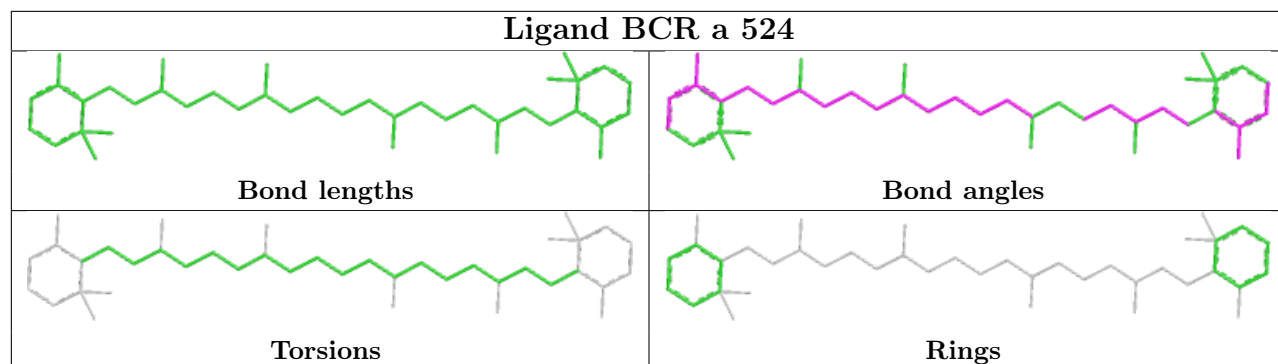


Ligand CLA bA 1801

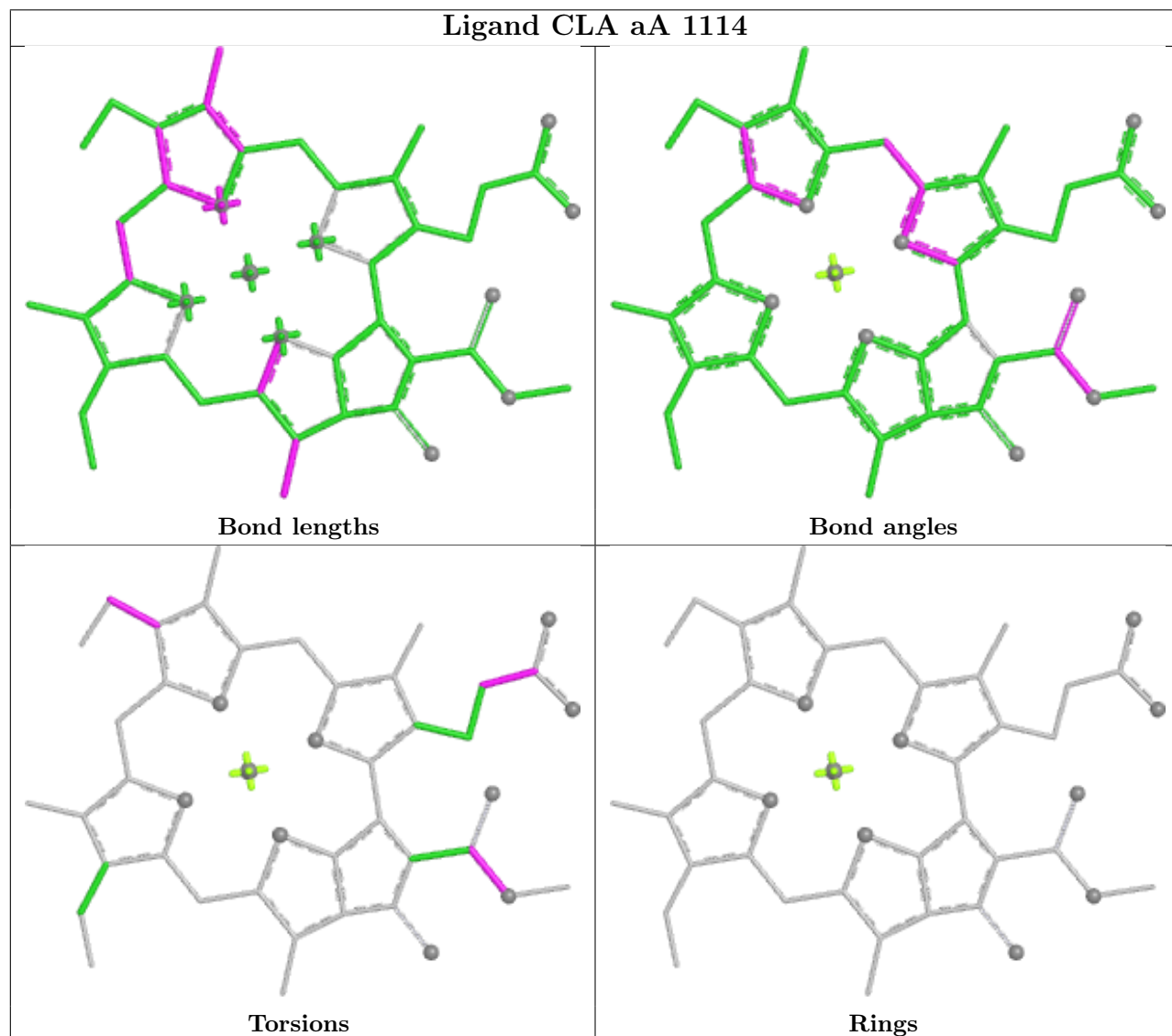




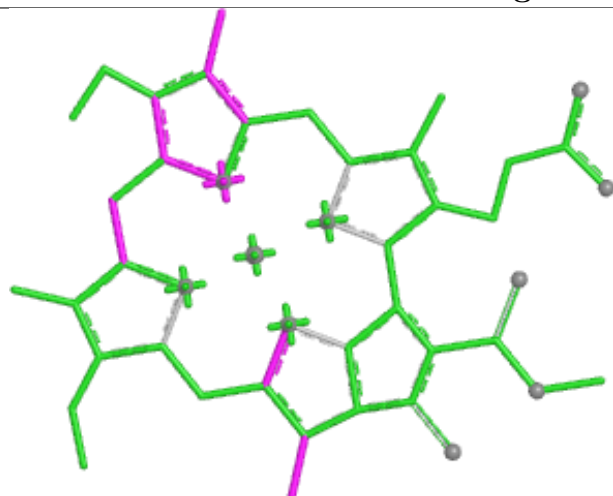
Ligand BCR a 524



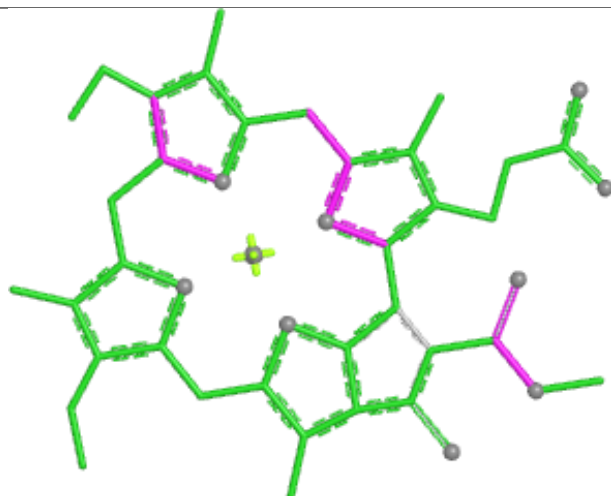
Ligand CLA aA 1114



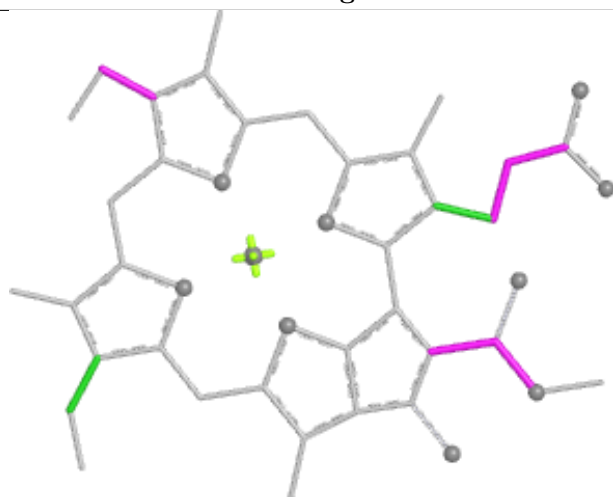
Ligand CLA X 517



Bond lengths



Bond angles

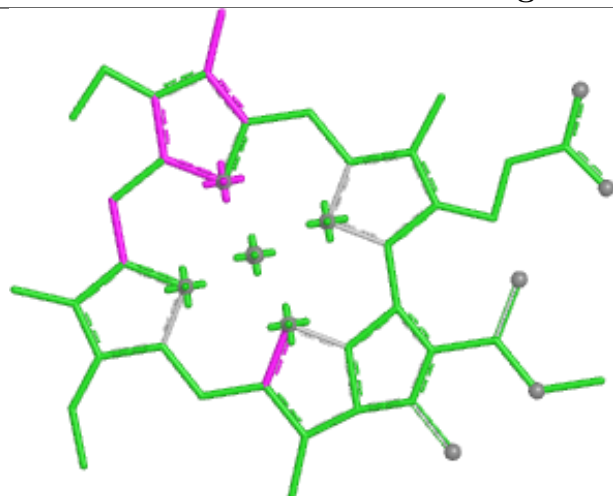


Torsions



Rings

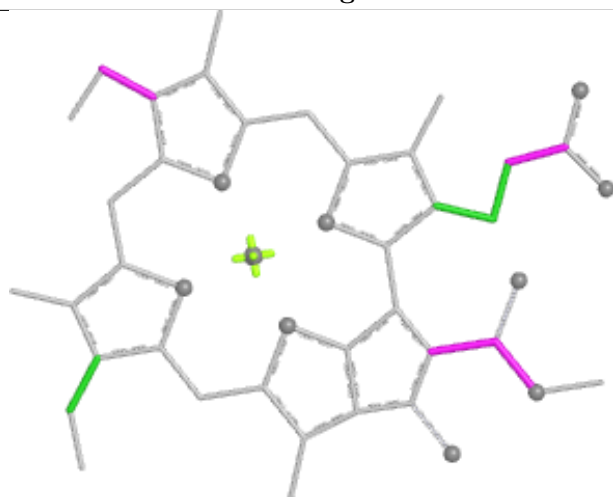
Ligand CLA b 519



Bond lengths



Bond angles

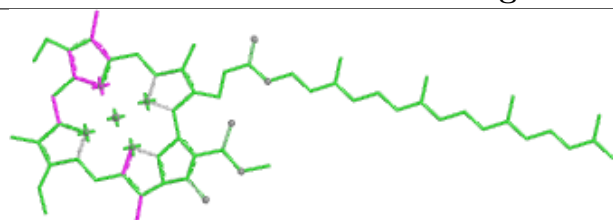


Torsions

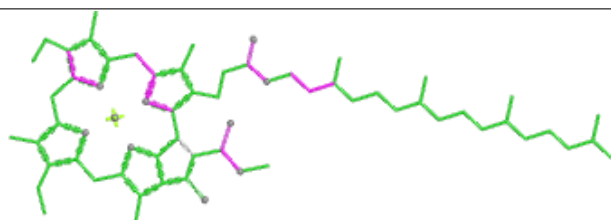


Rings

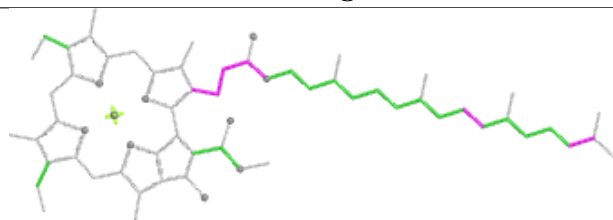
Ligand CLA cL 1503



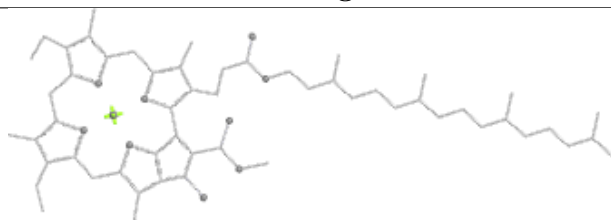
Bond lengths



Bond angles

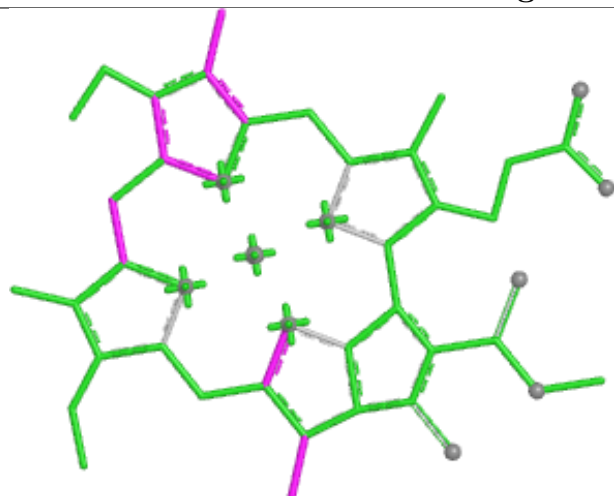


Torsions

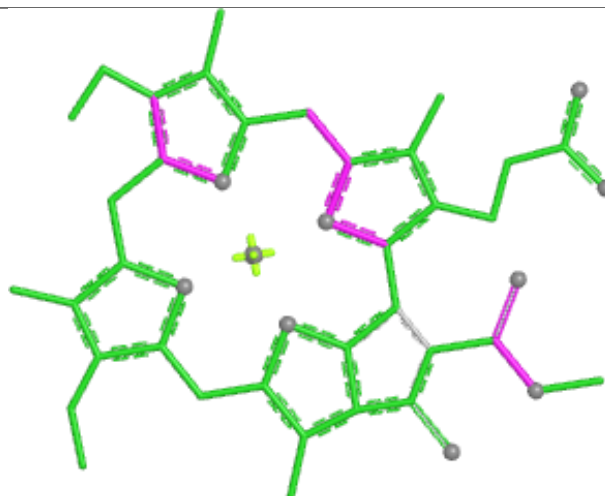


Rings

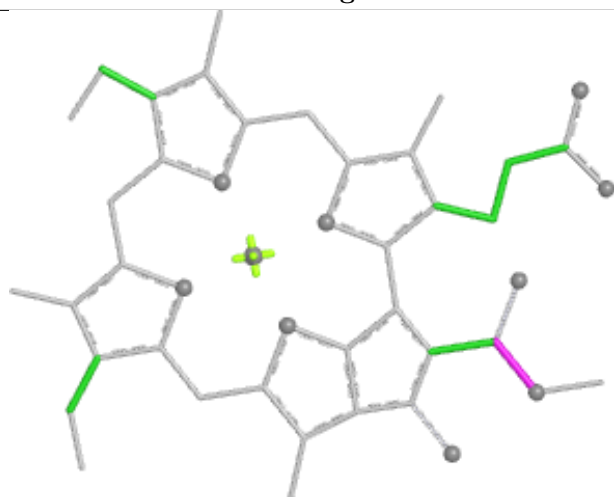
Ligand CLA h 503



Bond lengths



Bond angles

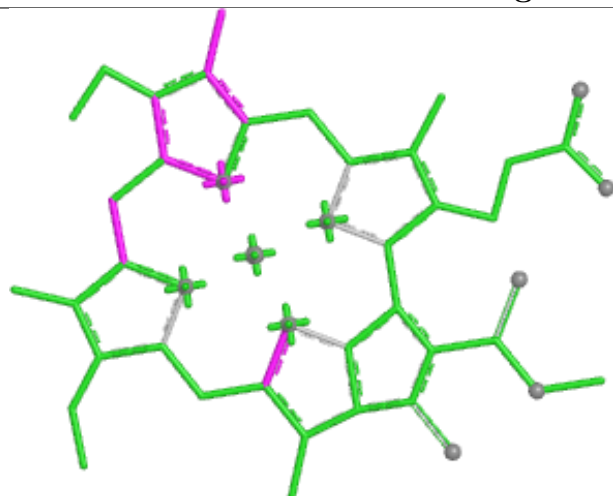


Torsions



Rings

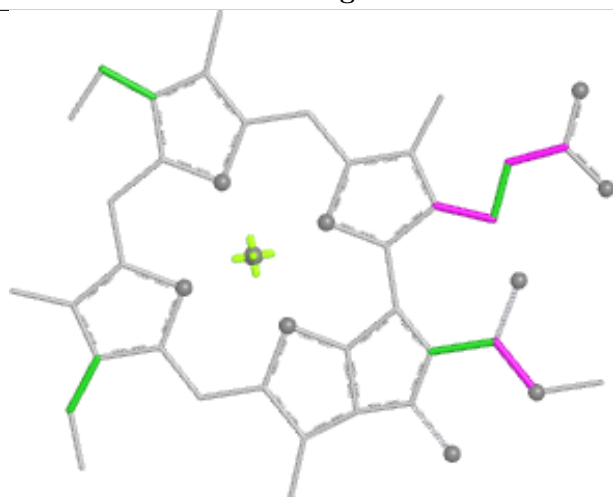
Ligand CLA T 511



Bond lengths



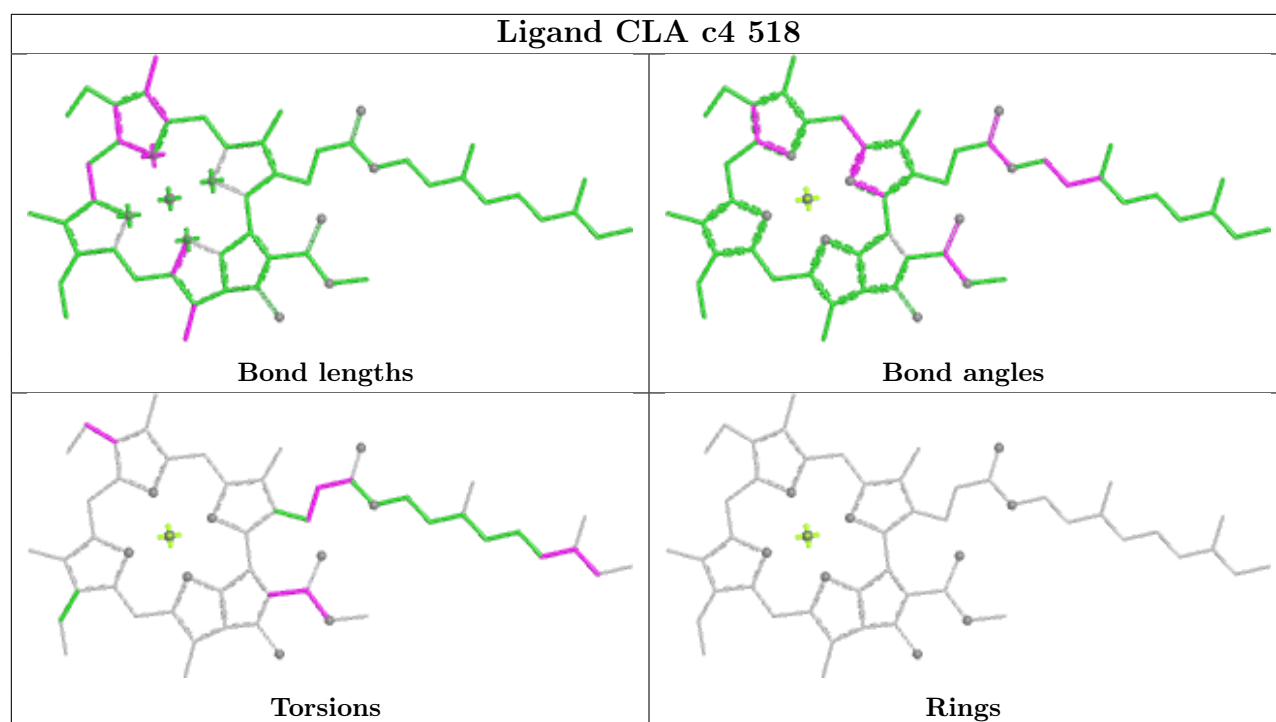
Bond angles



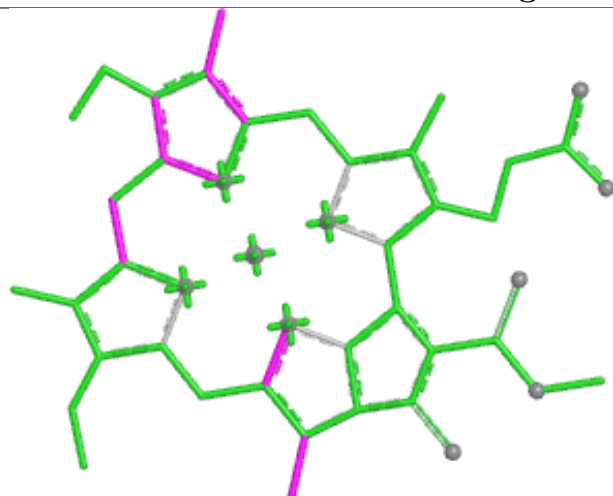
Torsions



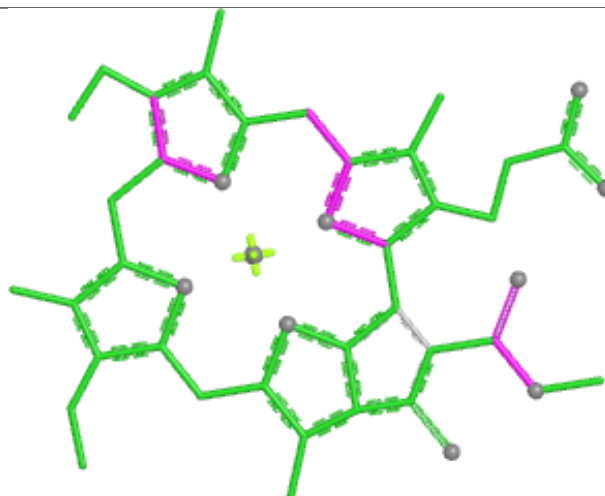
Rings



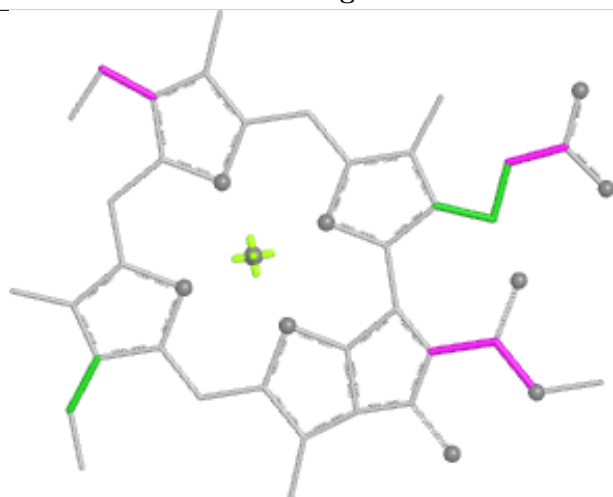
Ligand CLA e 504



Bond lengths



Bond angles

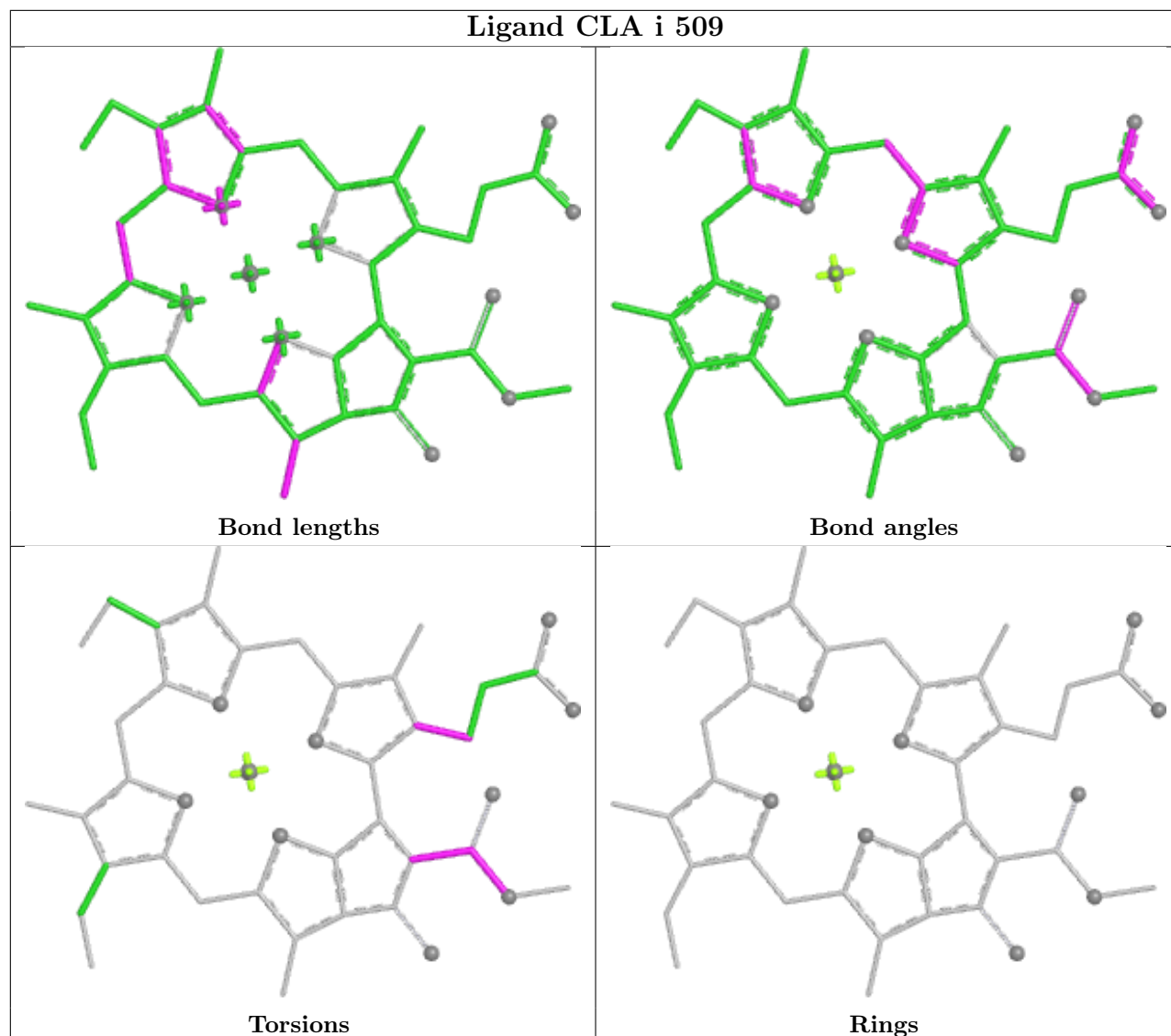


Torsions

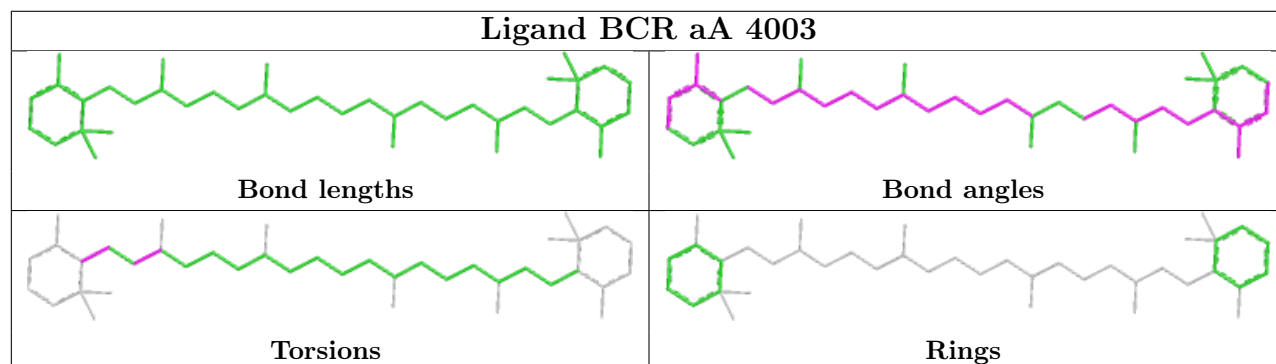


Rings

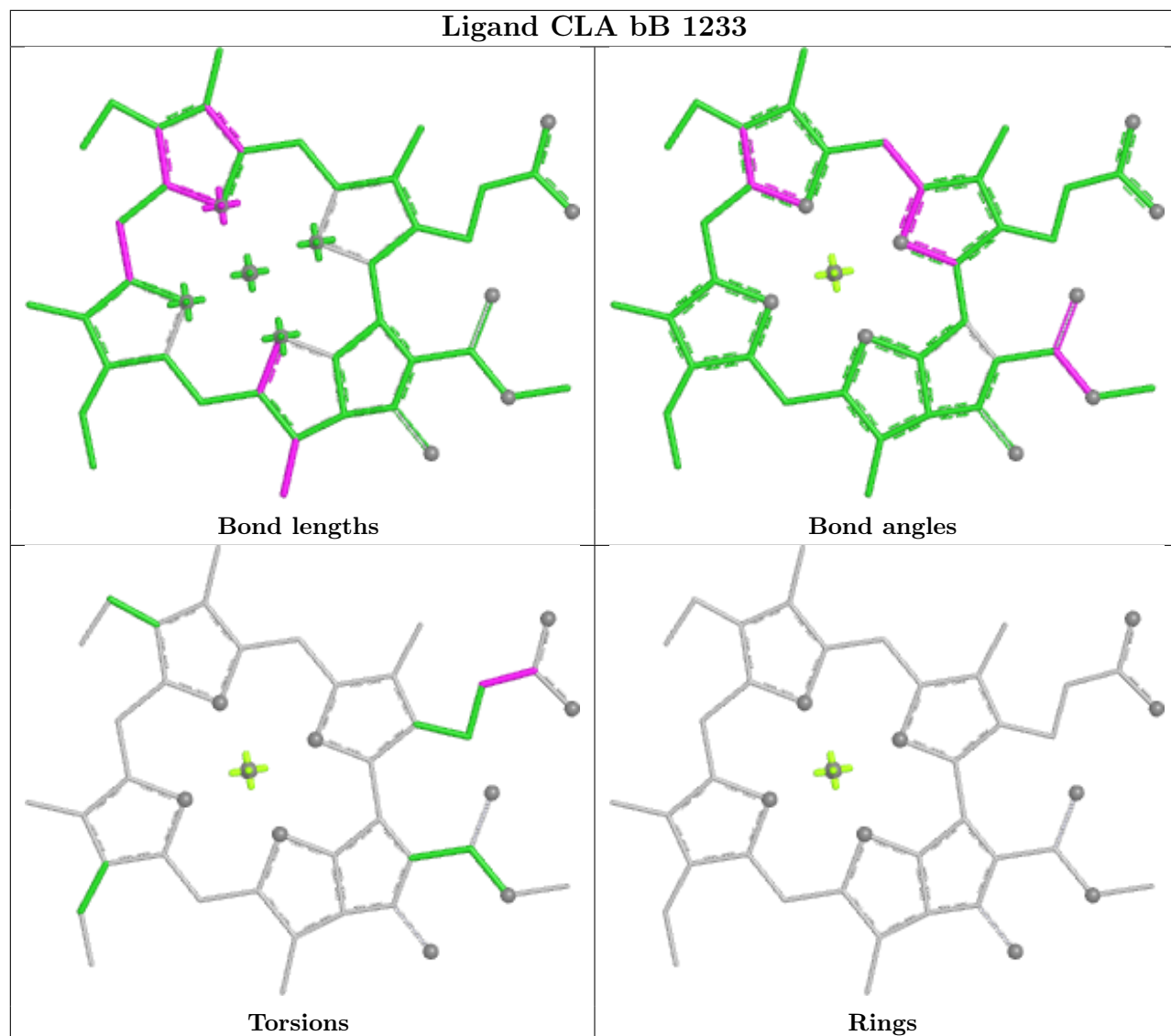
Ligand CLA i 509

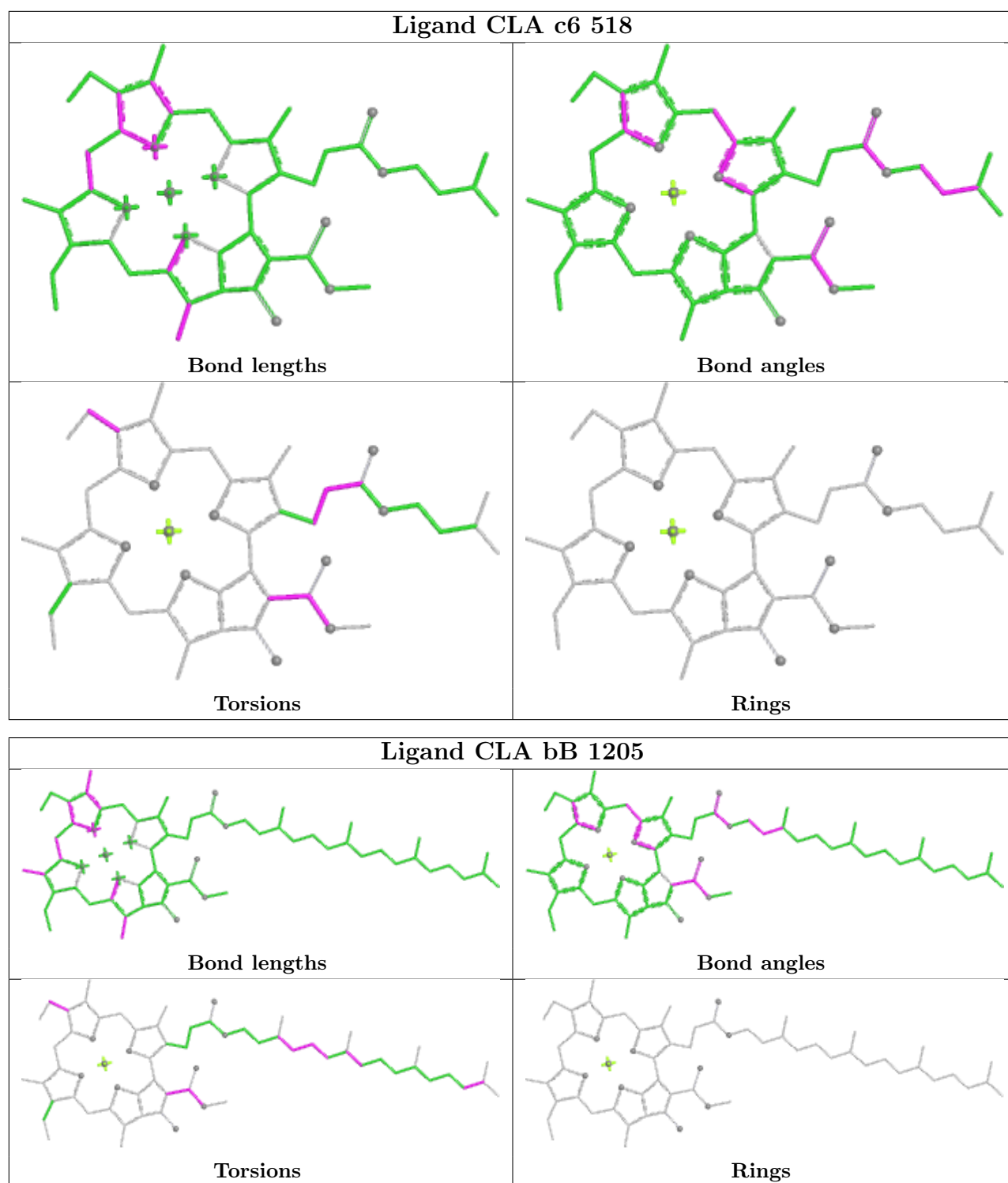


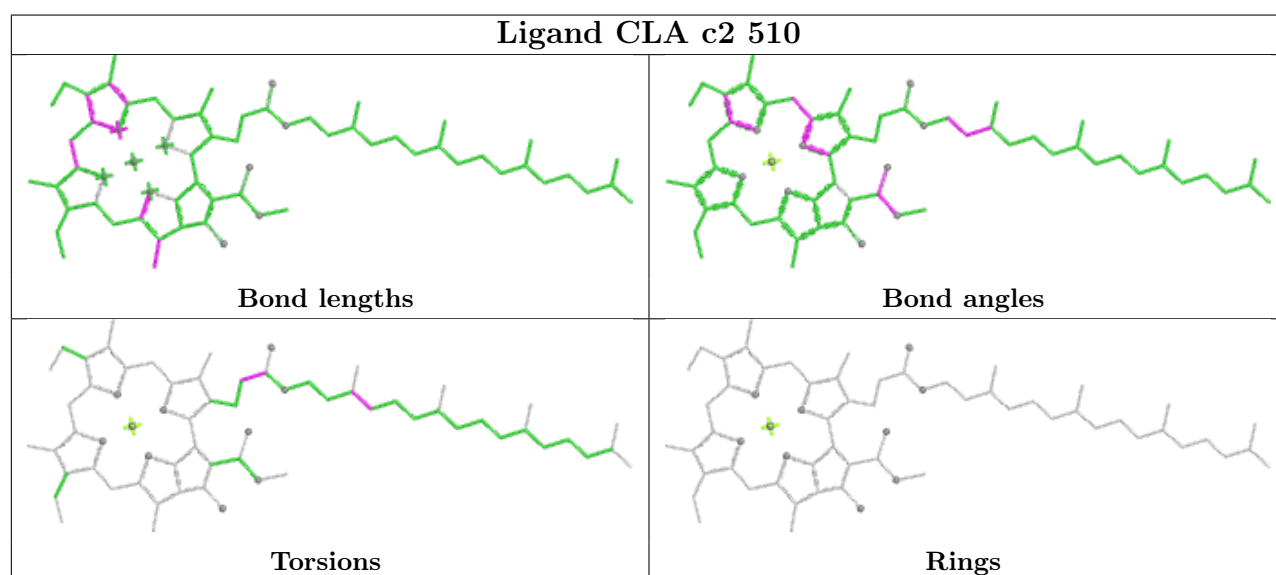
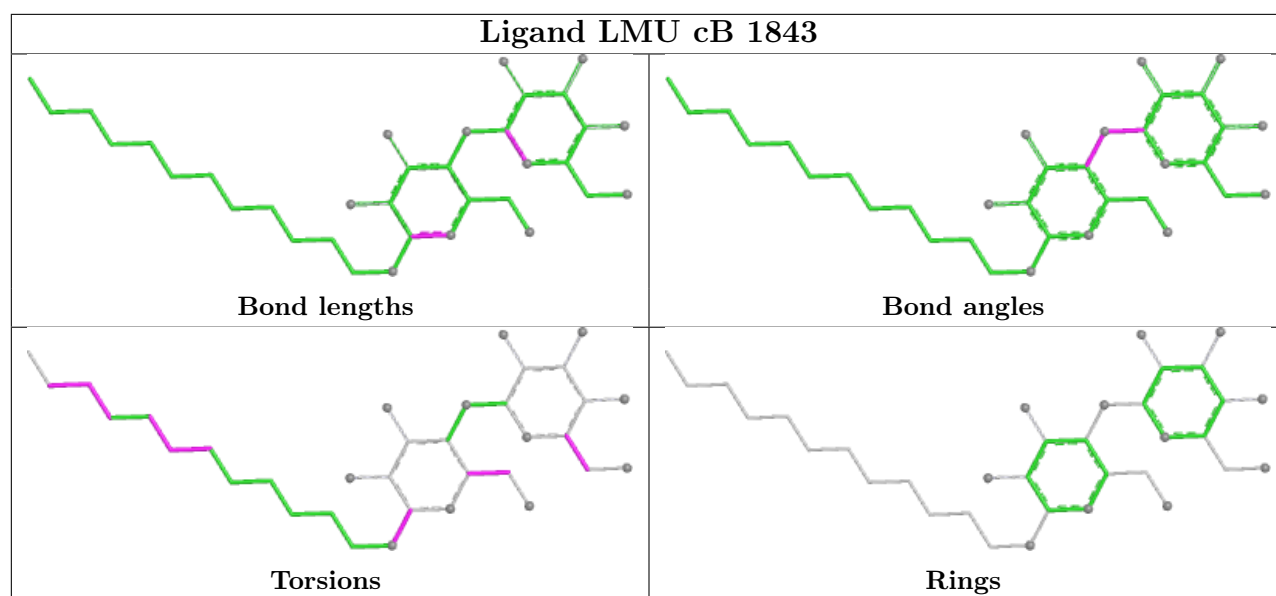
Ligand BCR aA 4003



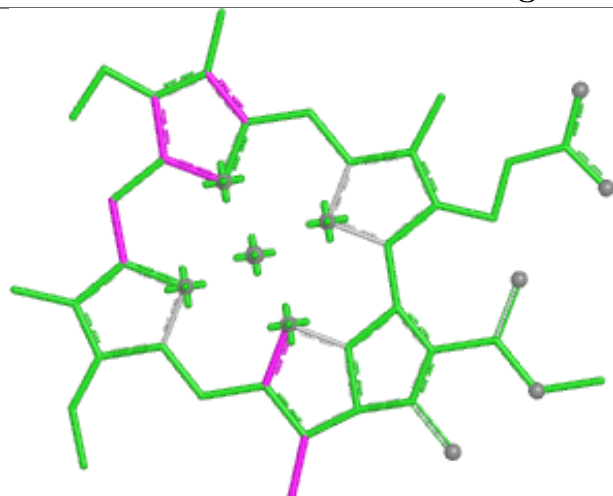
Ligand CLA bB 1233



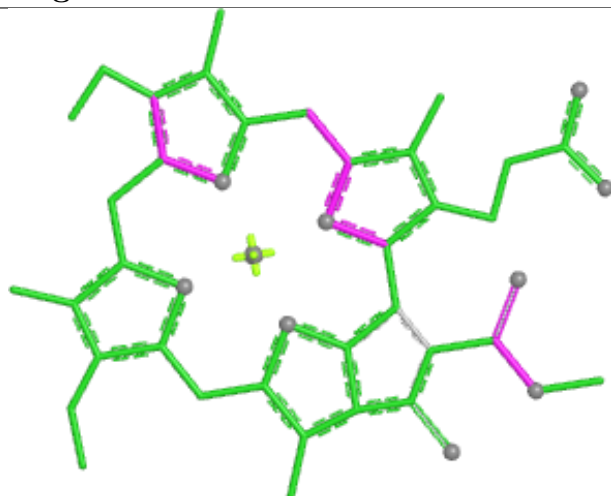




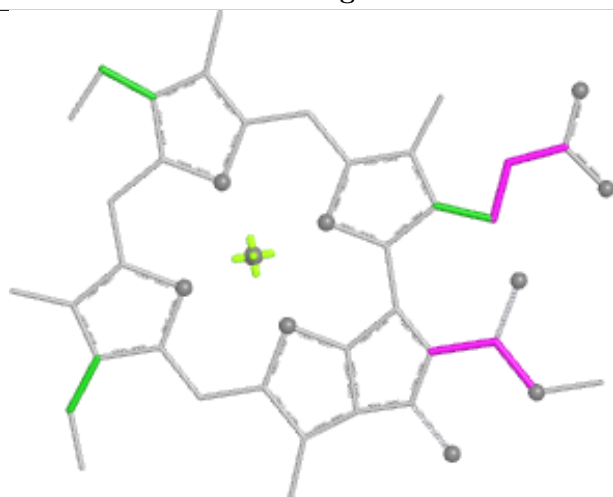
Ligand CLA g 507



Bond lengths



Bond angles

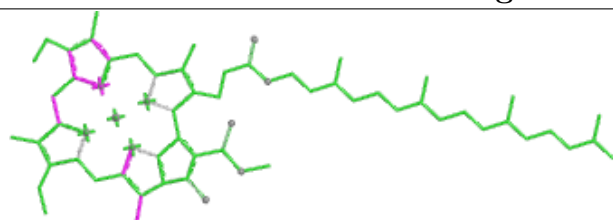


Torsions

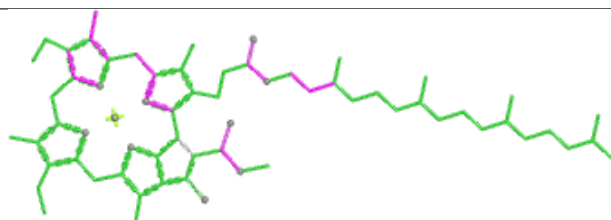


Rings

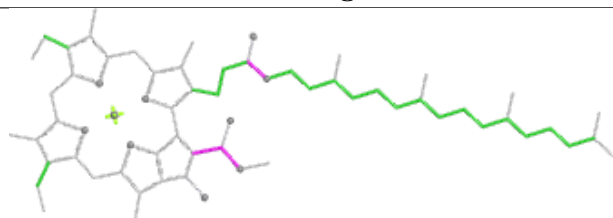
Ligand CLA bB 1211



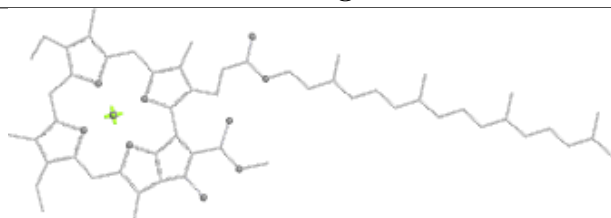
Bond lengths



Bond angles

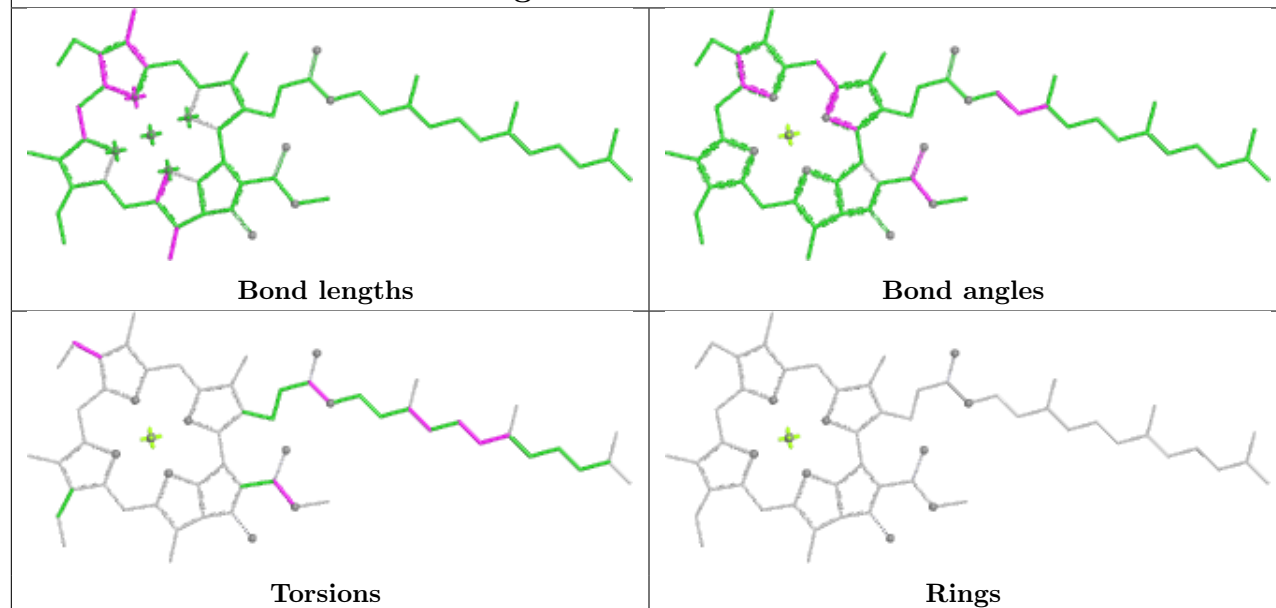


Torsions

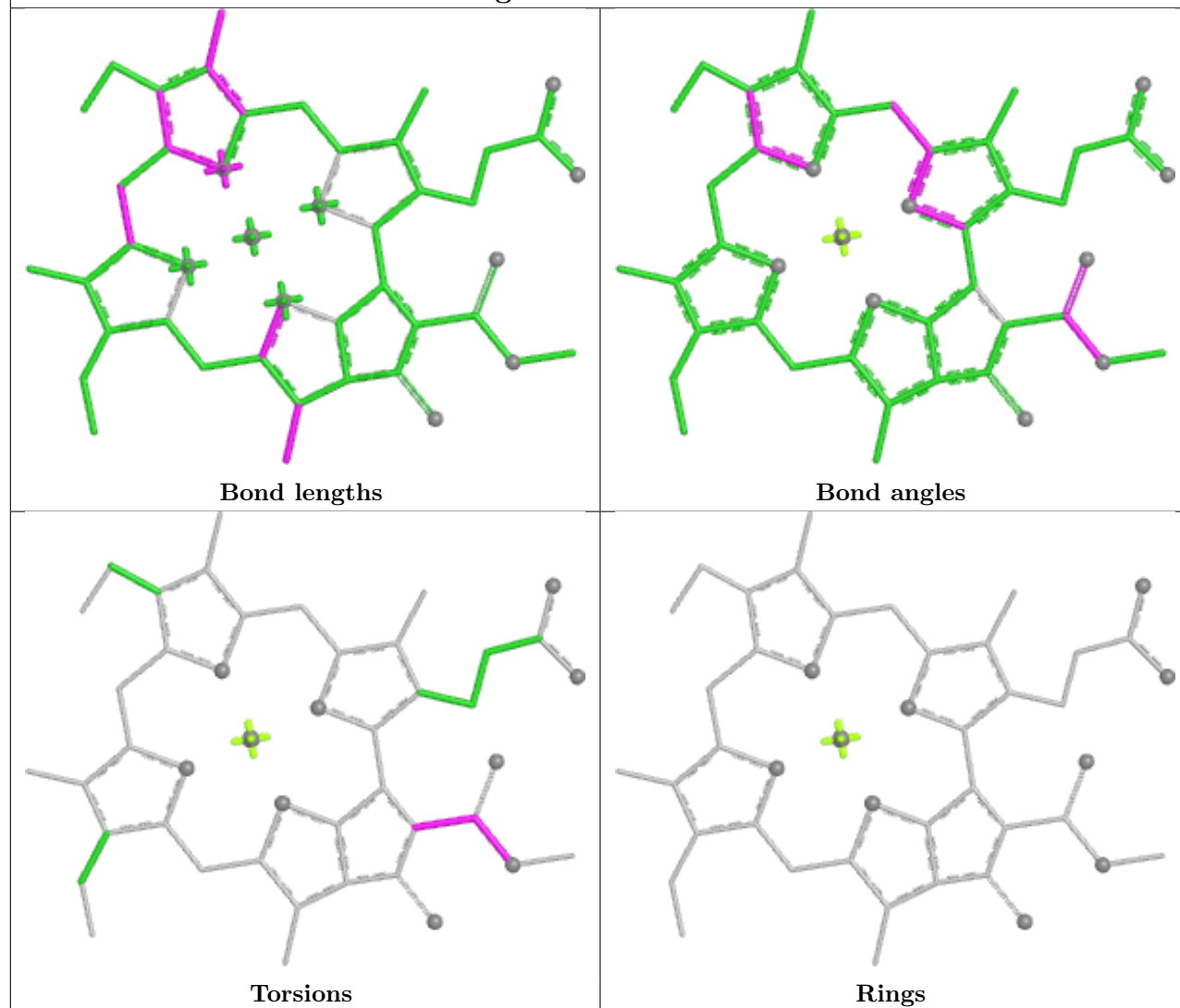


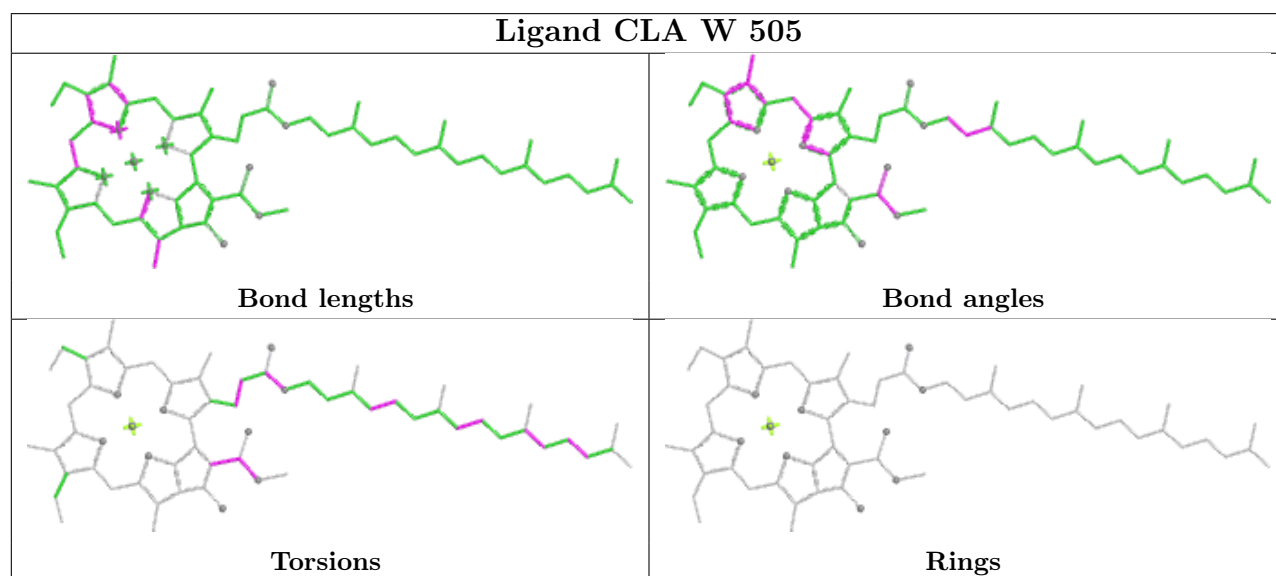
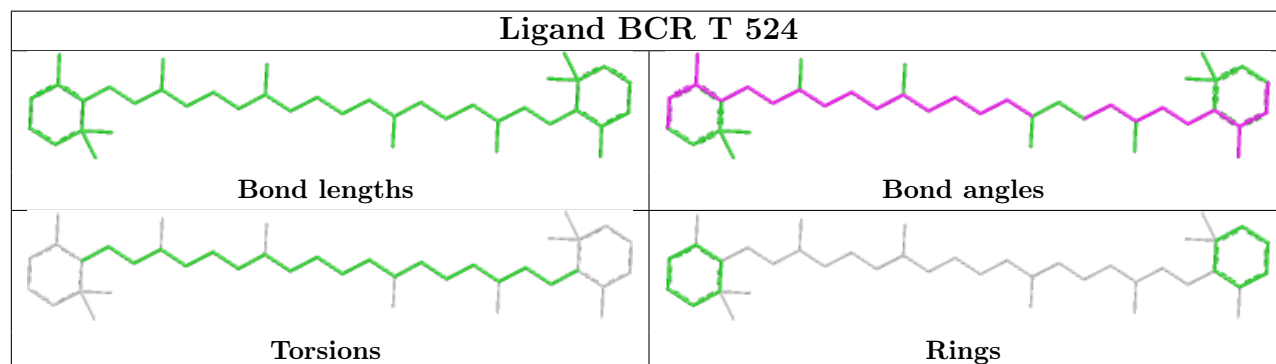
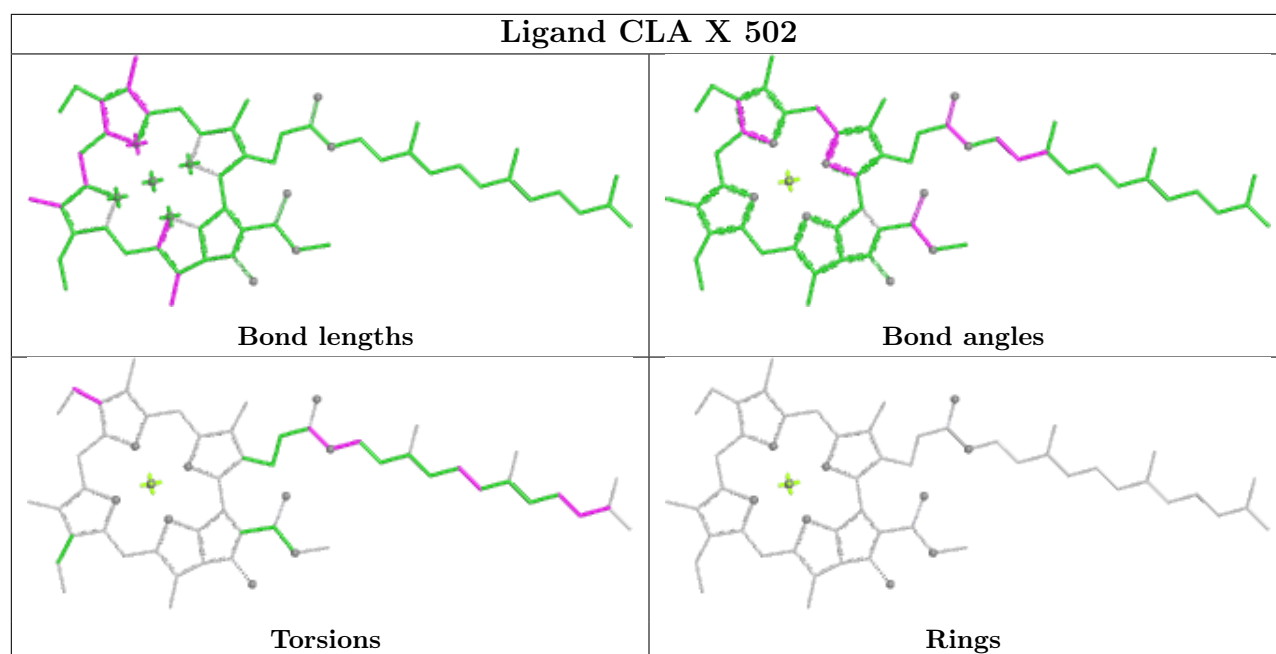
Rings

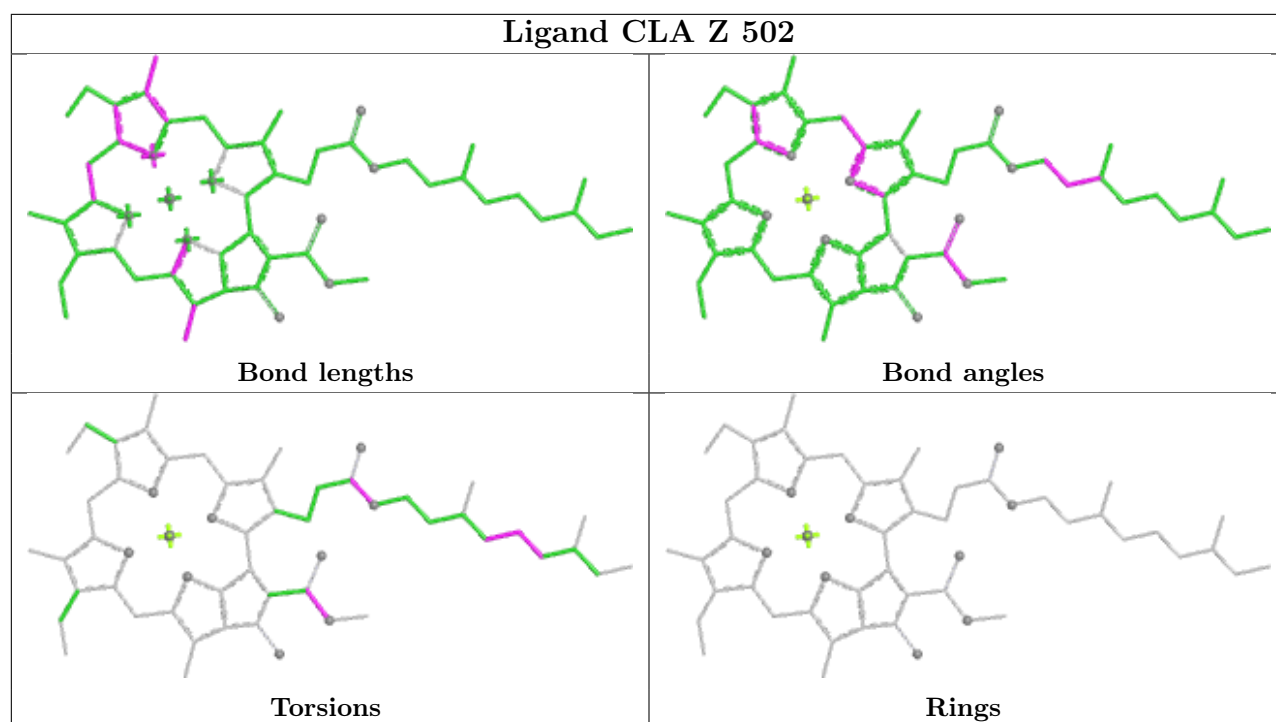
Ligand CLA aA 1139

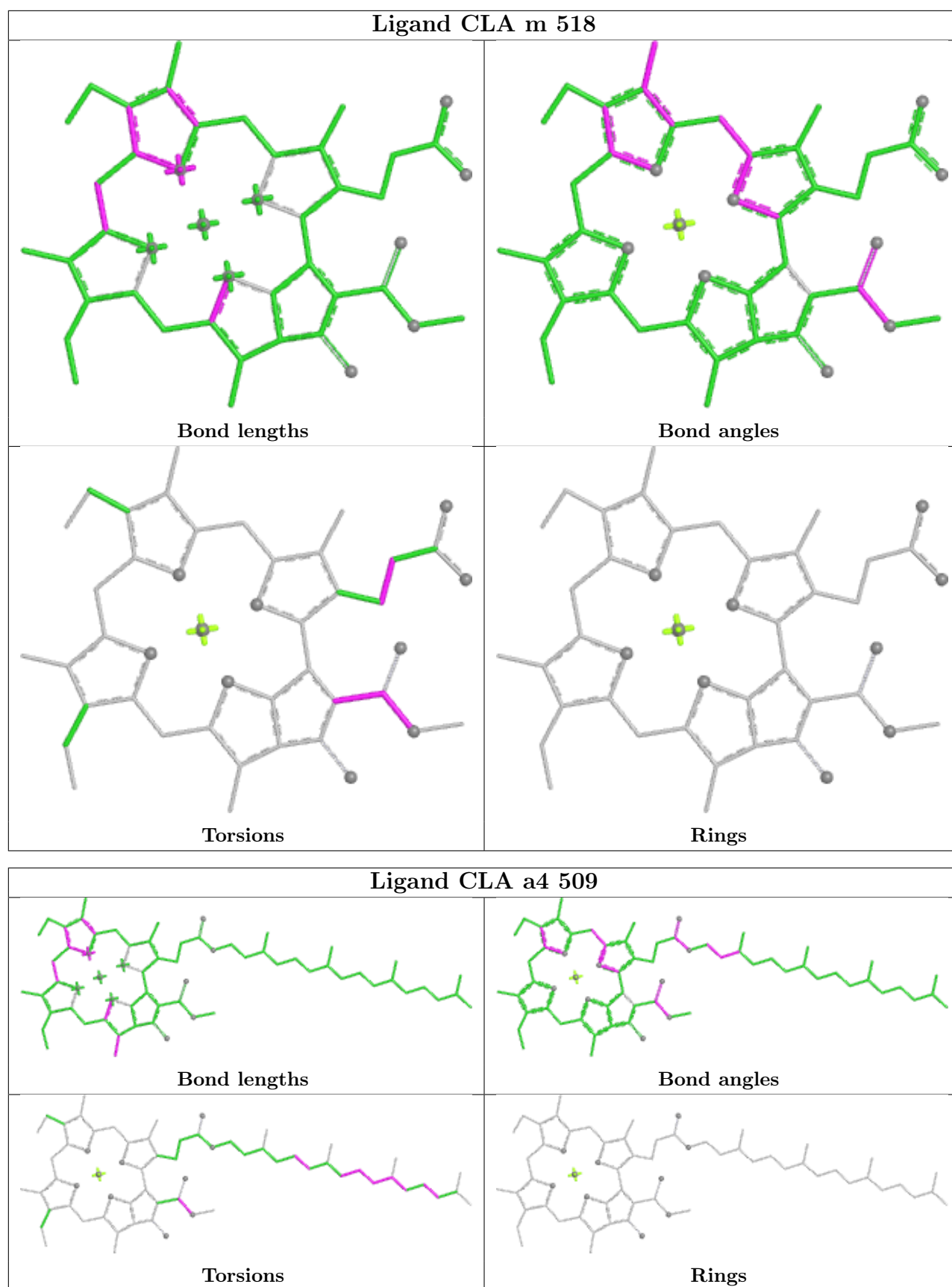


Ligand CLA k 502

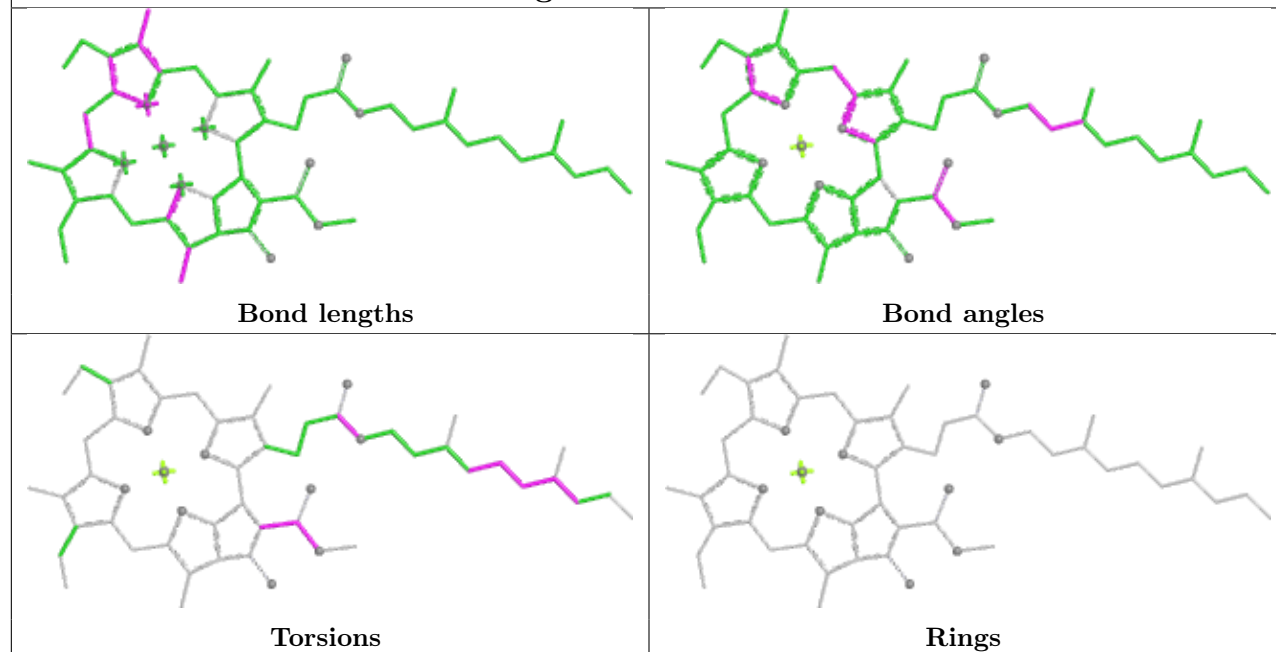




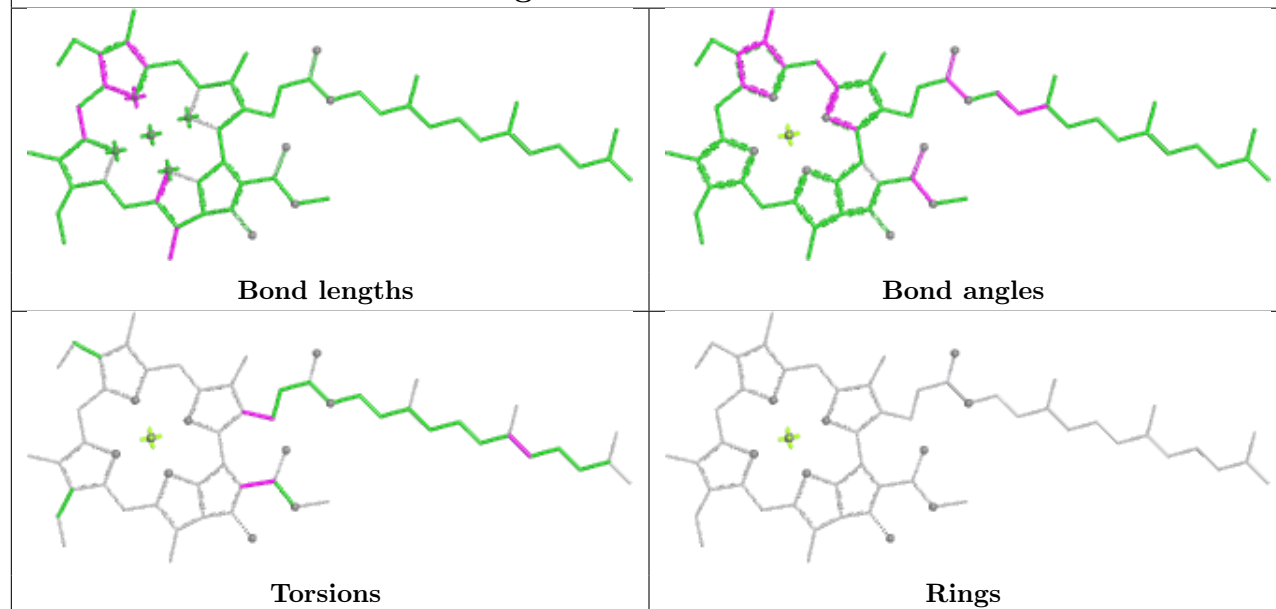




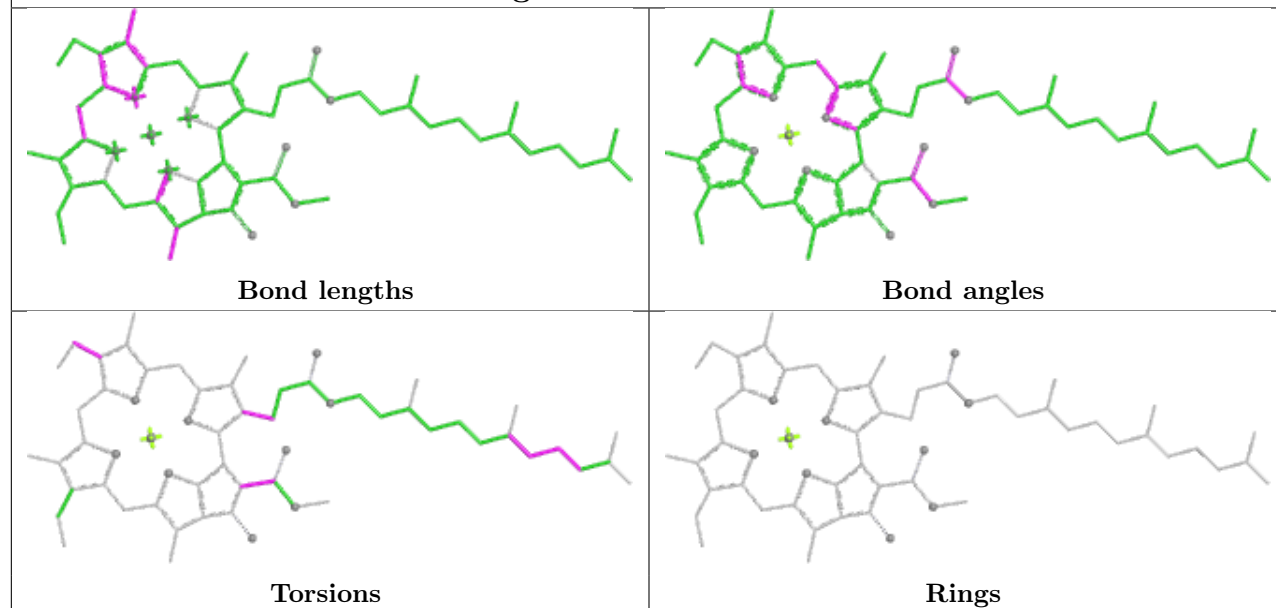
Ligand CLA n 502



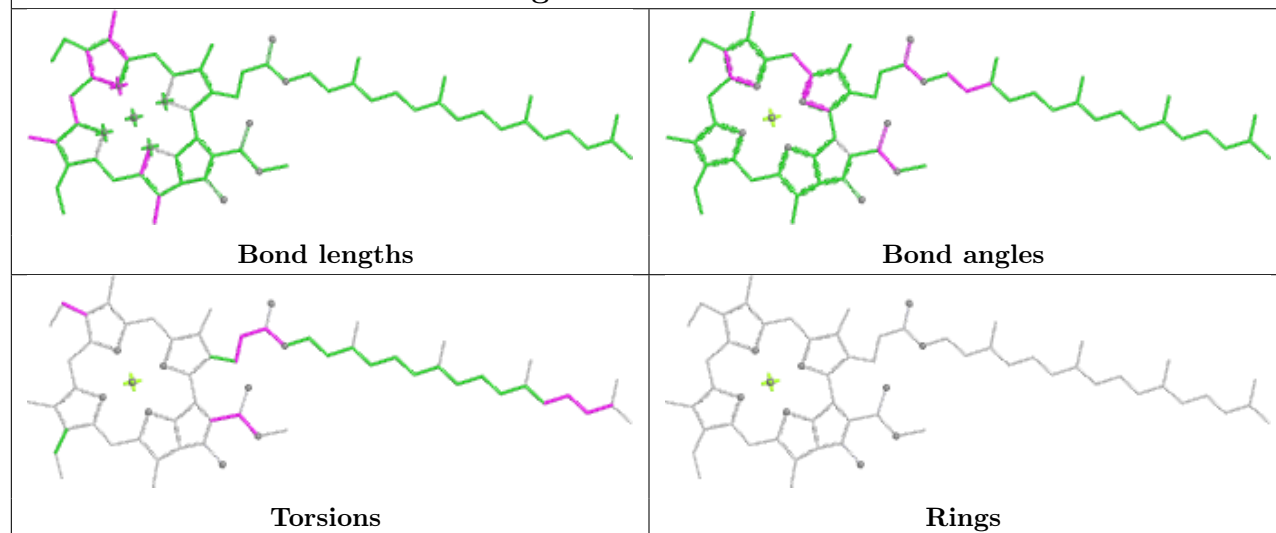
Ligand CLA aB 1222

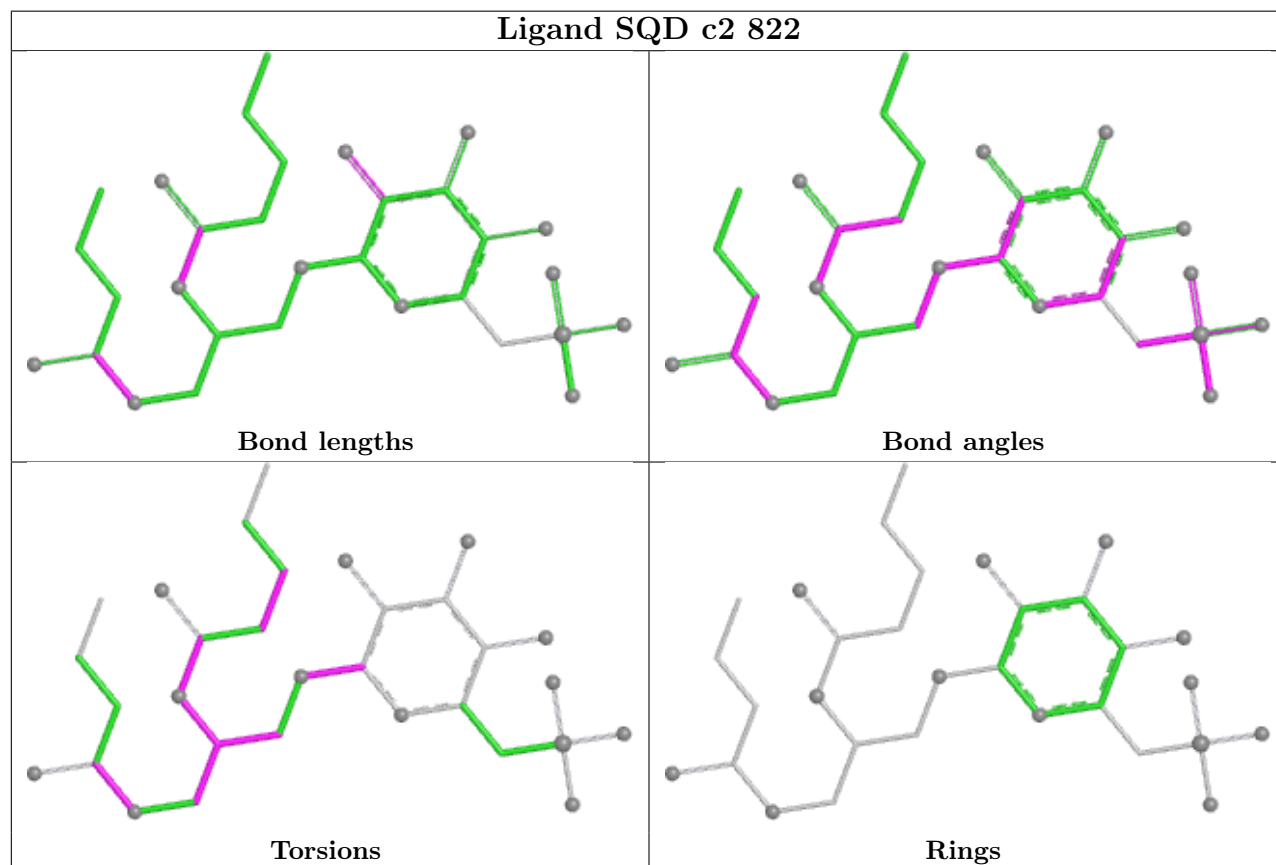
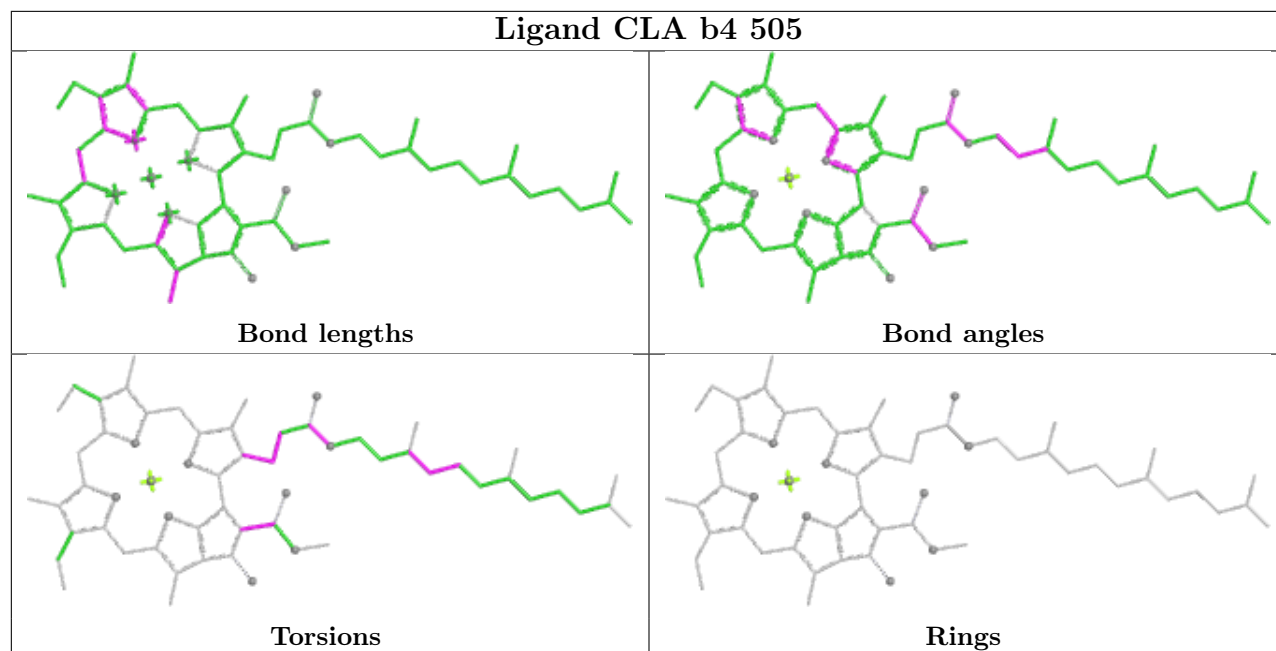


Ligand CLA bA 1101

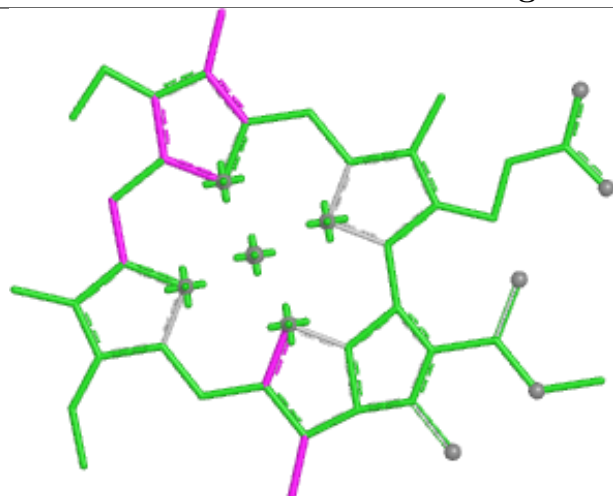


Ligand CLA Y 501

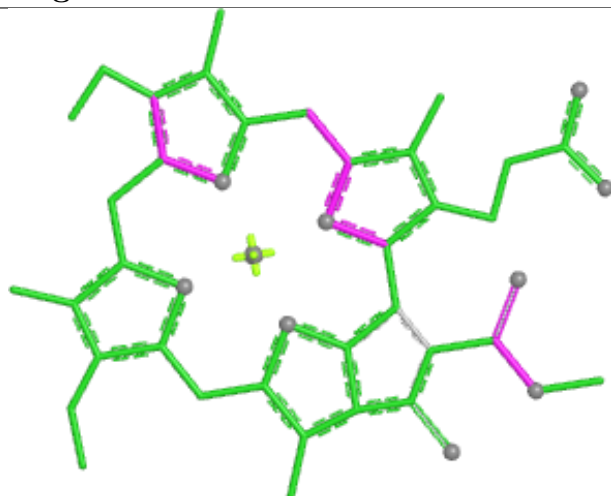




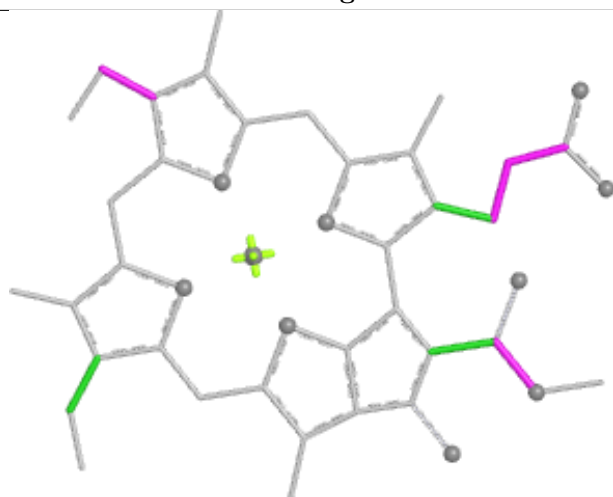
Ligand CLA g 504



Bond lengths



Bond angles

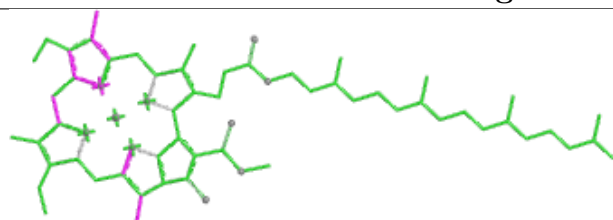


Torsions

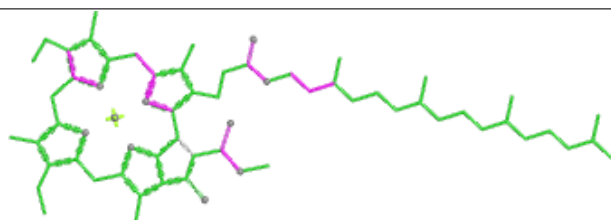


Rings

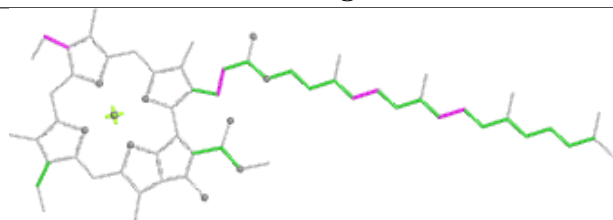
Ligand CLA bB 1238



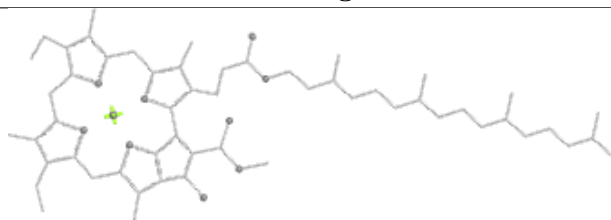
Bond lengths



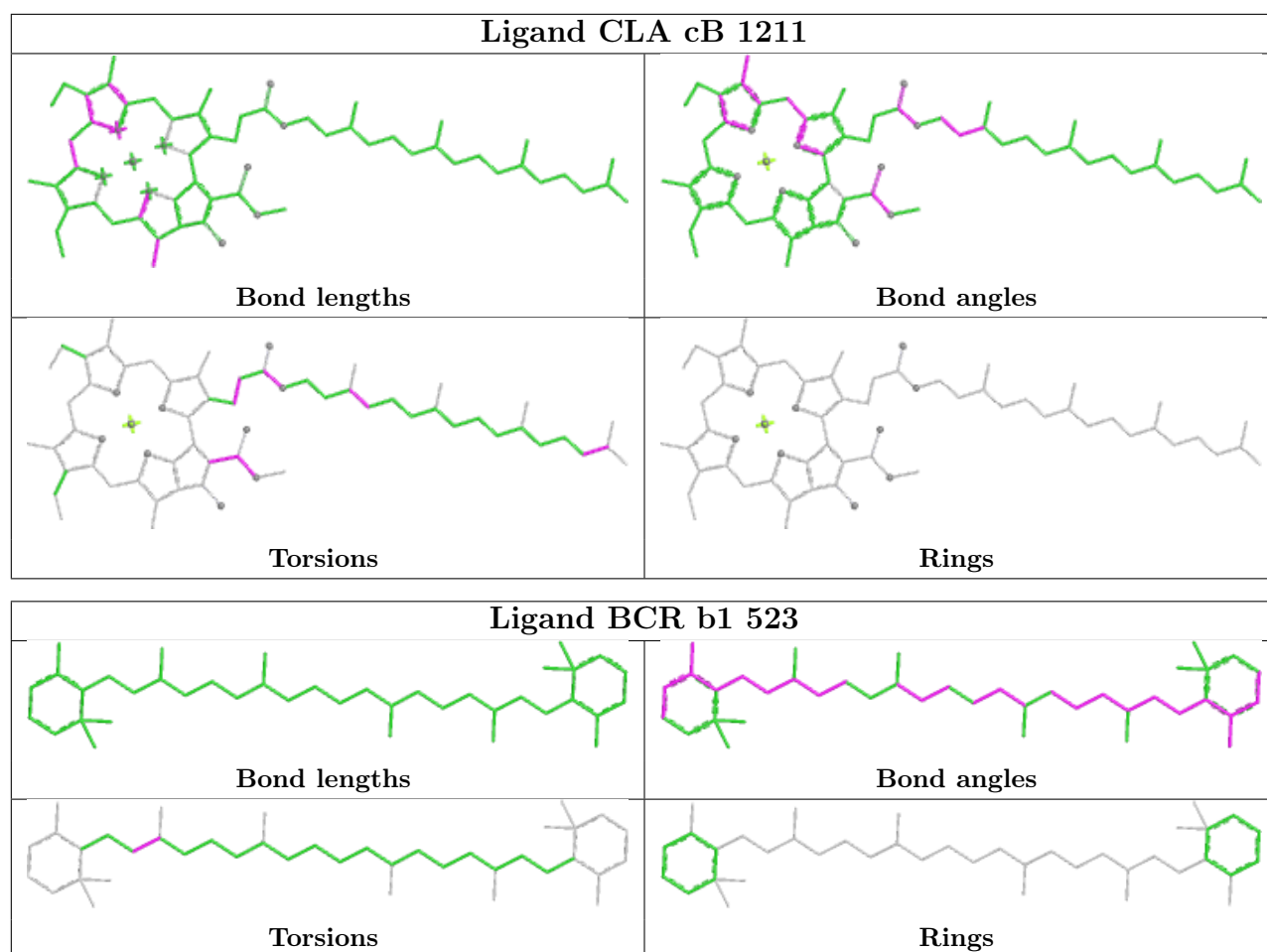
Bond angles



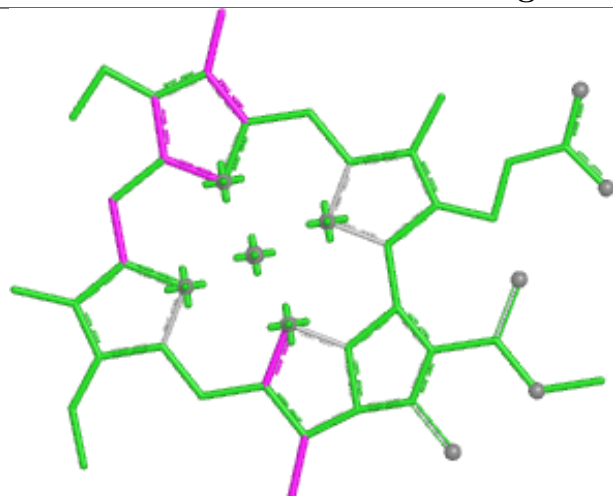
Torsions



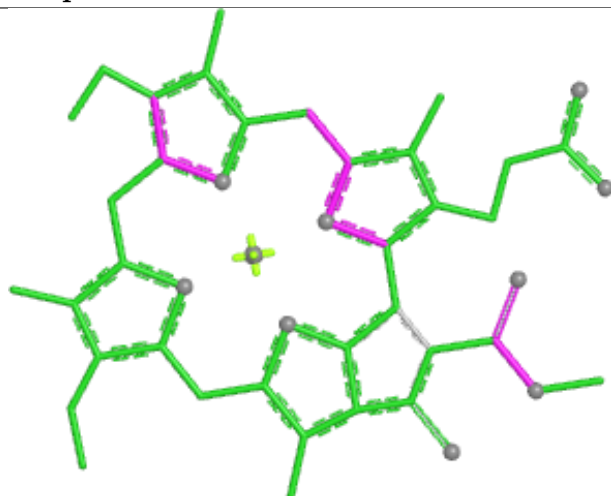
Rings



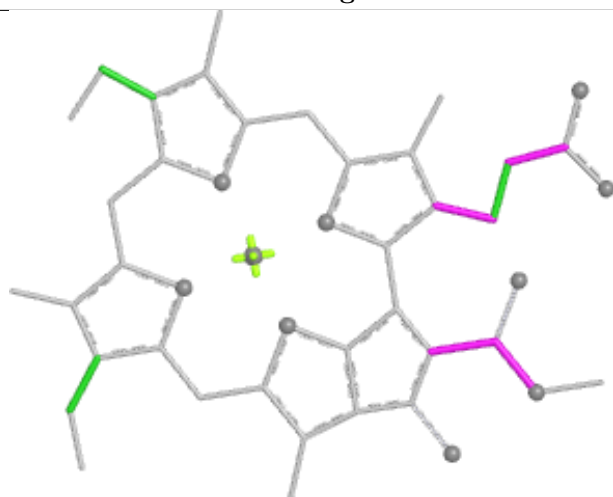
Ligand CLA q 511



Bond lengths



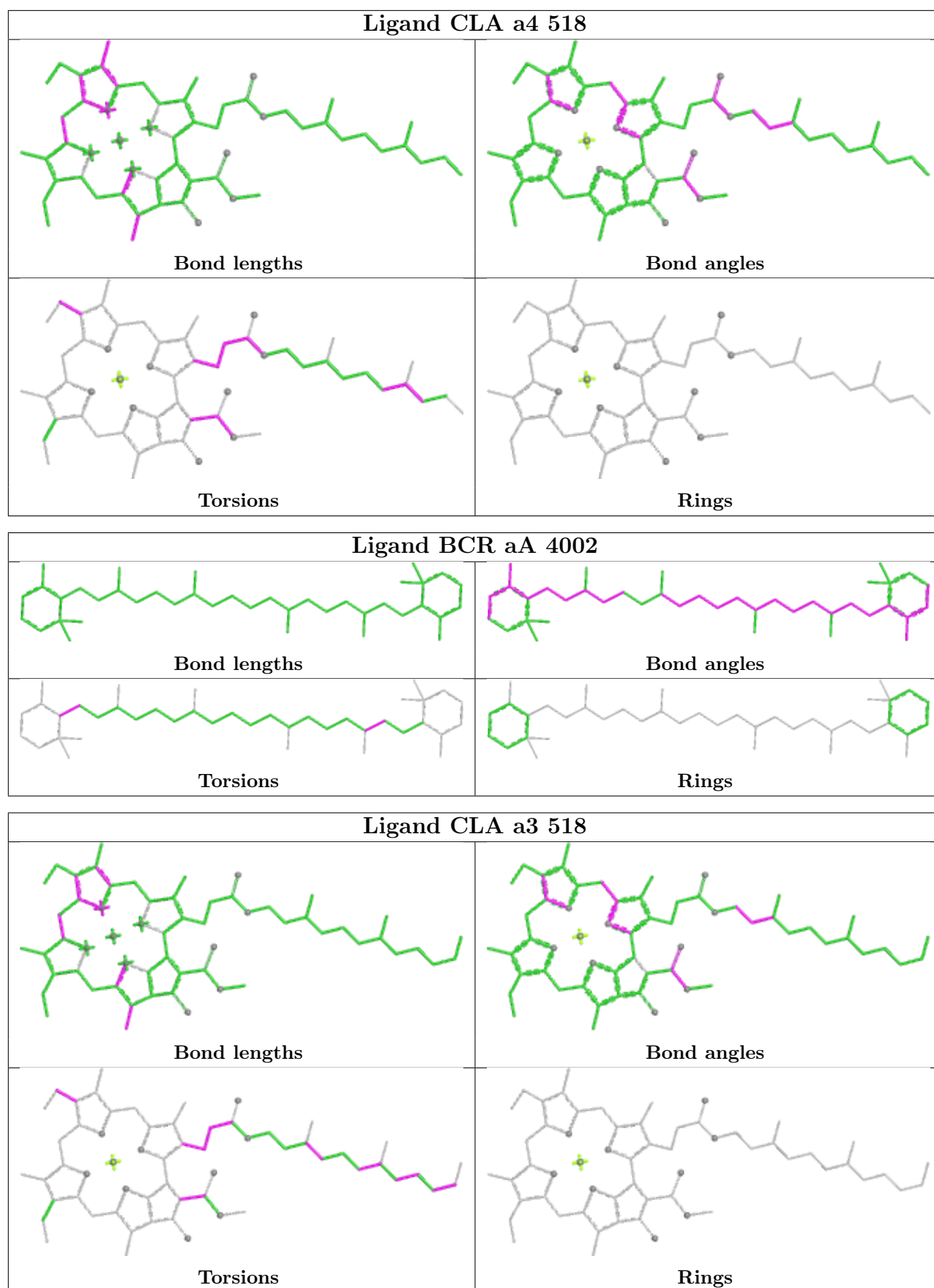
Bond angles



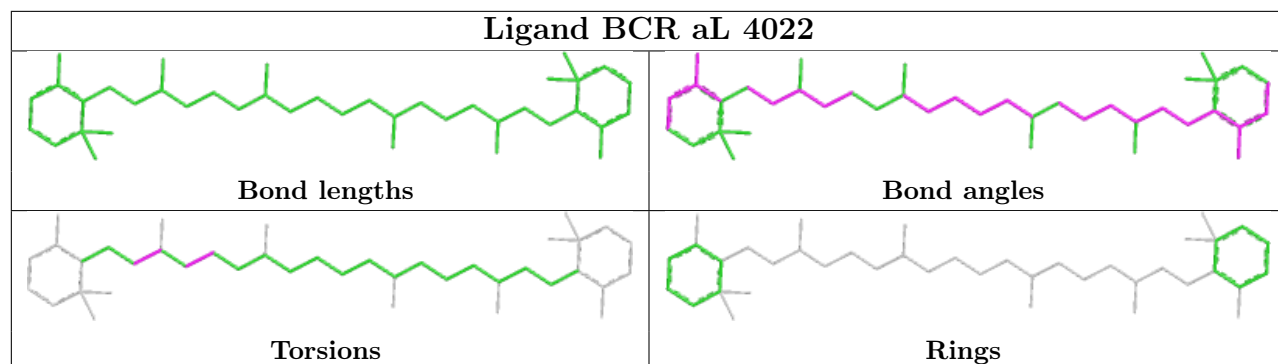
Torsions



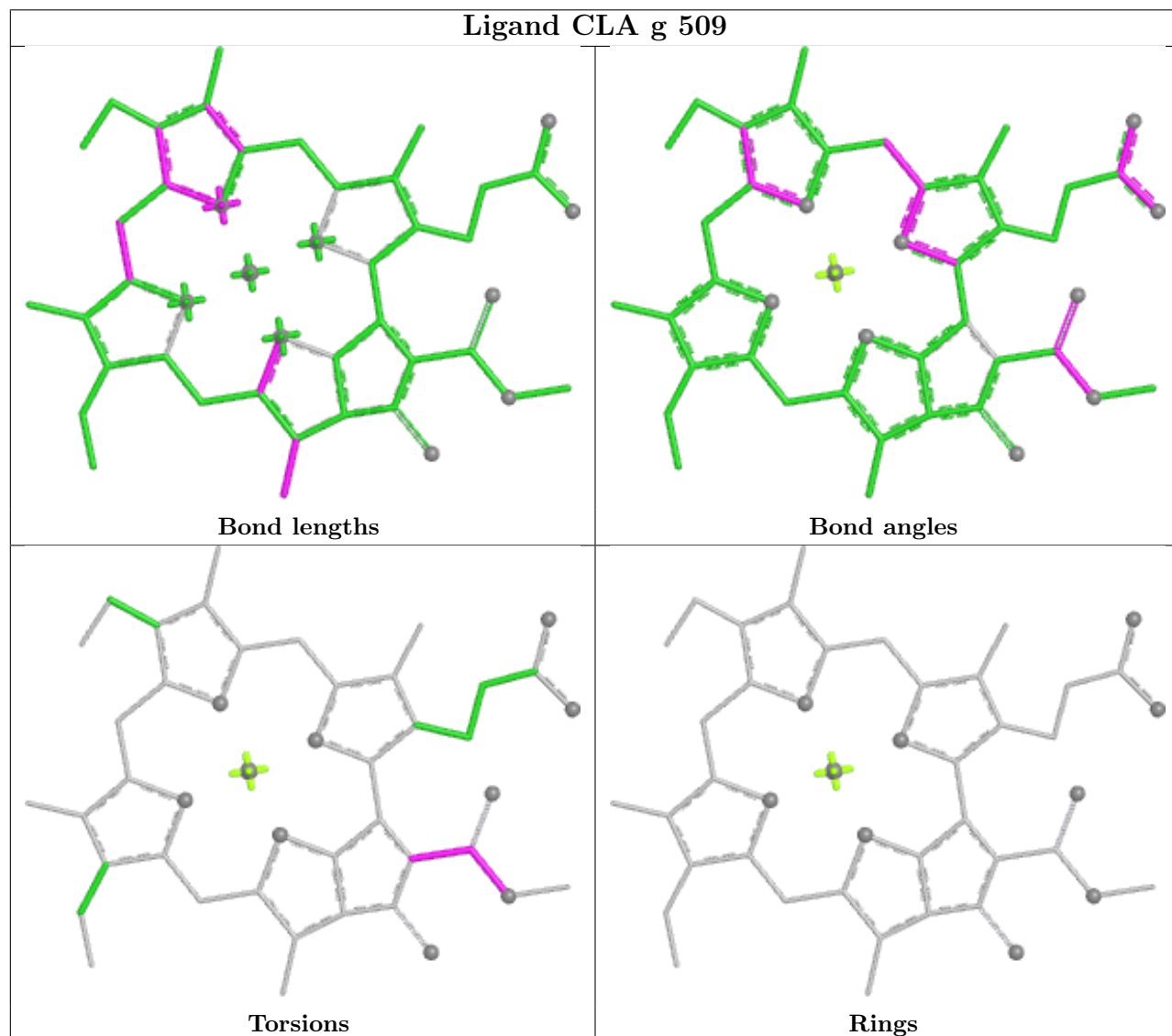
Rings



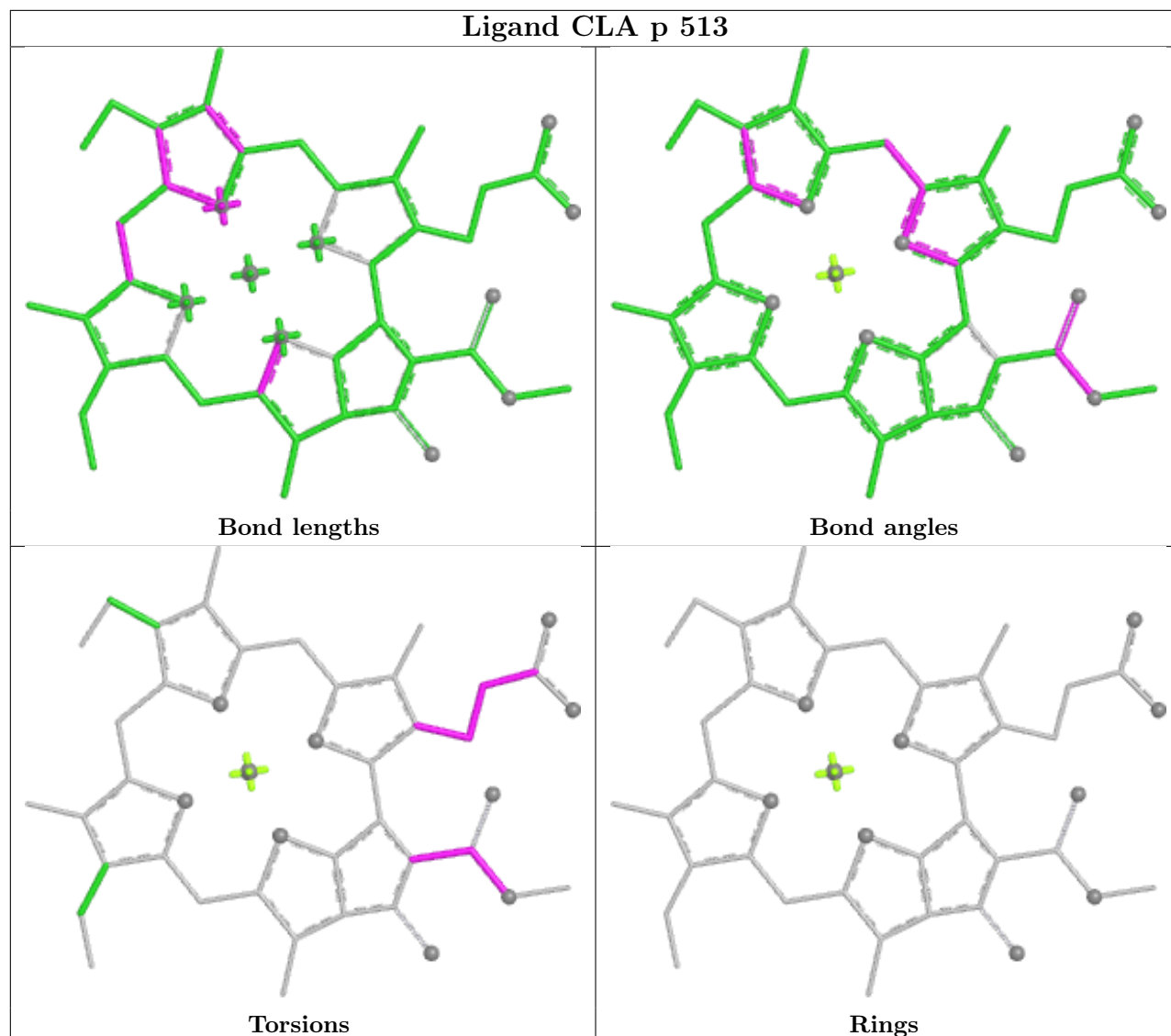
Ligand BCR aL 4022



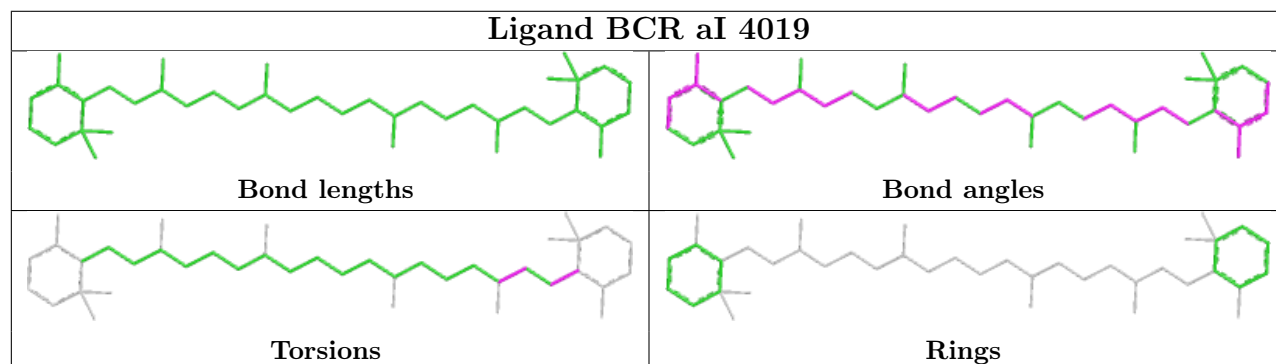
Ligand CLA g 509

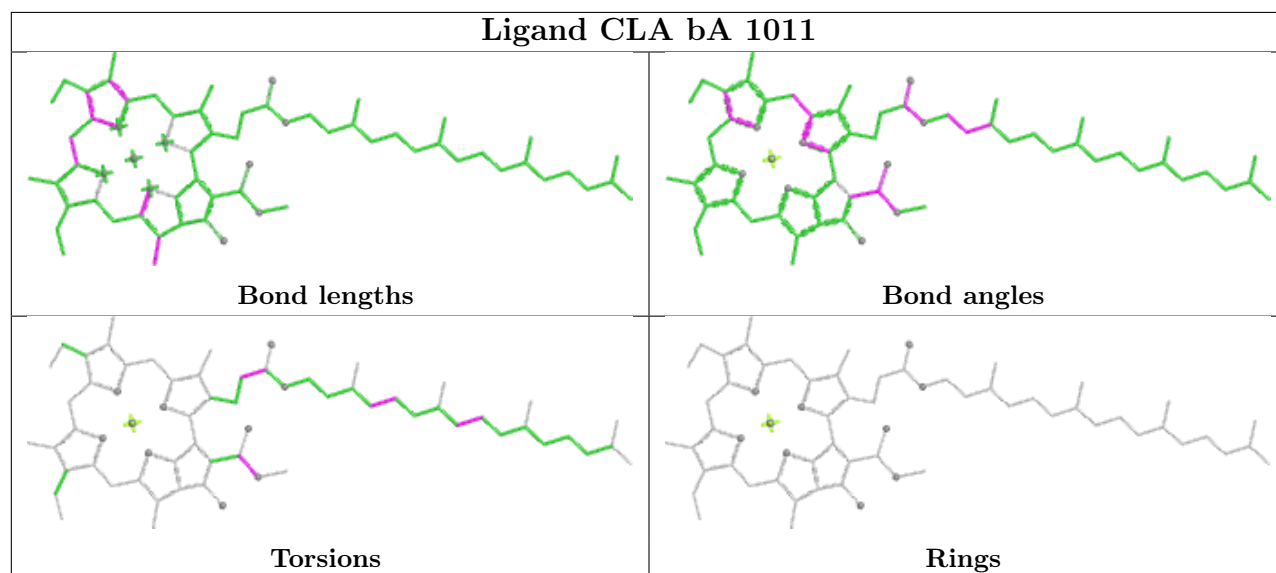
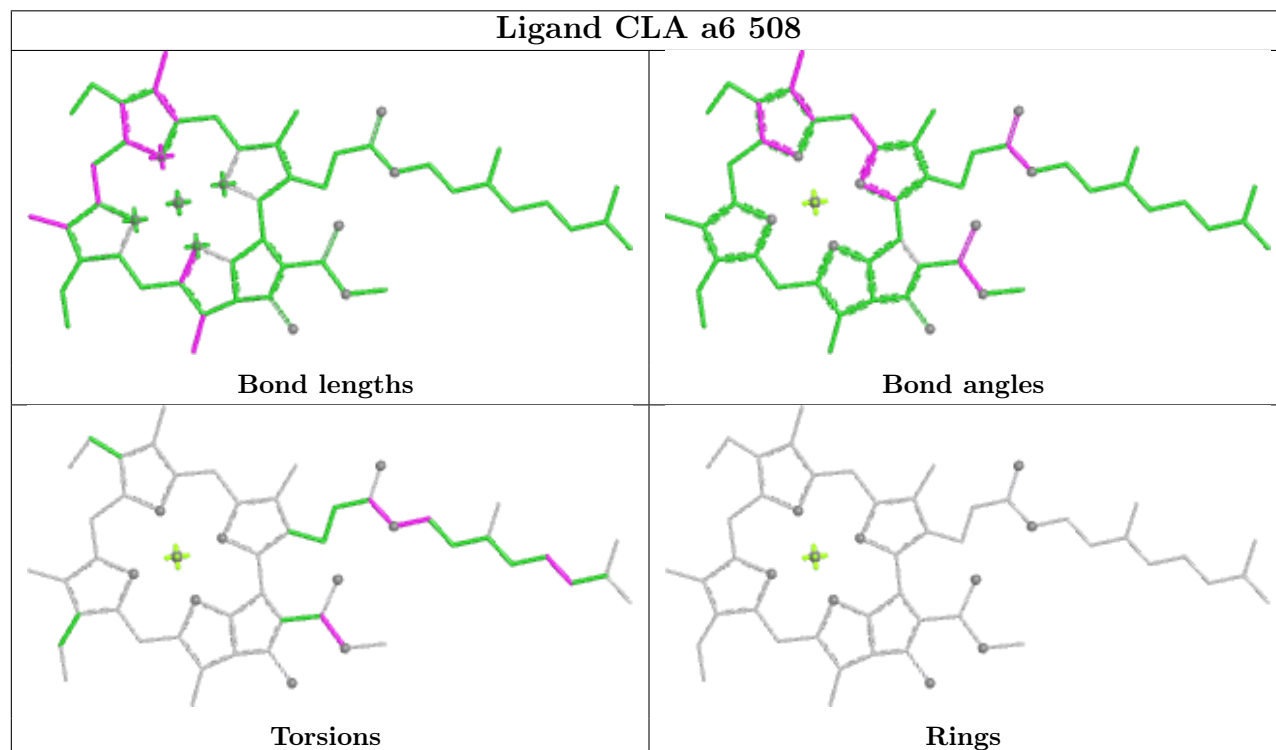
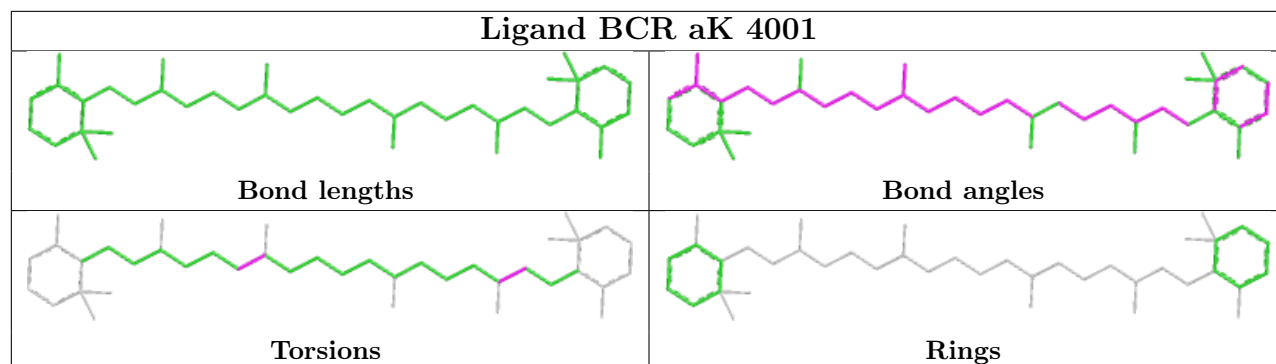


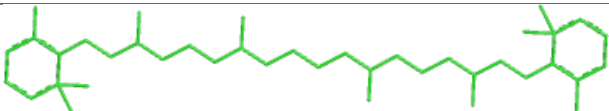
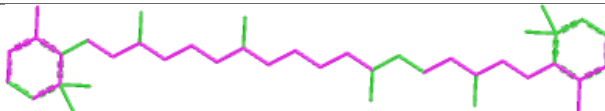
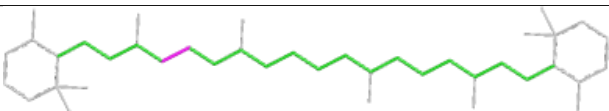
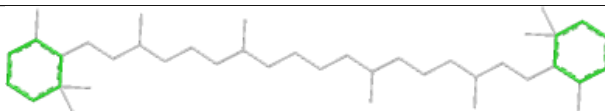
Ligand CLA p 513


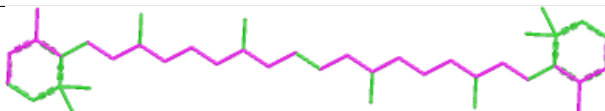
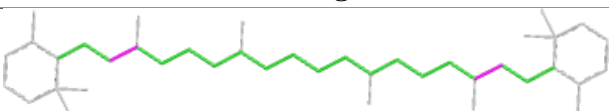
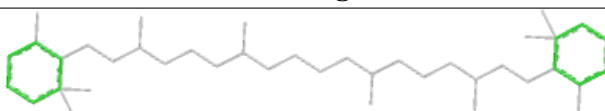


Ligand BCR aI 4019

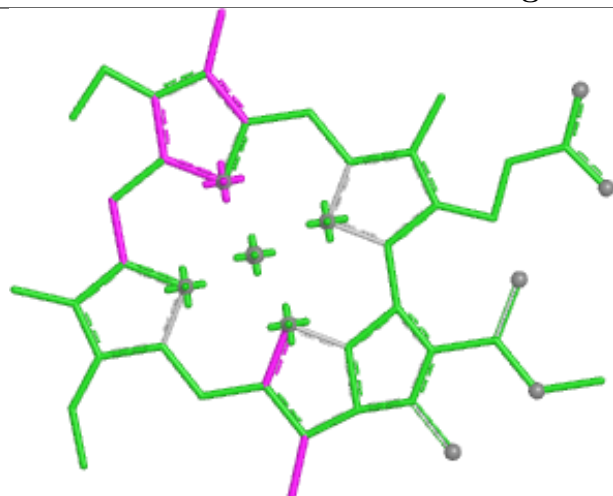




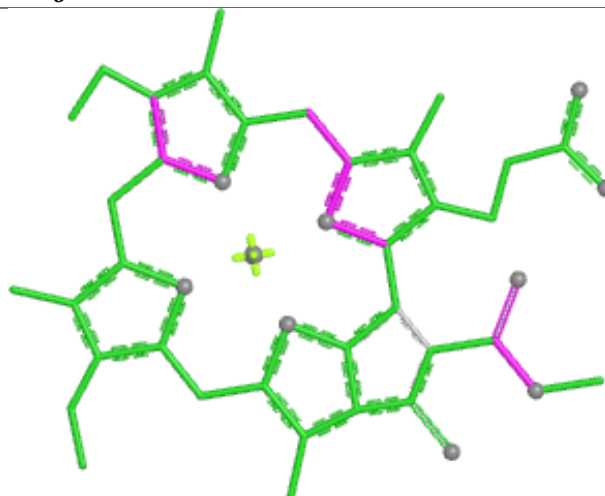
Ligand BCR cF 4015	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand BCR c 521	
	
Bond lengths	Bond angles
	
Torsions	Rings

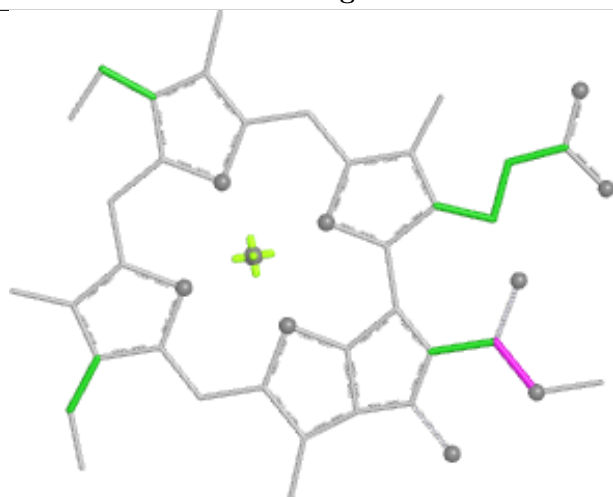
Ligand CLA j 502



Bond lengths



Bond angles

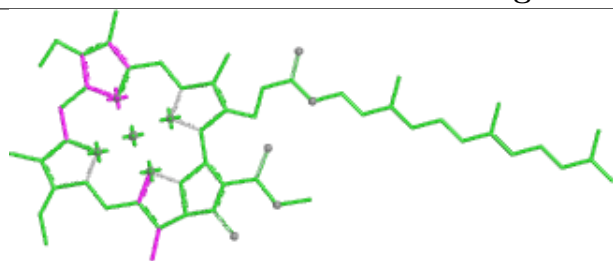


Torsions

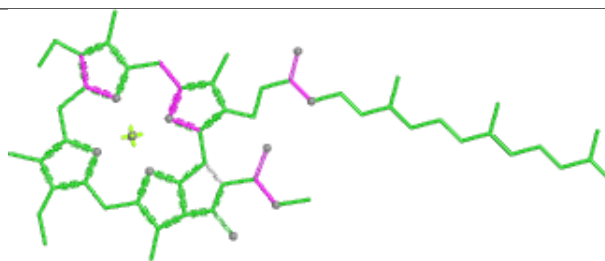


Rings

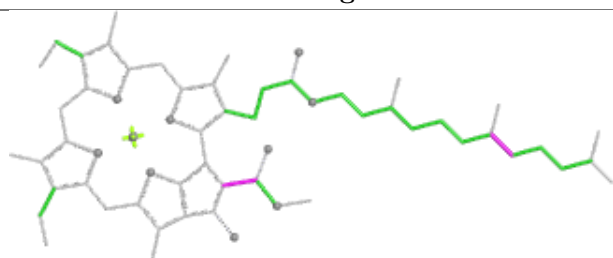
Ligand CLA Y 507



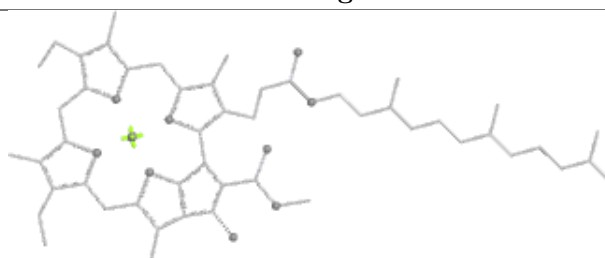
Bond lengths



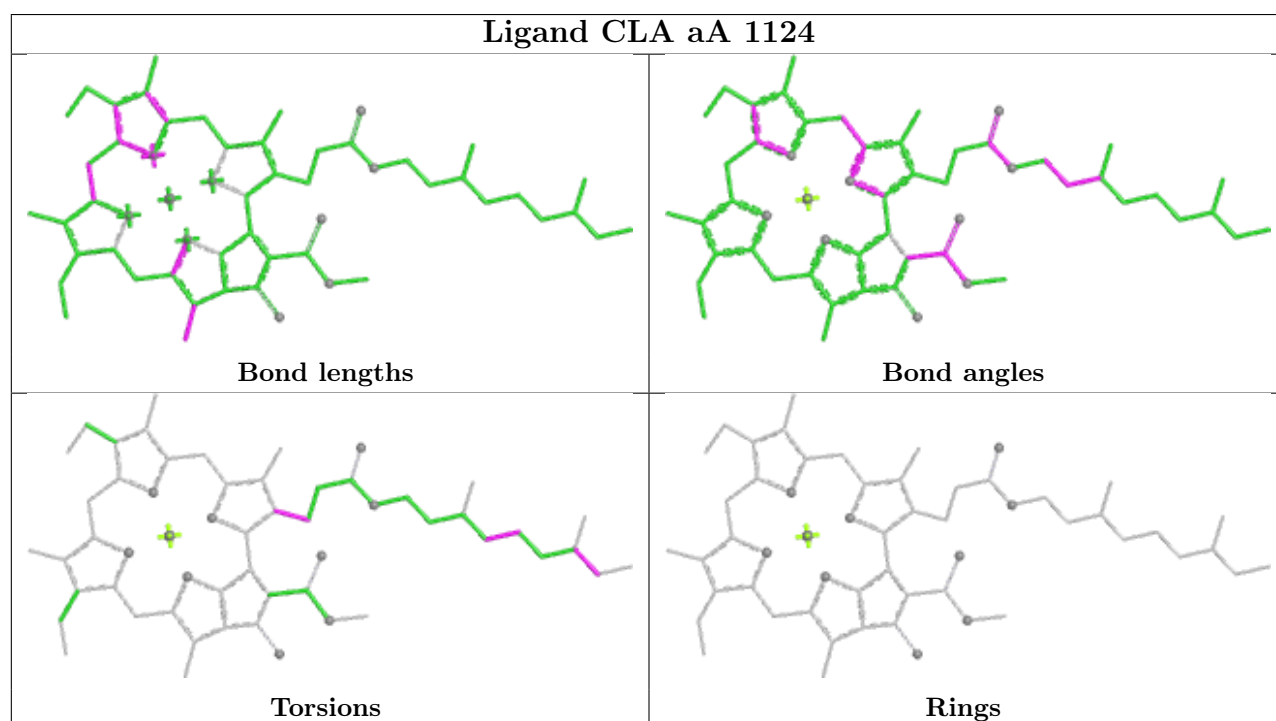
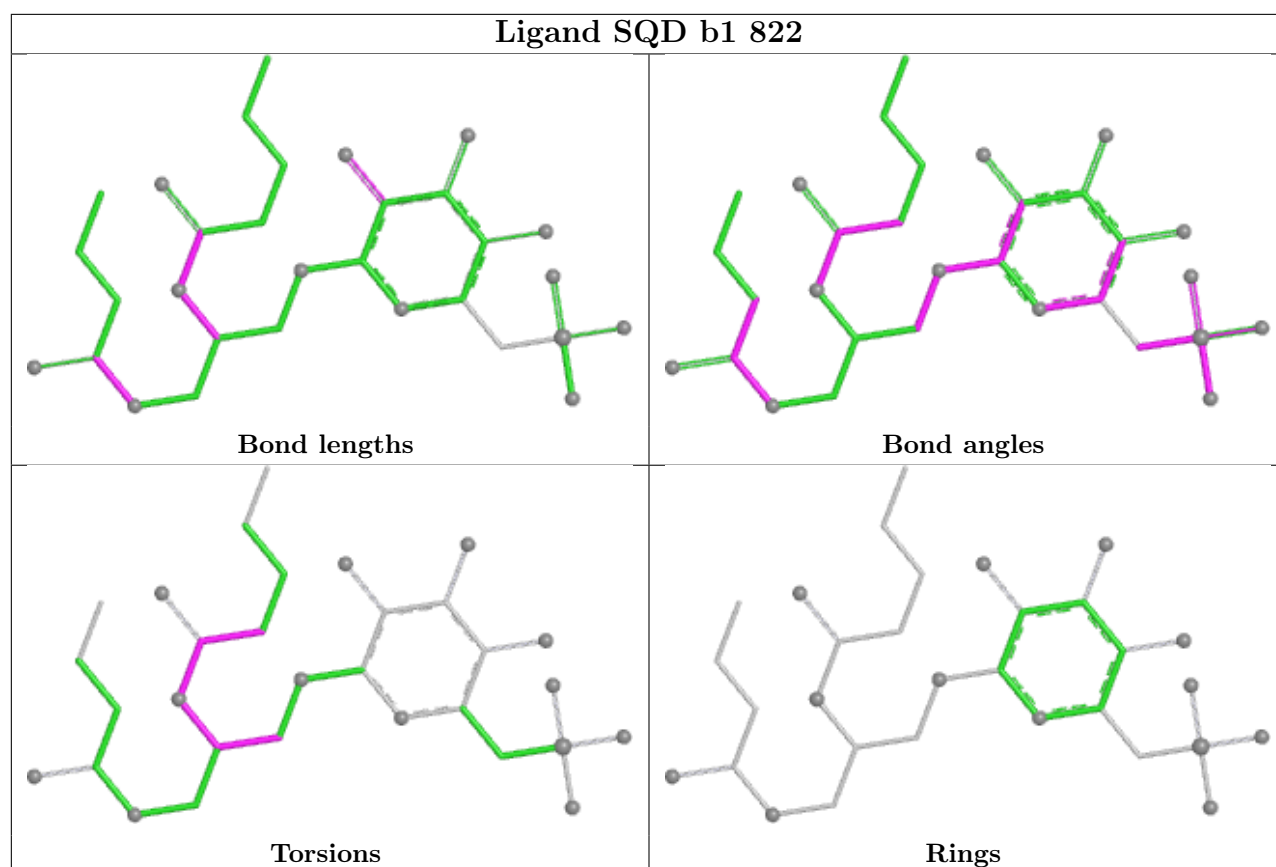
Bond angles

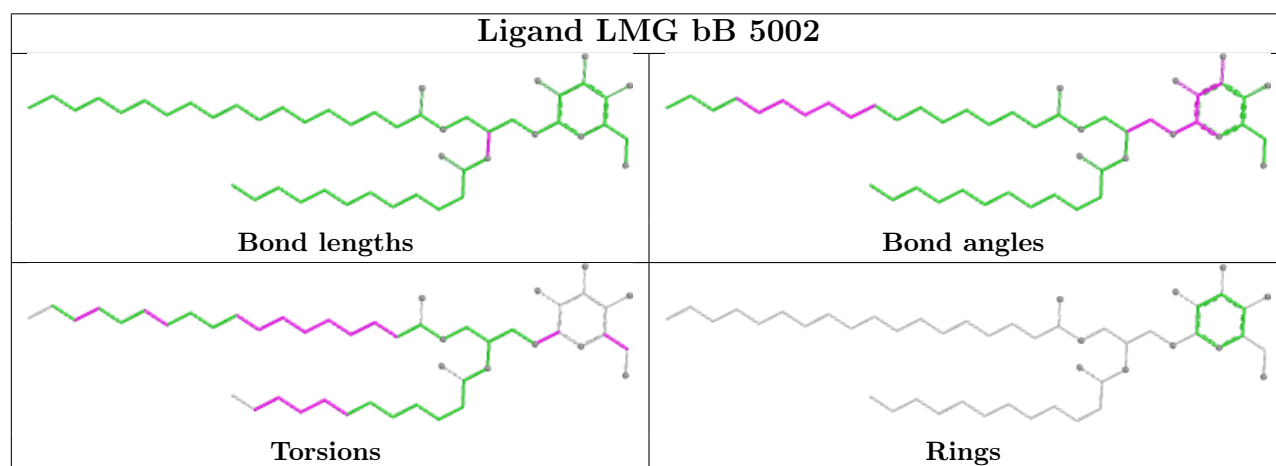
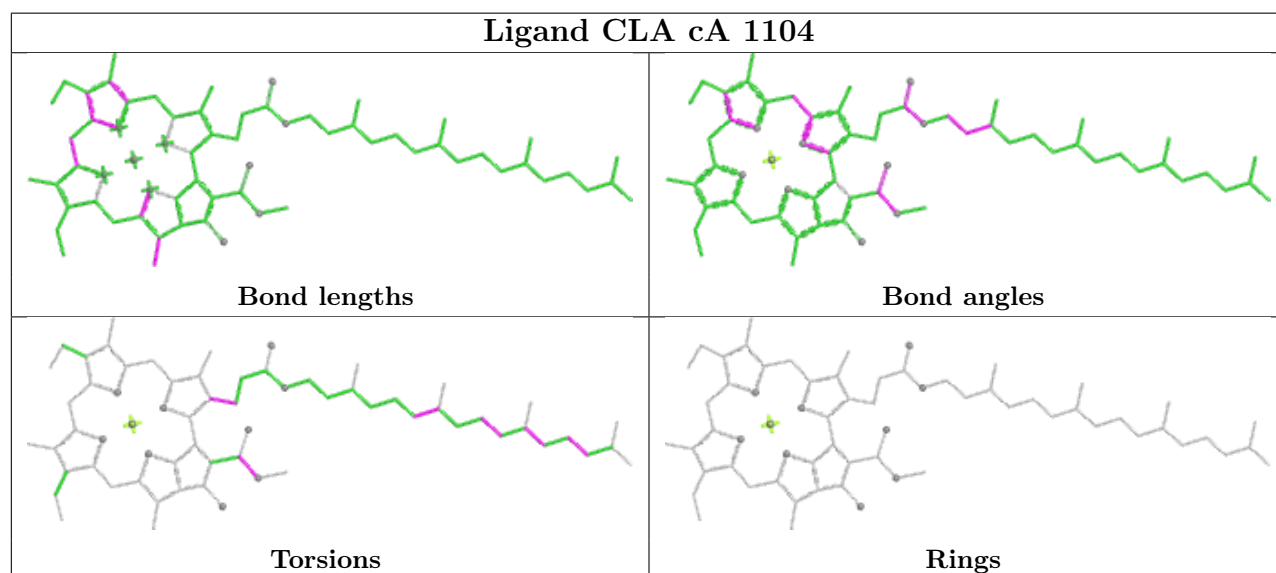
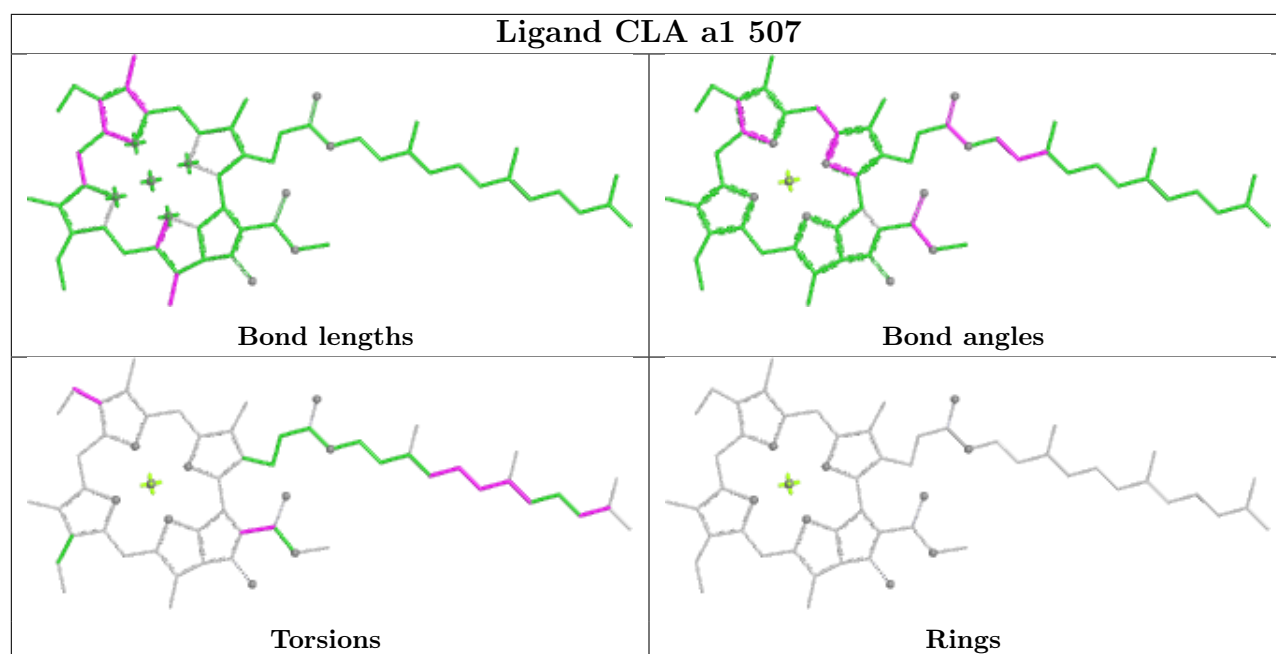


Torsions

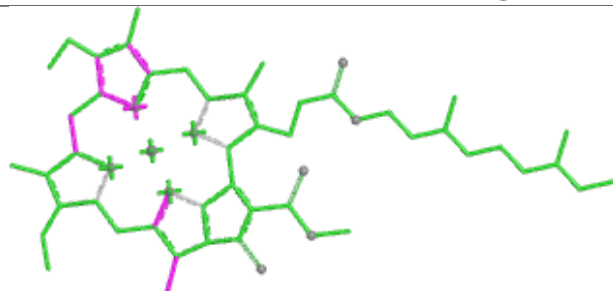


Rings

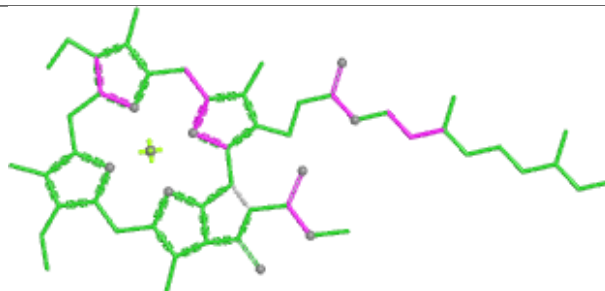




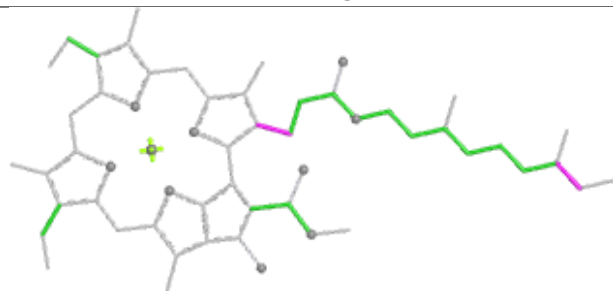
Ligand CLA bA 1124



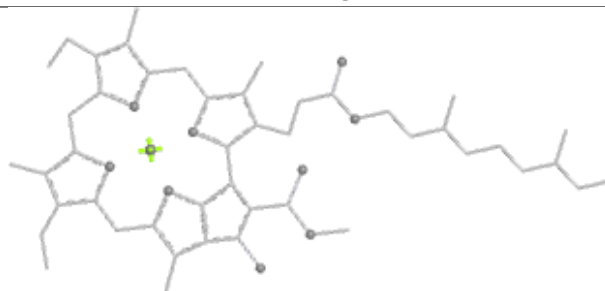
Bond lengths



Bond angles

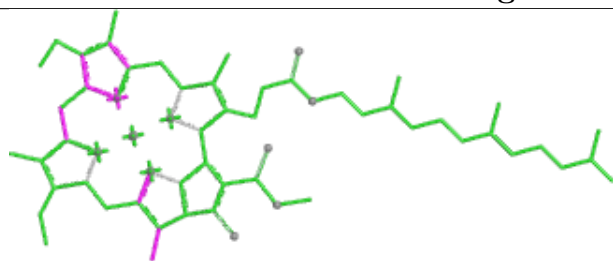


Torsions

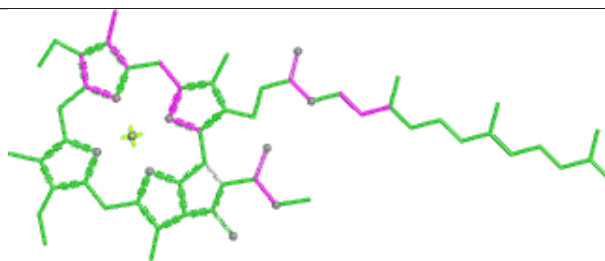


Rings

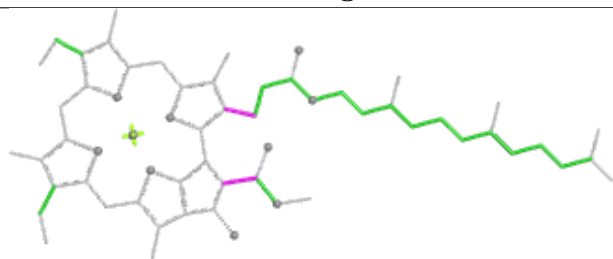
Ligand CLA cB 1222



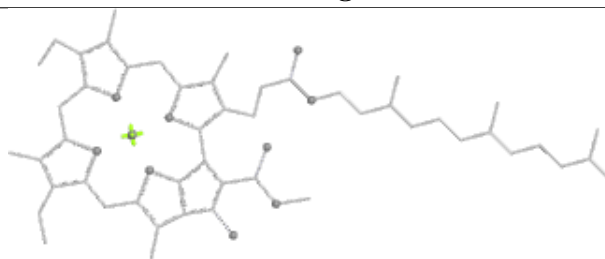
Bond lengths



Bond angles

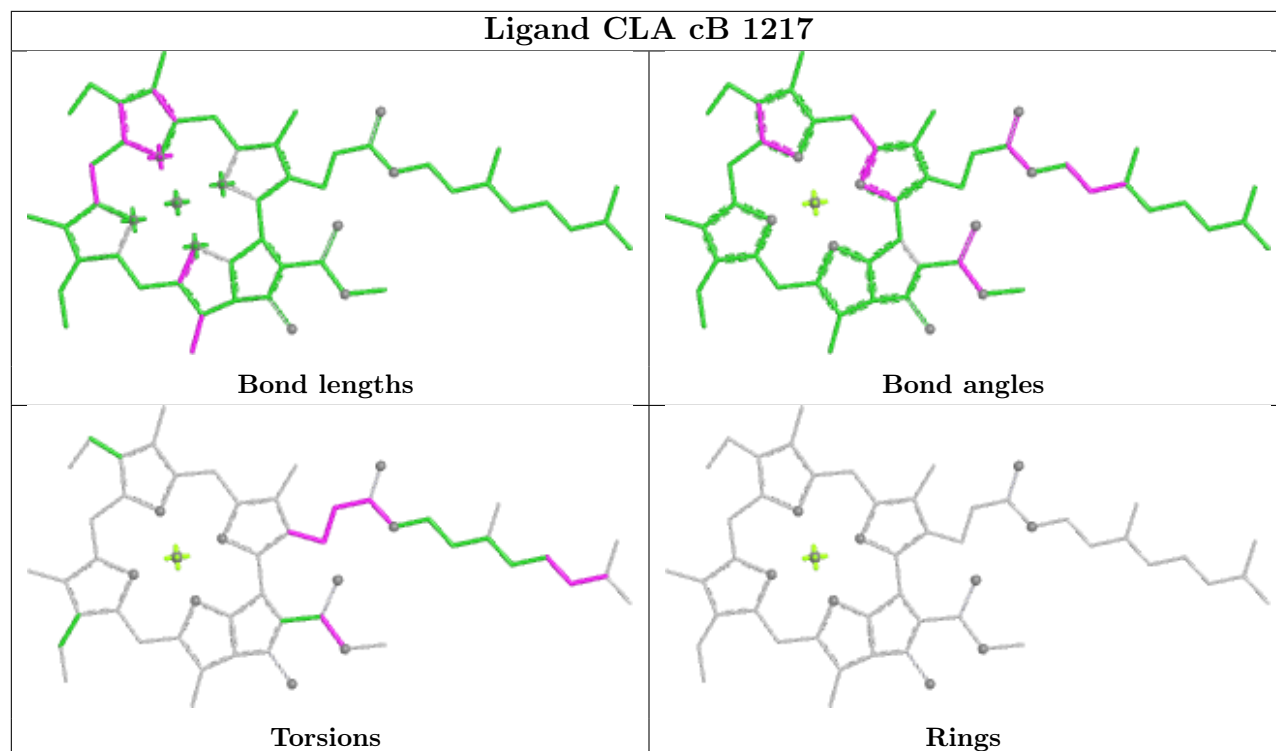


Torsions

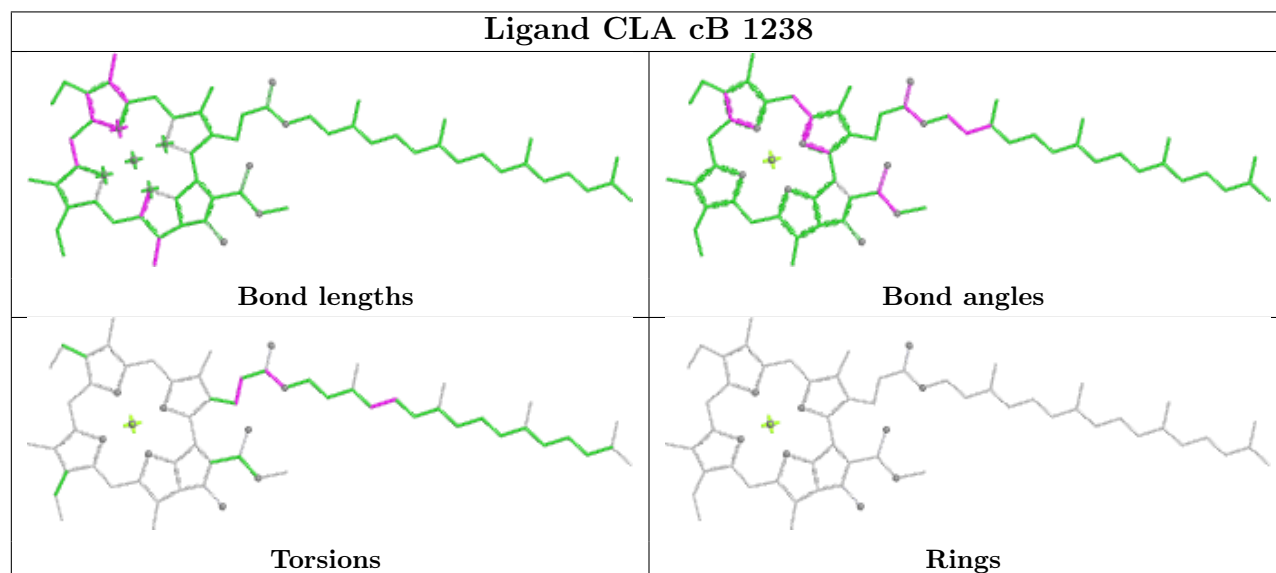


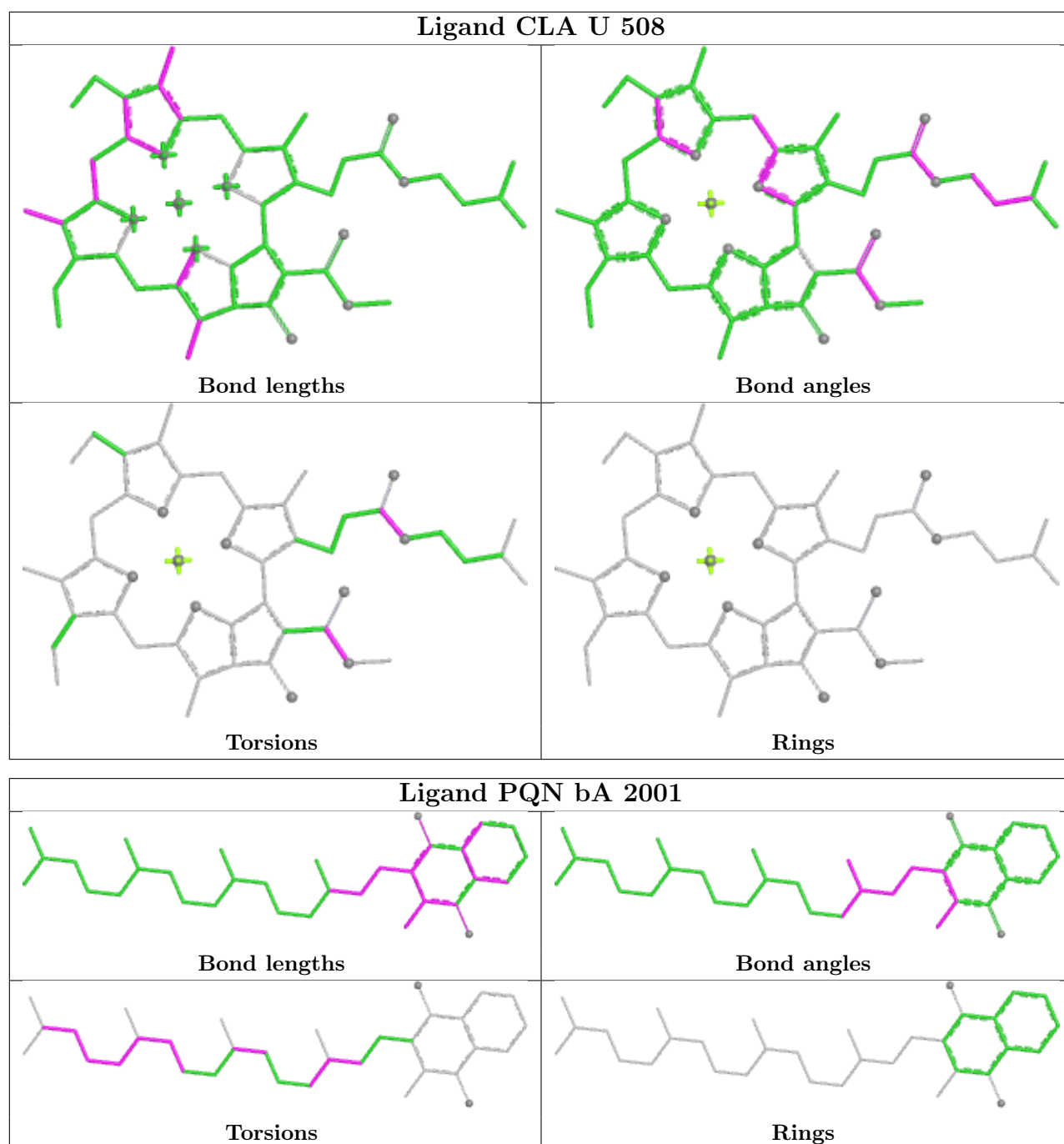
Rings

Ligand CLA cB 1217

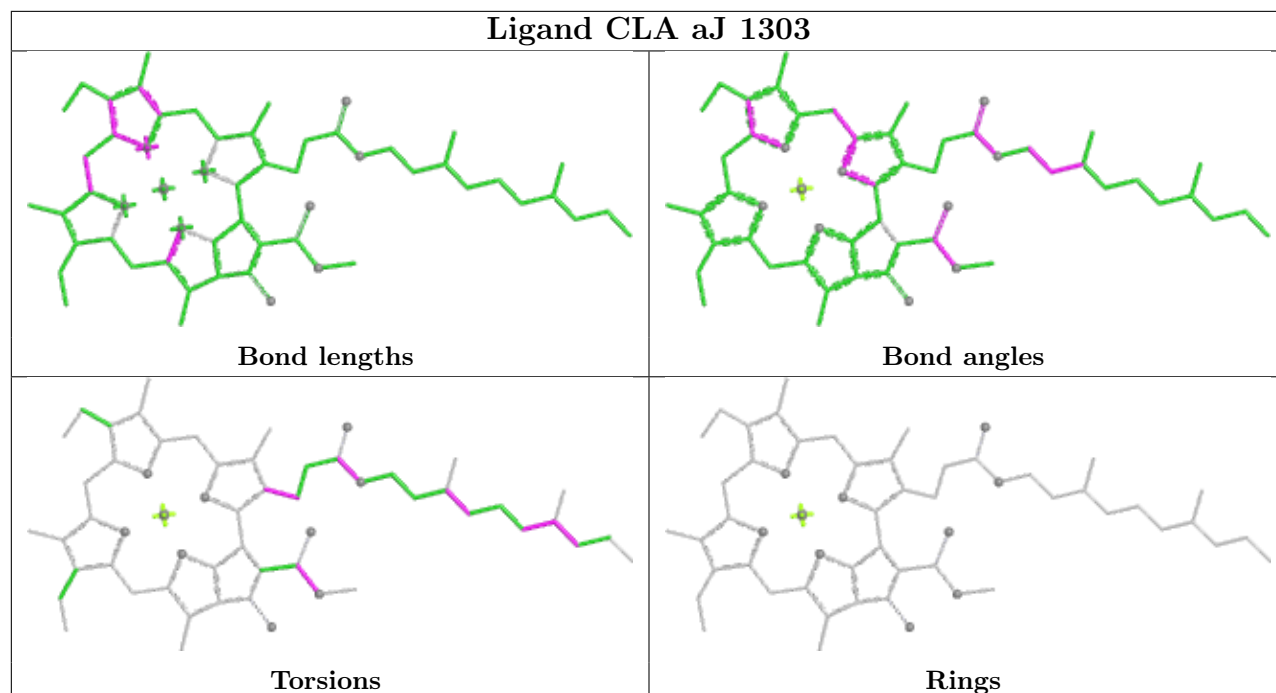


Ligand CLA cB 1238

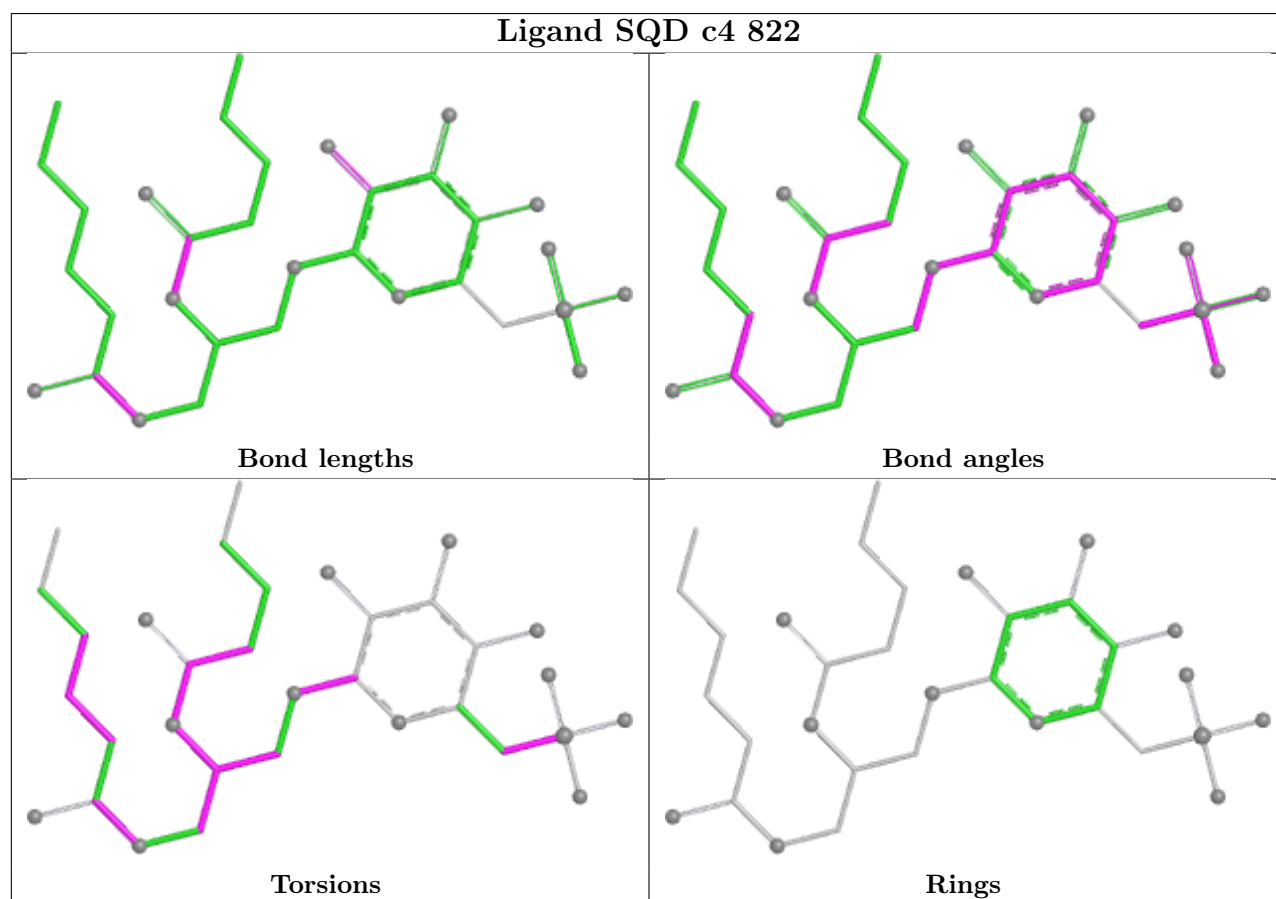


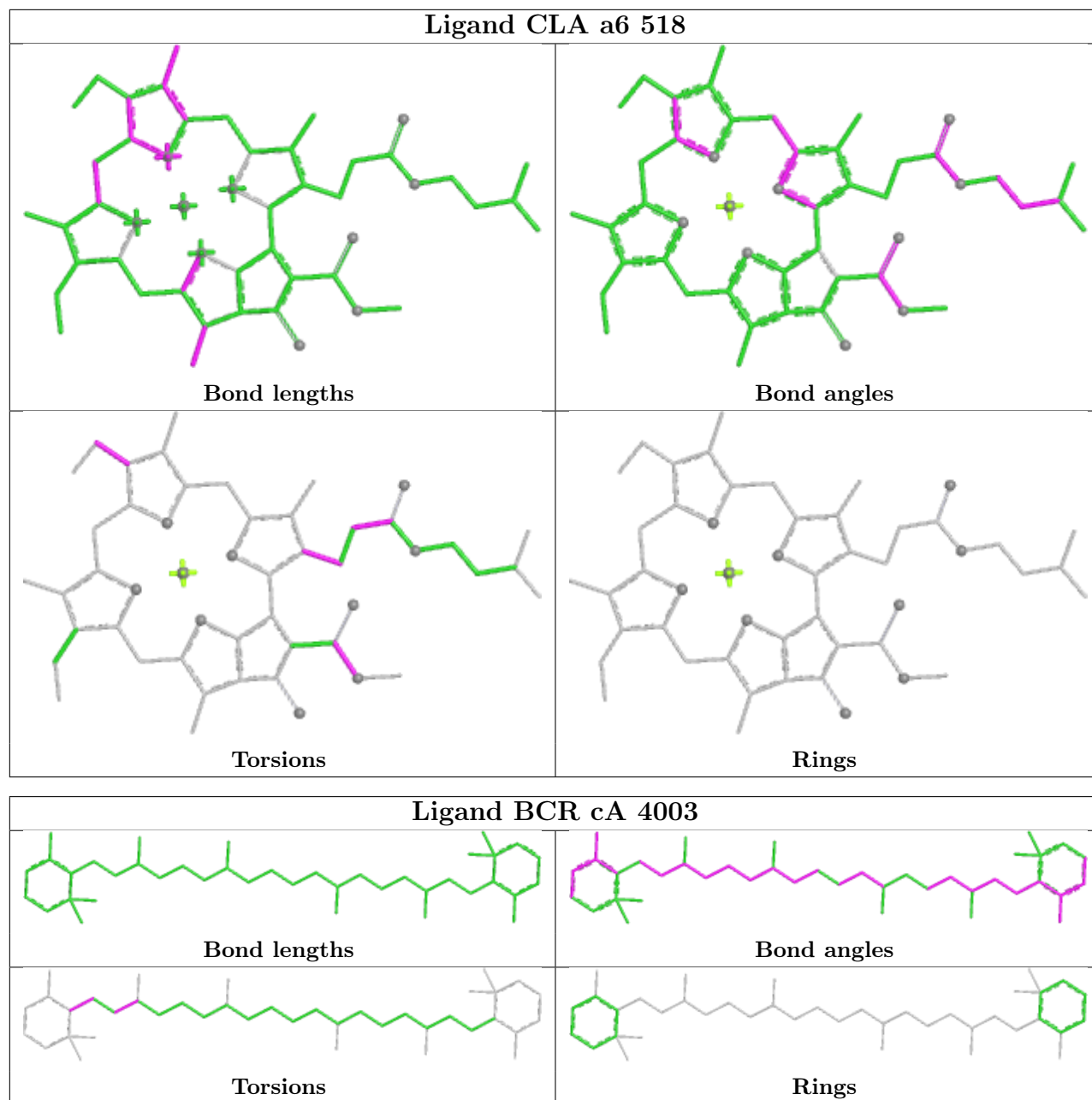


Ligand CLA aJ 1303

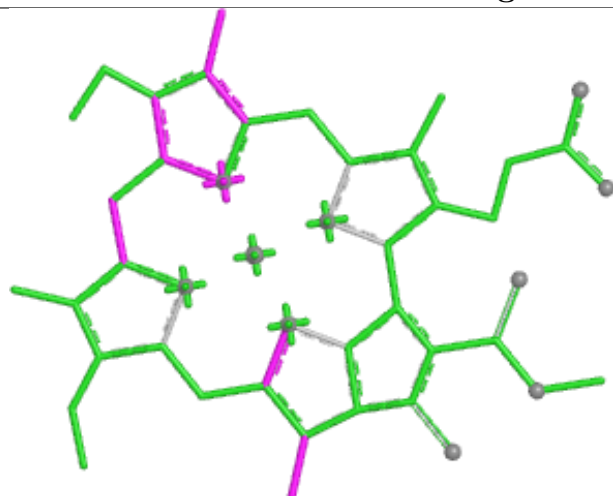


Ligand SQD c4 822

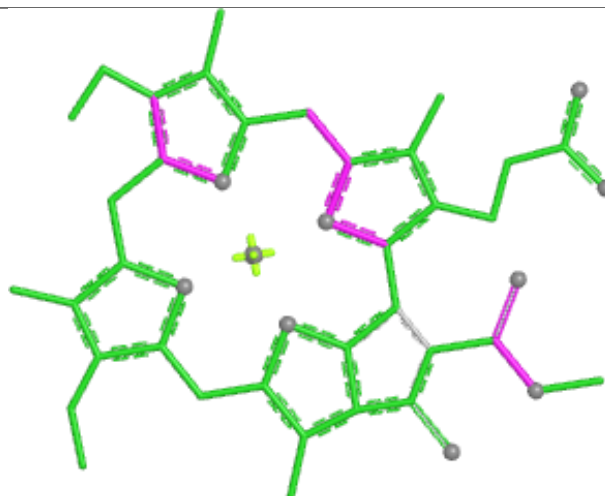




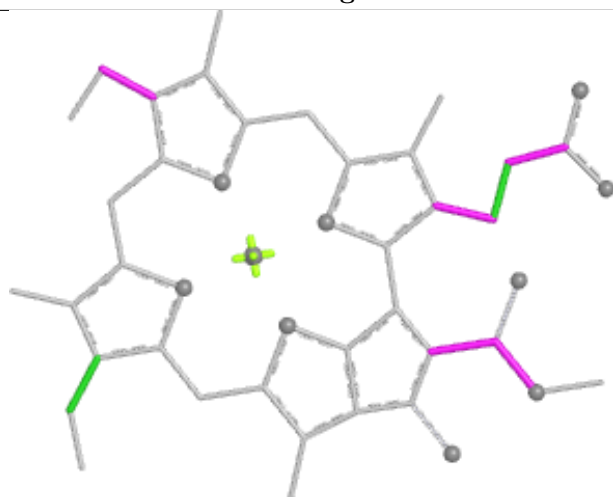
Ligand CLA cB 1232



Bond lengths



Bond angles

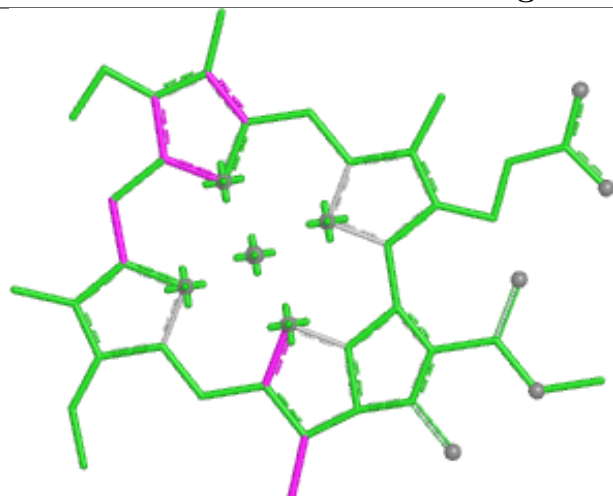


Torsions

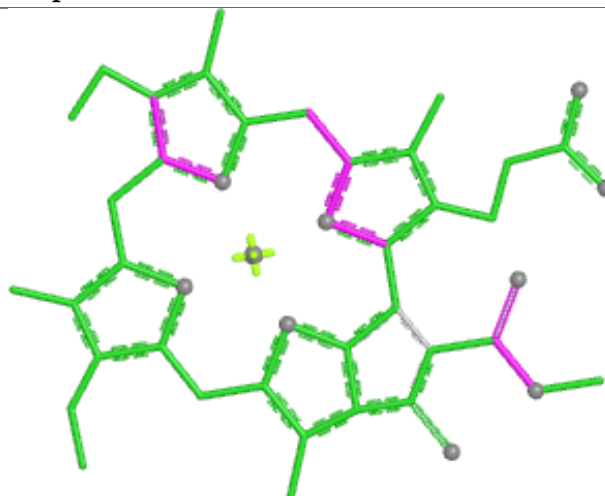


Rings

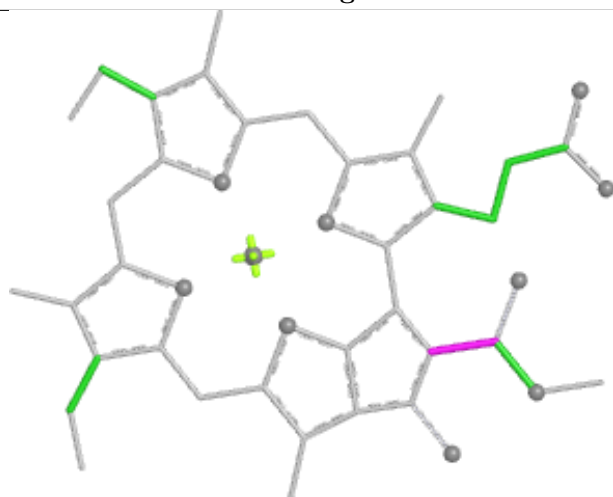
Ligand CLA p 503



Bond lengths



Bond angles

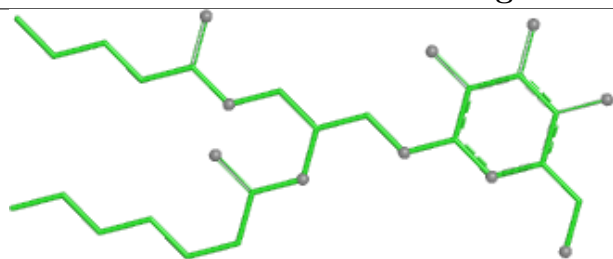


Torsions

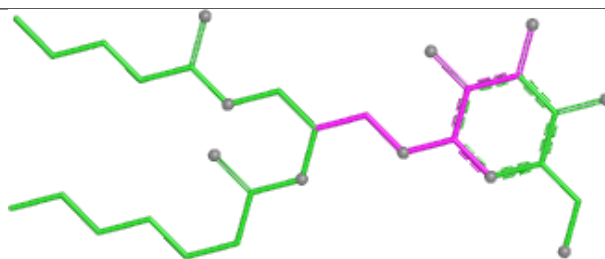


Rings

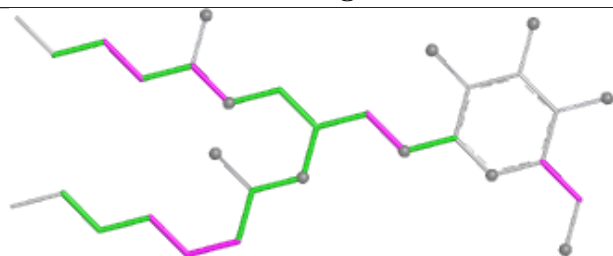
Ligand LMG aJ 5104



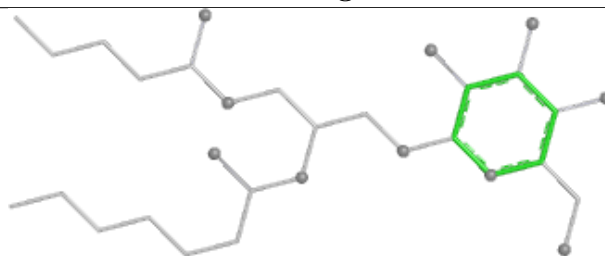
Bond lengths



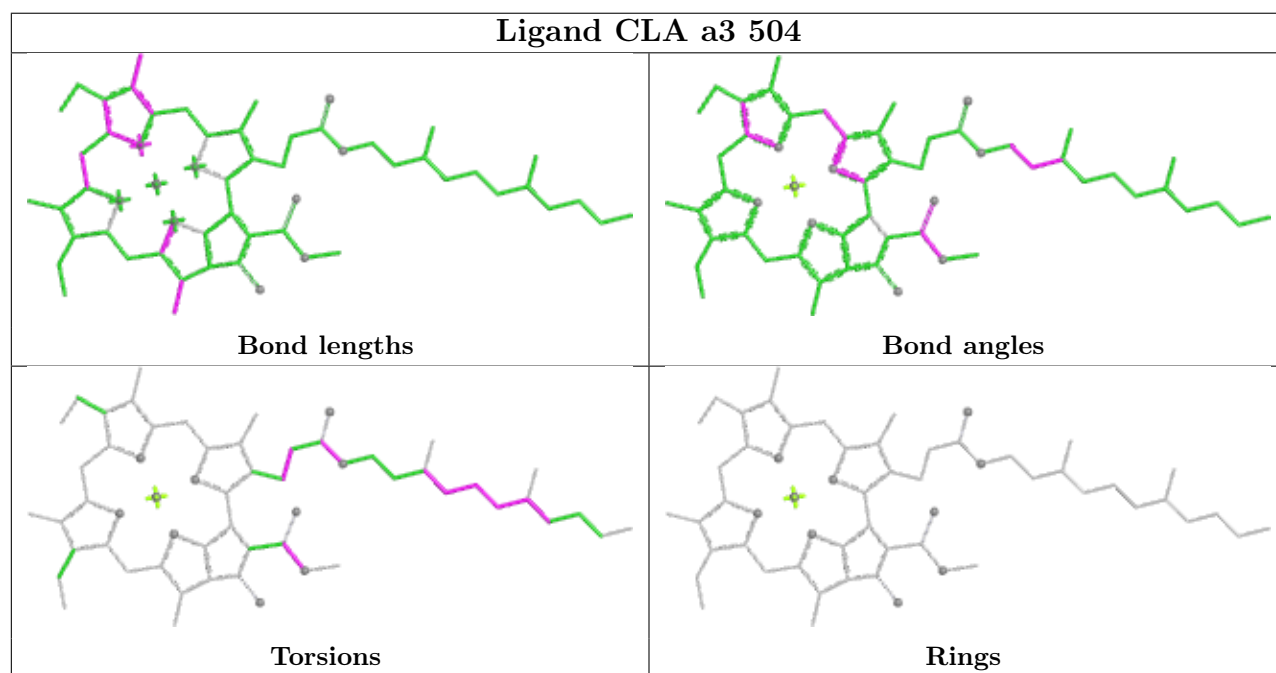
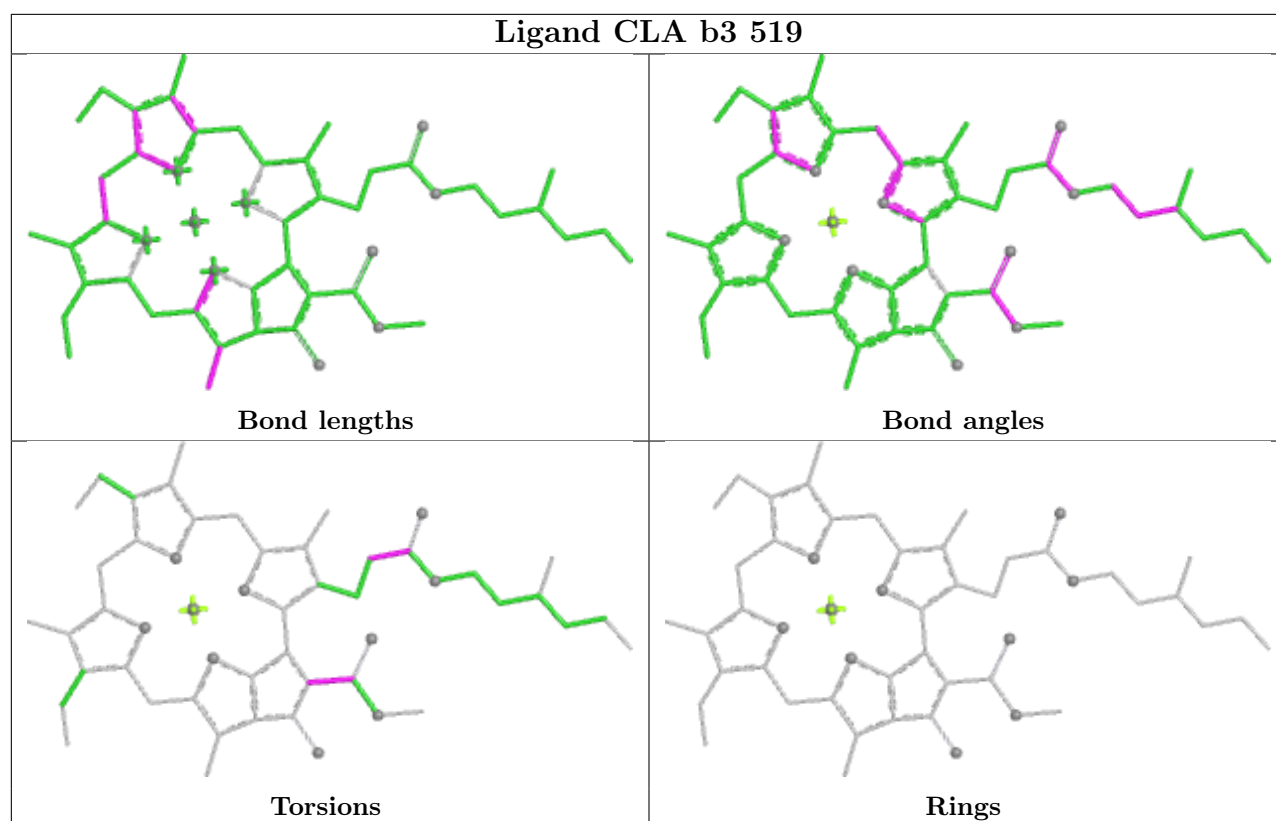
Bond angles



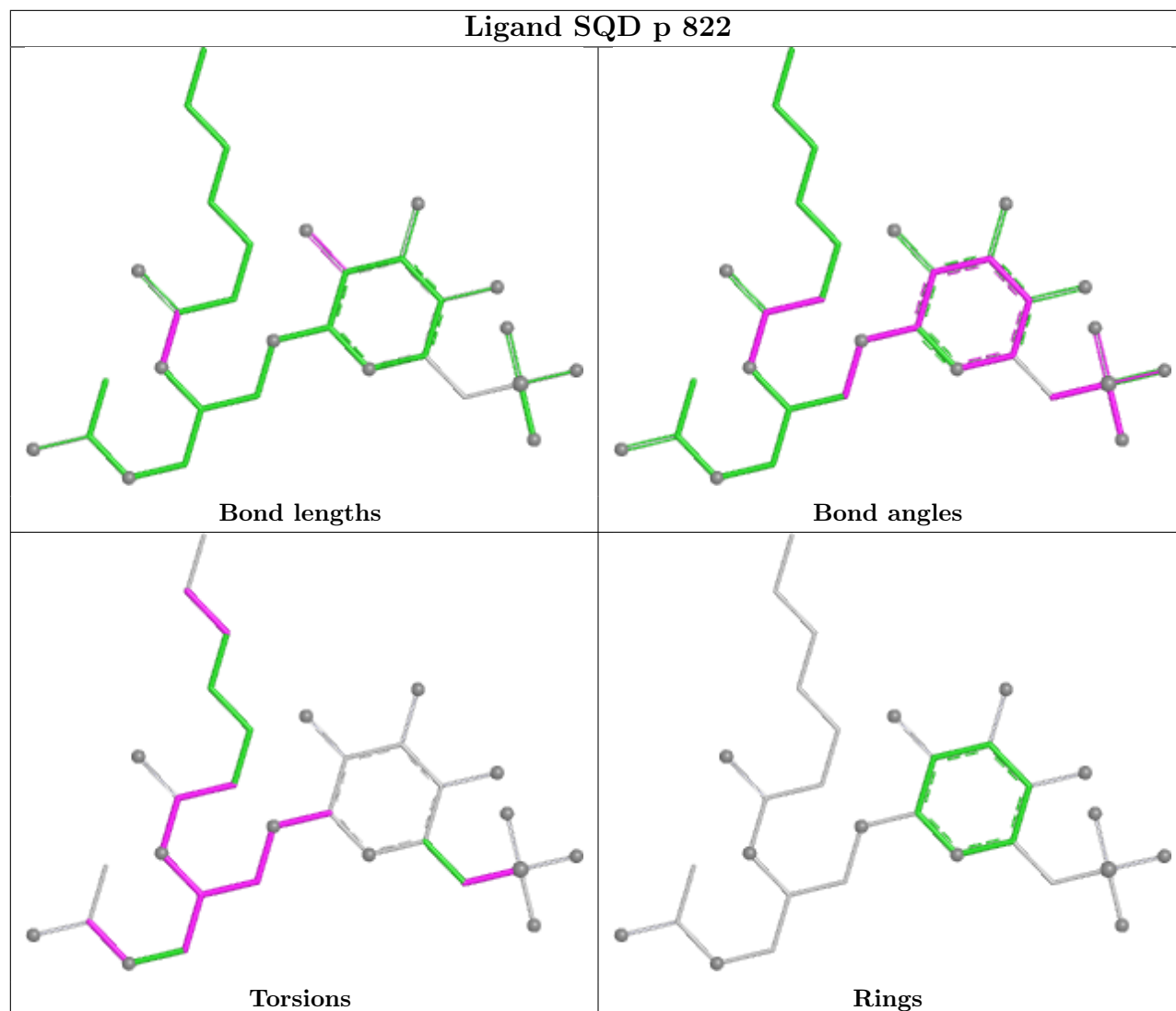
Torsions

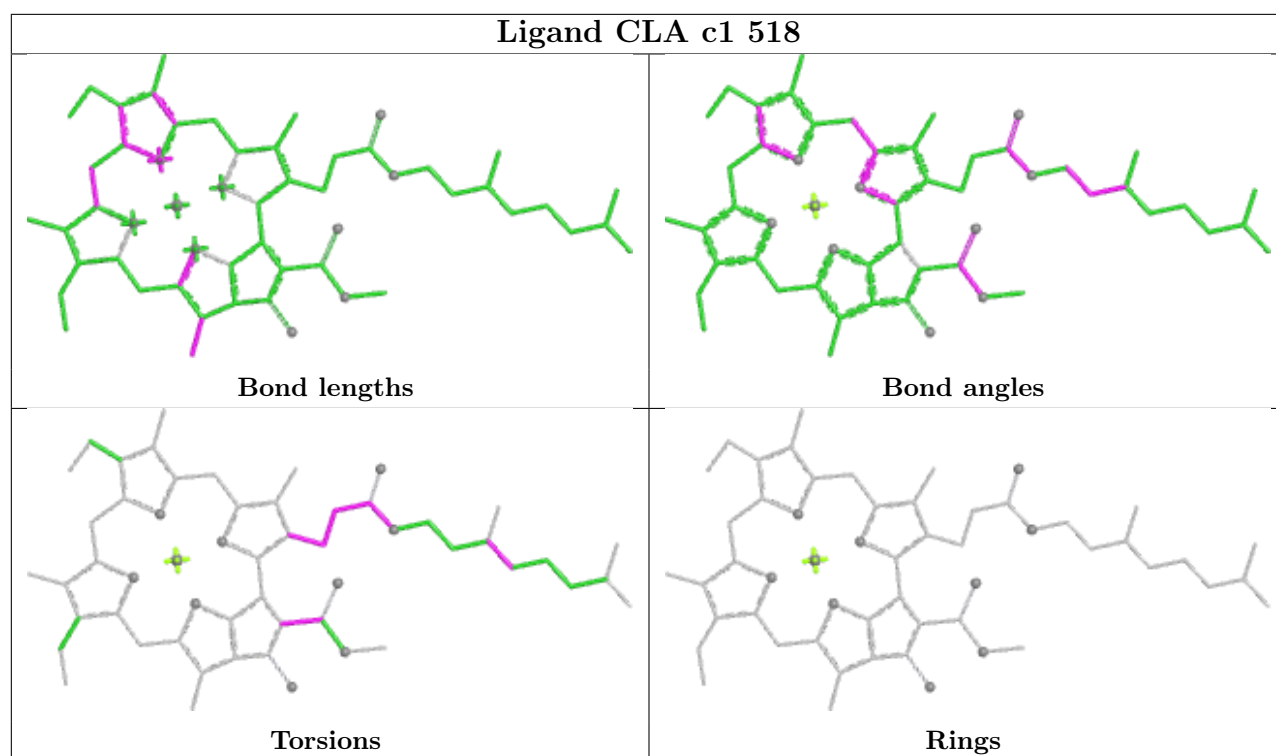


Rings

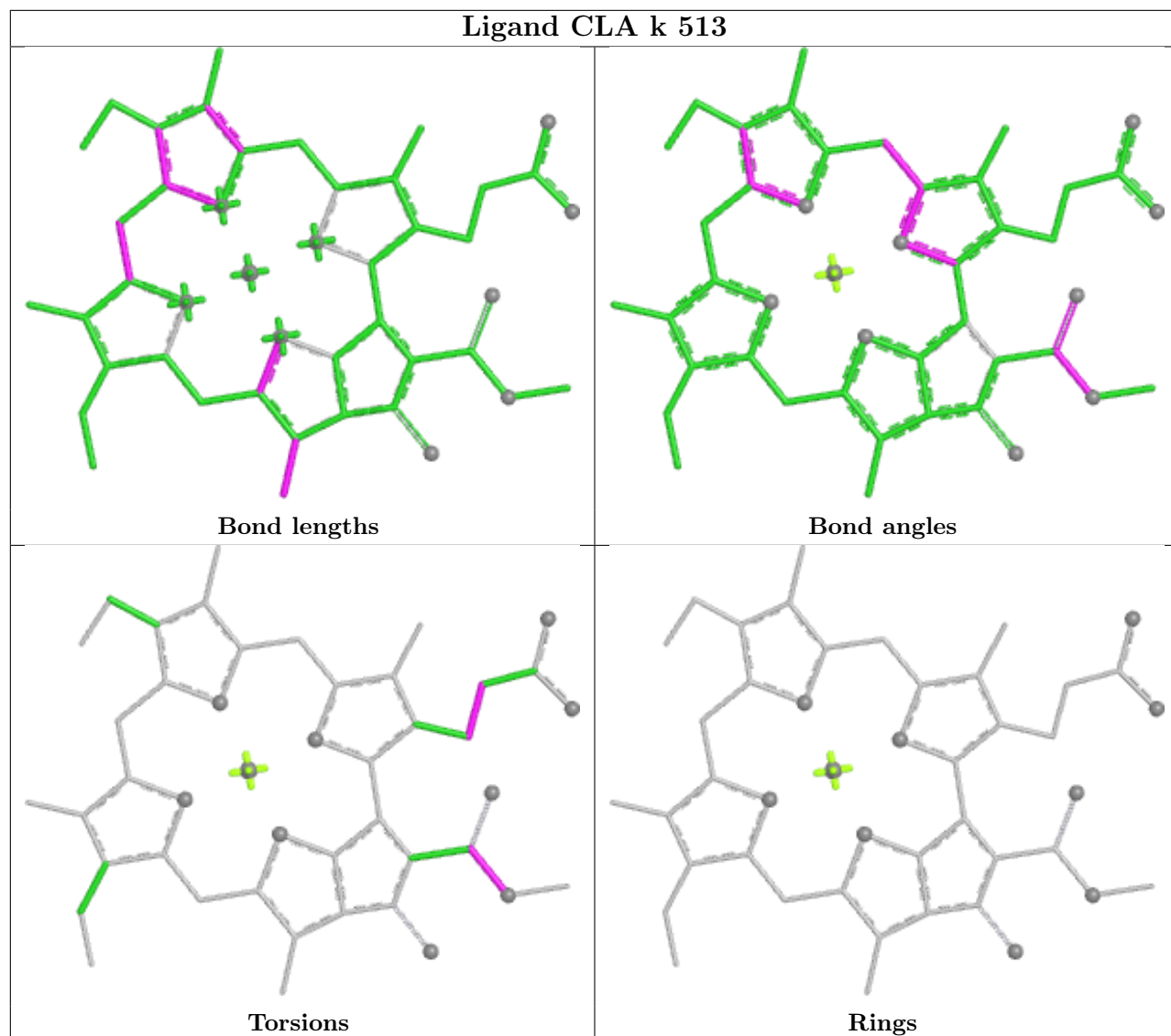


Ligand SQD p 822

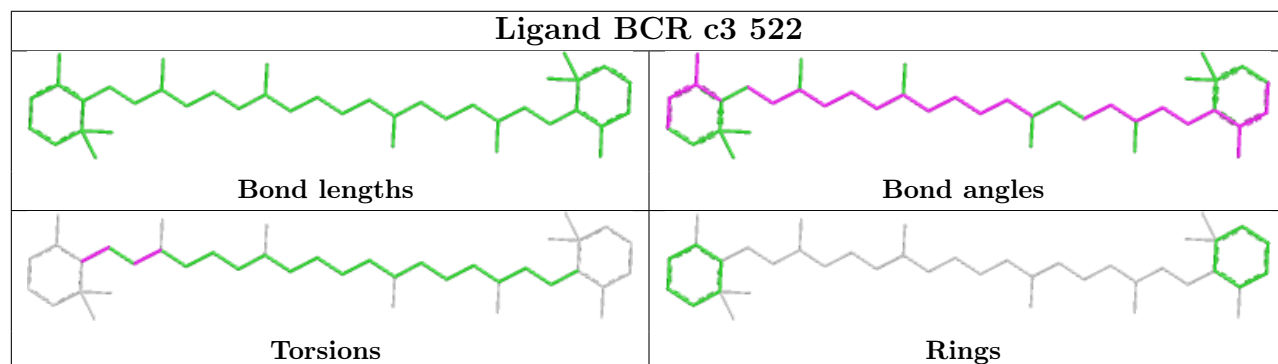


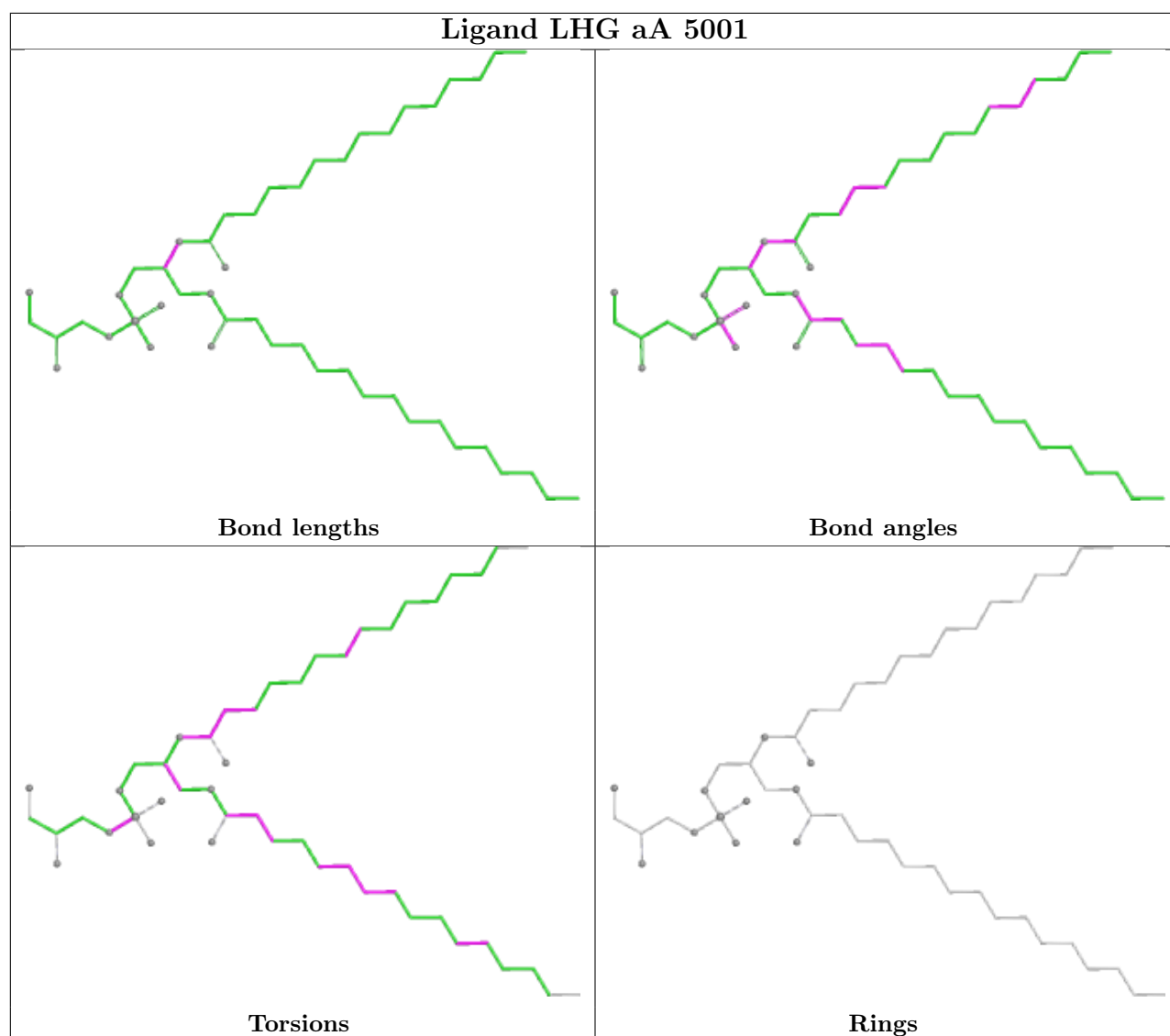


Ligand CLA k 513

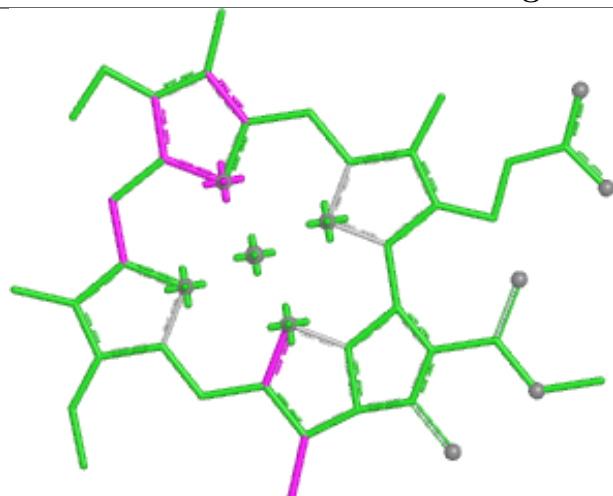


Ligand BCR c3 522





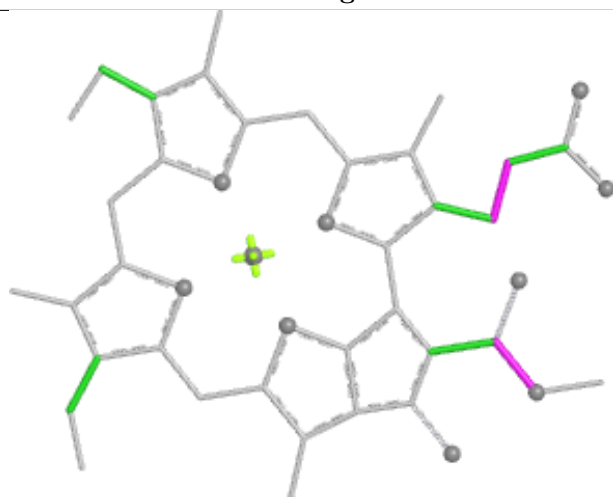
Ligand CLA i 513



Bond lengths



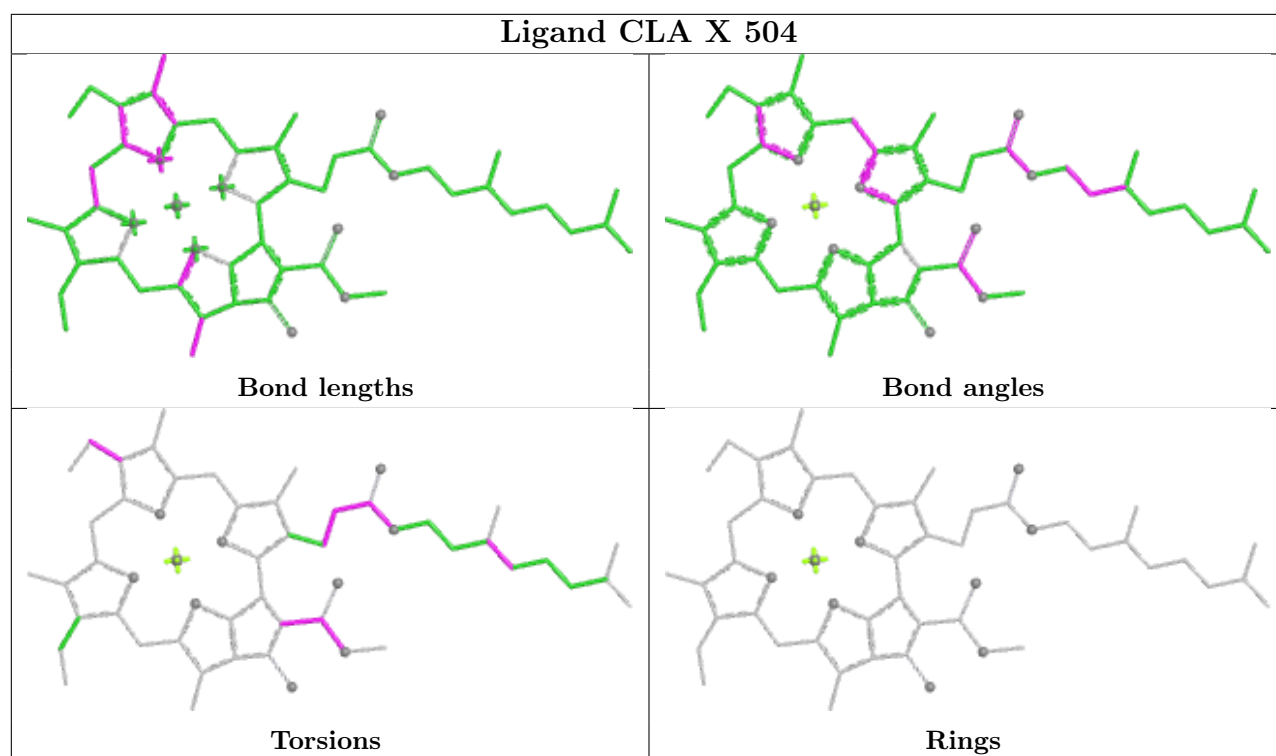
Bond angles



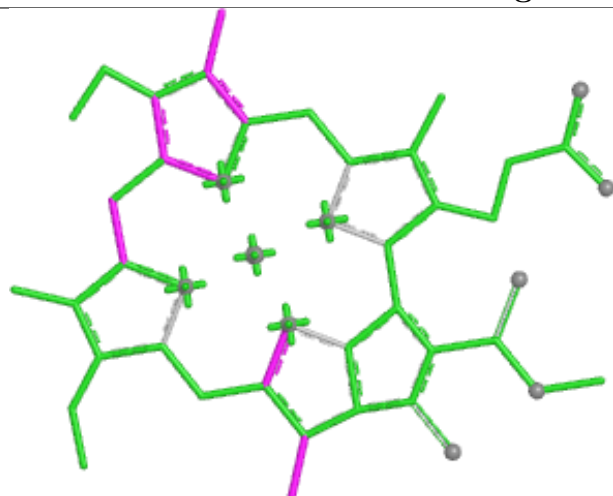
Torsions



Rings



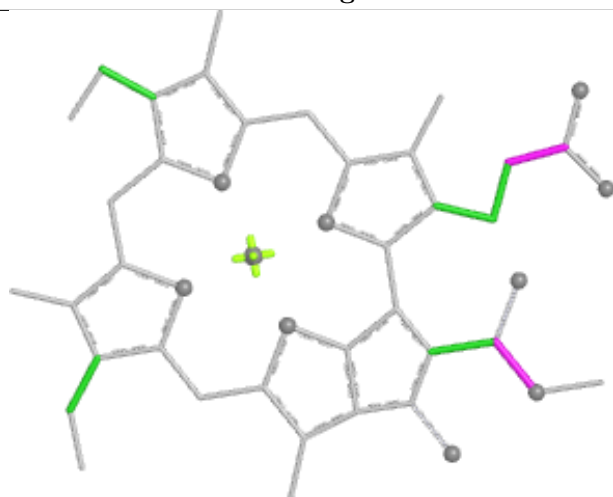
Ligand CLA T 506



Bond lengths



Bond angles

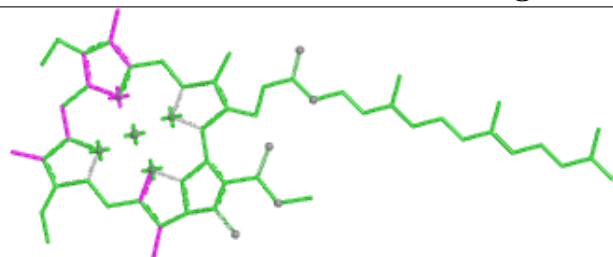


Torsions

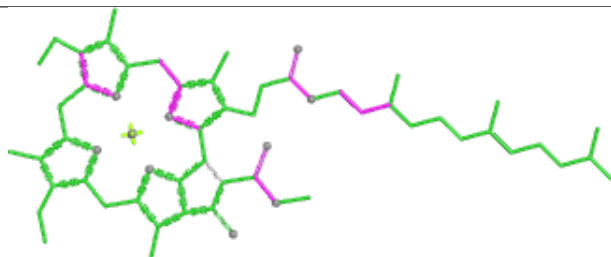


Rings

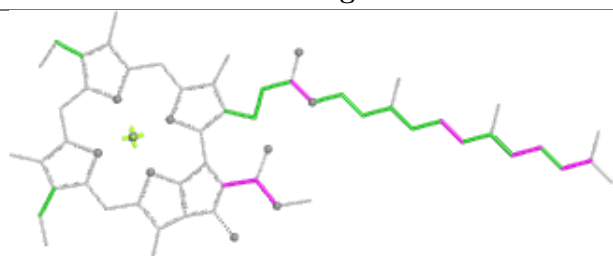
Ligand CLA Y 502



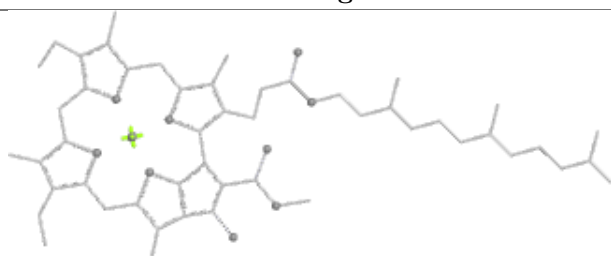
Bond lengths



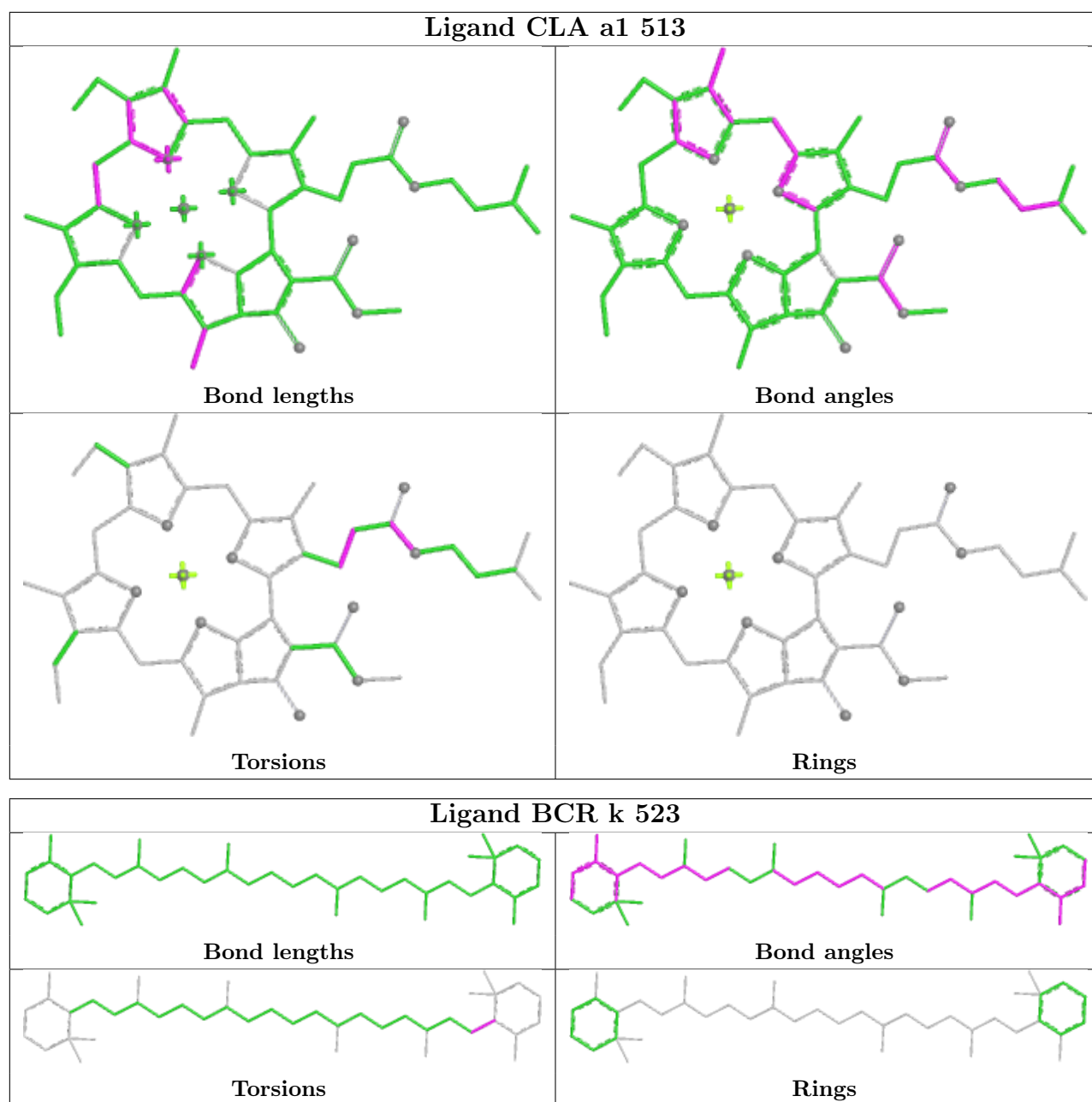
Bond angles



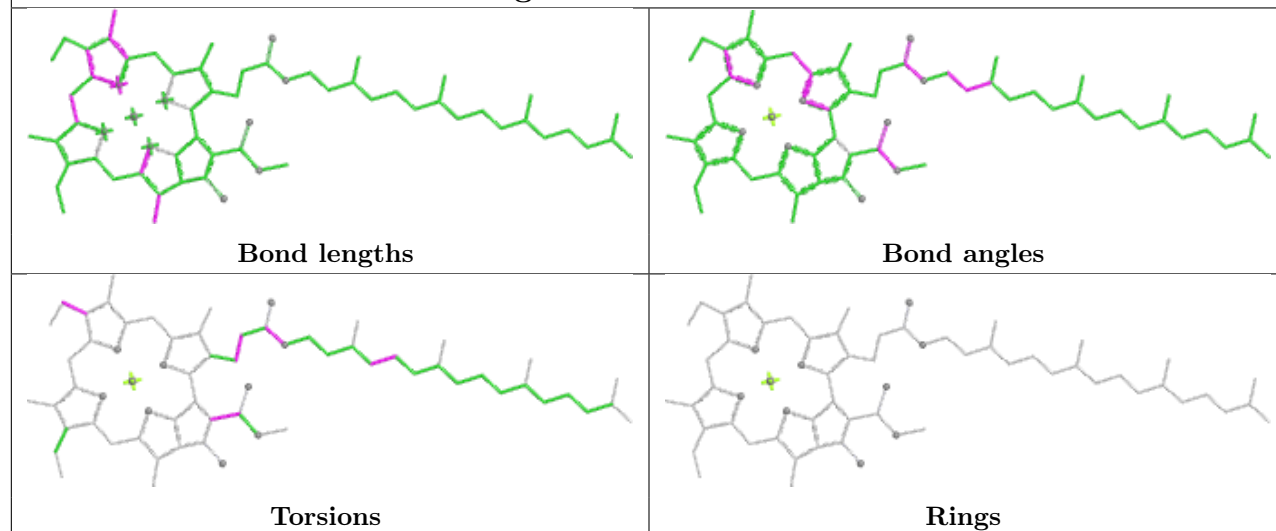
Torsions



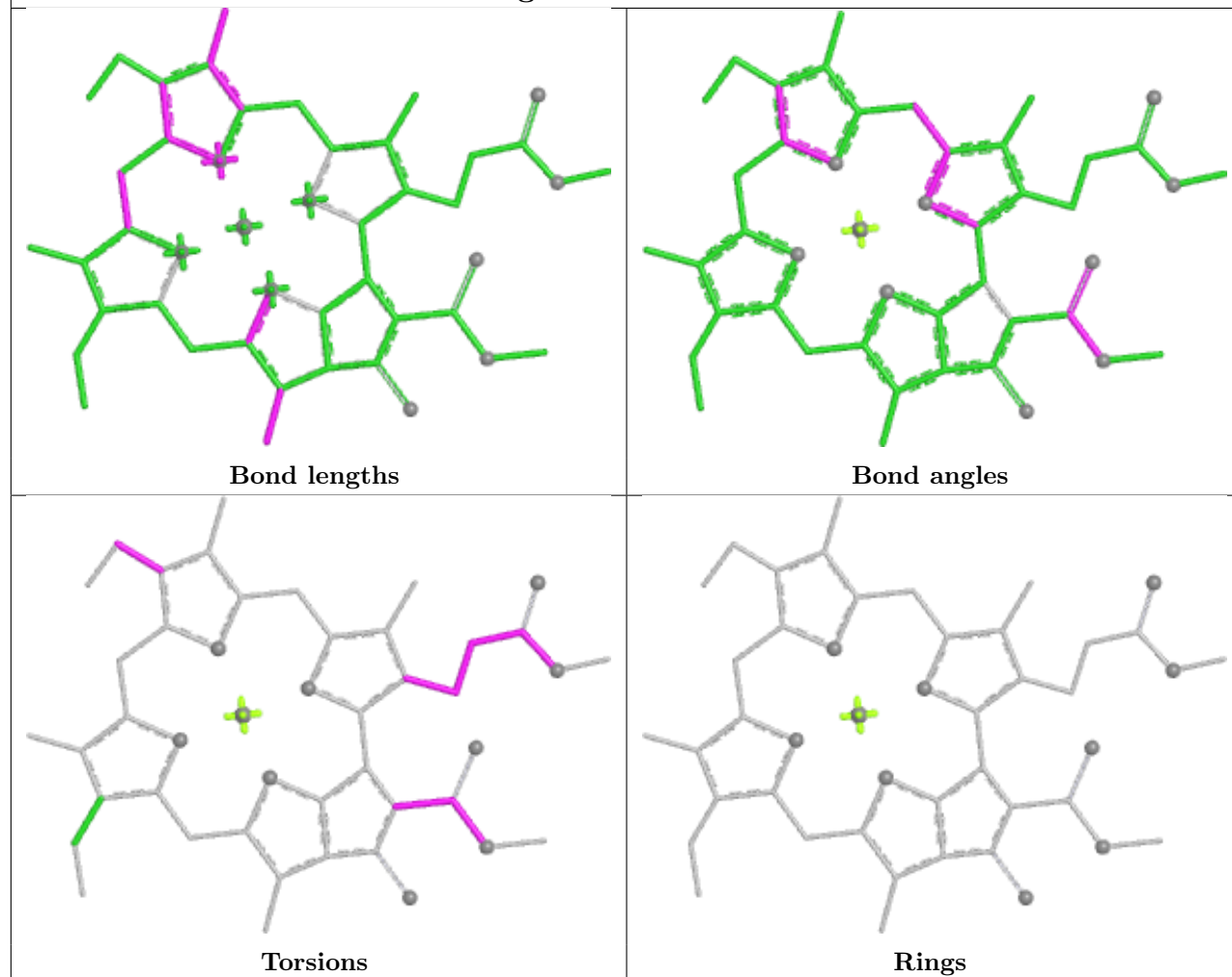
Rings

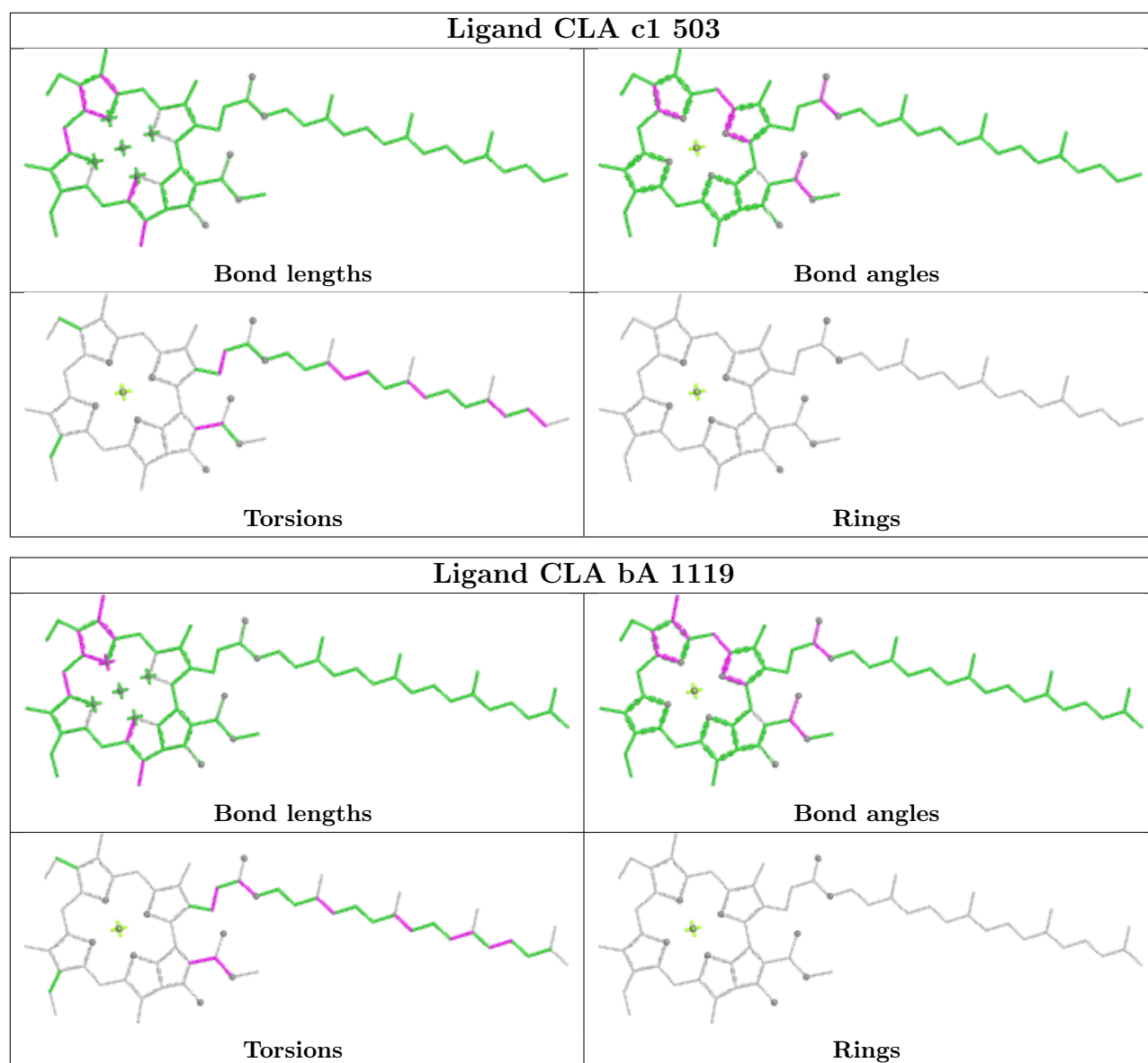


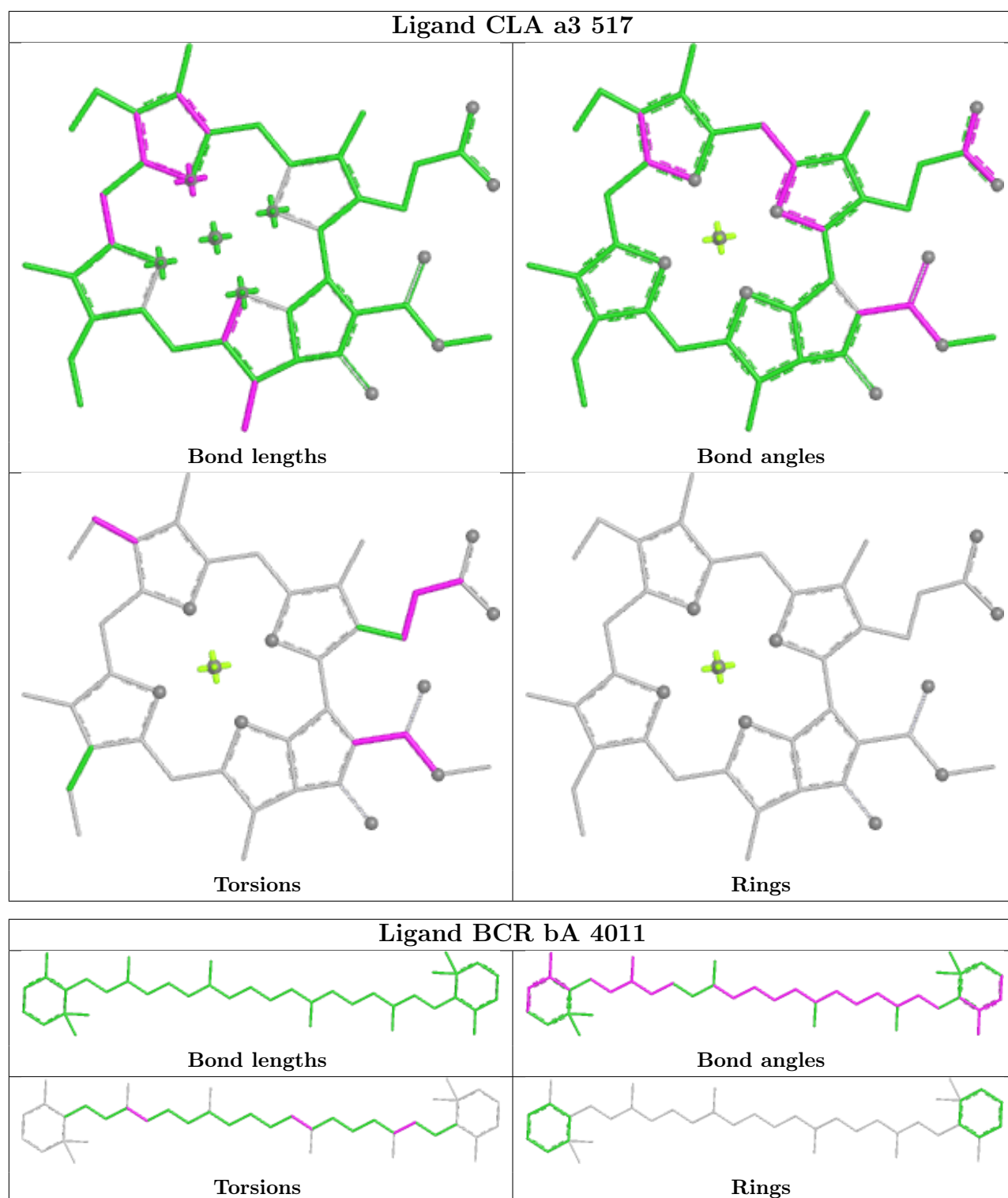
Ligand CLA aB 1238

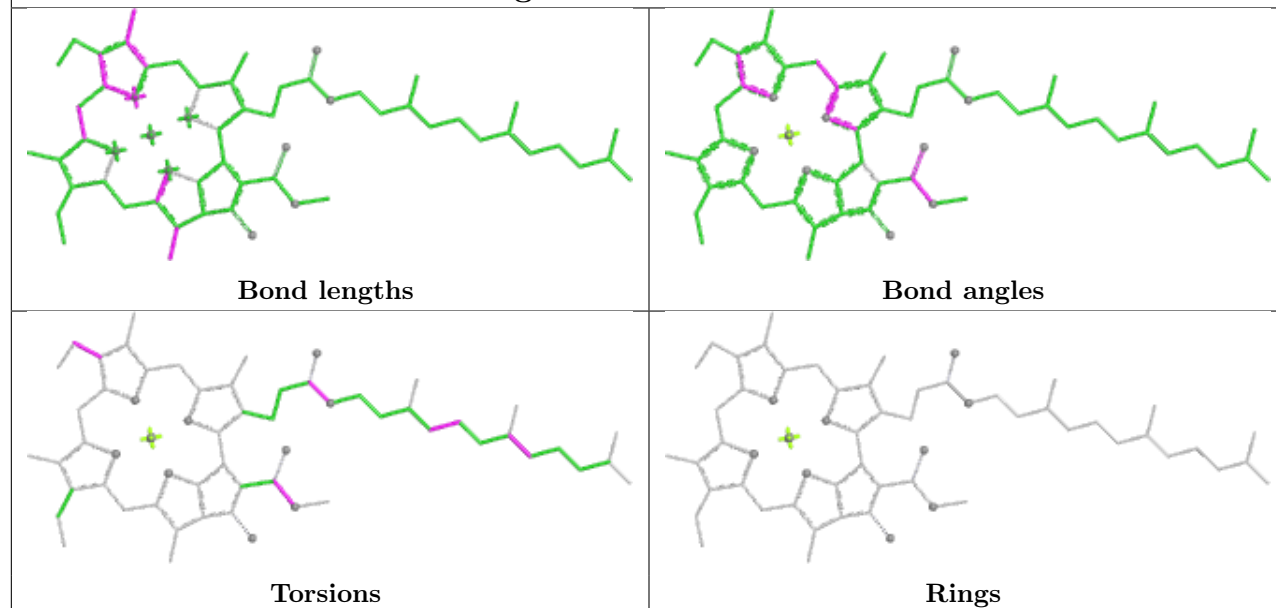
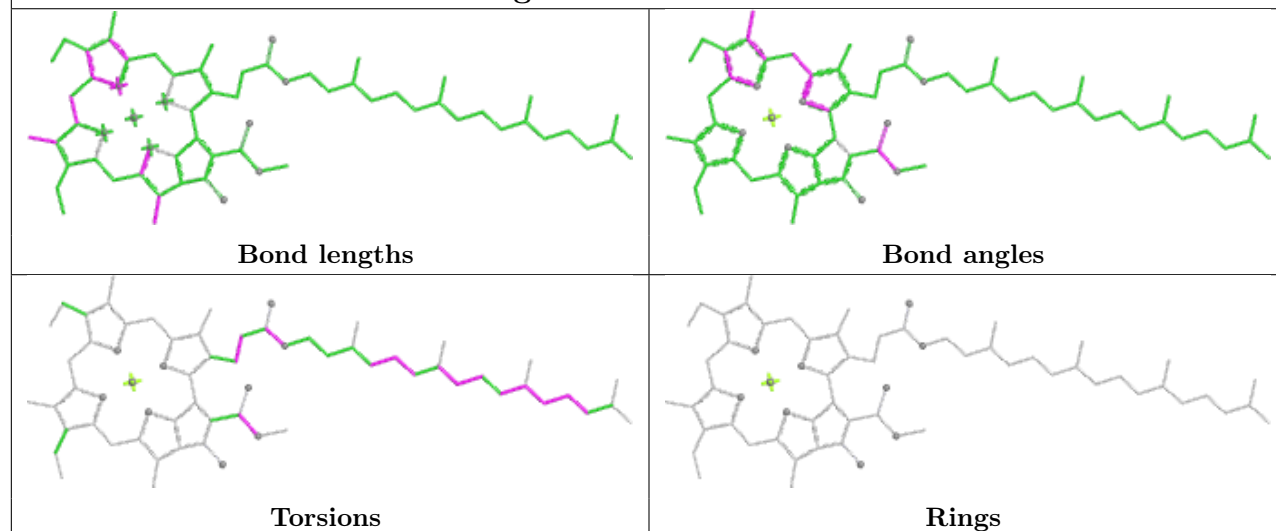


Ligand CLA o 501

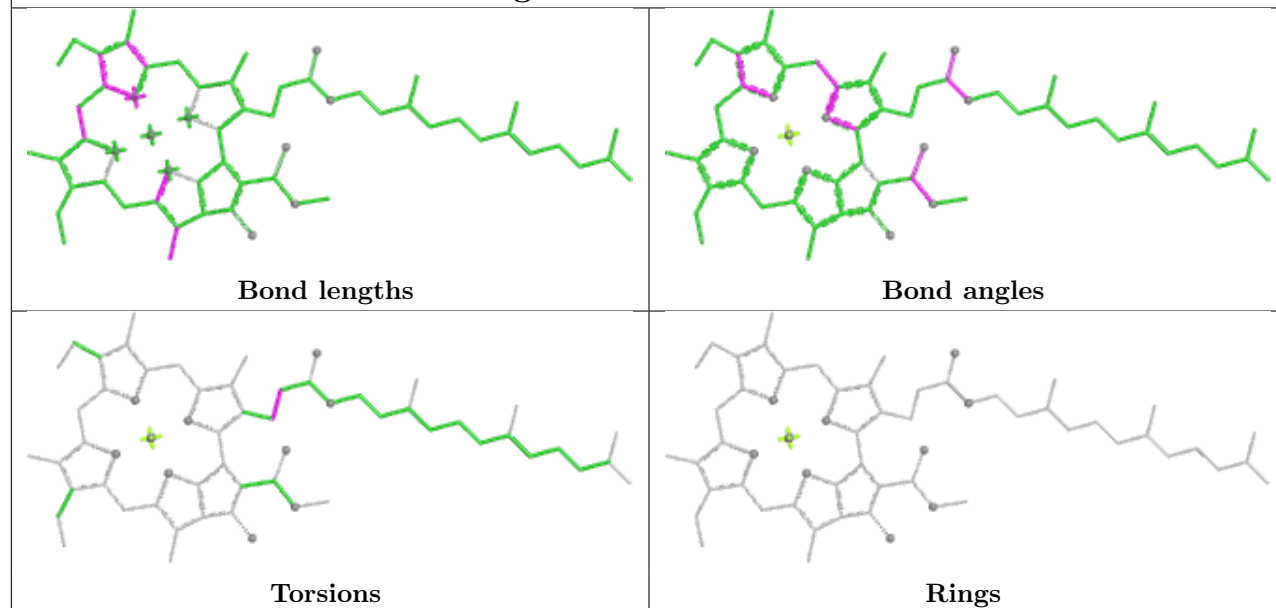




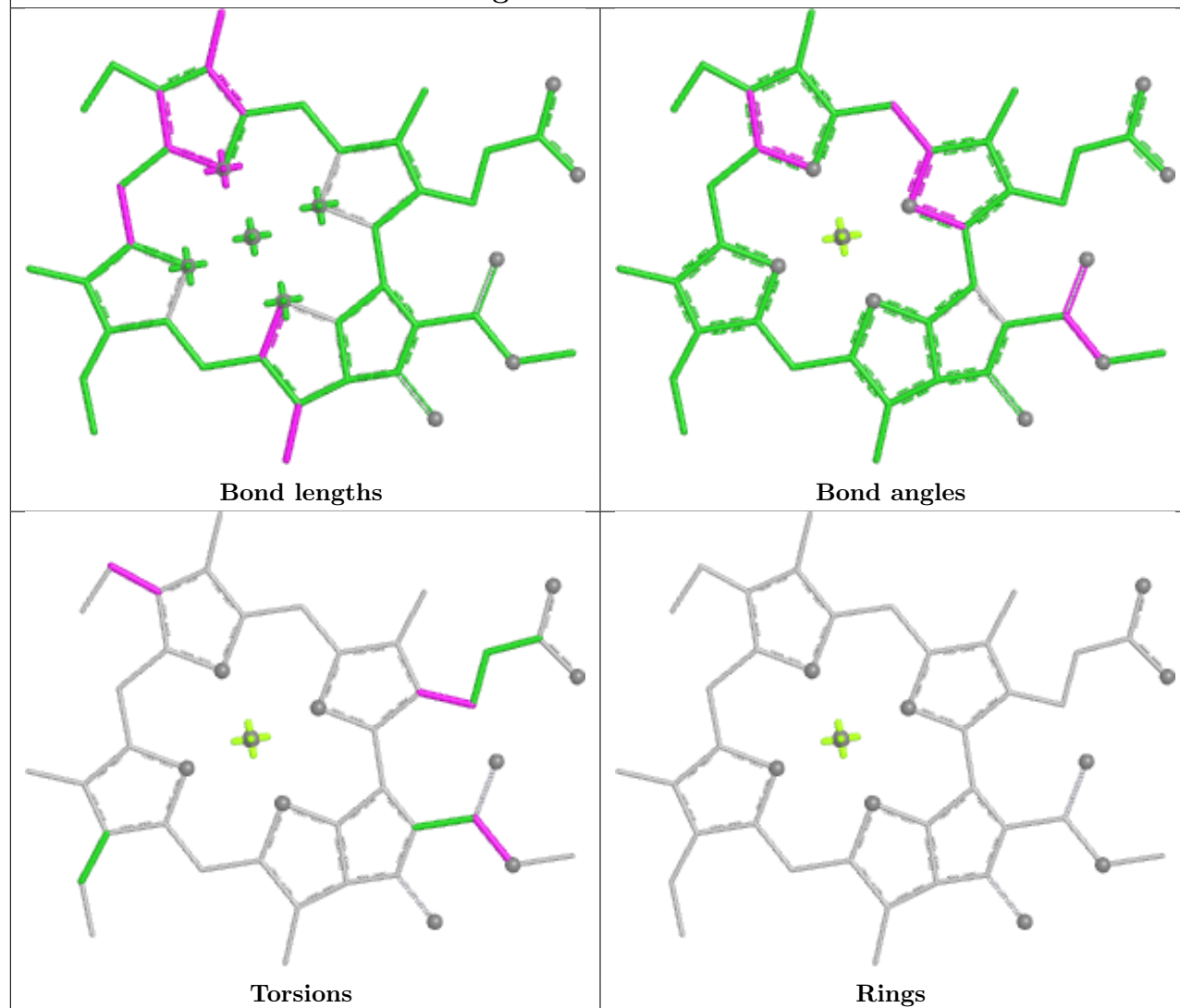


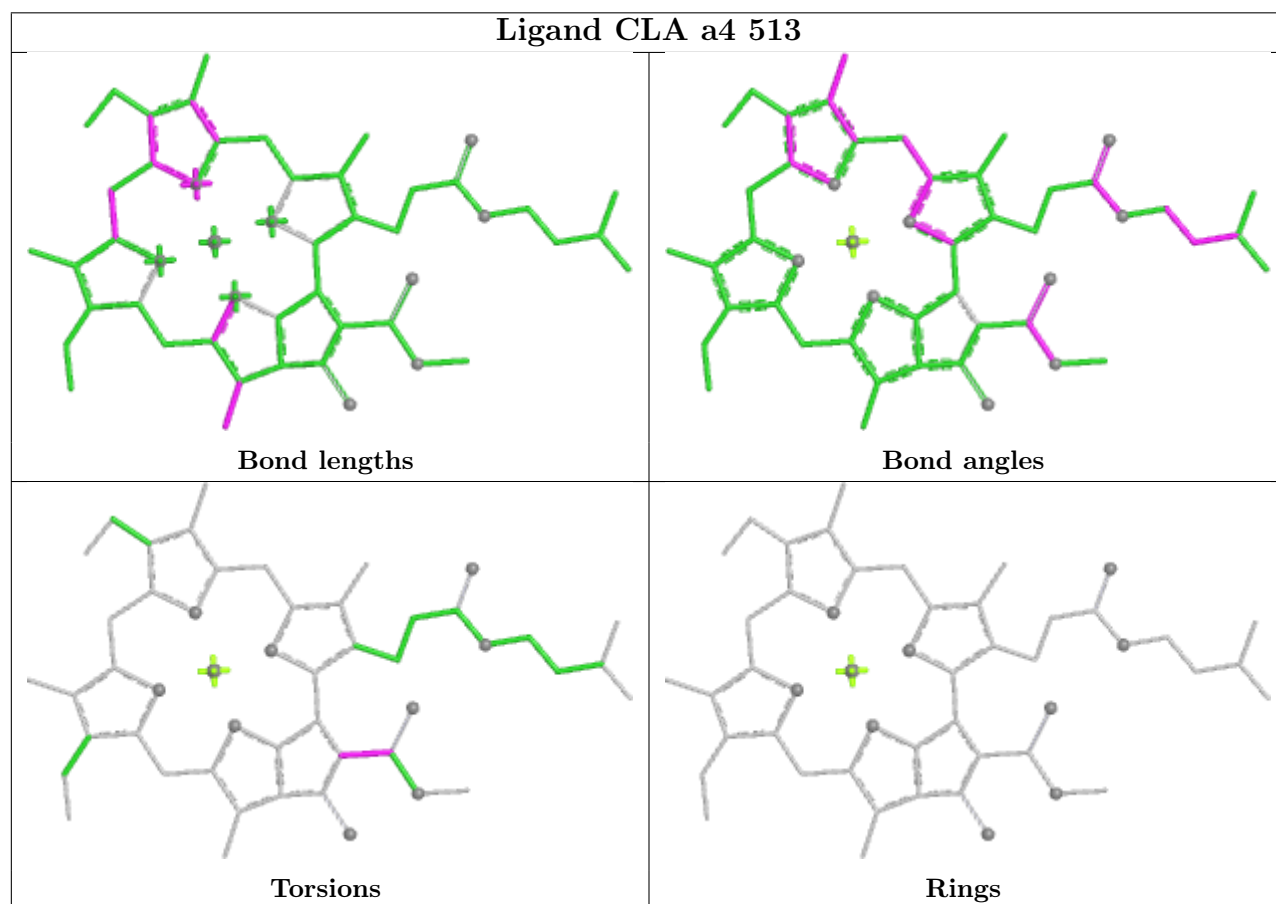
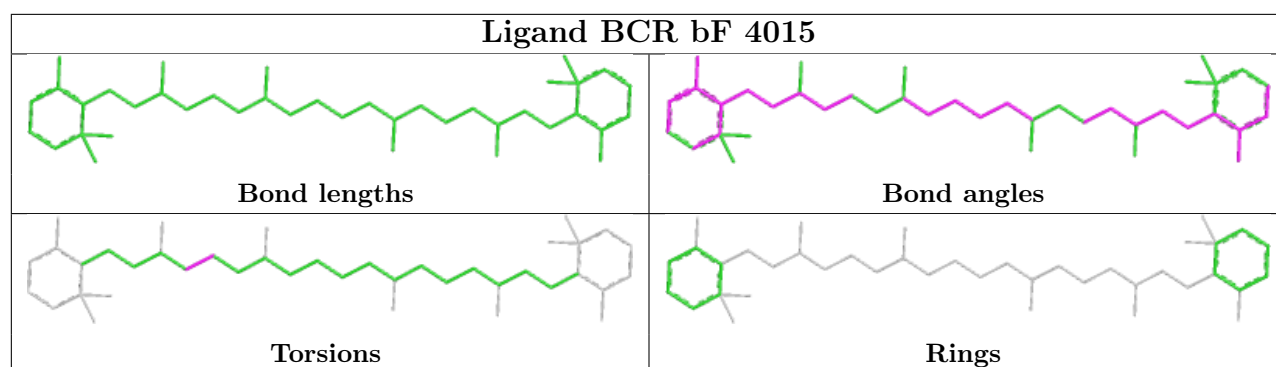
Ligand CLA aB 1216**Ligand CLA bB 1214**

Ligand CLA bB 1204

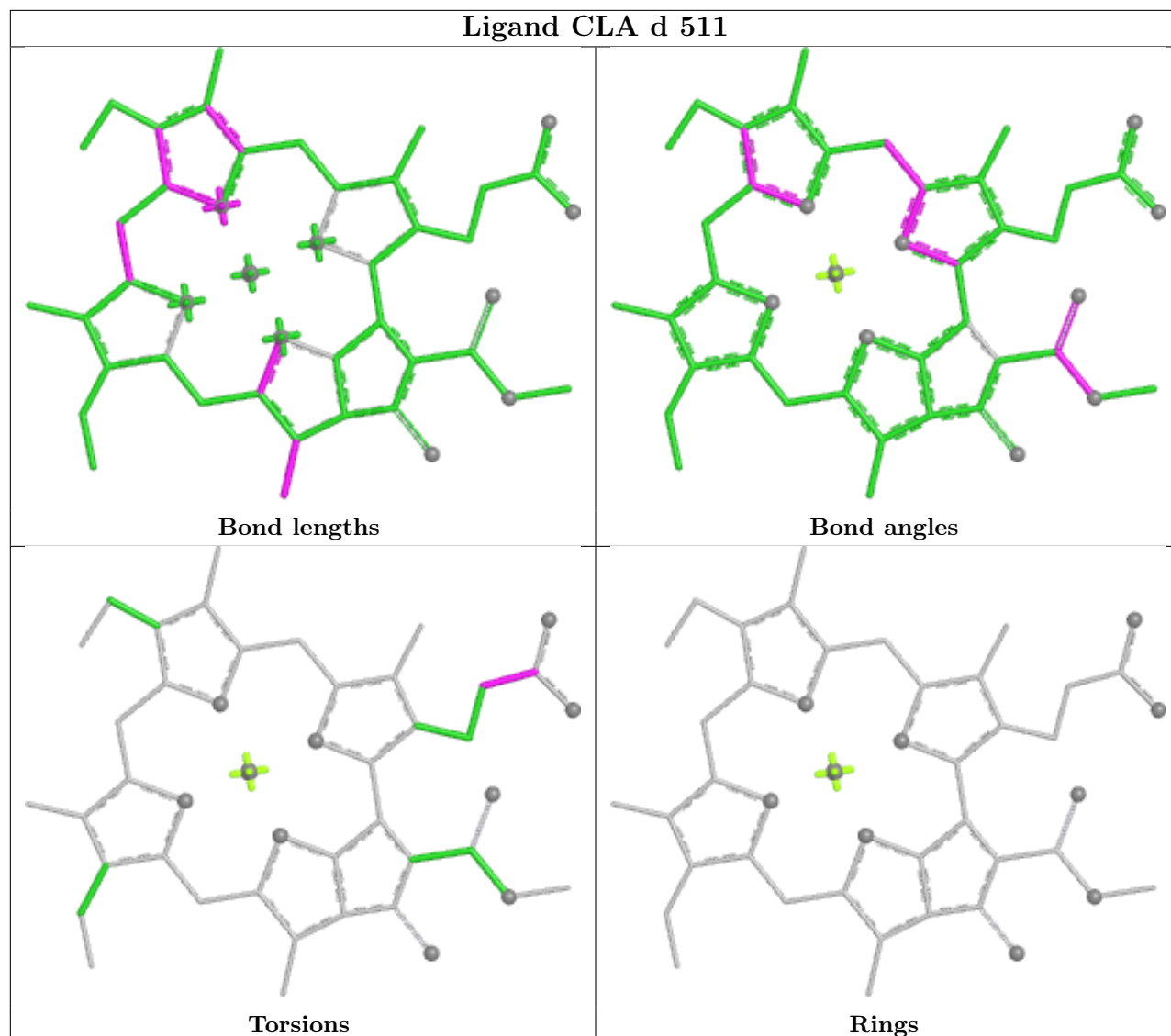


Ligand CLA T 512

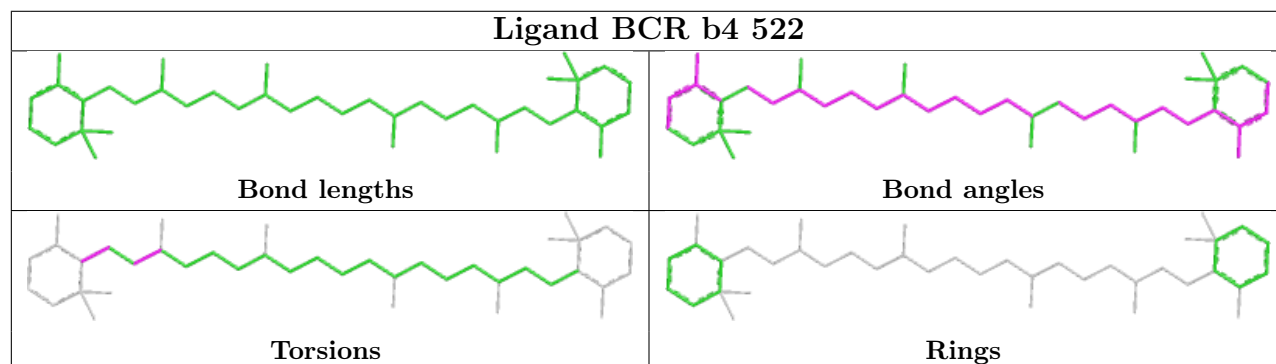


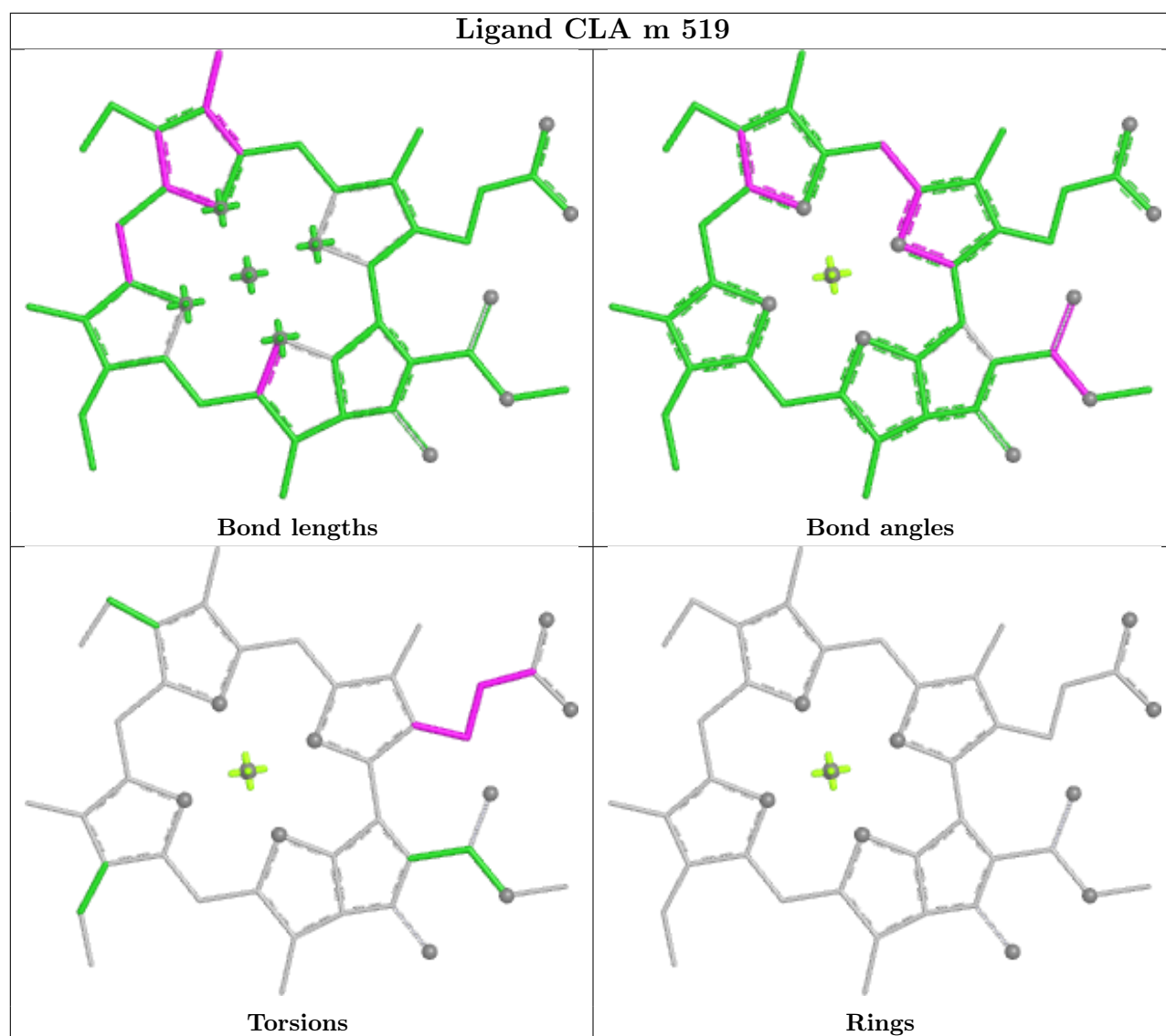


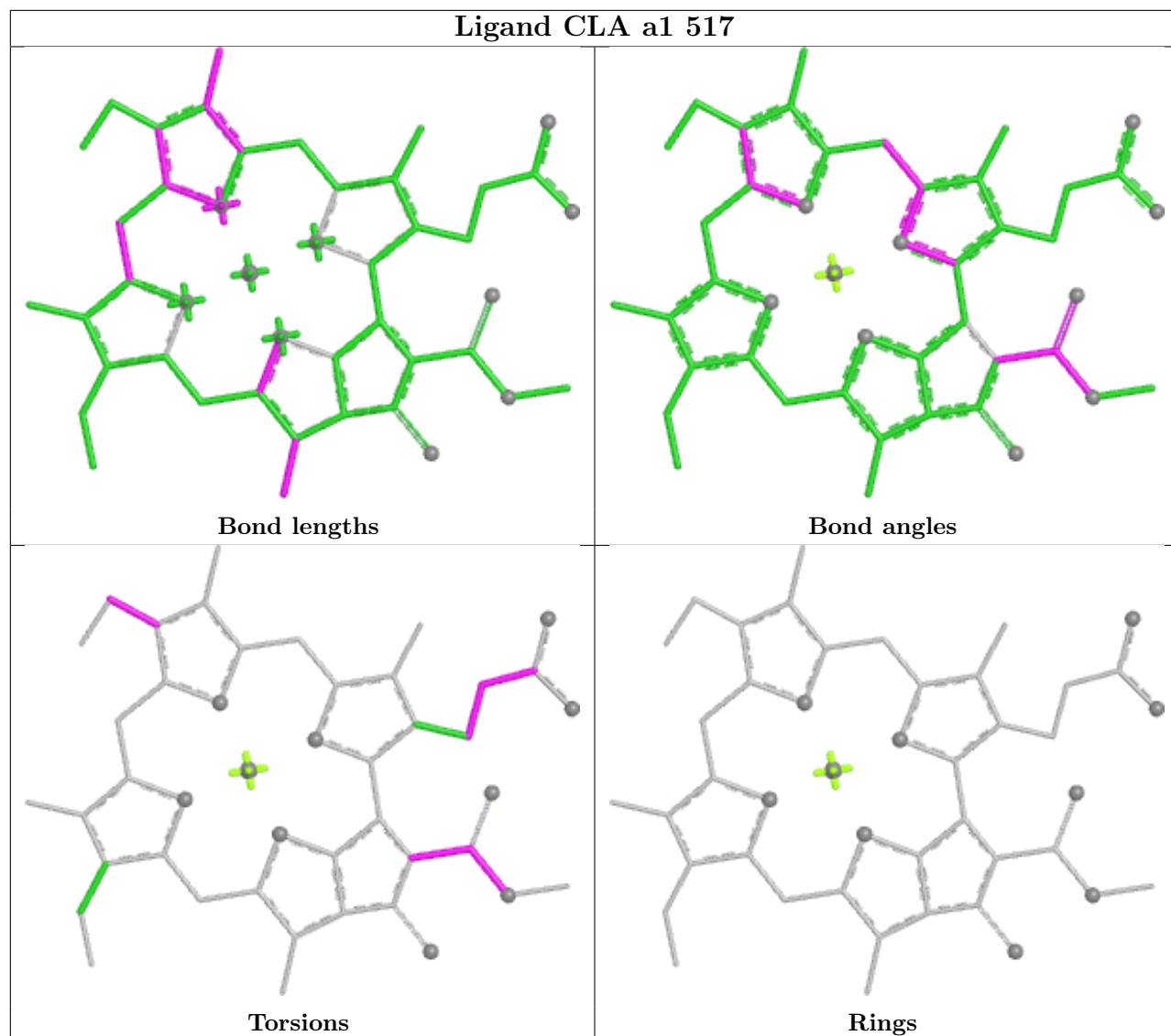
Ligand CLA d 511

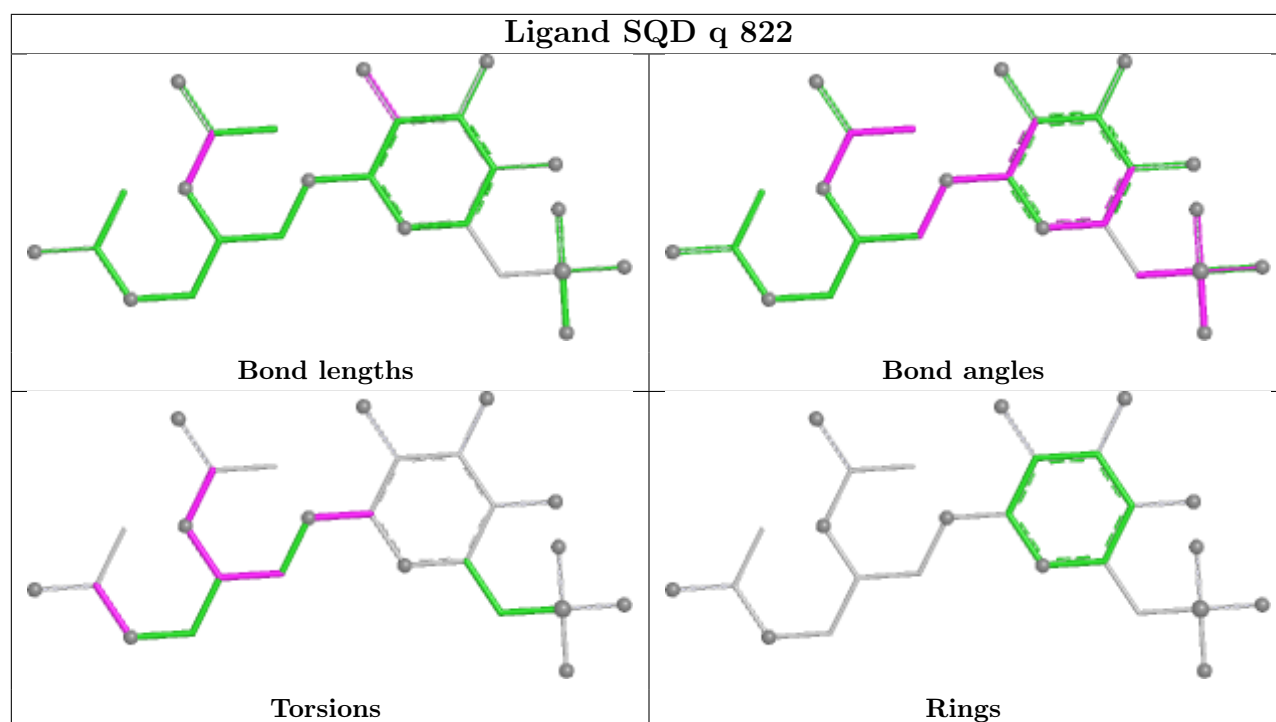


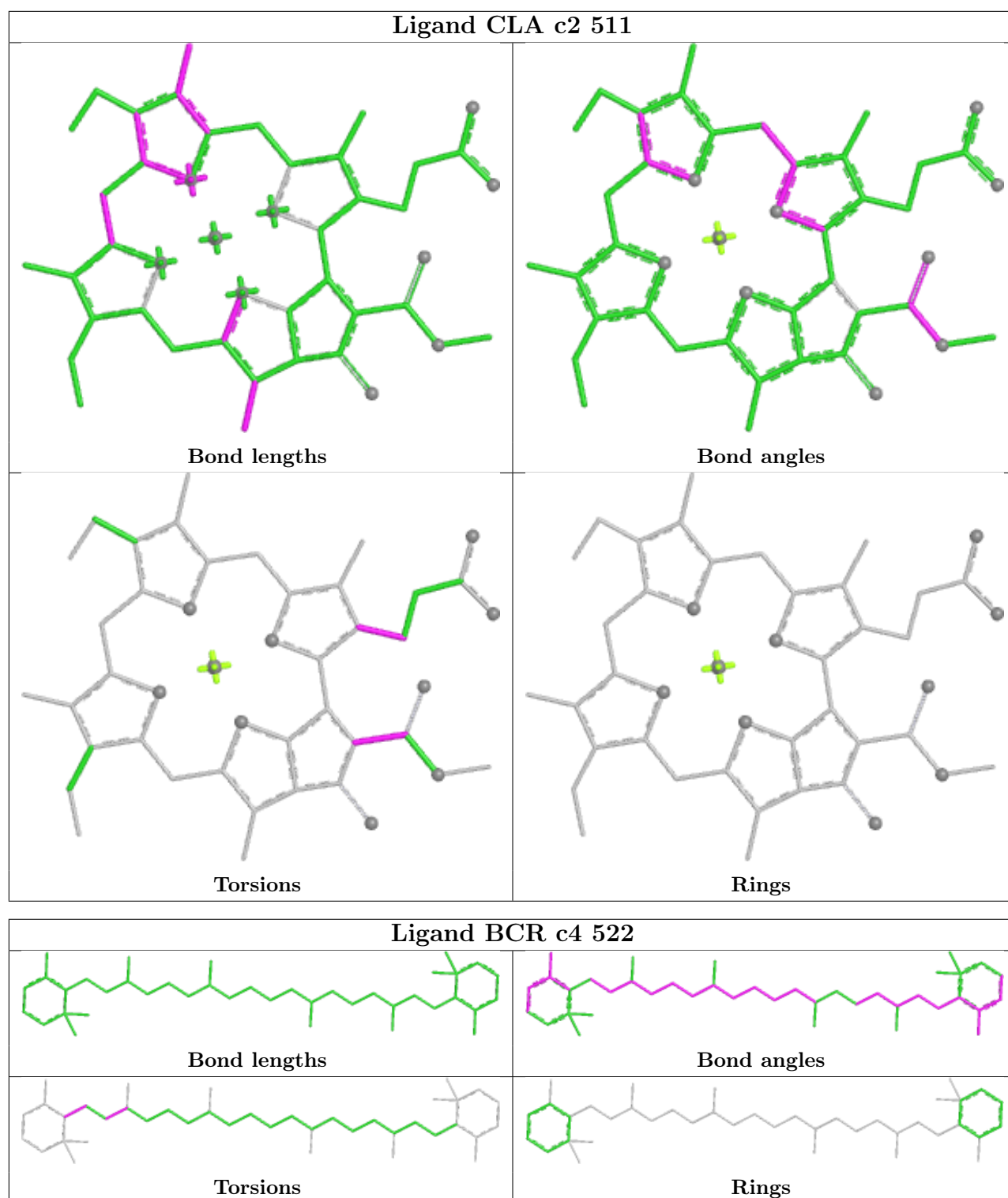
Ligand BCR b4 522

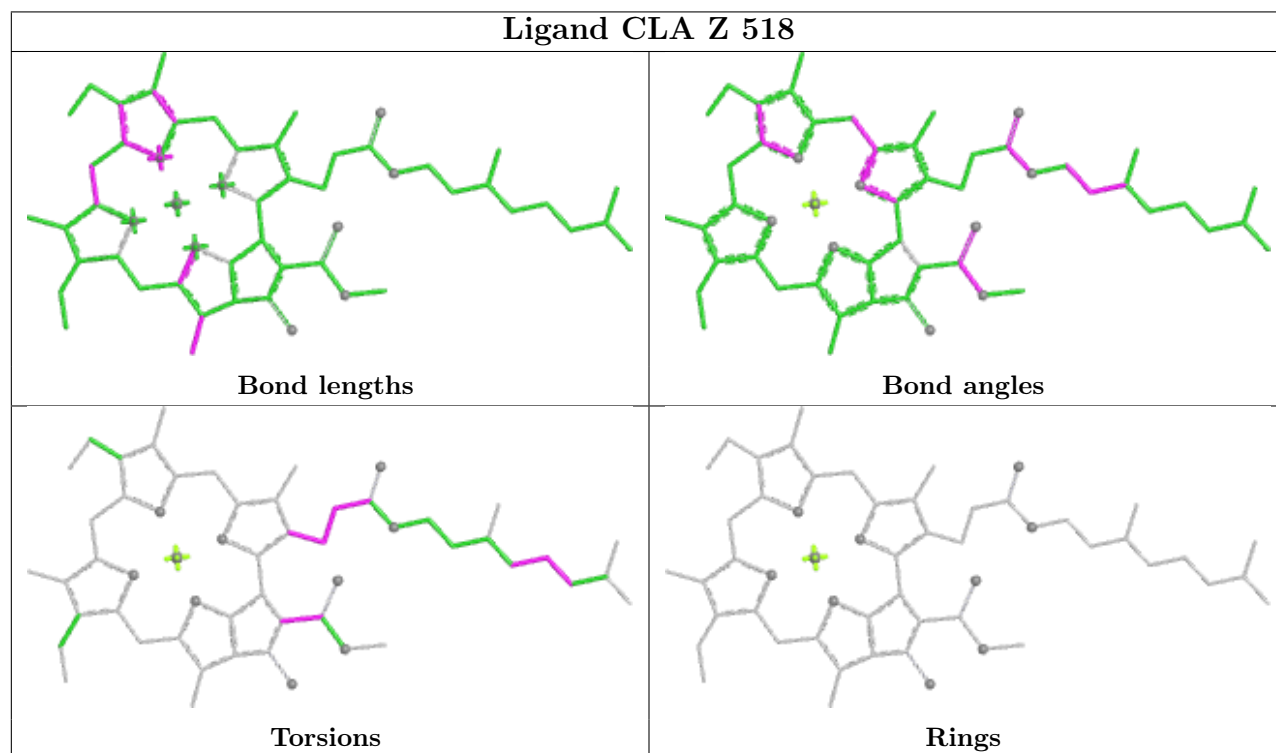
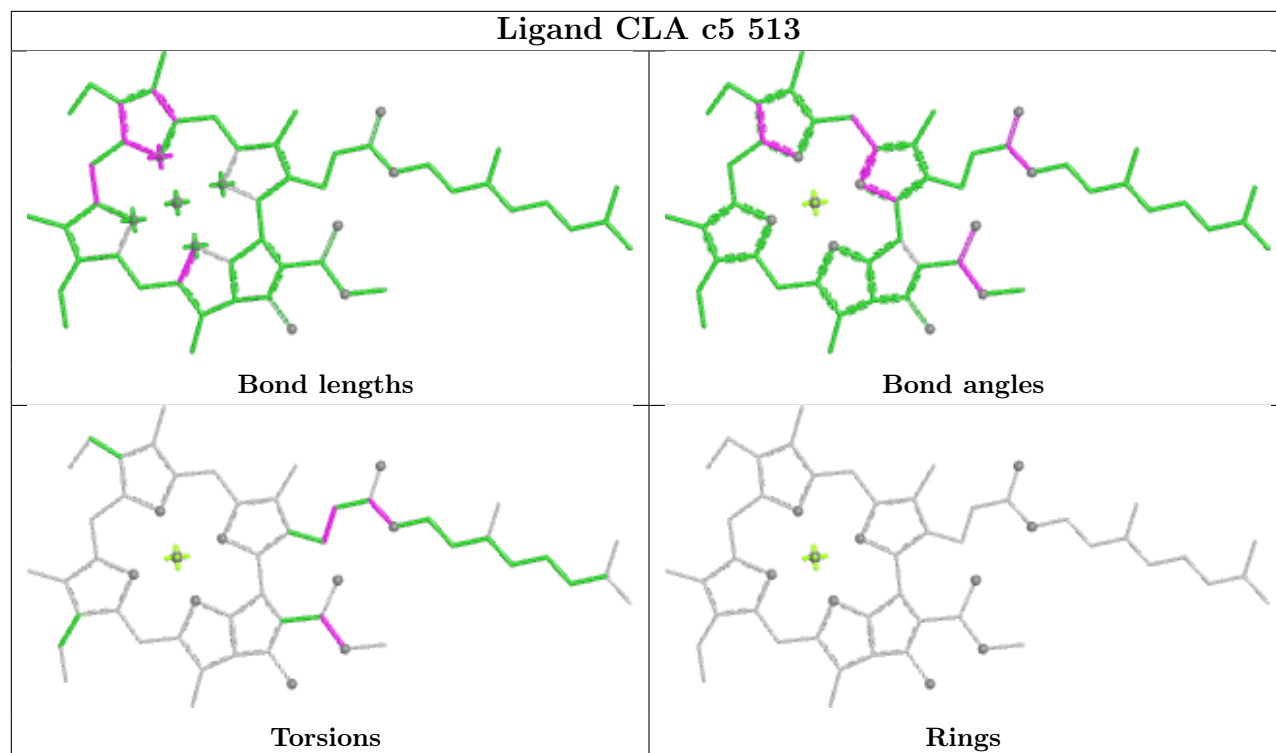




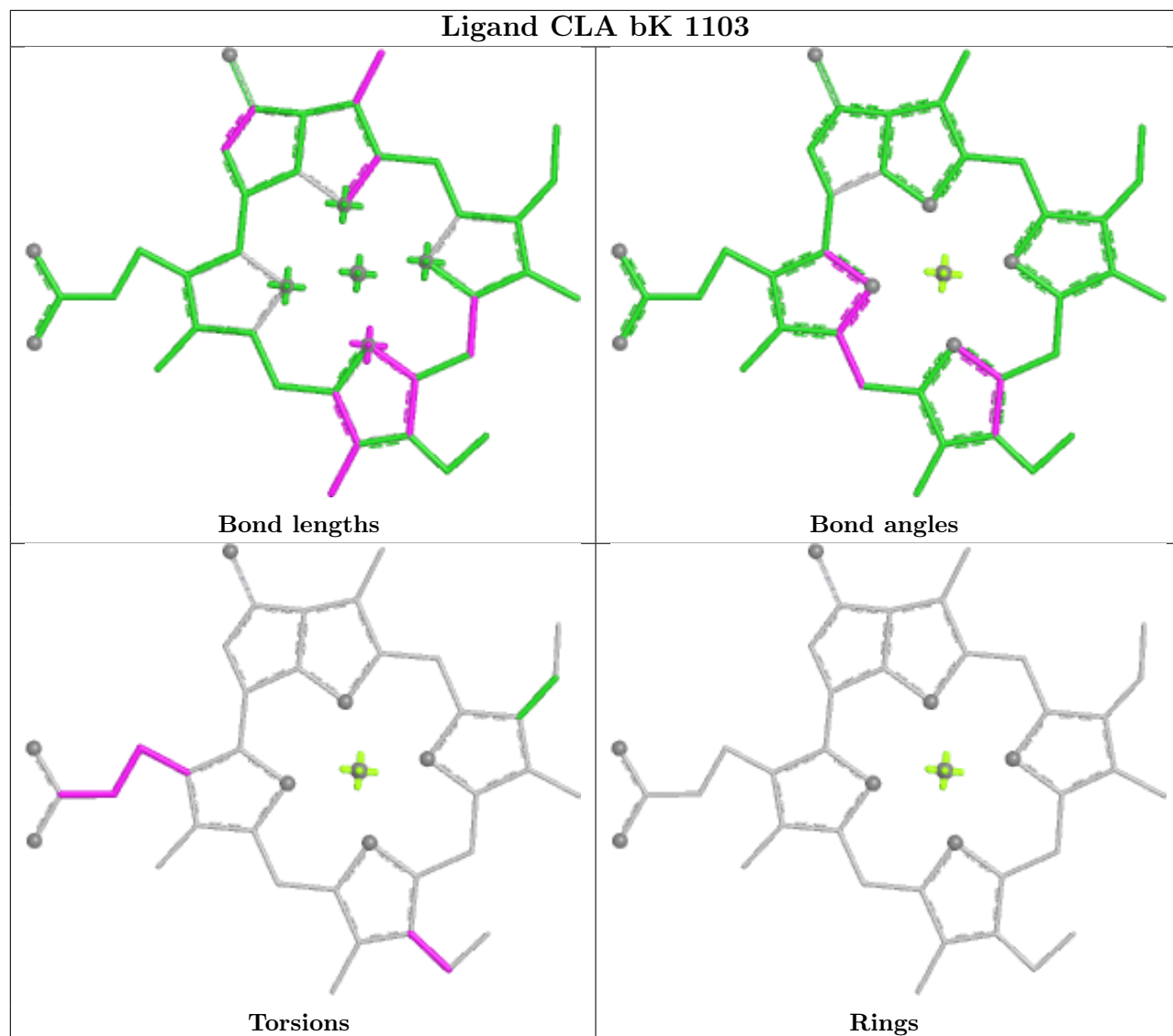


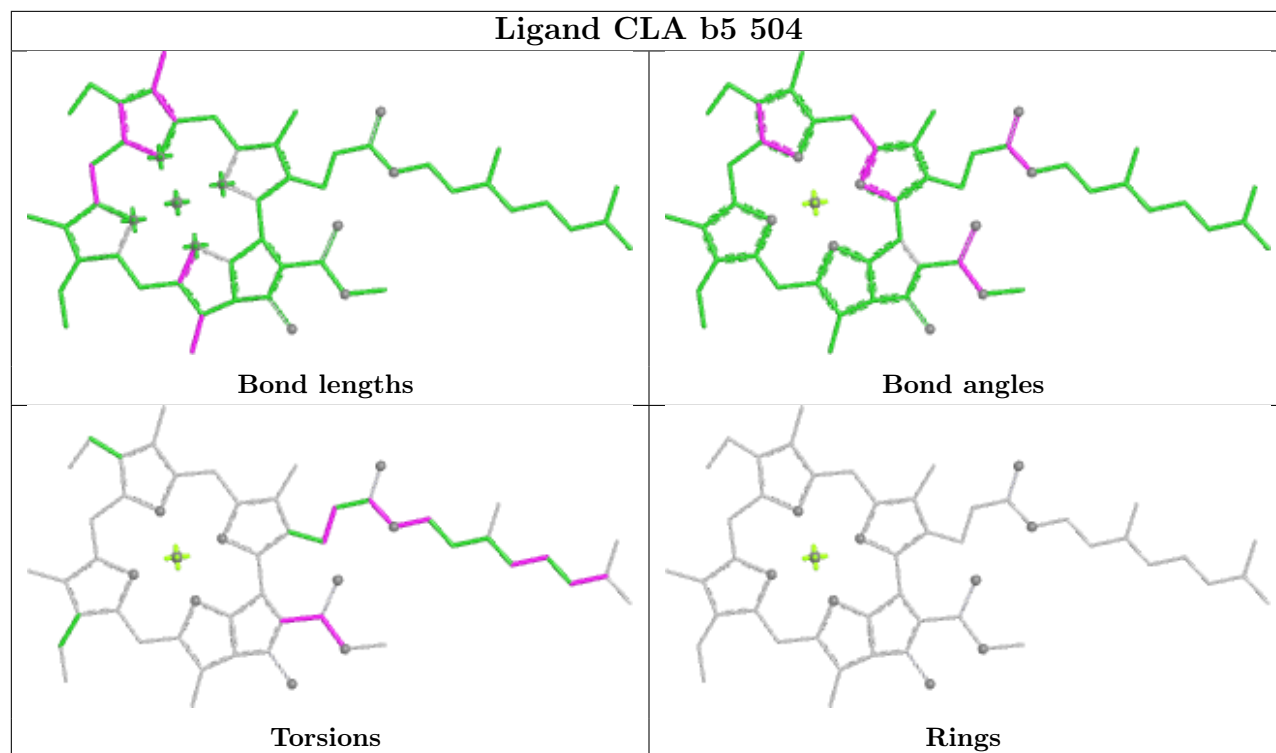


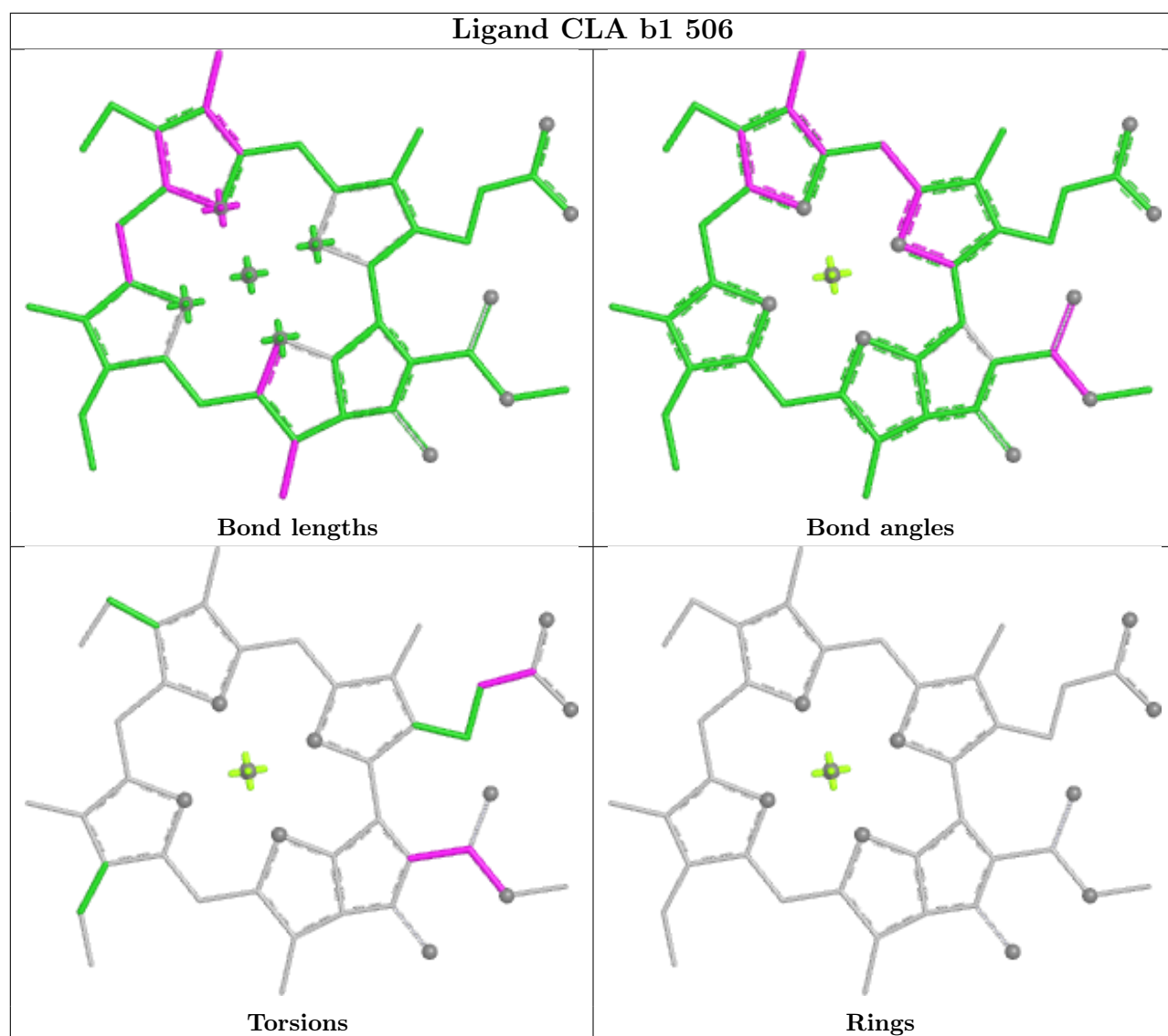




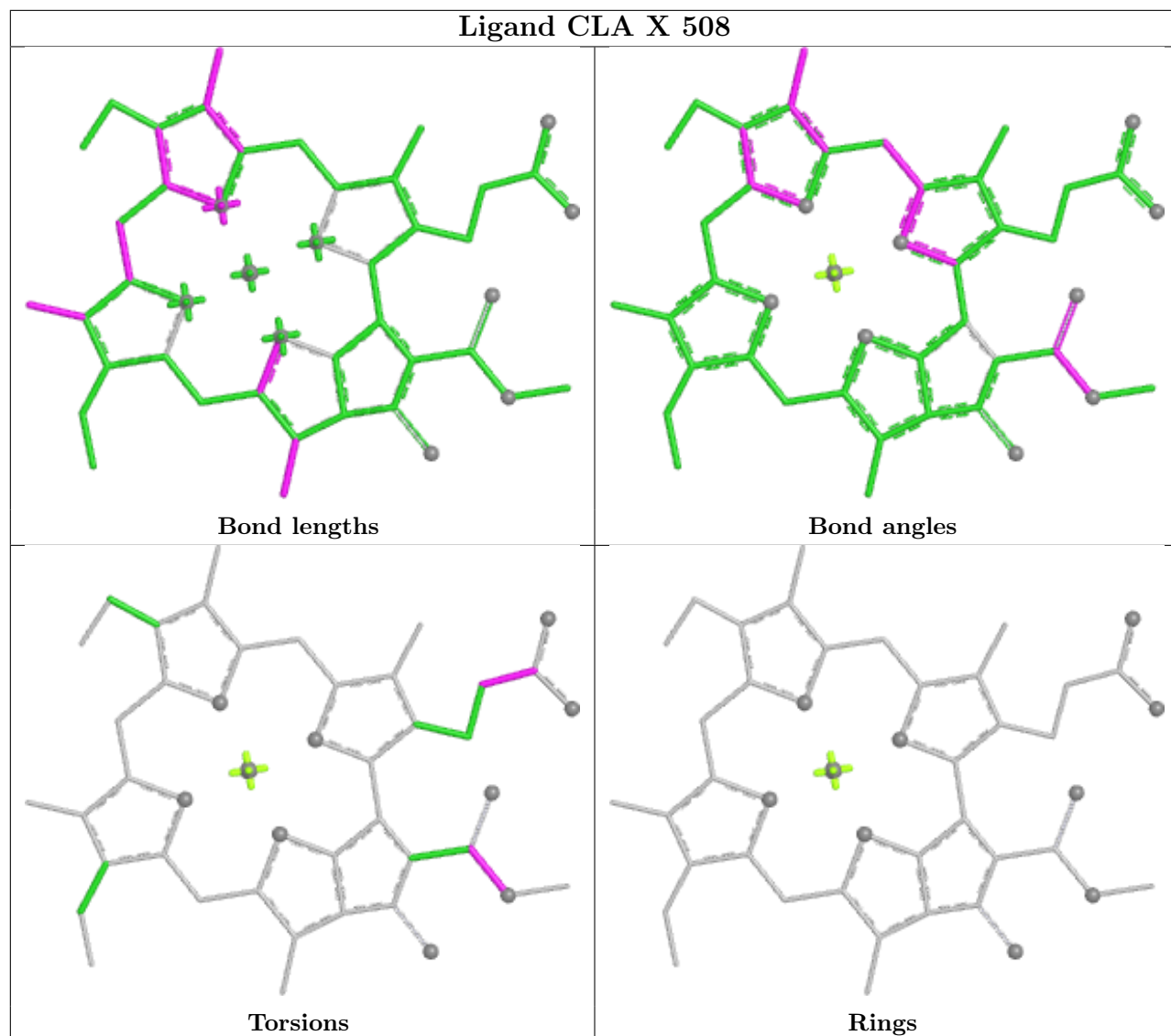
Ligand CLA bK 1103

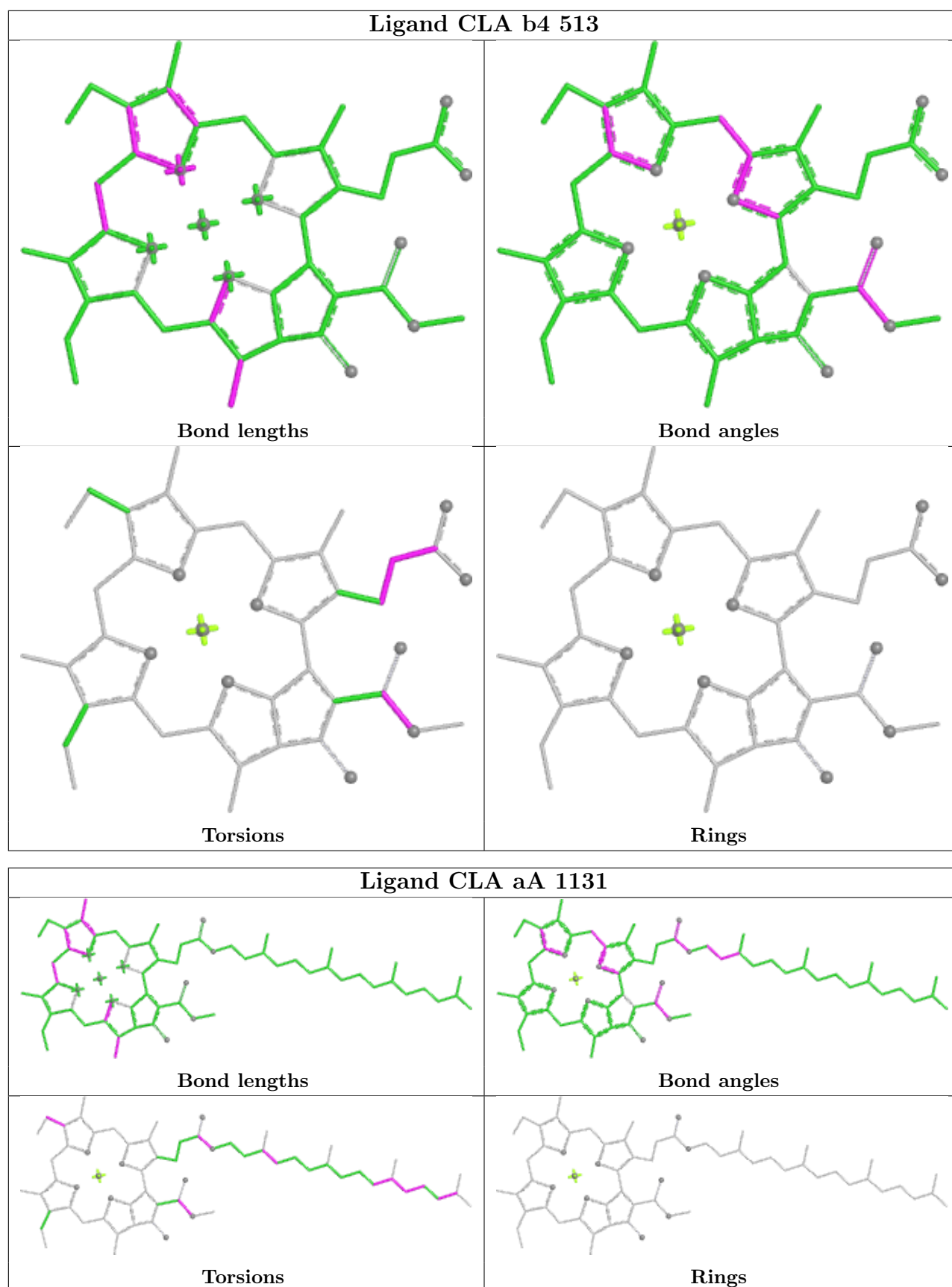


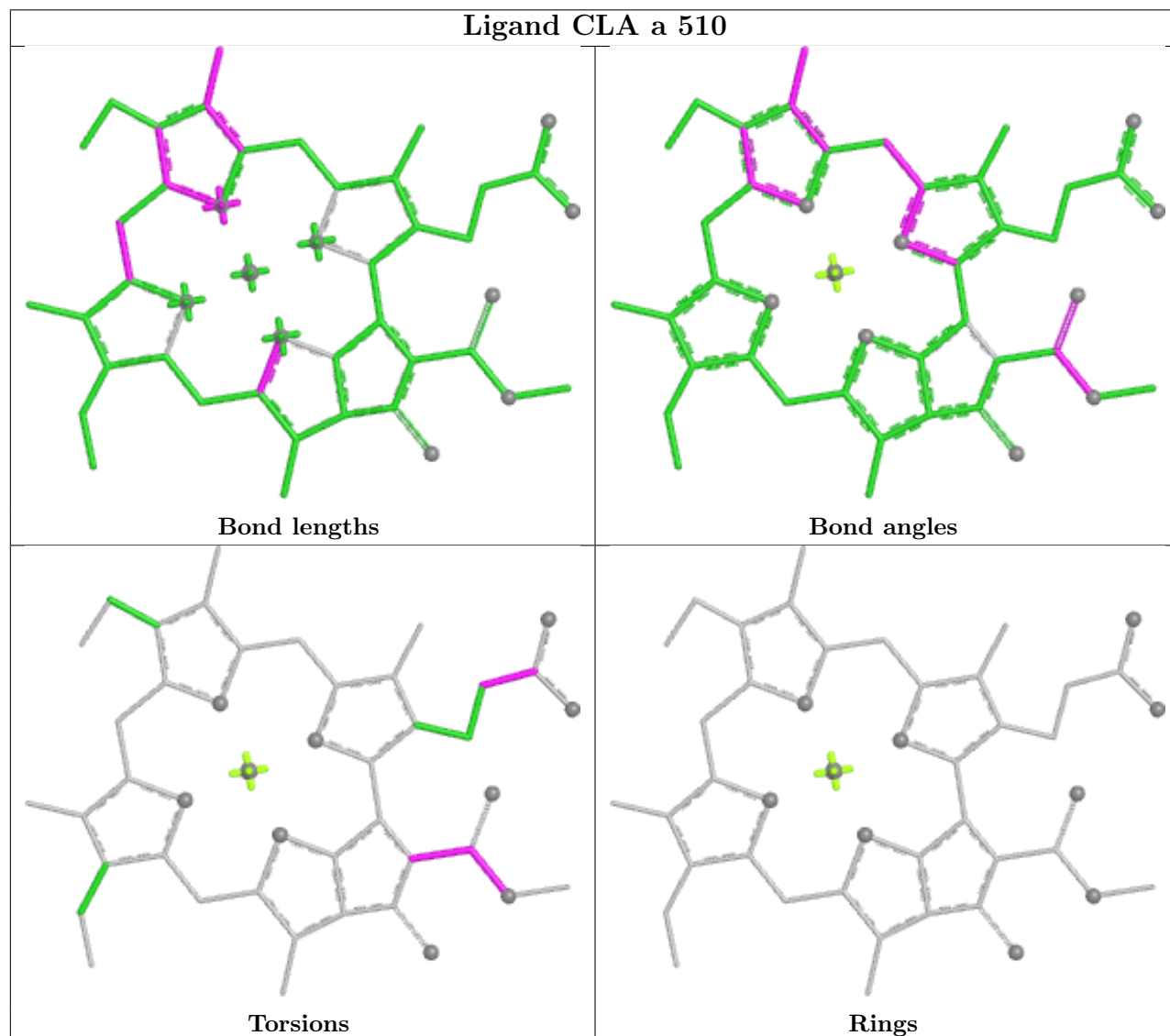
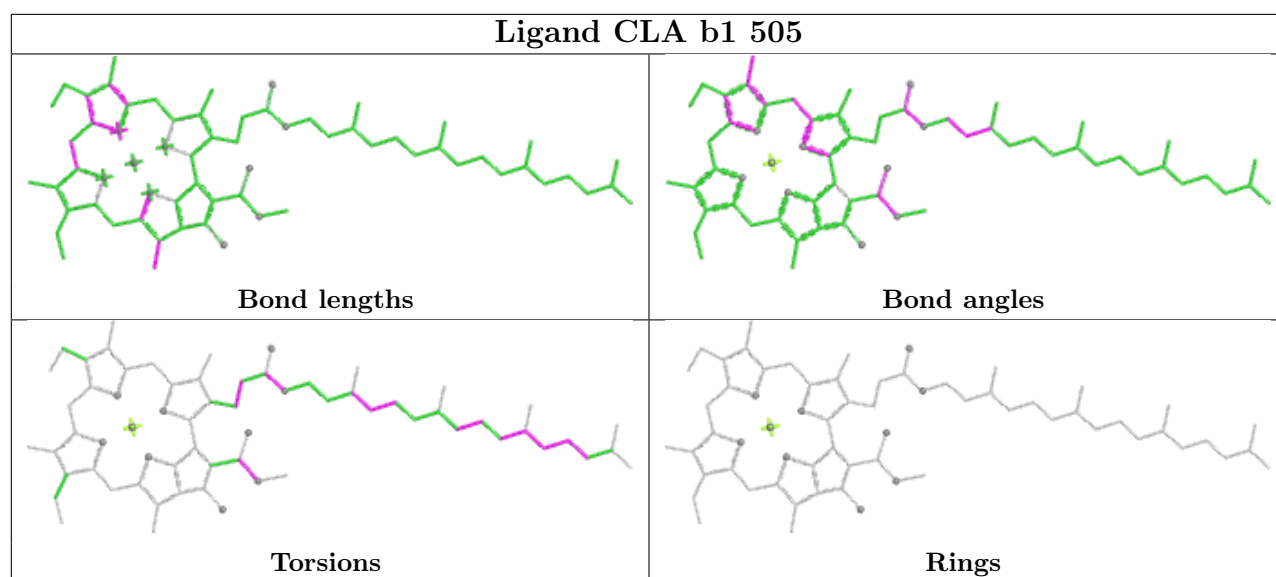




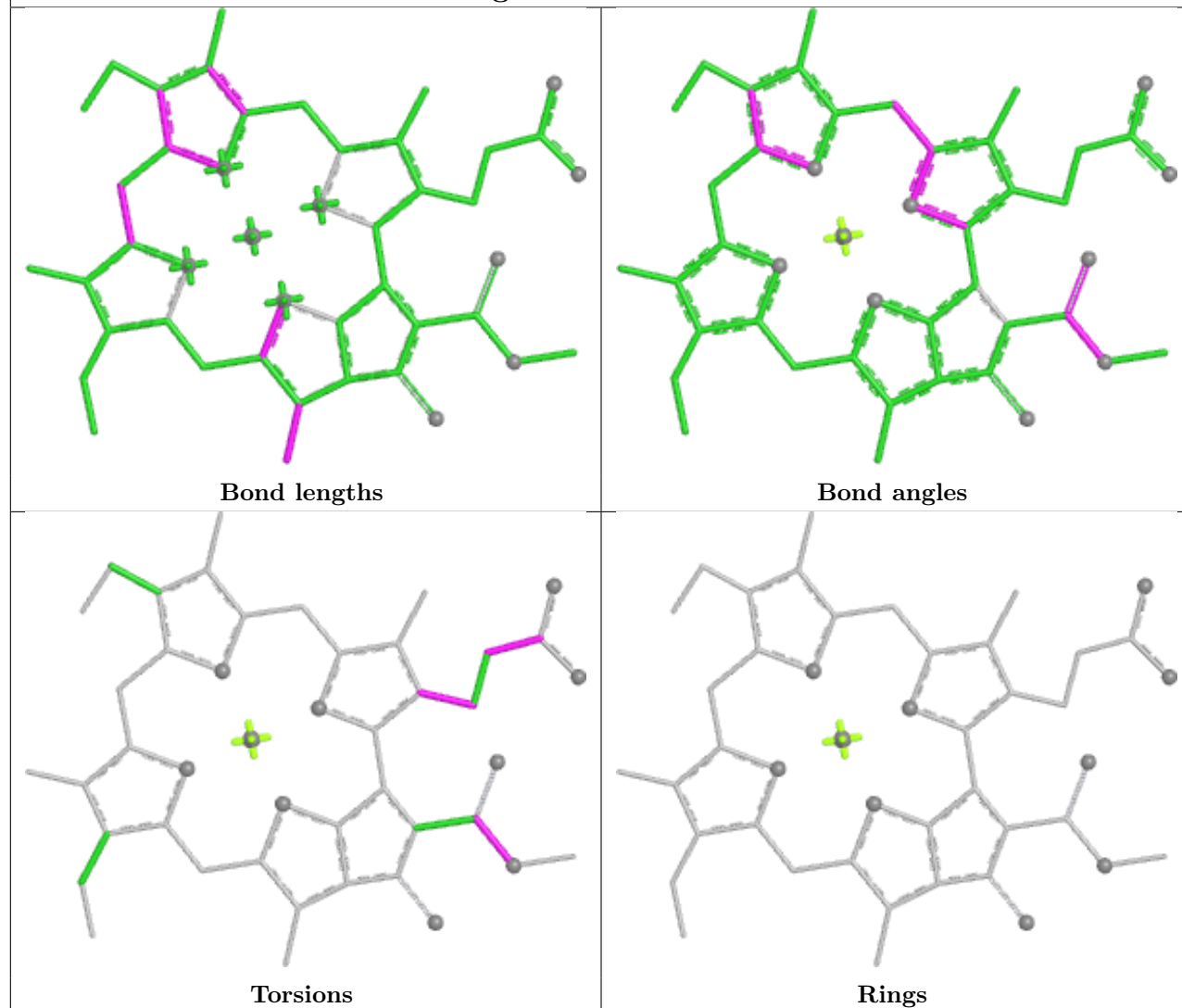
Ligand CLA X 508



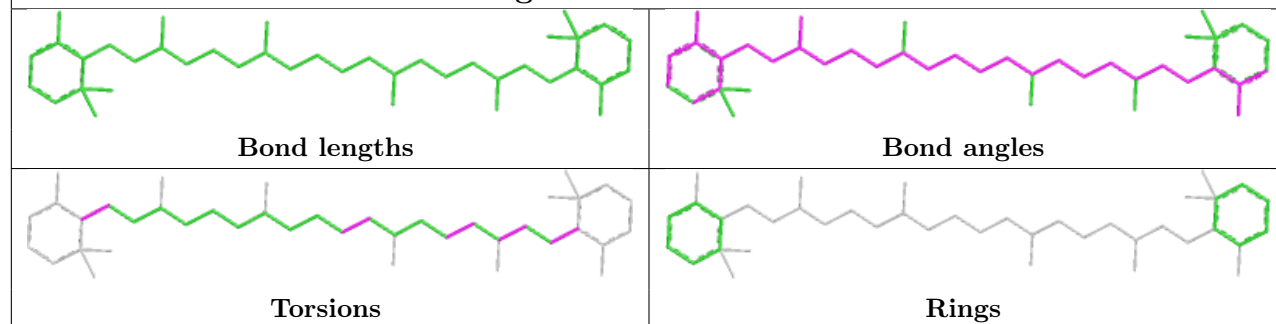


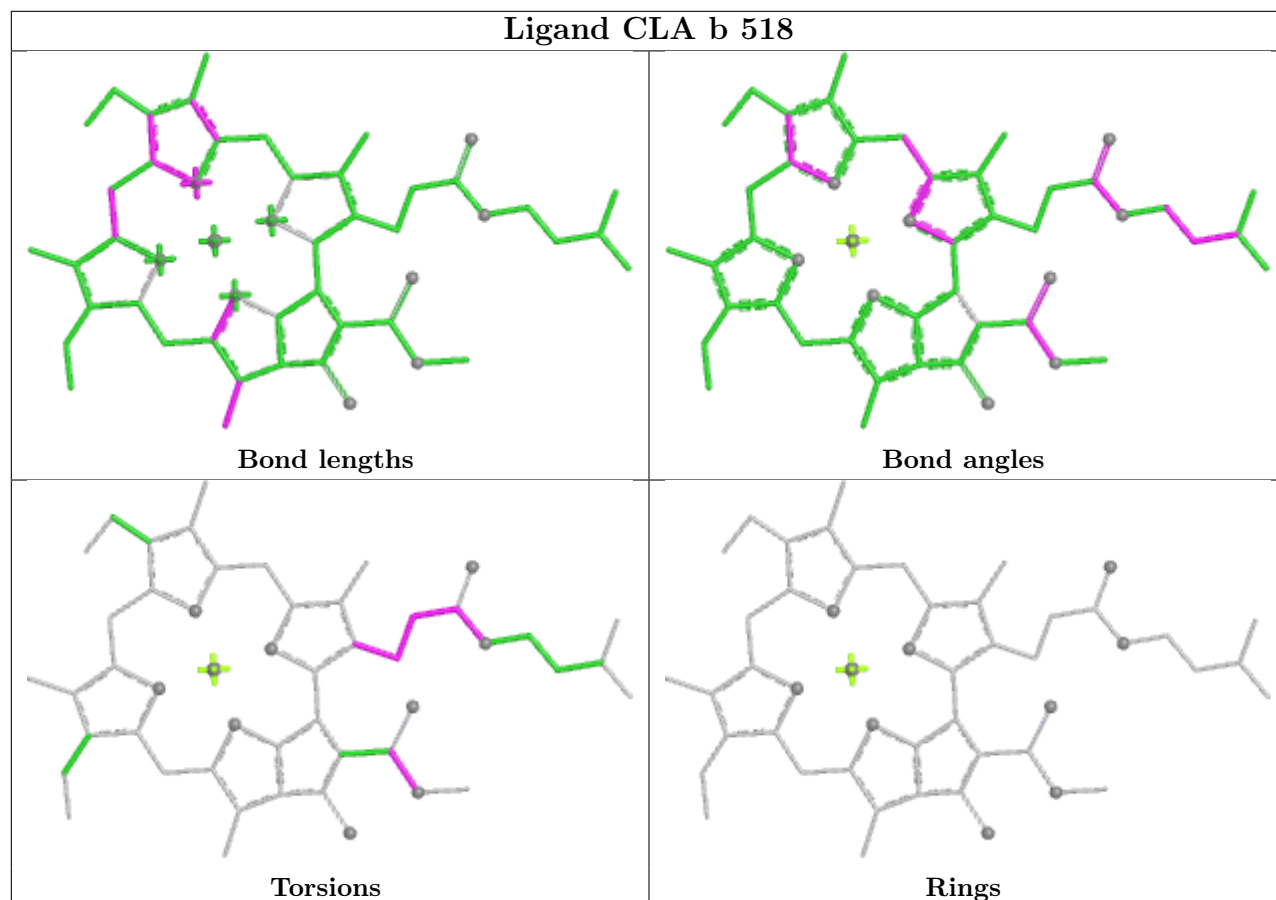
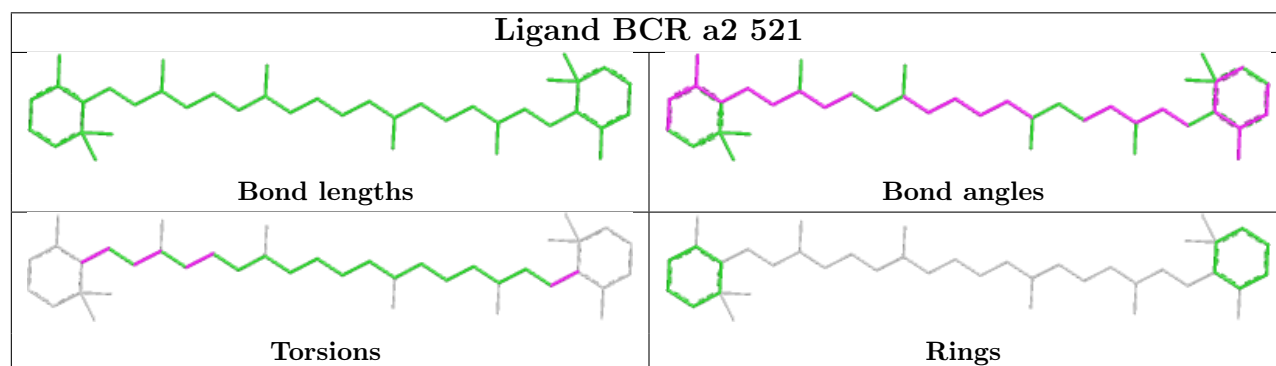
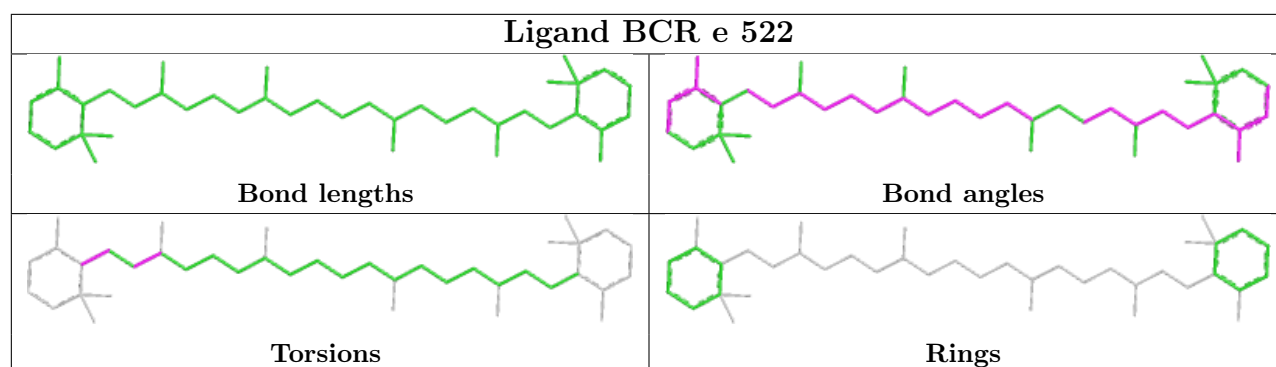


Ligand CLA V 519

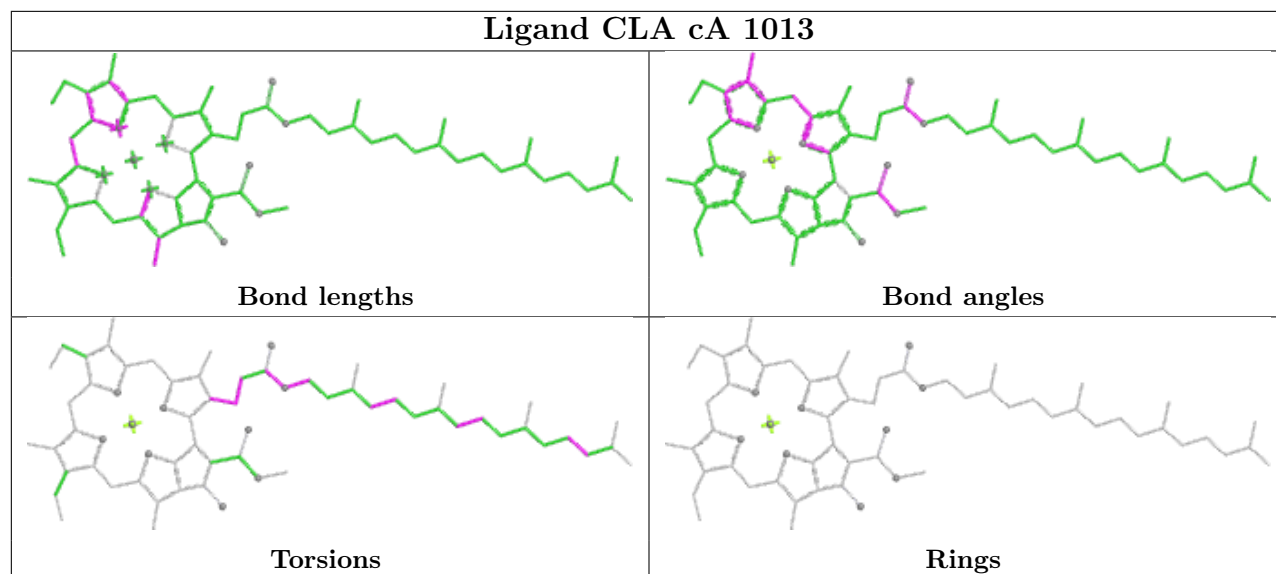


Ligand BCR bJ 4013

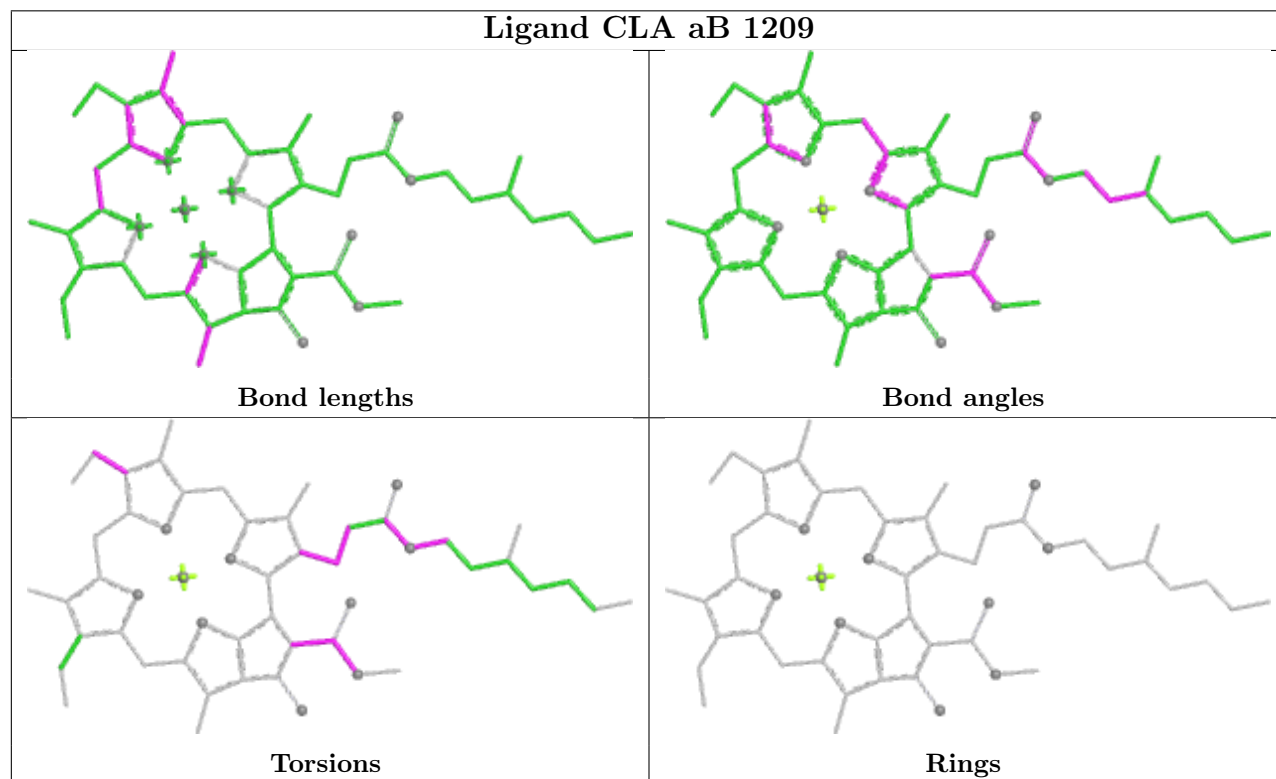


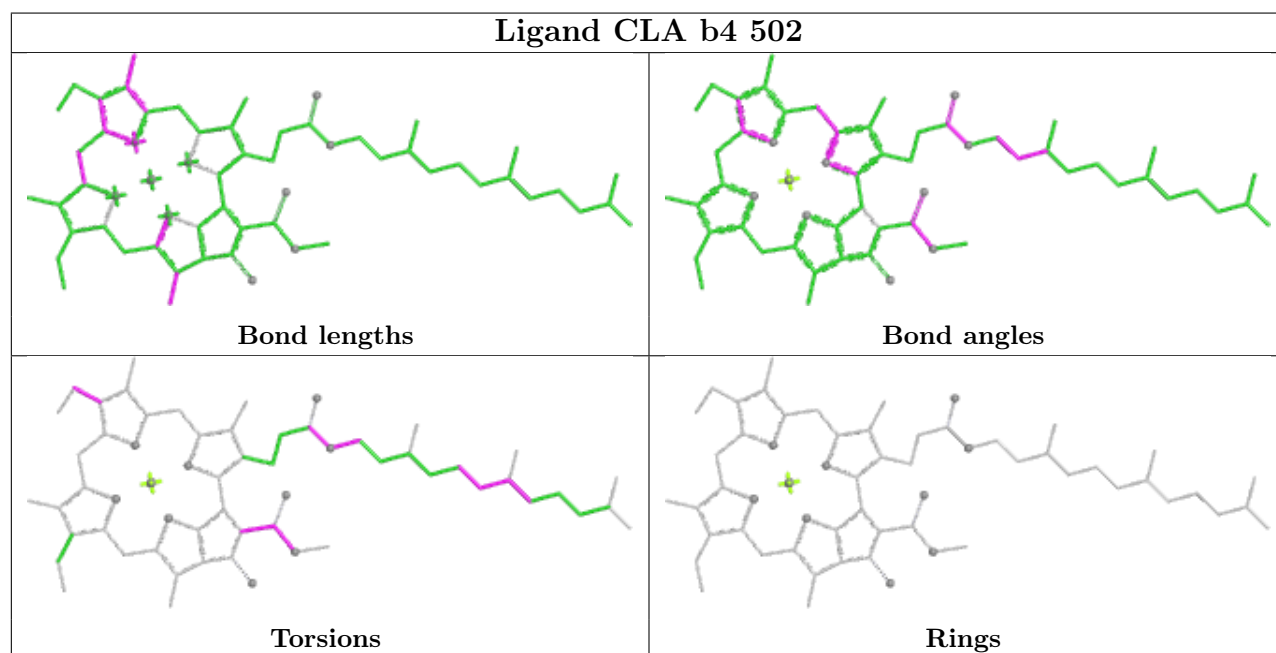
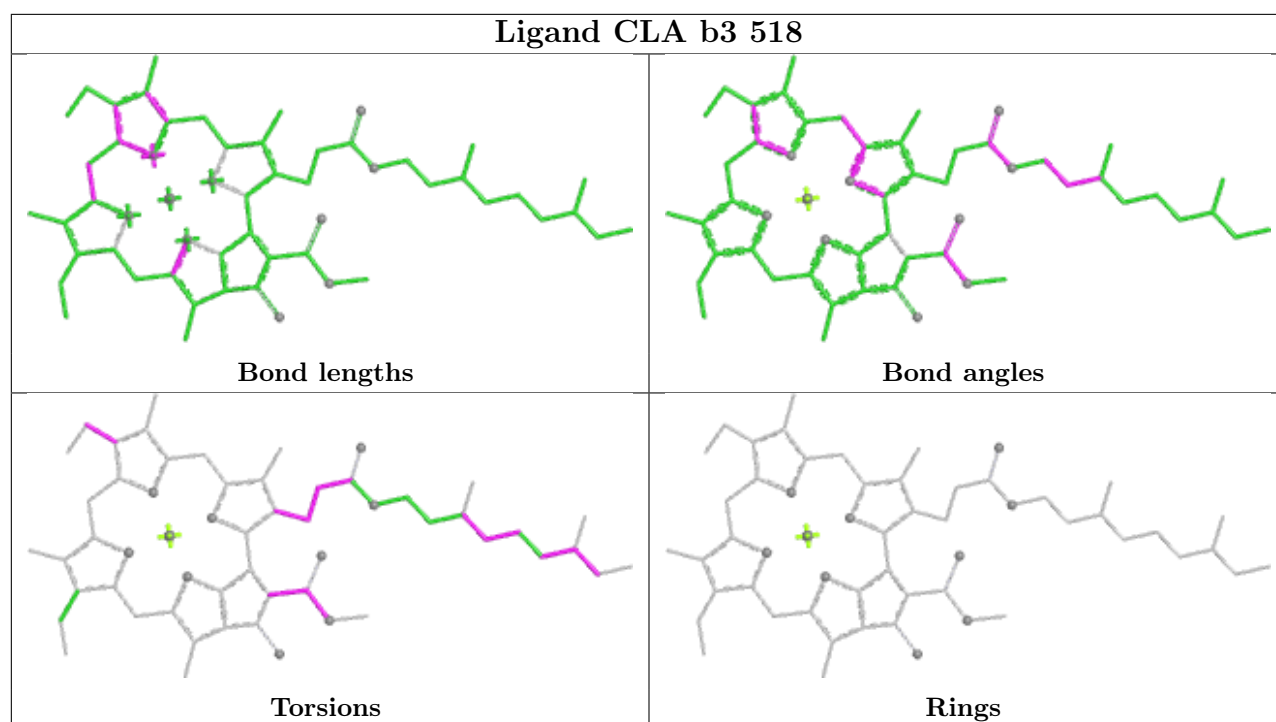


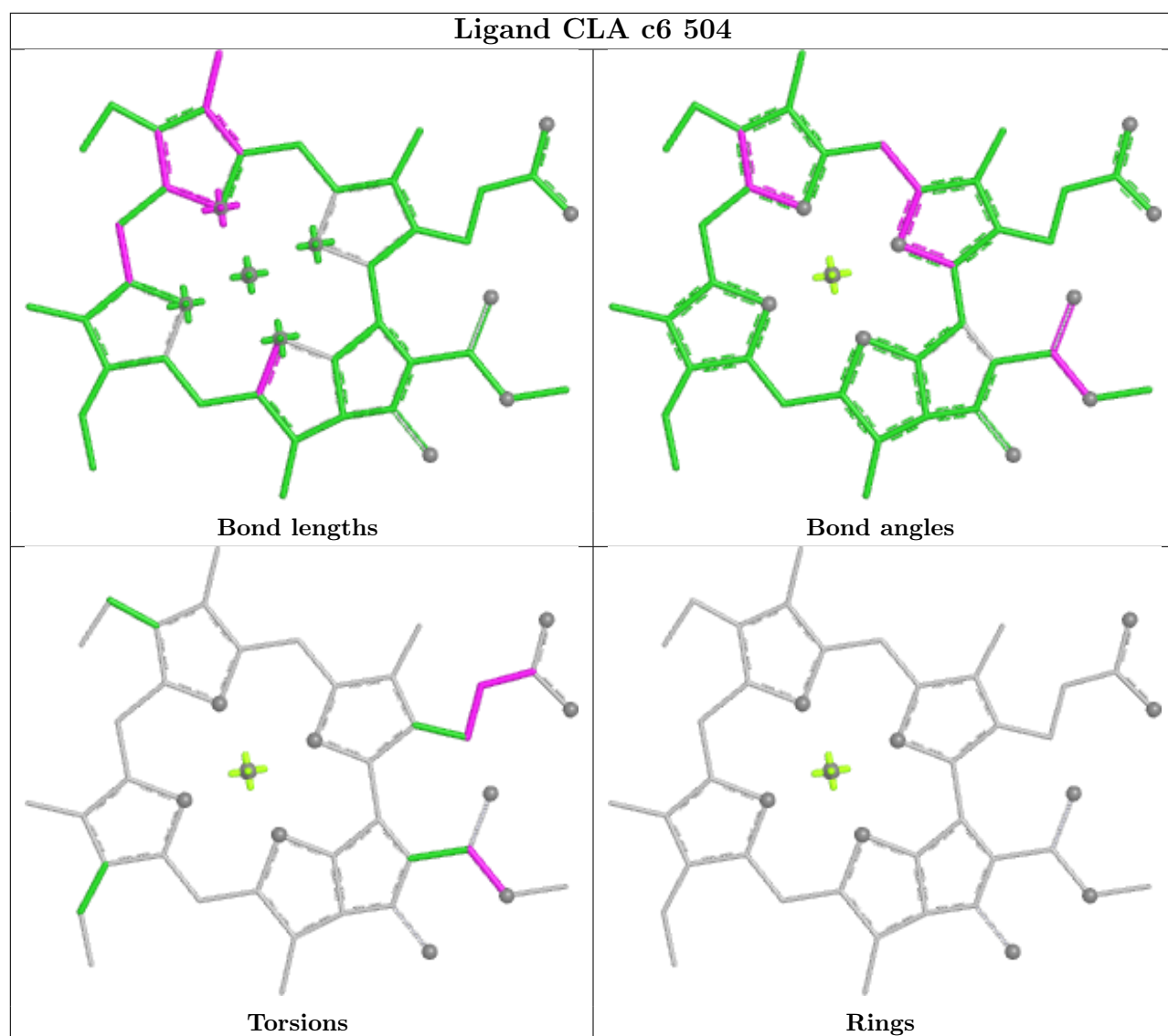
Ligand CLA cA 1013



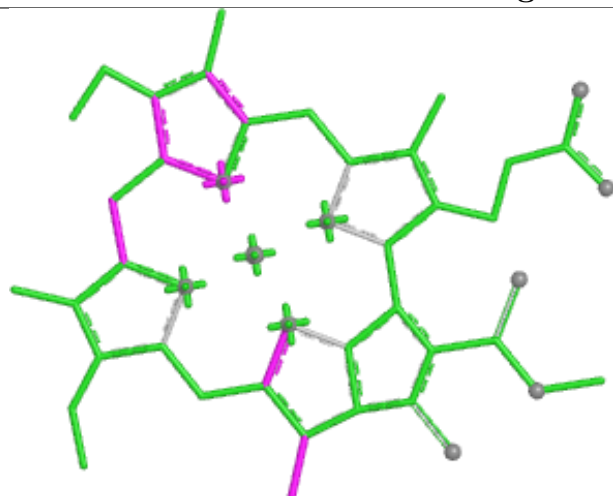
Ligand CLA aB 1209



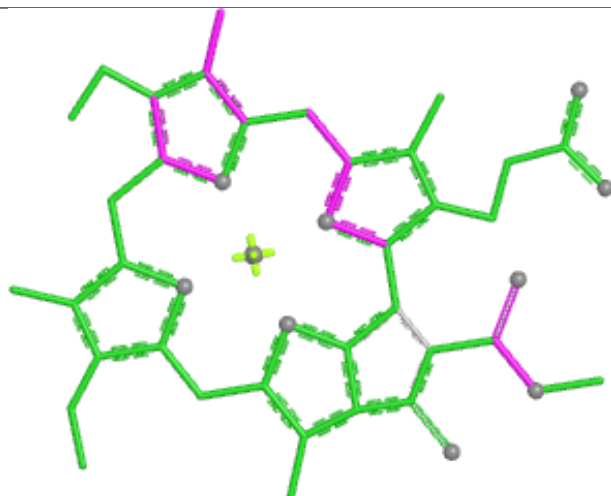




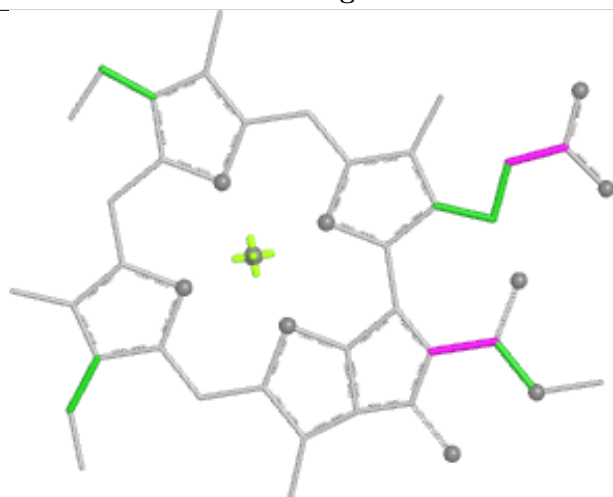
Ligand CLA h 507



Bond lengths



Bond angles

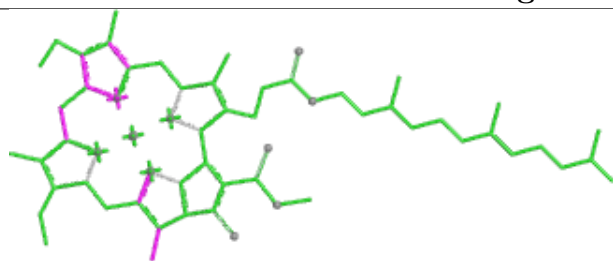


Torsions

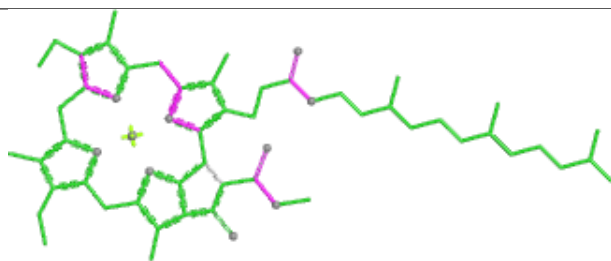


Rings

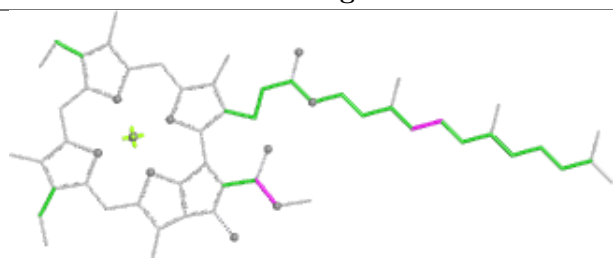
Ligand CLA S 503



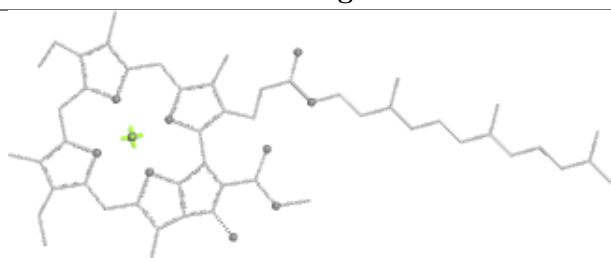
Bond lengths



Bond angles

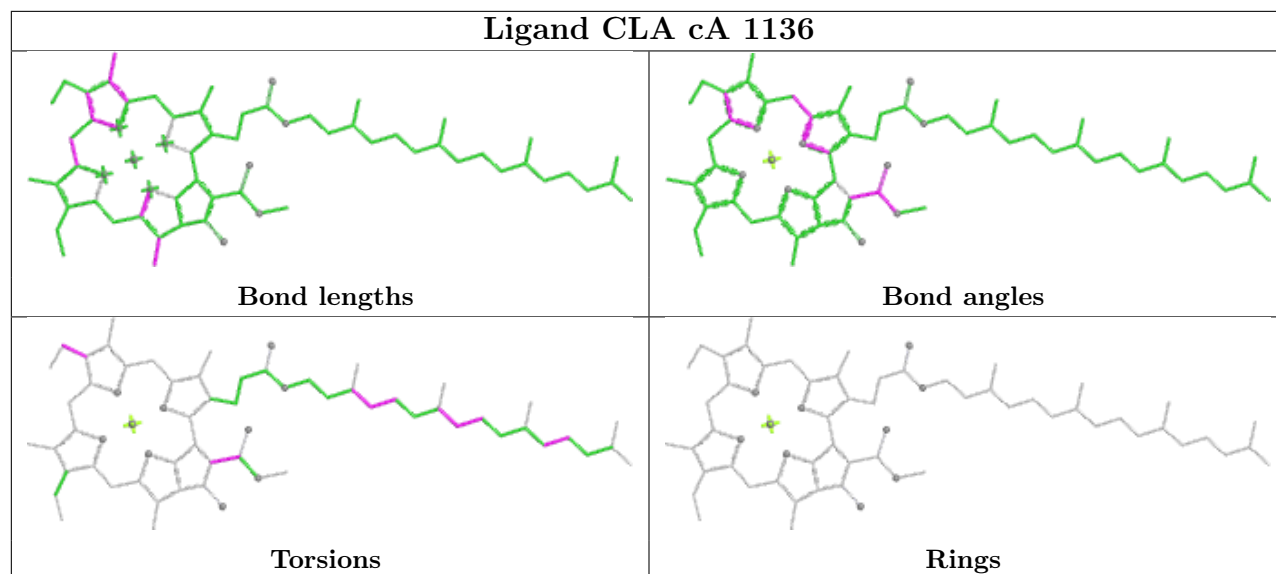


Torsions

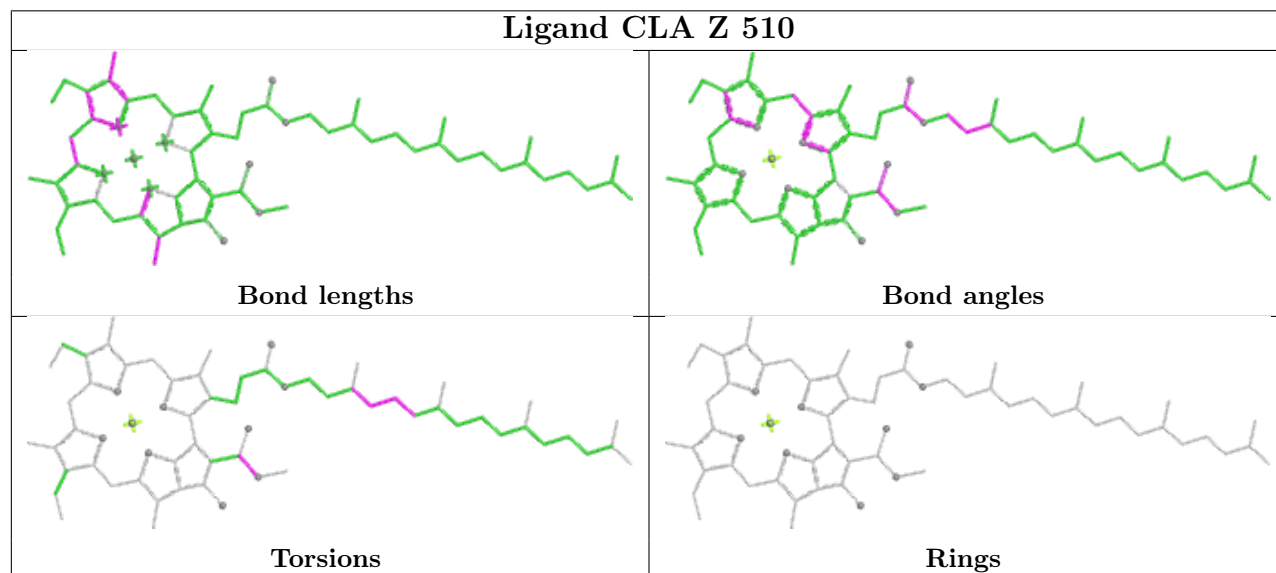


Rings

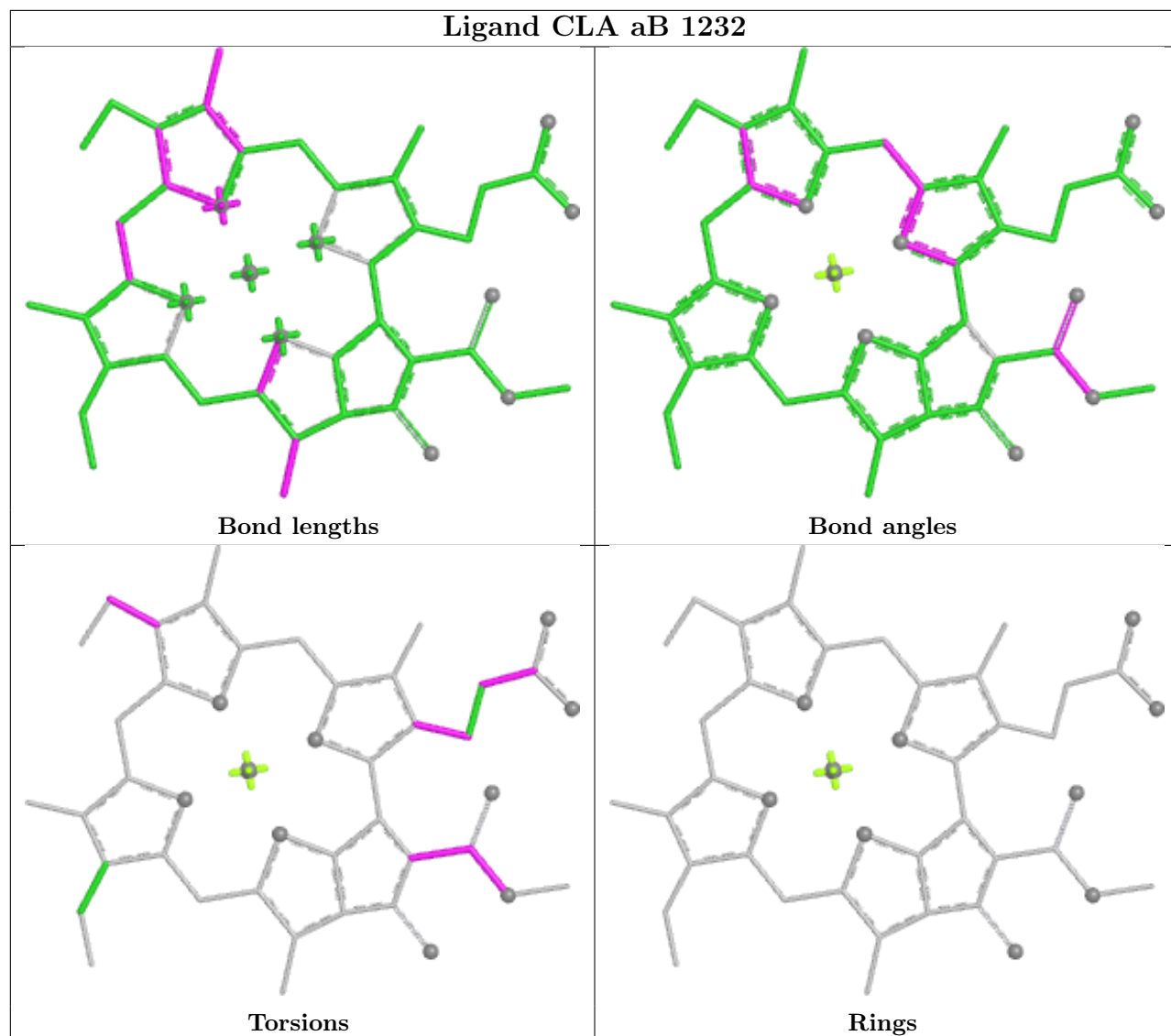
Ligand CLA cA 1136



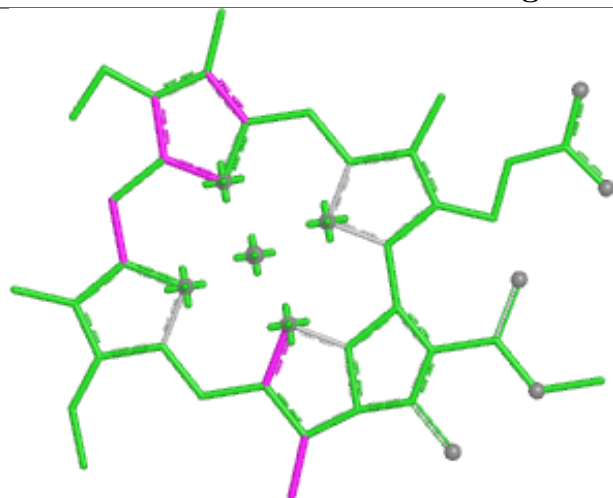
Ligand CLA Z 510



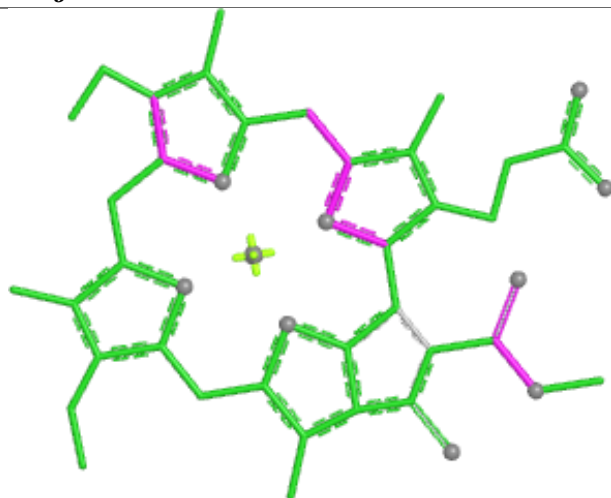
Ligand CLA aB 1232



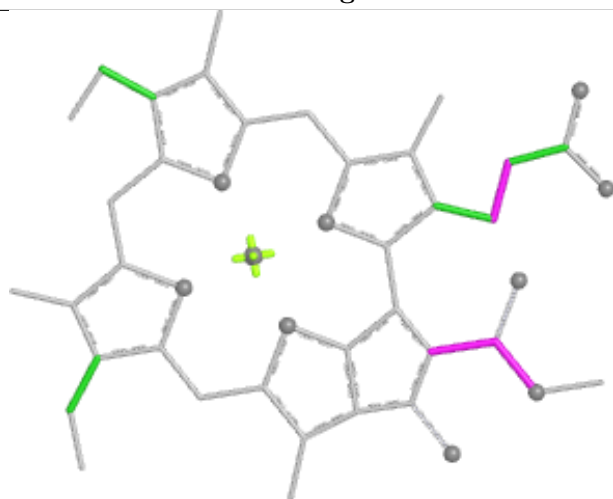
Ligand CLA j 505



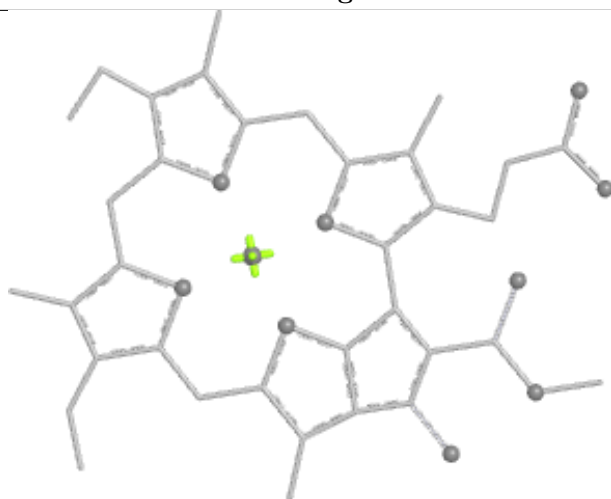
Bond lengths



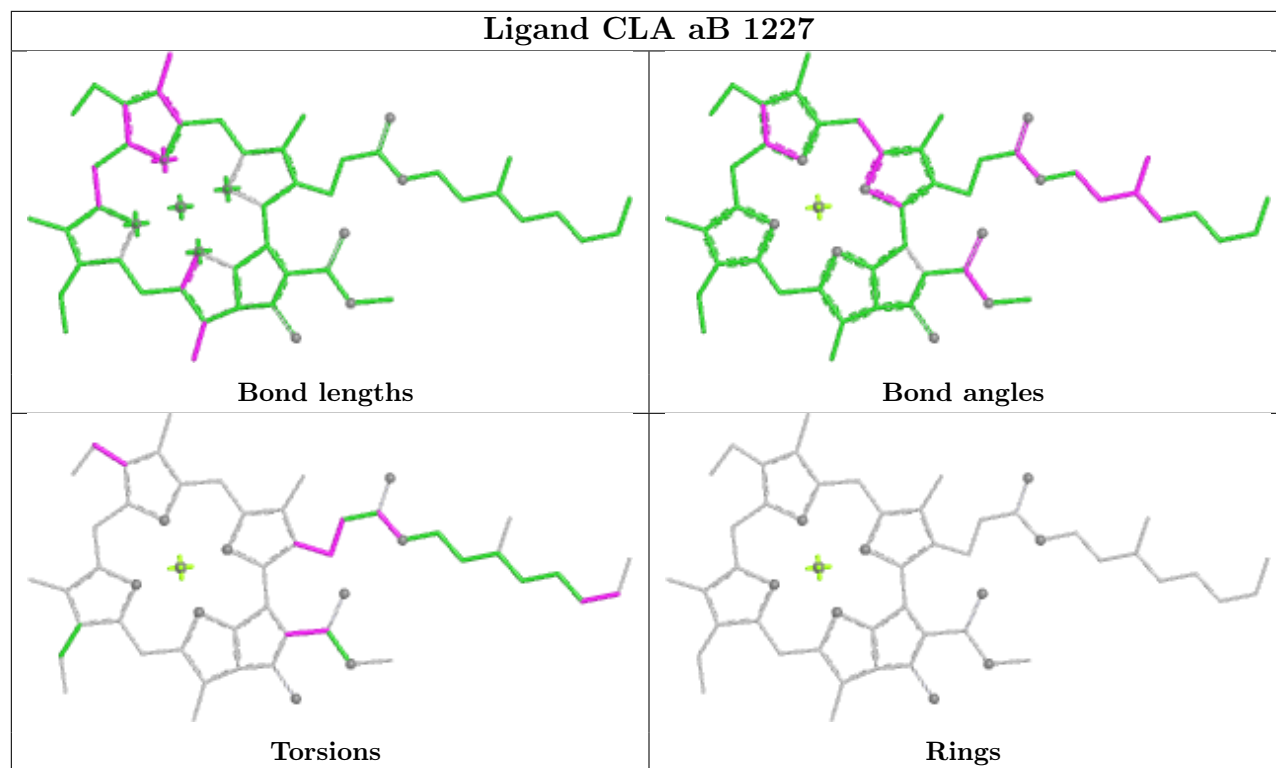
Bond angles



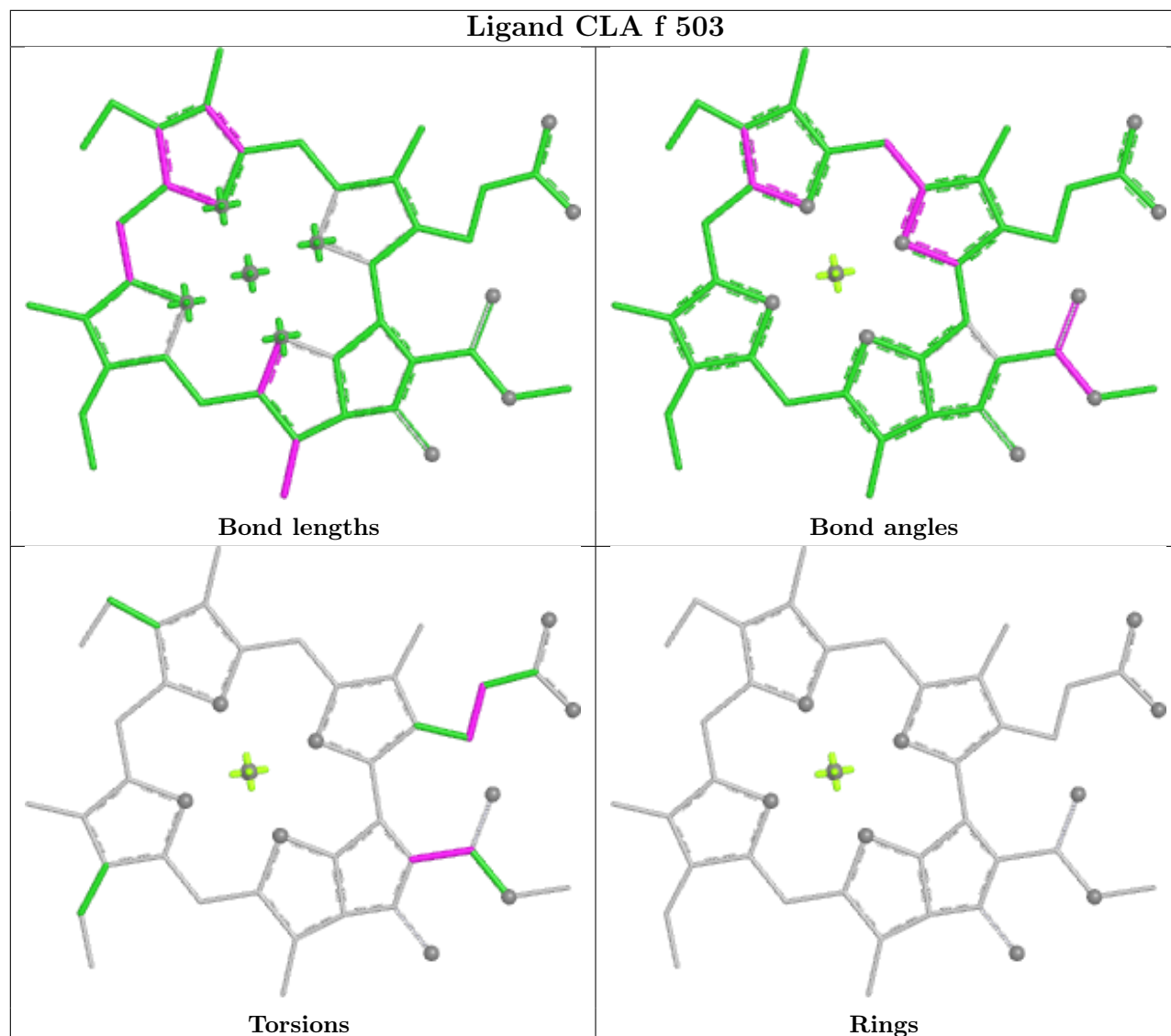
Torsions



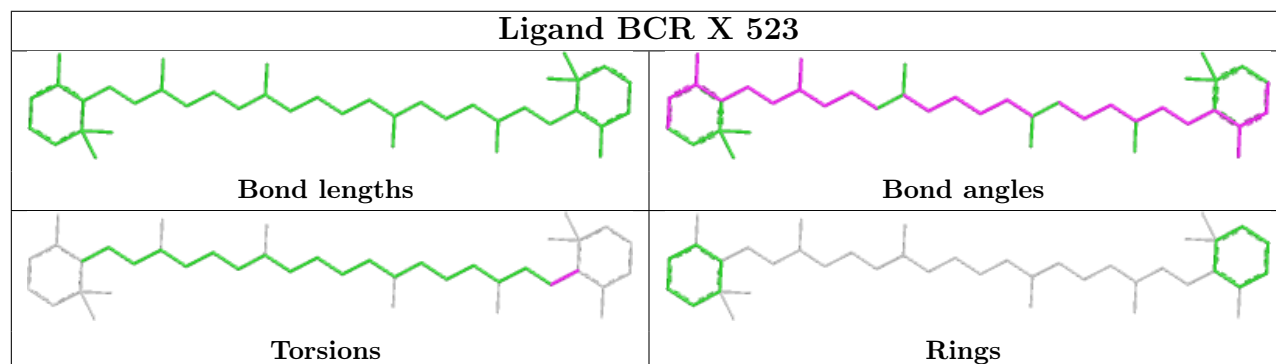
Rings



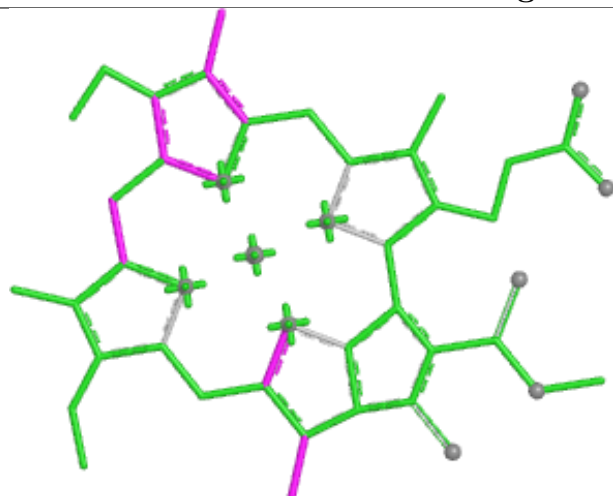
Ligand CLA f 503



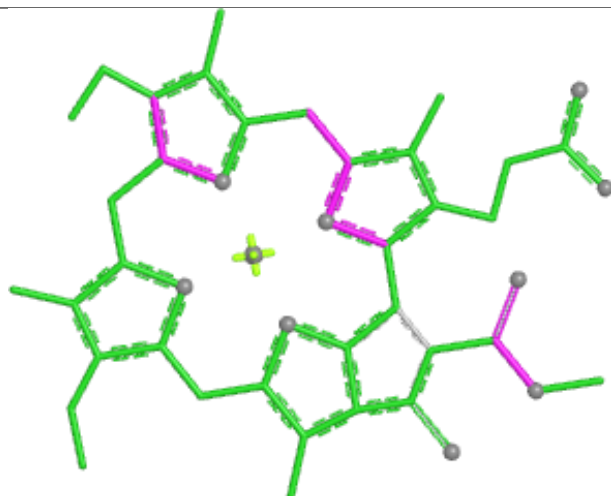
Ligand BCR X 523



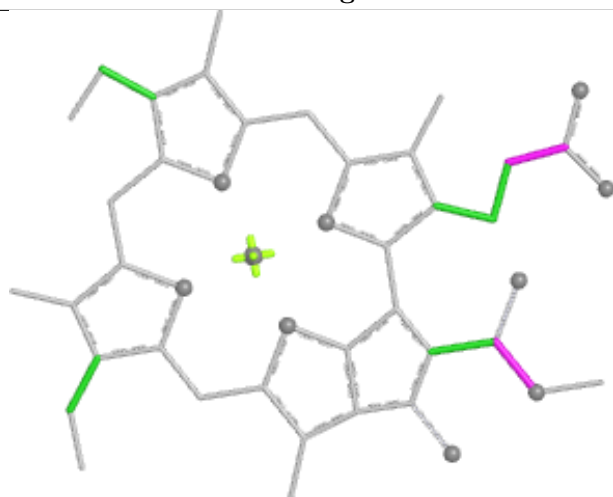
Ligand CLA n 510



Bond lengths



Bond angles

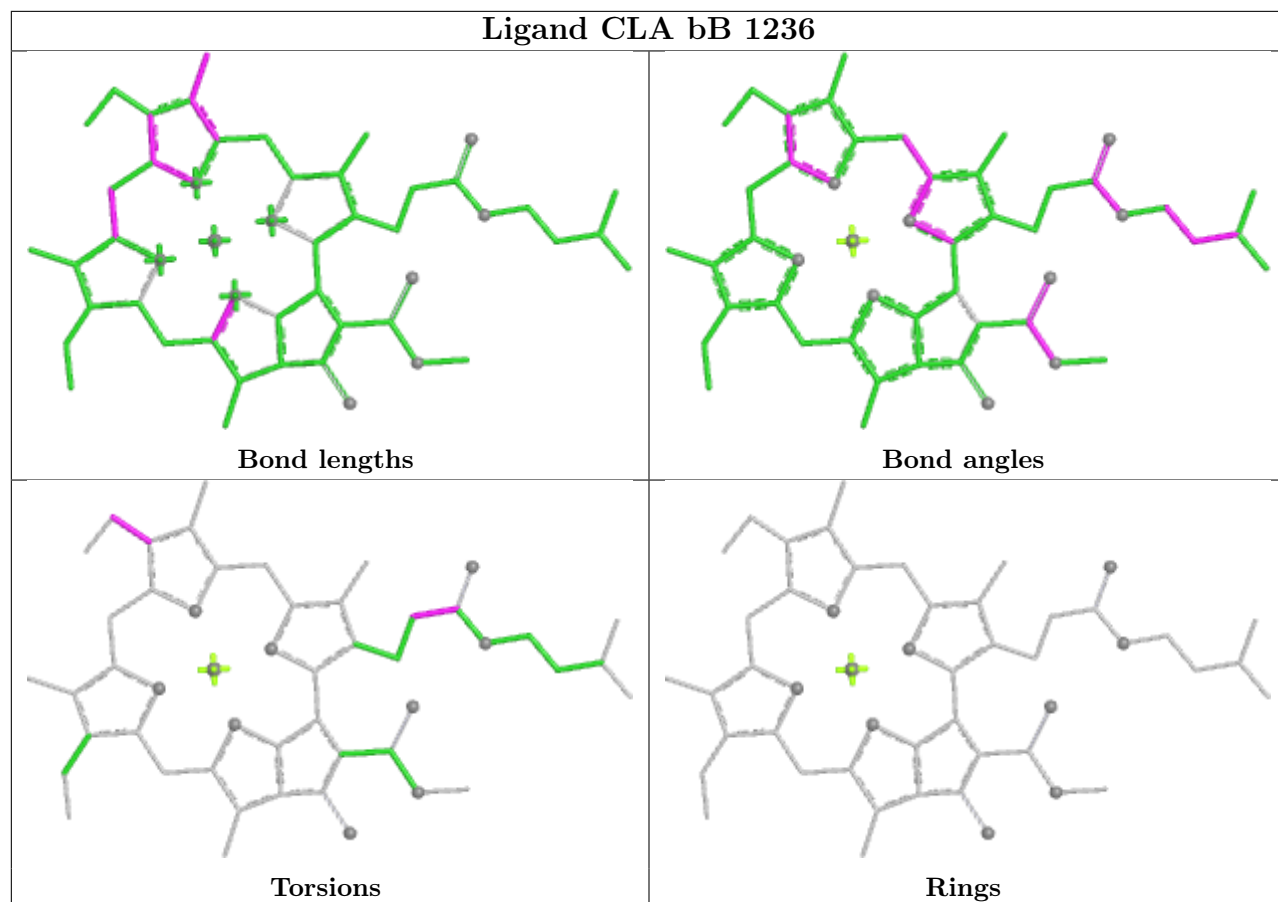


Torsions

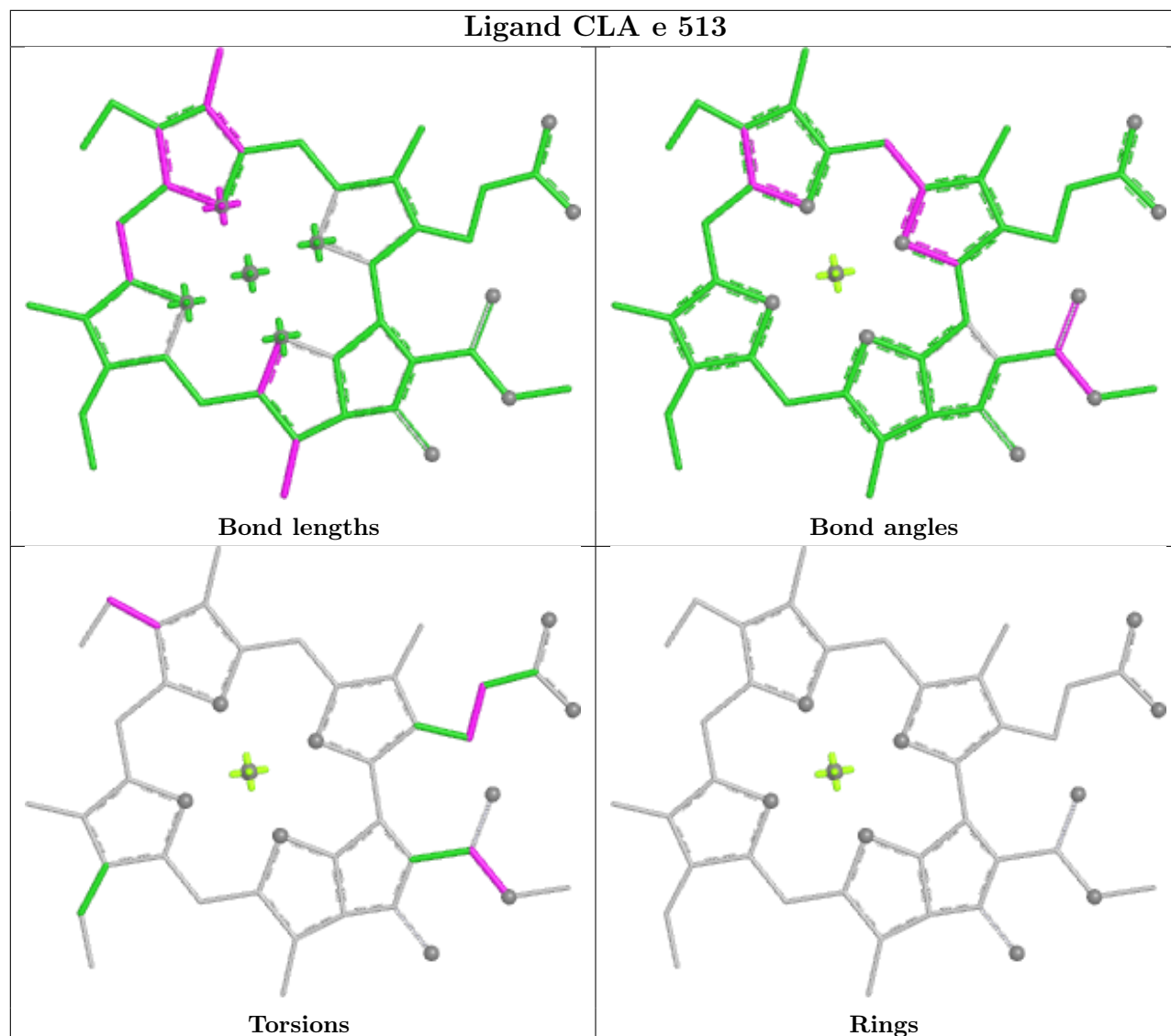


Rings

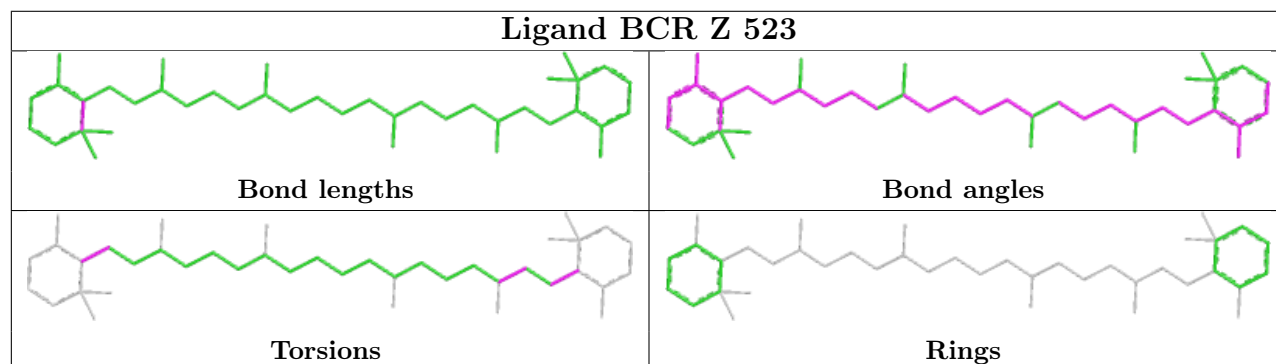
Ligand CLA bB 1236

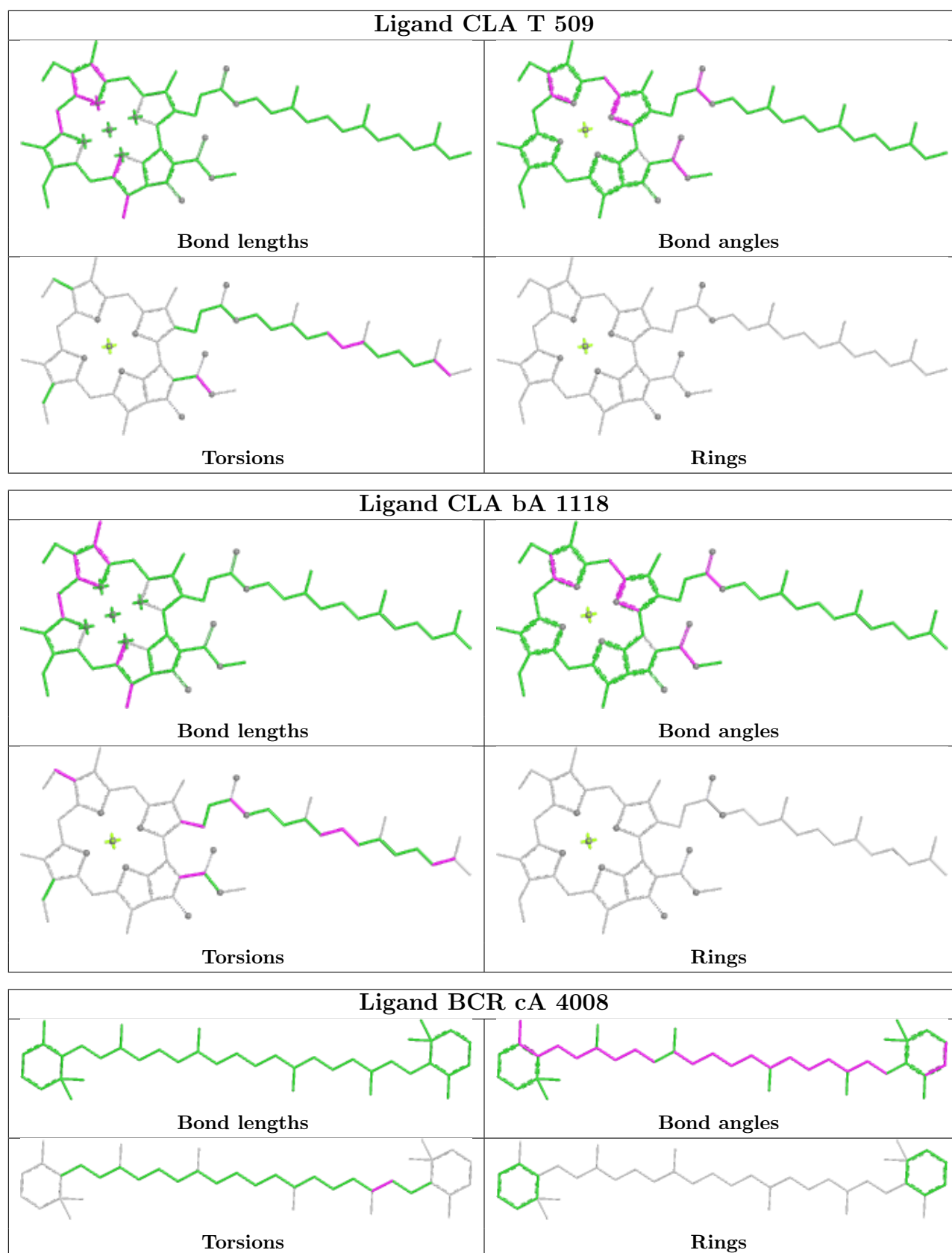


Ligand CLA e 513

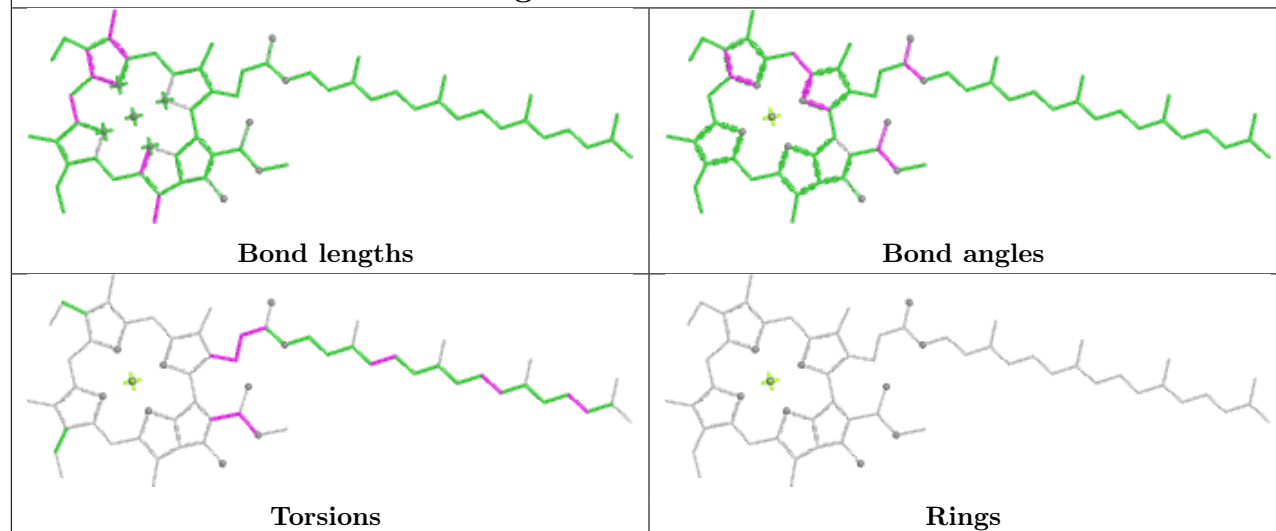


Ligand BCR Z 523

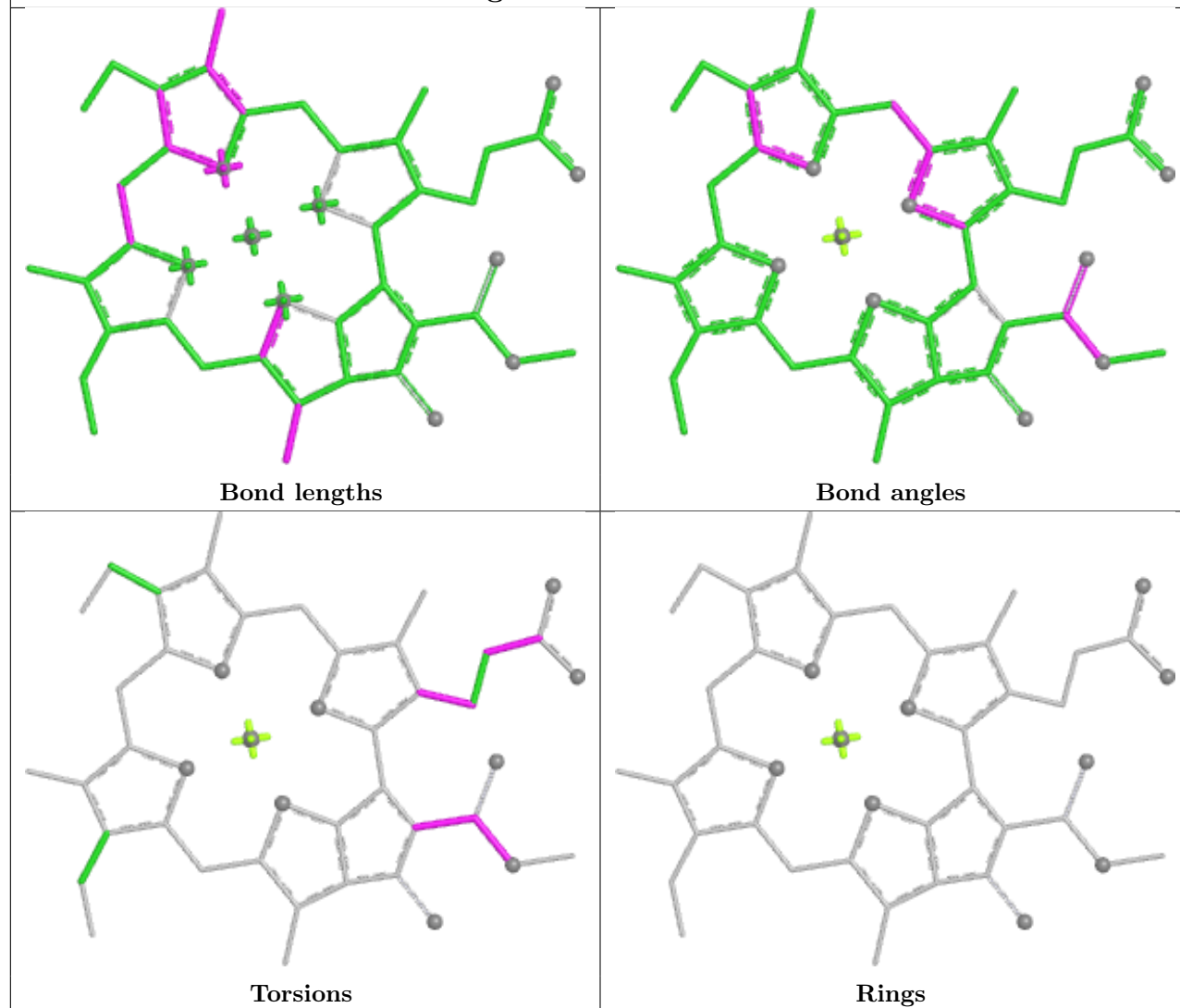




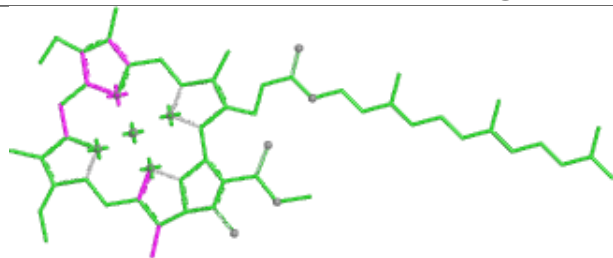
Ligand CLA aB 1207



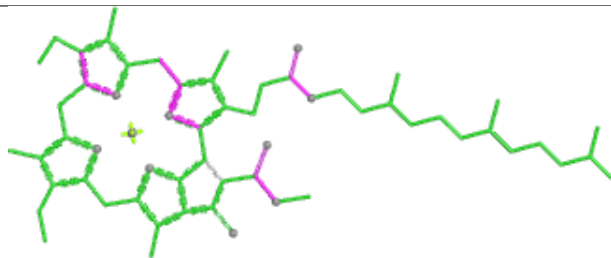
Ligand CLA W 511



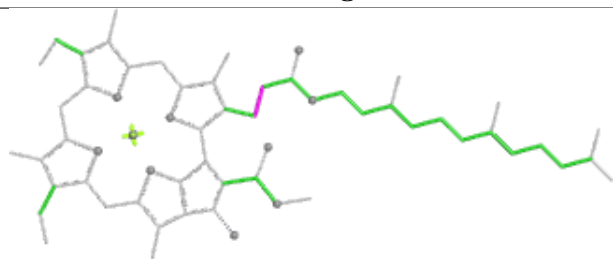
Ligand CLA aB 1204



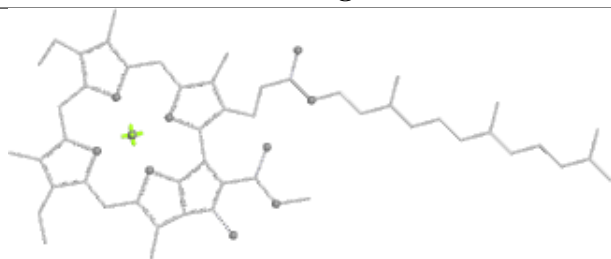
Bond lengths



Bond angles

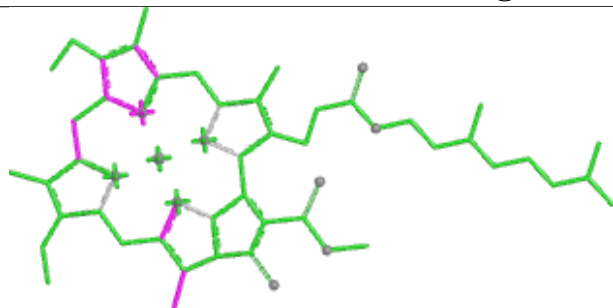


Torsions

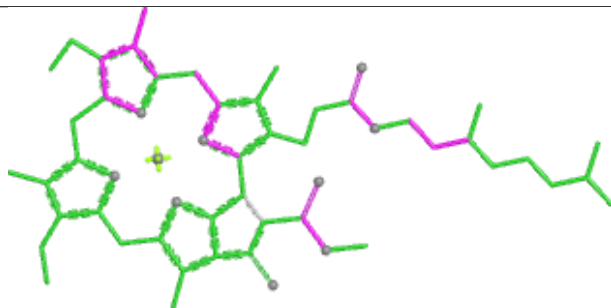


Rings

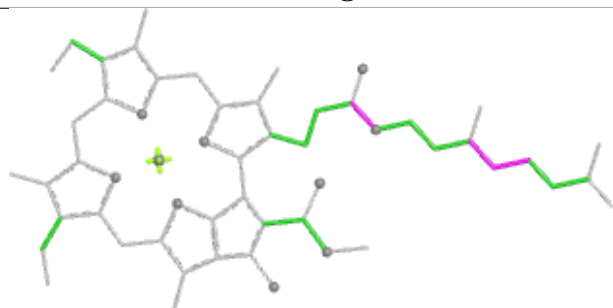
Ligand CLA aA 1130



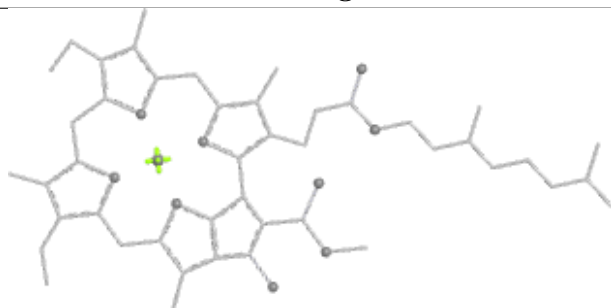
Bond lengths



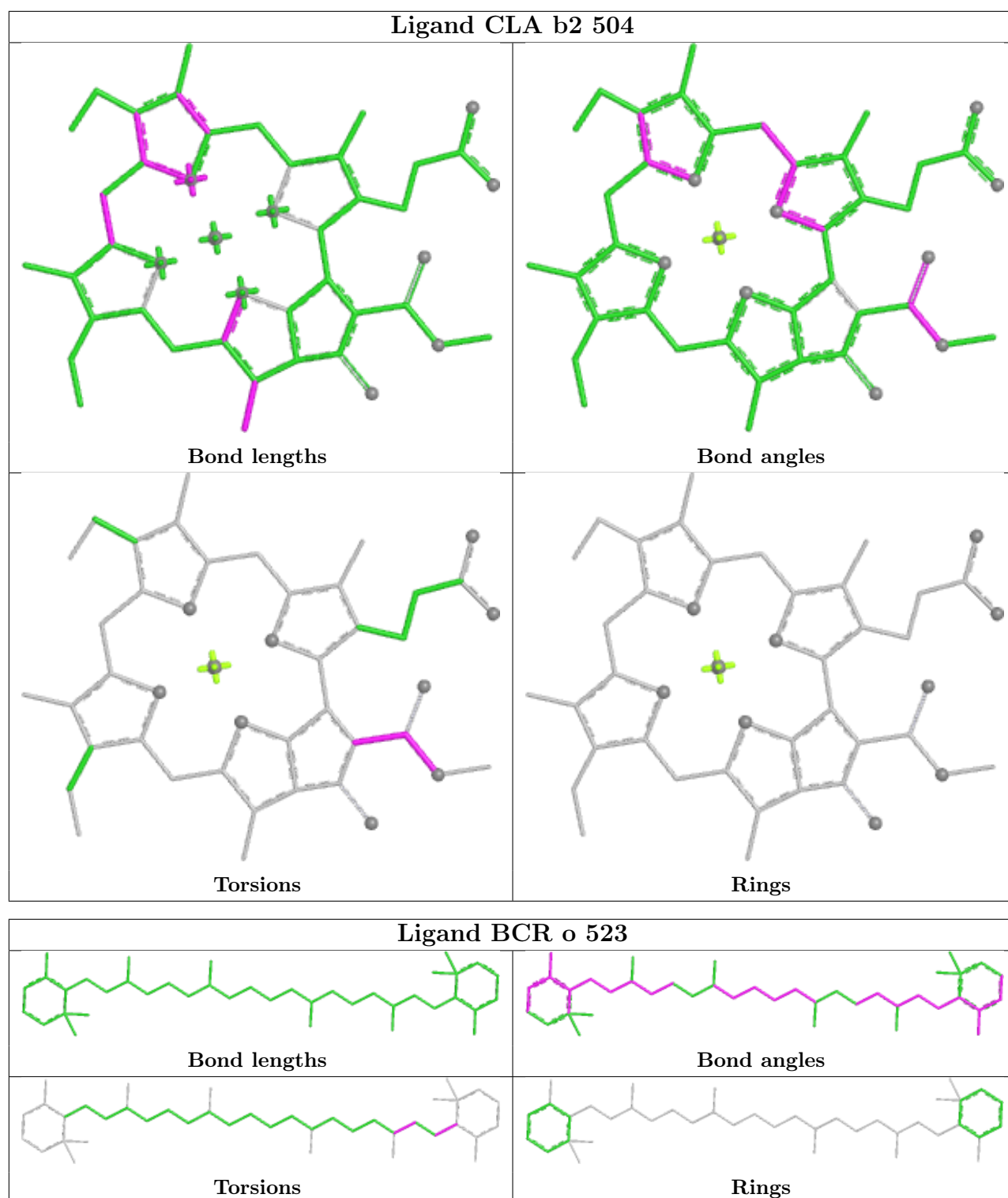
Bond angles

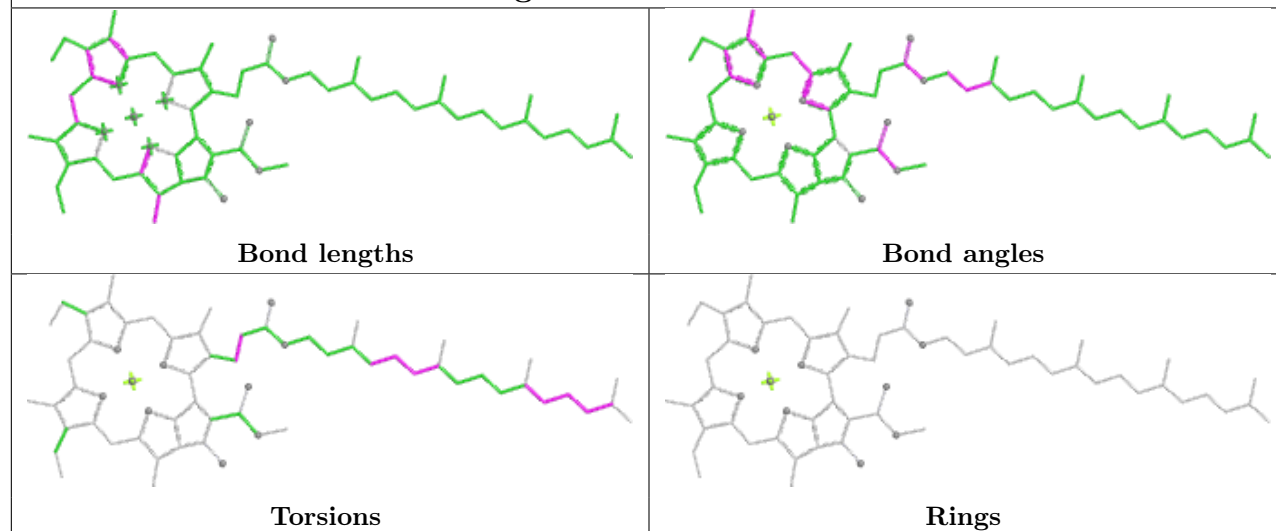
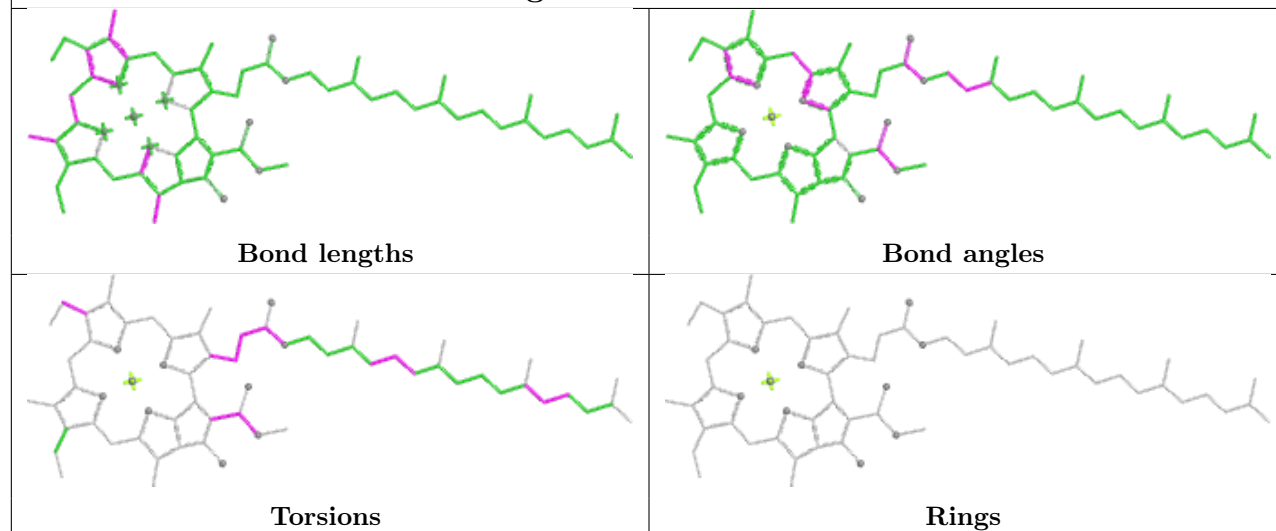


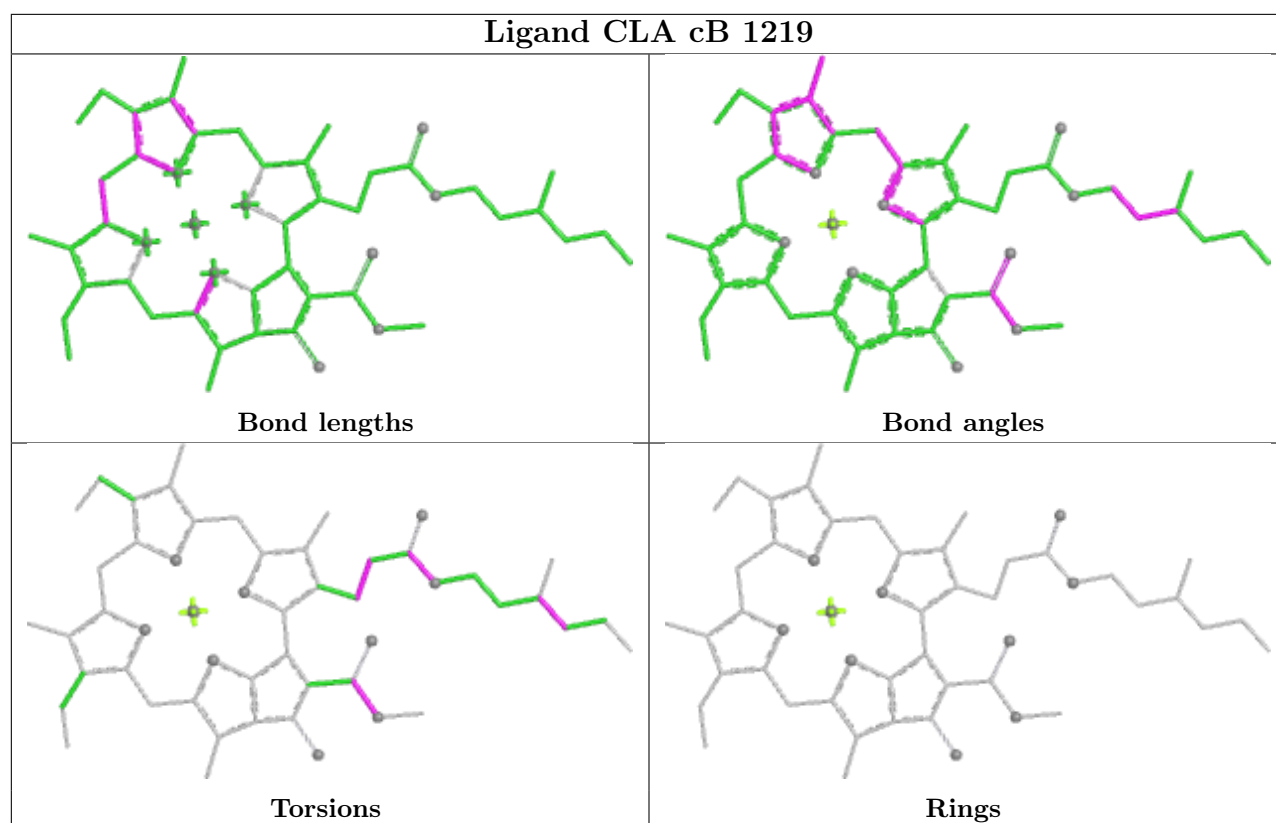
Torsions



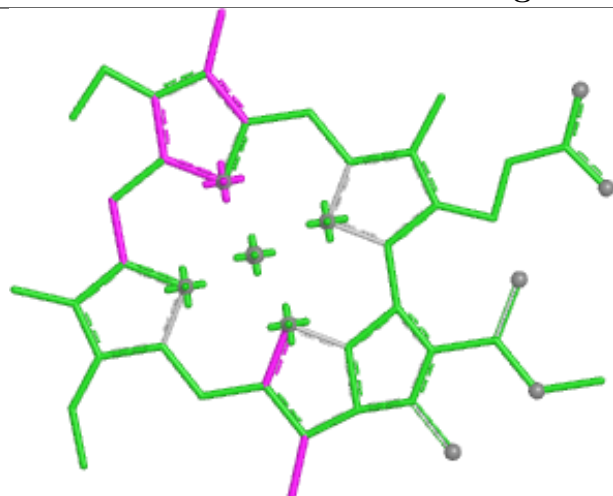
Rings



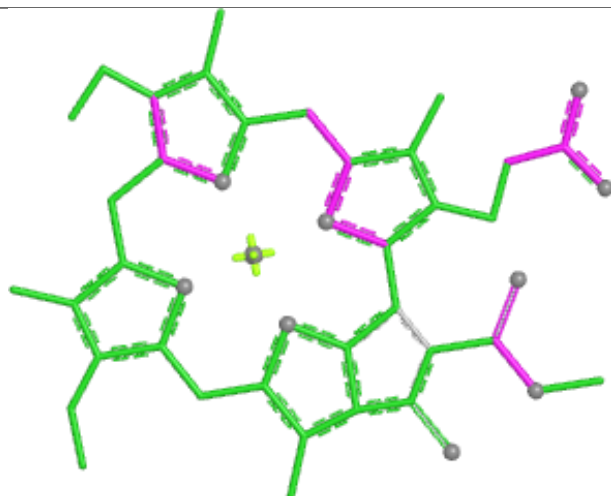
Ligand CLA aB 1213**Ligand CLA b4 501**



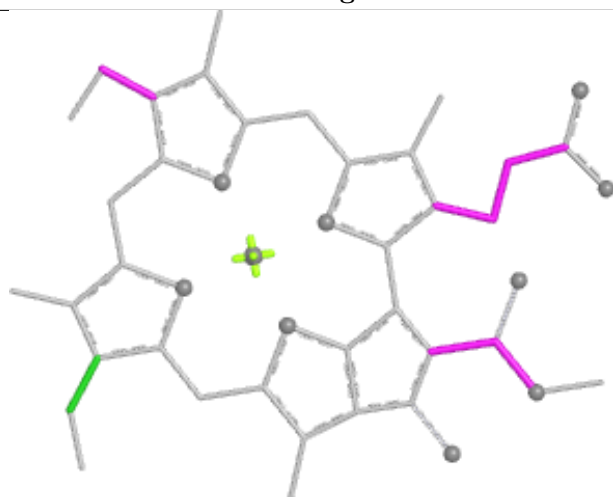
Ligand CLA V 517



Bond lengths



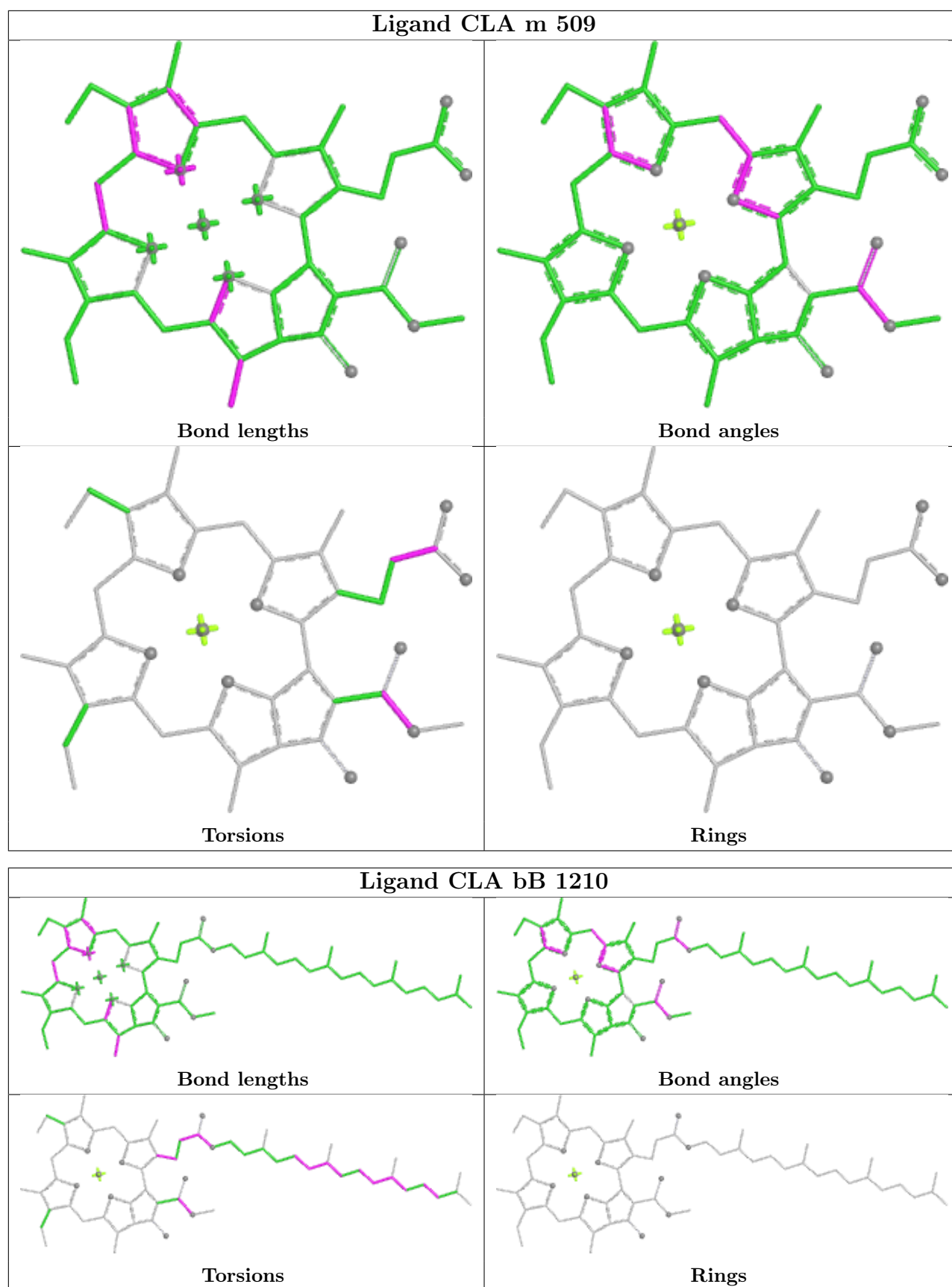
Bond angles

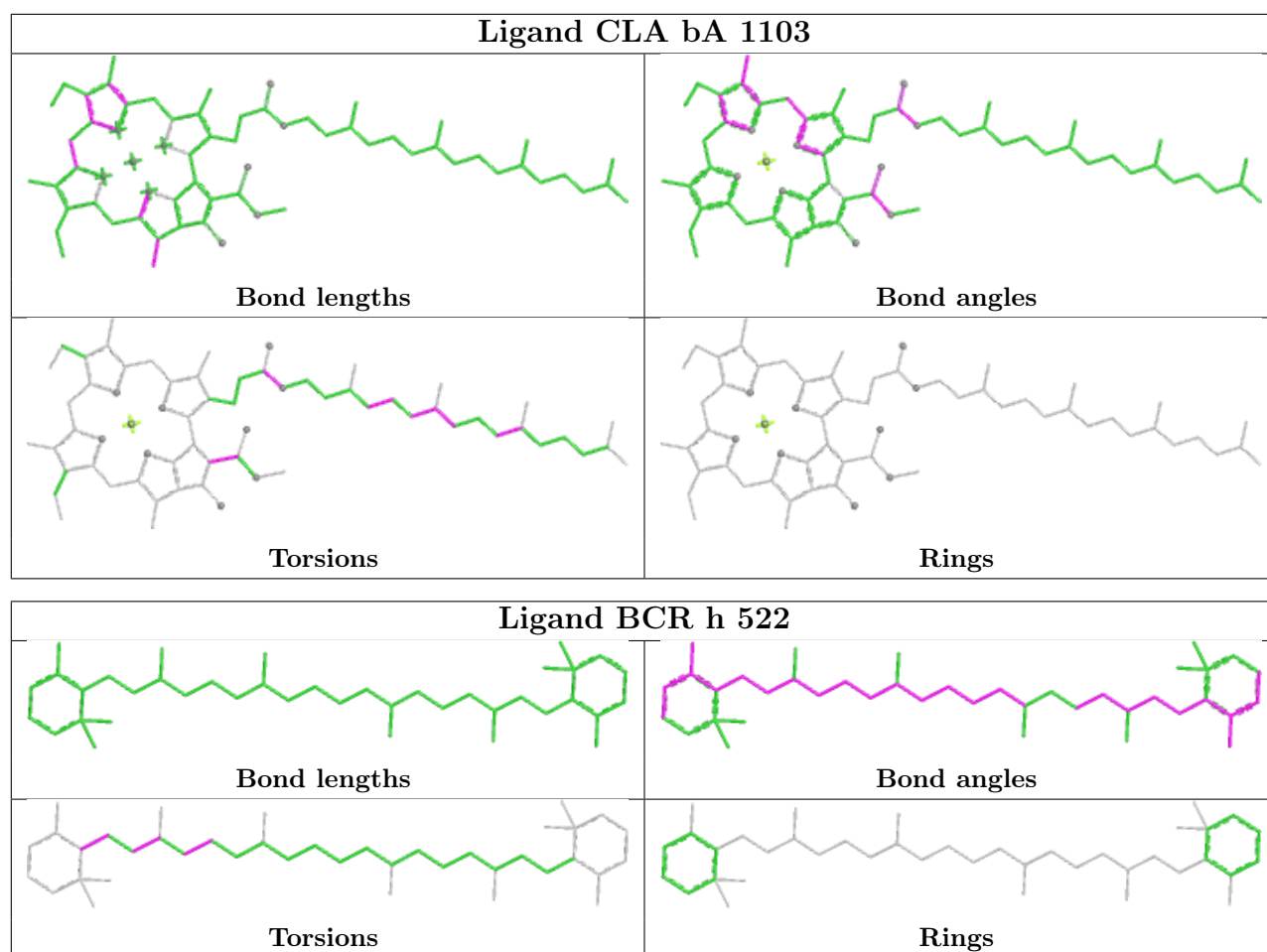


Torsions

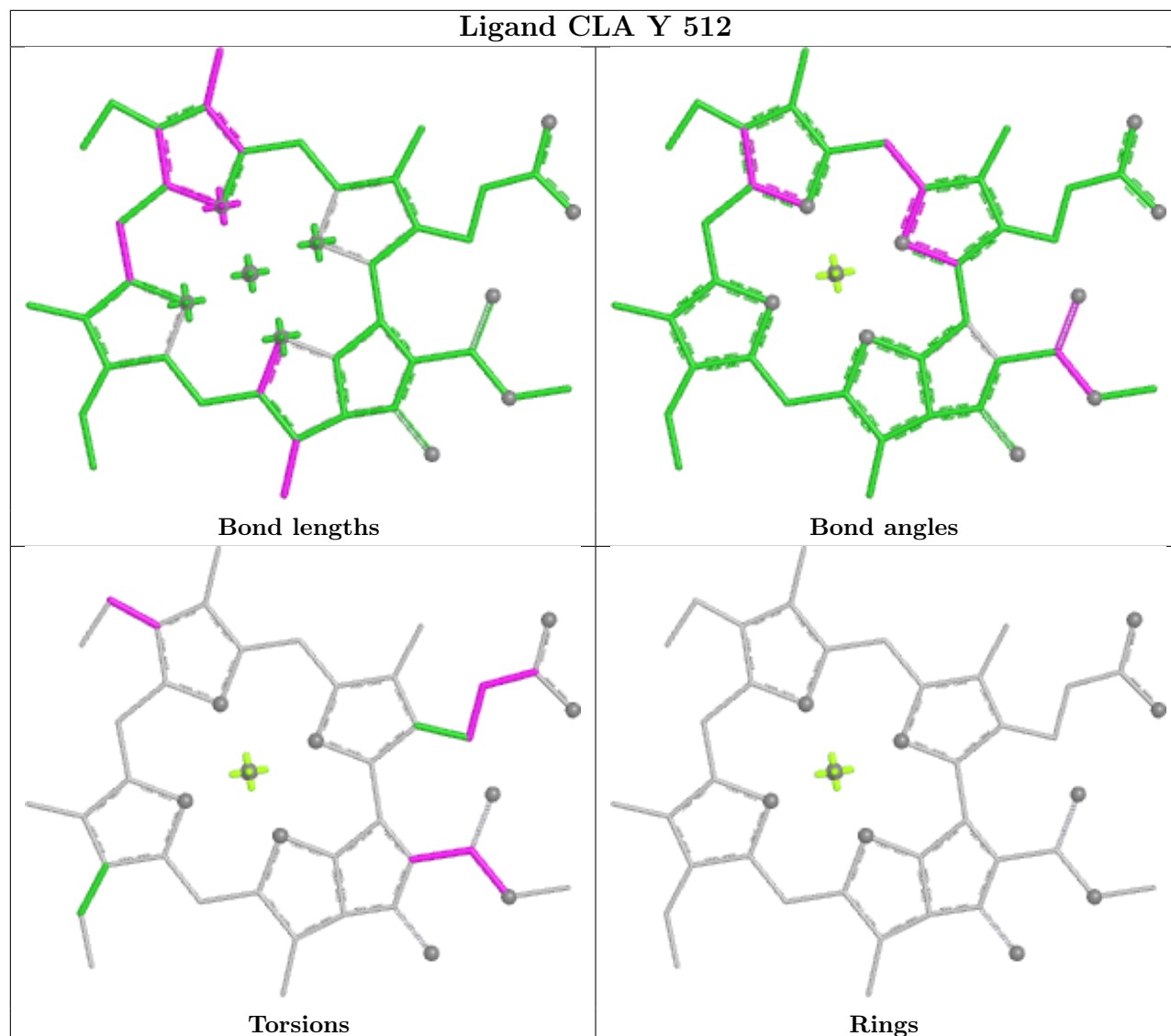


Rings

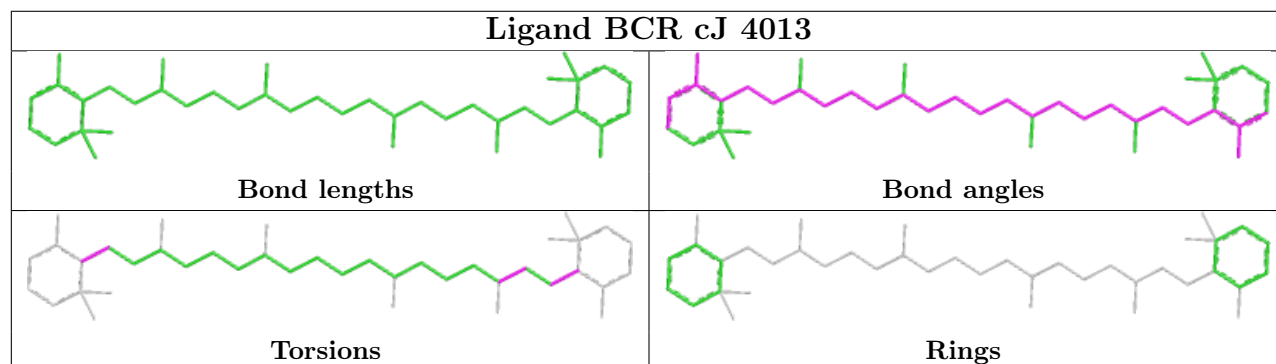




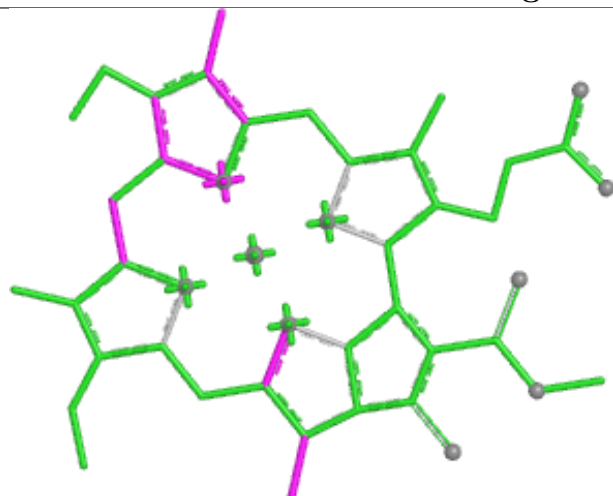
Ligand CLA Y 512



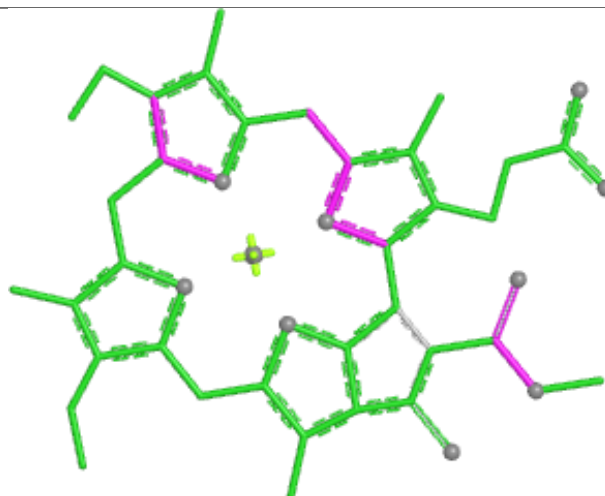
Ligand BCR cJ 4013



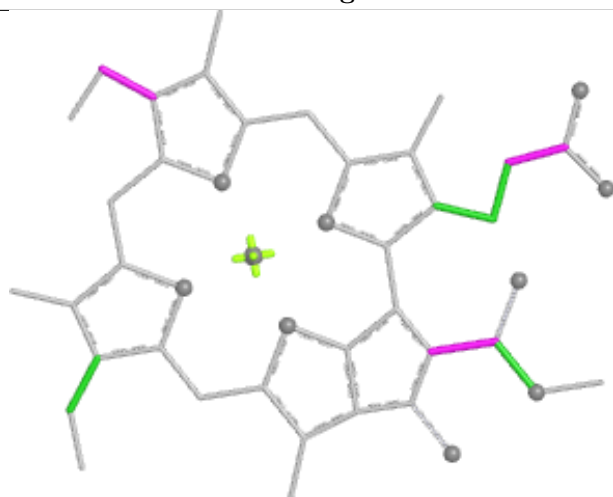
Ligand CLA i 512



Bond lengths



Bond angles

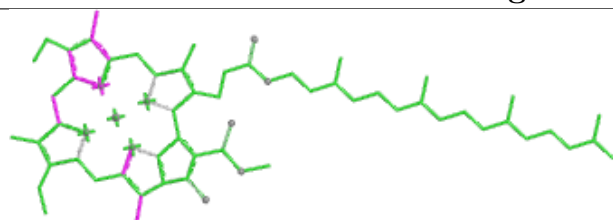


Torsions

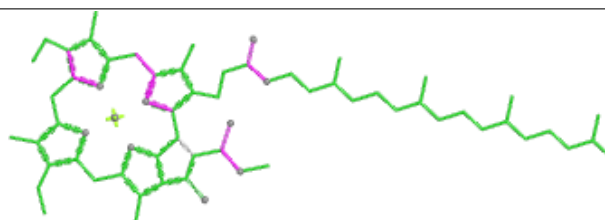


Rings

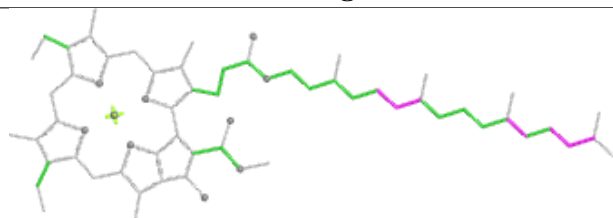
Ligand CLA b2 509



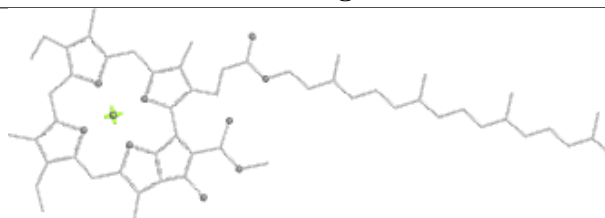
Bond lengths



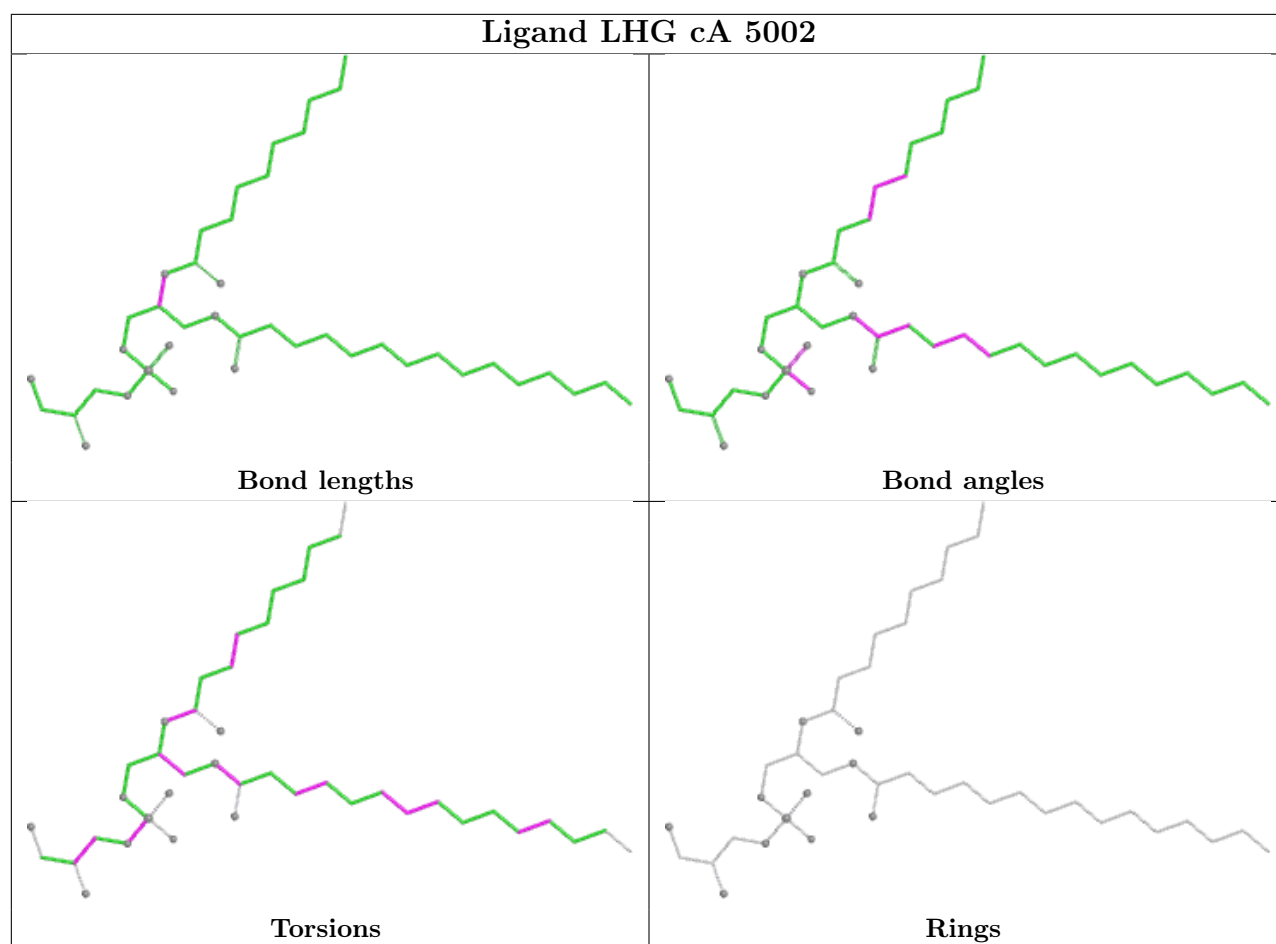
Bond angles



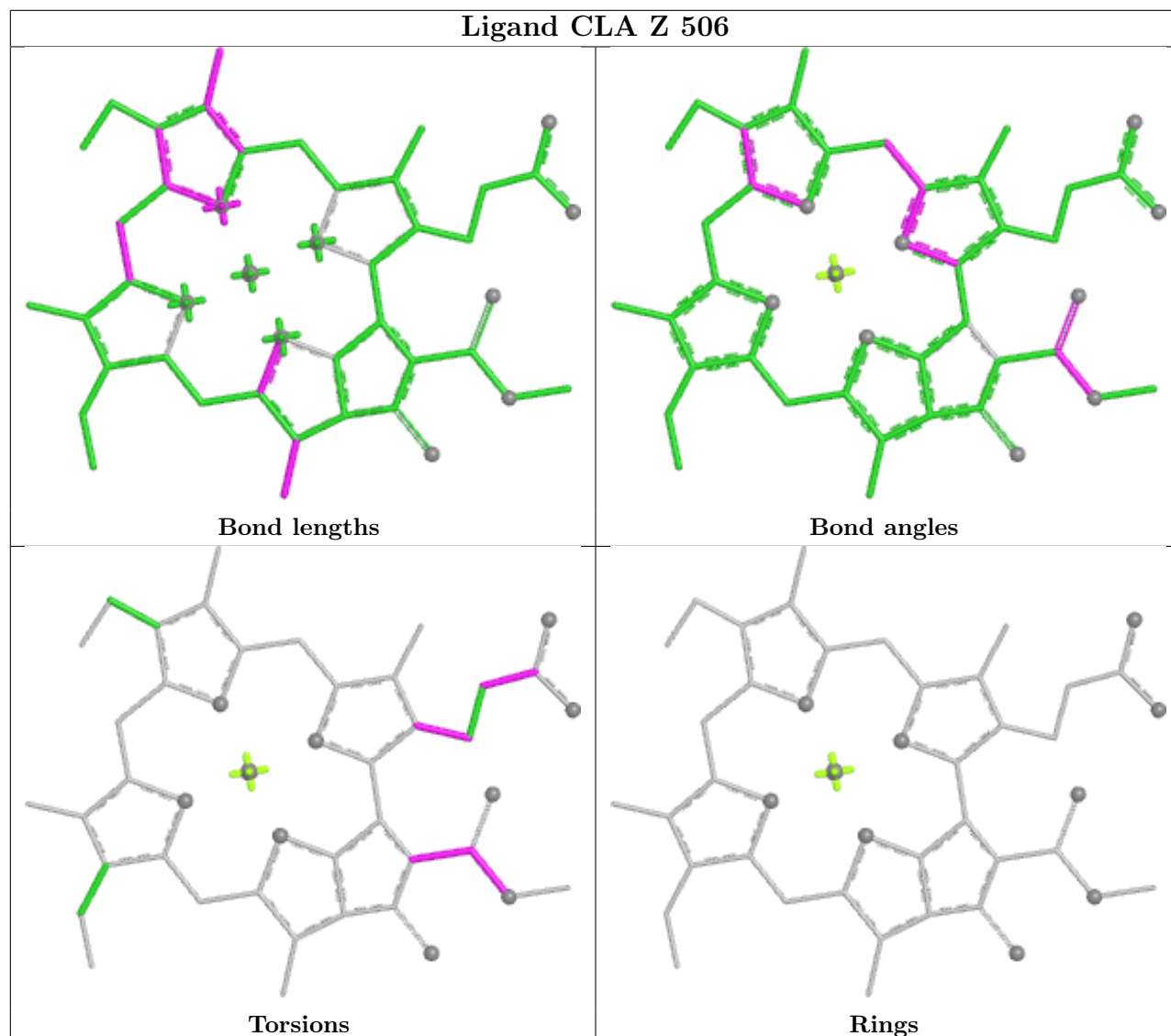
Torsions



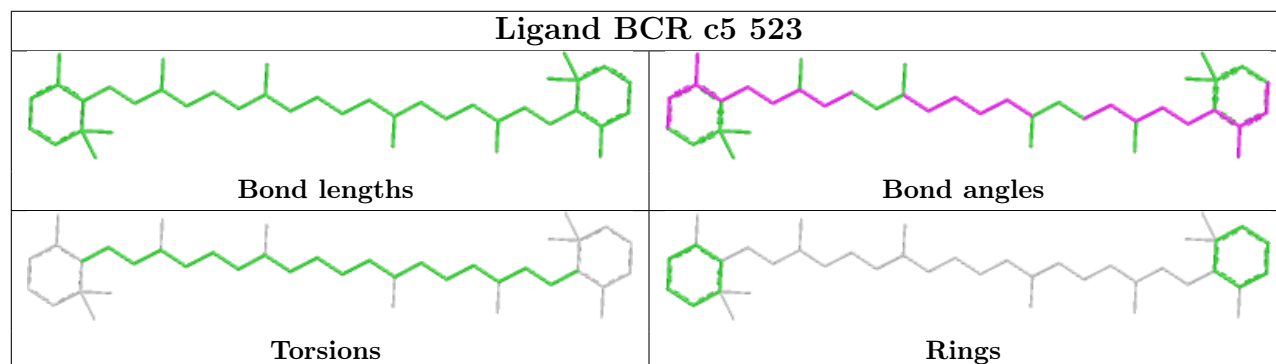
Rings



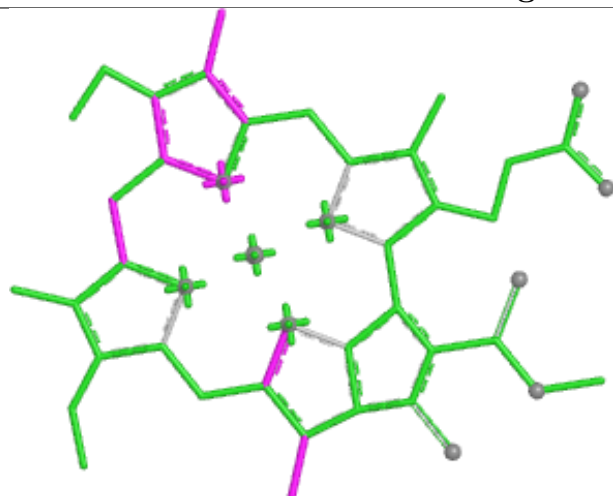
Ligand CLA Z 506



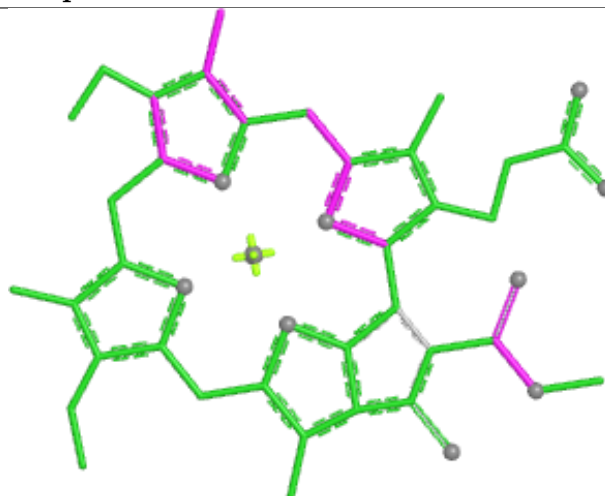
Ligand BCR c5 523



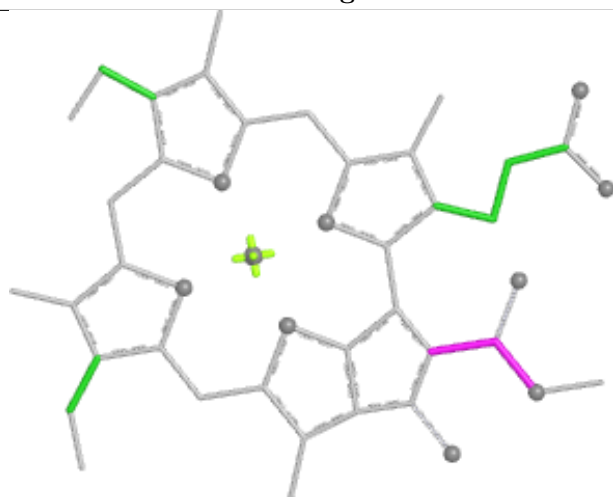
Ligand CLA q 506



Bond lengths



Bond angles

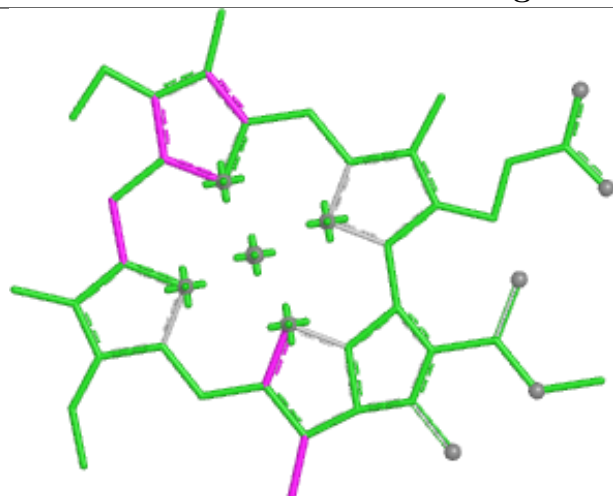


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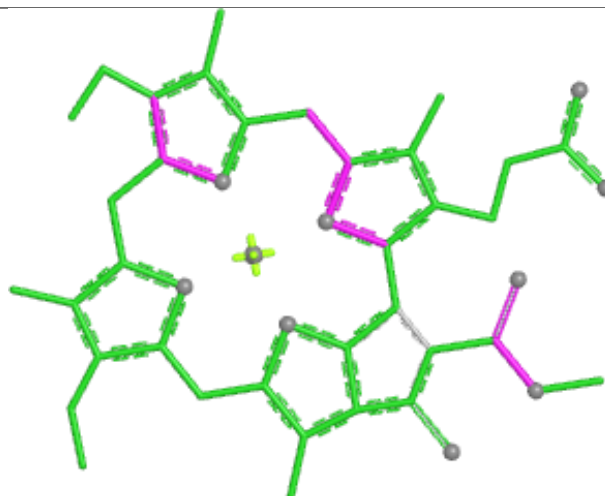


Rings

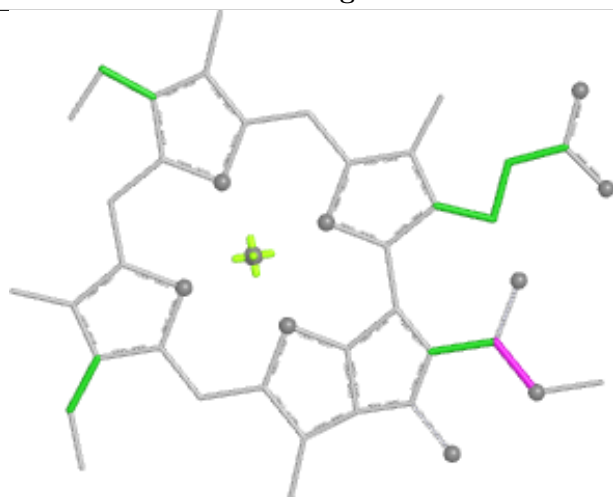
Ligand CLA U 503



Bond lengths



Bond angles

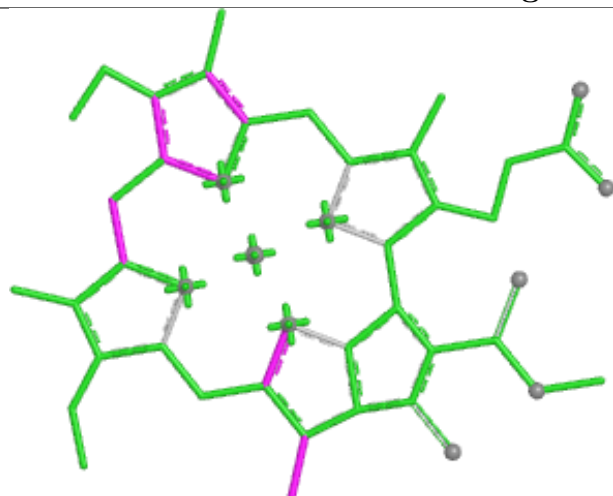


Torsions

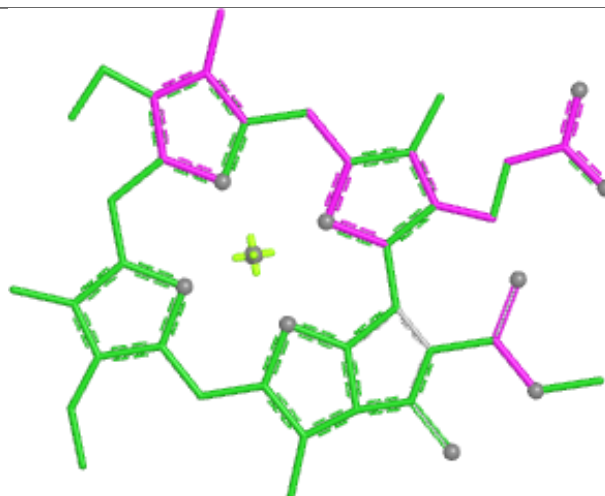


Rings

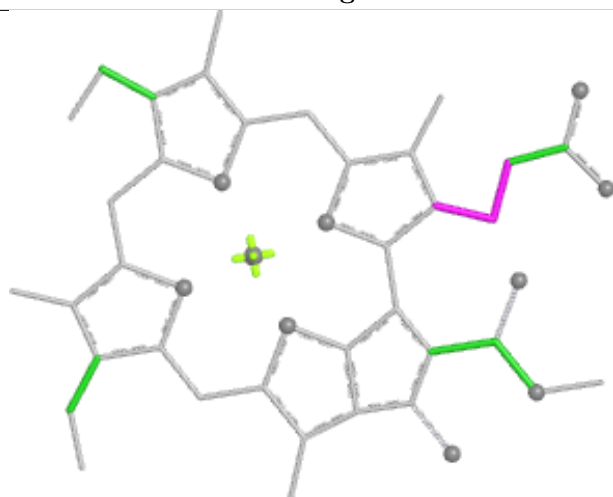
Ligand CLA f 505



Bond lengths



Bond angles

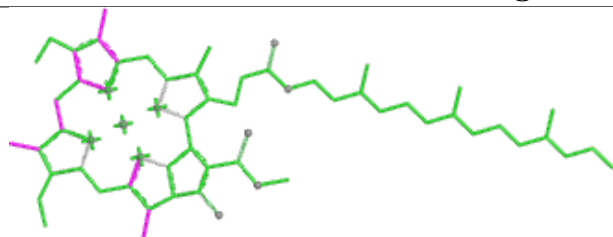


Torsions

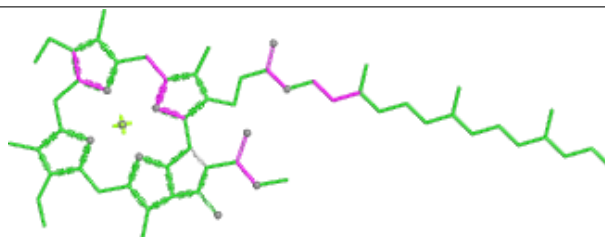


Rings

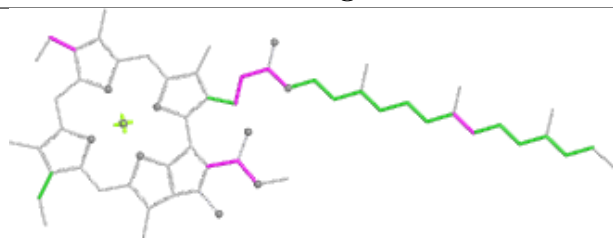
Ligand CLA V 501



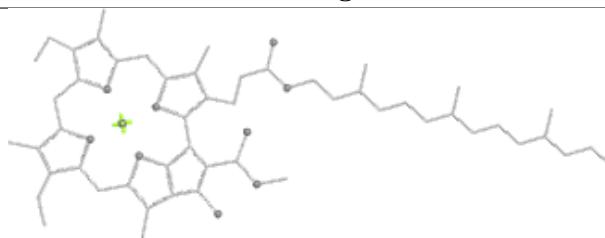
Bond lengths



Bond angles

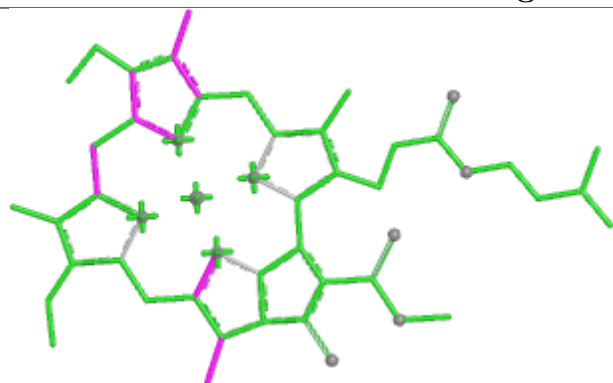


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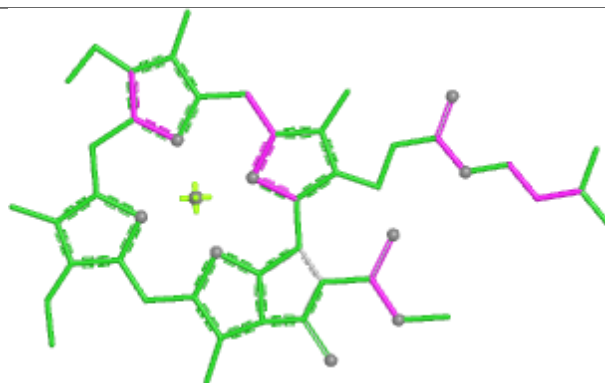


Rings

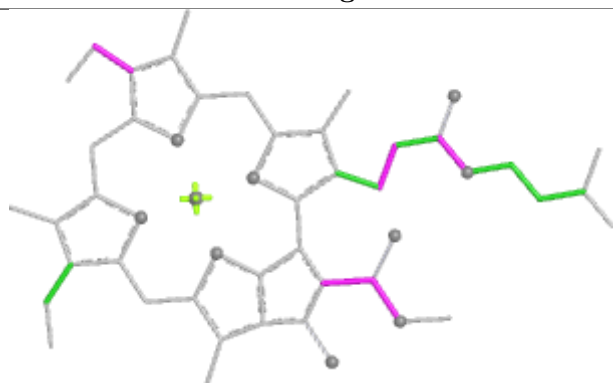
Ligand CLA b 504



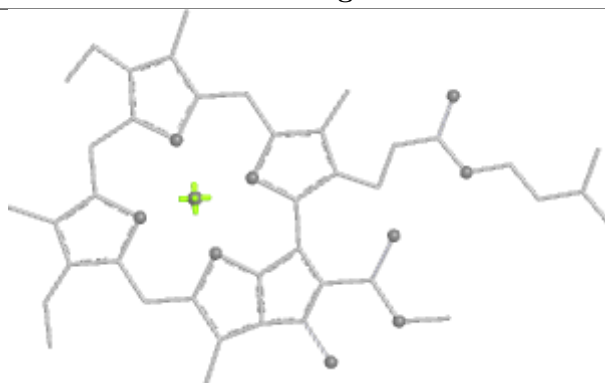
Bond lengths



Bond angles

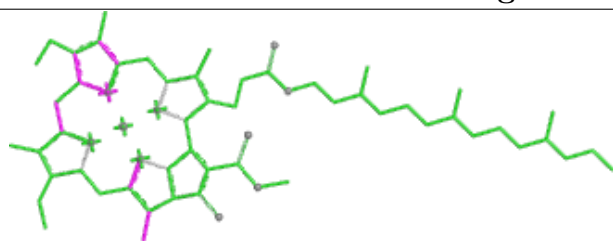


Torsions

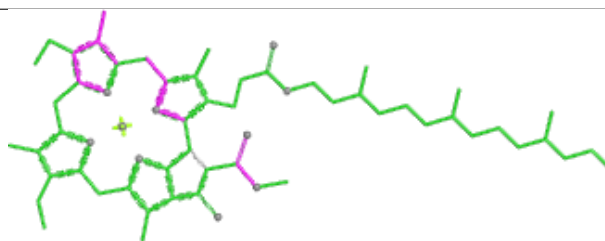


Rings

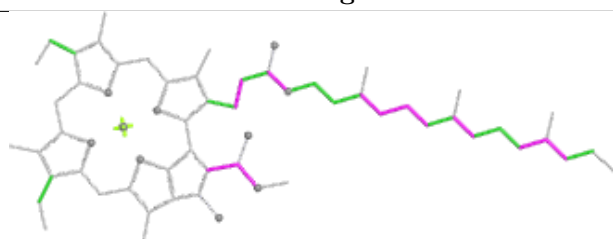
Ligand CLA cB 1012



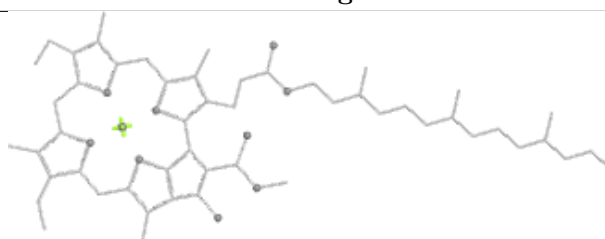
Bond lengths



Bond angles

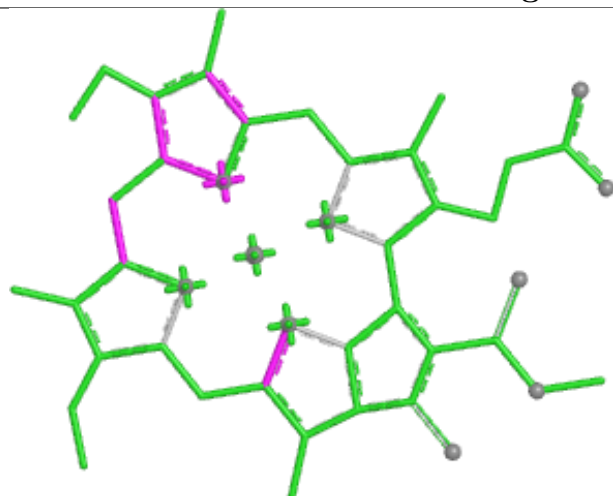


Torsions

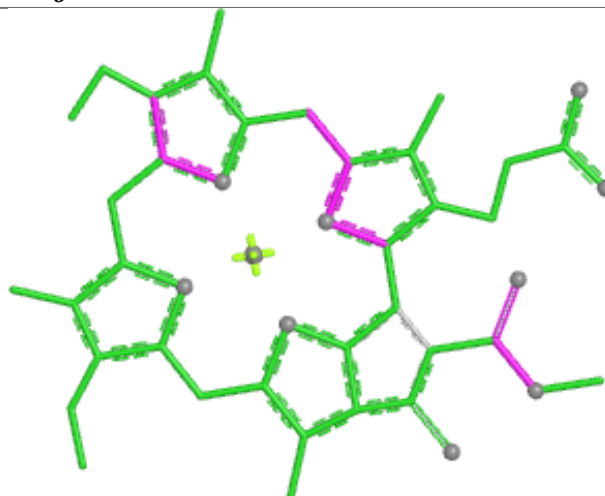


Rings

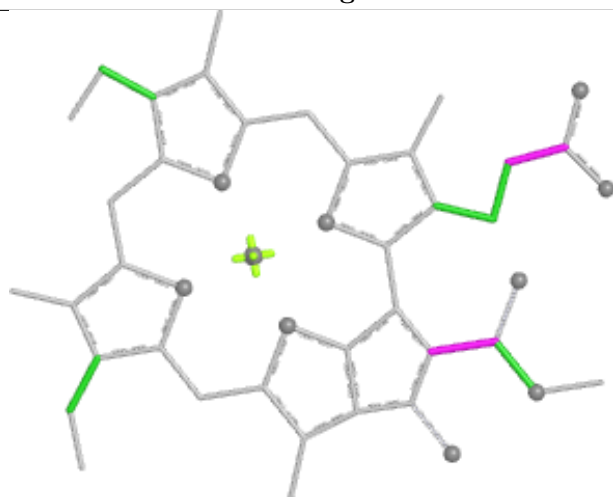
Ligand CLA j 507



Bond lengths



Bond angles

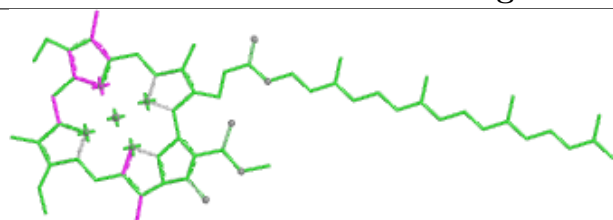


Torsions

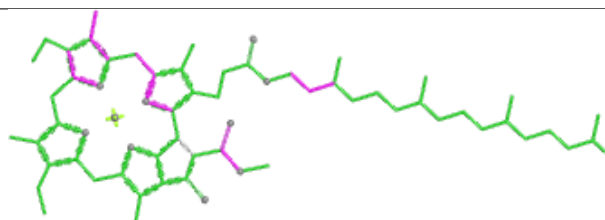


Rings

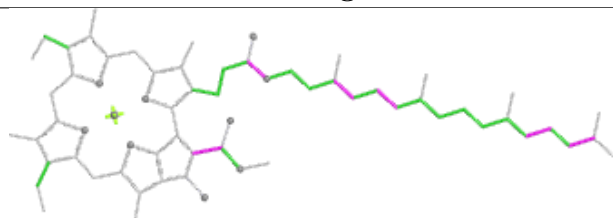
Ligand CLA aB 1226



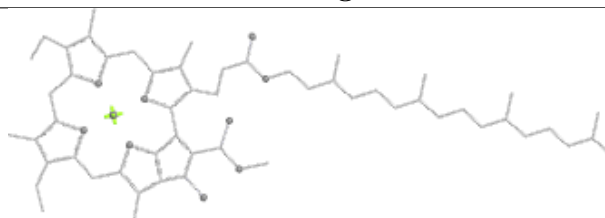
Bond lengths



Bond angles

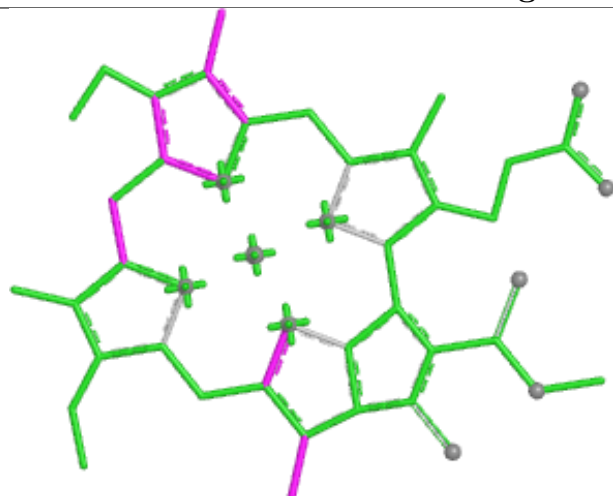


Torsions

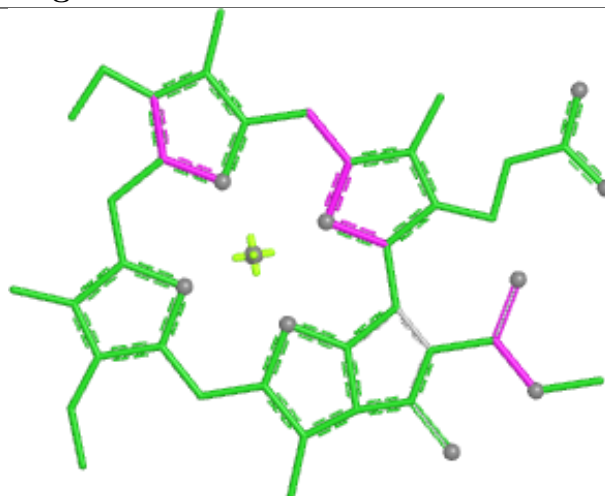


Rings

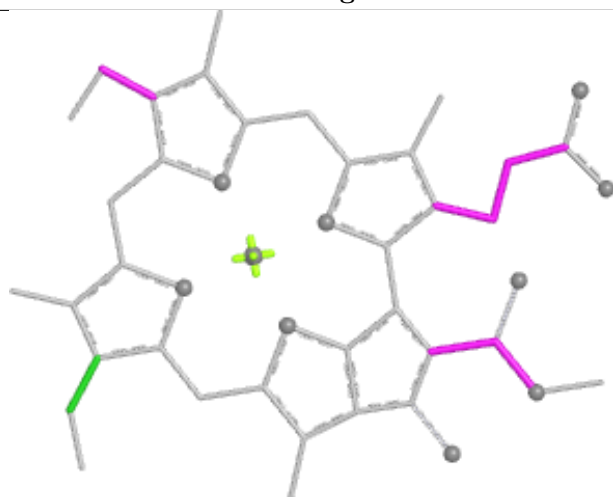
Ligand CLA g 517



Bond lengths



Bond angles

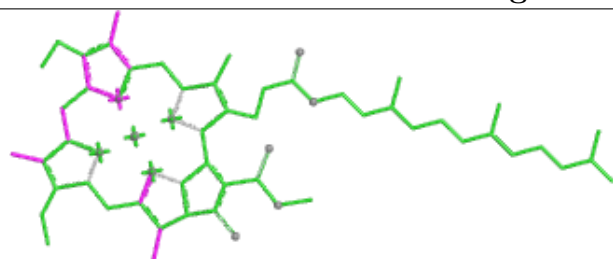


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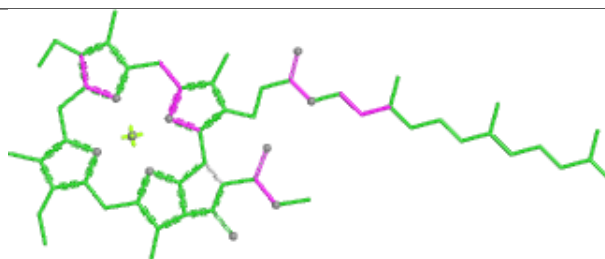


Rings

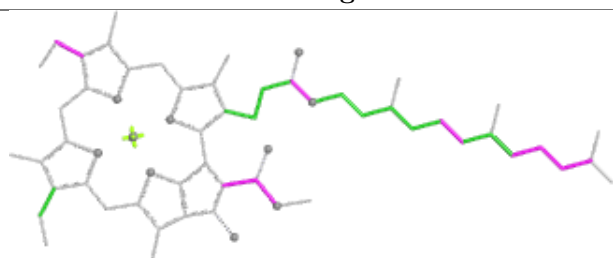
Ligand CLA a5 502



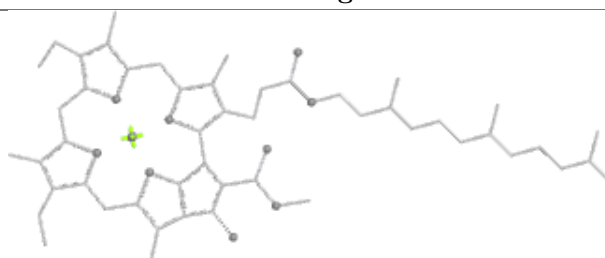
Bond lengths



Bond angles

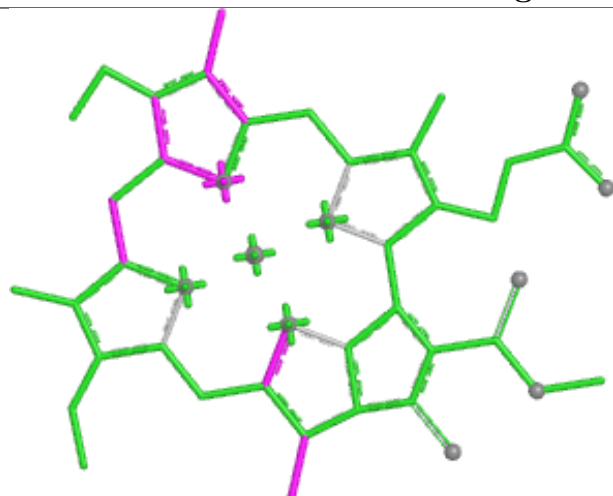


Torsions

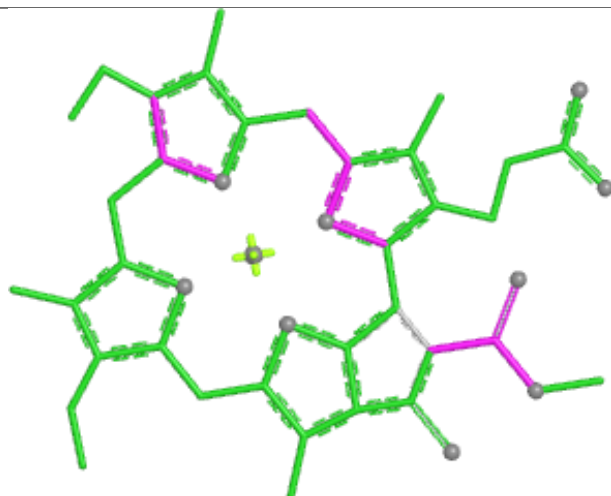


Rings

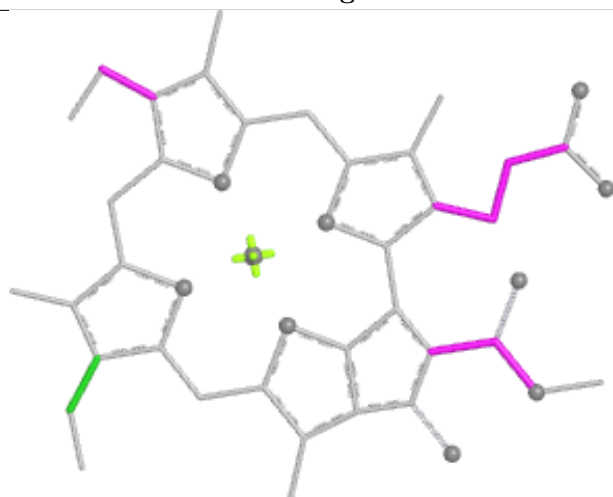
Ligand CLA T 517



Bond lengths



Bond angles

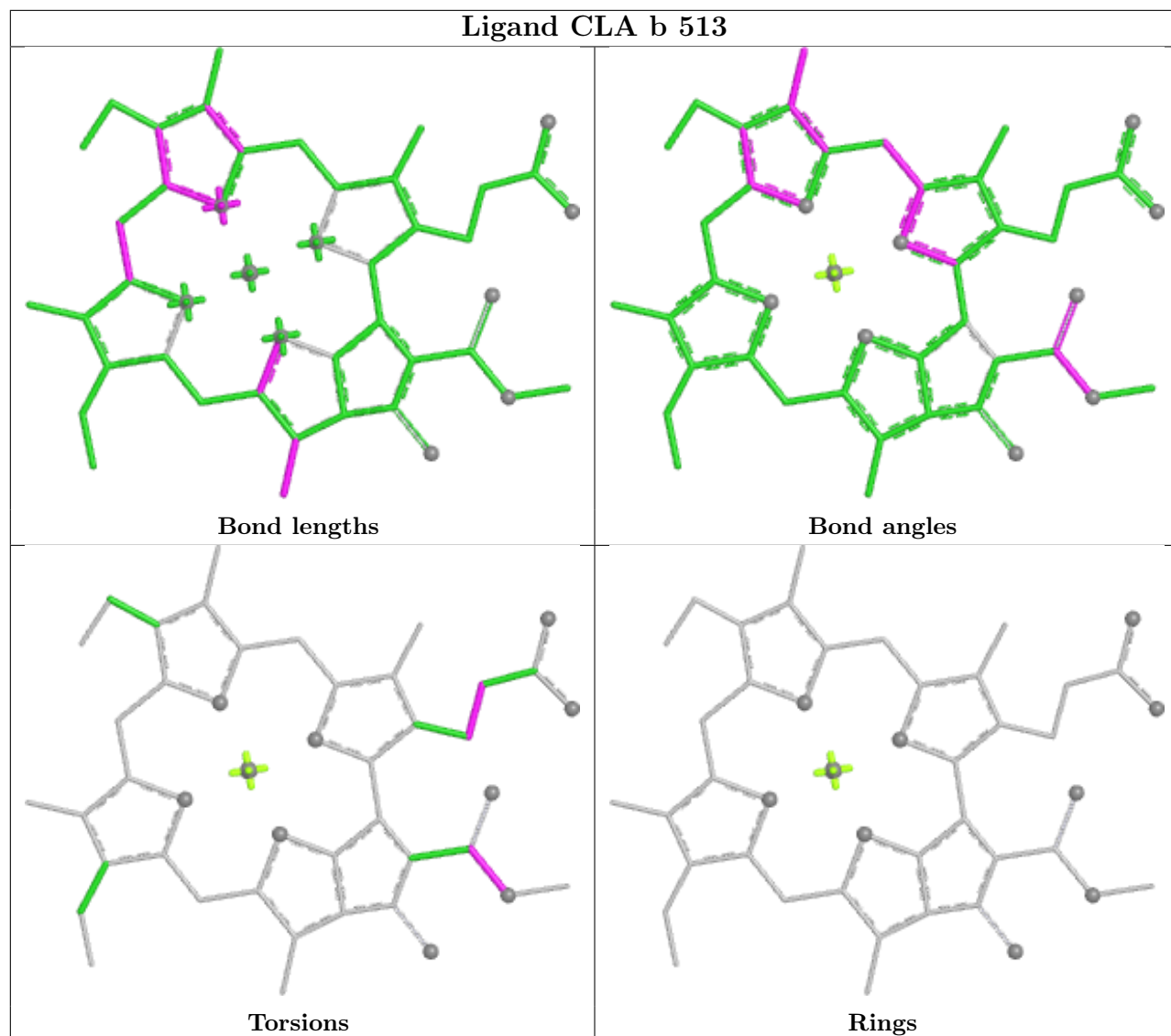


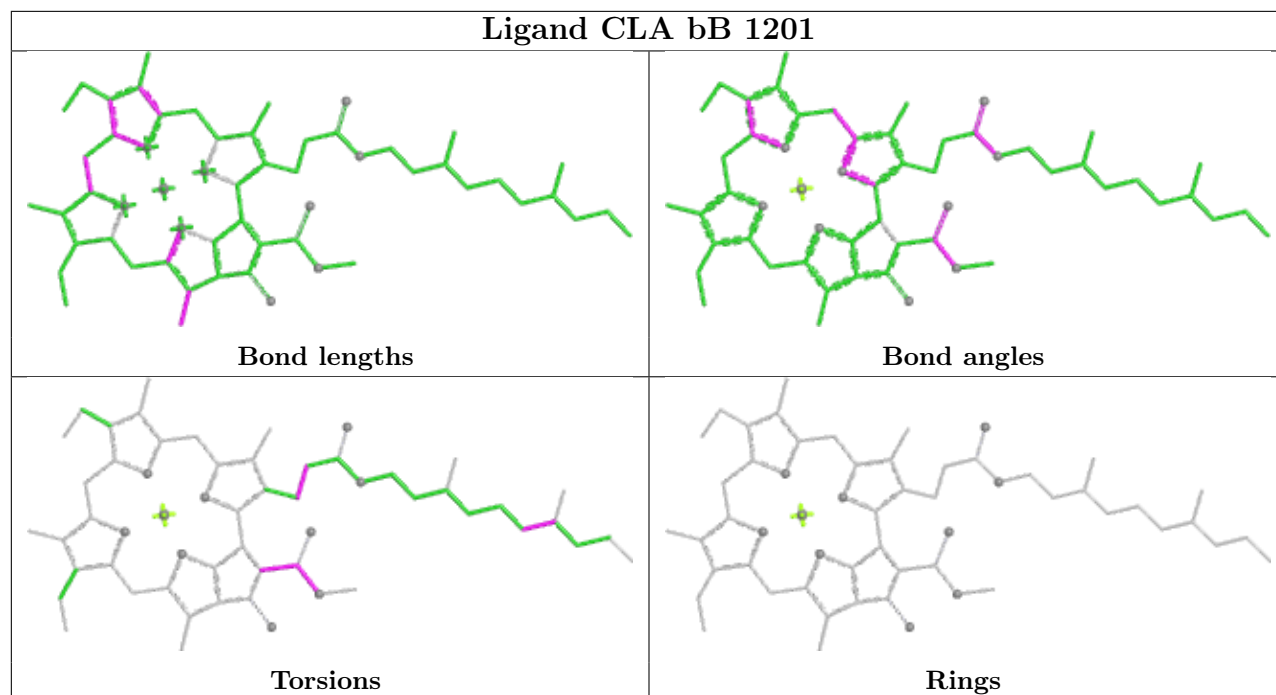
Torsions

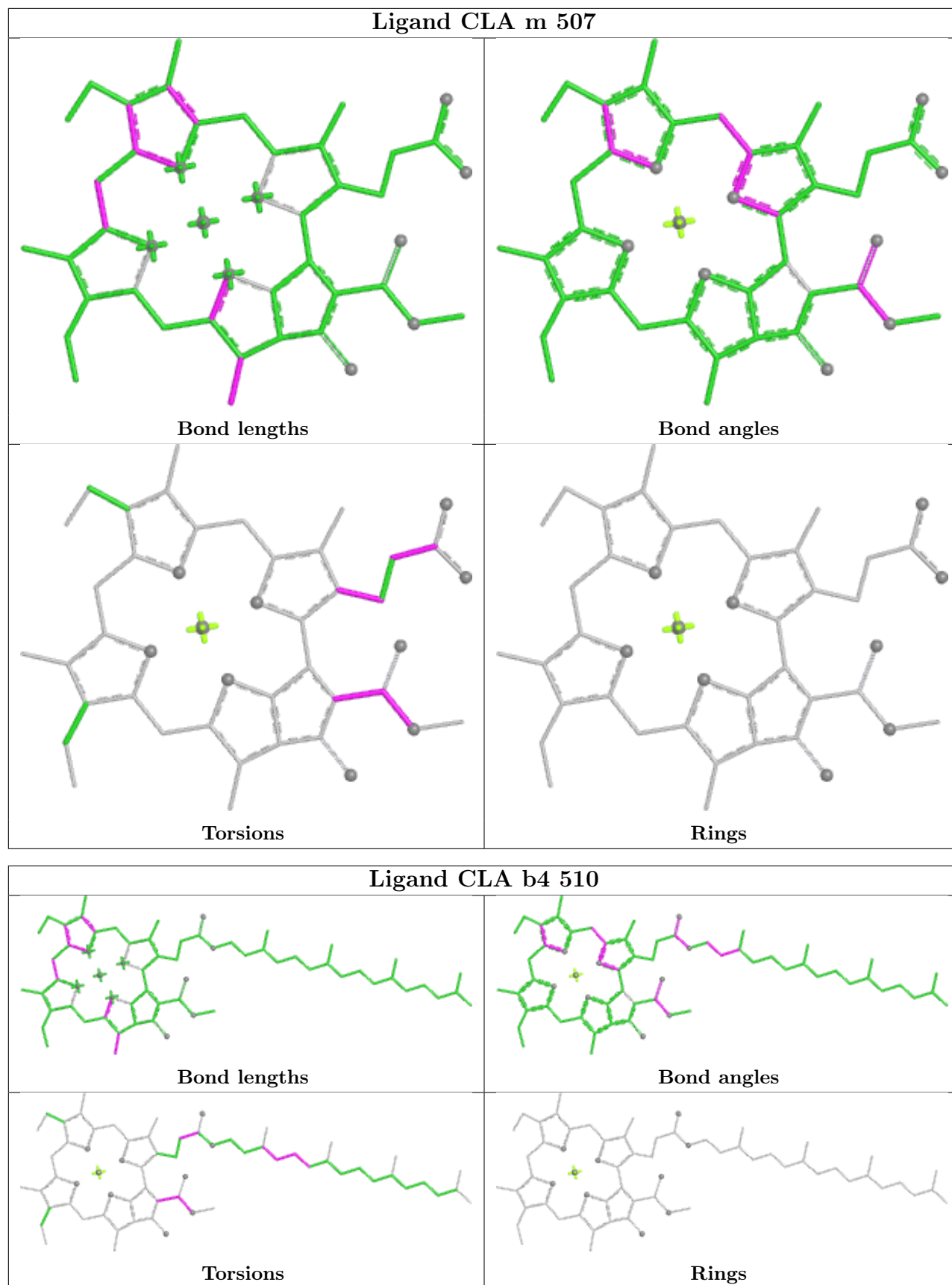


Rings

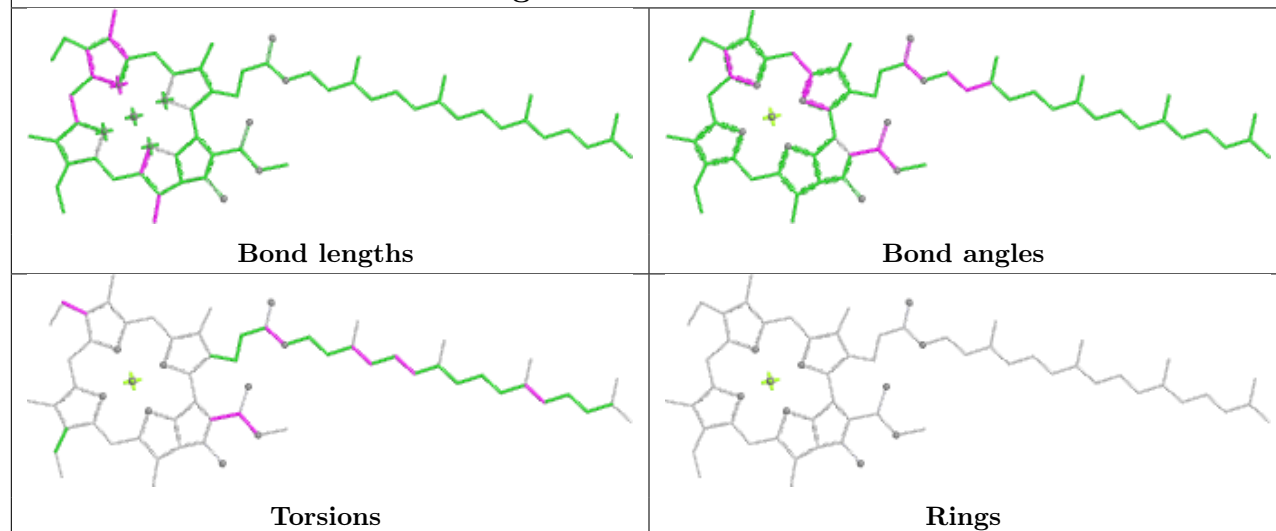
Ligand CLA b 513



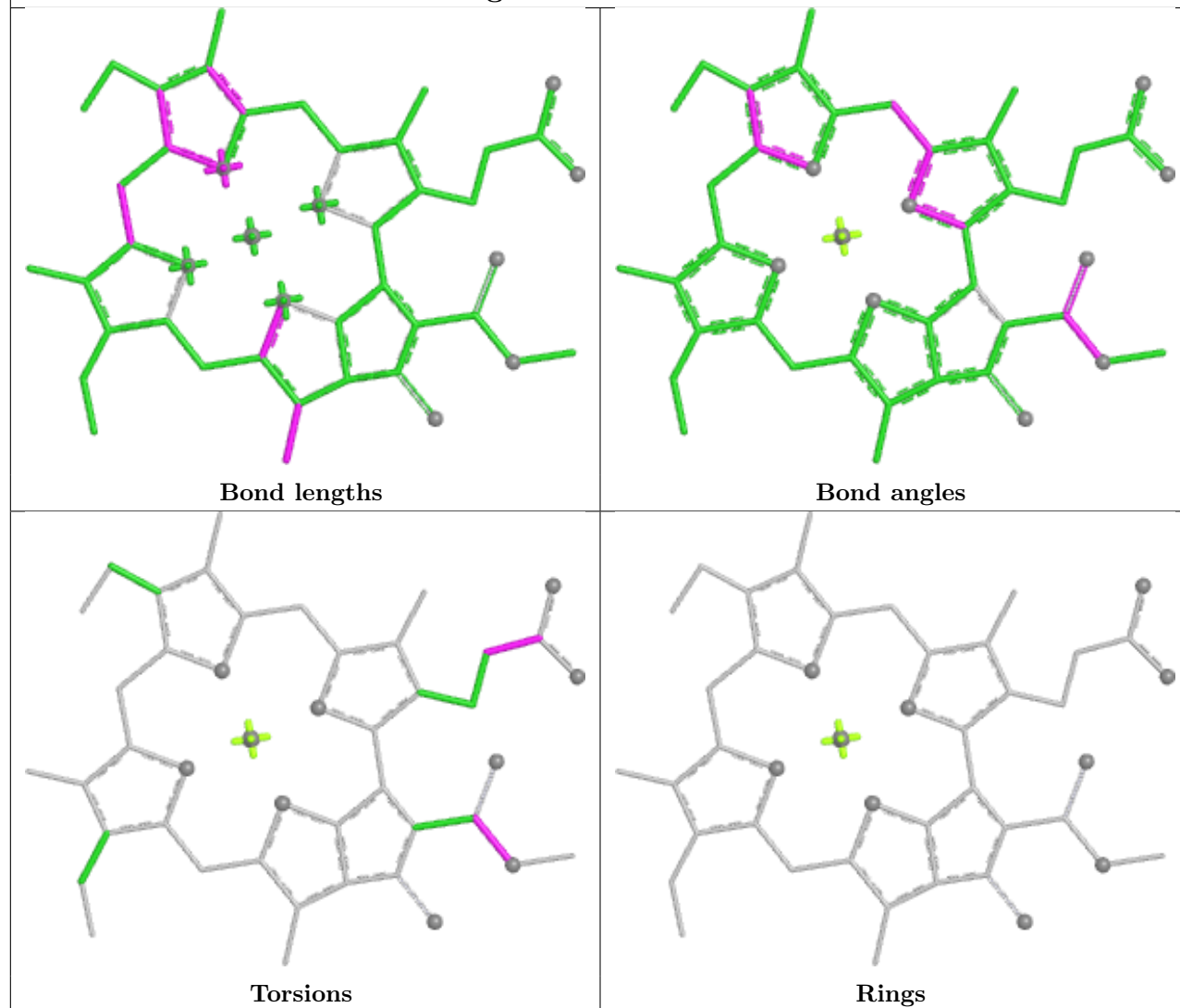




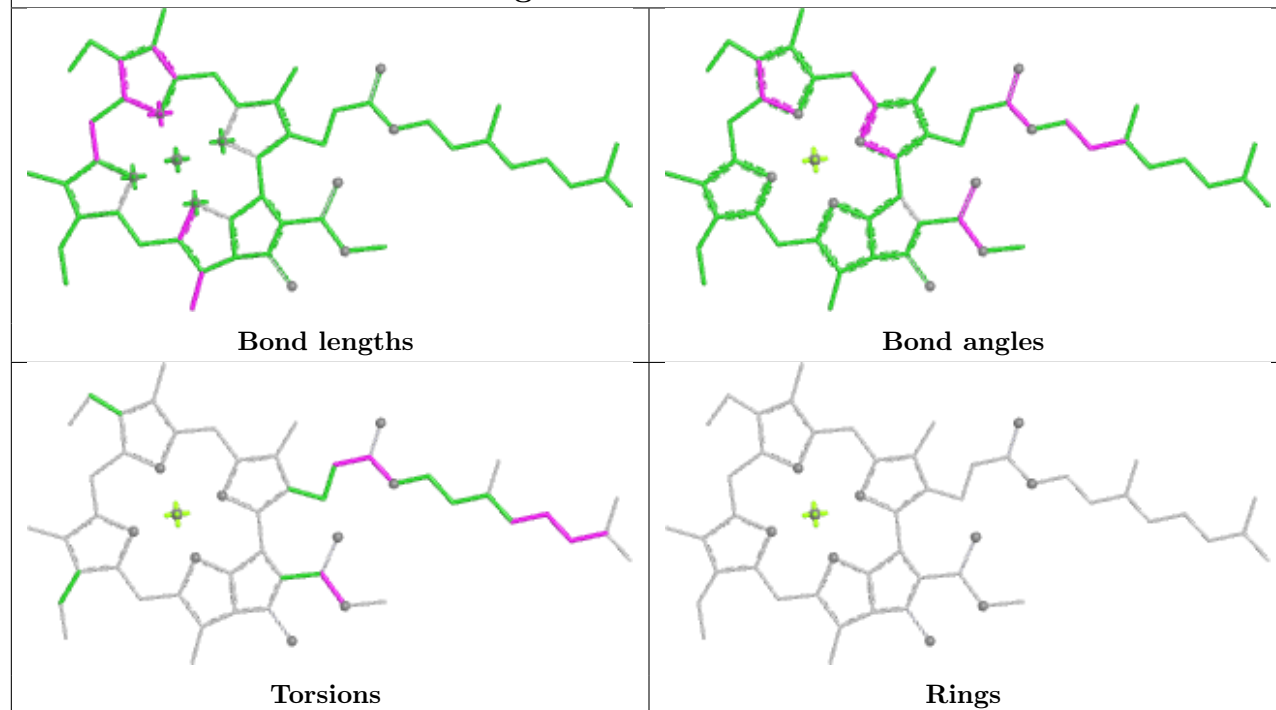
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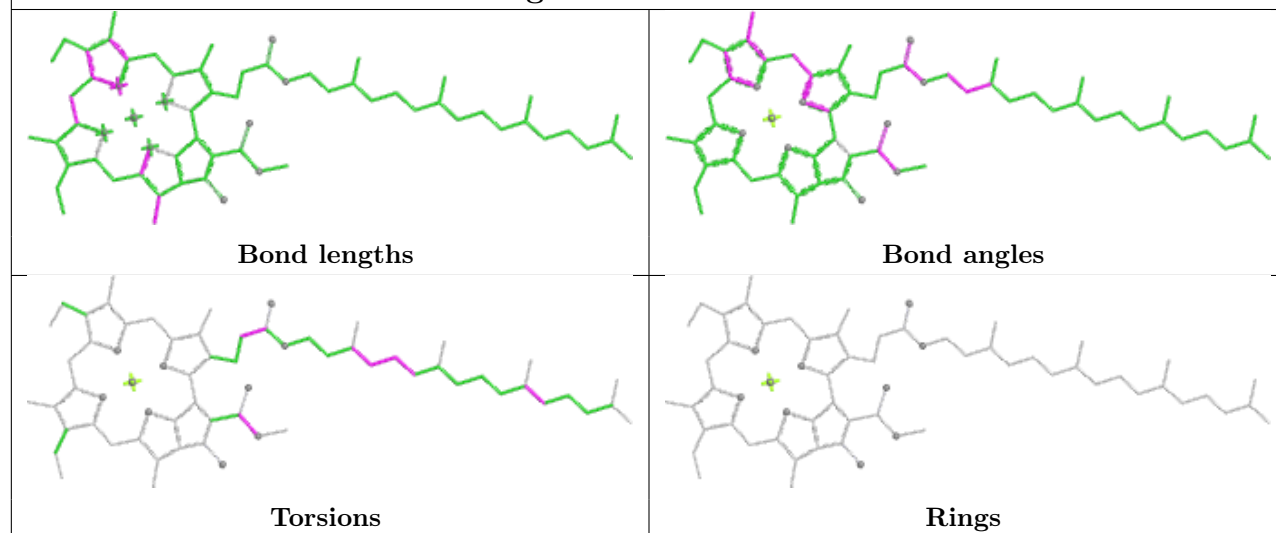
Ligand CLA b5 517

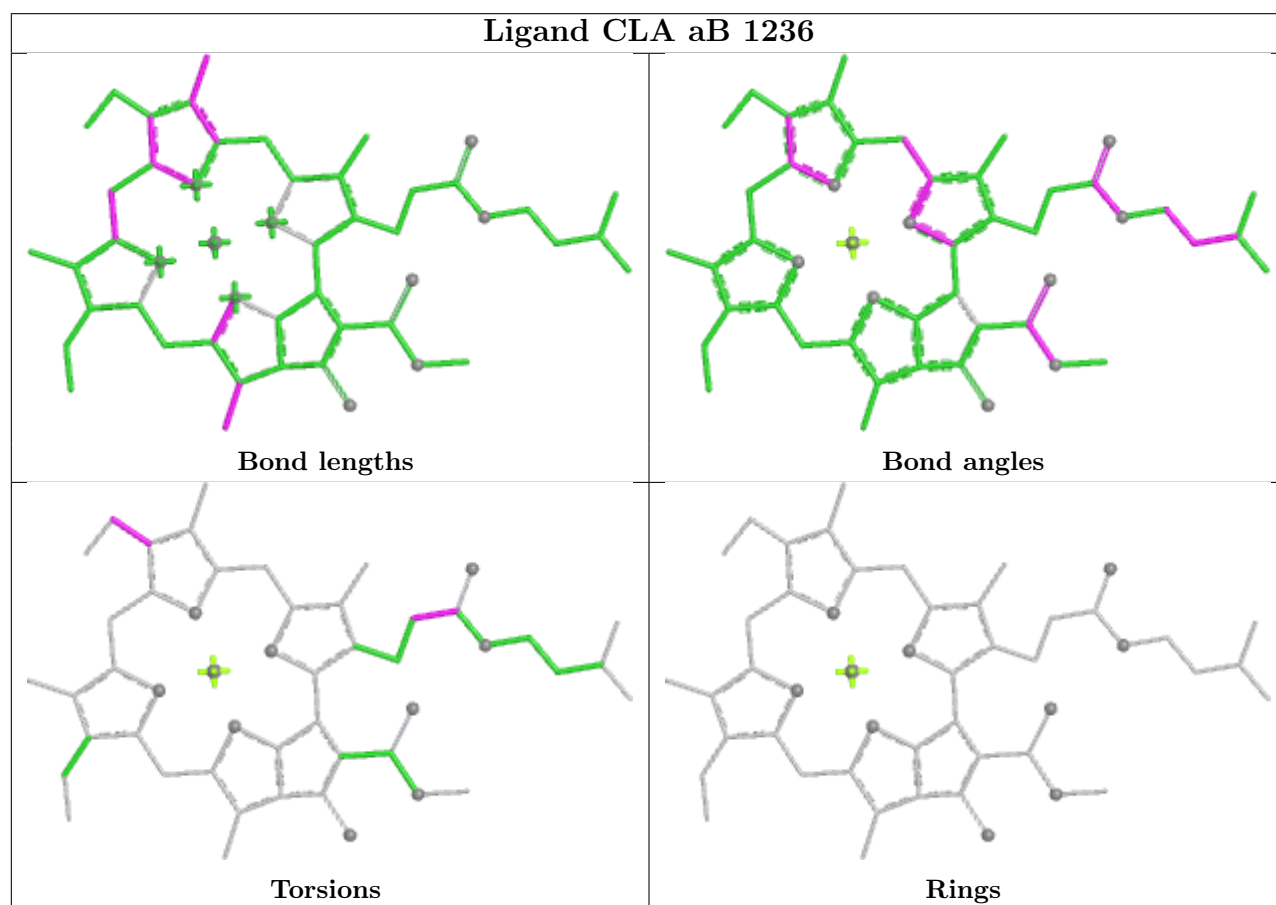
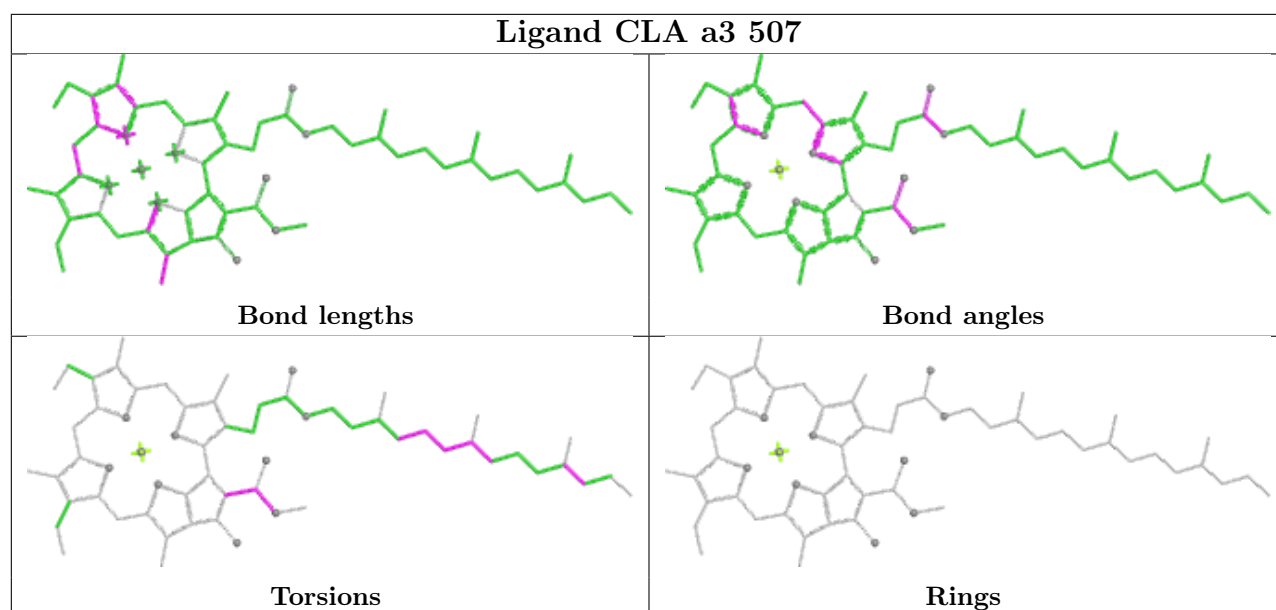


Ligand CLA cA 1107

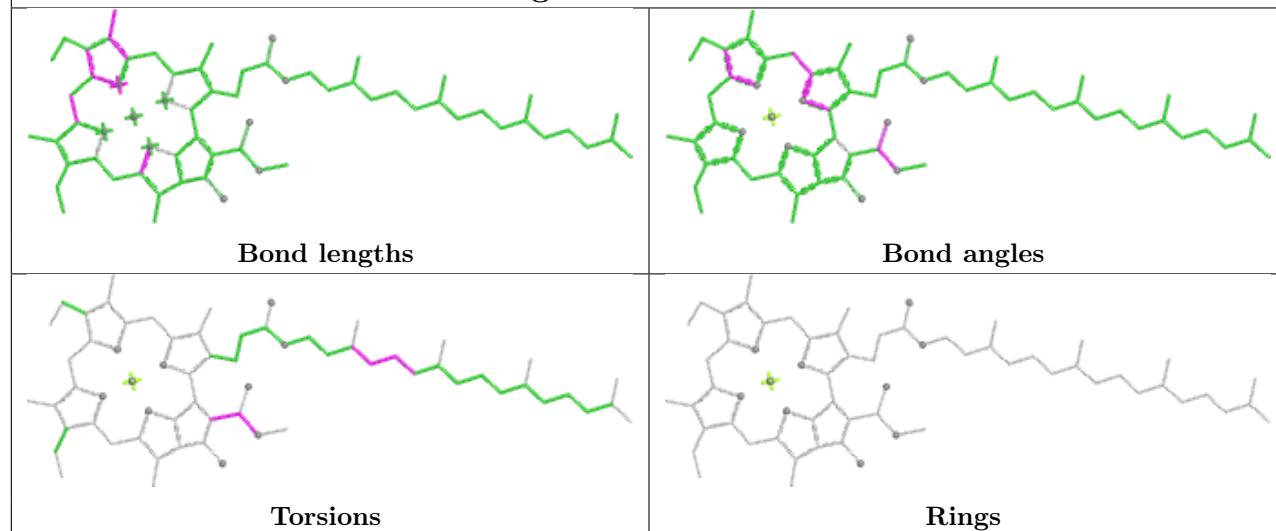


Ligand CLA b6 510

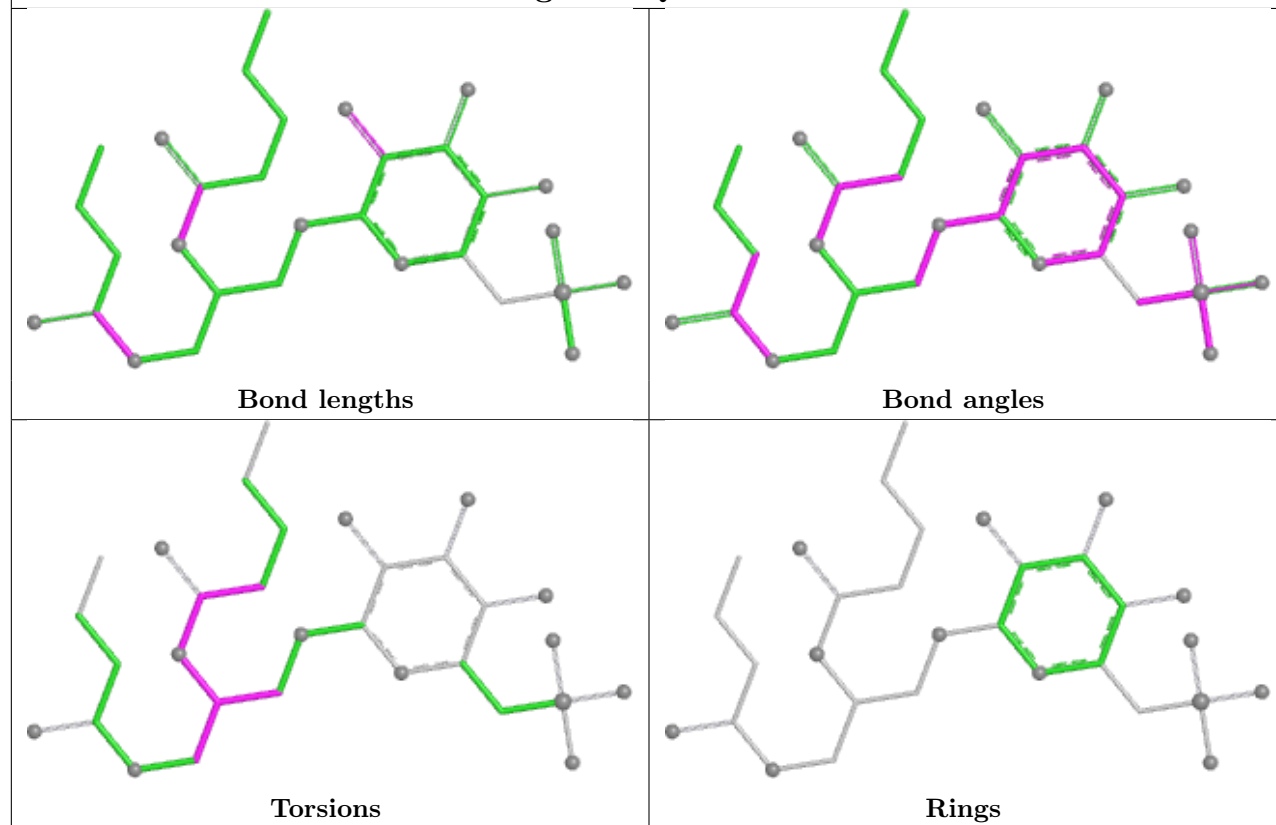




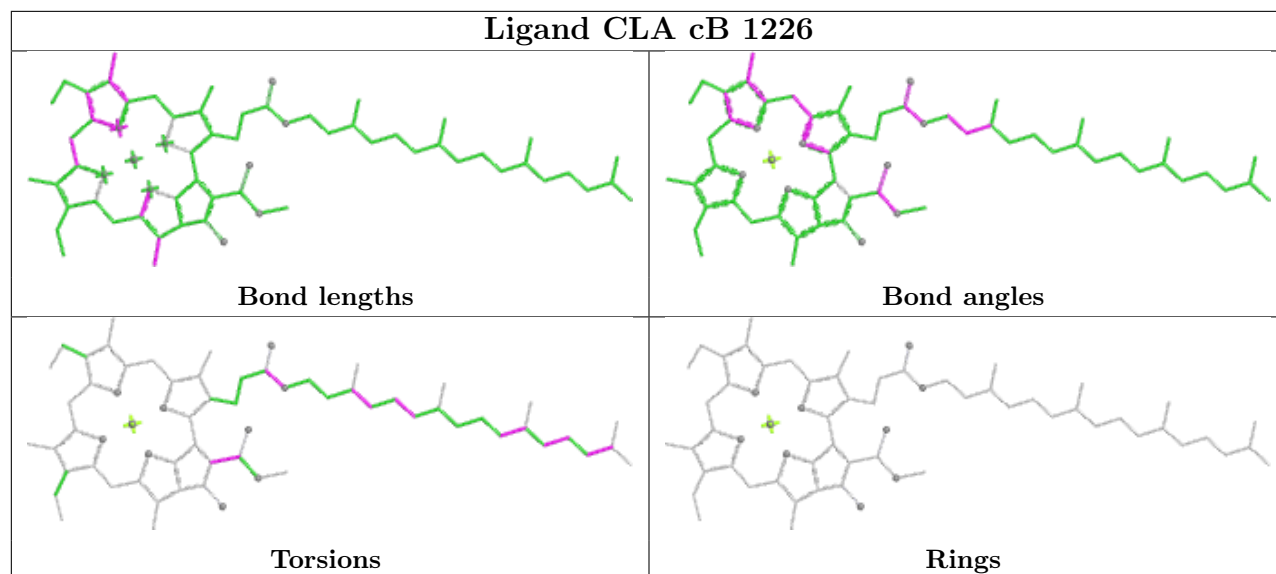
Ligand CLA Y 510



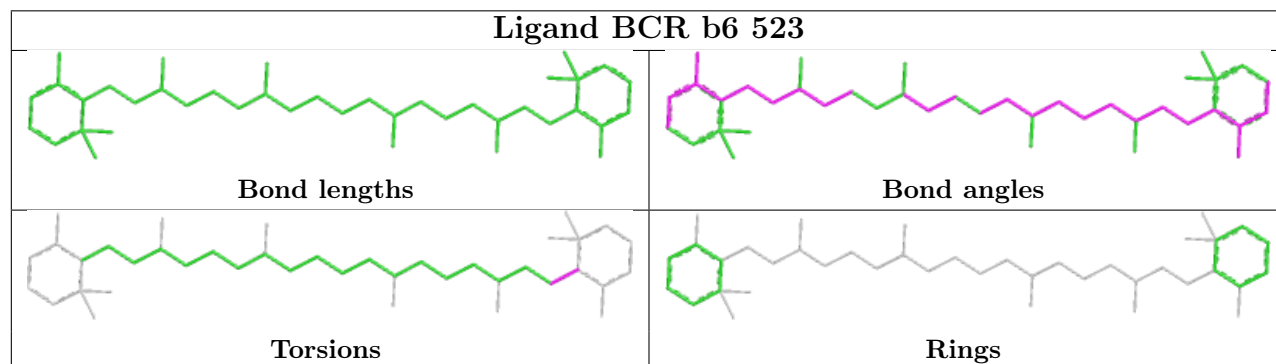
Ligand SQD S 822



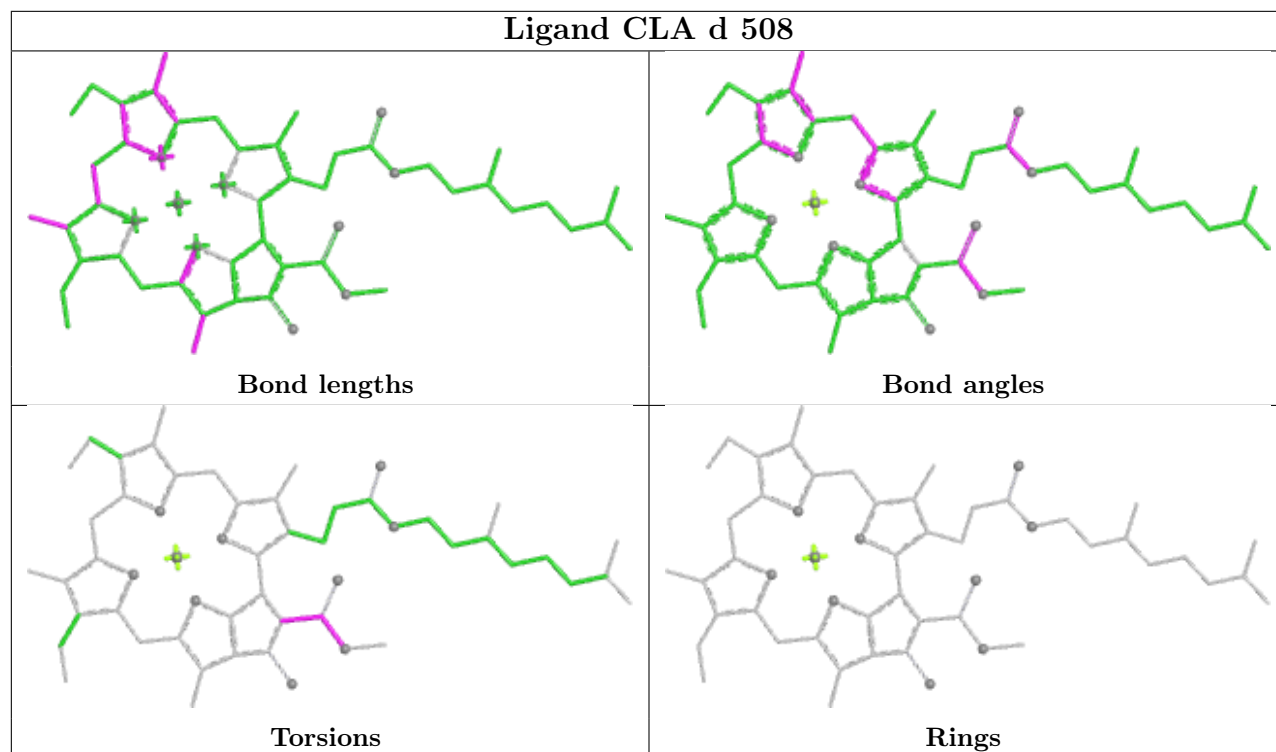
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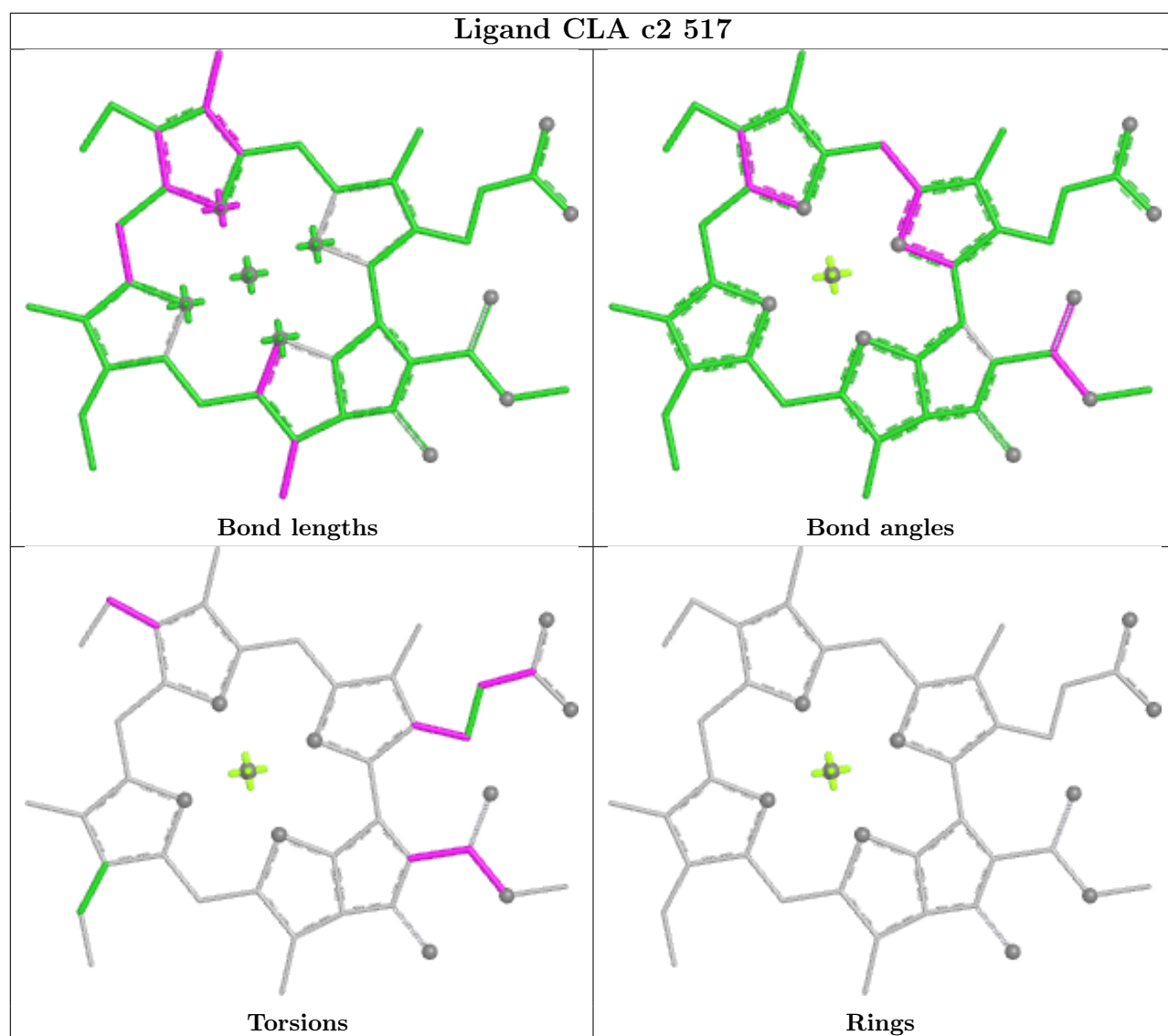


Ligand BCR b6 523

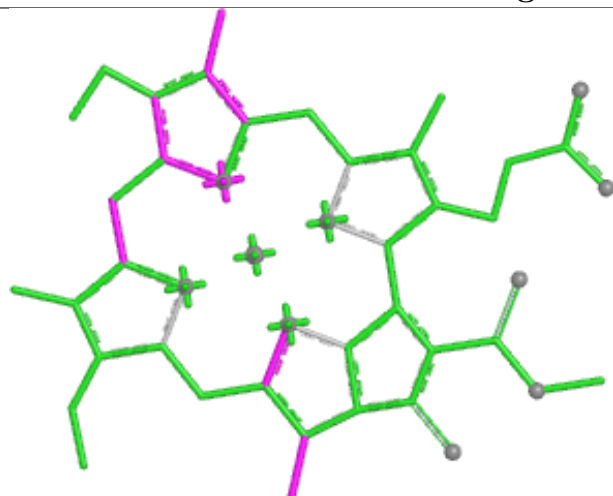


Ligand CLA d 508

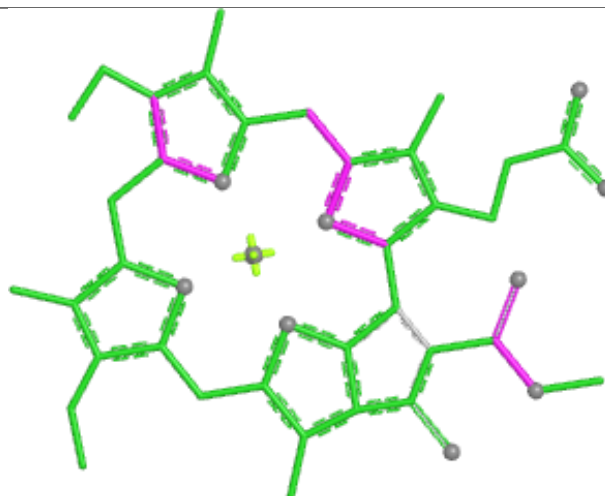




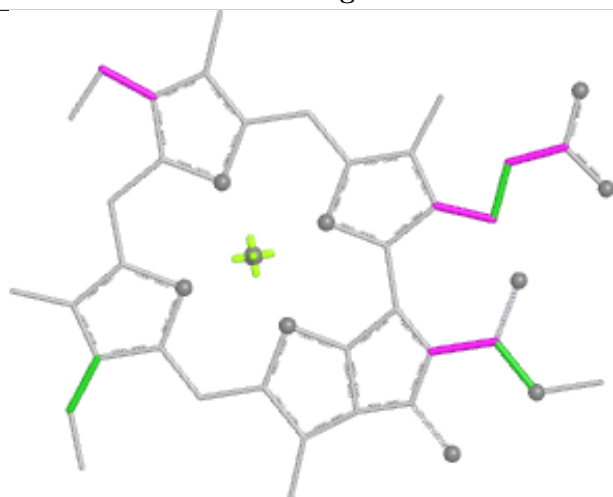
Ligand CLA h 512



Bond lengths



Bond angles

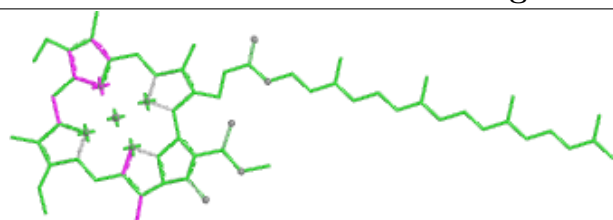


Torsions

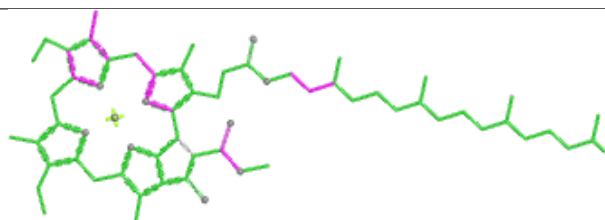


Rings

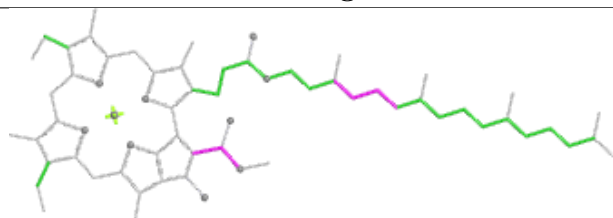
Ligand CLA a5 510



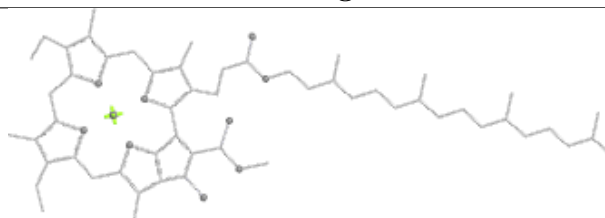
Bond lengths



Bond angles

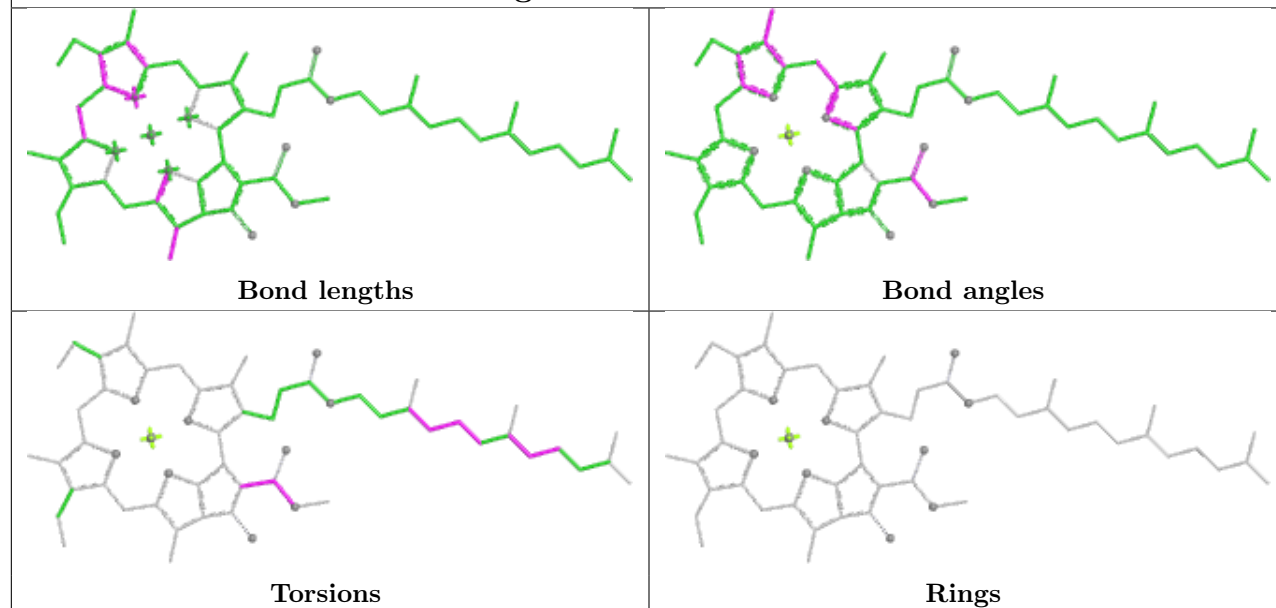


Torsions

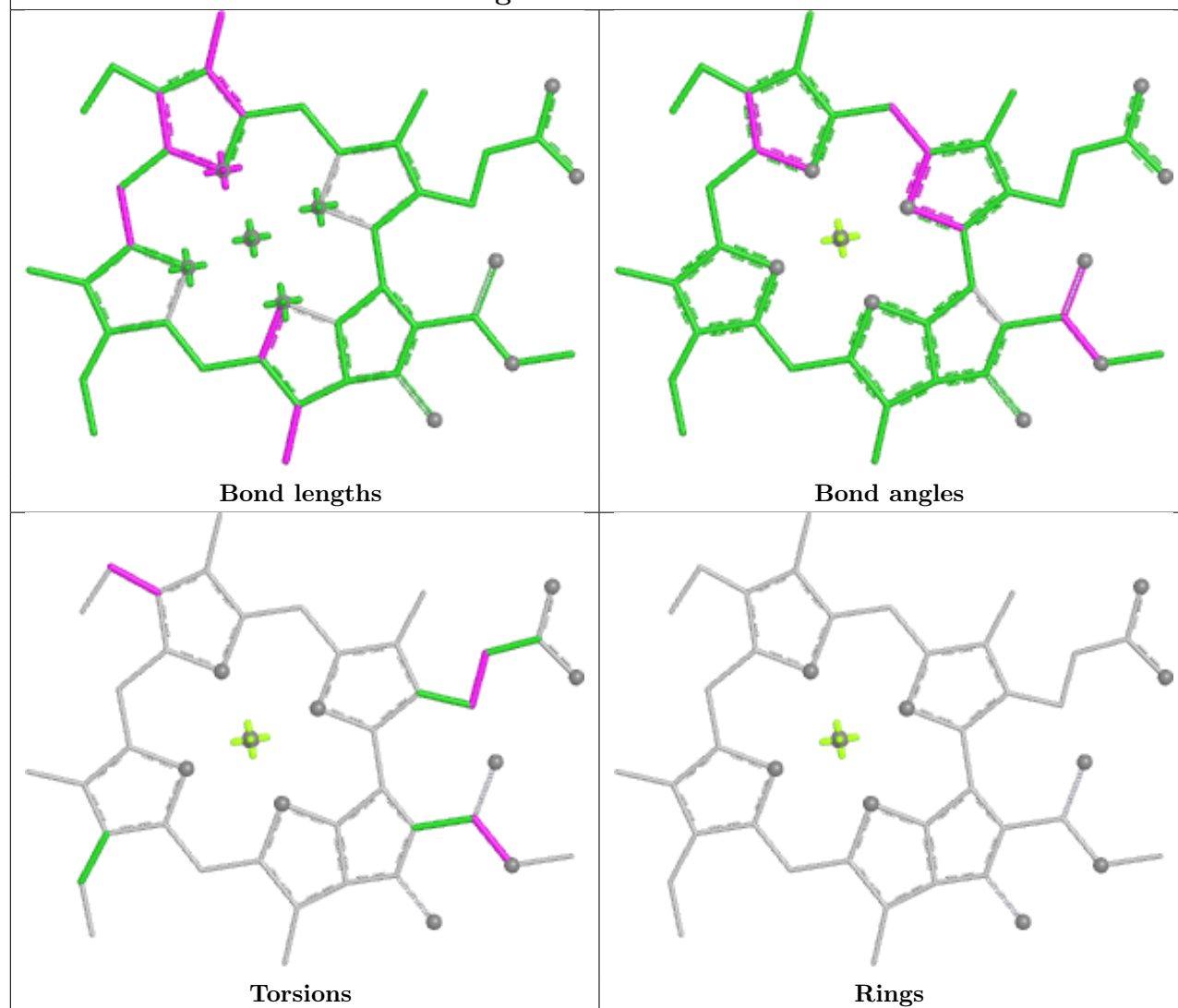


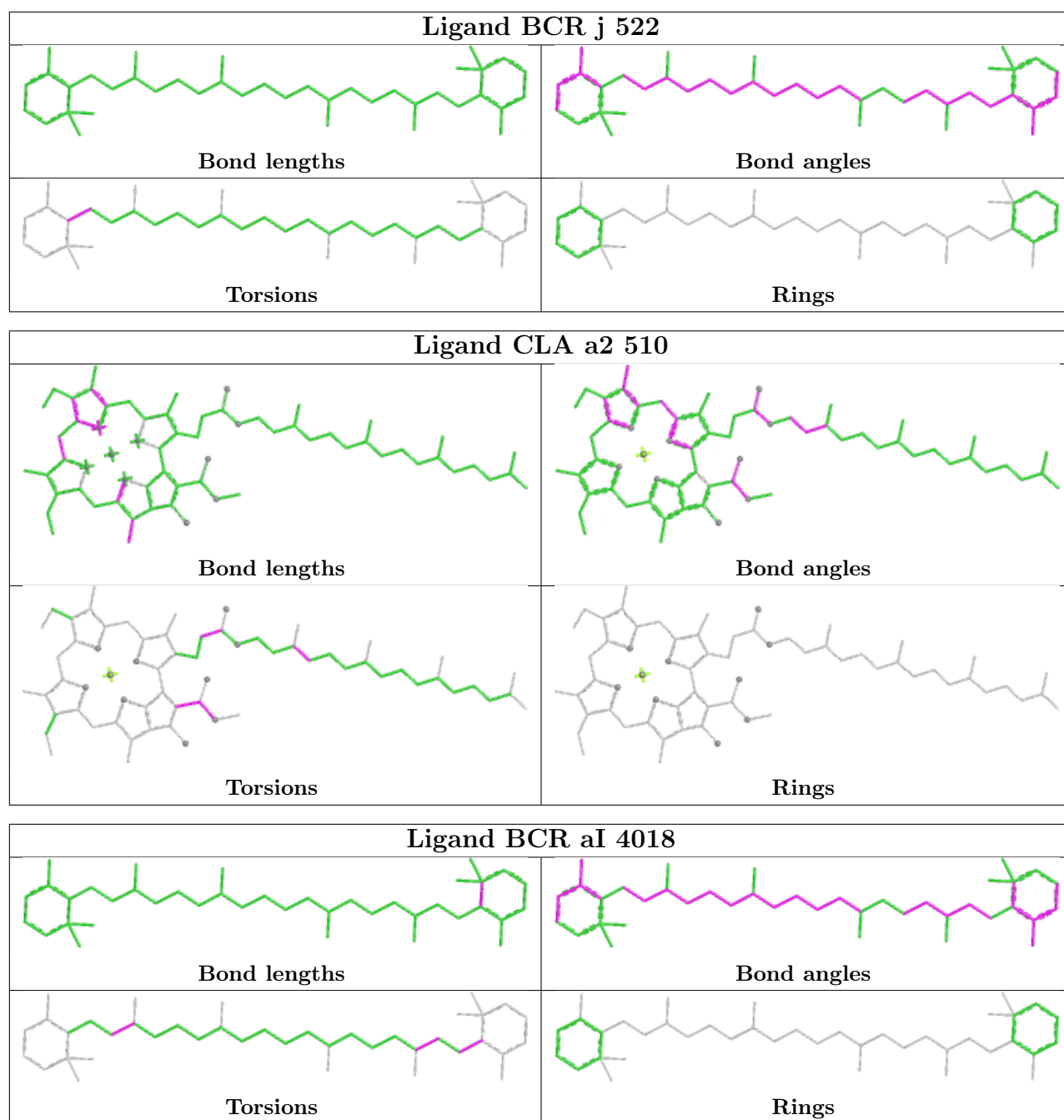
Rings

Ligand CLA aB 1221

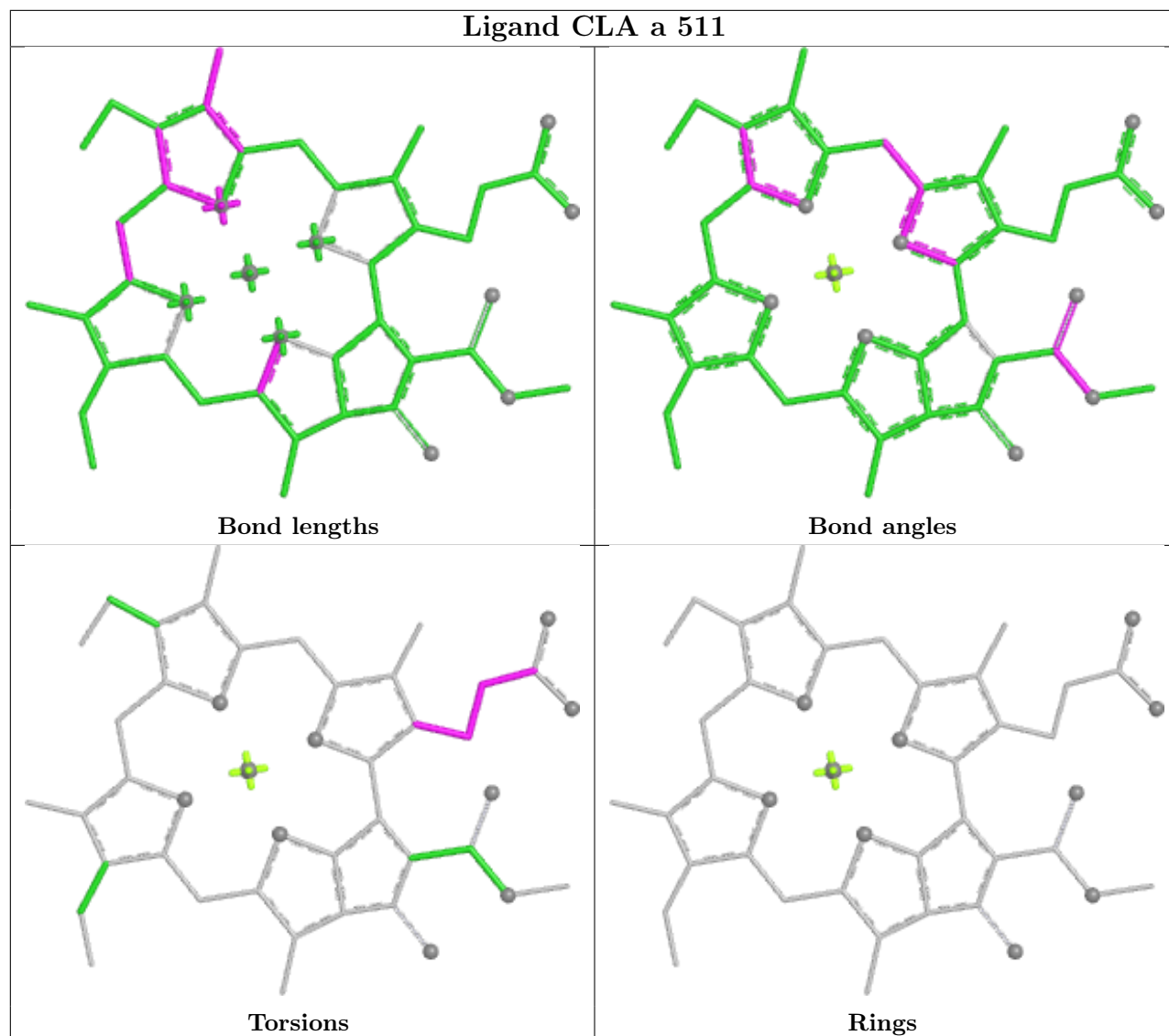


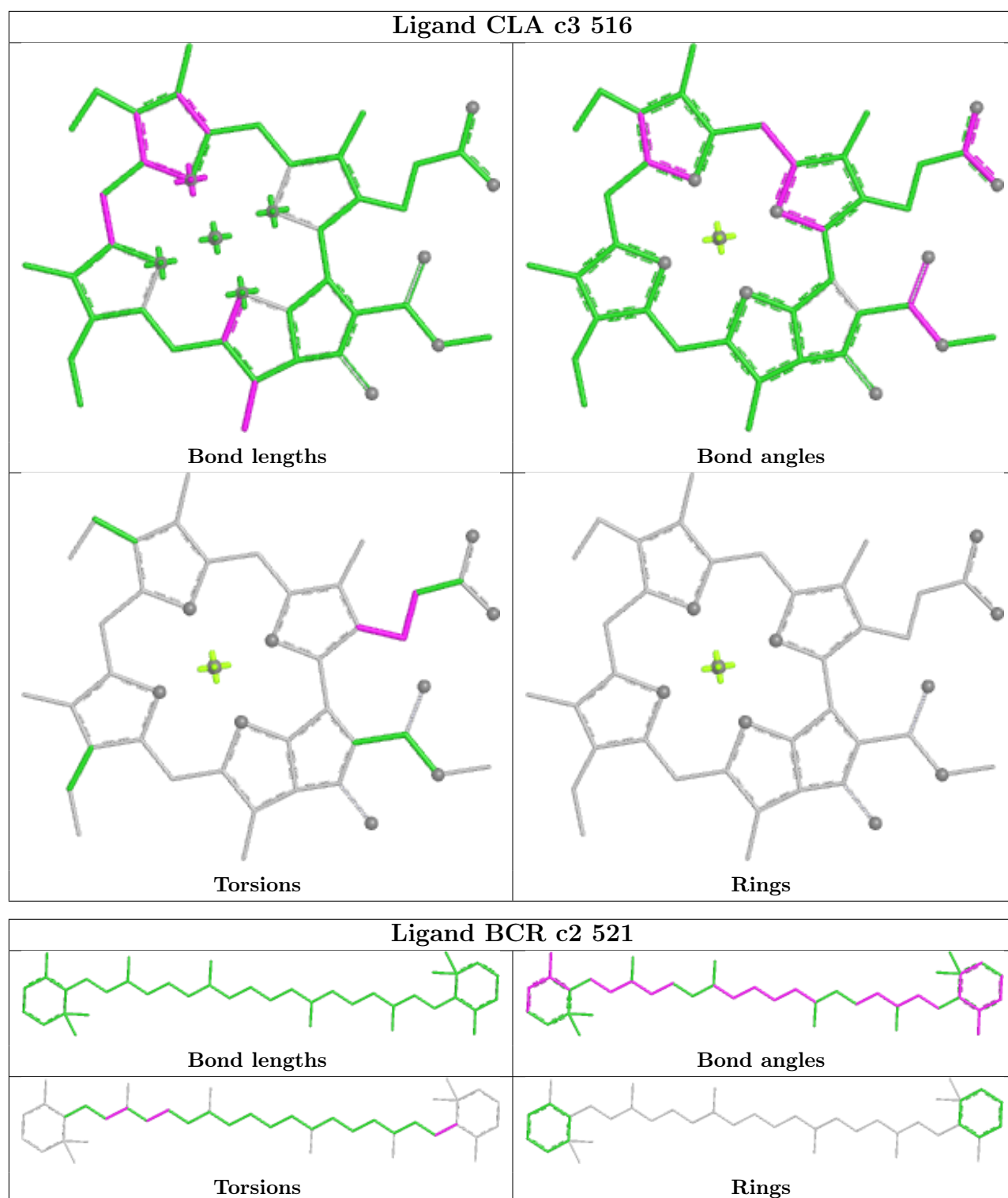
Ligand CLA o 504

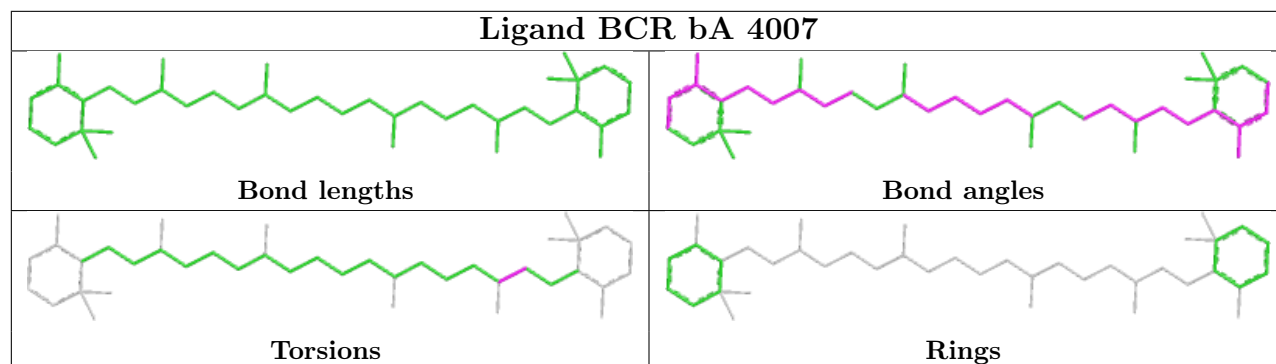
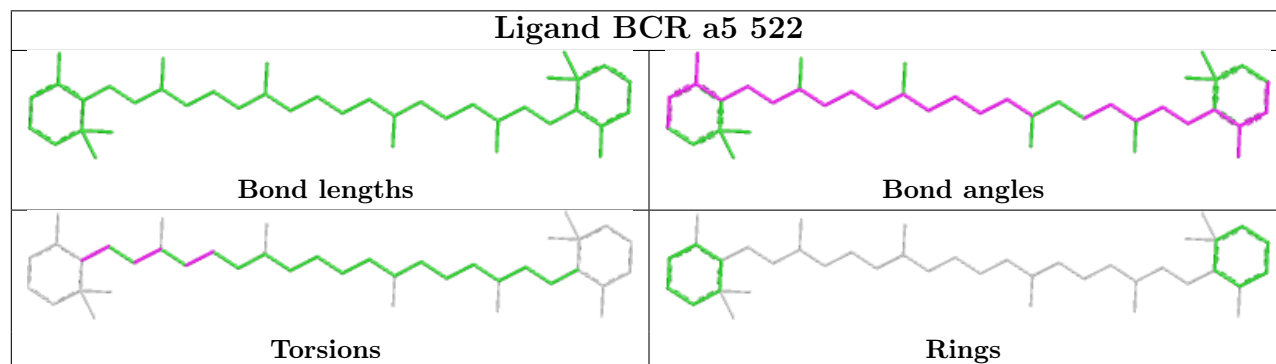
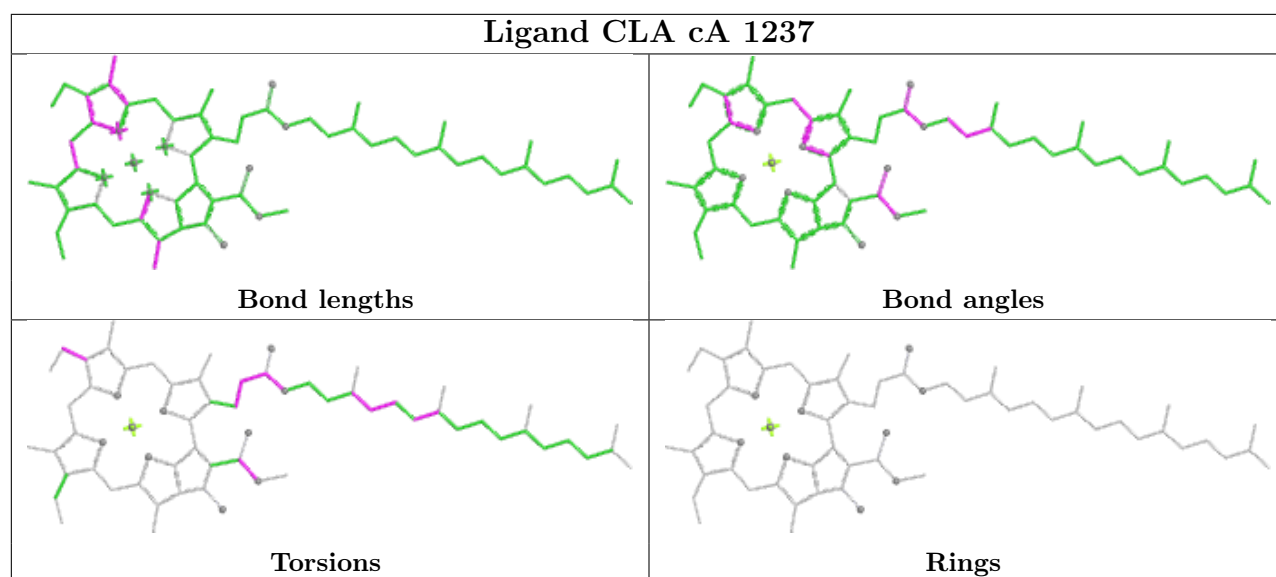




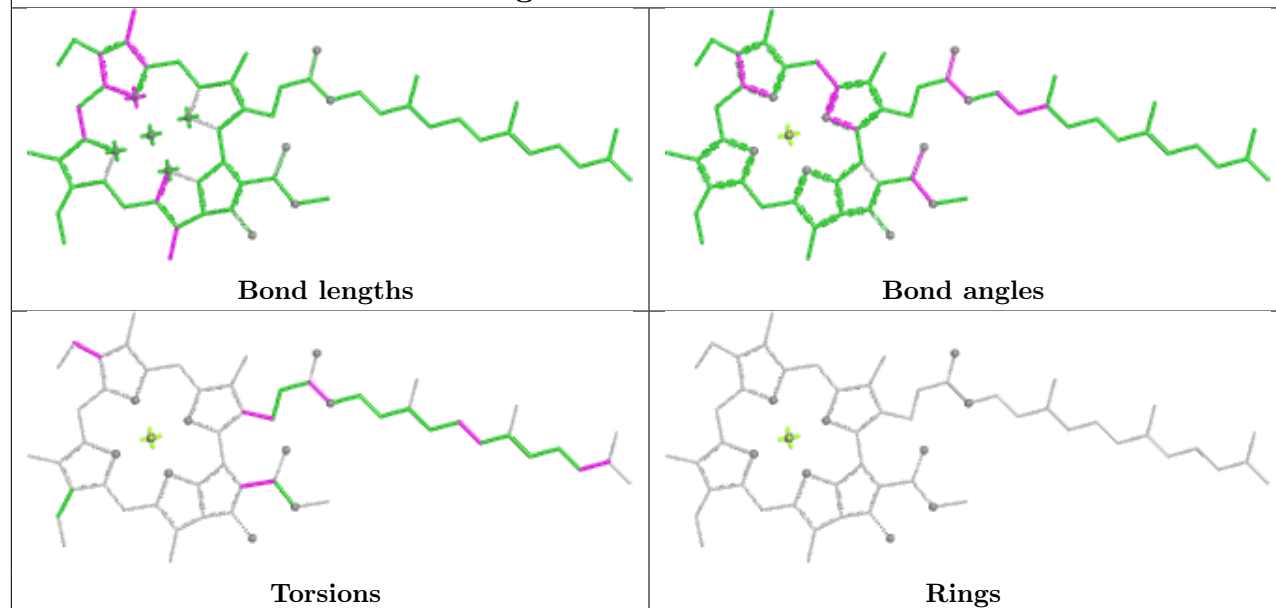
Ligand CLA a 511



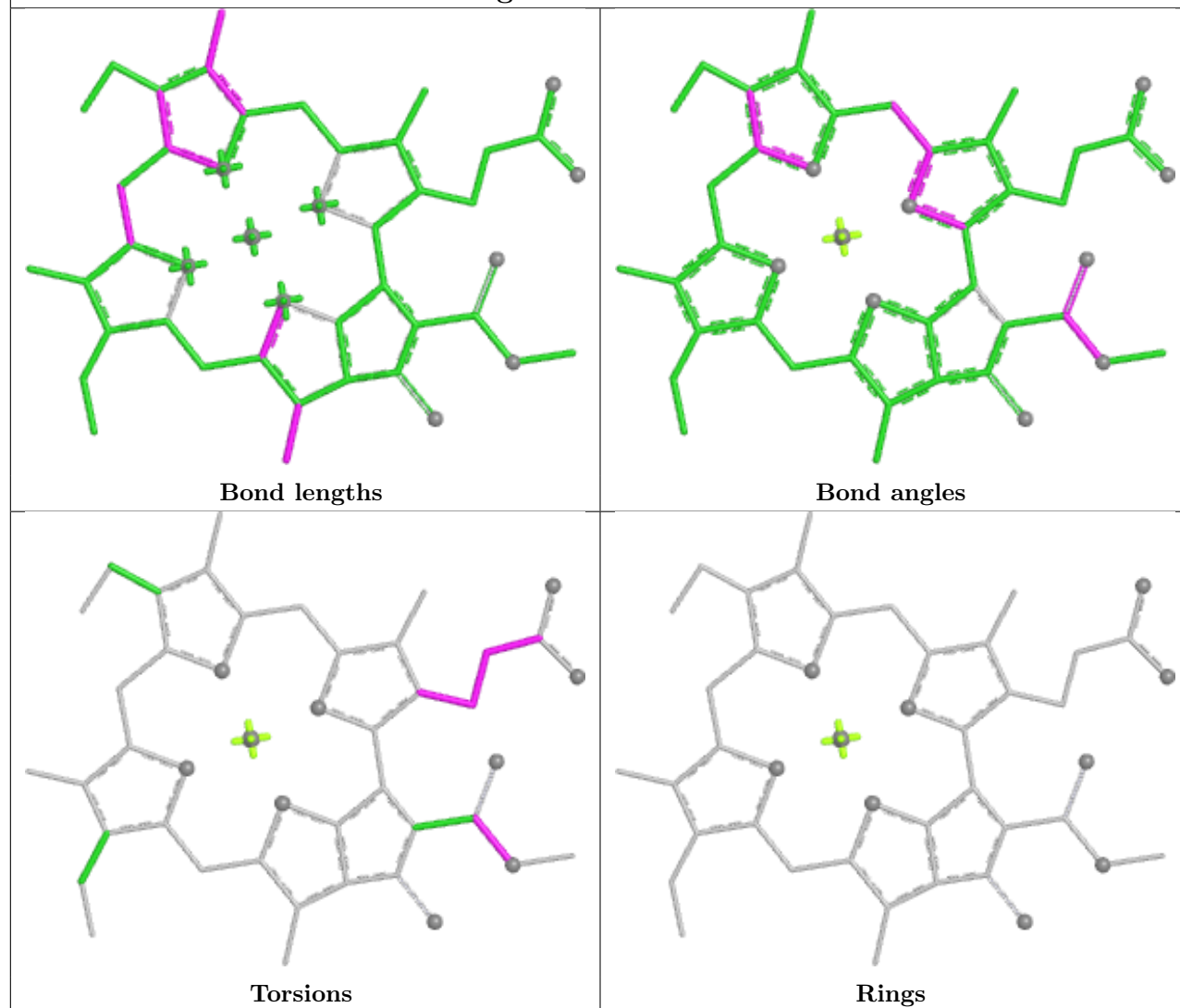


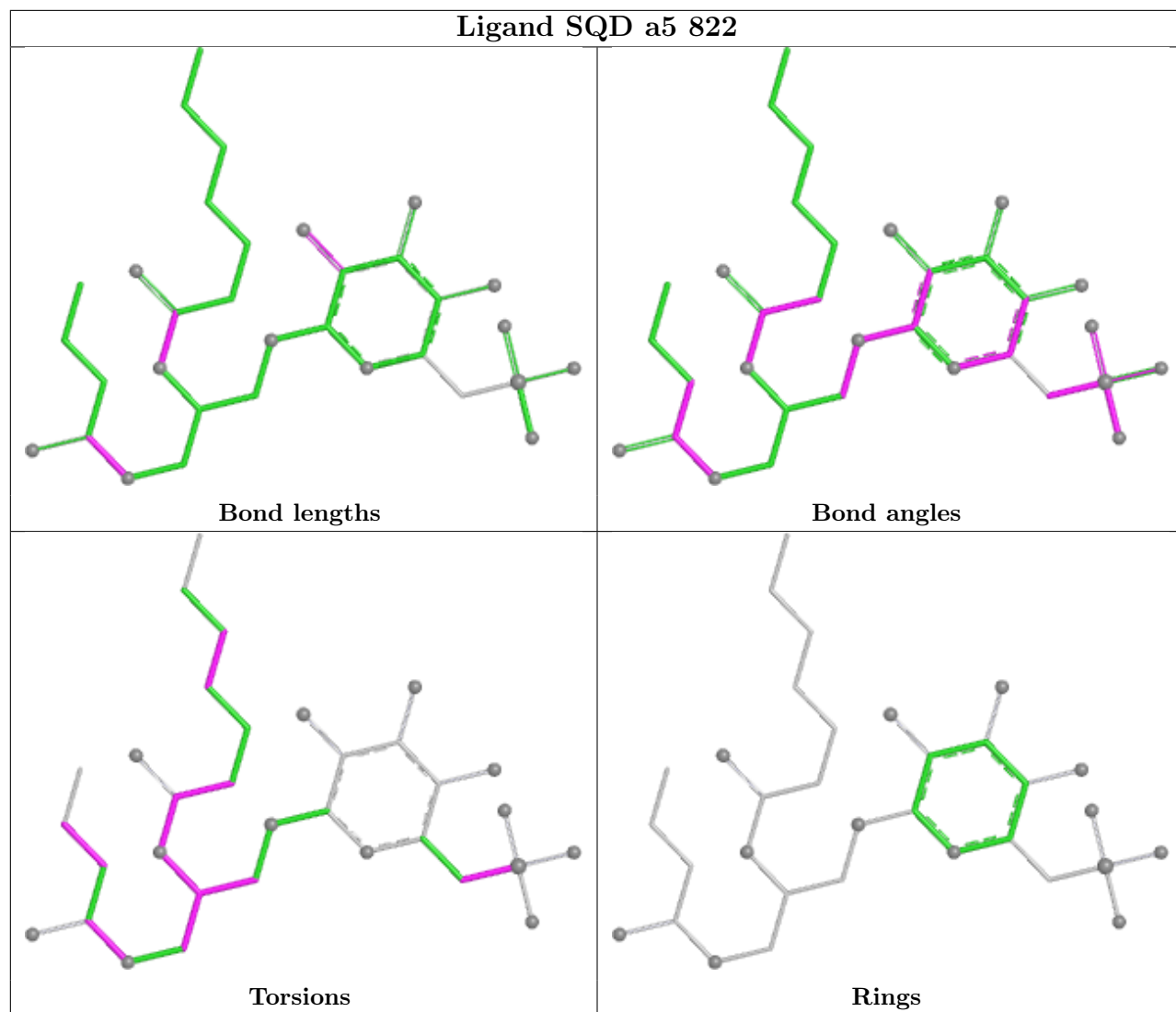


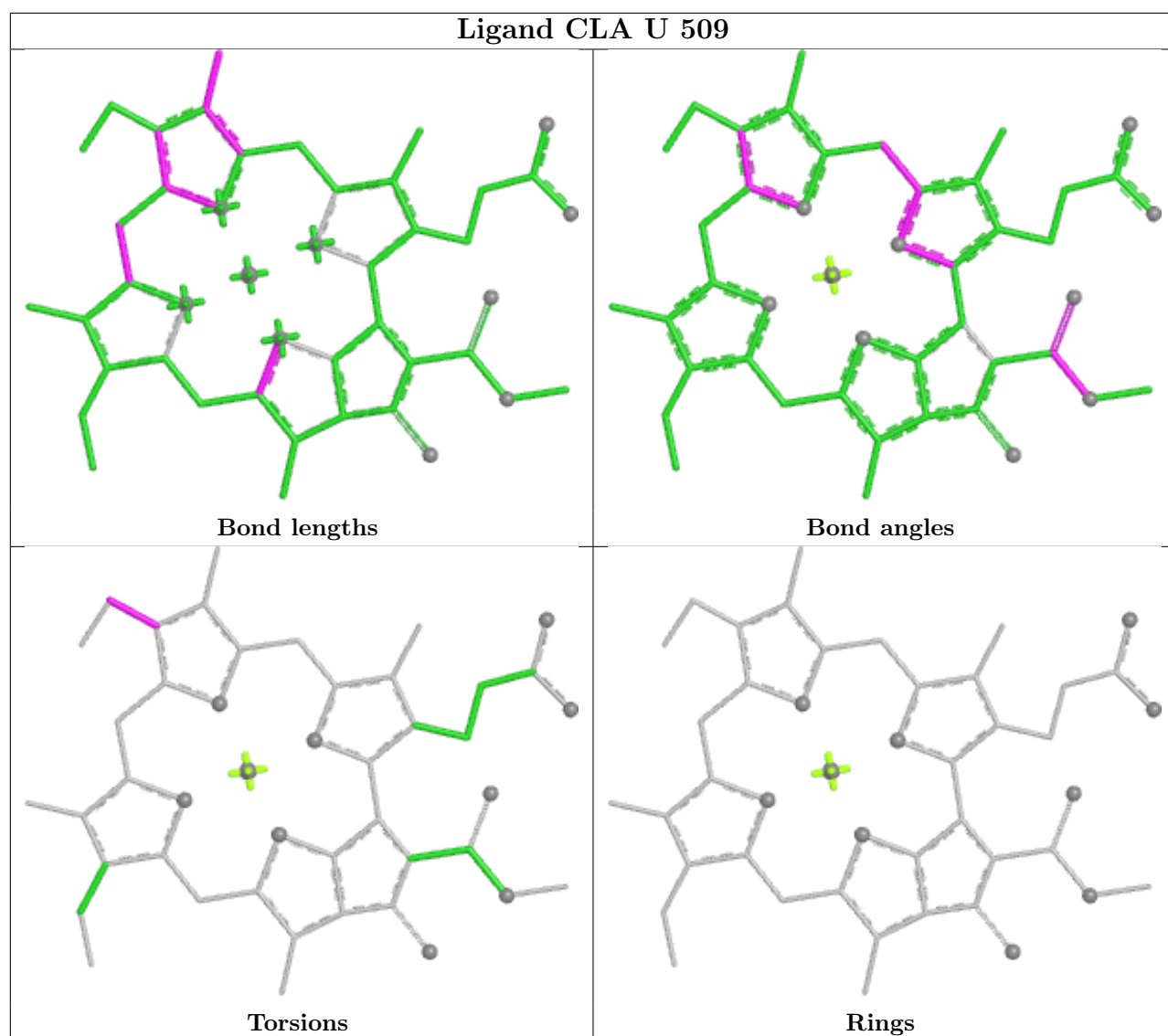
Ligand CLA cB 1234



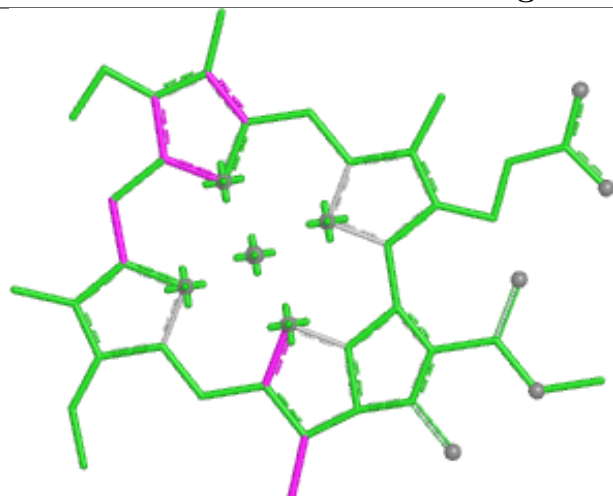
Ligand CLA c 511



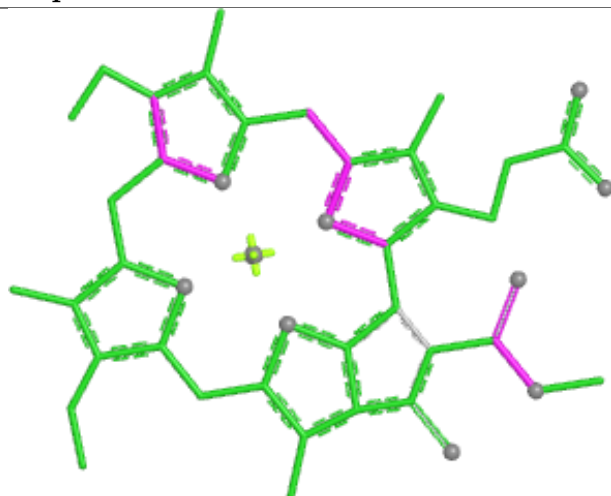




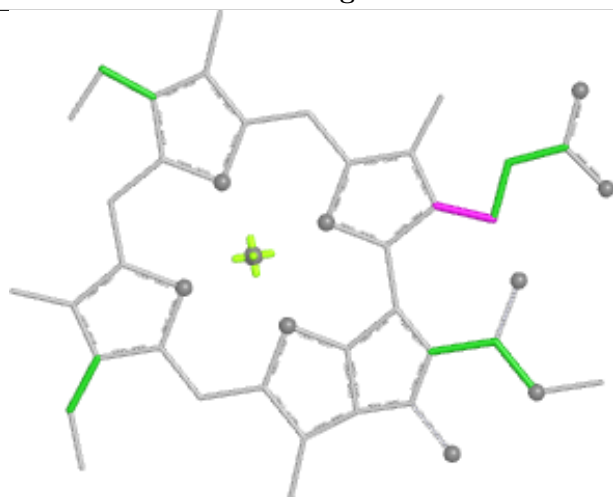
Ligand CLA p 516



Bond lengths



Bond angles

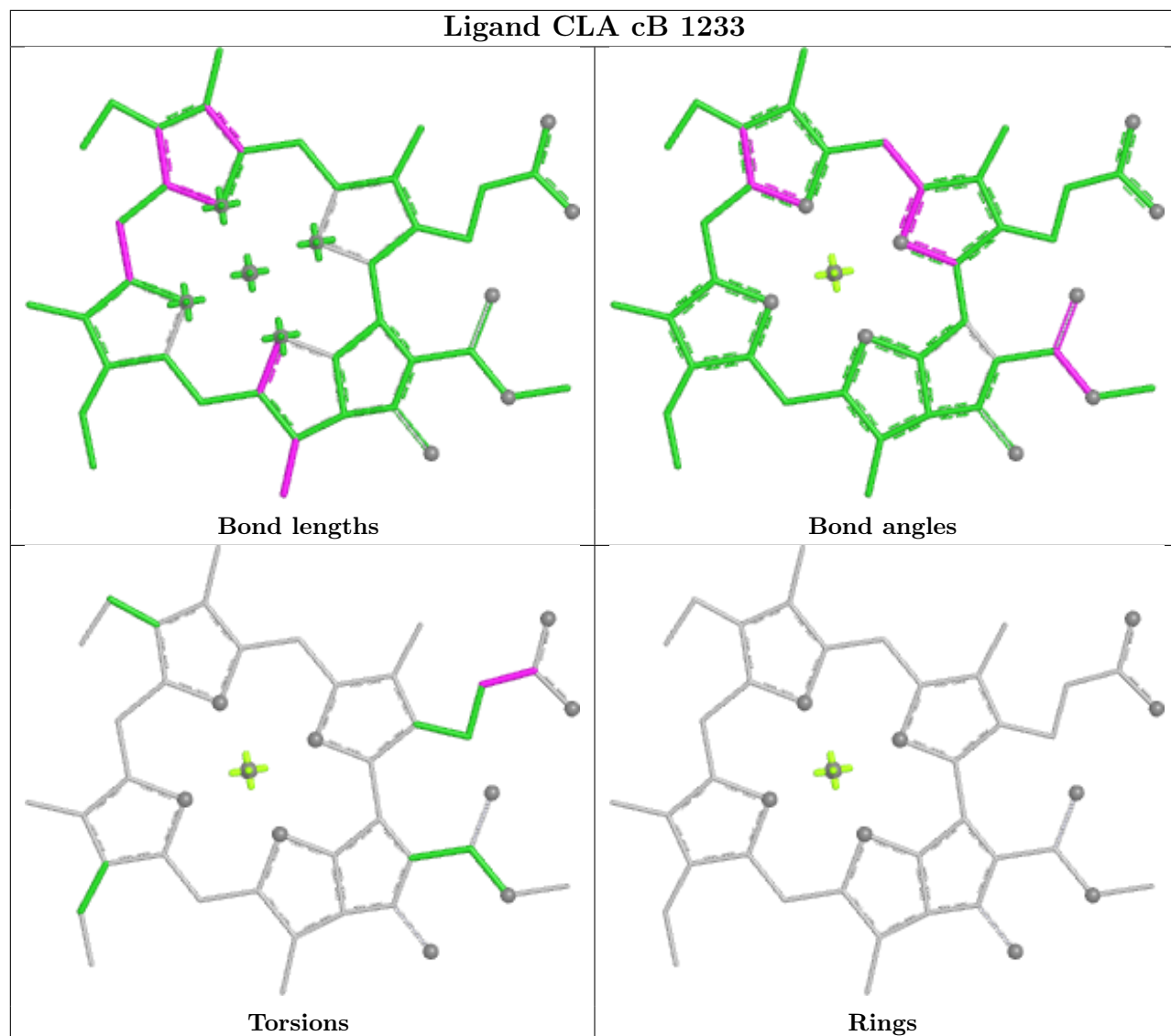


Torsions

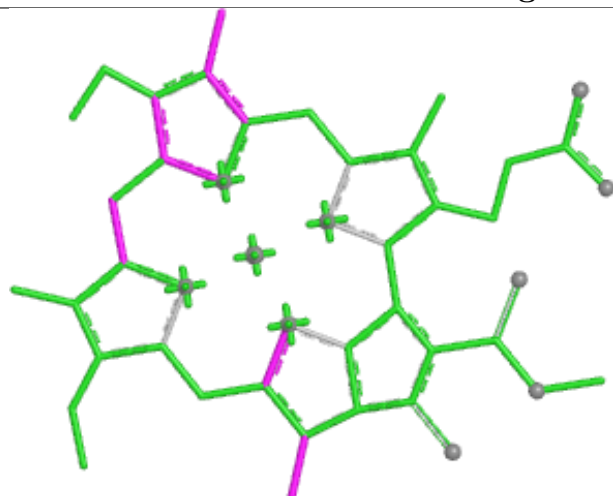


Rings

Ligand CLA cB 1233



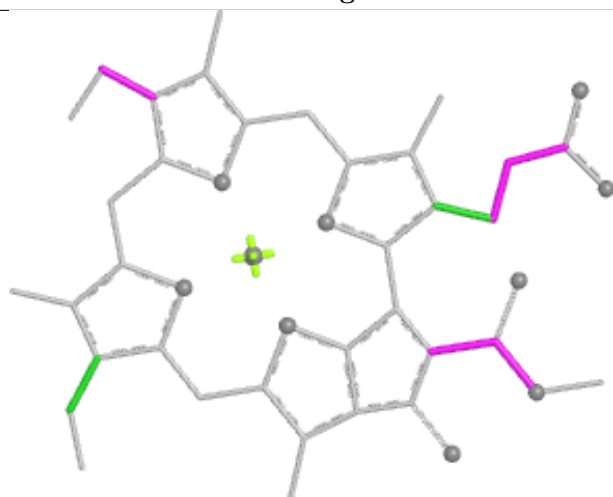
Ligand CLA a 504



Bond lengths



Bond angles

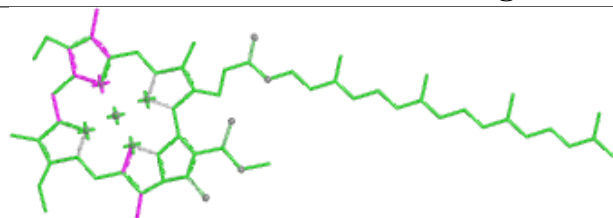


Torsions

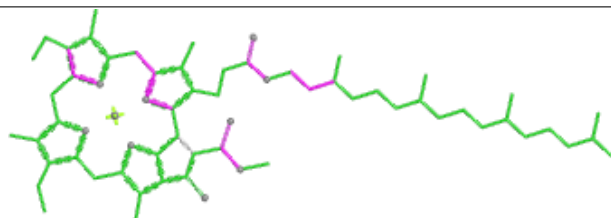


Rings

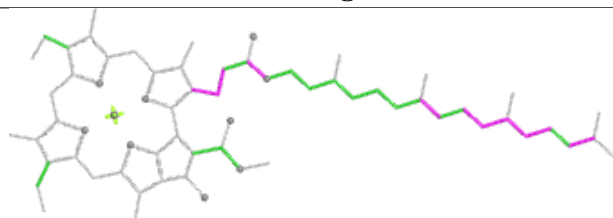
Ligand CLA cB 1225



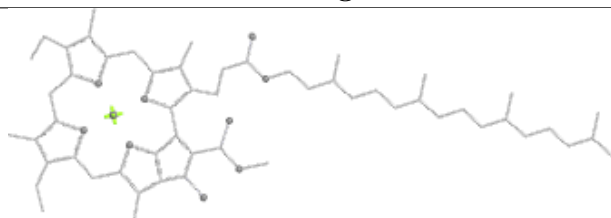
Bond lengths



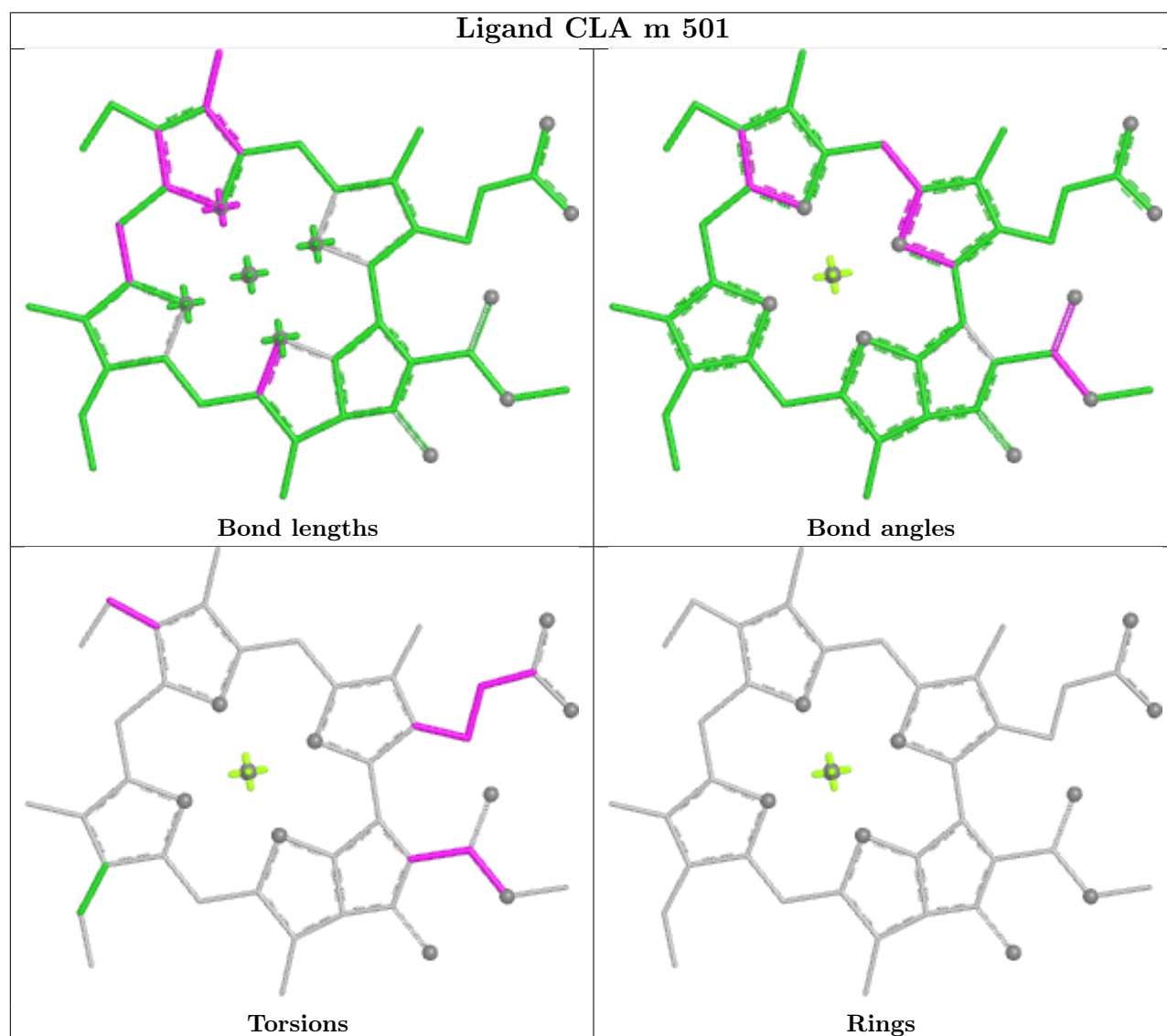
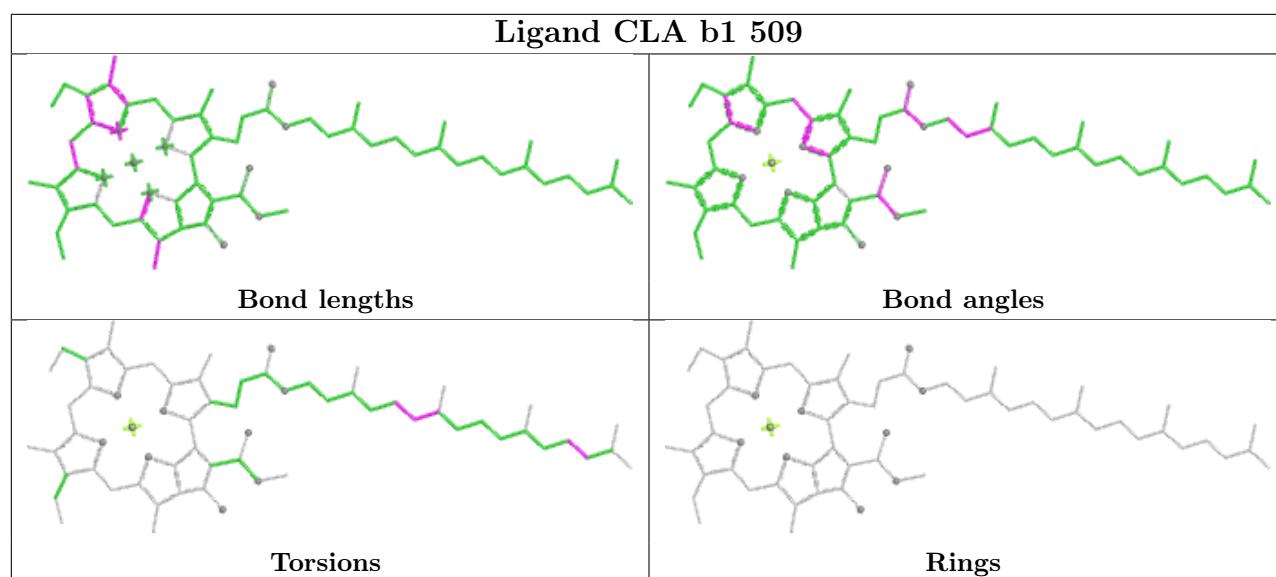
Bond angles

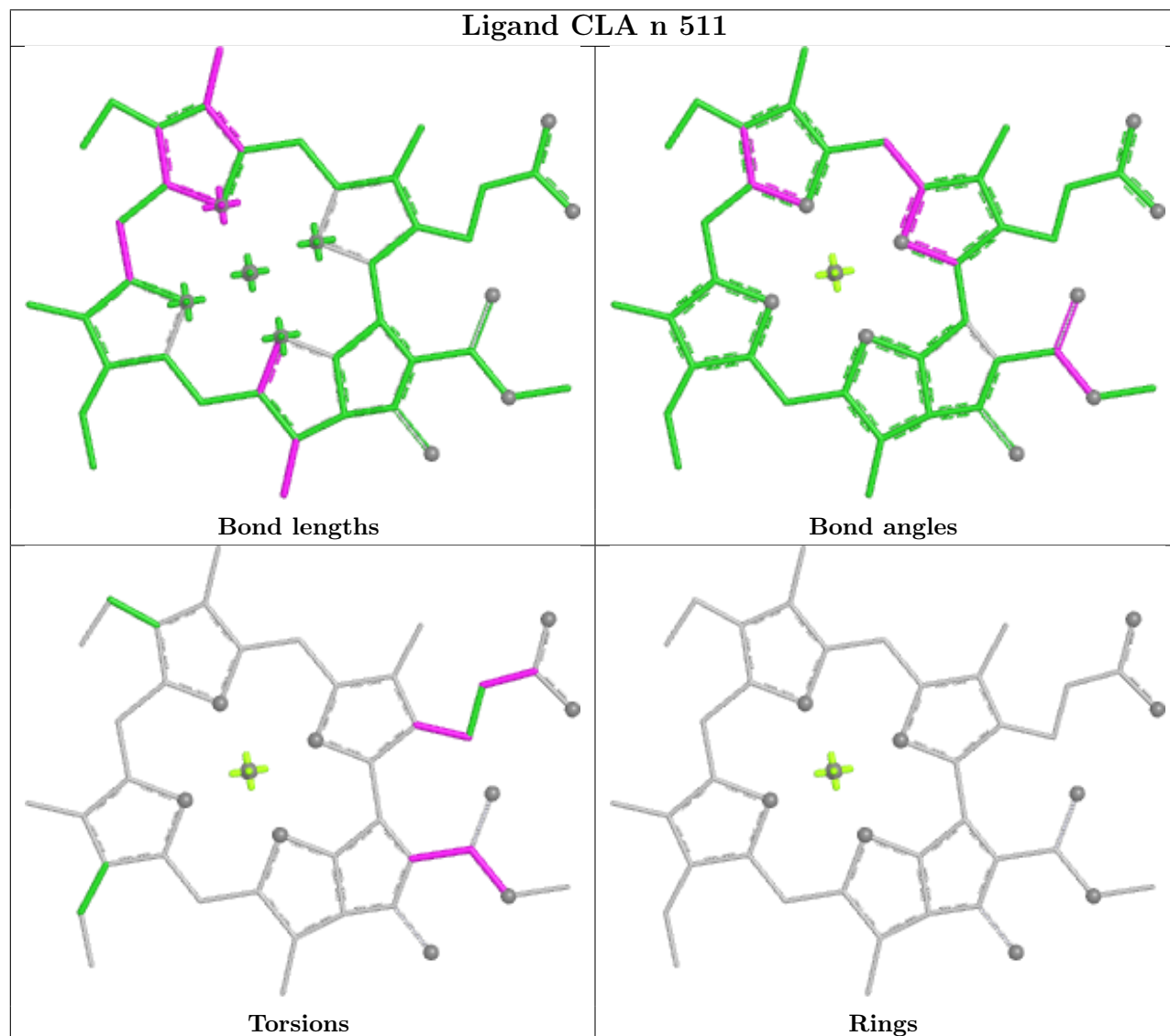
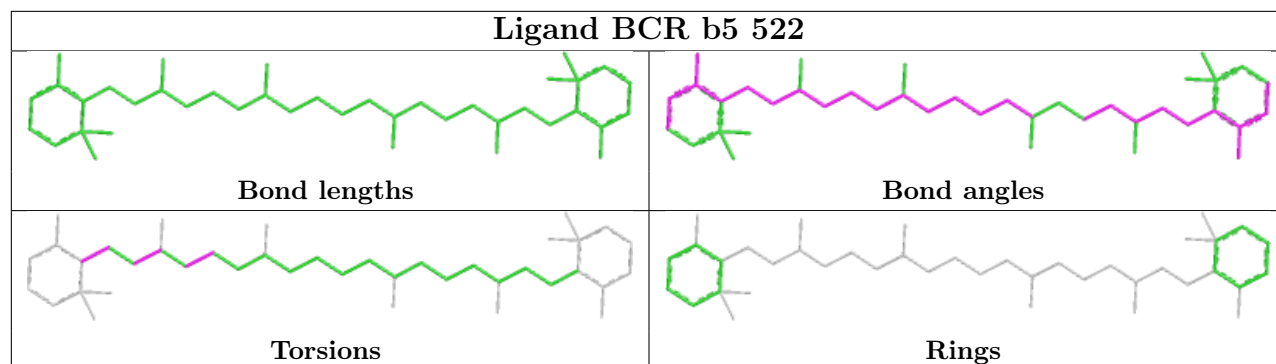


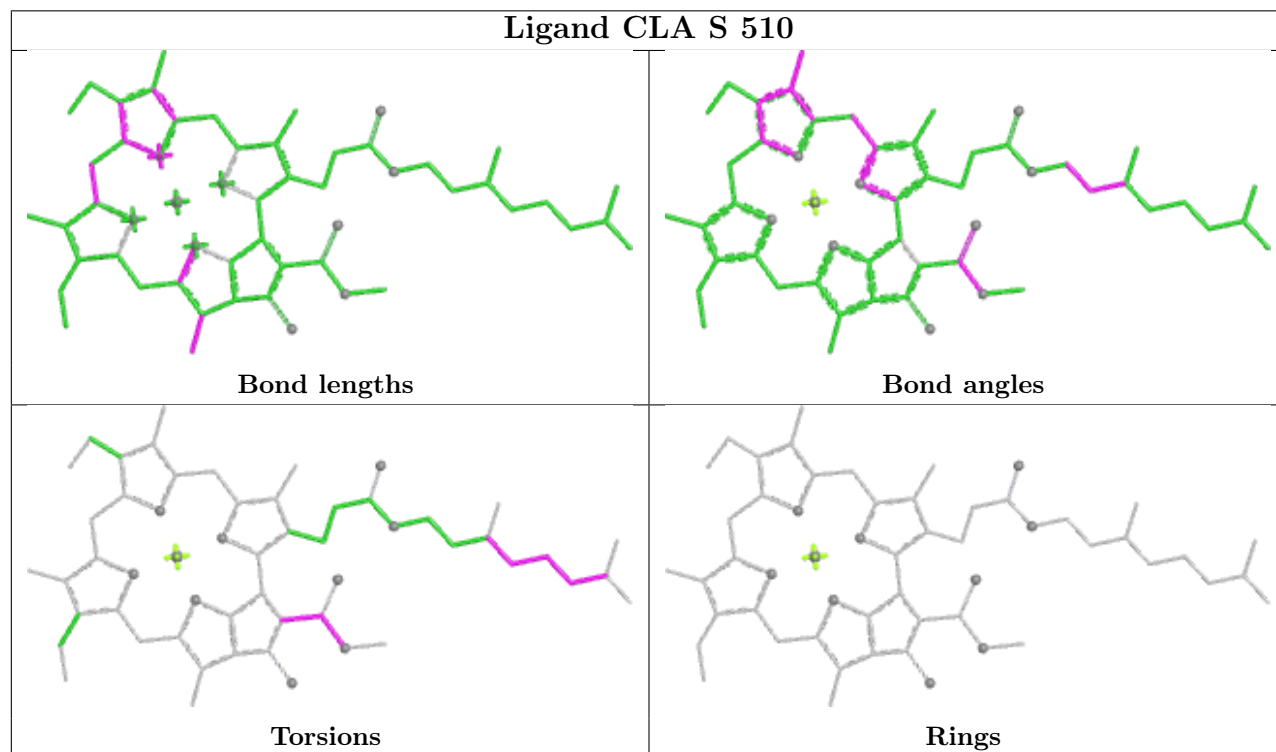
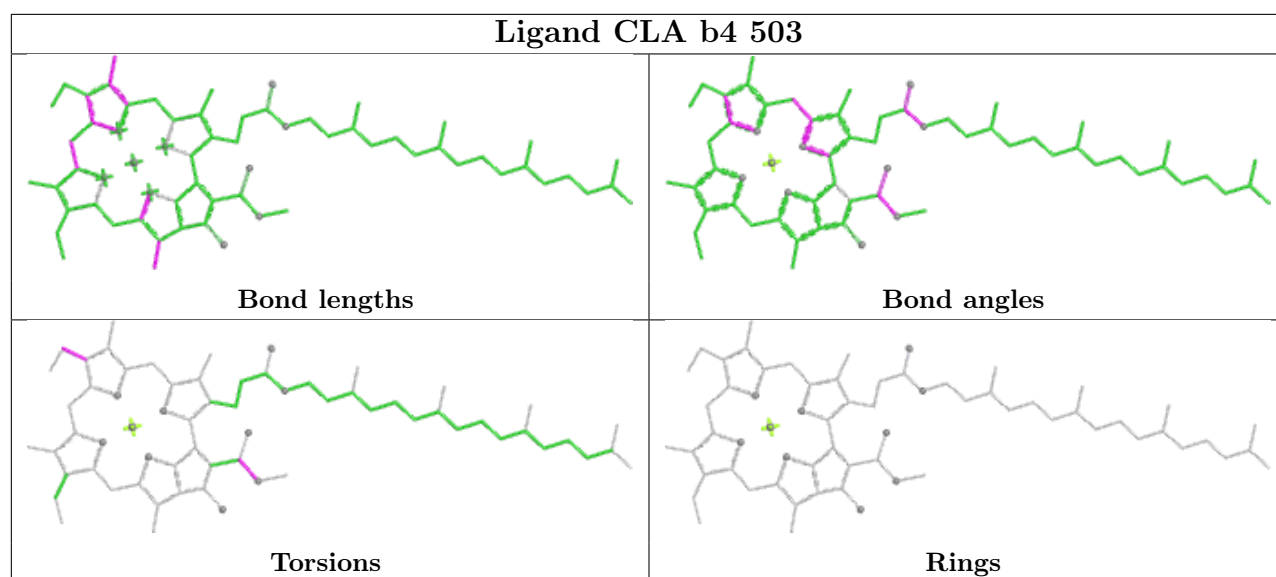
Torsions

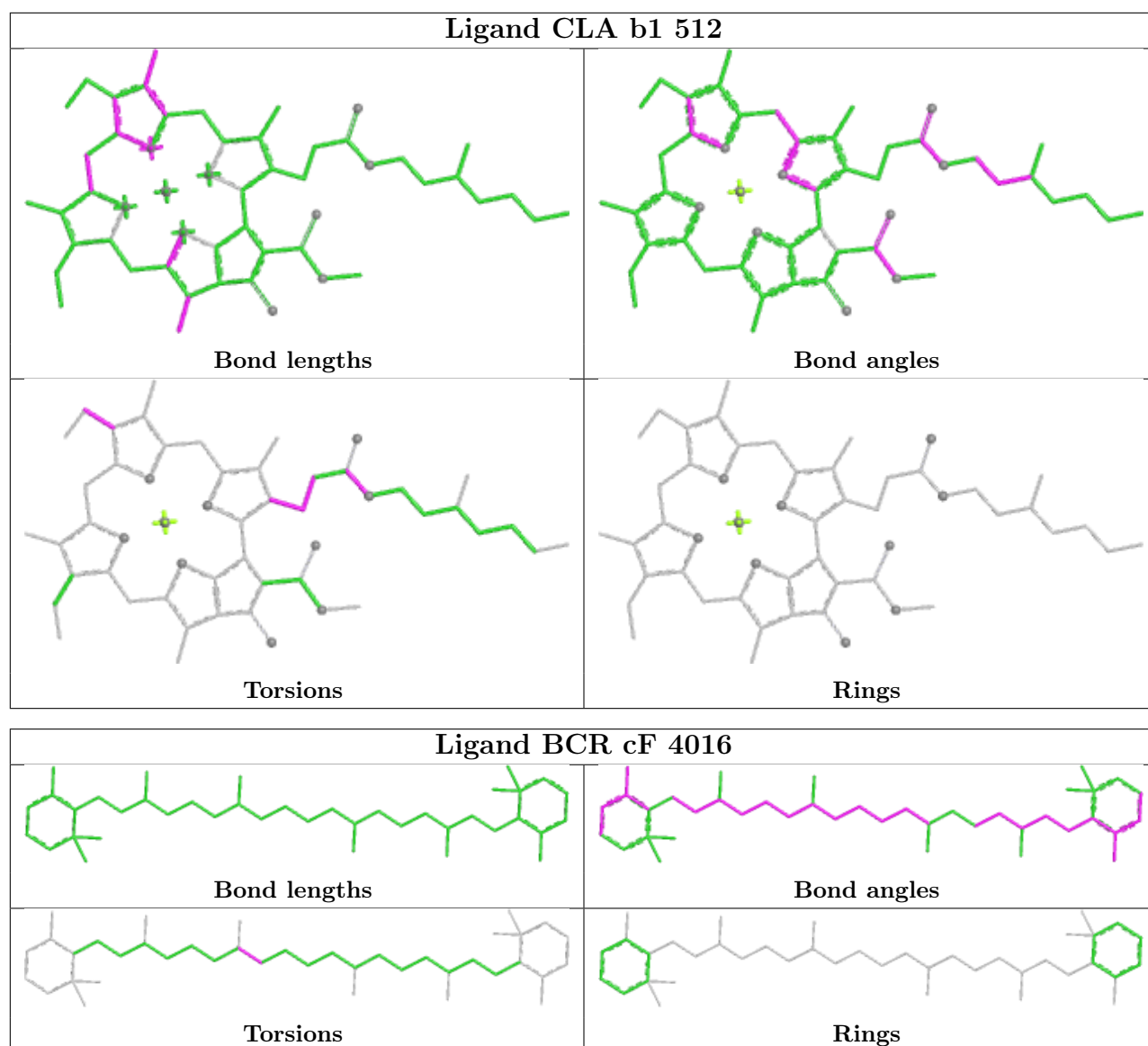


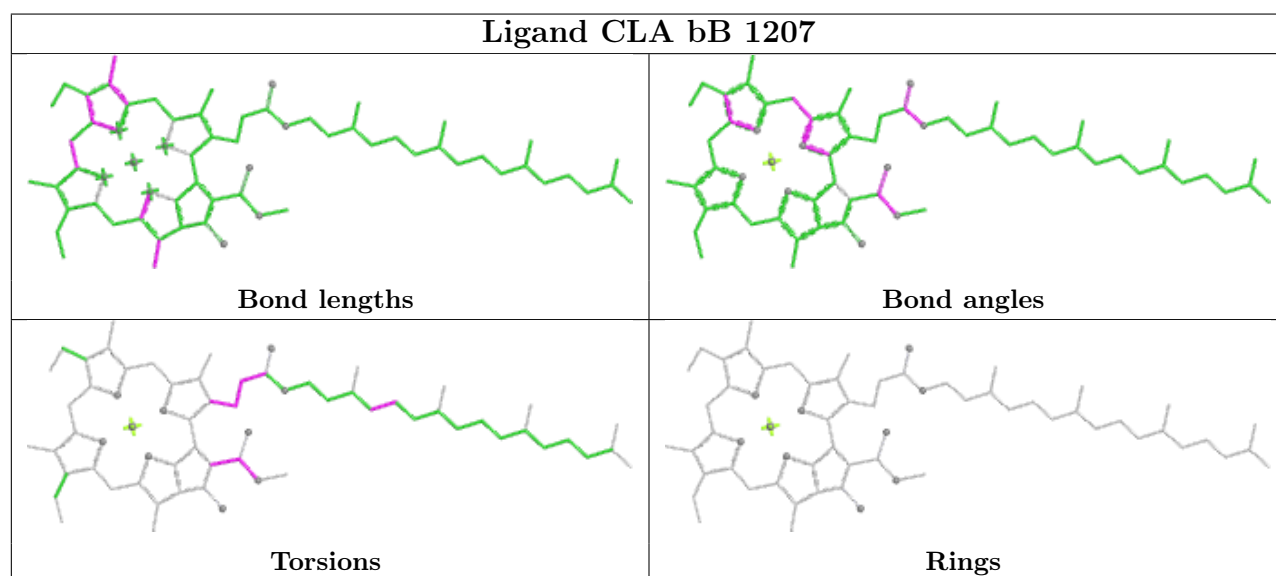
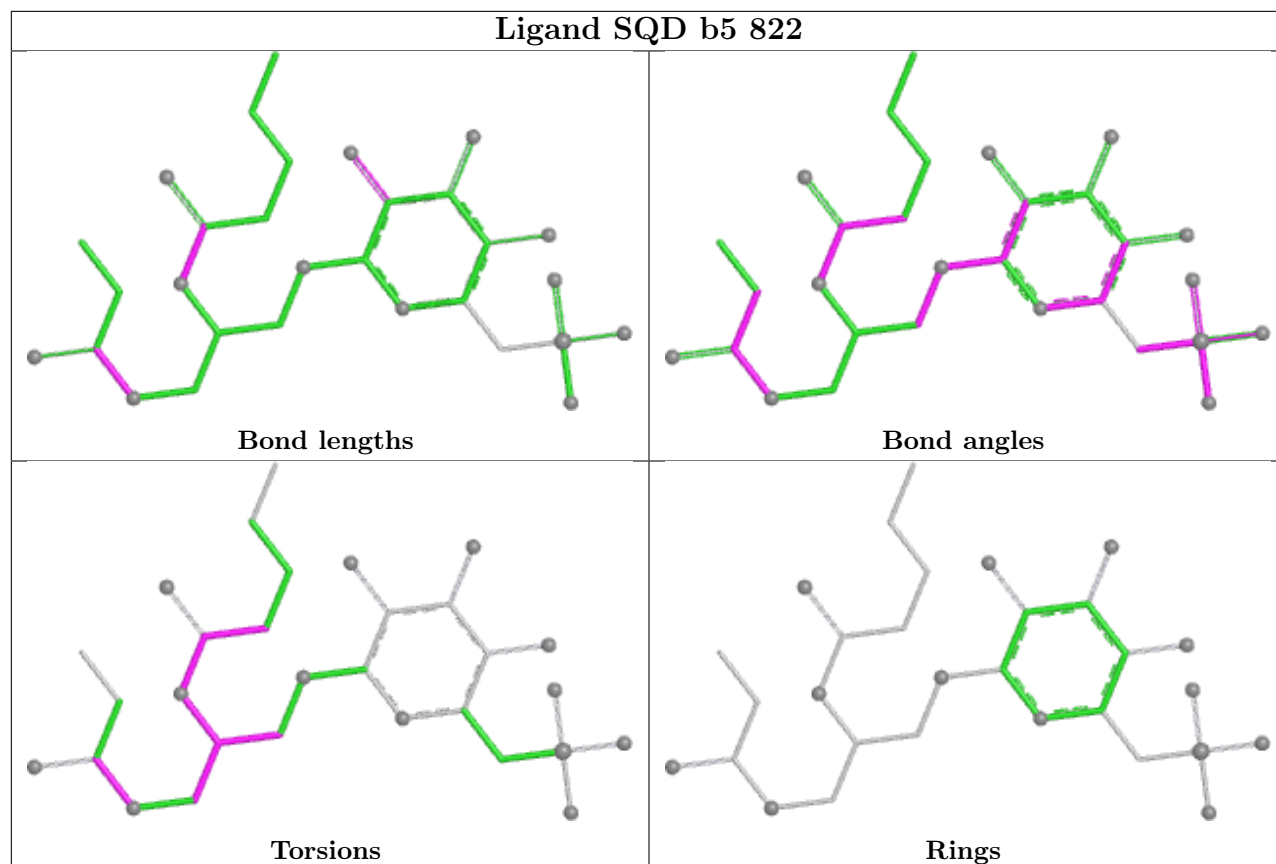
Rings



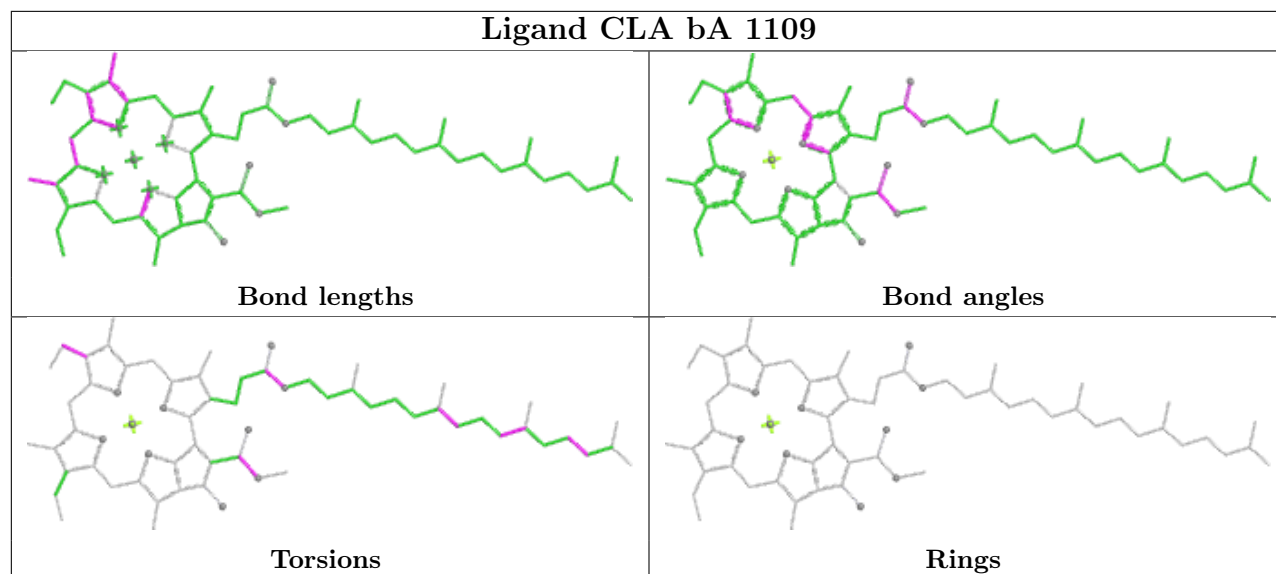




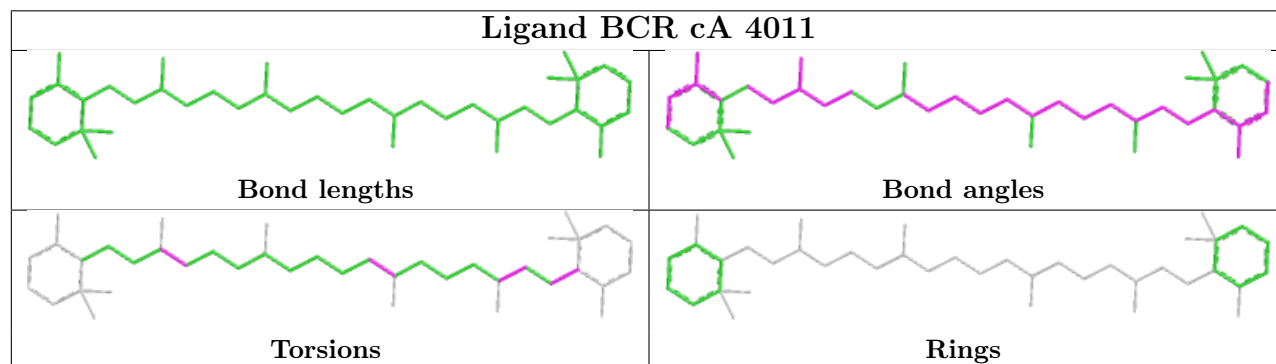




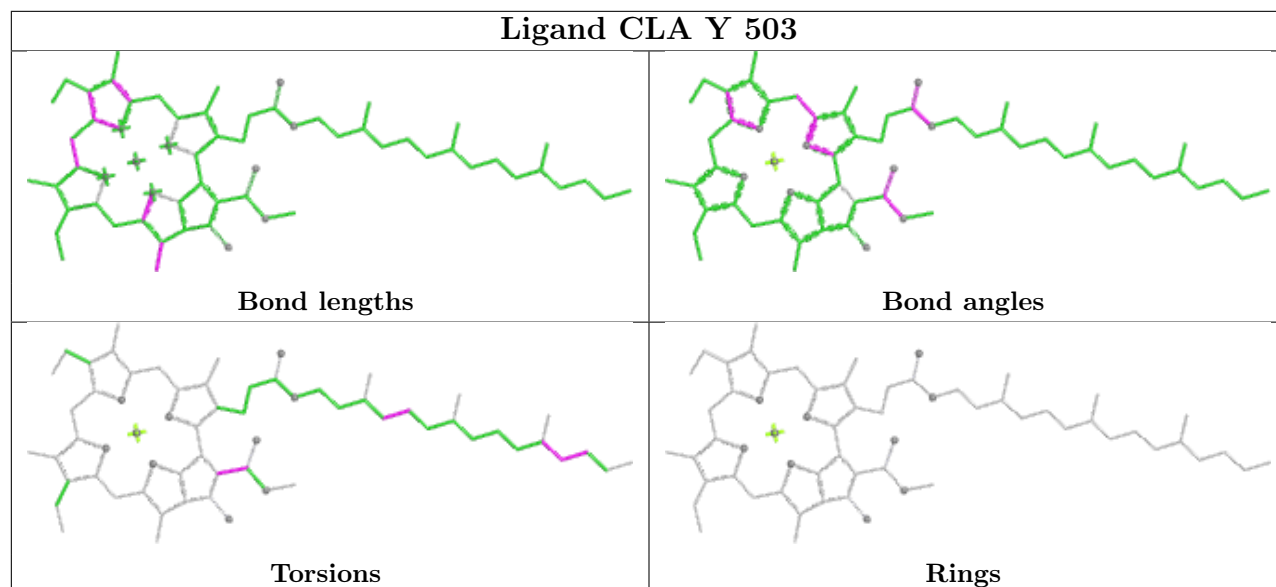
Ligand CLA bA 1109

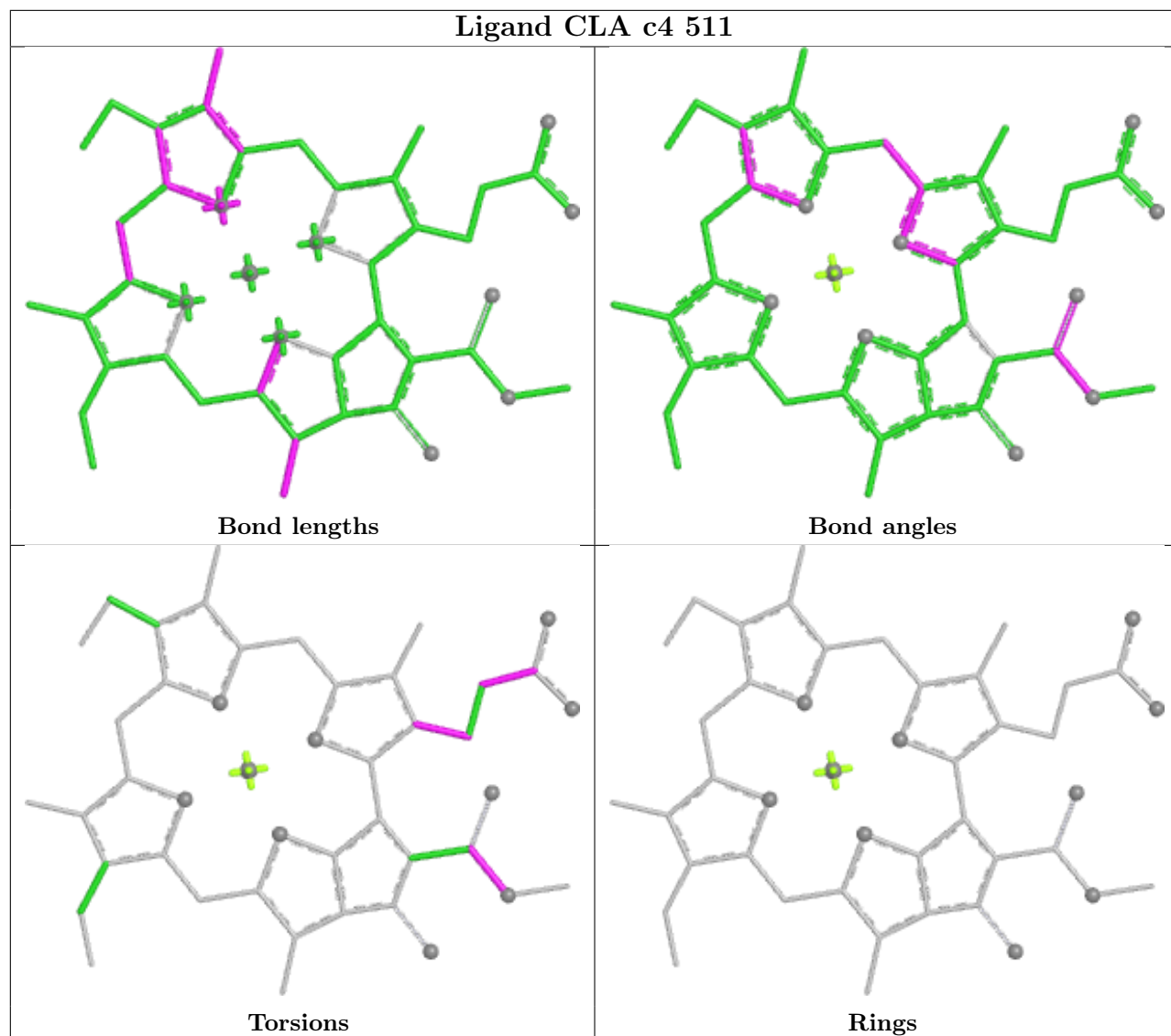


Ligand BCR cA 4011

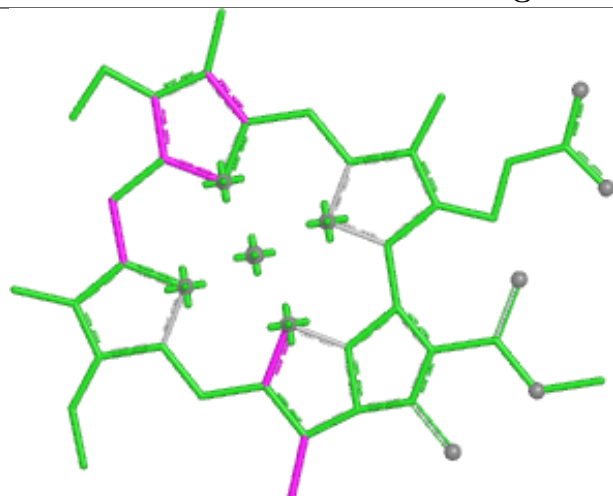


Ligand CLA Y 503

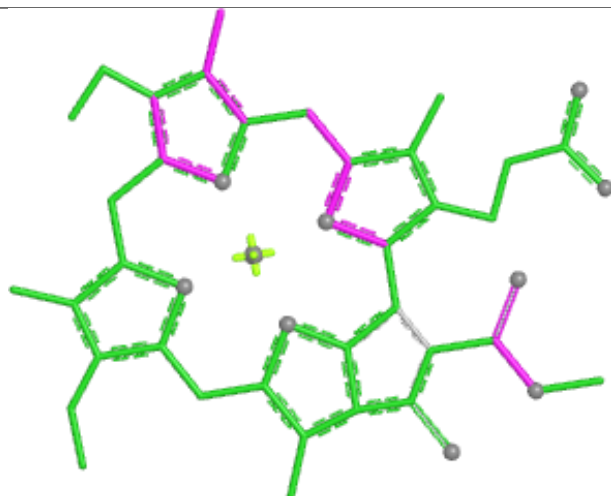




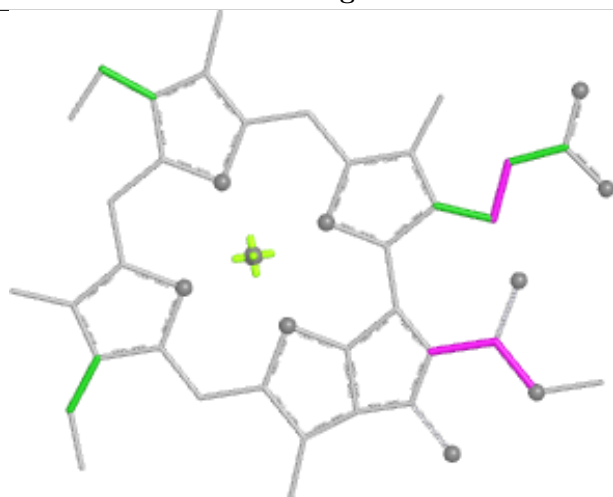
Ligand CLA V 518



Bond lengths



Bond angles

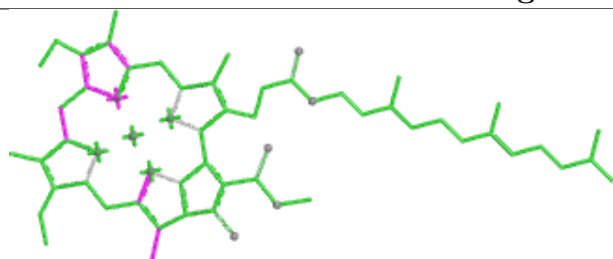


Torsions

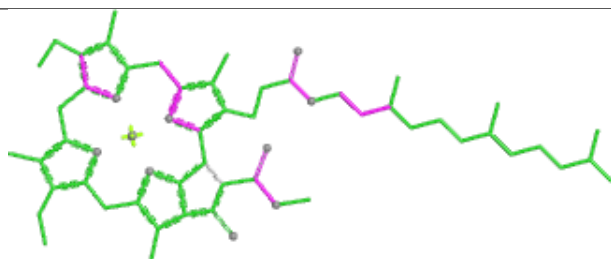


Rings

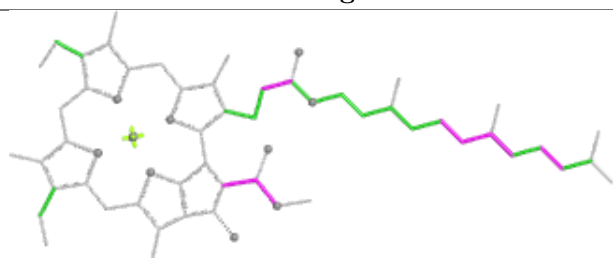
Ligand CLA n 509



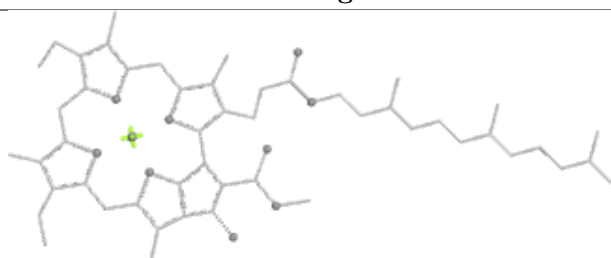
Bond lengths



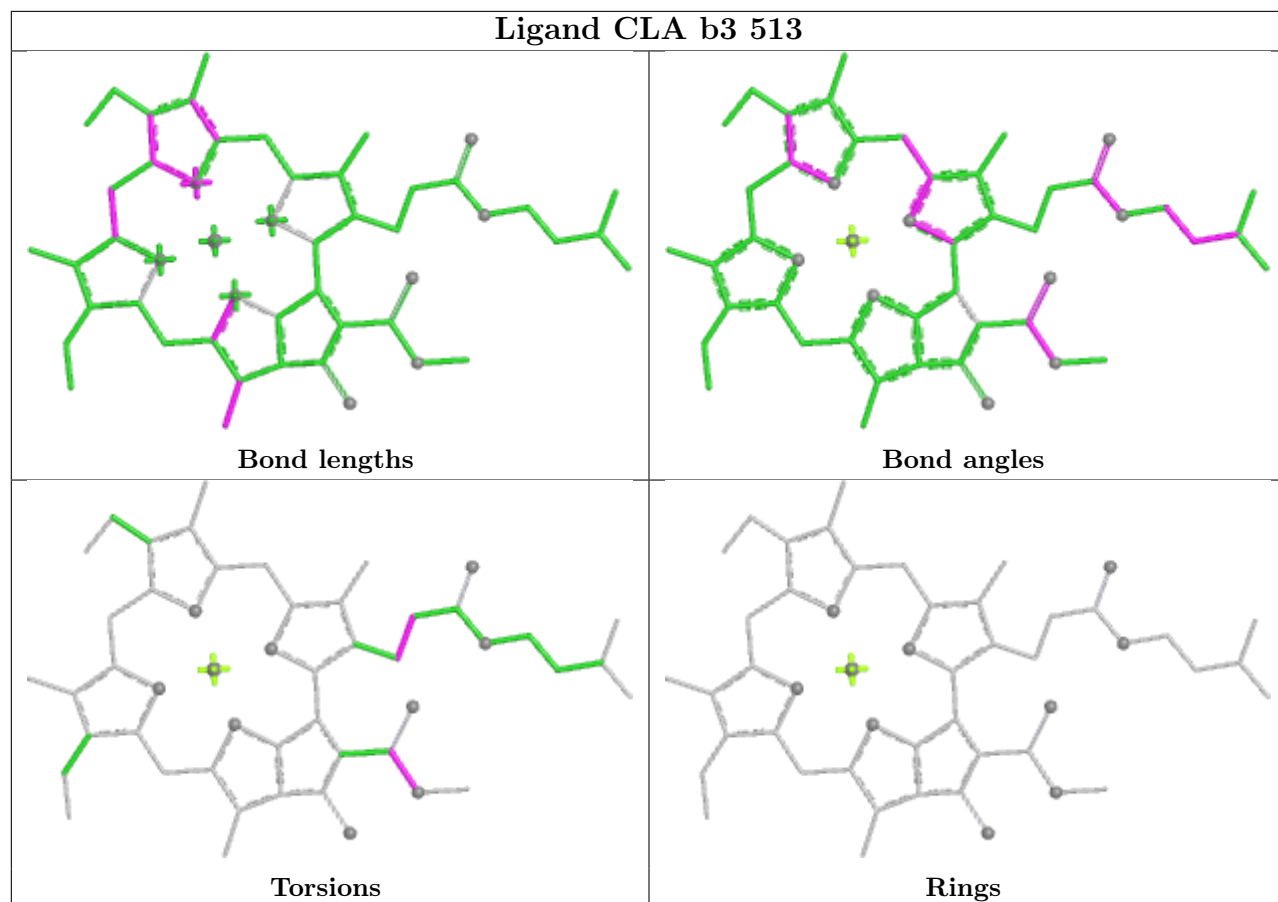
Bond angles



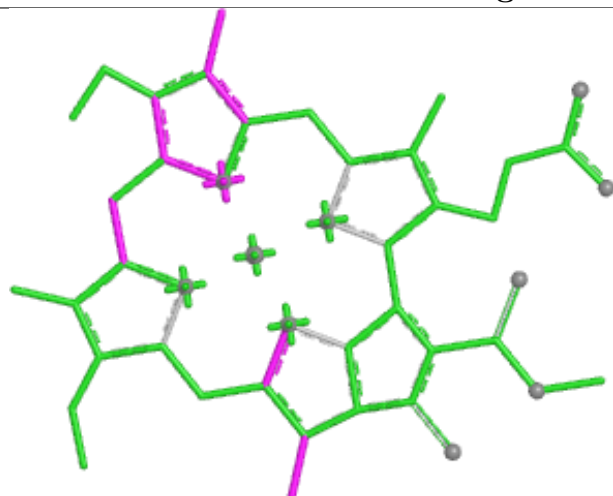
Torsions



Rings



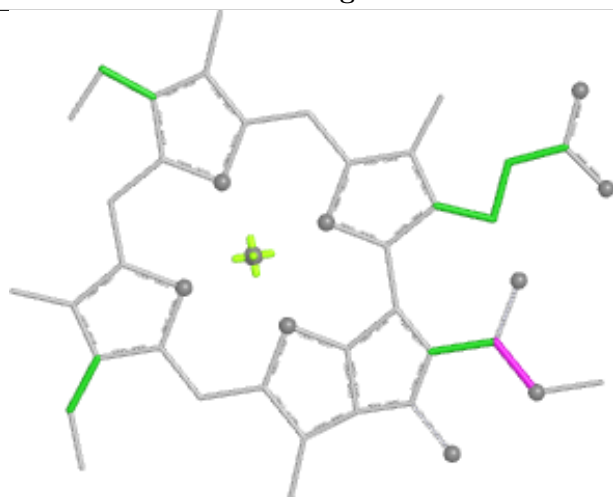
Ligand CLA cA 1108



Bond lengths



Bond angles

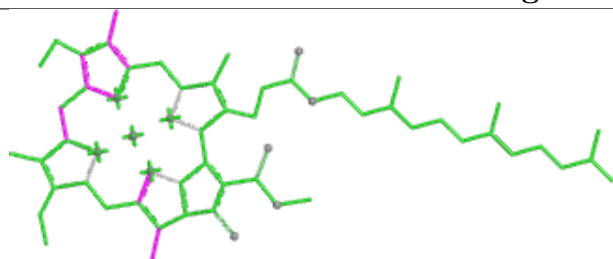


Torsions

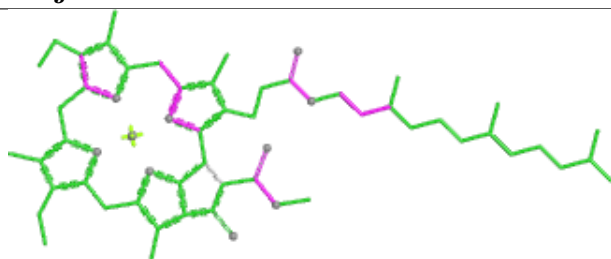


Rings

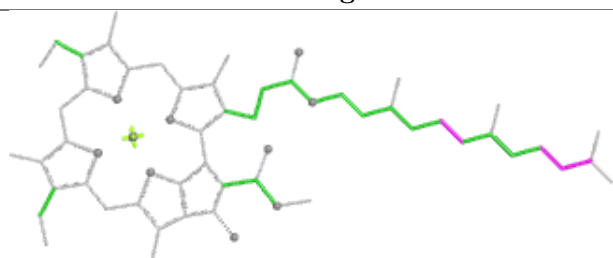
Ligand CLA j 509



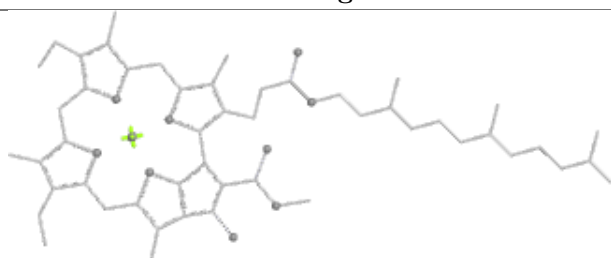
Bond lengths



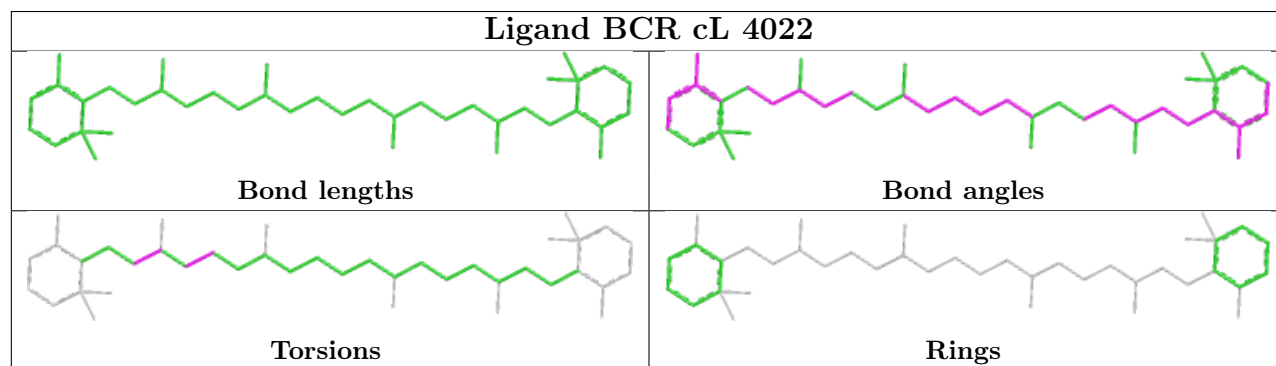
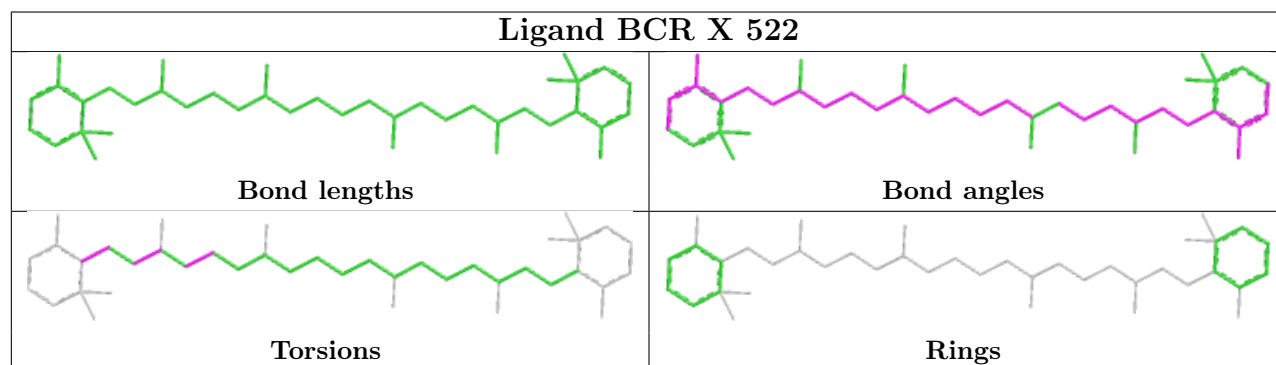
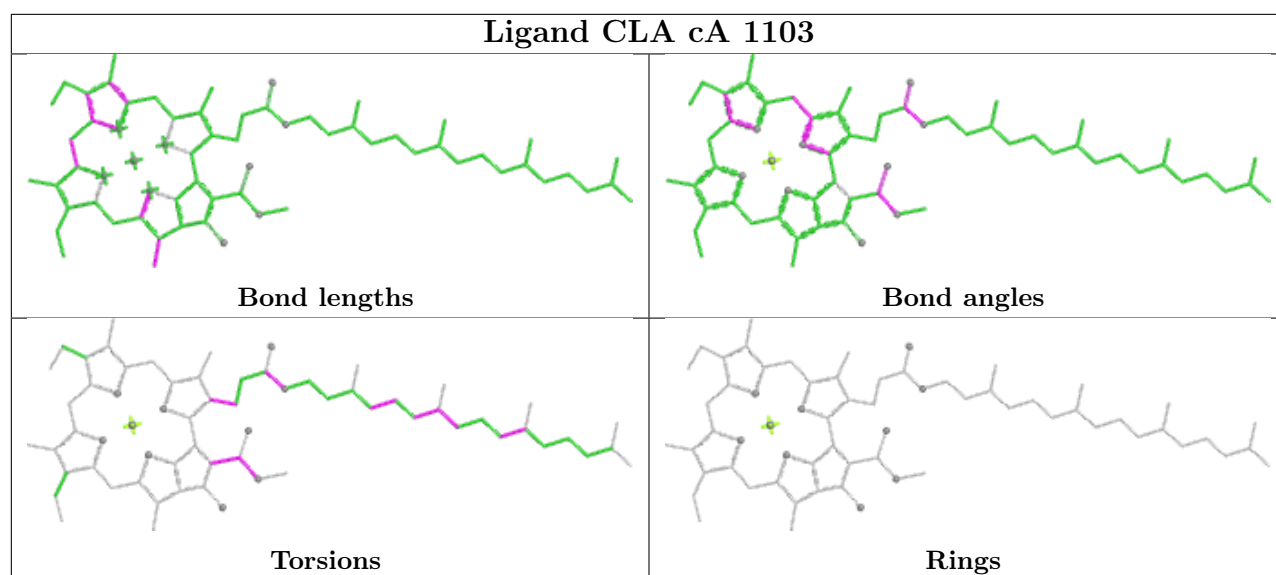
Bond angles



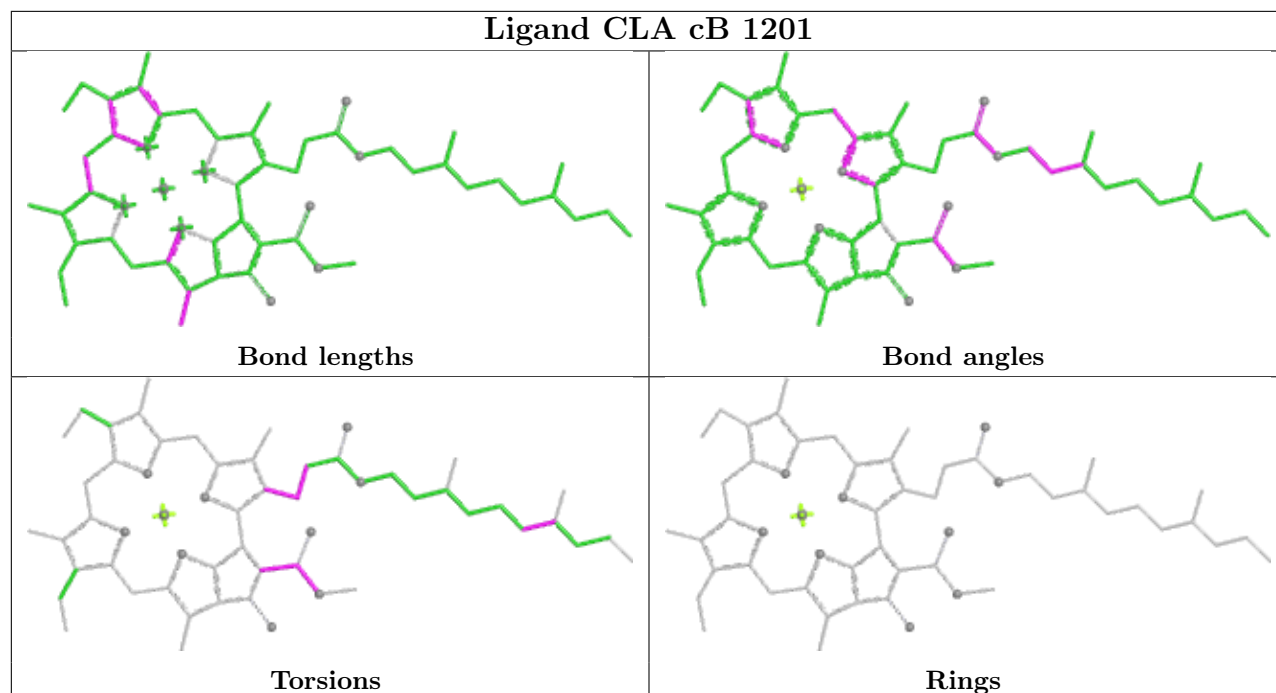
Torsions



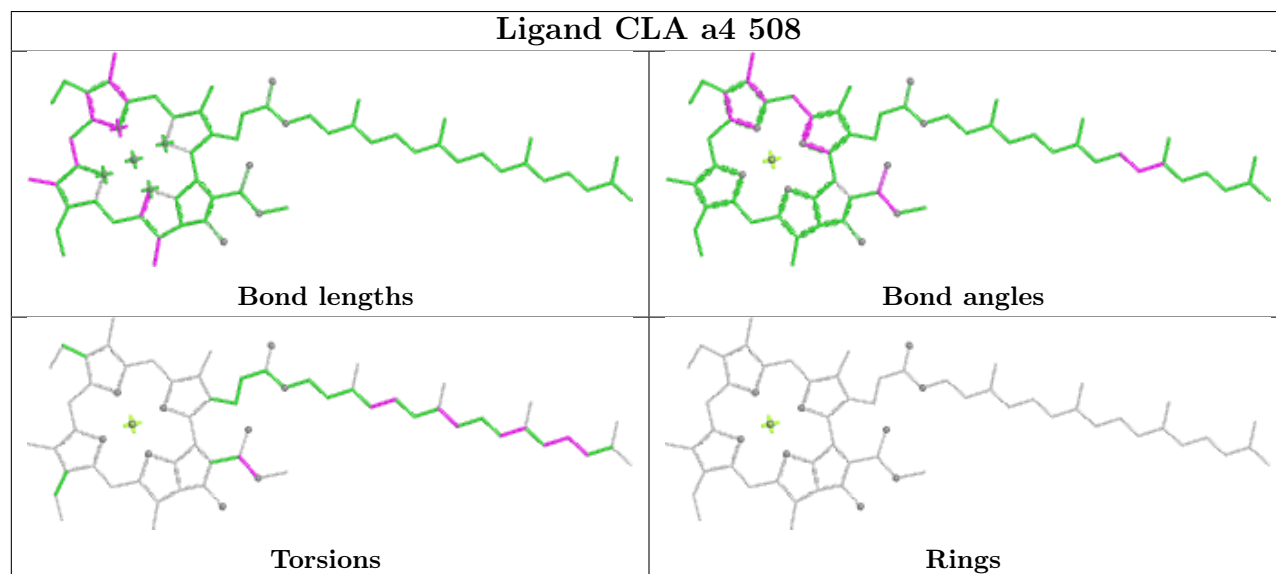
Rings

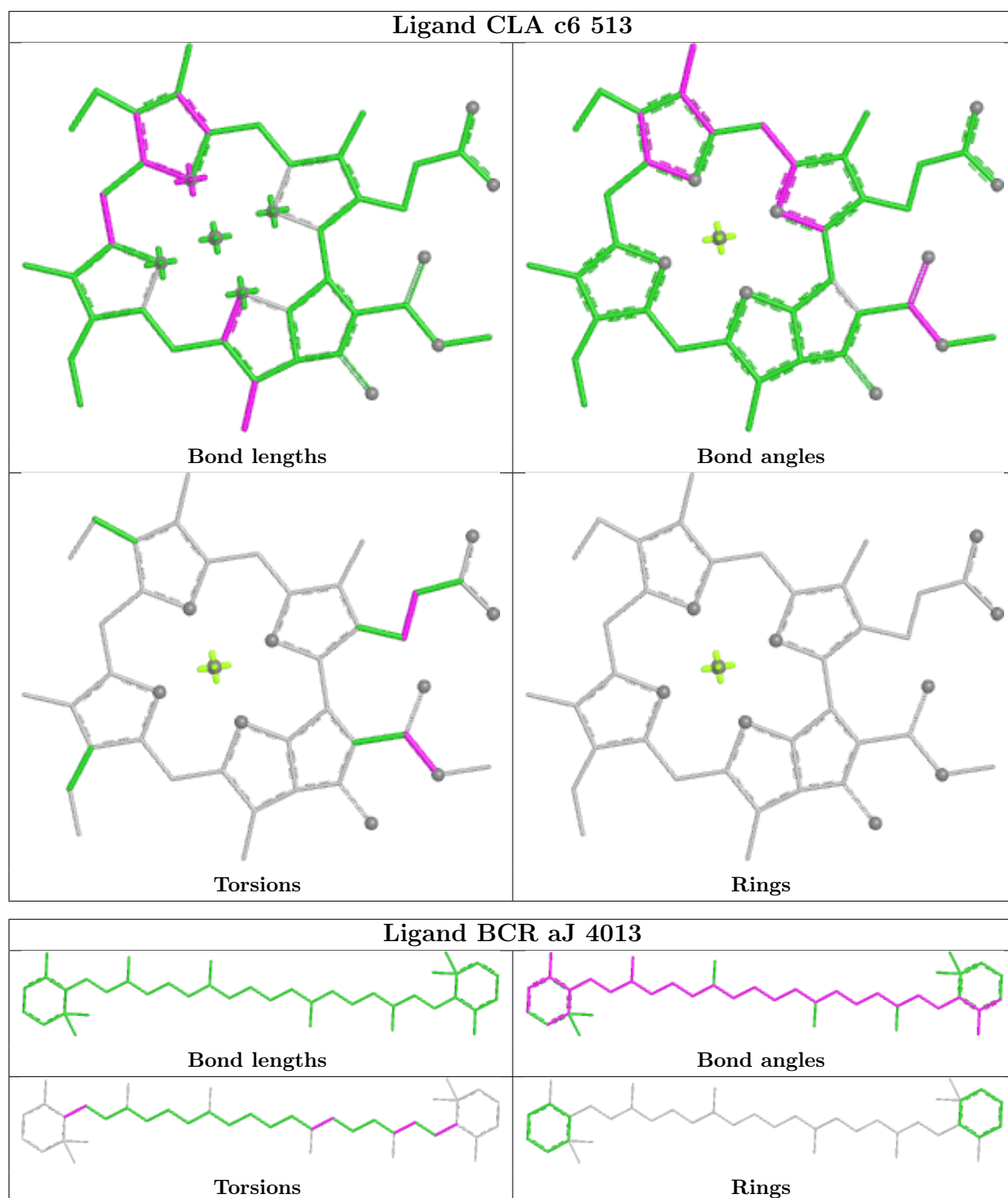


Ligand CLA cB 1201

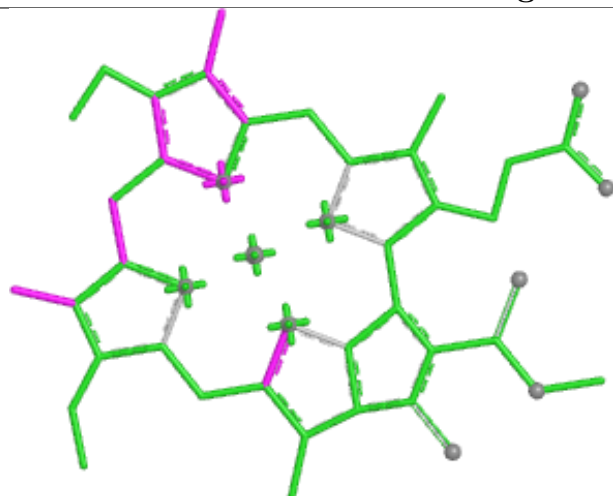


Ligand CLA a4 508





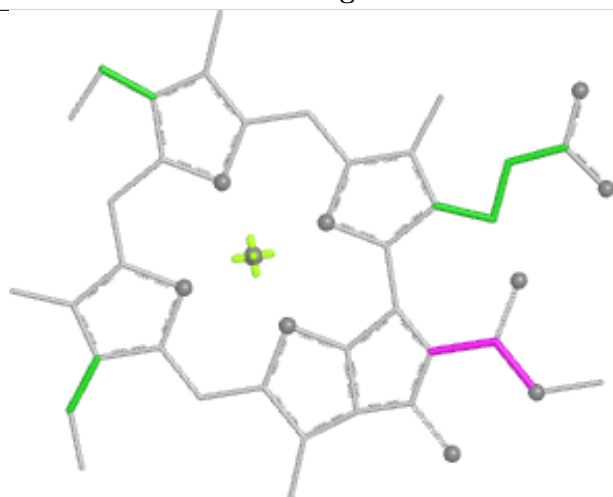
Ligand CLA S 506



Bond lengths



Bond angles

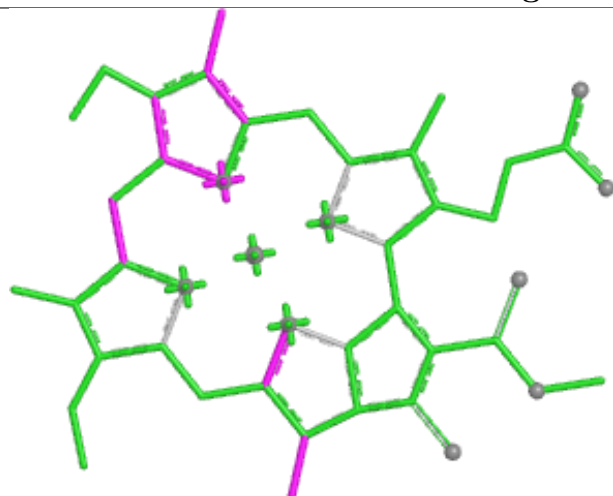


Torsions

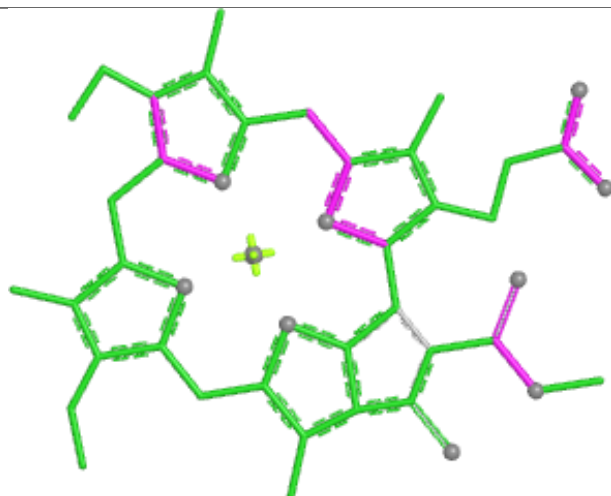


Rings

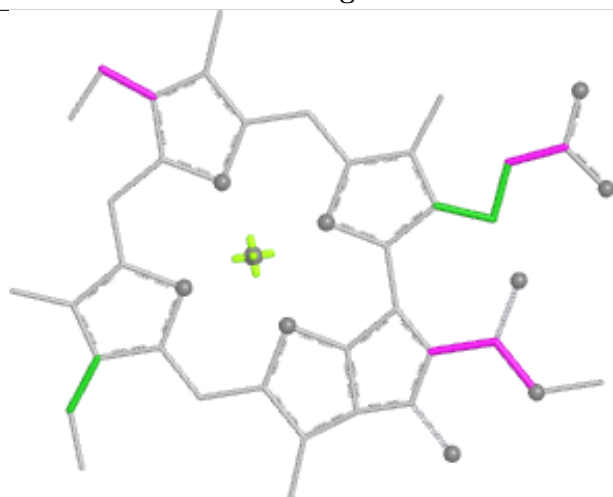
Ligand CLA i 516



Bond lengths



Bond angles

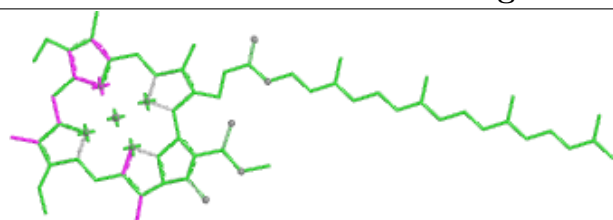


Torsions

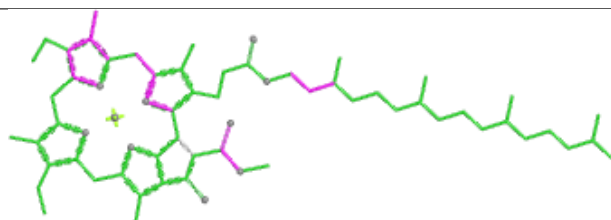


Rings

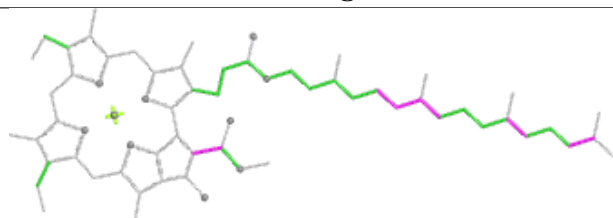
Ligand CLA cB 1223



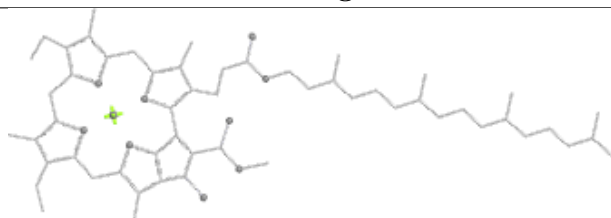
Bond lengths



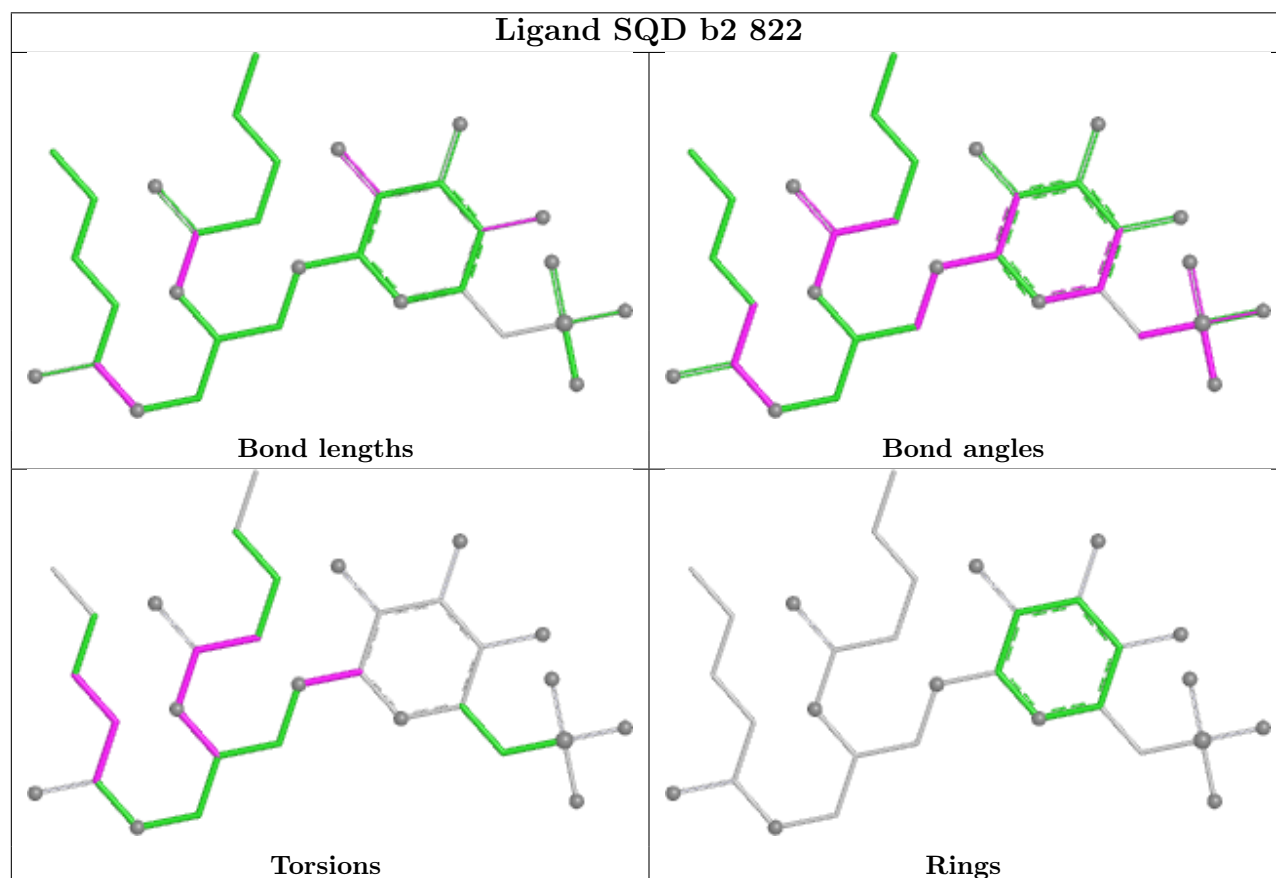
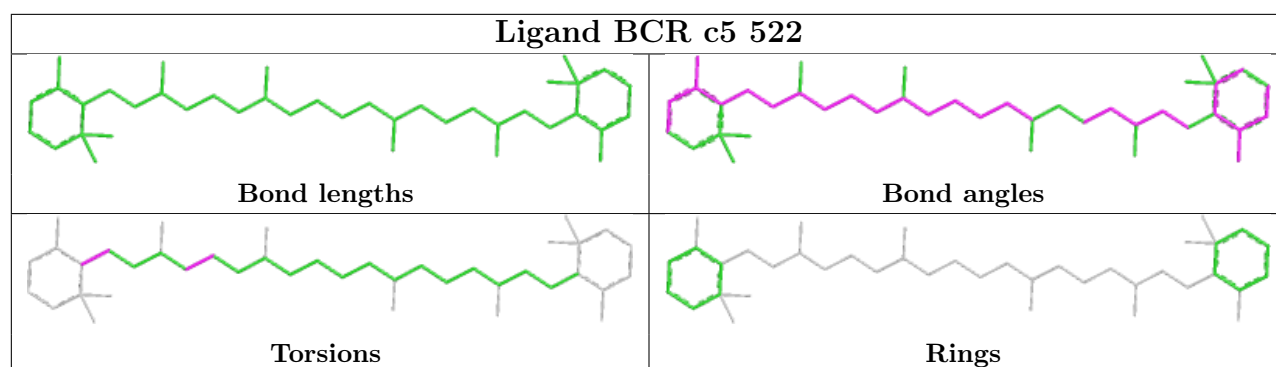
Bond angles

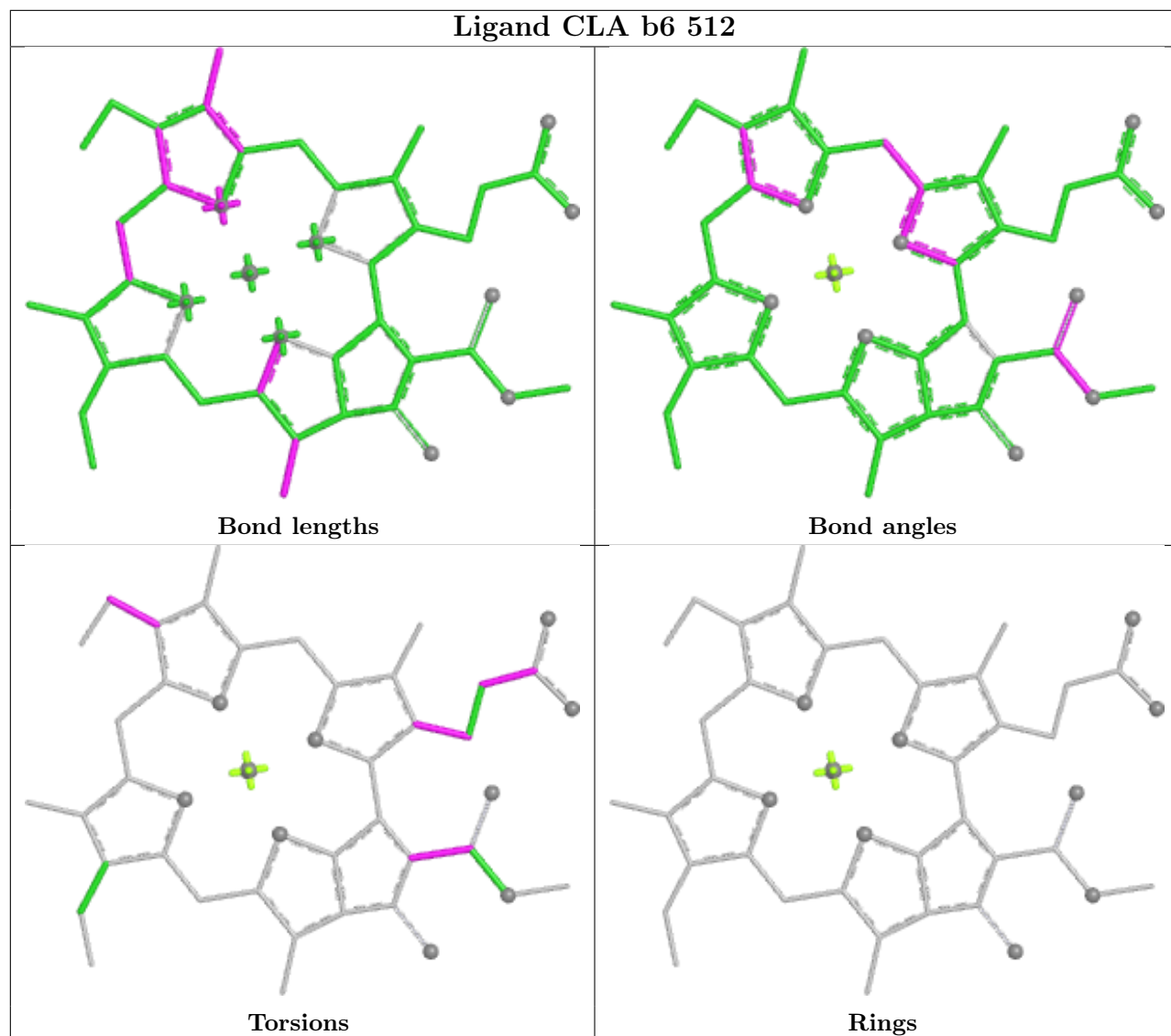


Torsions

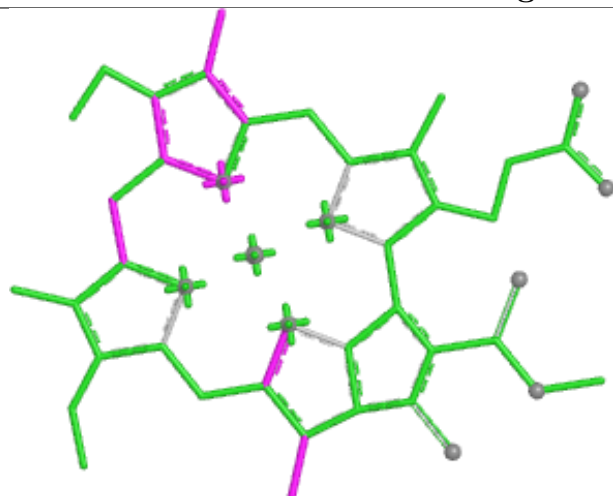


Rings





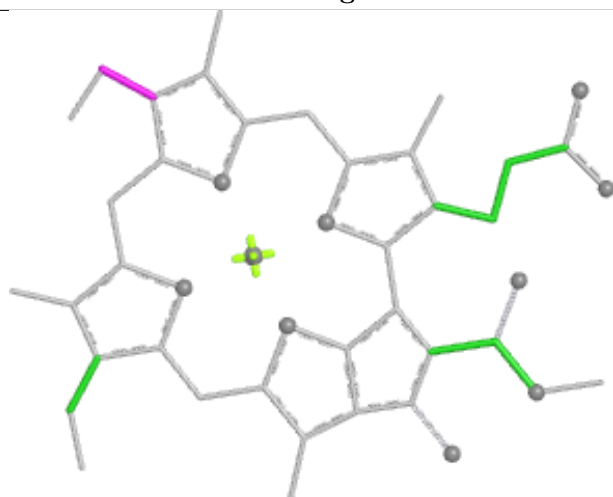
Ligand CLA d 504



Bond lengths



Bond angles

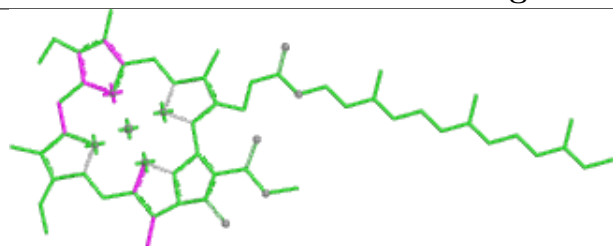


Torsions

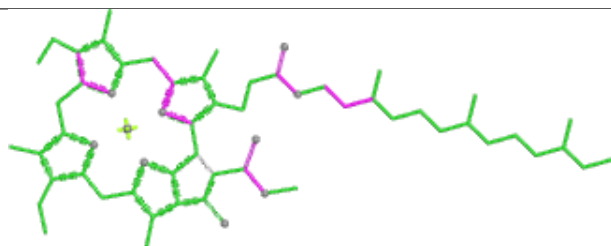


Rings

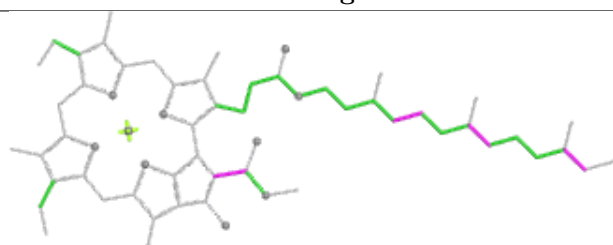
Ligand CLA a2 507



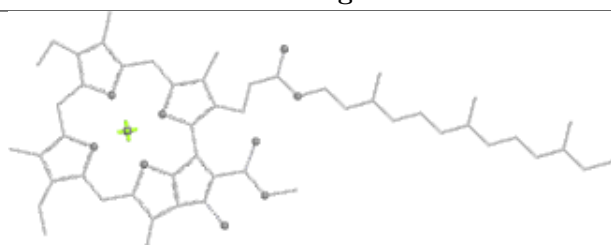
Bond lengths



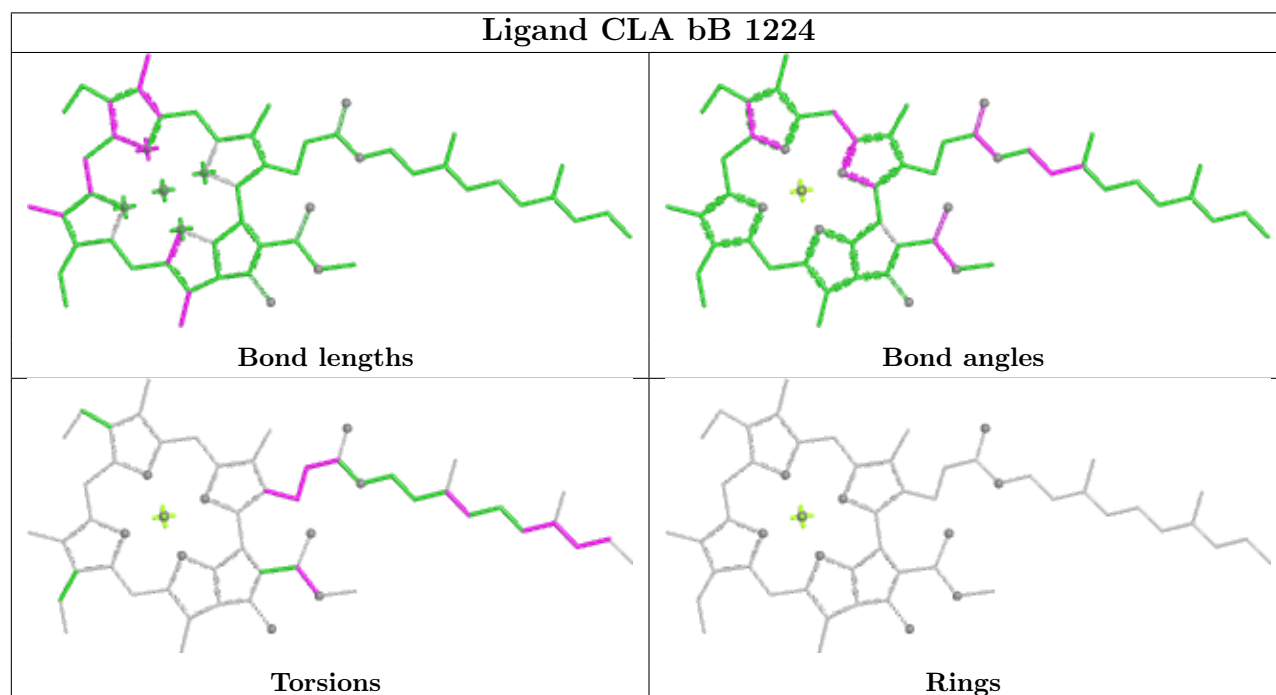
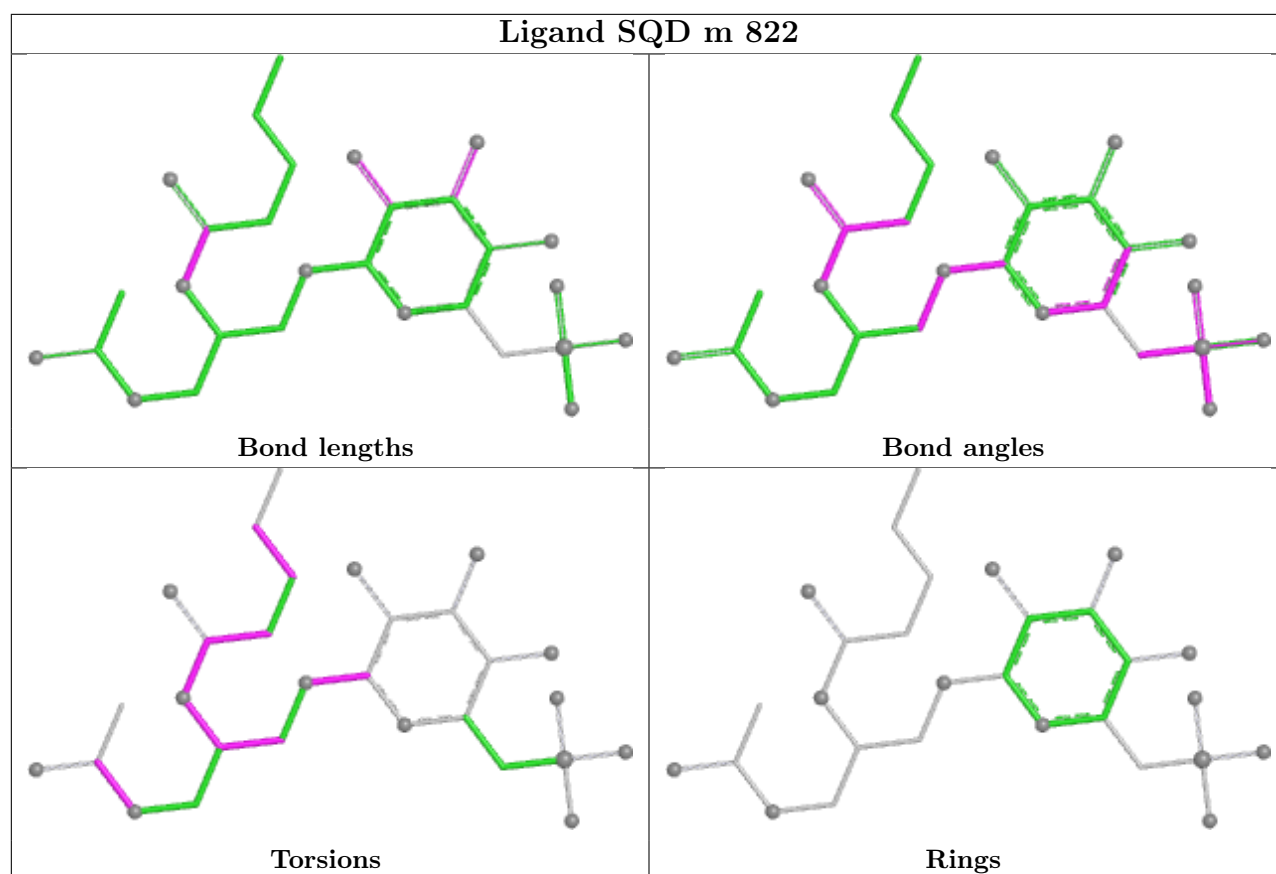
Bond angles

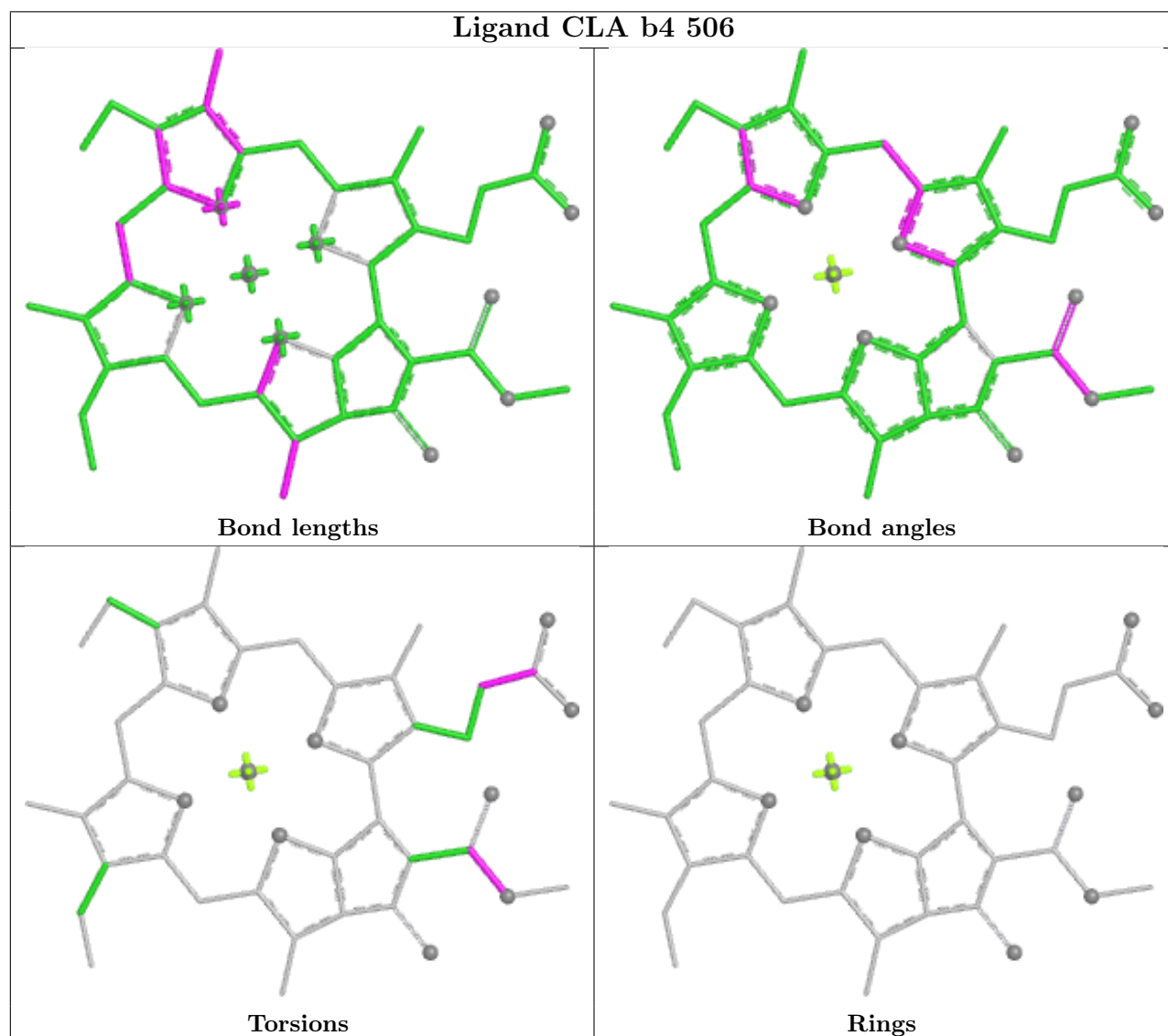
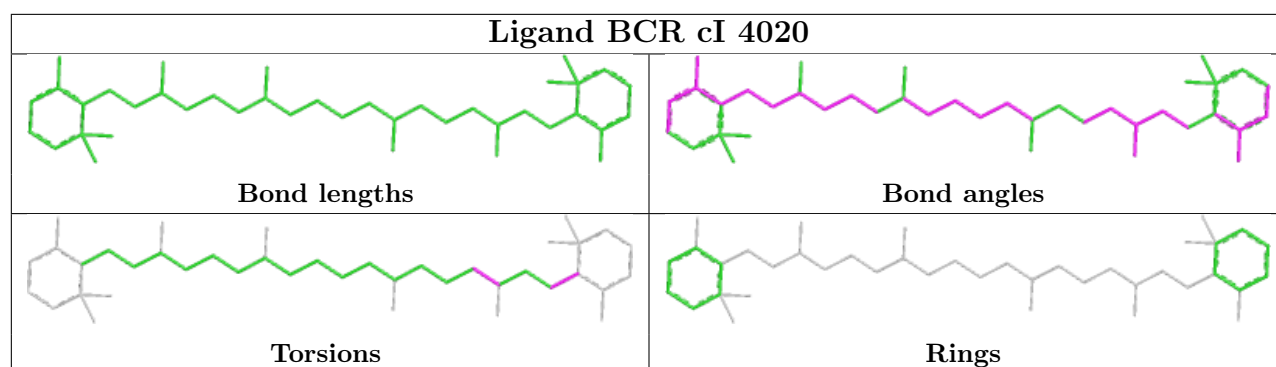


Torsions

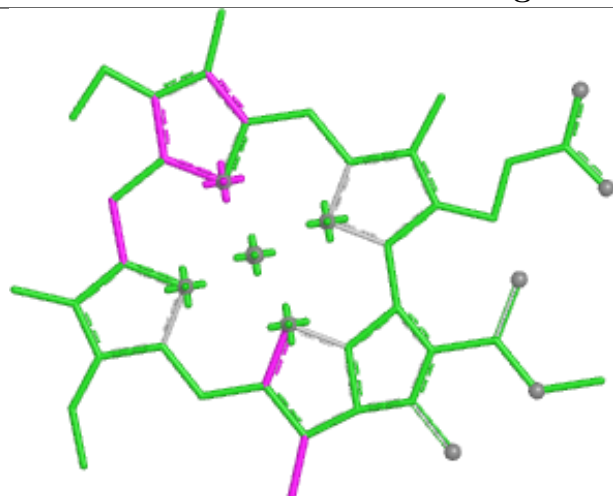


Rings

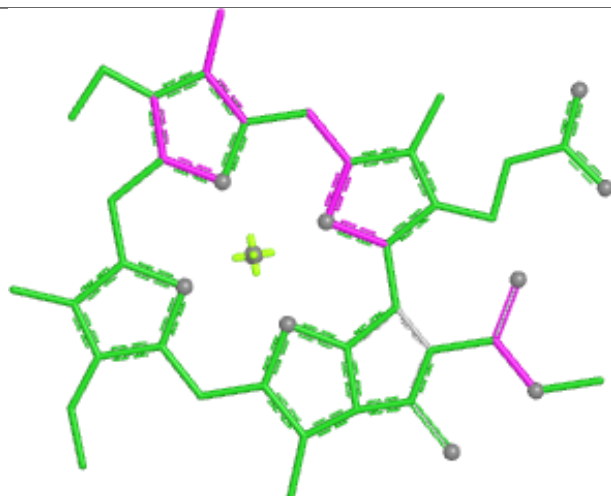




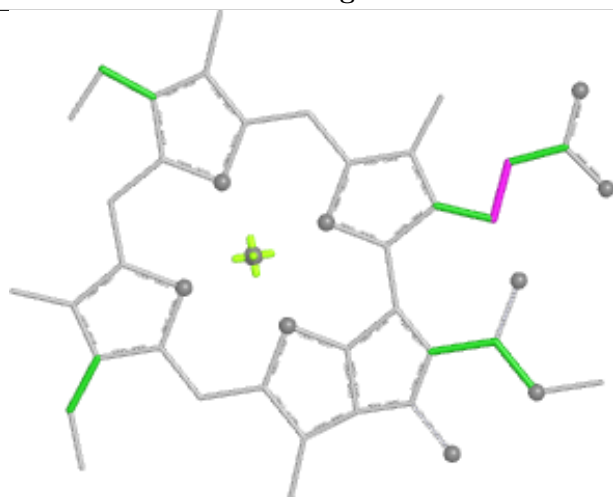
Ligand CLA Y 513



Bond lengths



Bond angles

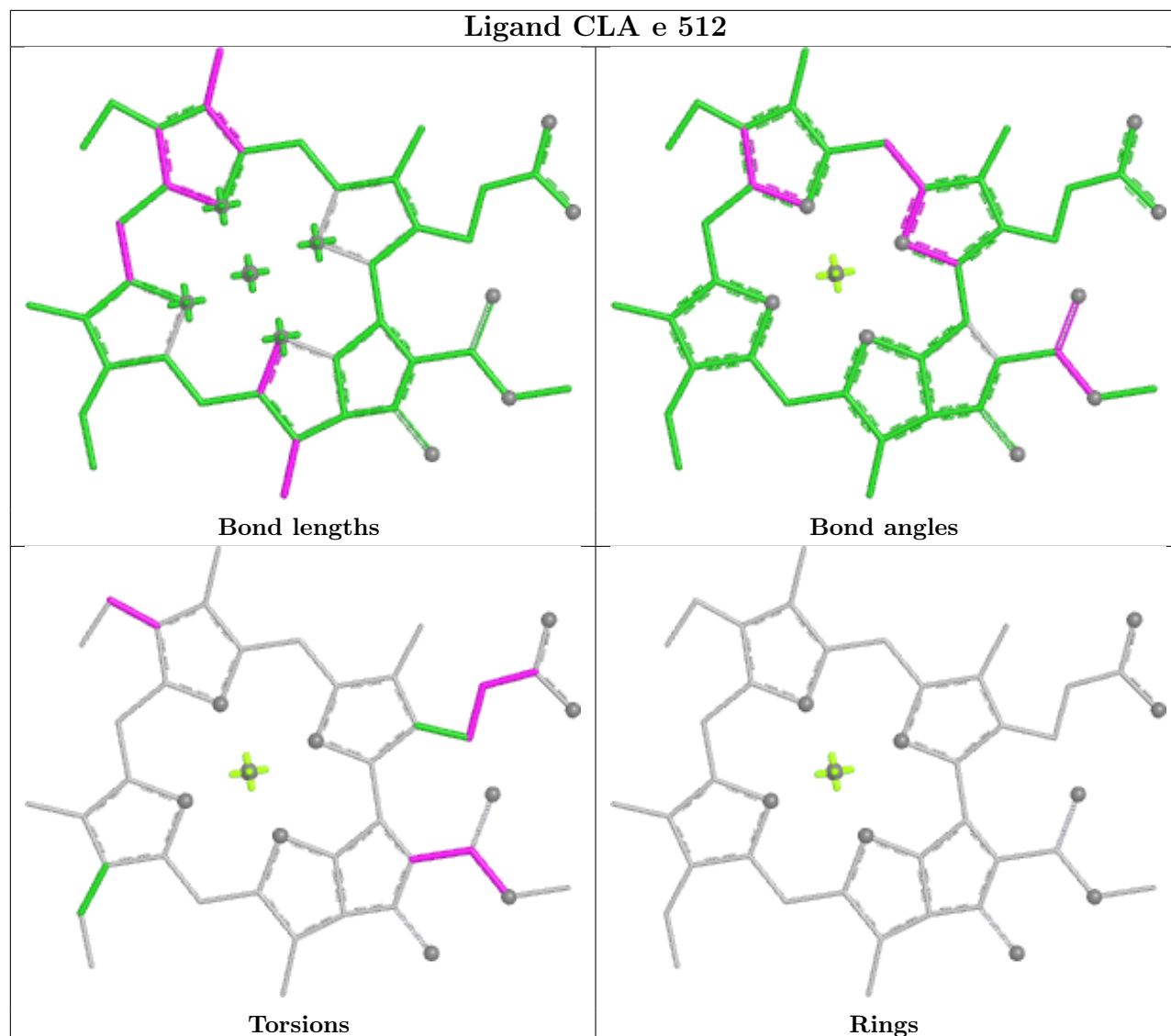


Torsions

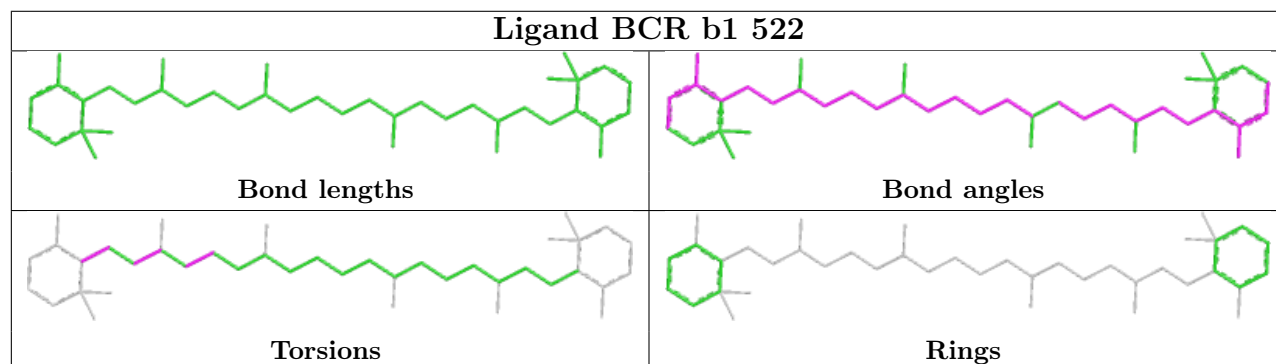


Rings

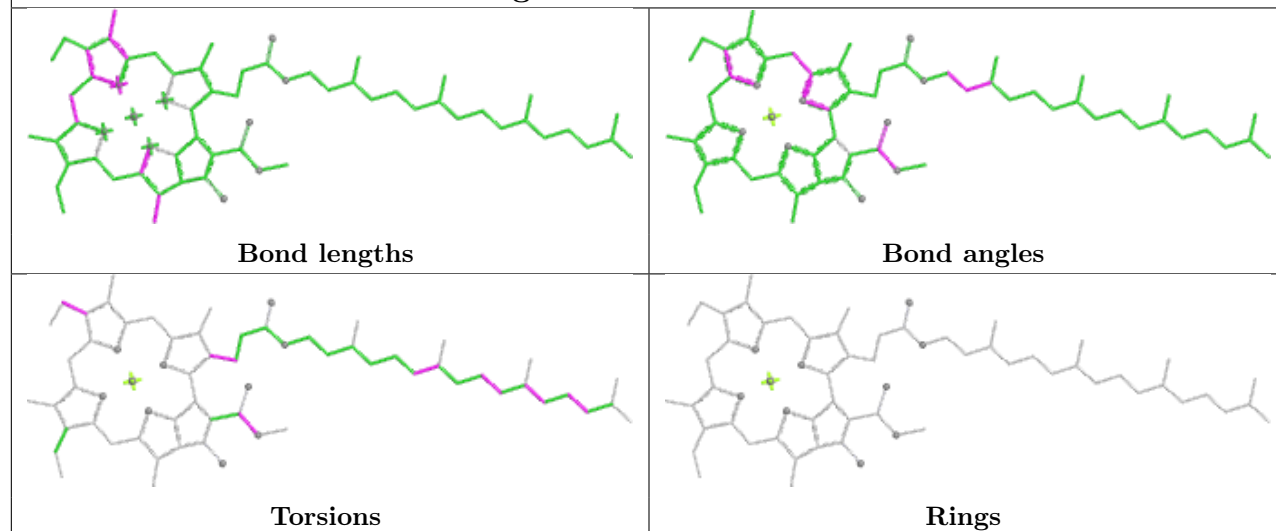
Ligand CLA e 512



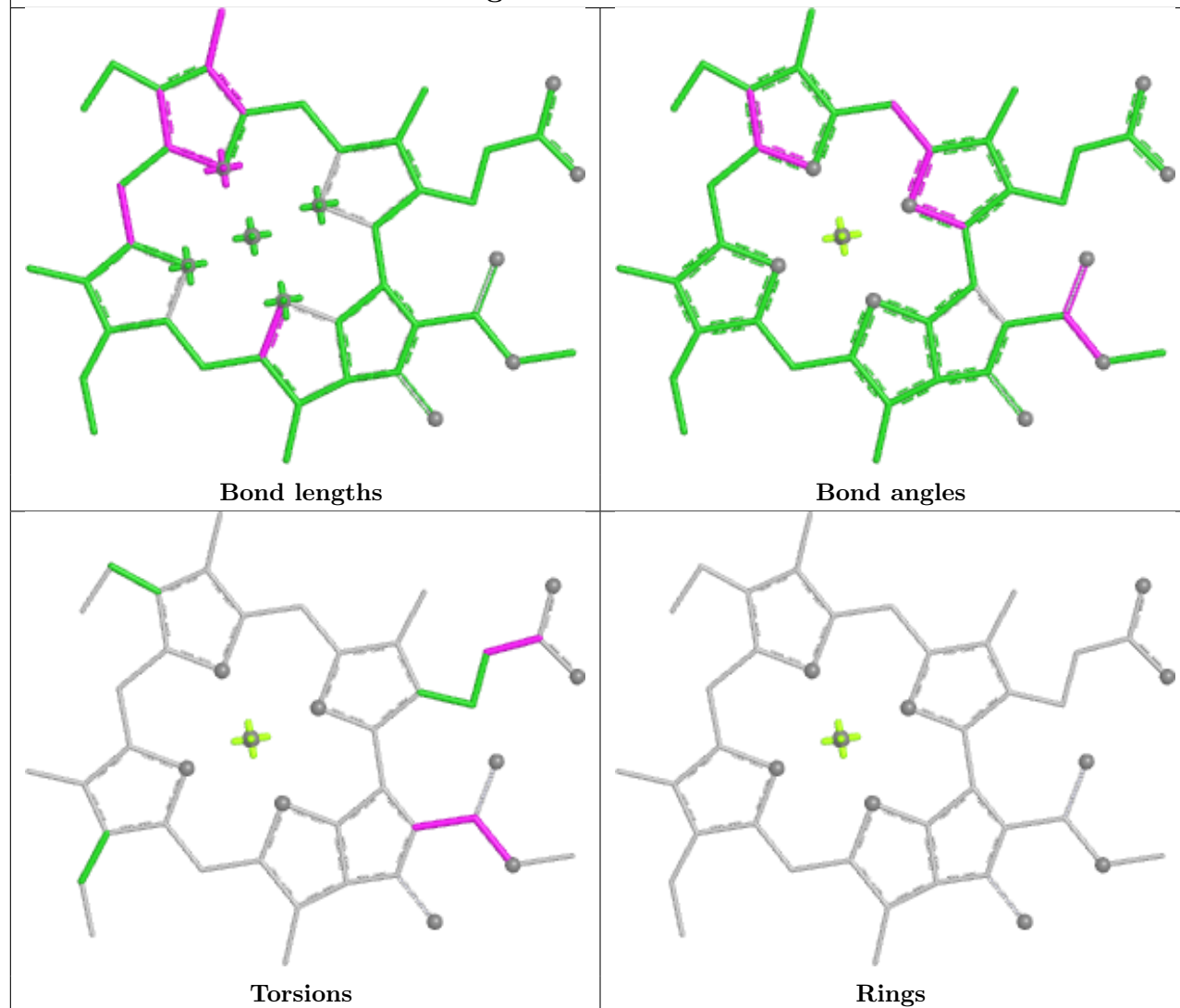
Ligand BCR b1 522

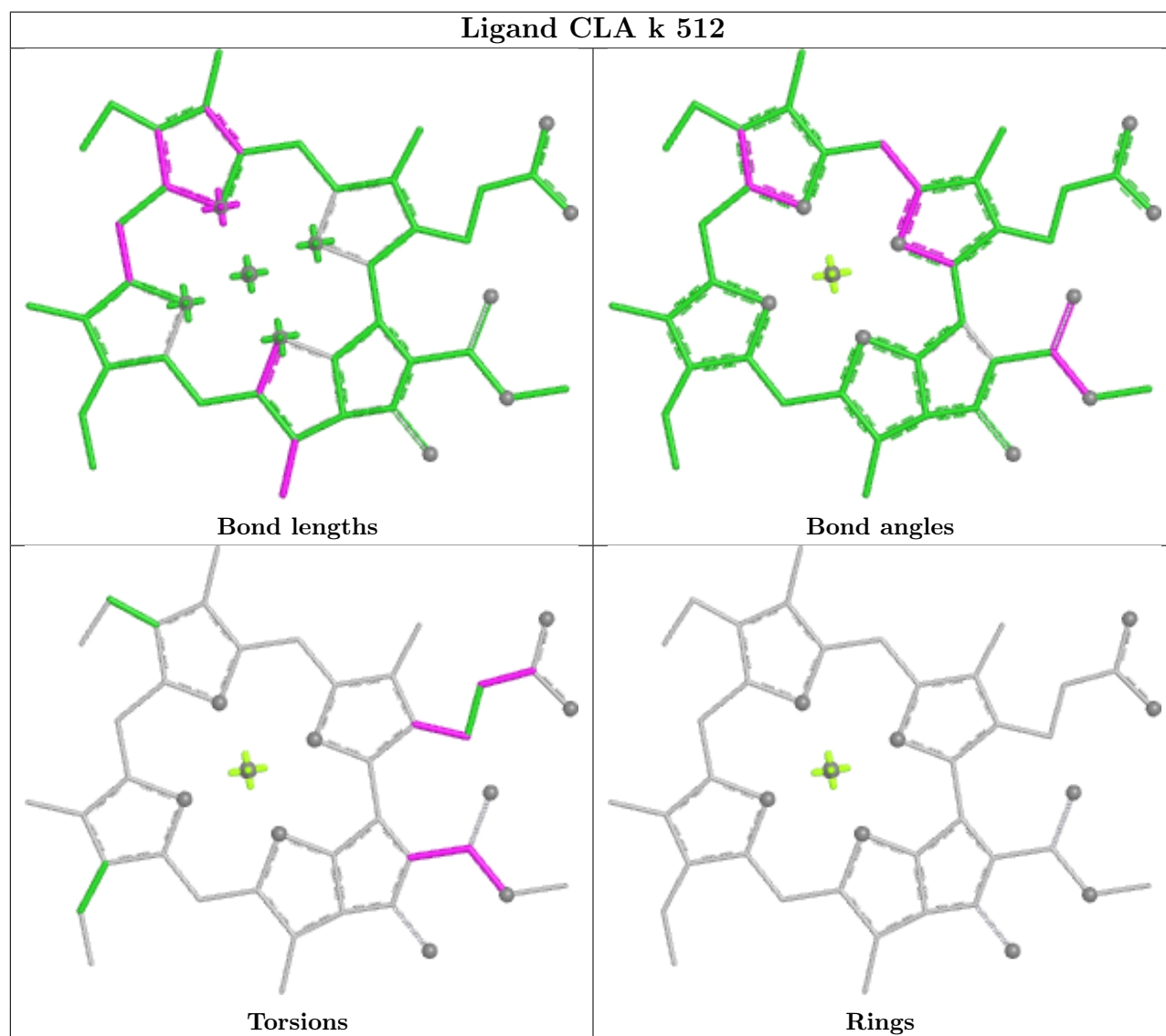
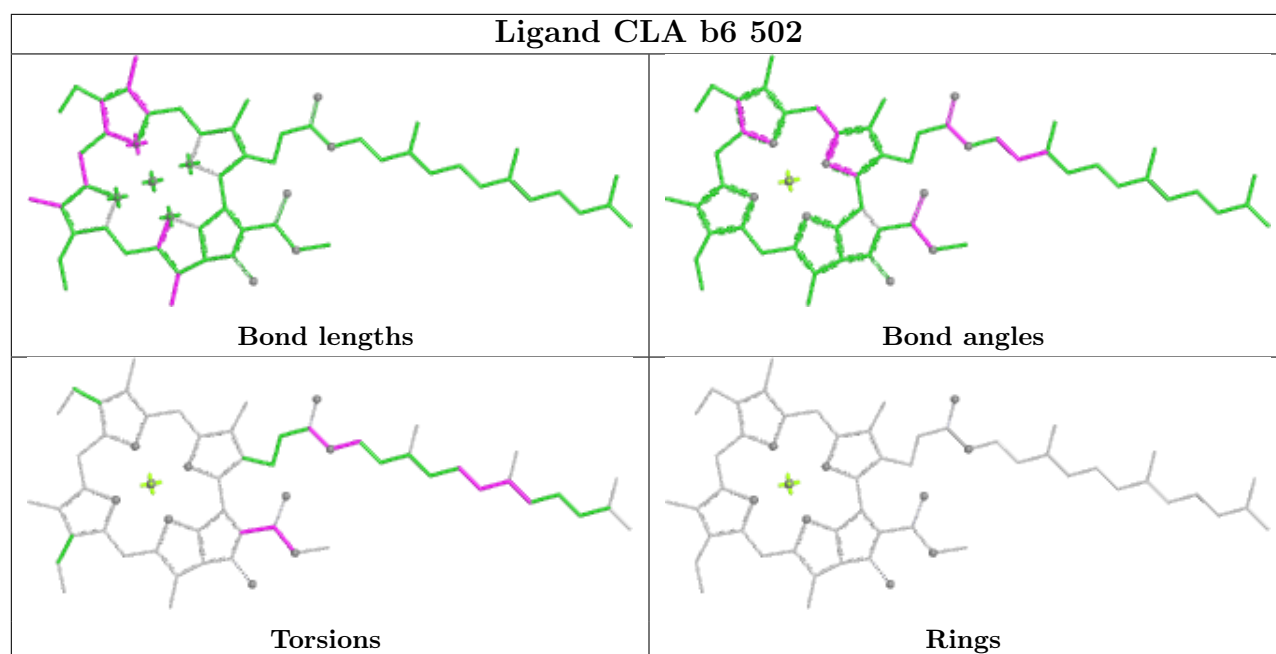


Ligand CLA bA 1104

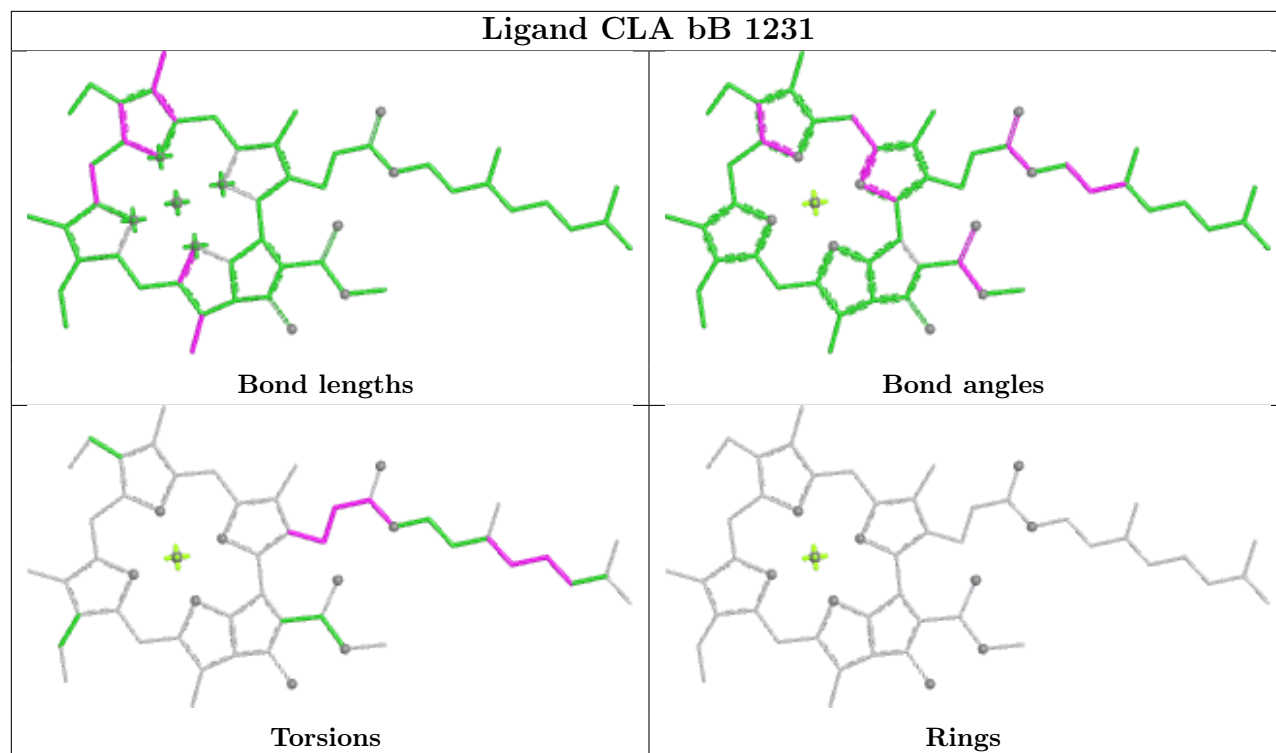


Ligand CLA b6 506

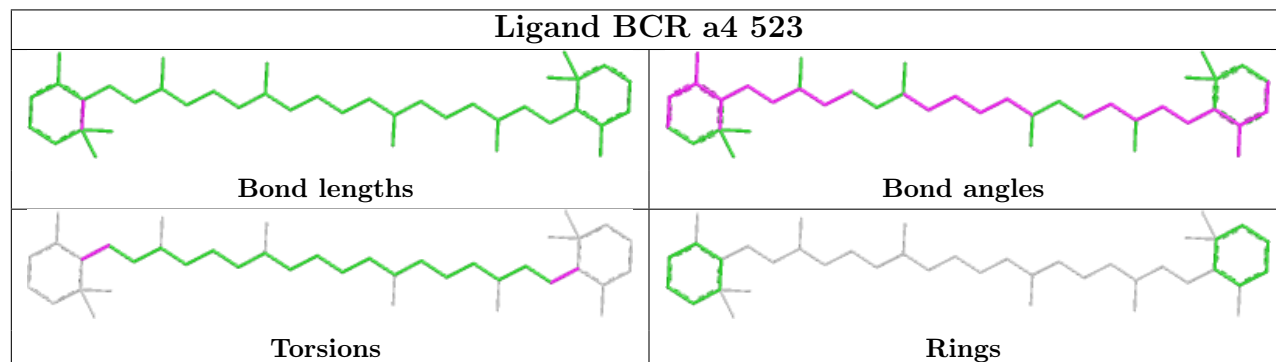




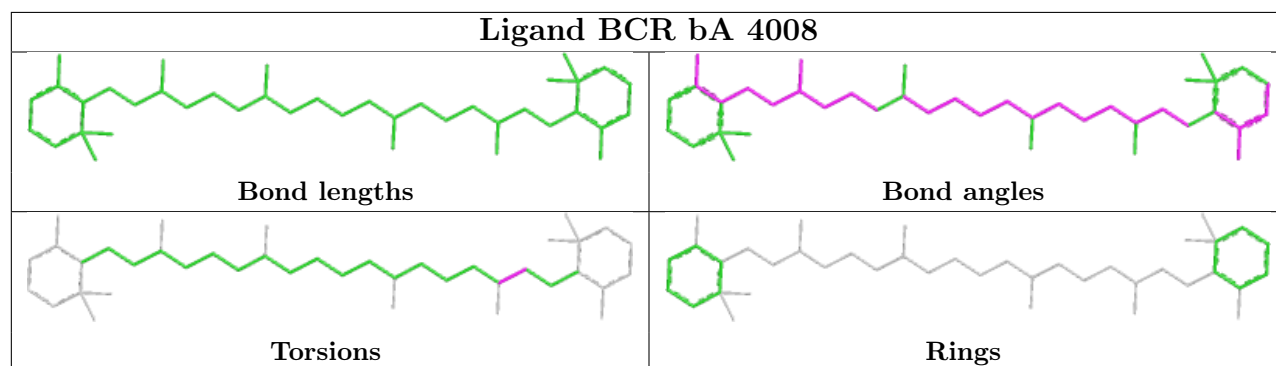
Ligand CLA bB 1231

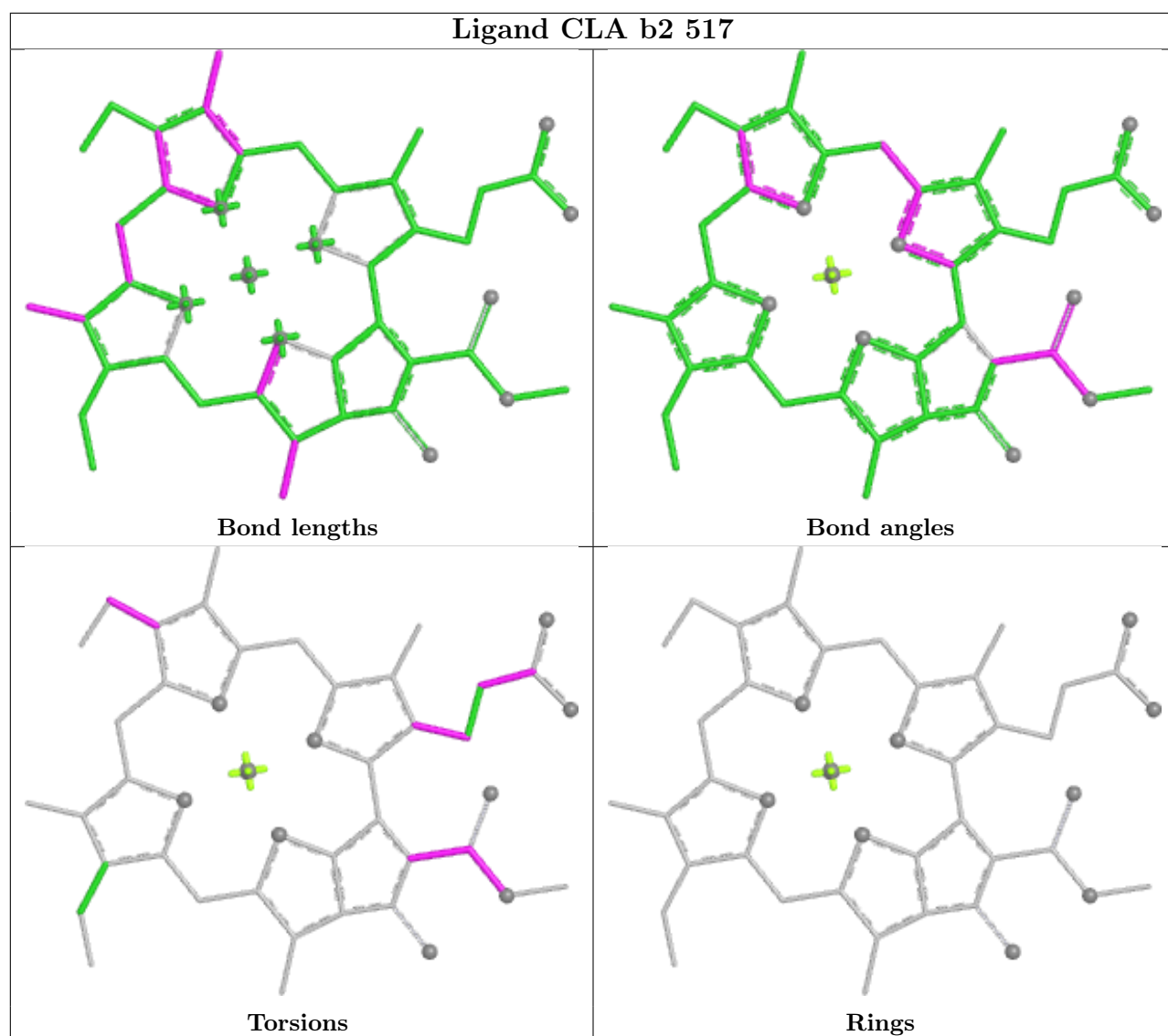


Ligand BCR a4 523

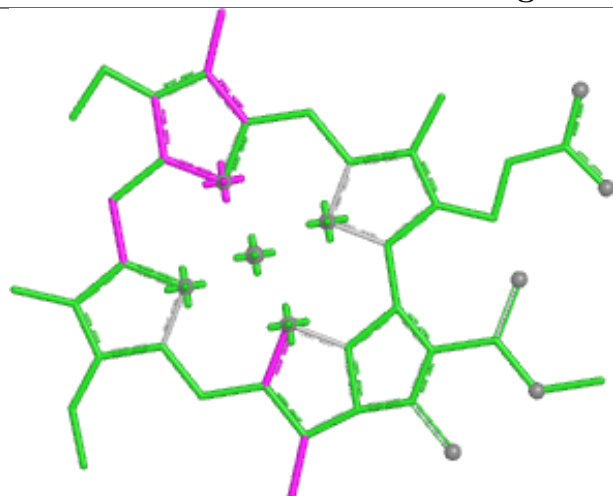


Ligand BCR bA 4008

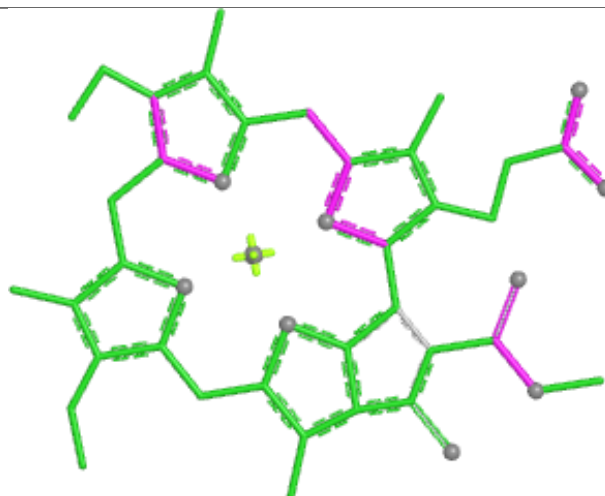




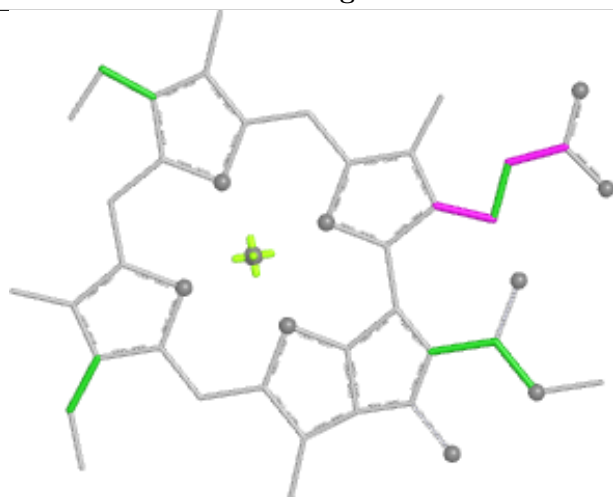
Ligand CLA h 504



Bond lengths



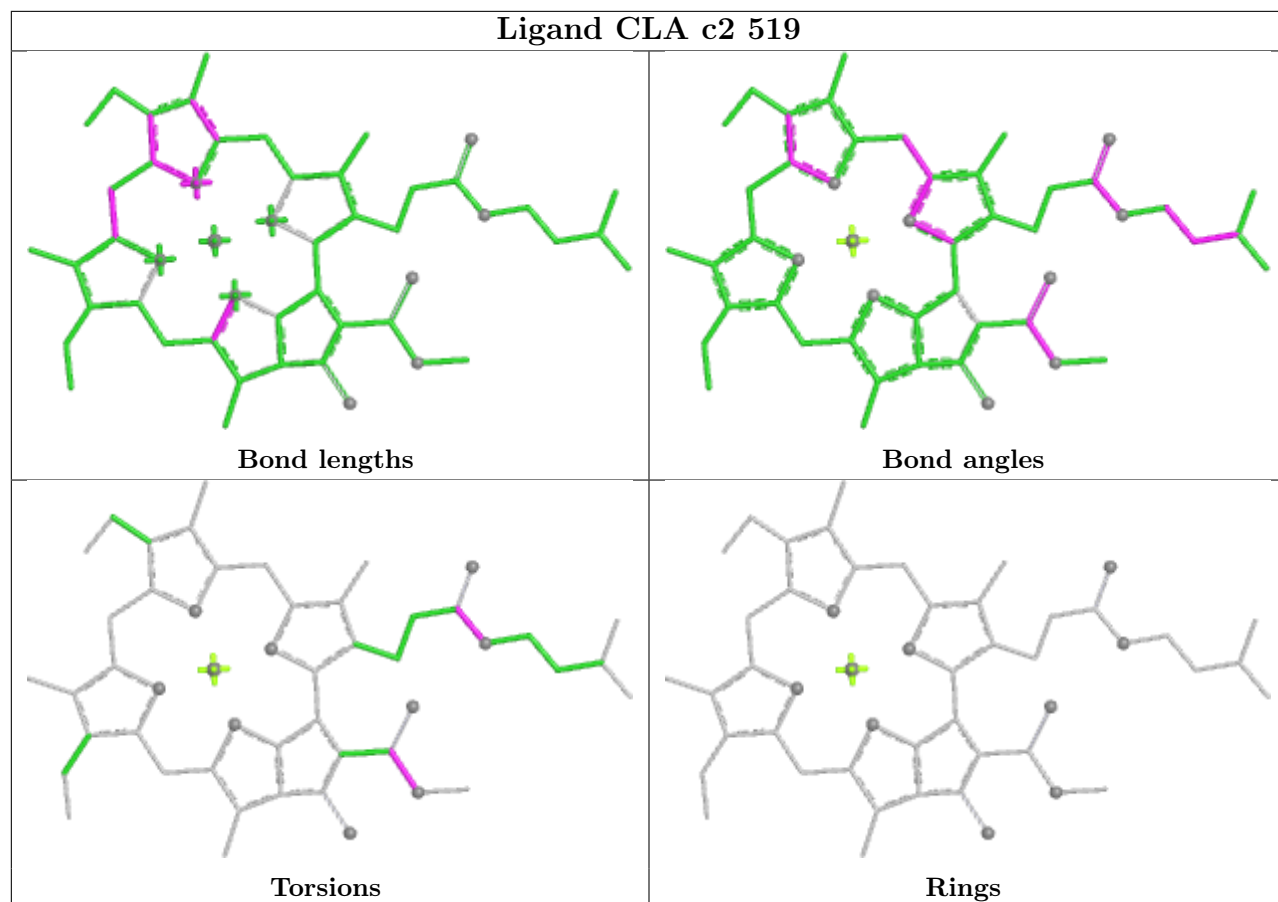
Bond angles

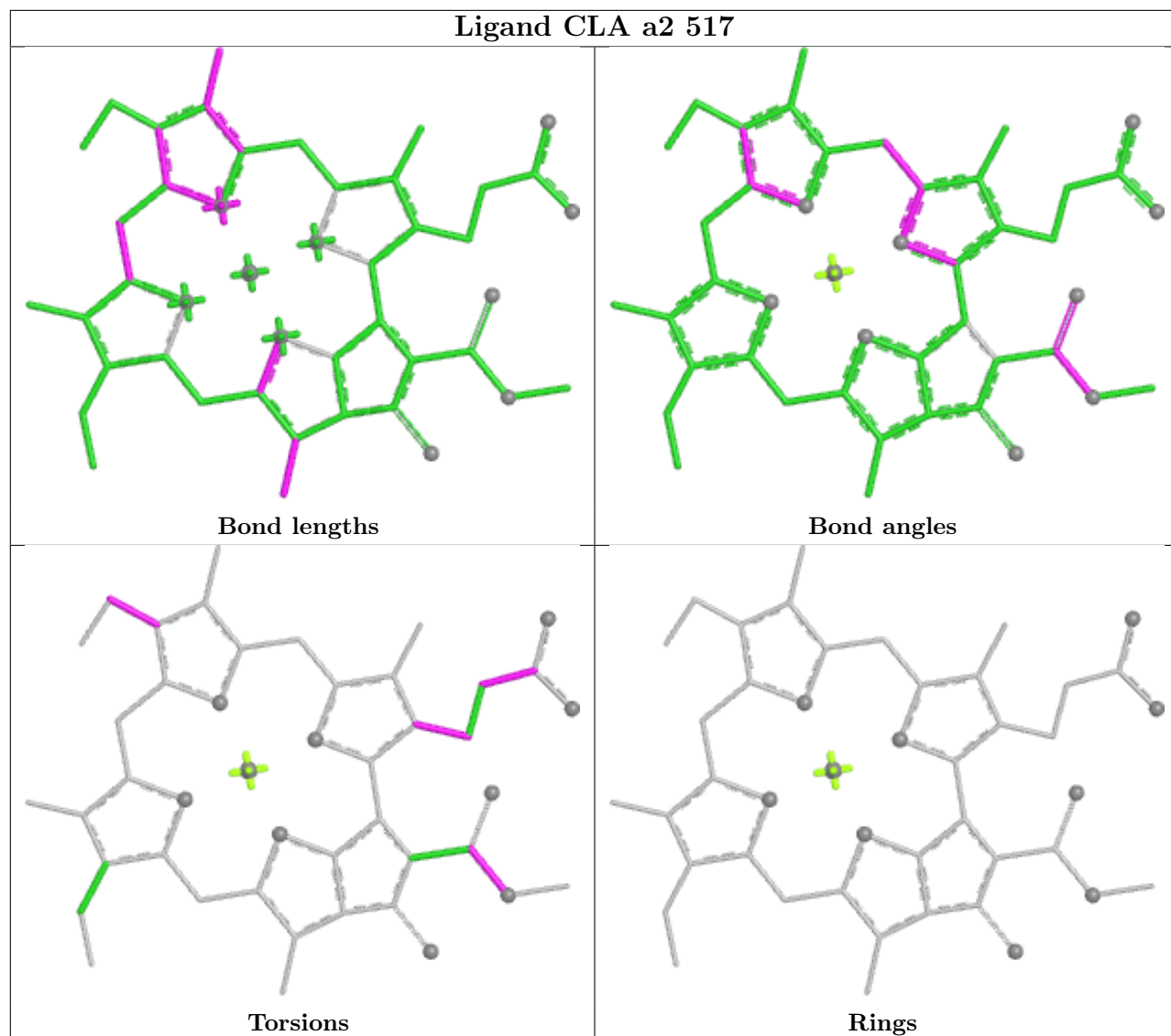


Torsions

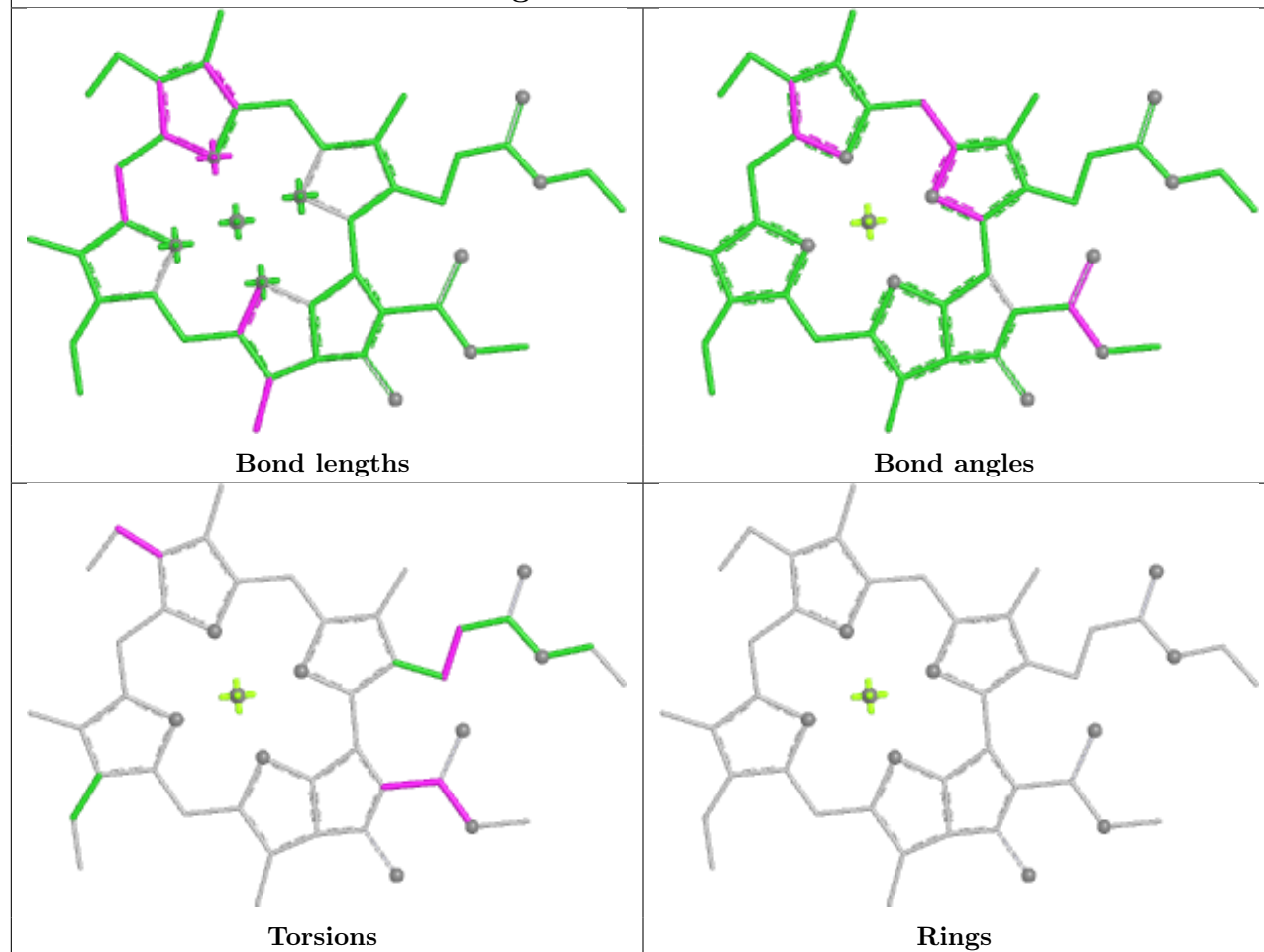


Rings

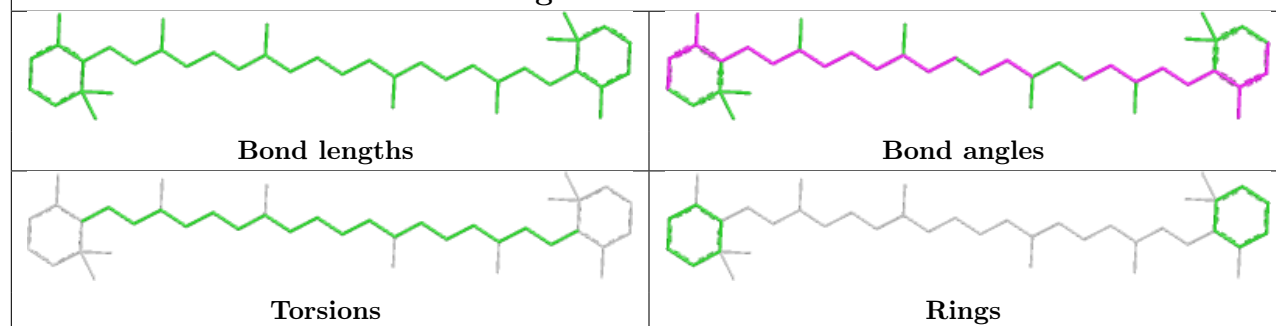




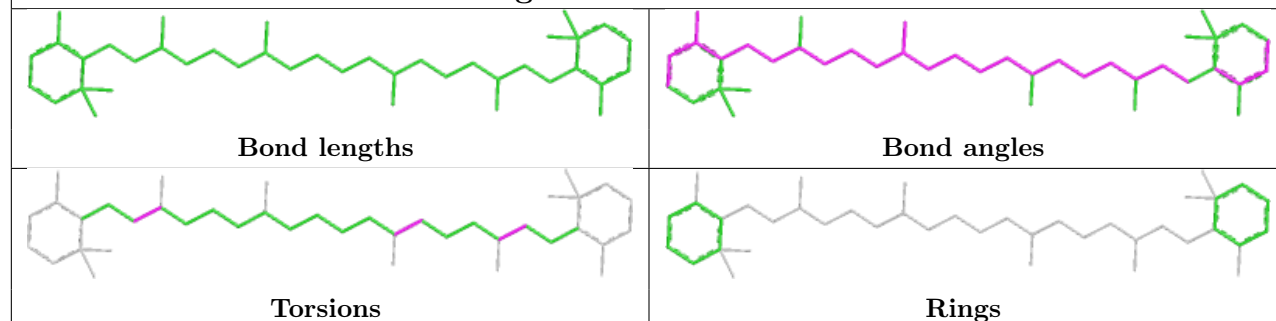
Ligand CLA bJ 1302

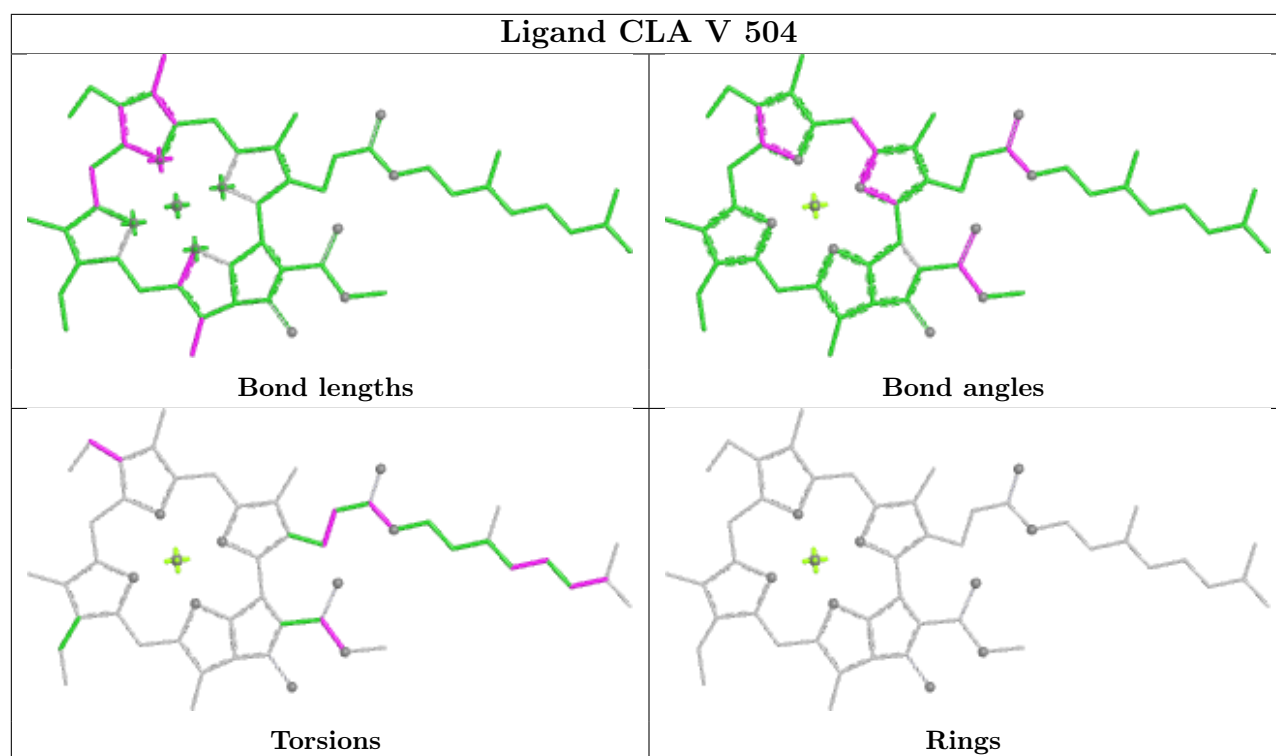


Ligand BCR c 524

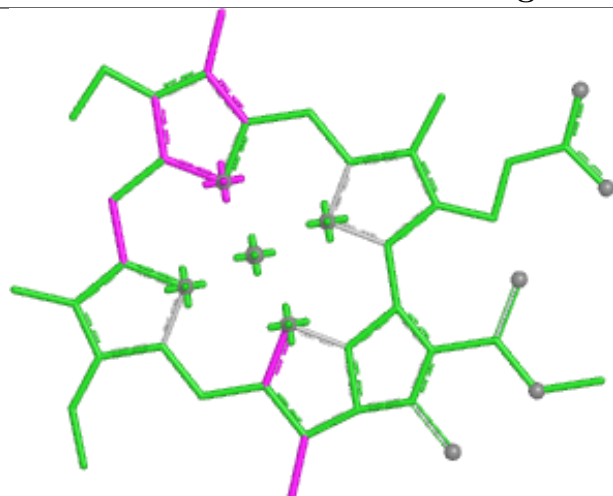


Ligand BCR cF 4014





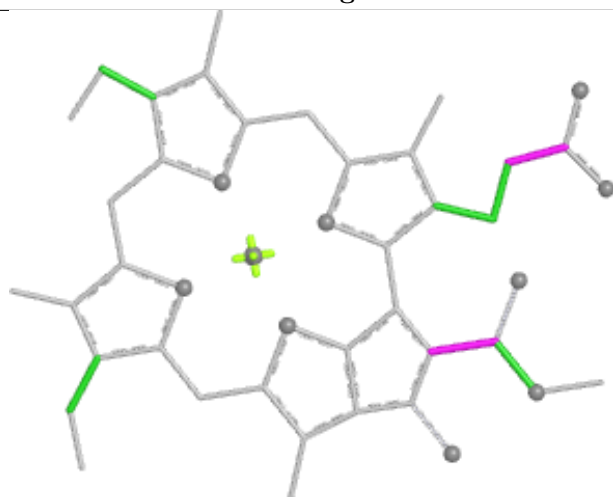
Ligand CLA d 512



Bond lengths



Bond angles

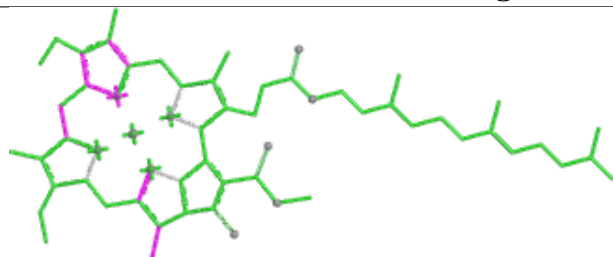


Torsions

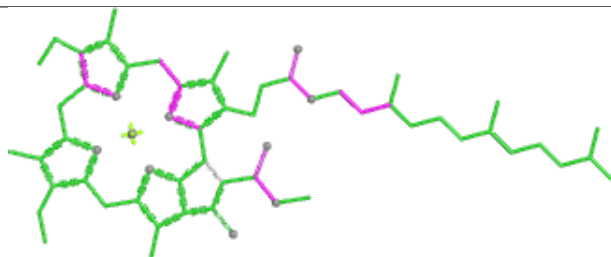


Rings

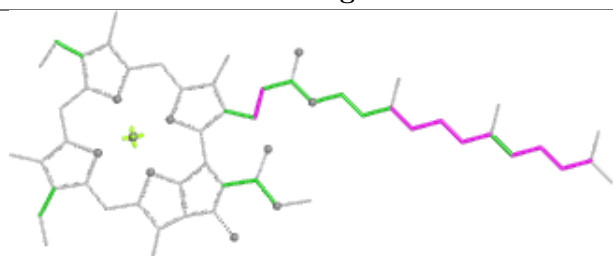
Ligand CLA bA 1115



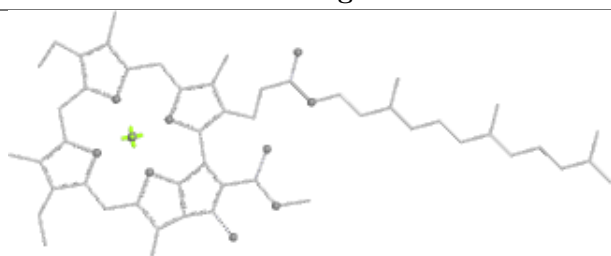
Bond lengths



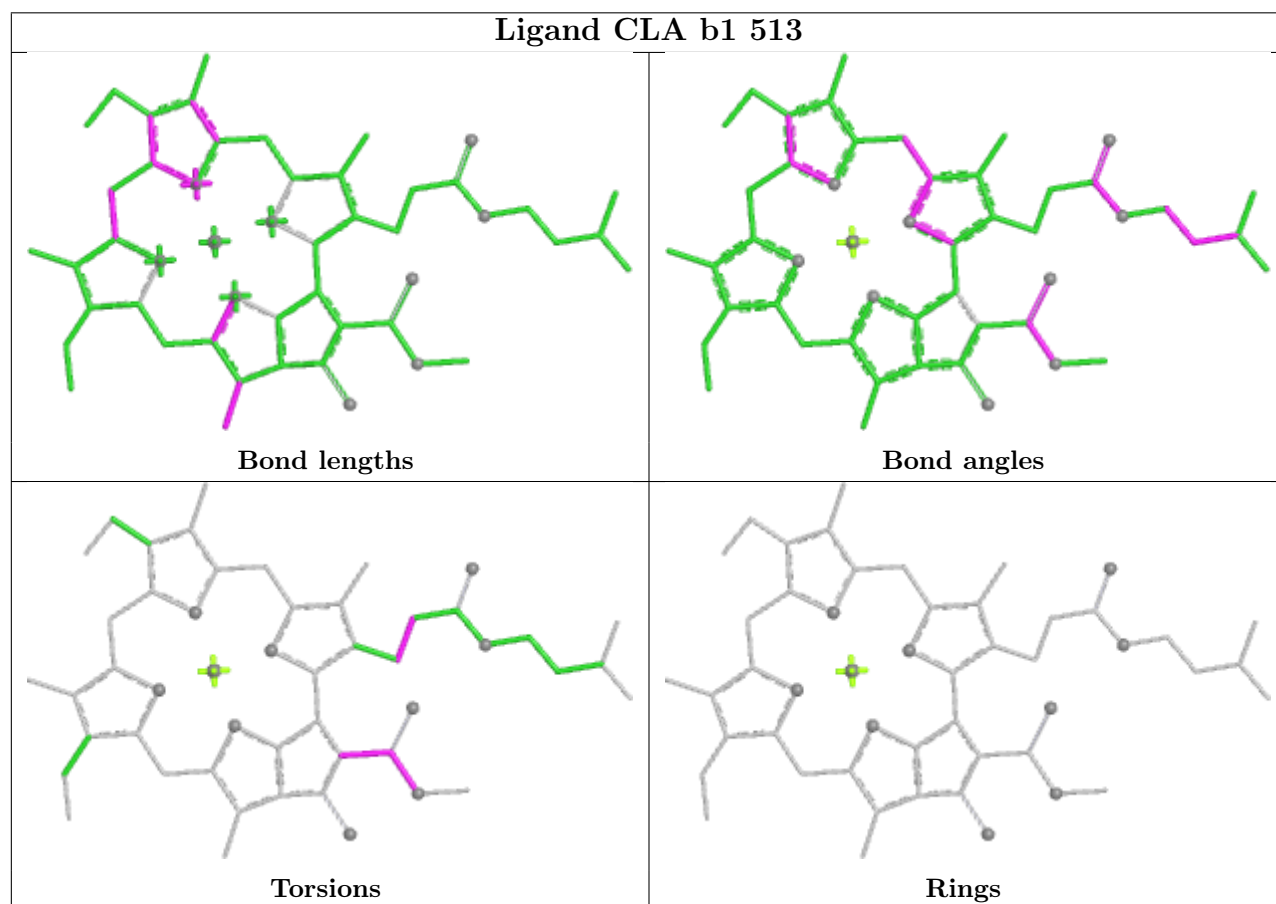
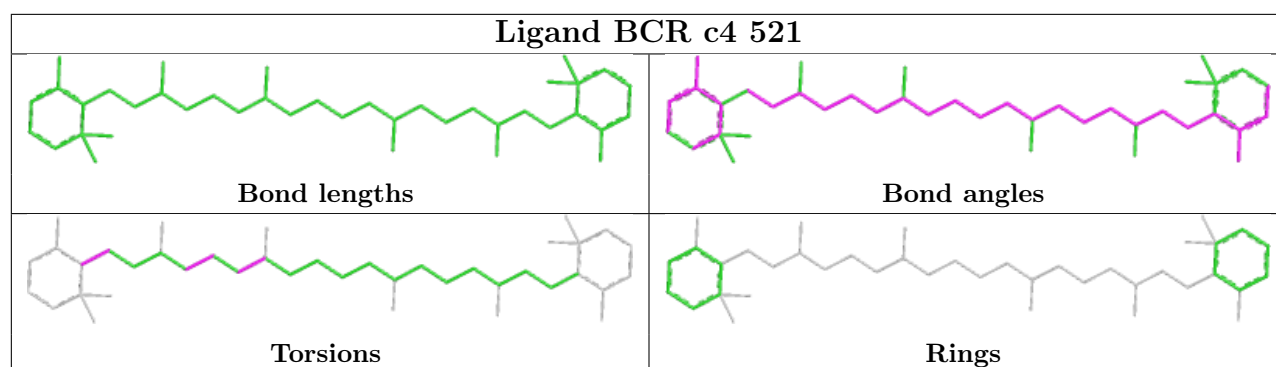
Bond angles



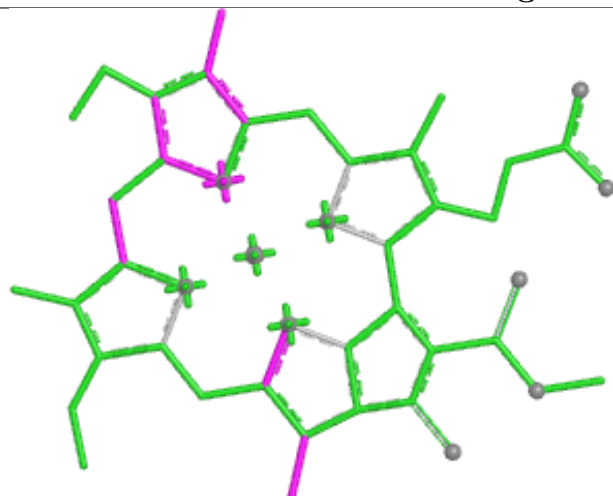
Torsions



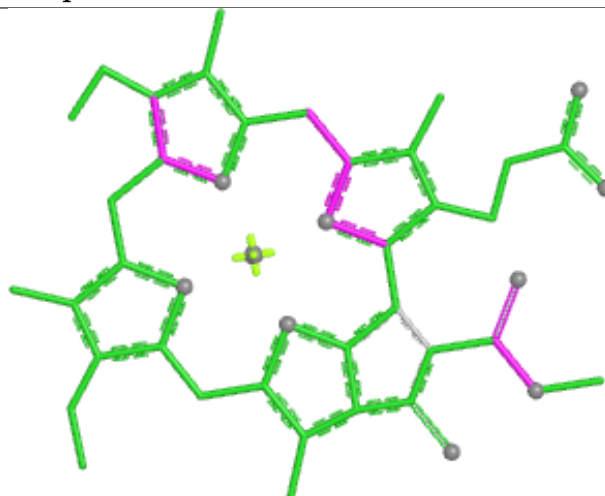
Rings



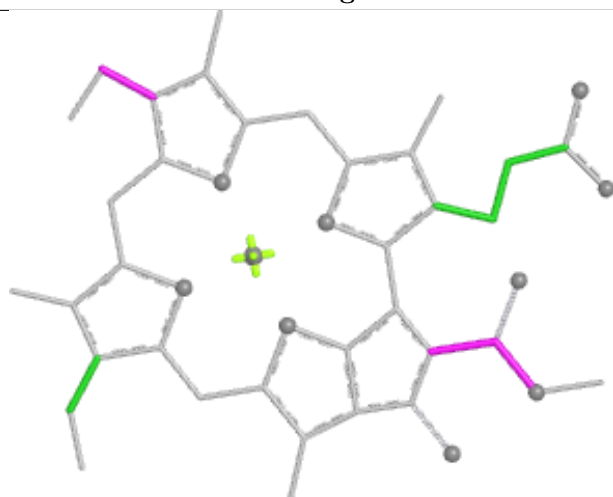
Ligand CLA q 502



Bond lengths



Bond angles

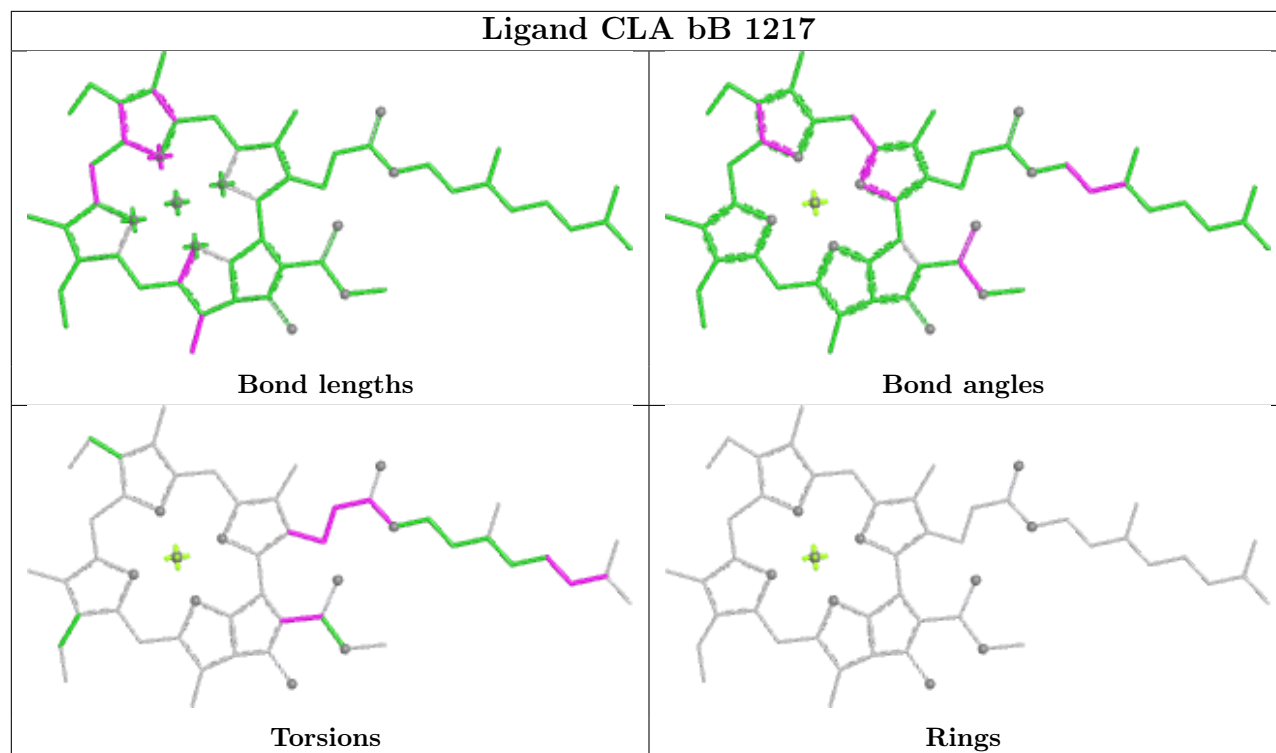


Torsions

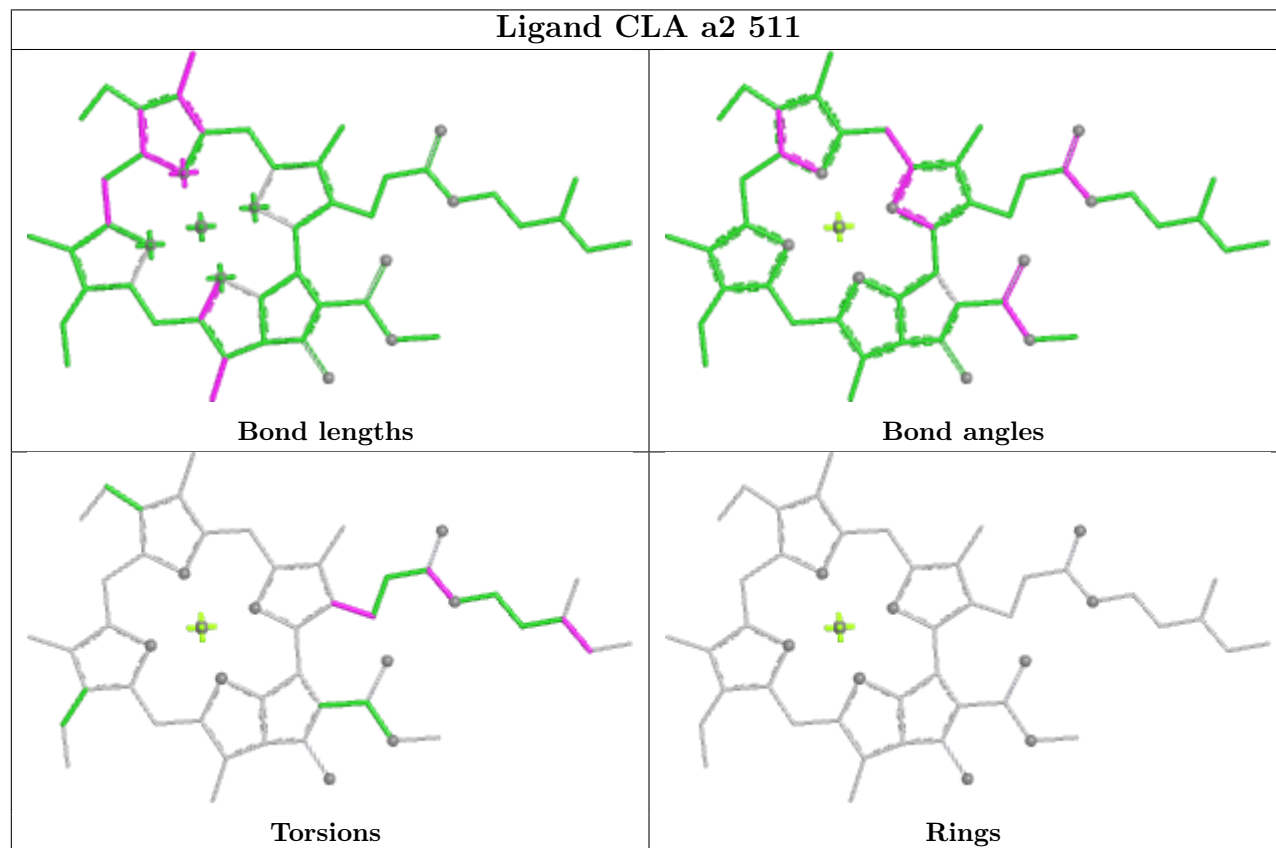


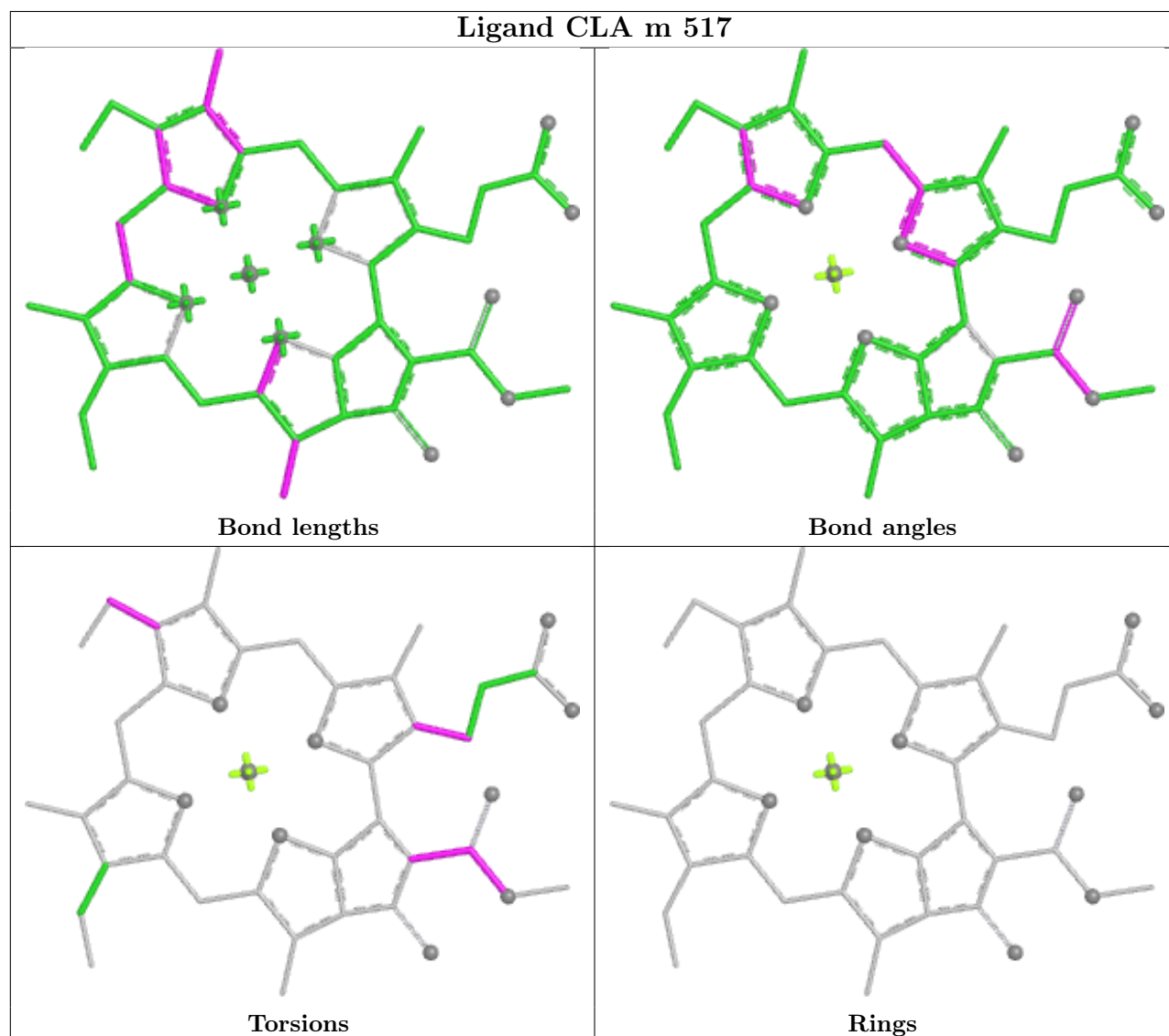
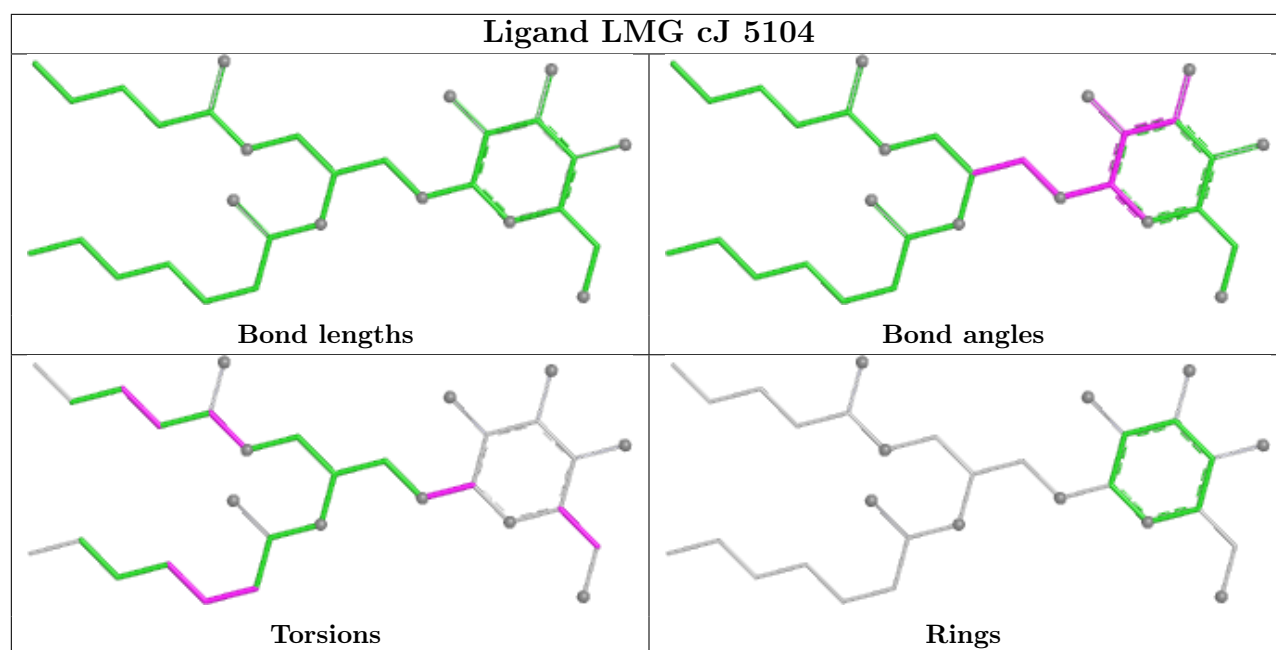
Rings

Ligand CLA bB 1217

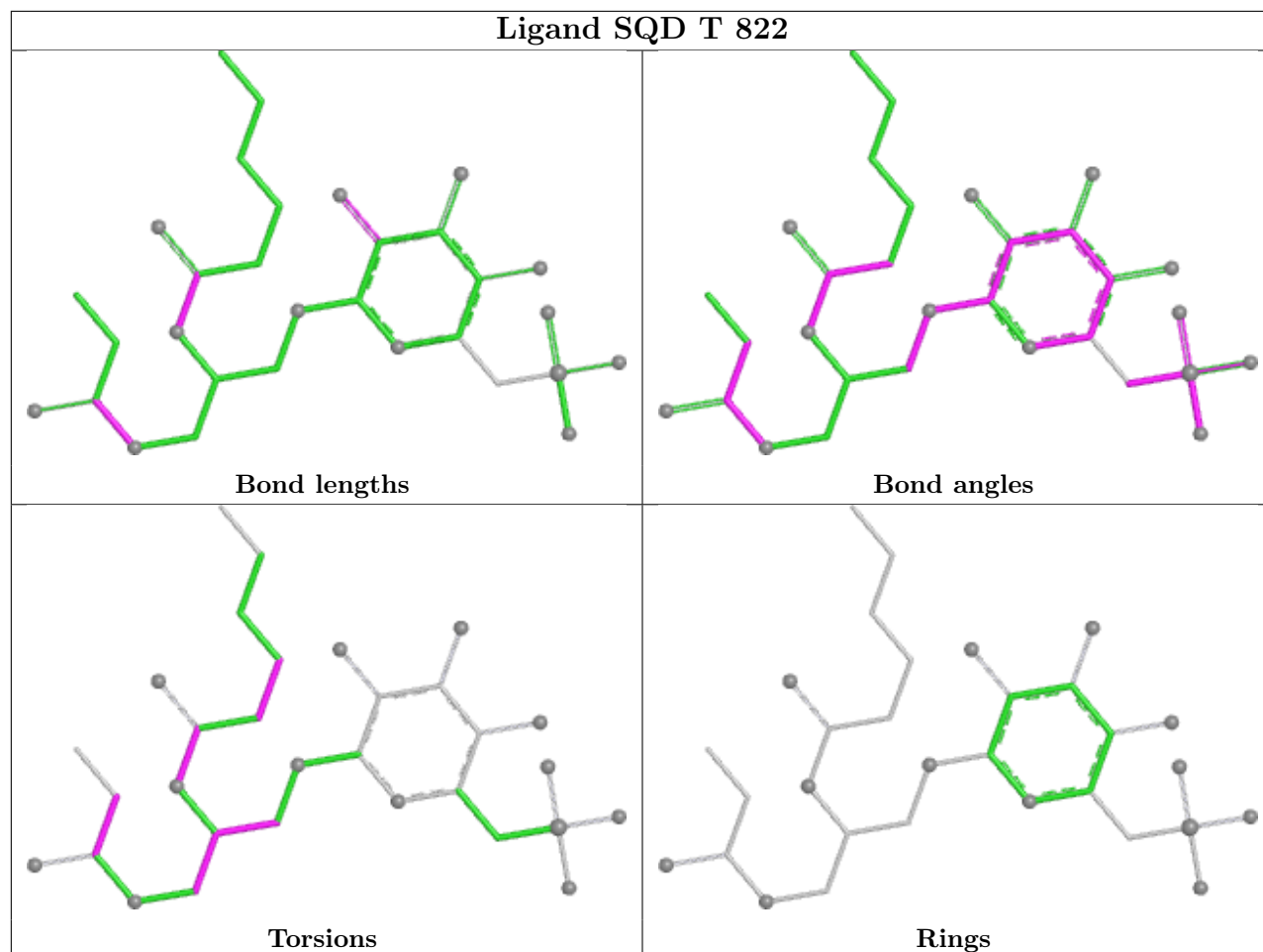


Ligand CLA a2 511

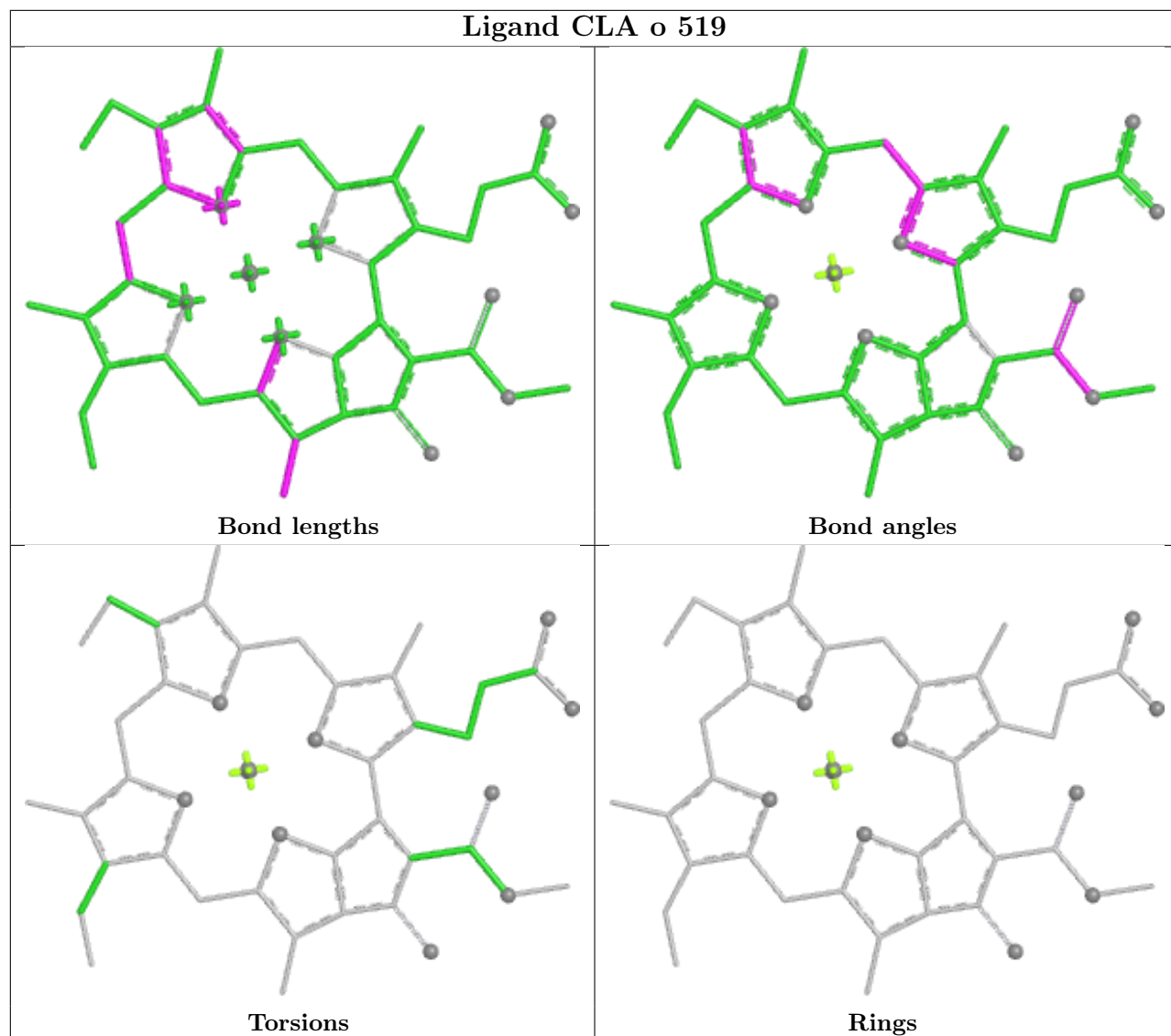




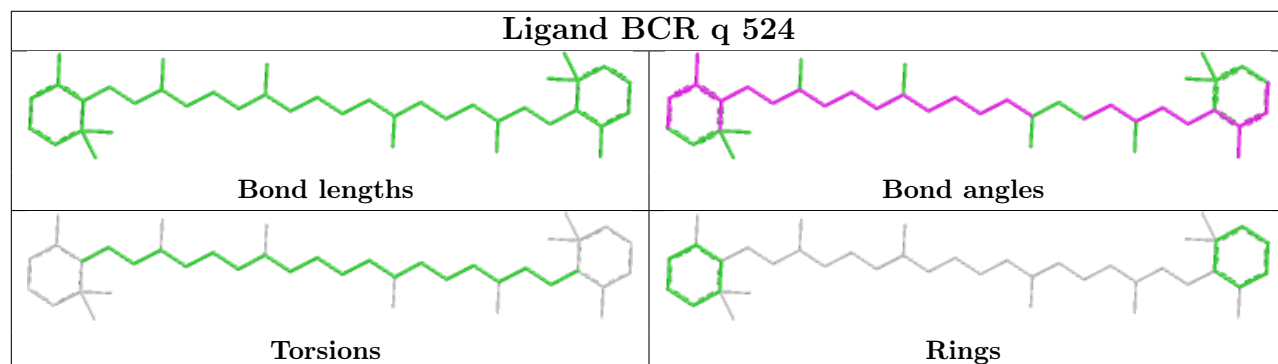
Ligand SQD T 822

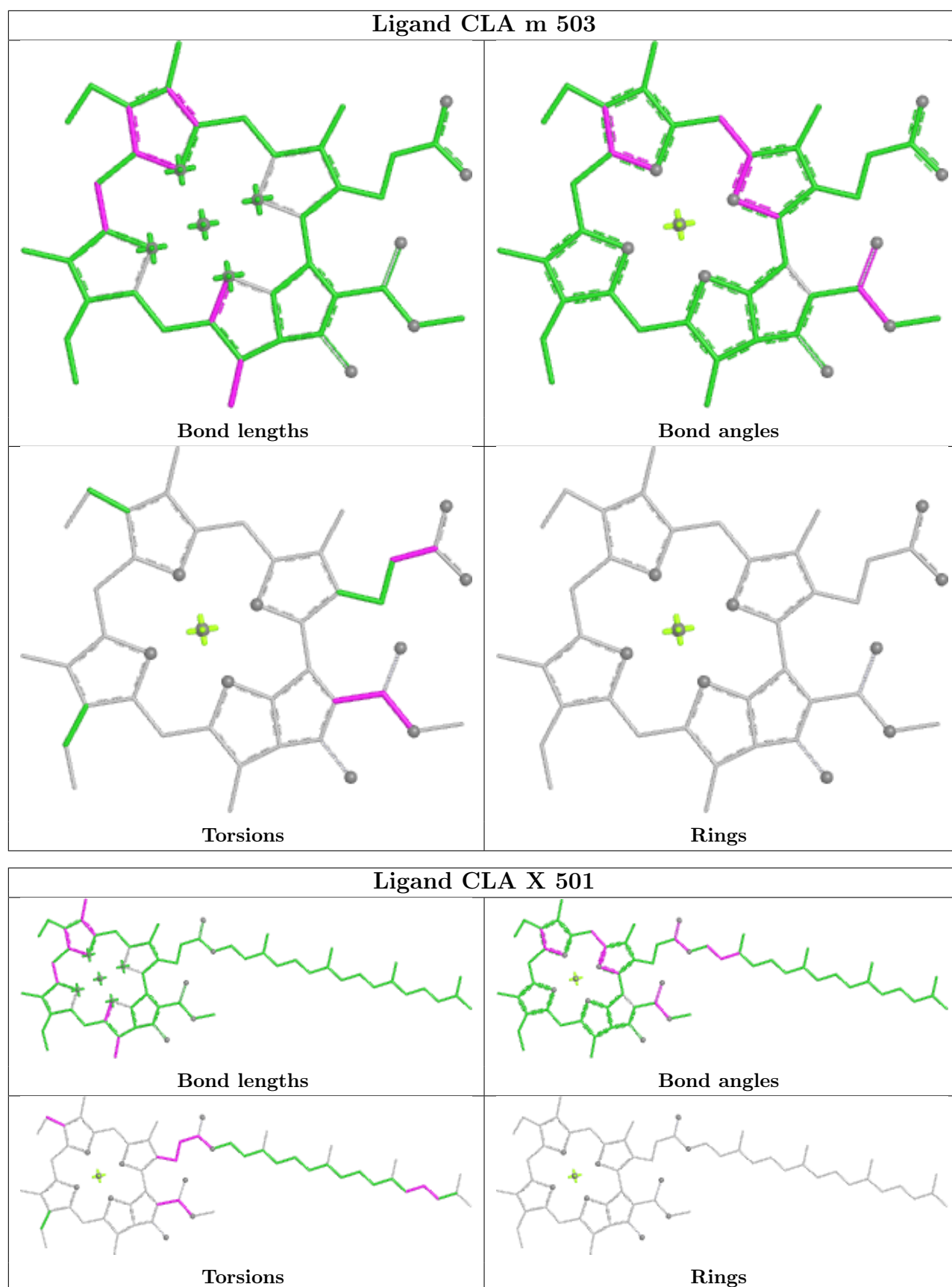


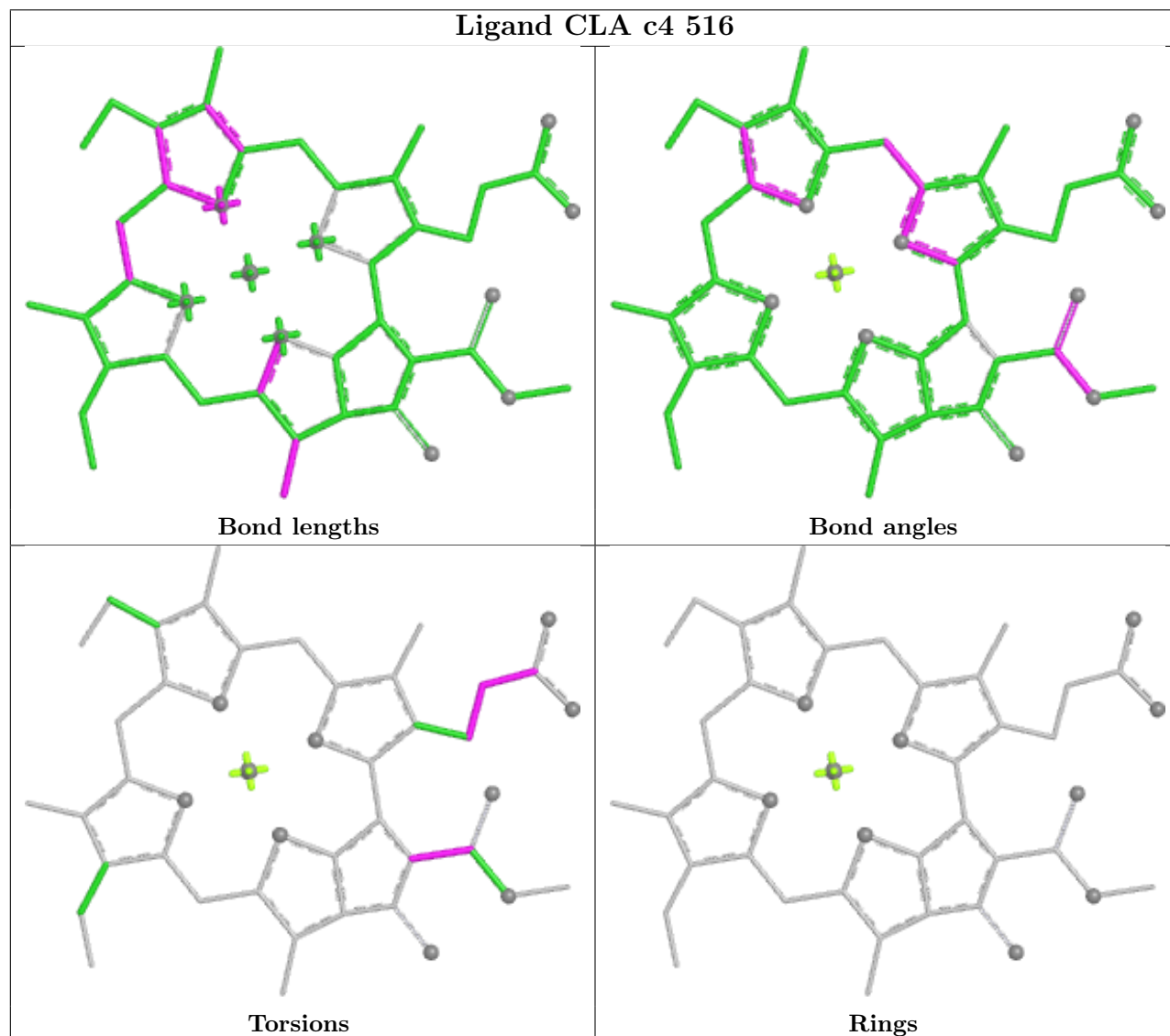
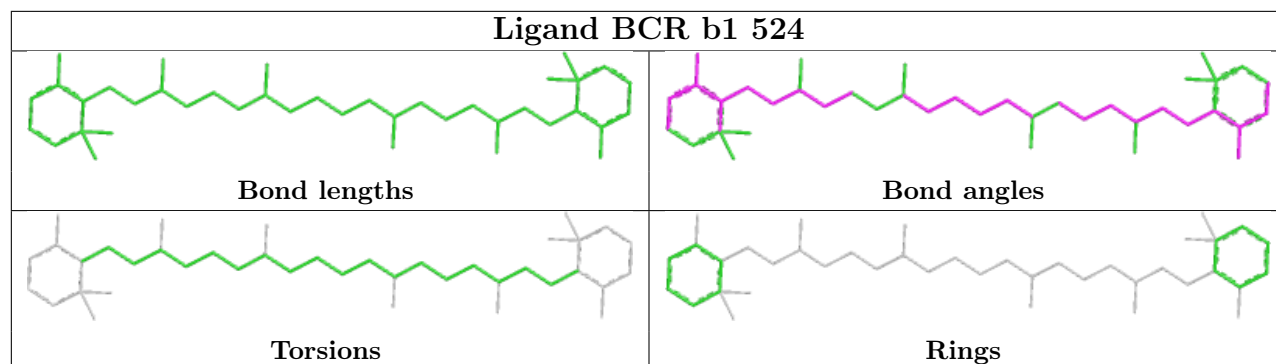
Ligand CLA o 519



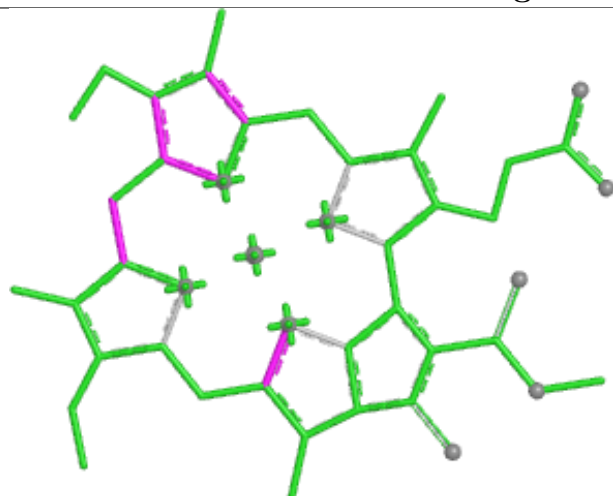
Ligand BCR q 524







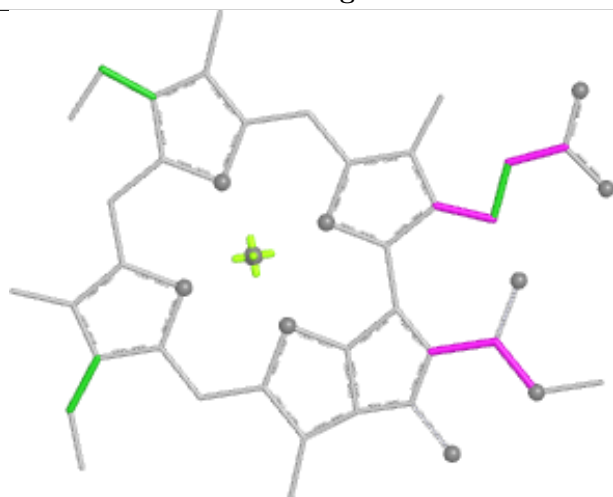
Ligand CLA Y 516



Bond lengths



Bond angles

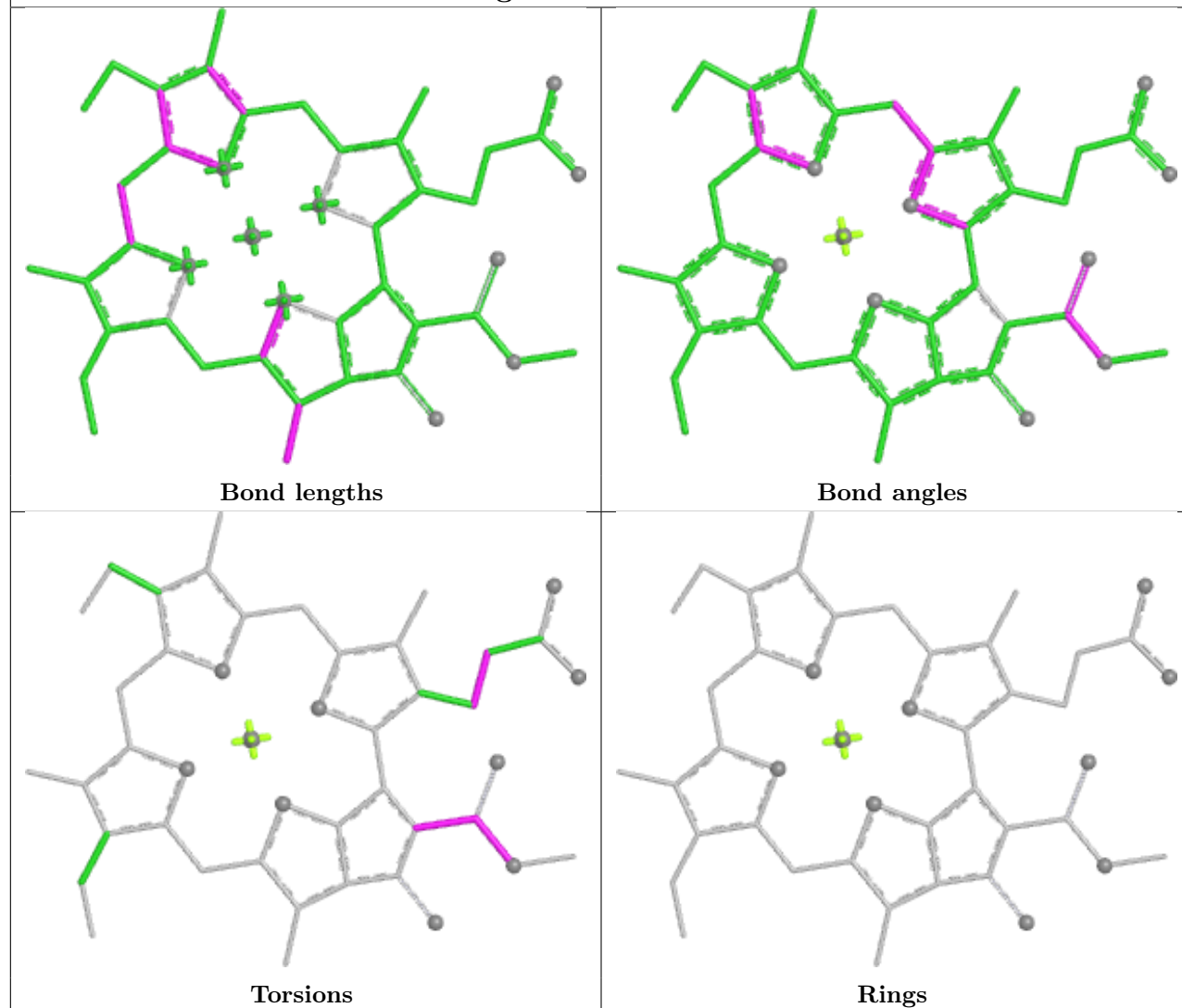


Torsions

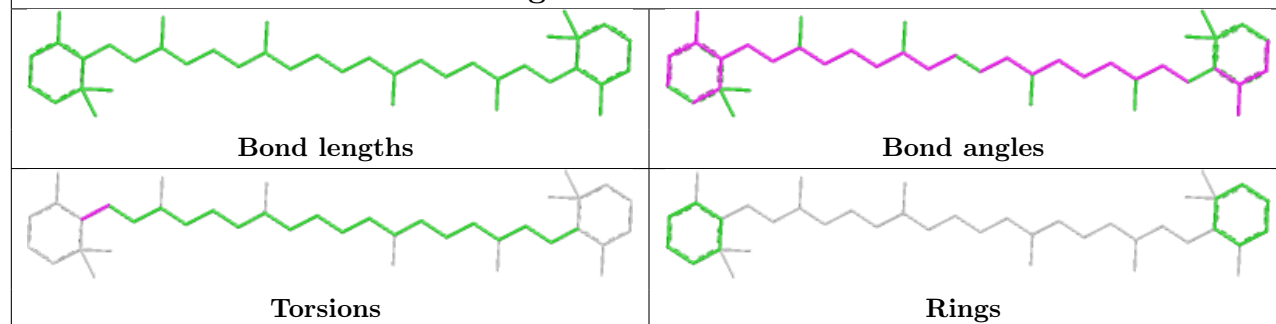


Rings

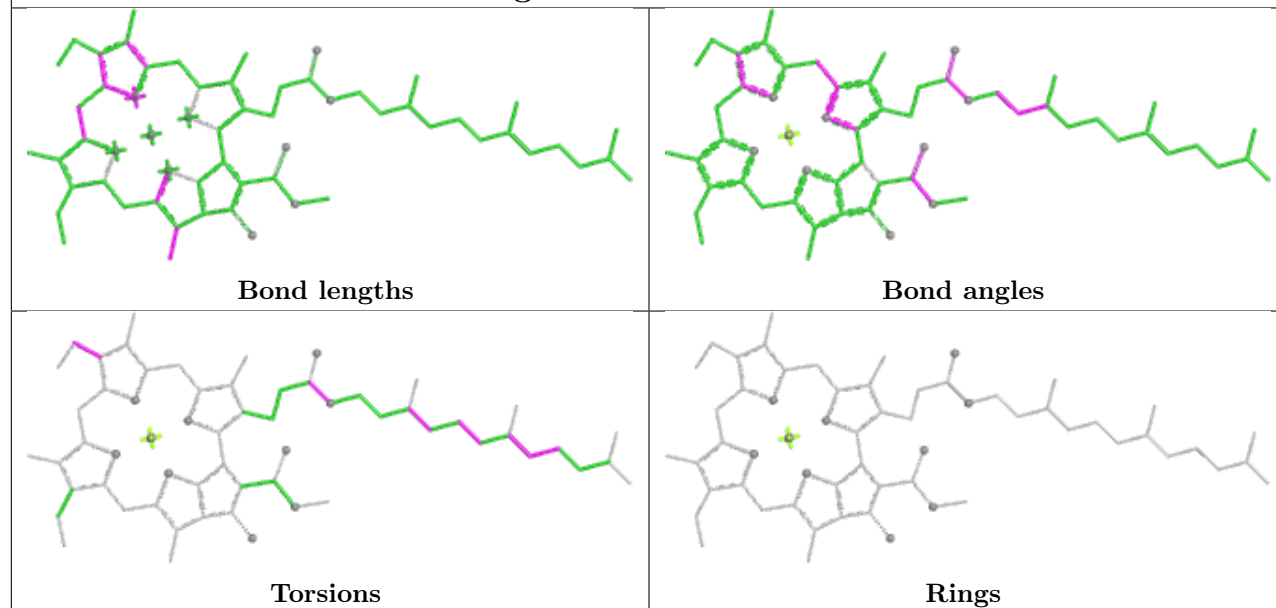
Ligand CLA k 505



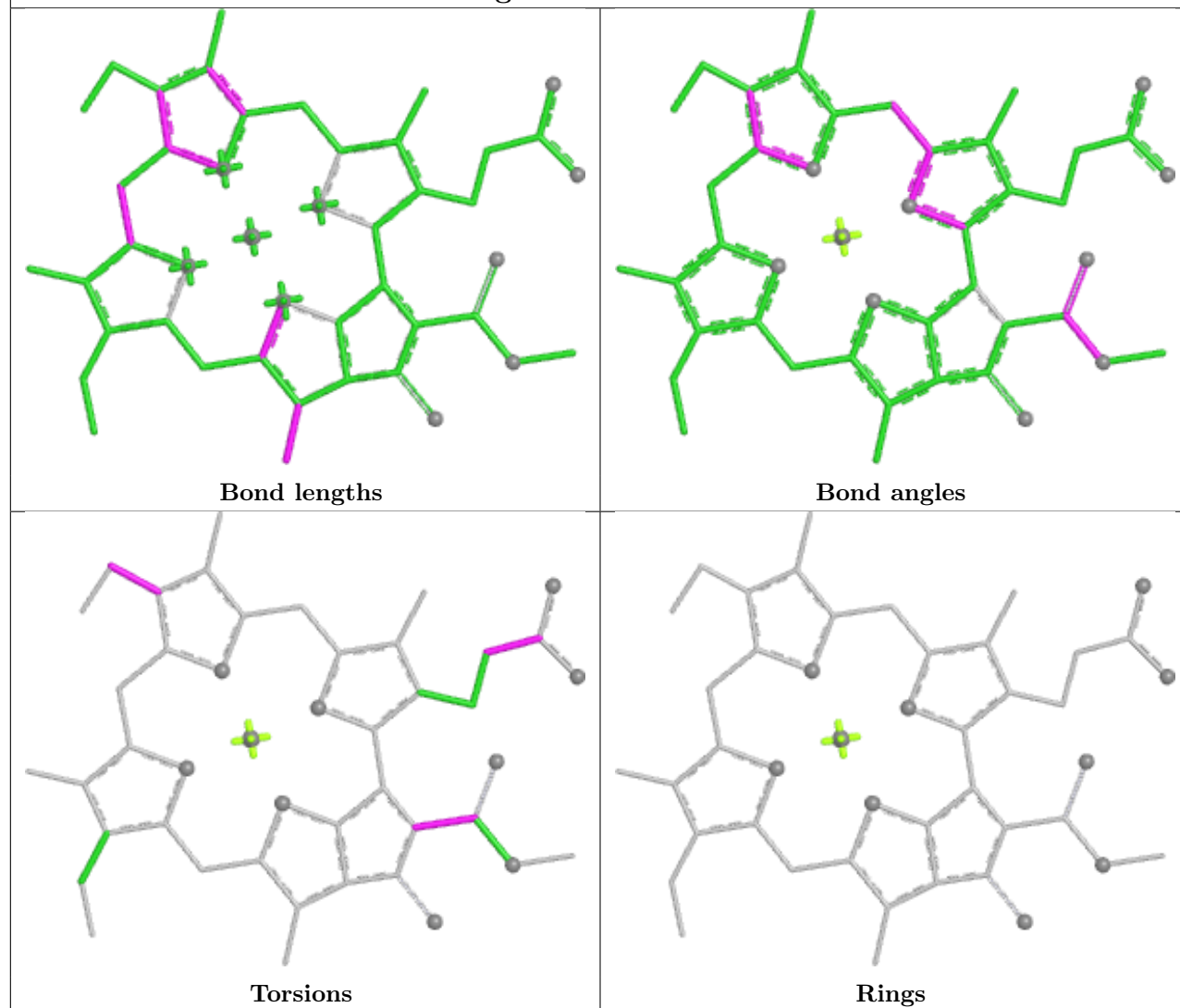
Ligand BCR m 521



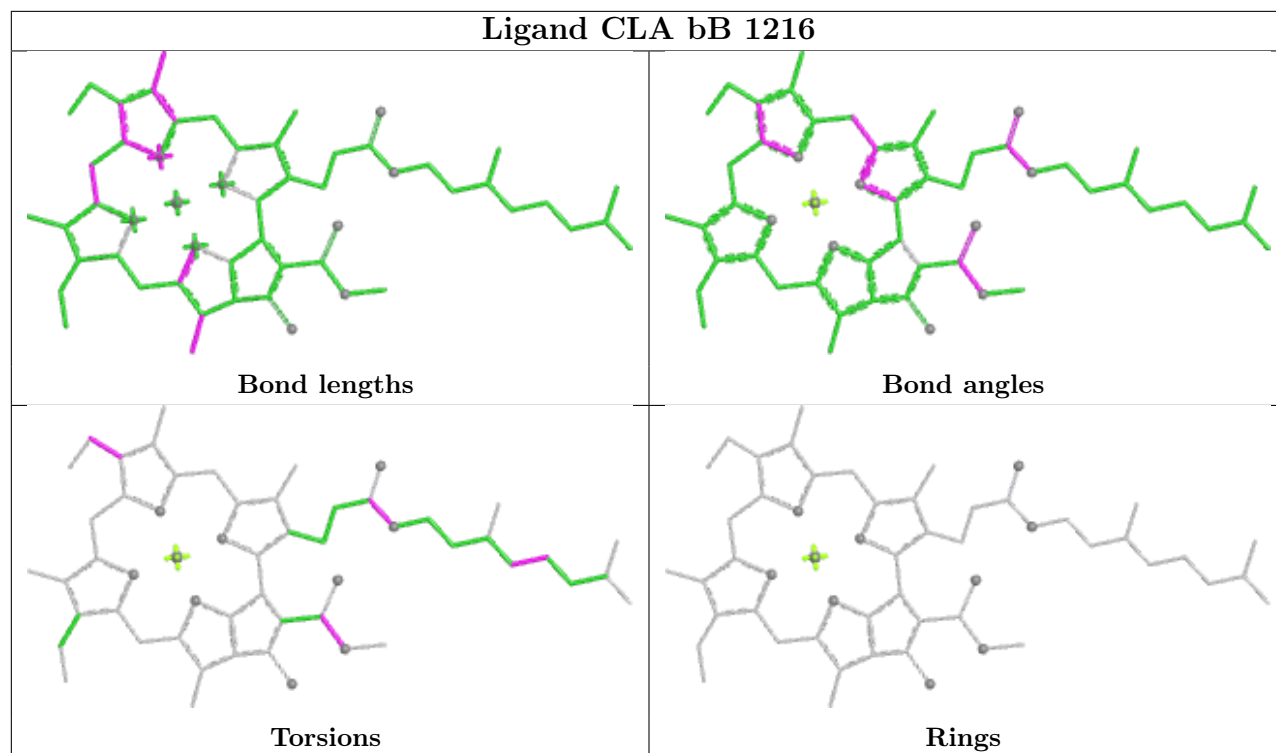
Ligand CLA aA 1122



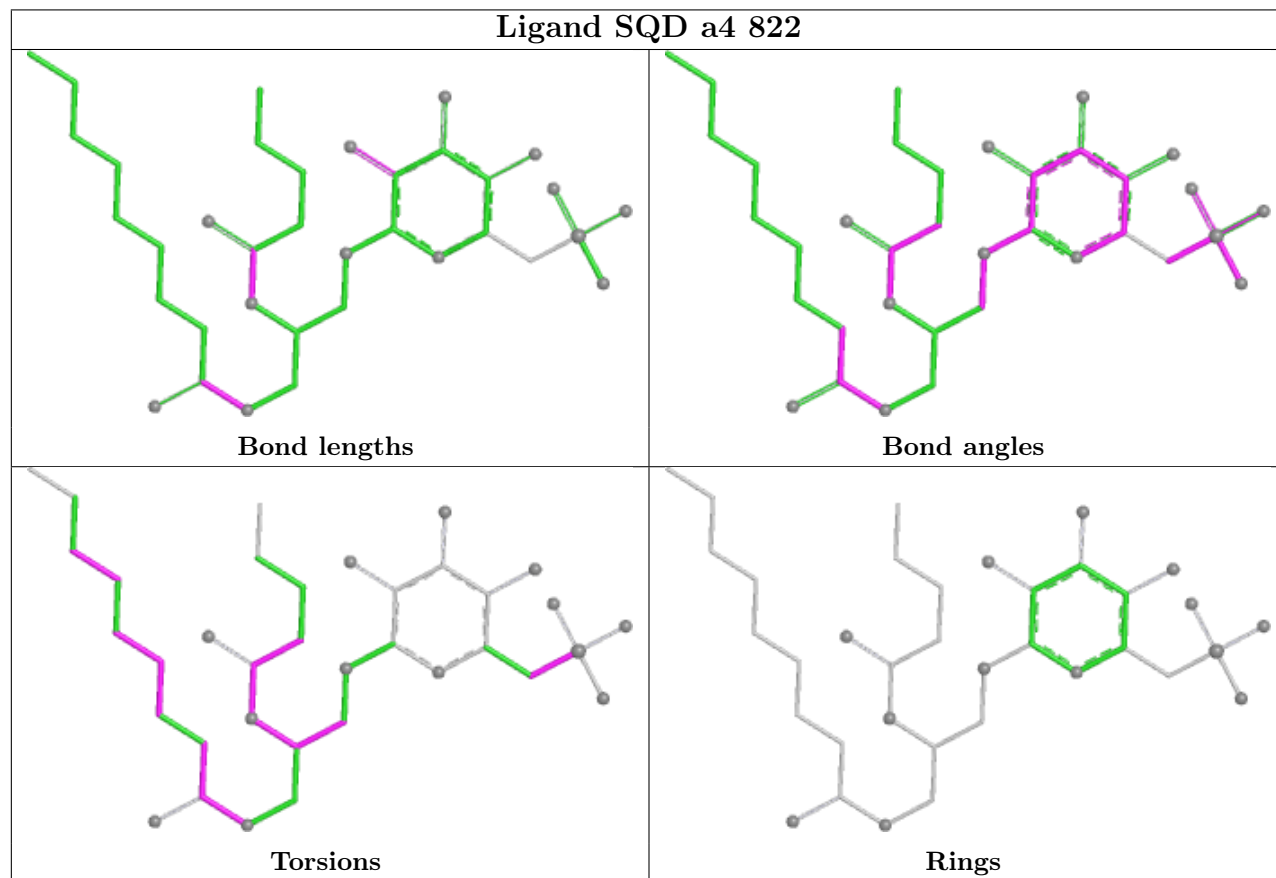
Ligand CLA k 504



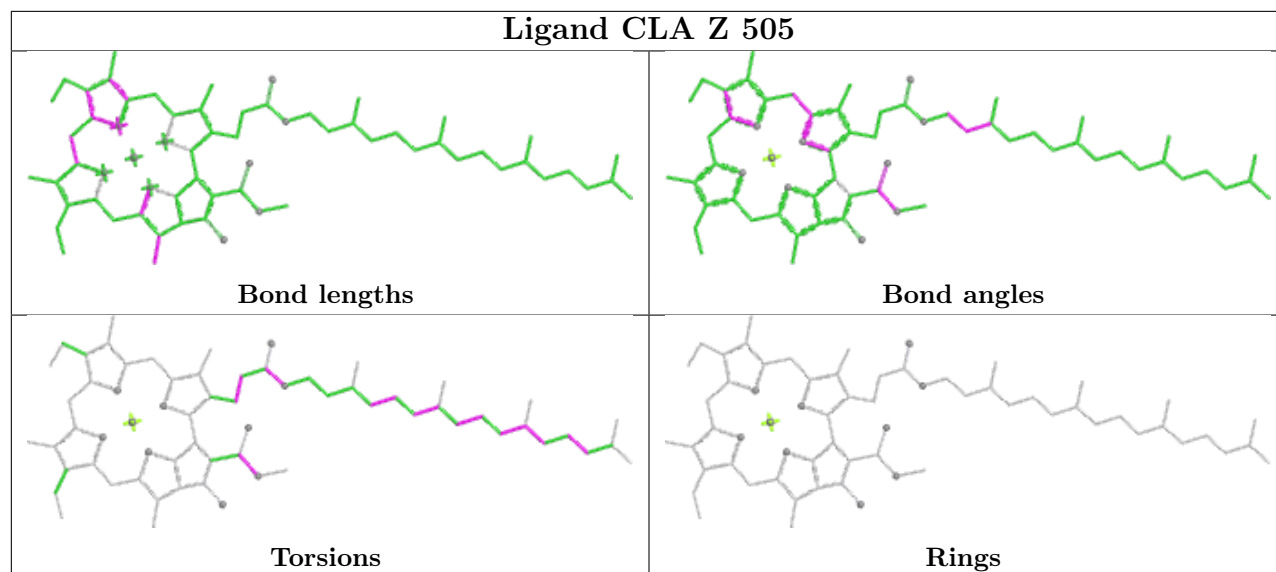
Ligand CLA bB 1216



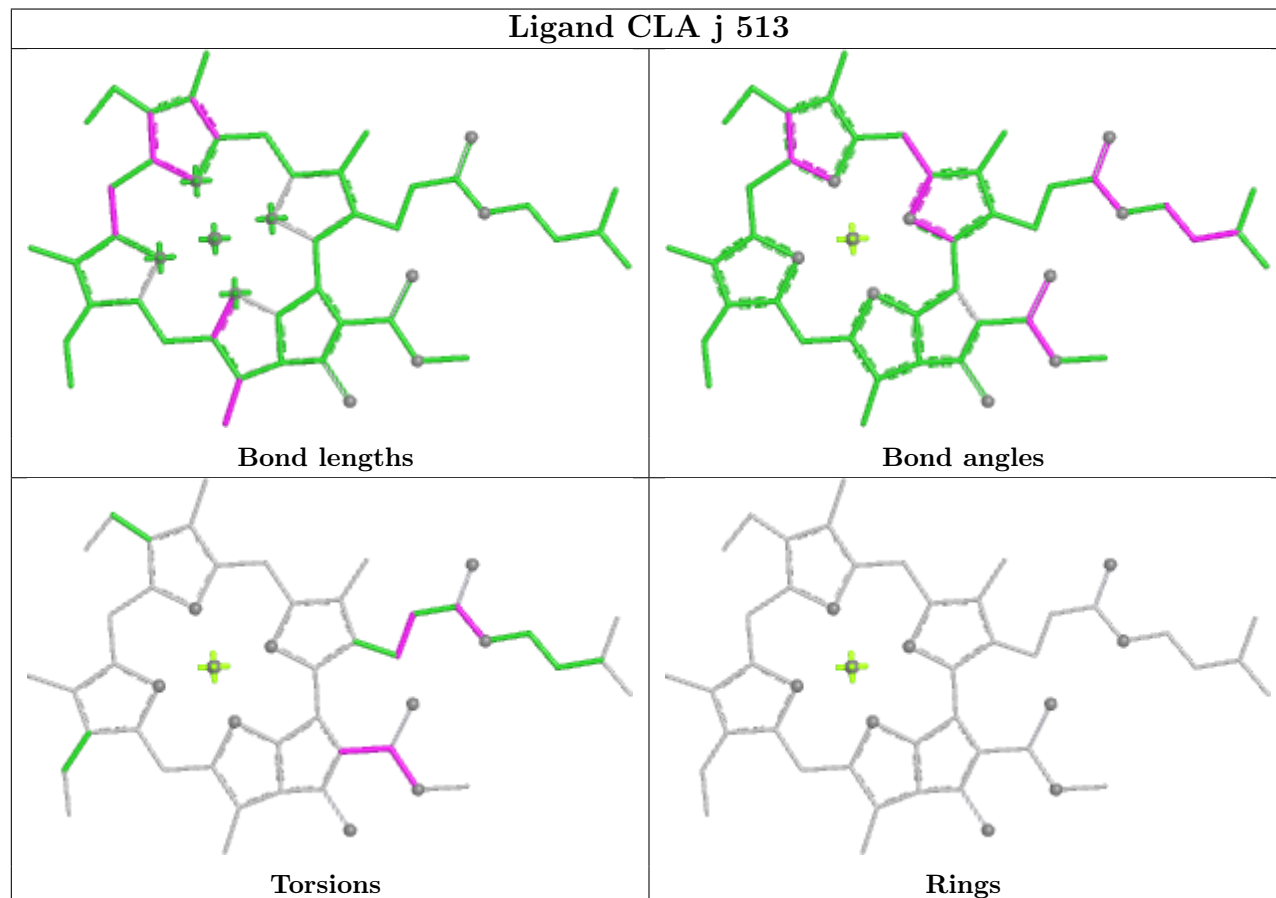
Ligand SQD a4 822

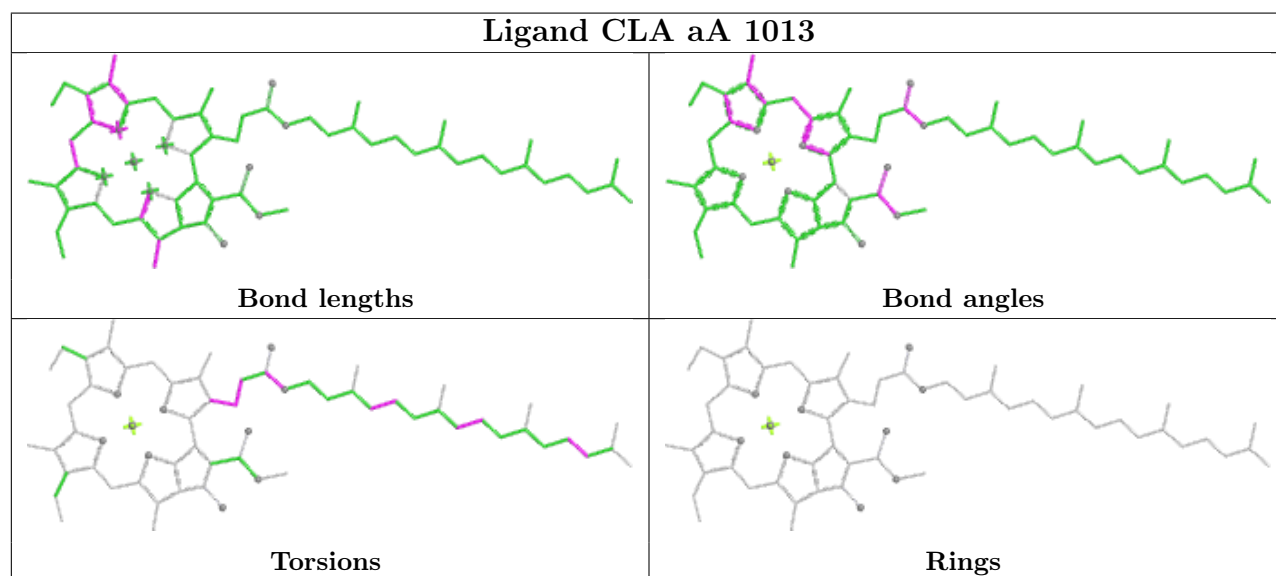
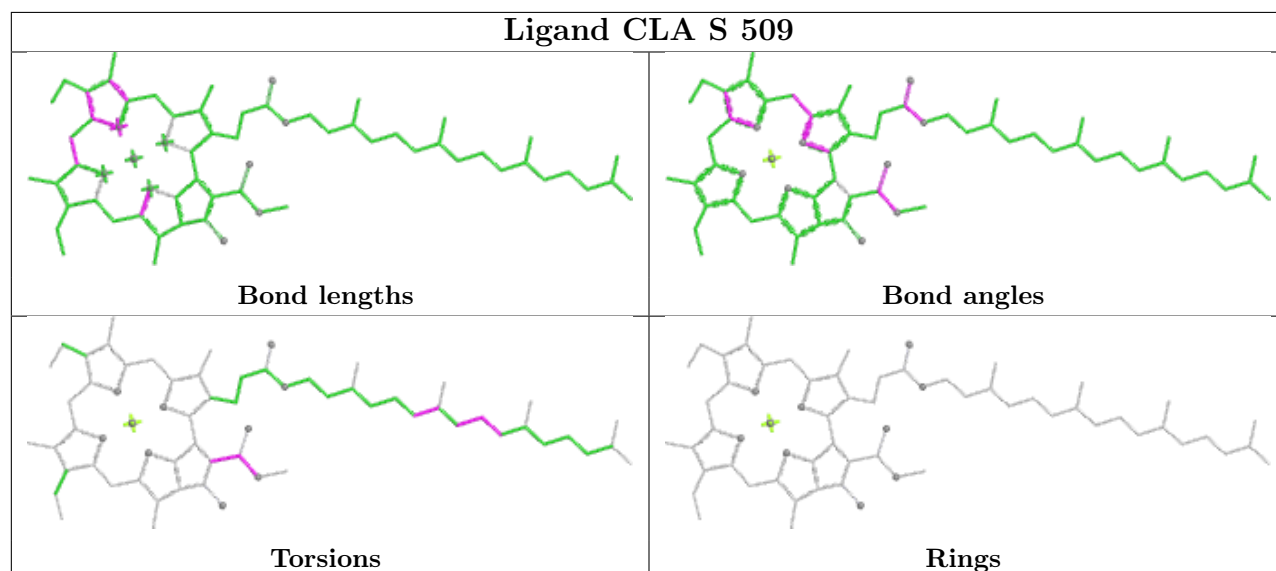
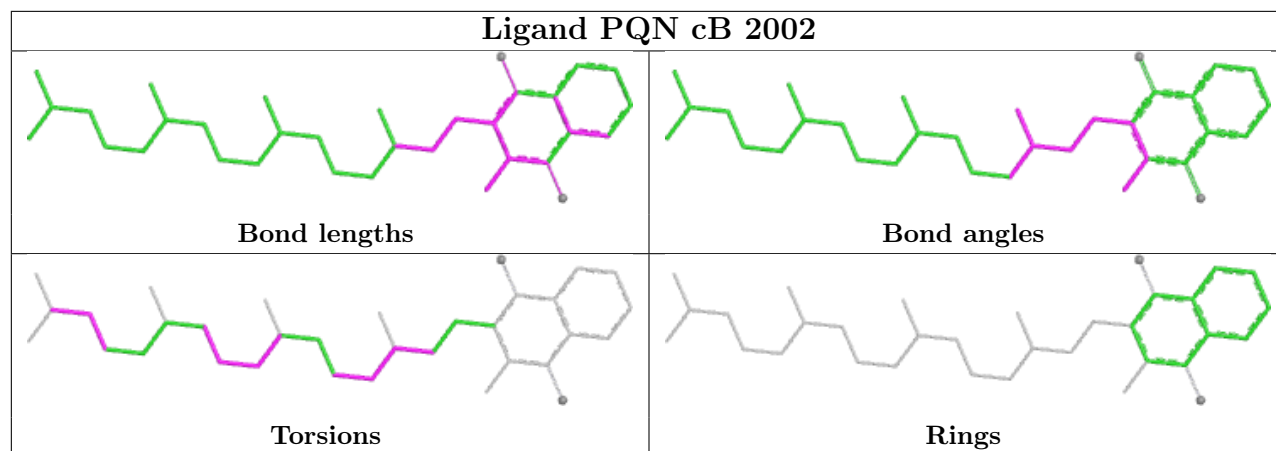


Ligand CLA Z 505

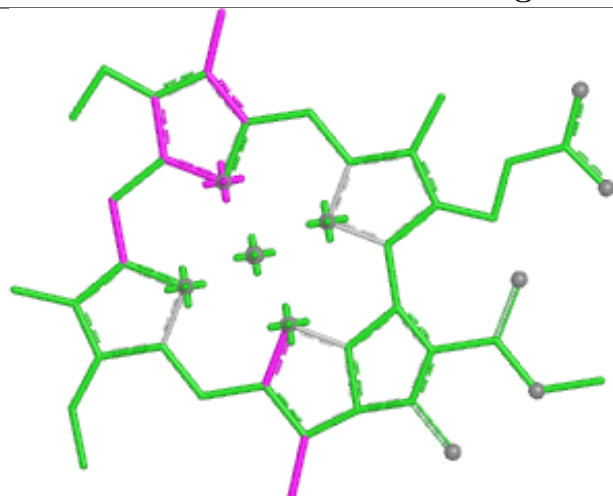


Ligand CLA j 513

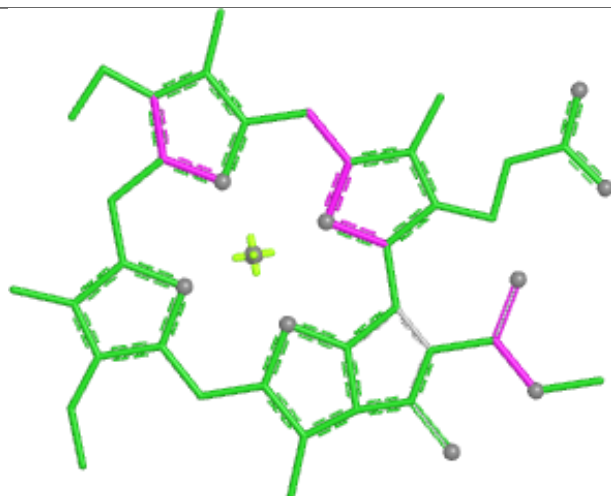




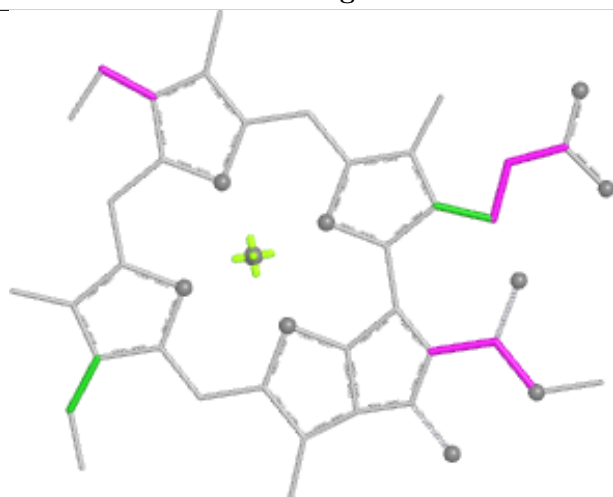
Ligand CLA T 504



Bond lengths



Bond angles

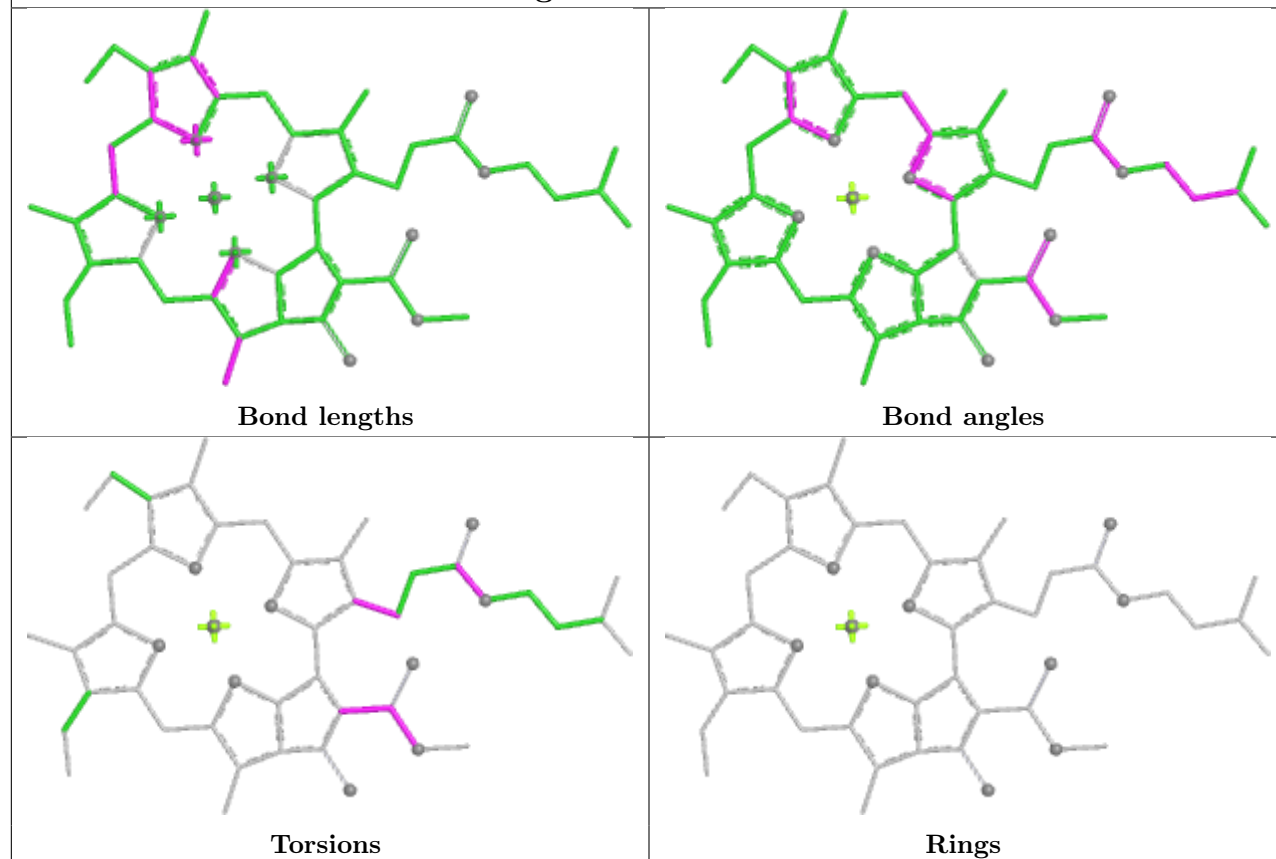


Torsions

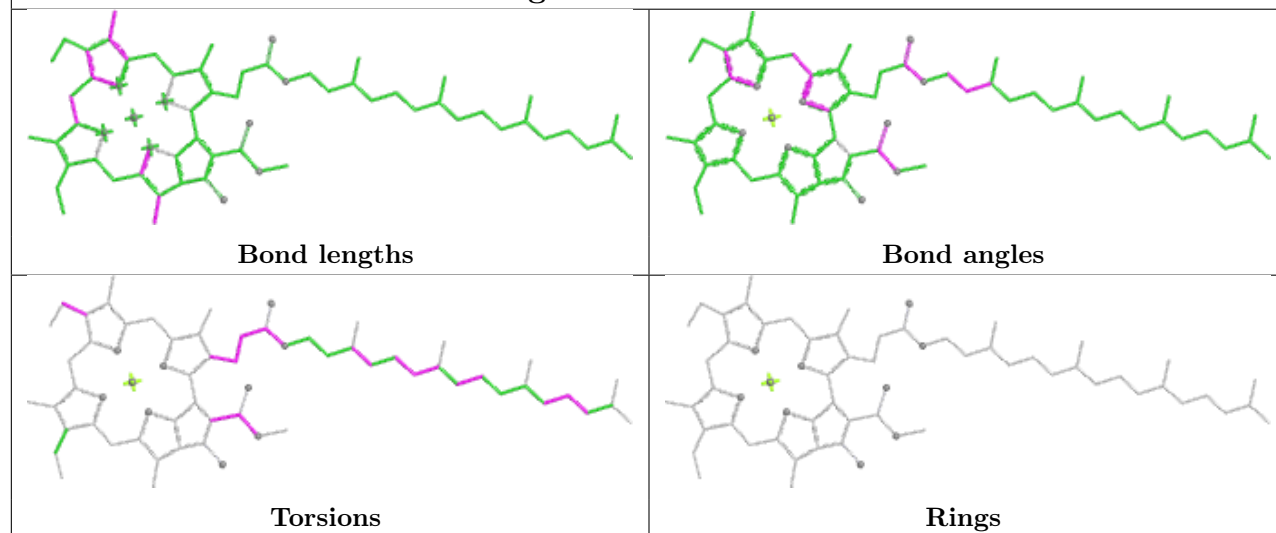


Rings

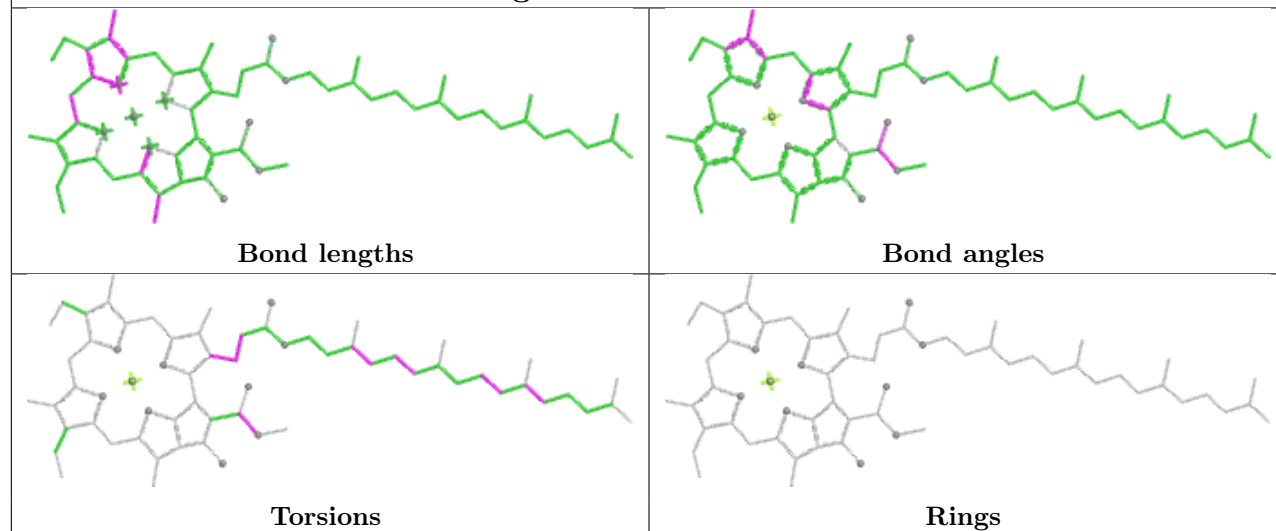
Ligand CLA S 511



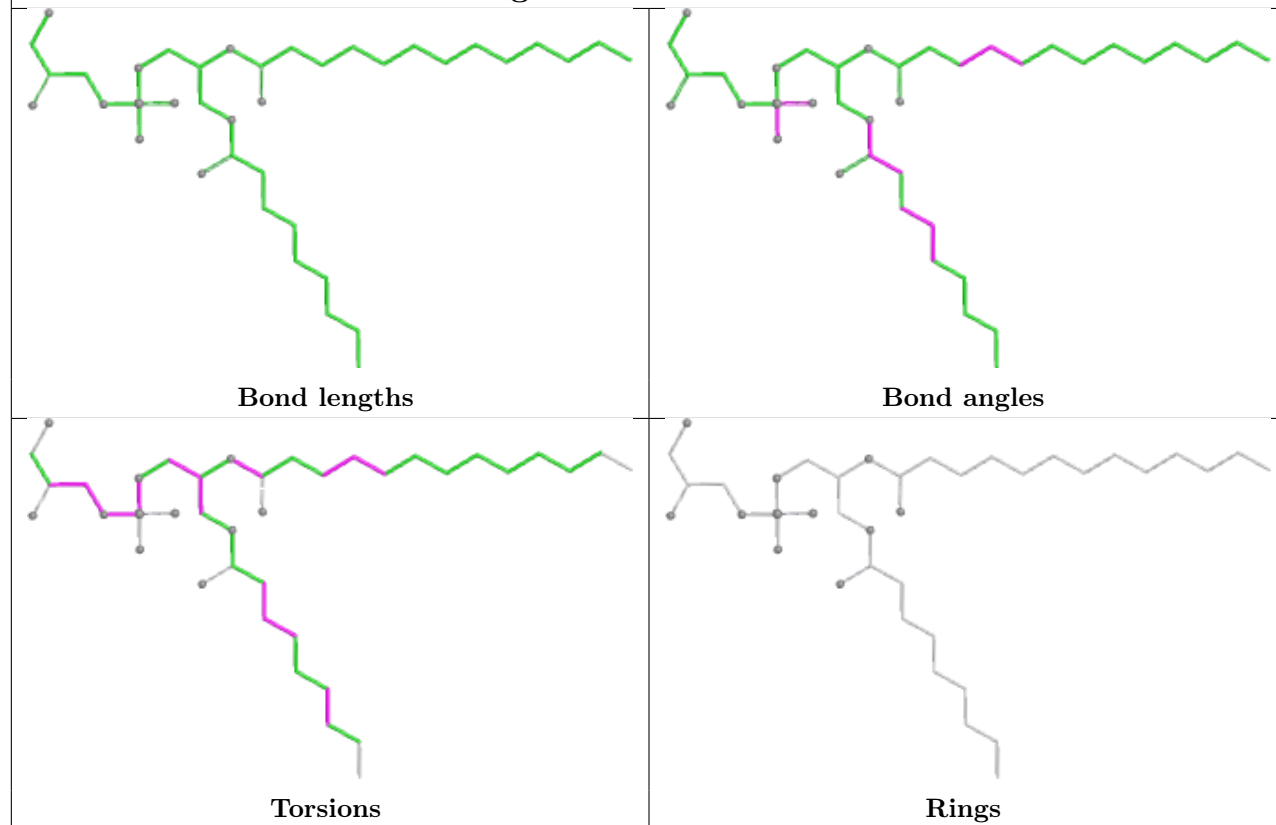
Ligand CLA c5 501

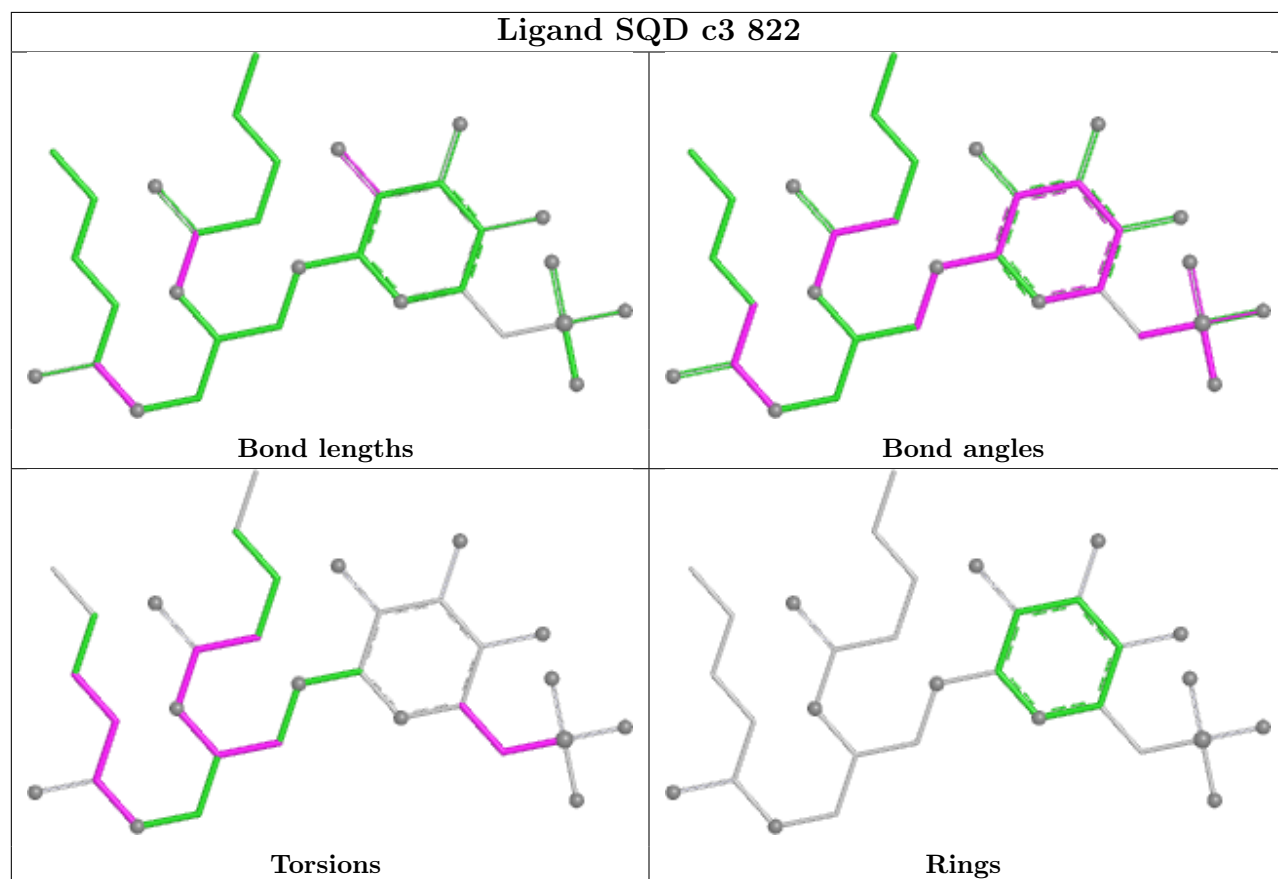
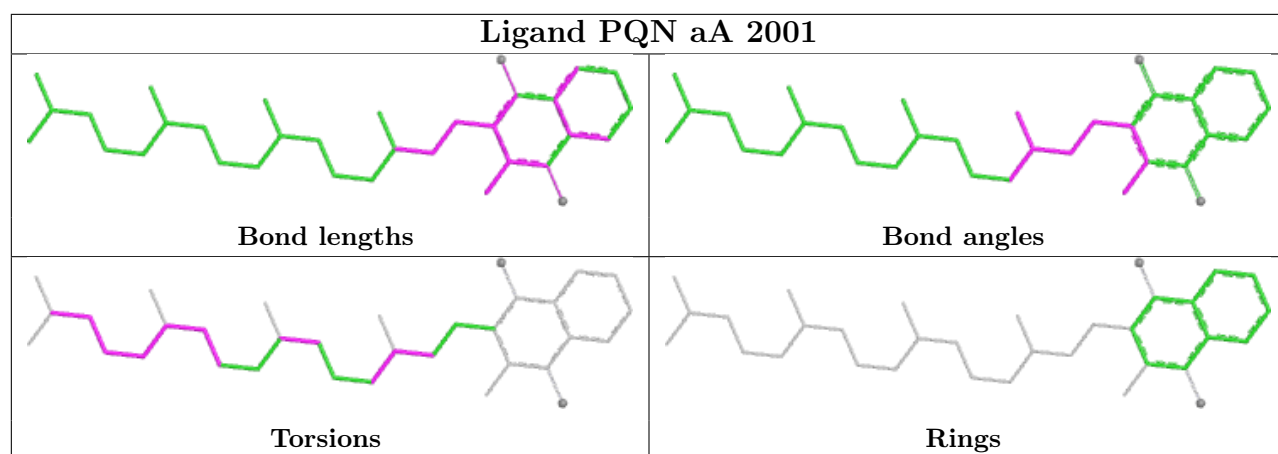


Ligand CLA bA 1022

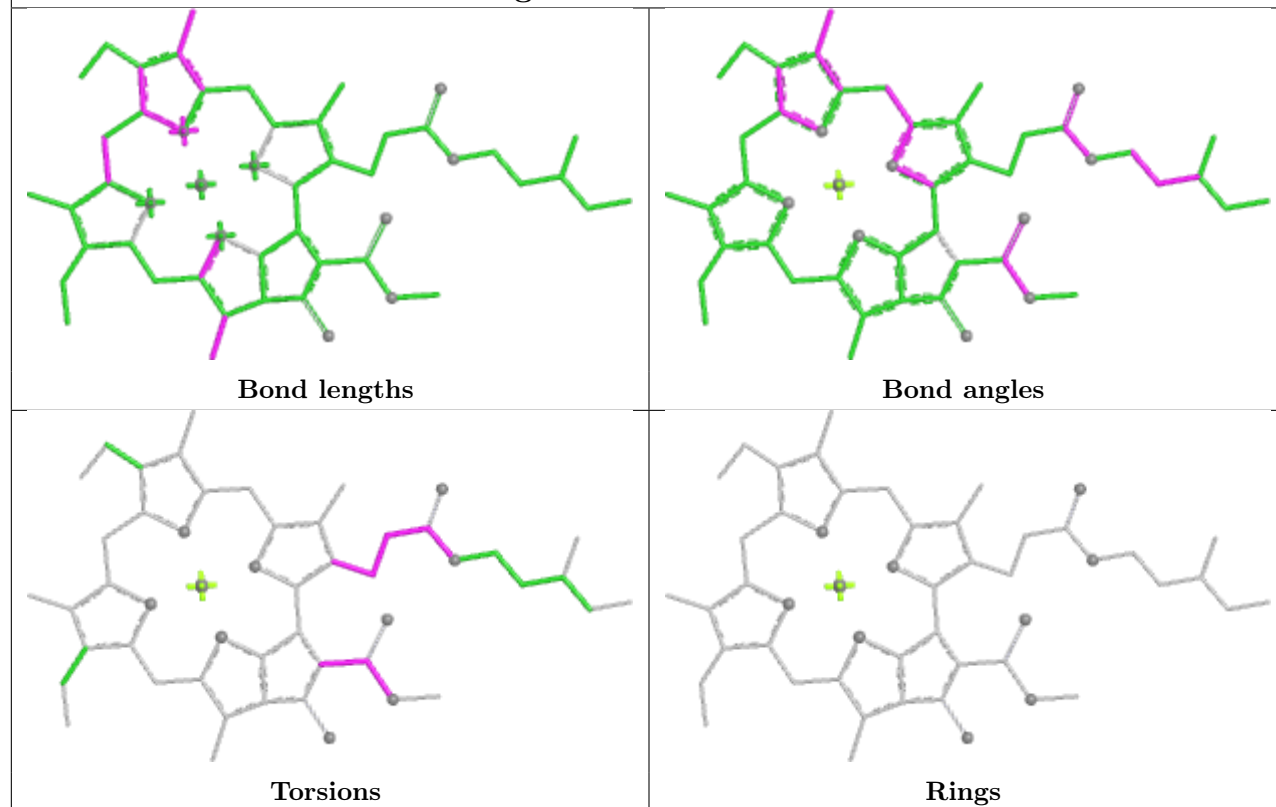


Ligand LHG bA 5005

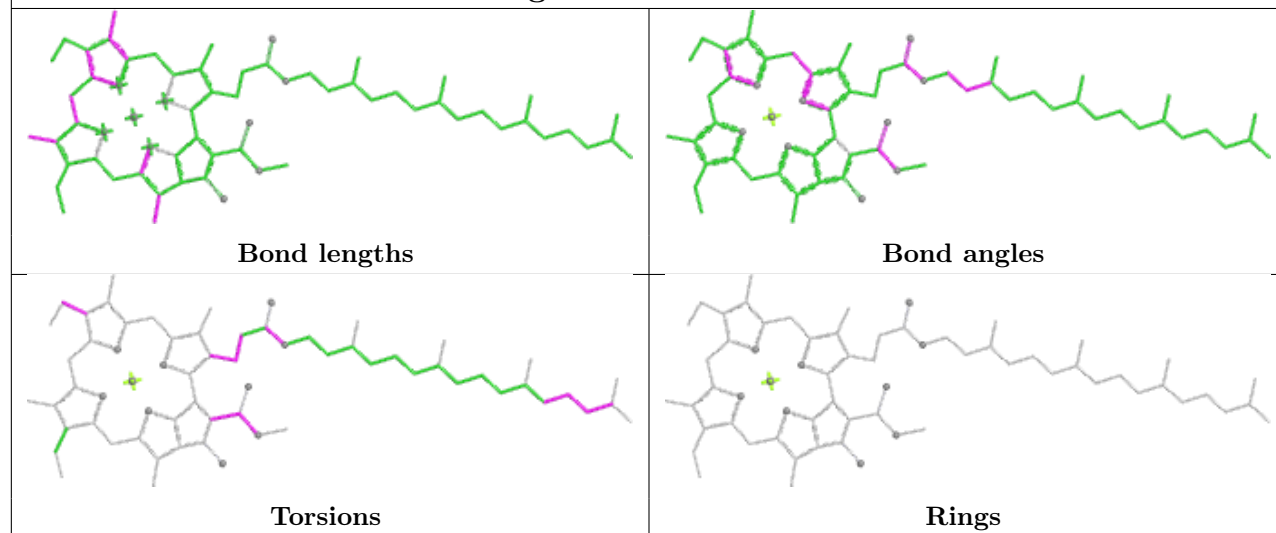




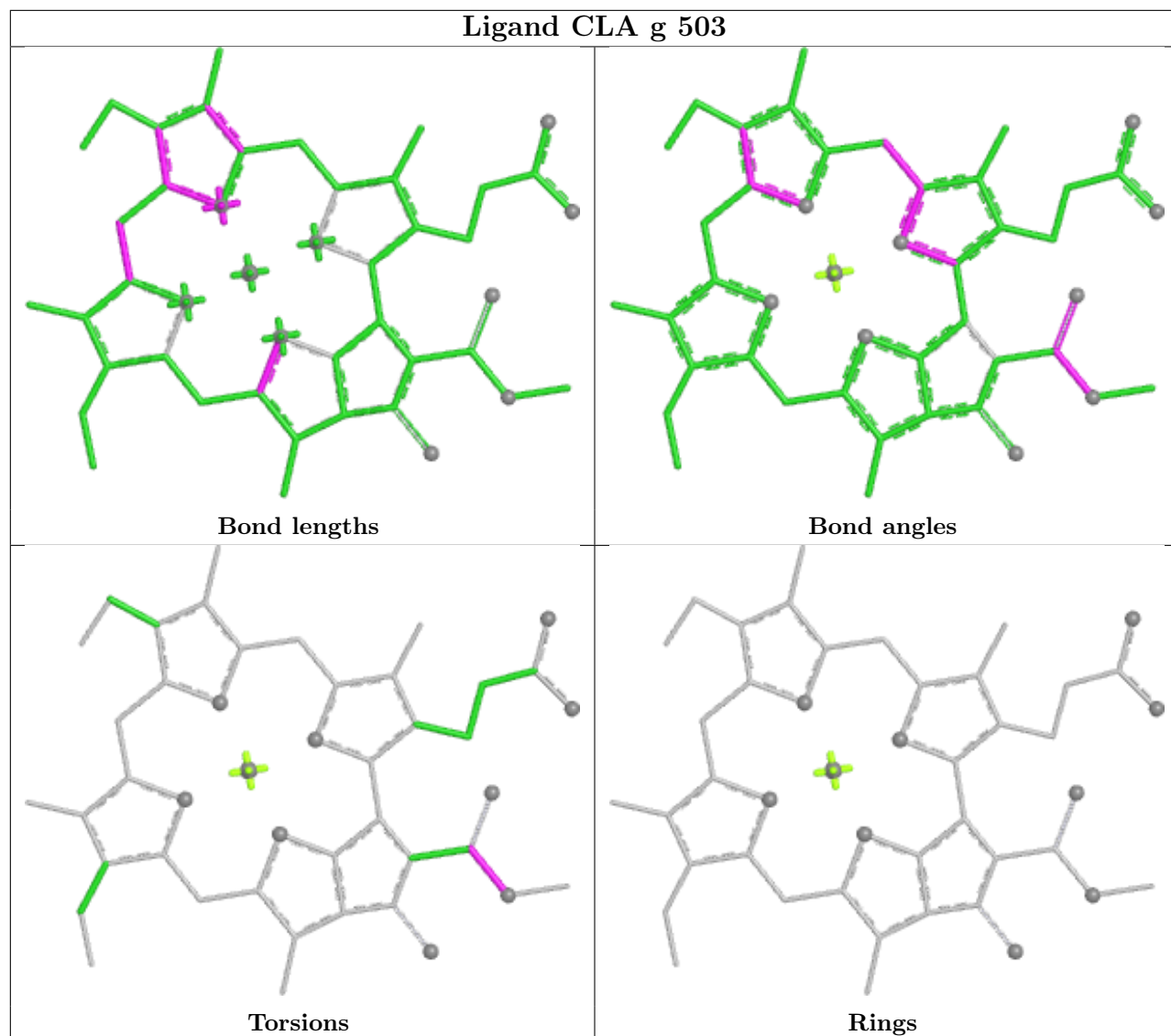
Ligand CLA cA 1135



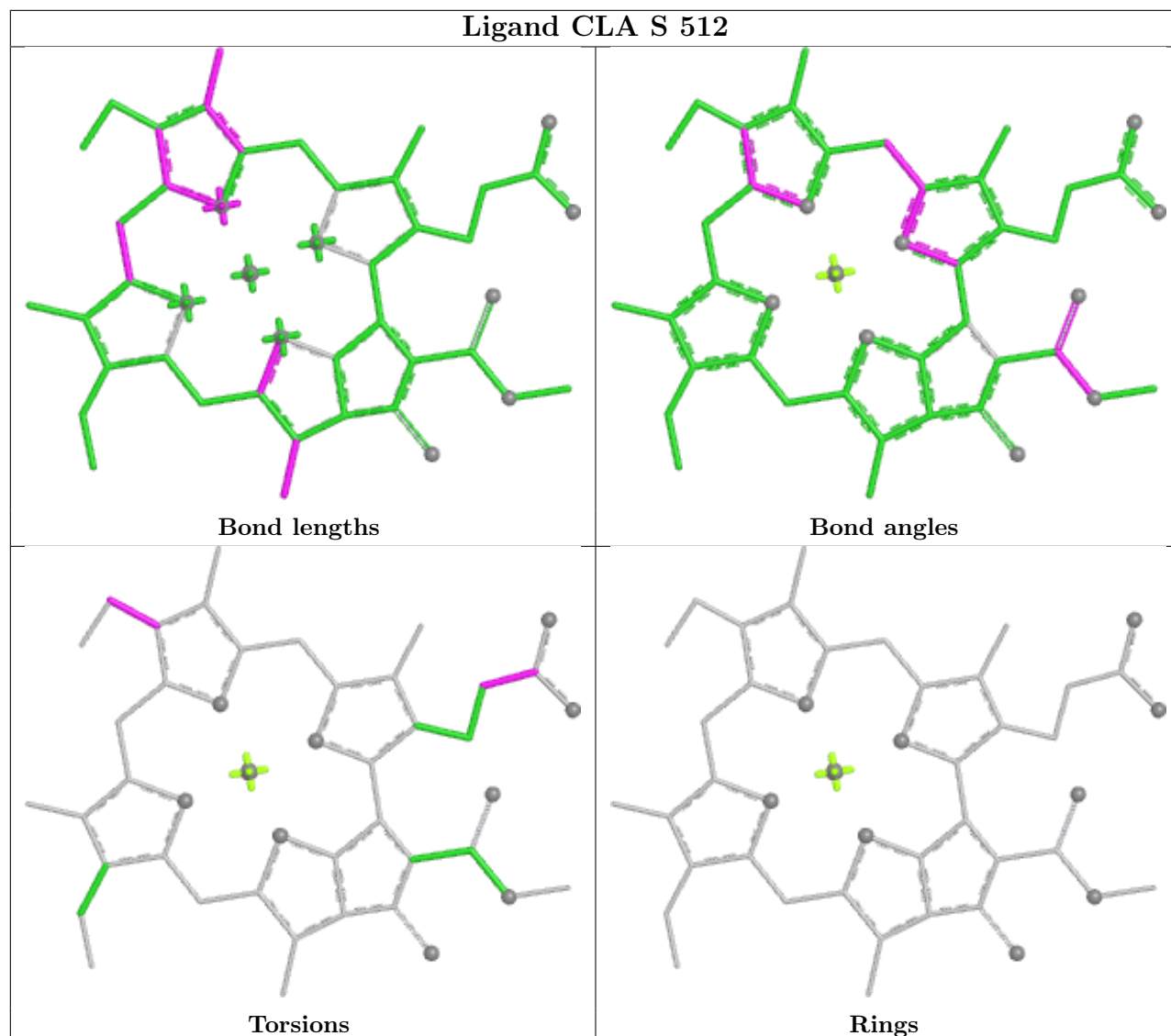
Ligand CLA c3 501



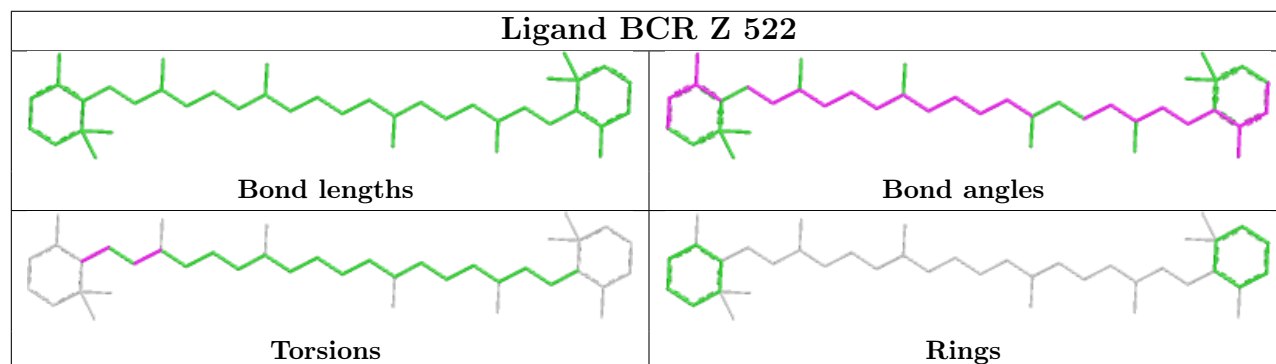
Ligand CLA g 503

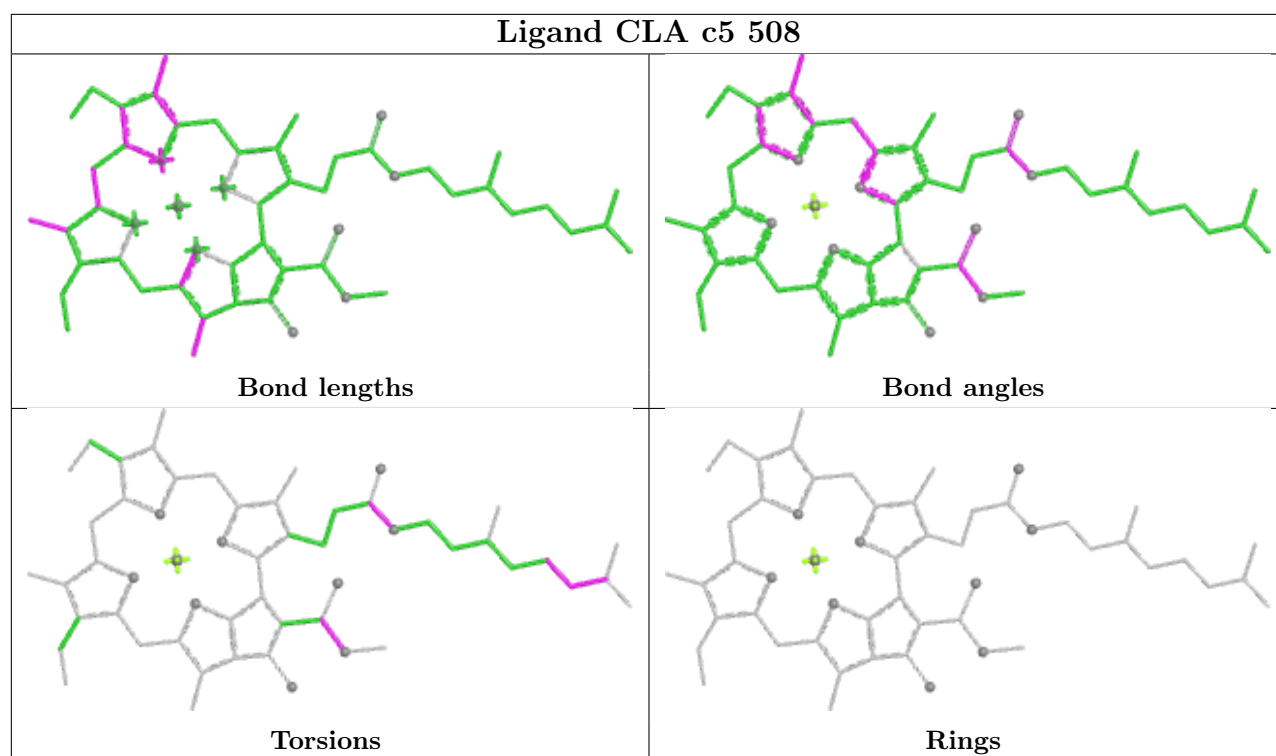


Ligand CLA S 512

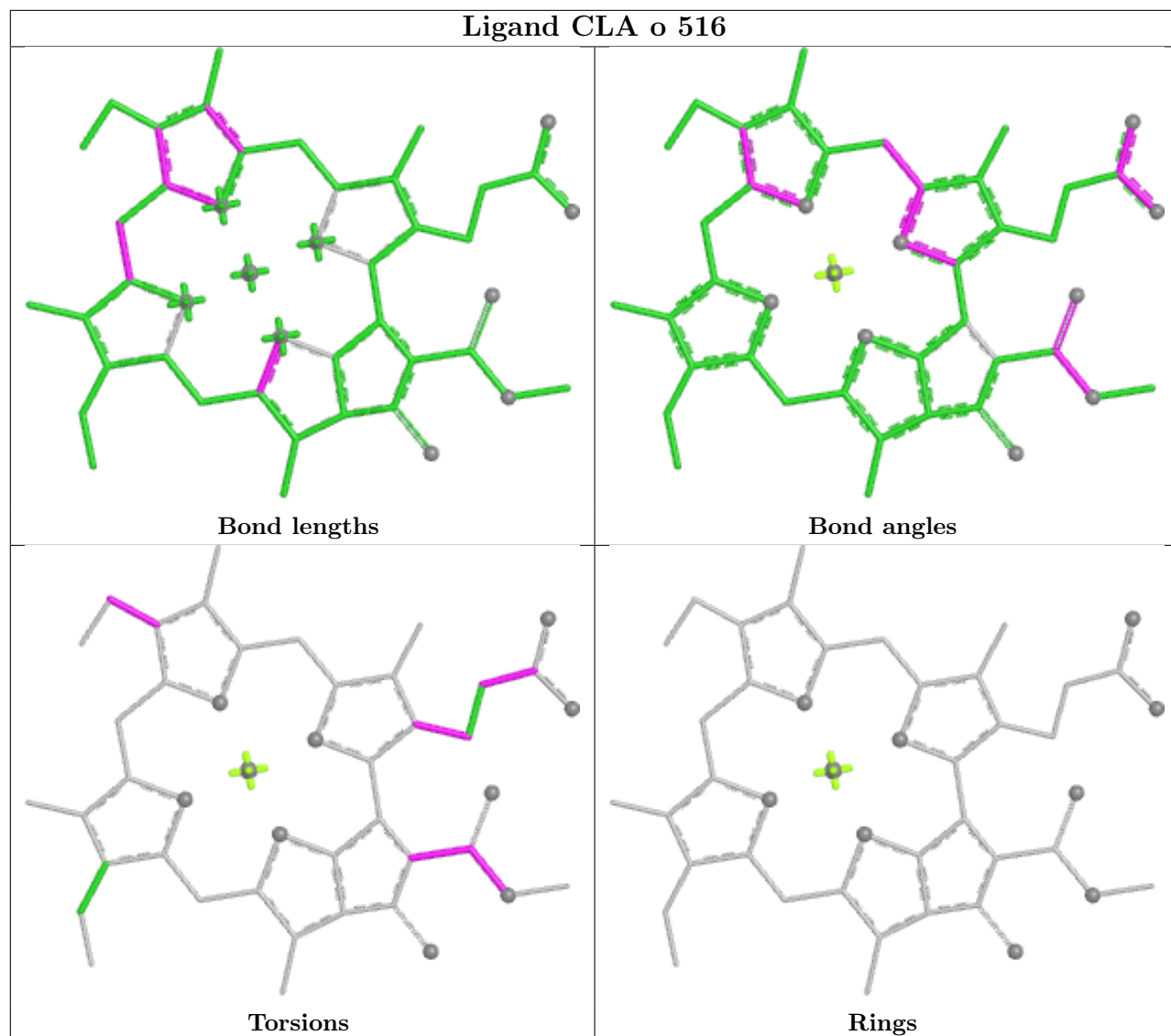


Ligand BCR Z 522

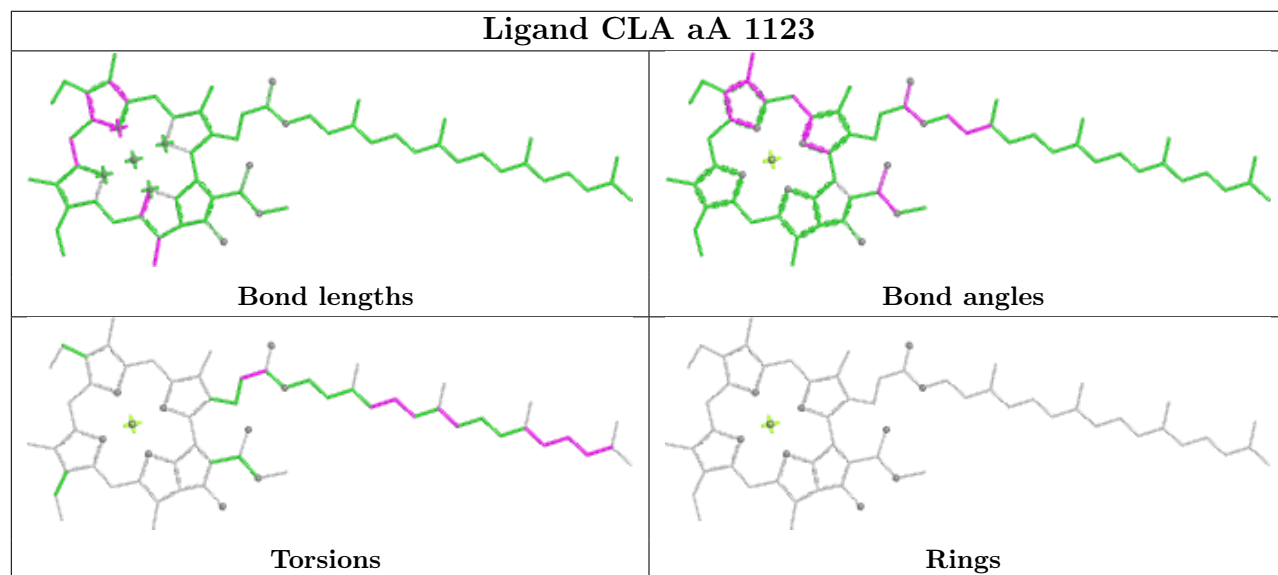


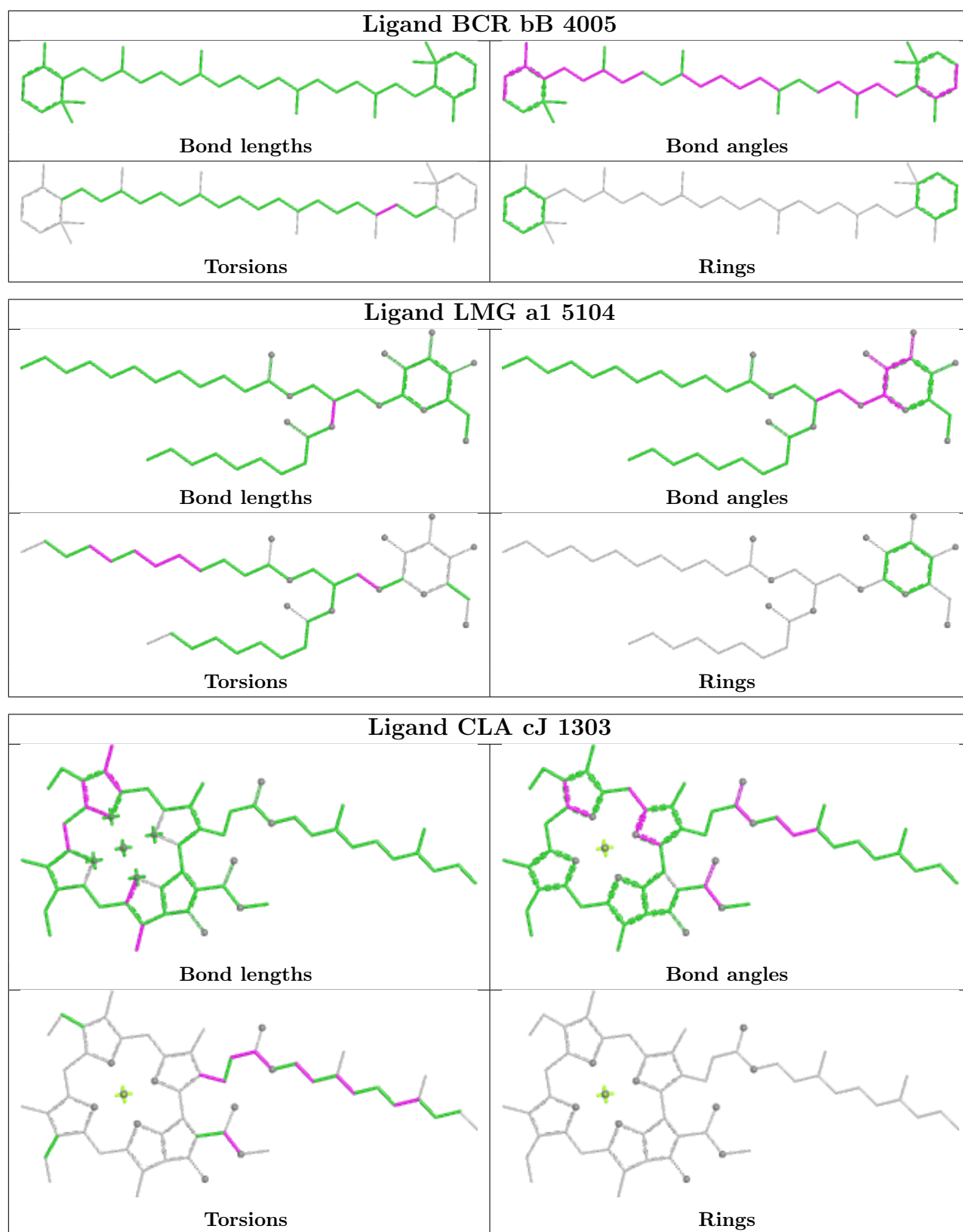


Ligand CLA o 516

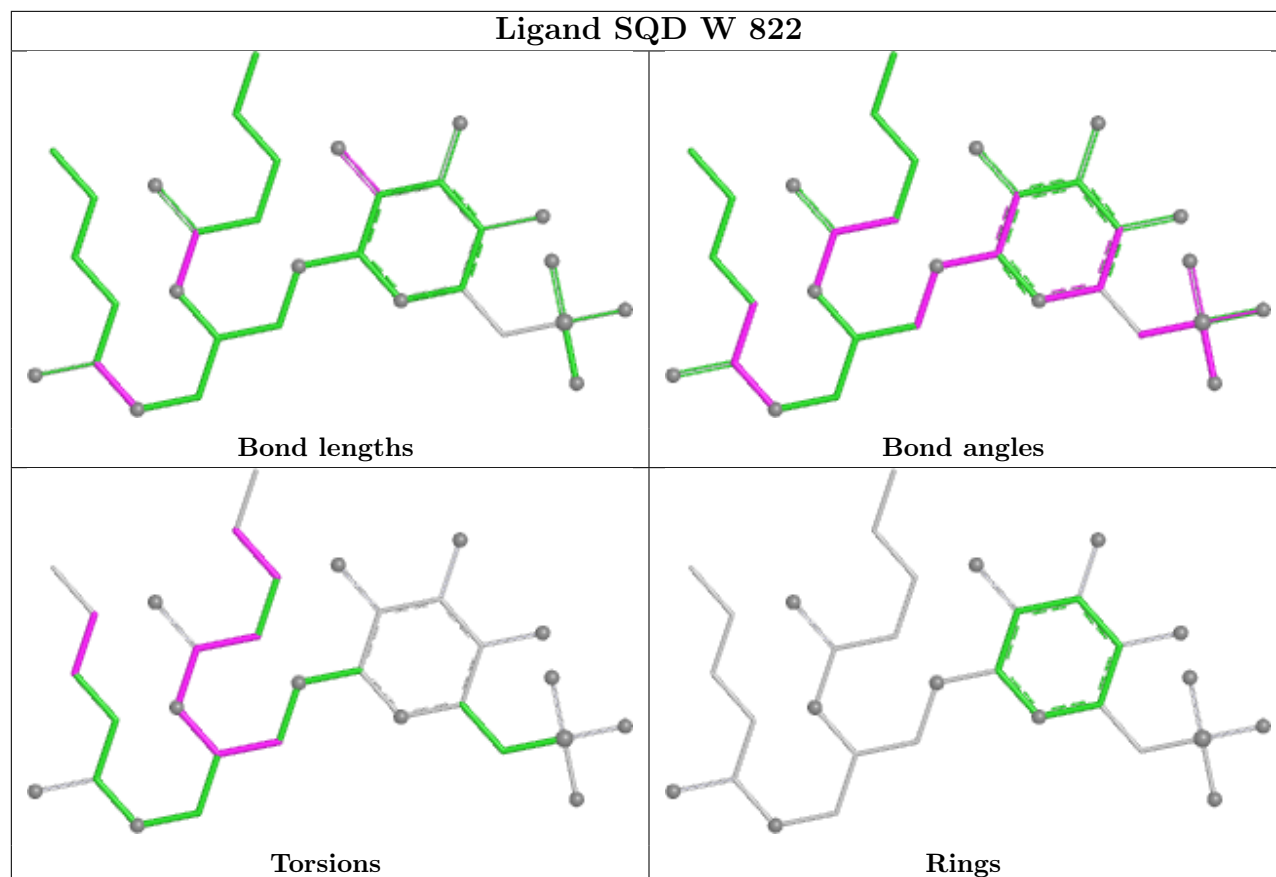


Ligand CLA aA 1123

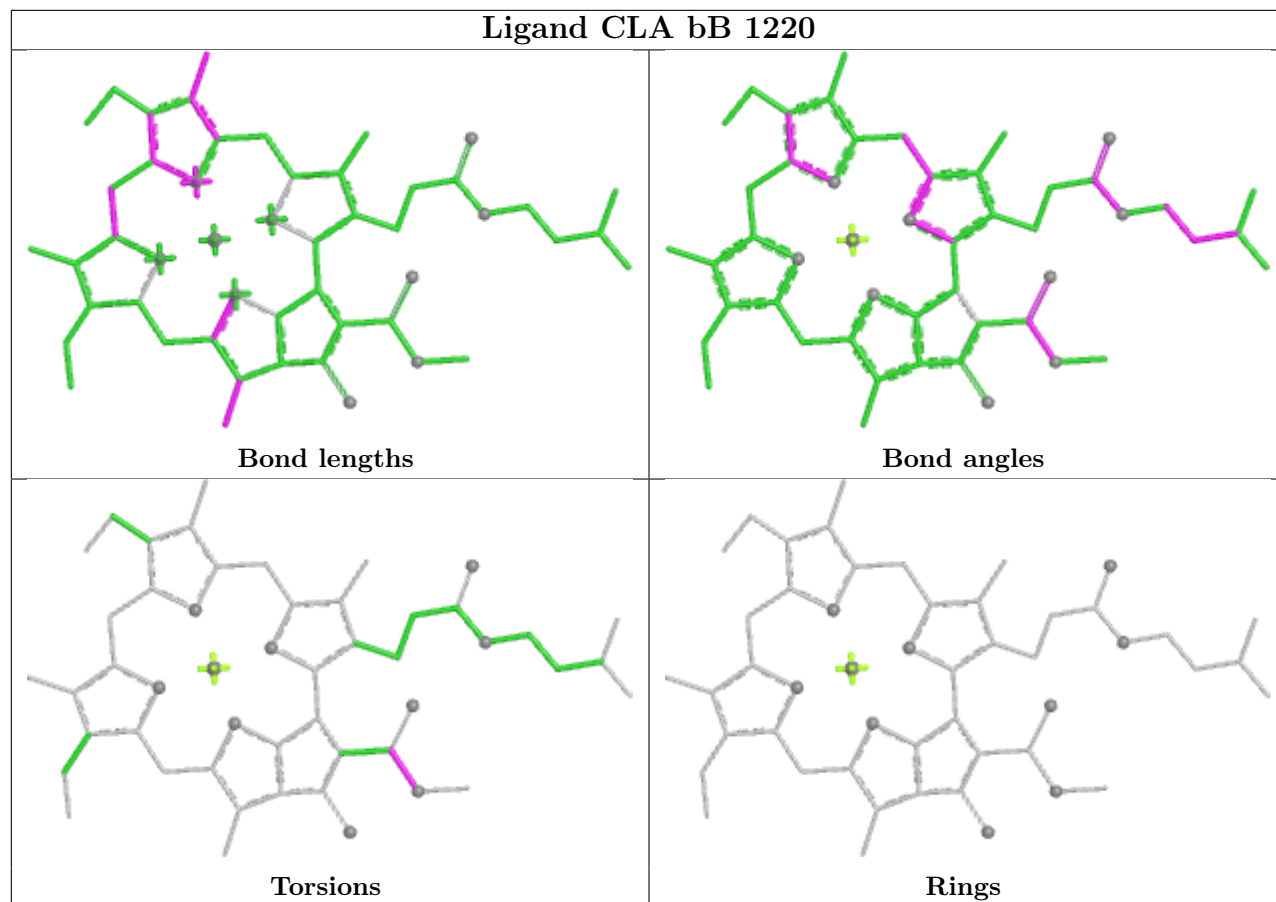


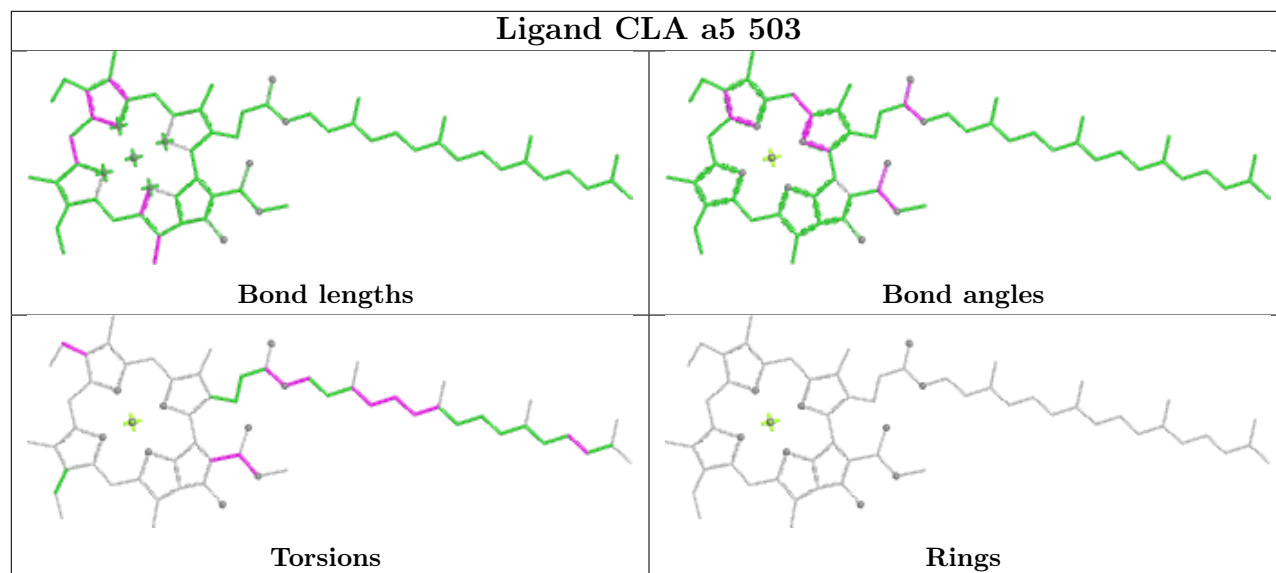
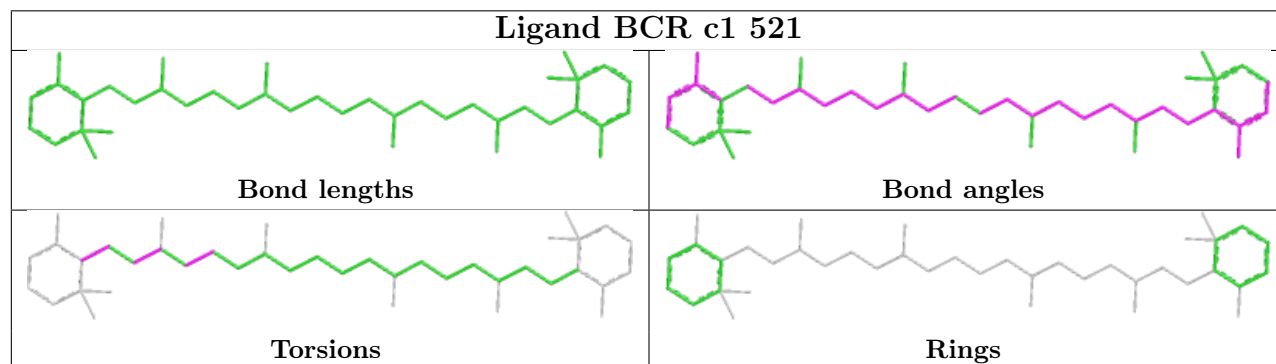
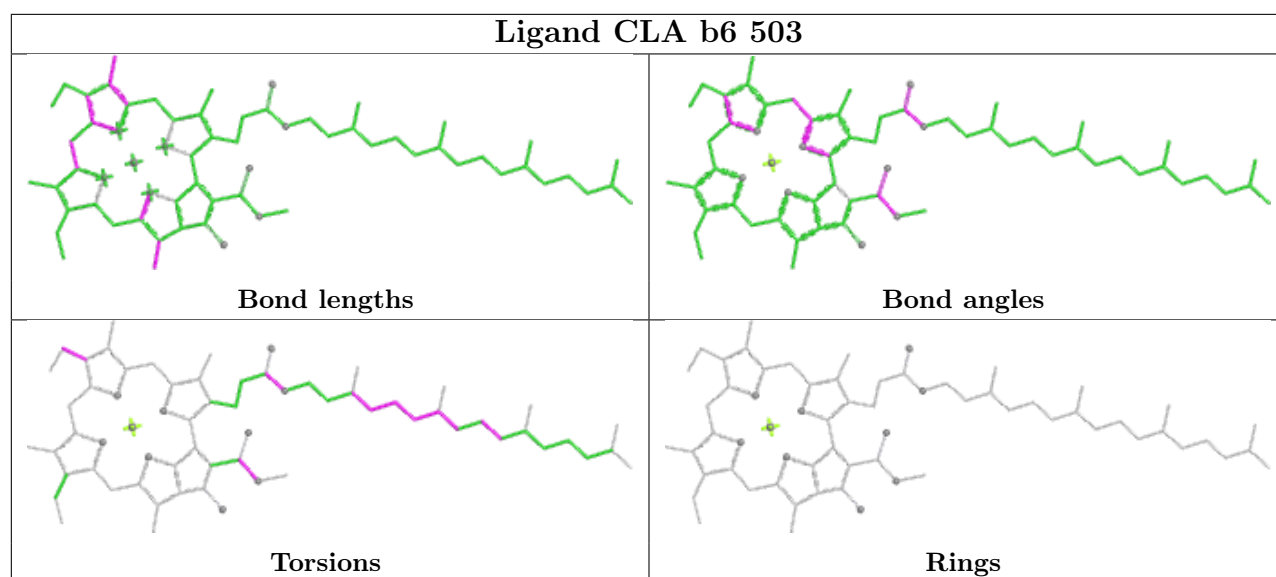


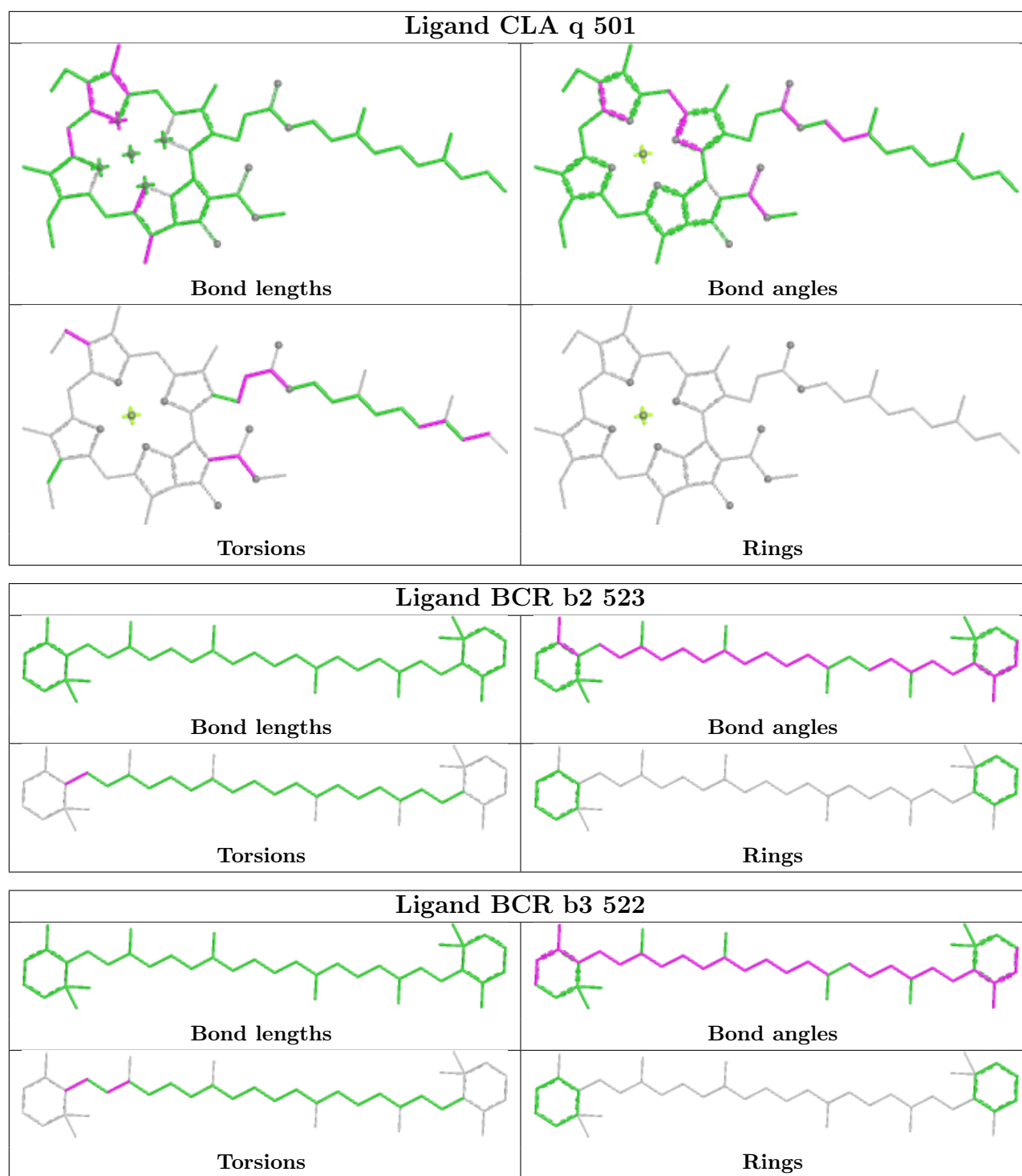
Ligand SQD W 822



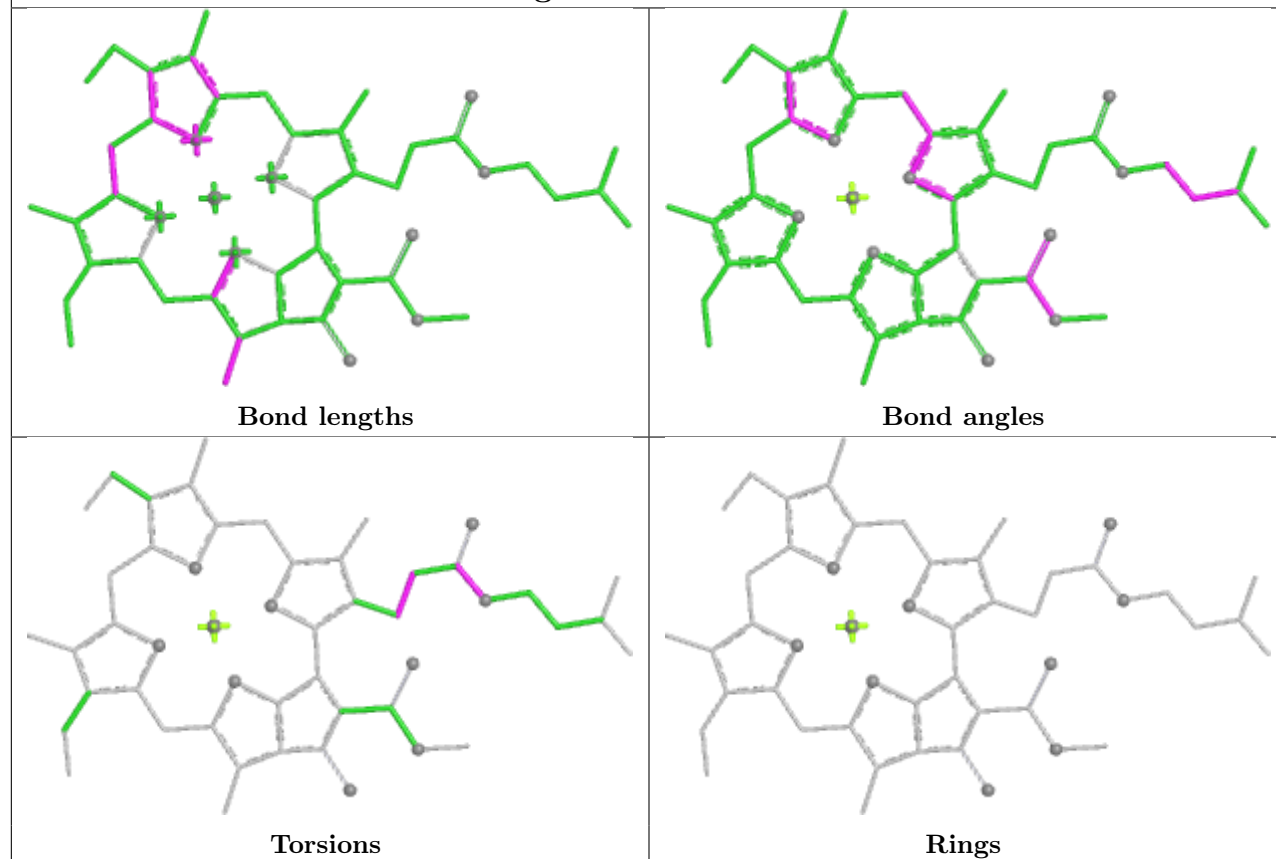
Ligand CLA bB 1220



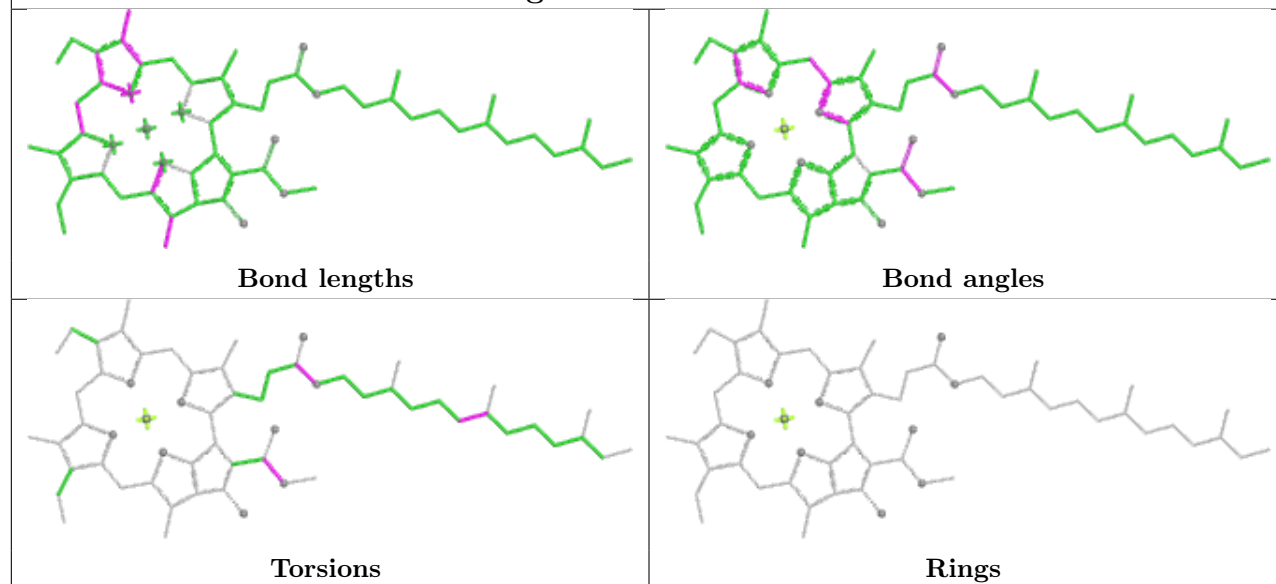


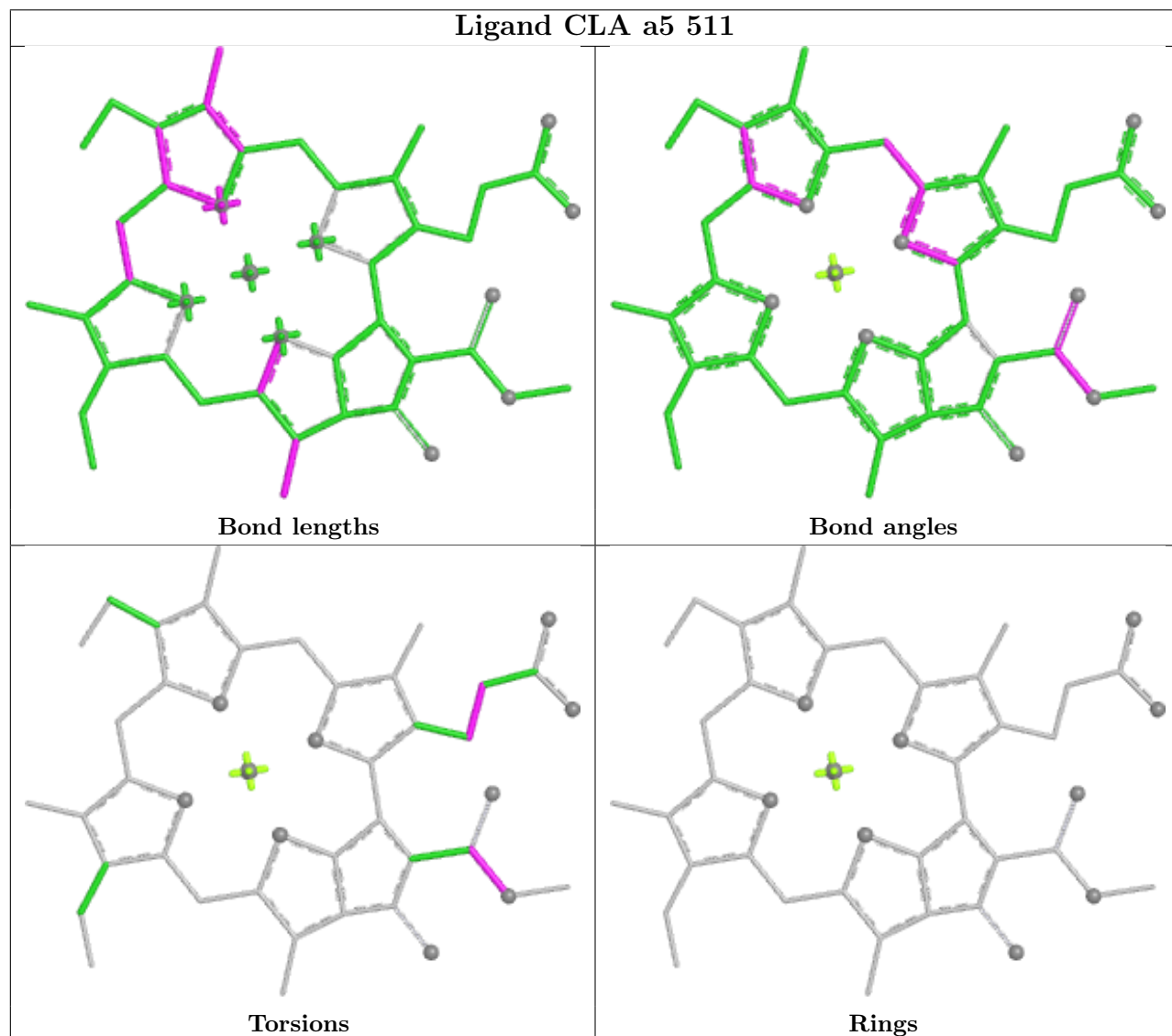
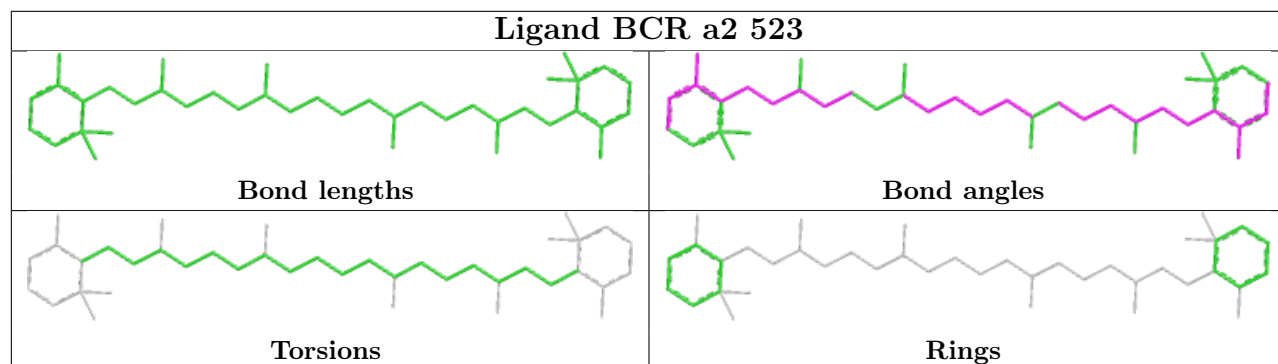


Ligand CLA Z 513

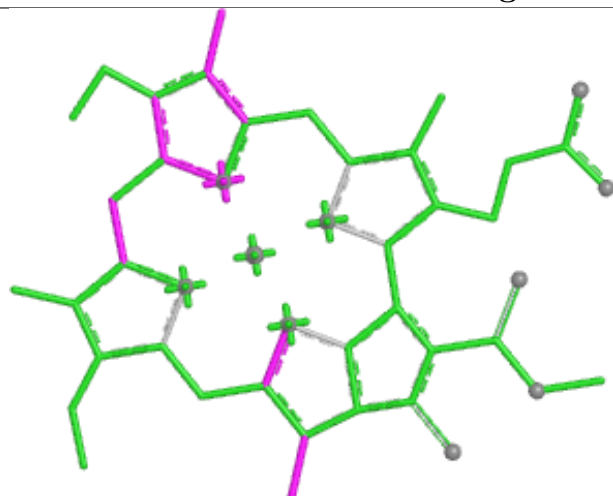


Ligand CLA b5 507

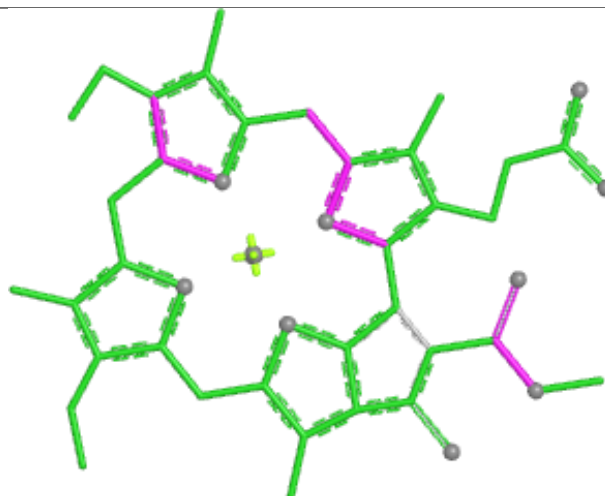




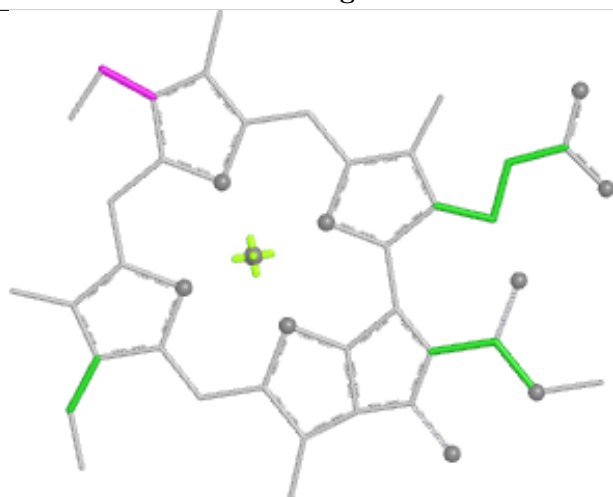
Ligand CLA cF 1301



Bond lengths



Bond angles

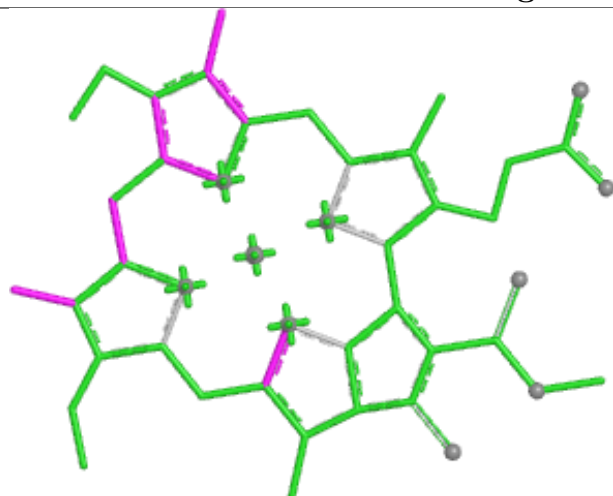


Torsions

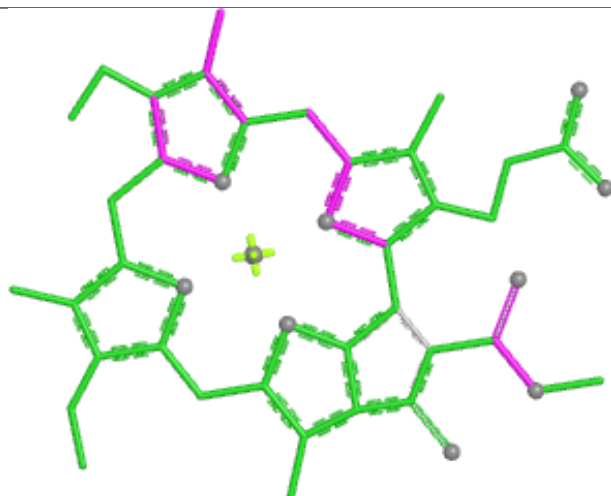


Rings

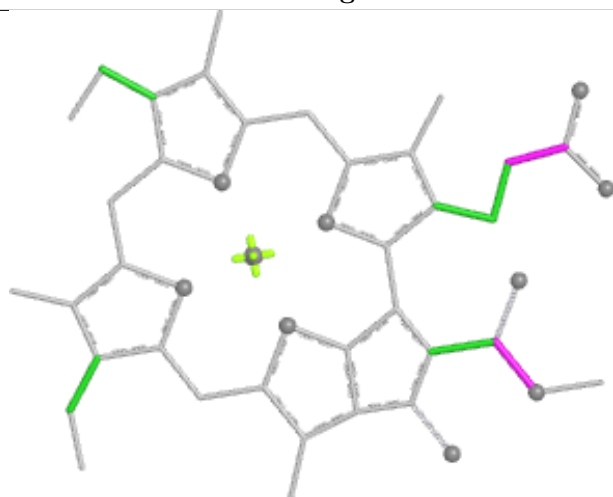
Ligand CLA b 508



Bond lengths



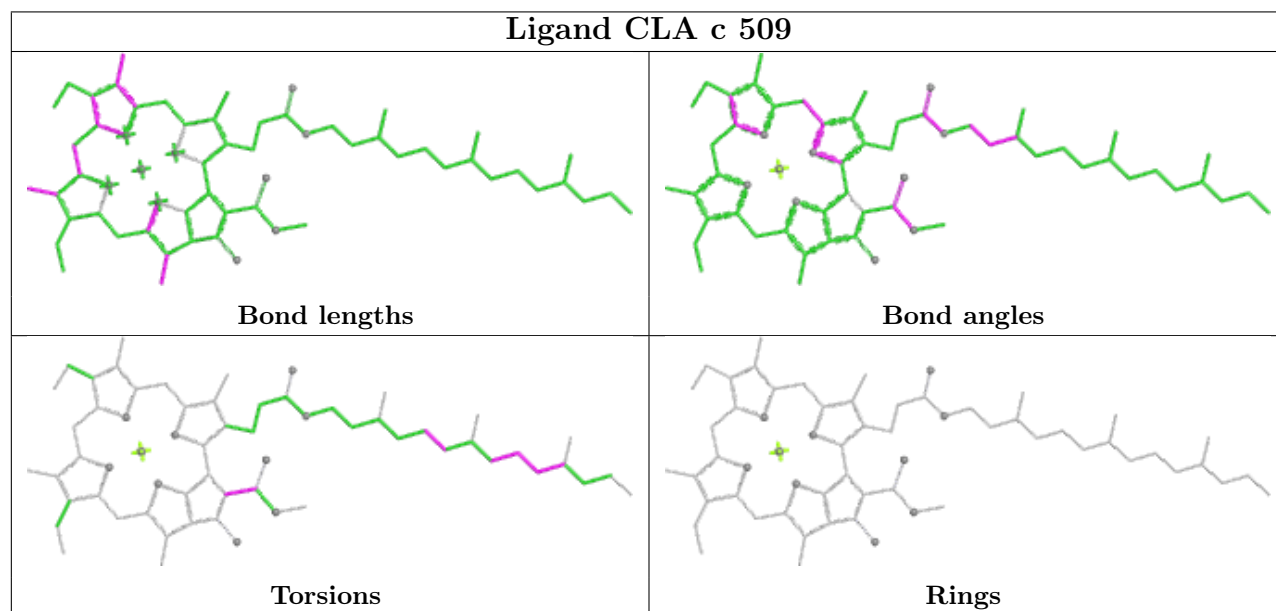
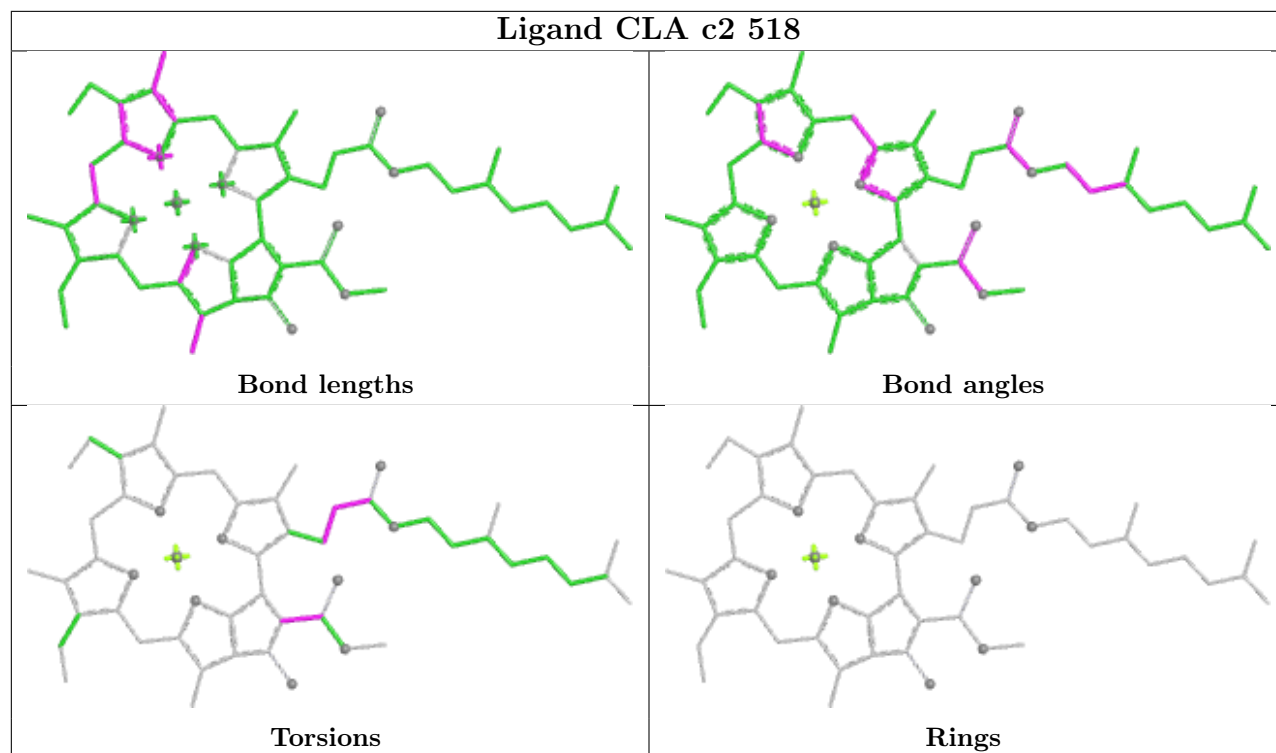
Bond angles



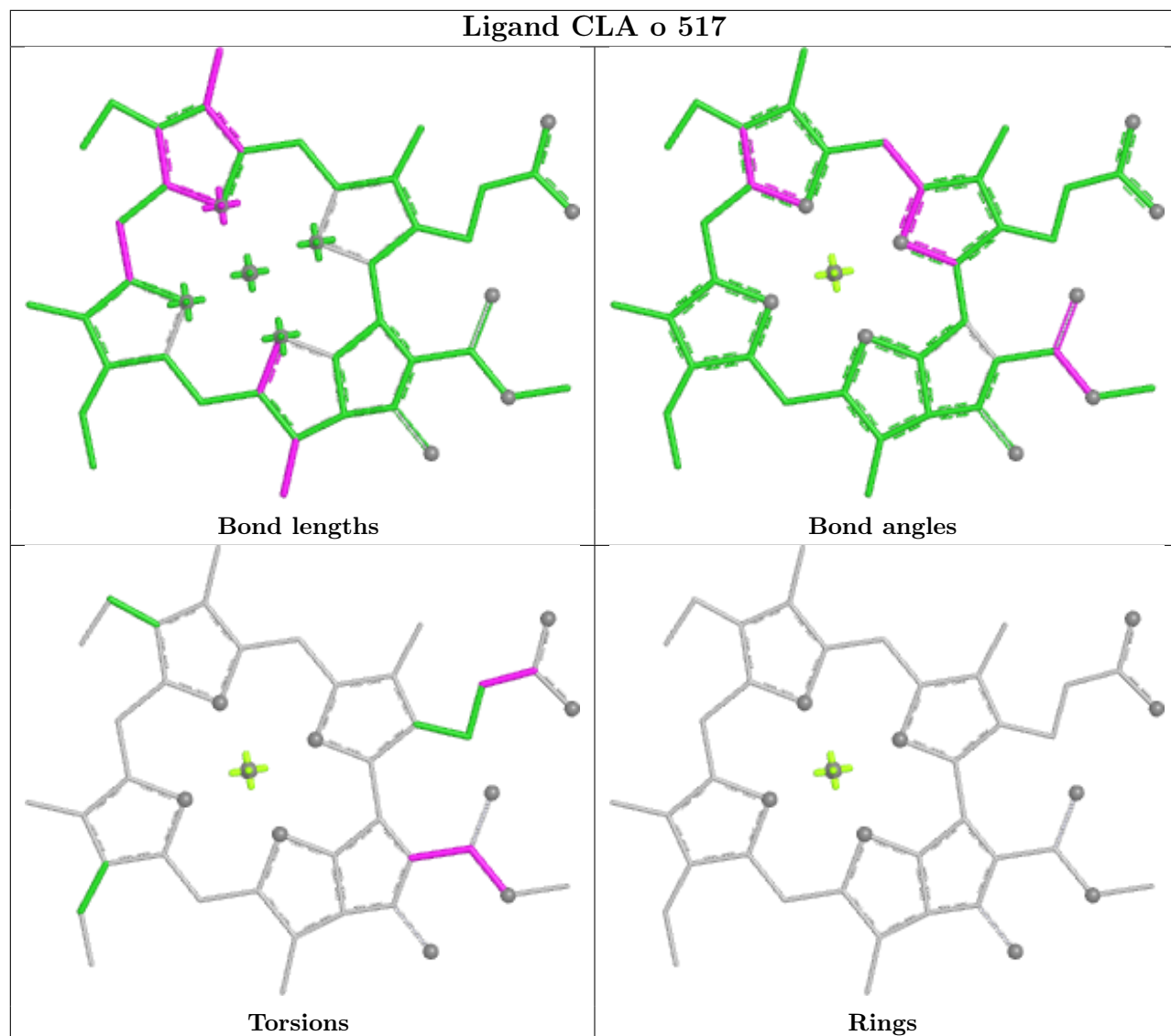
Torsions



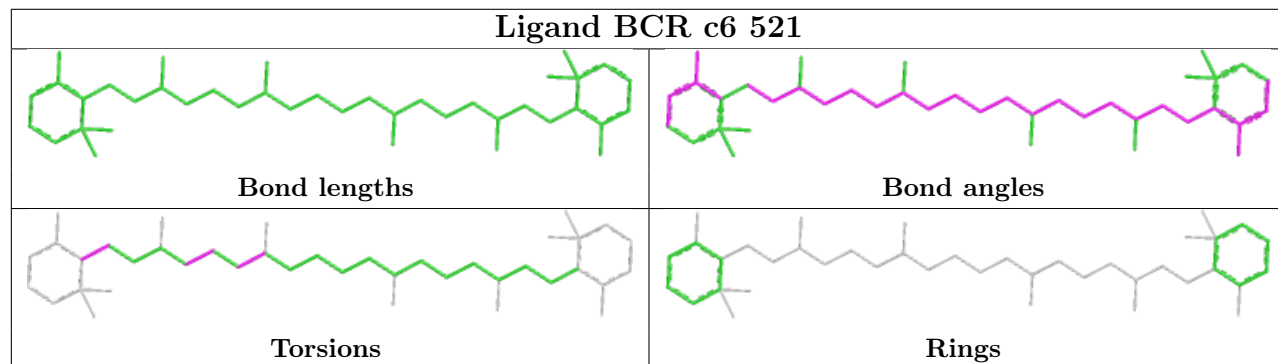
Rings

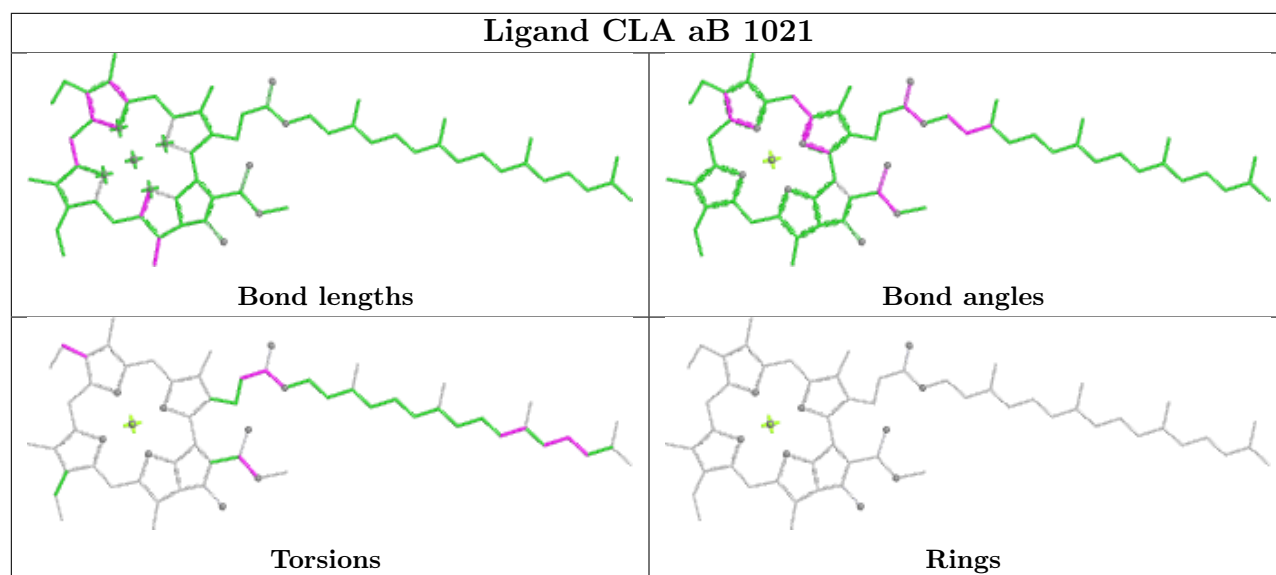
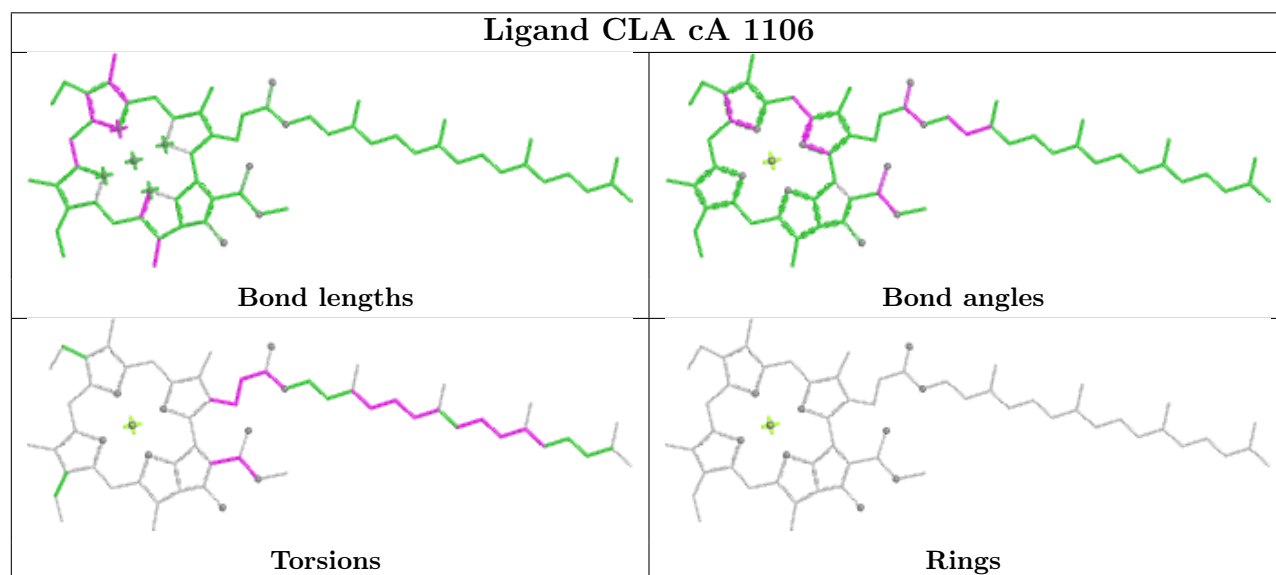
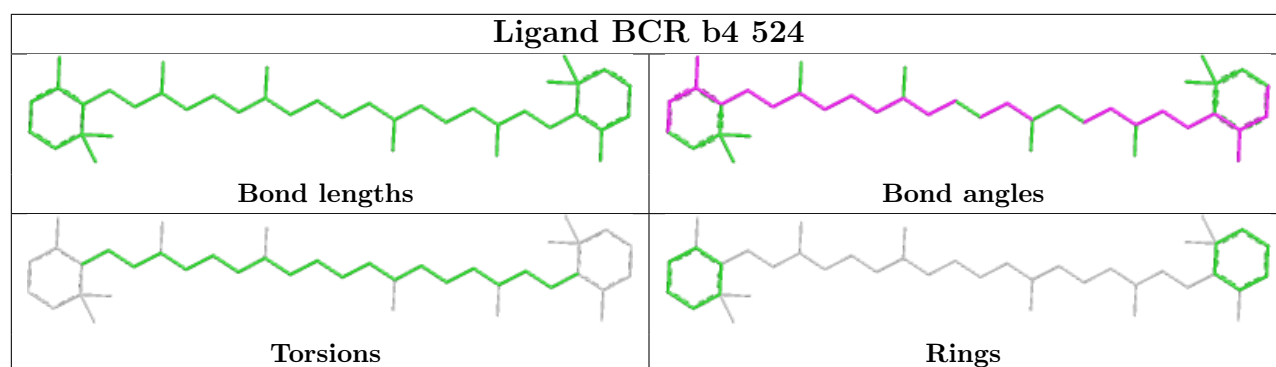


Ligand CLA o 517

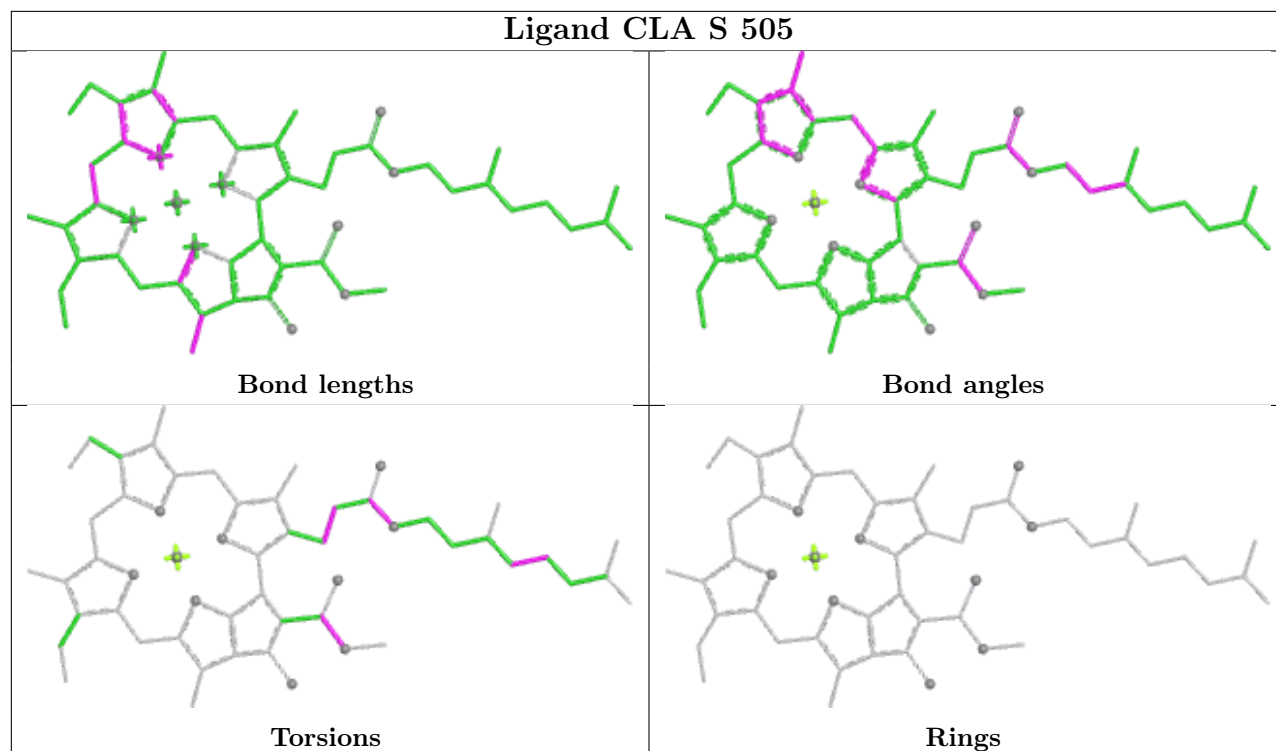


Ligand BCR c6 521

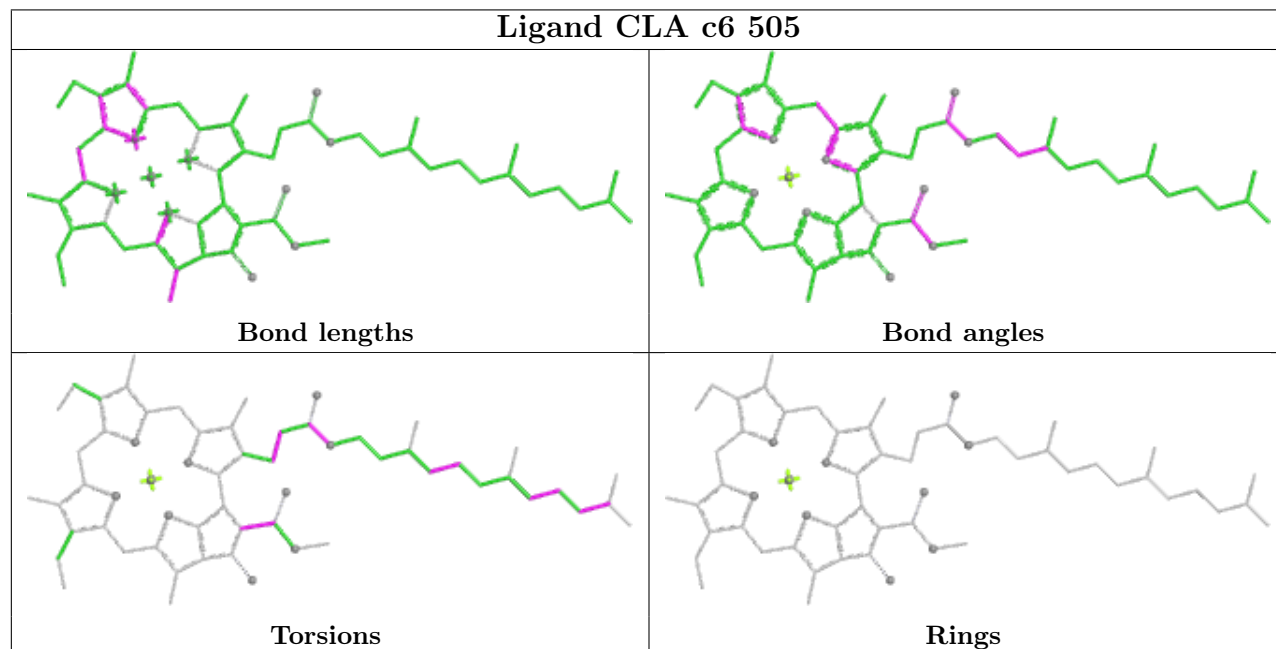




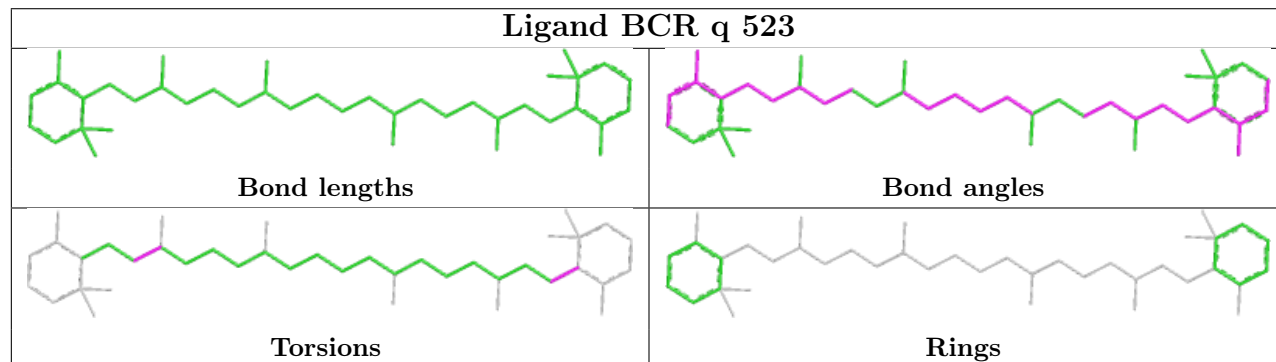
Ligand CLA S 505

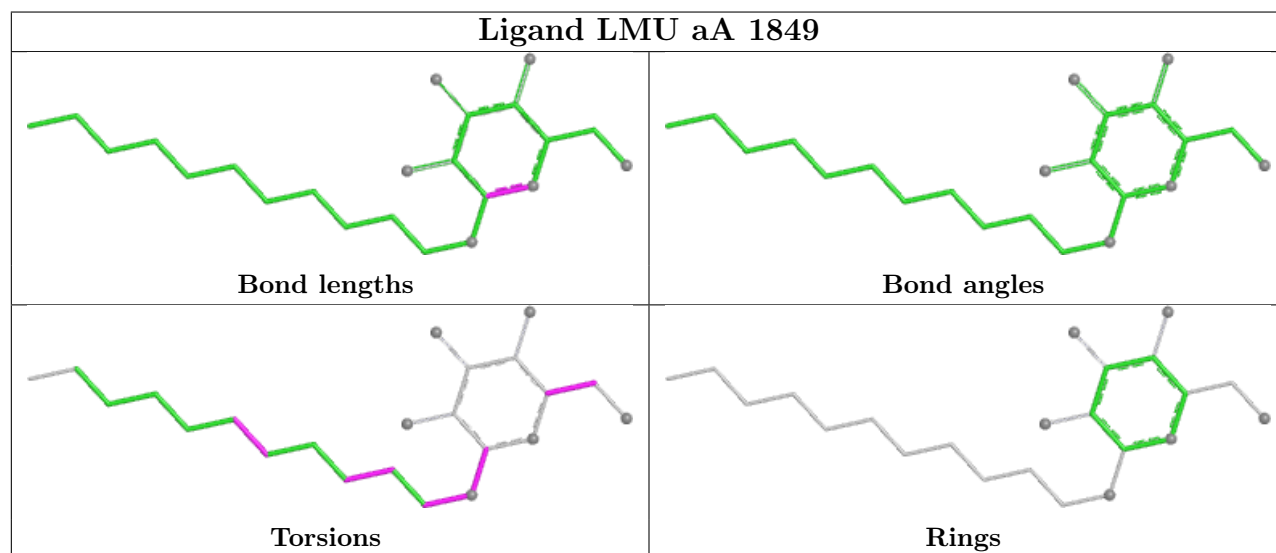
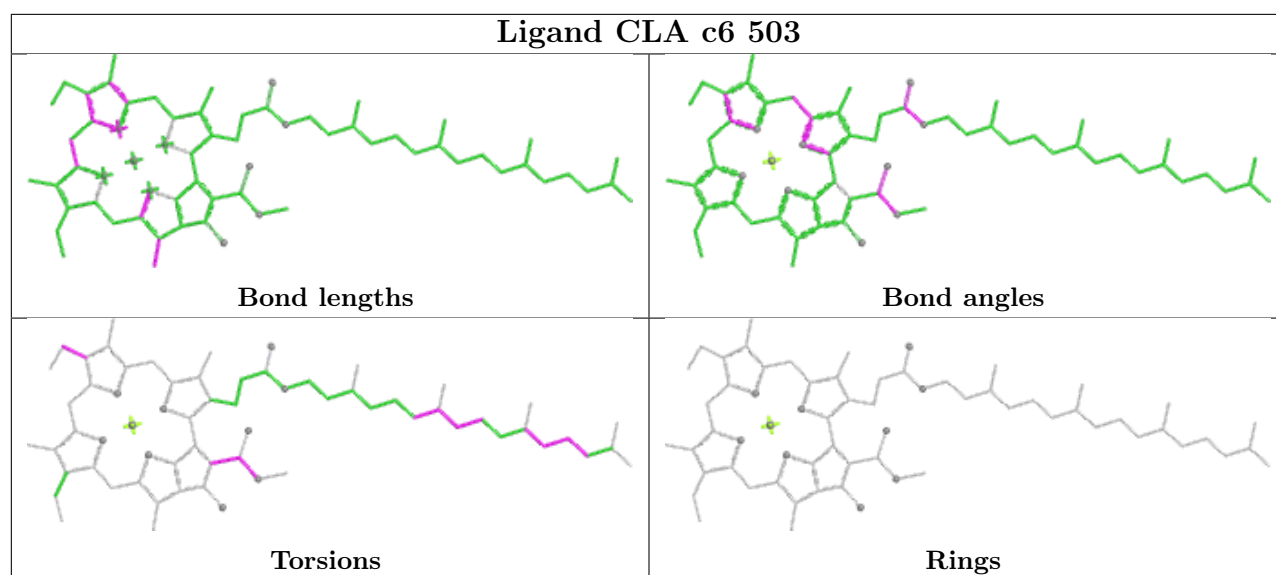


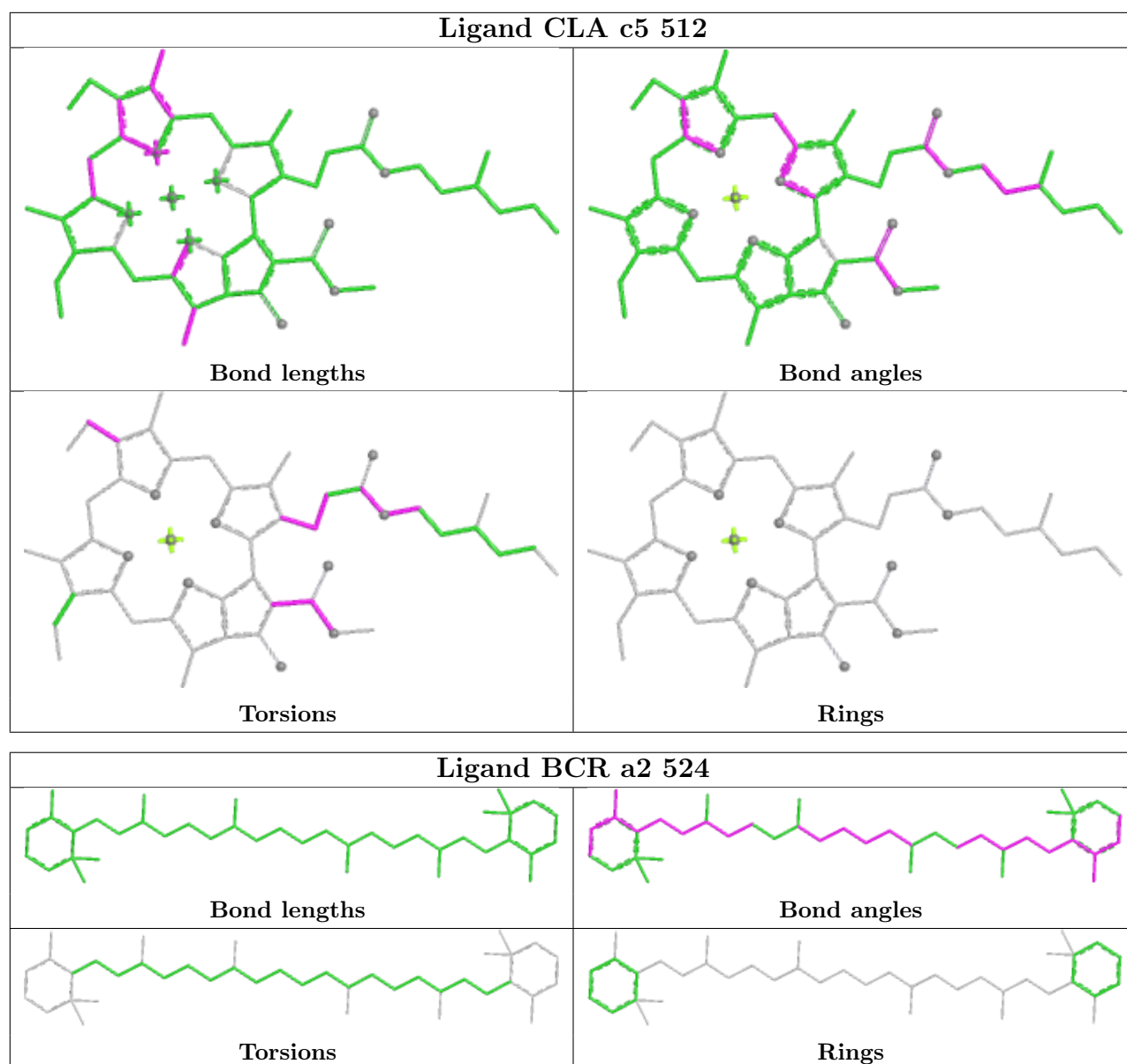
Ligand CLA c6 505

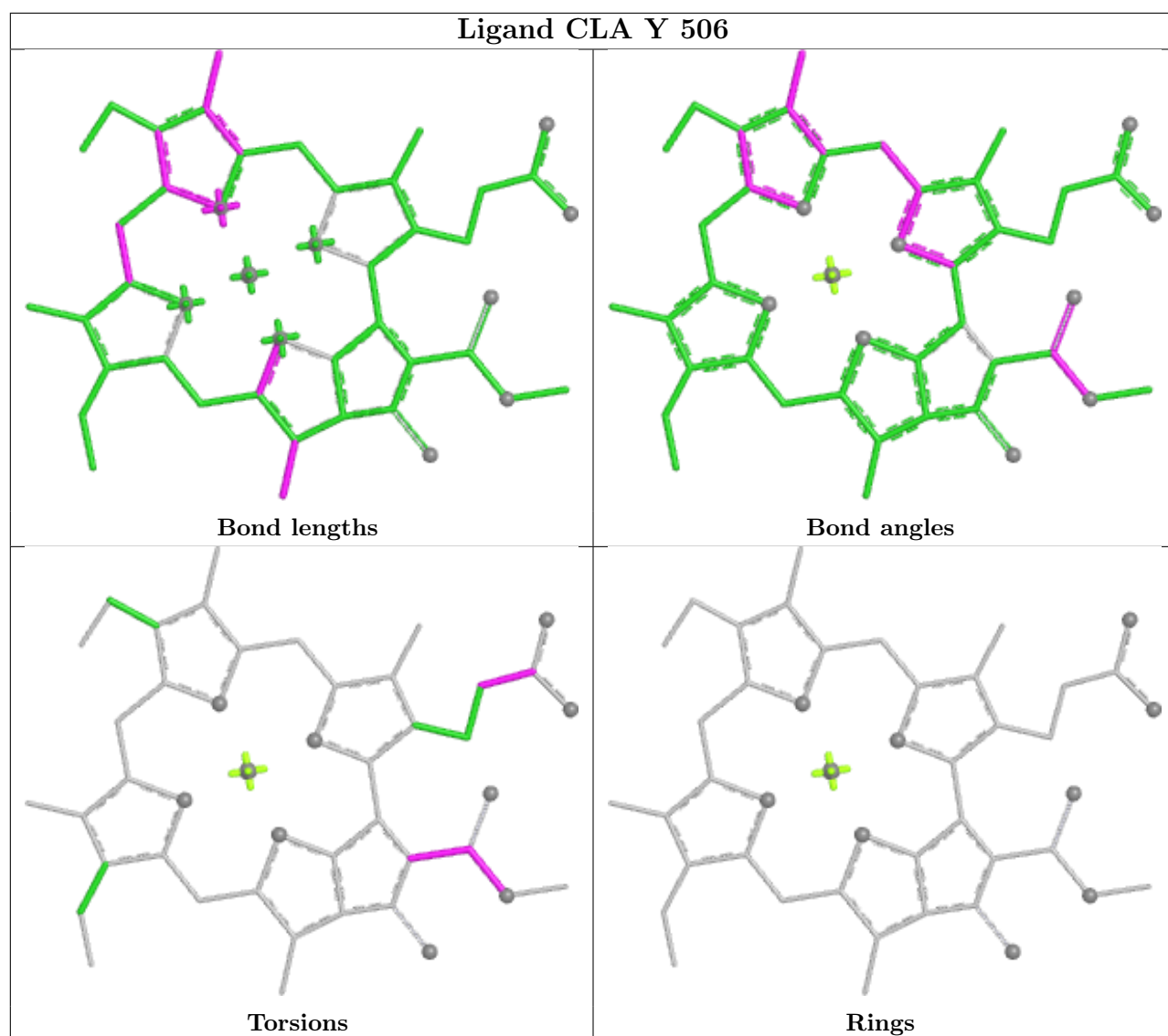


Ligand BCR q 523

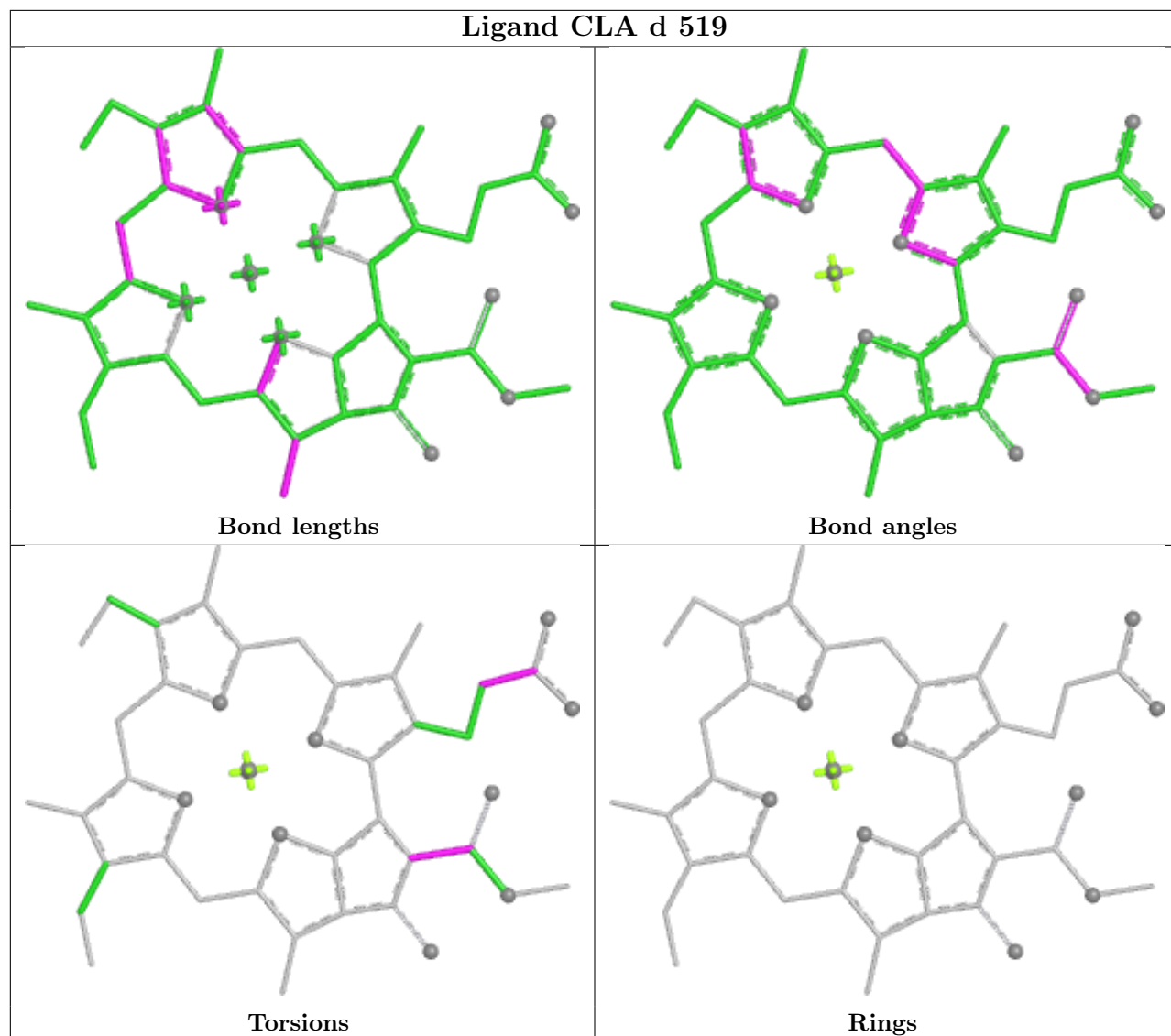




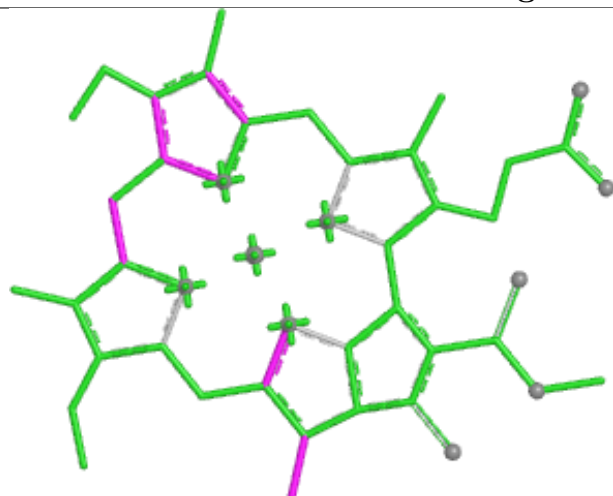




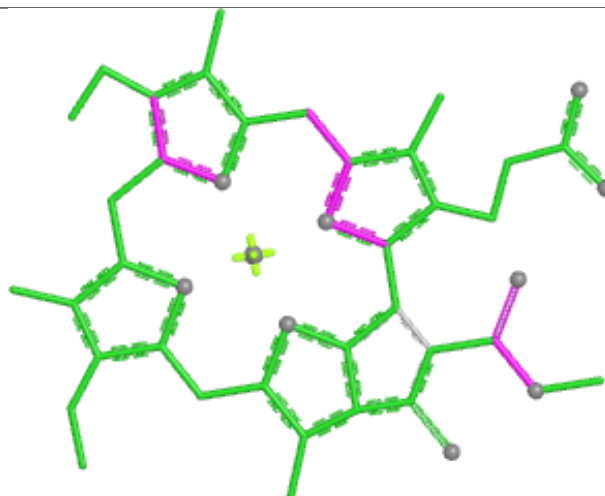
Ligand CLA d 519



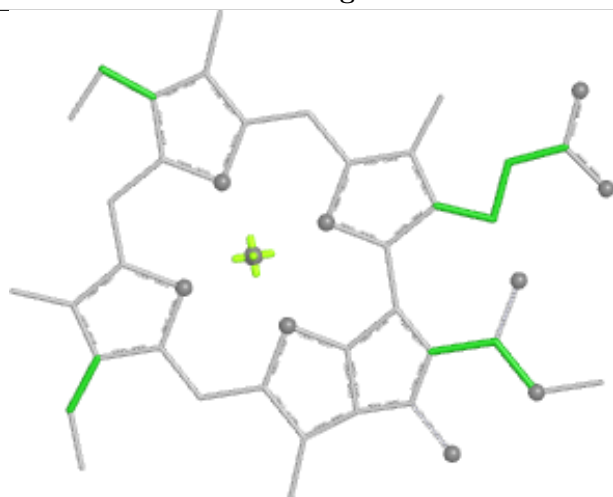
Ligand CLA k 503



Bond lengths



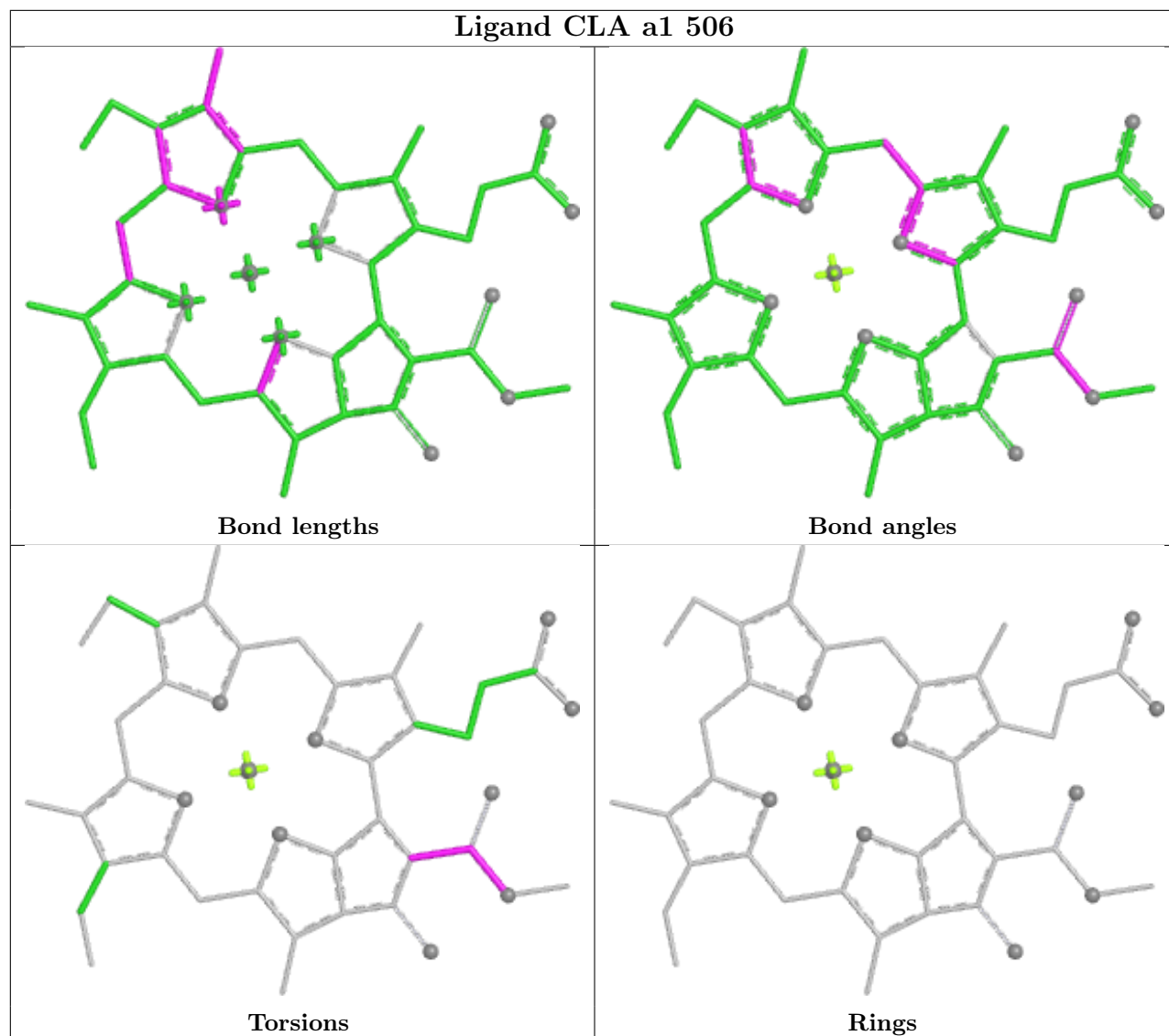
Bond angles



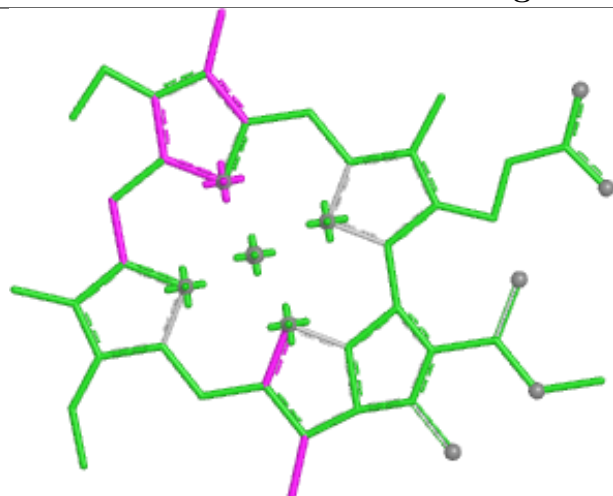
Torsions



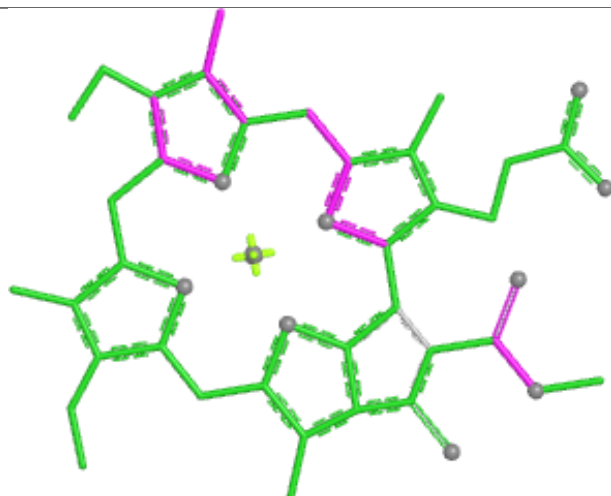
Rings



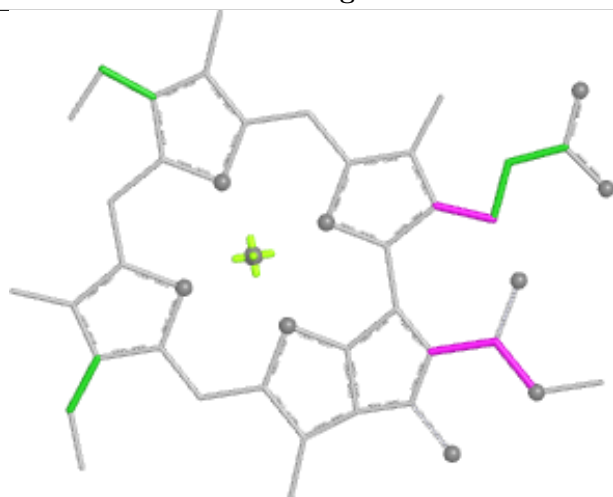
Ligand CLA U 512



Bond lengths



Bond angles

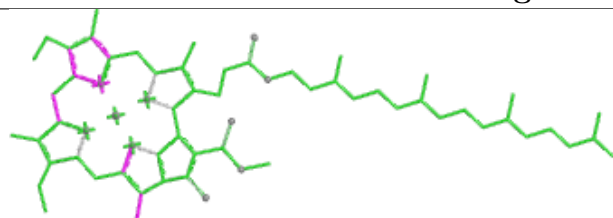


Torsions

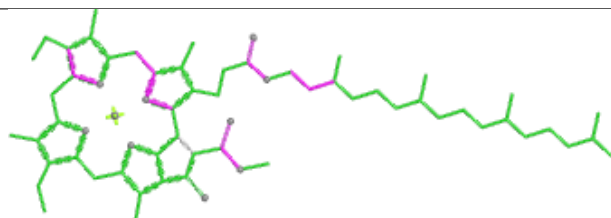


Rings

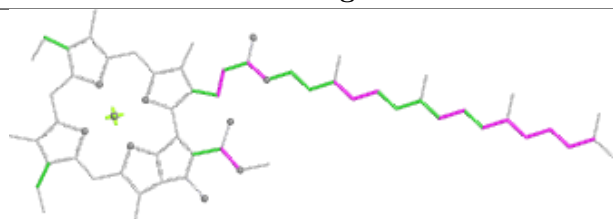
Ligand CLA Y 505



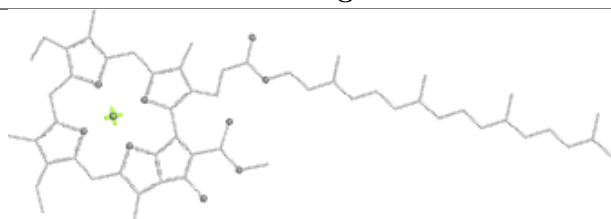
Bond lengths



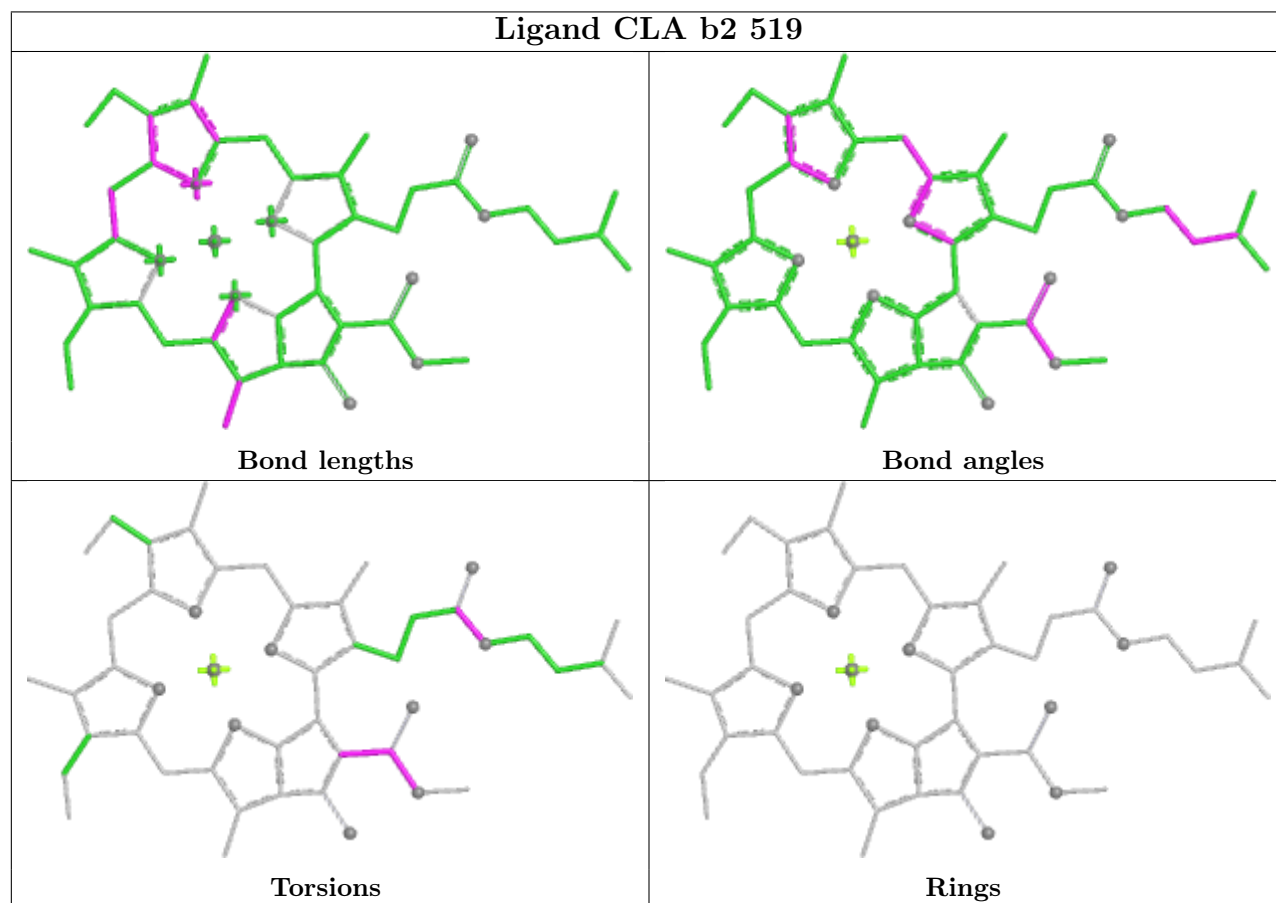
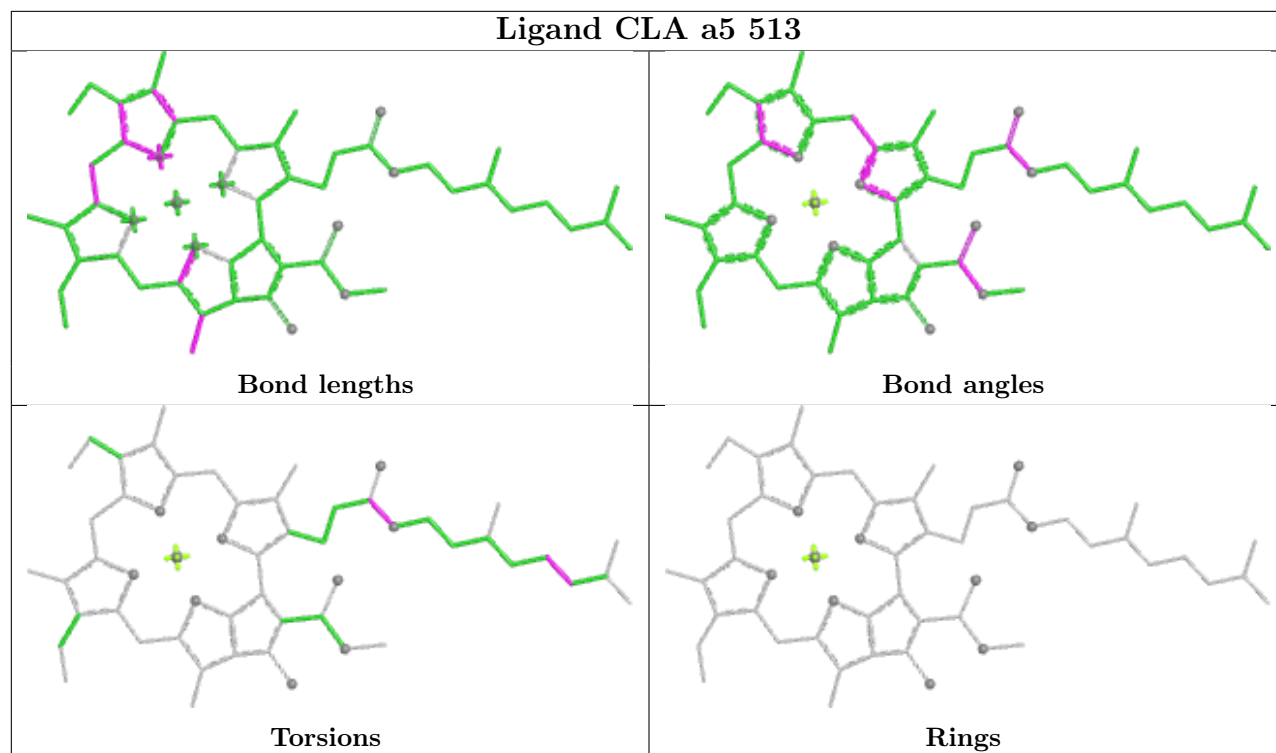
Bond angles

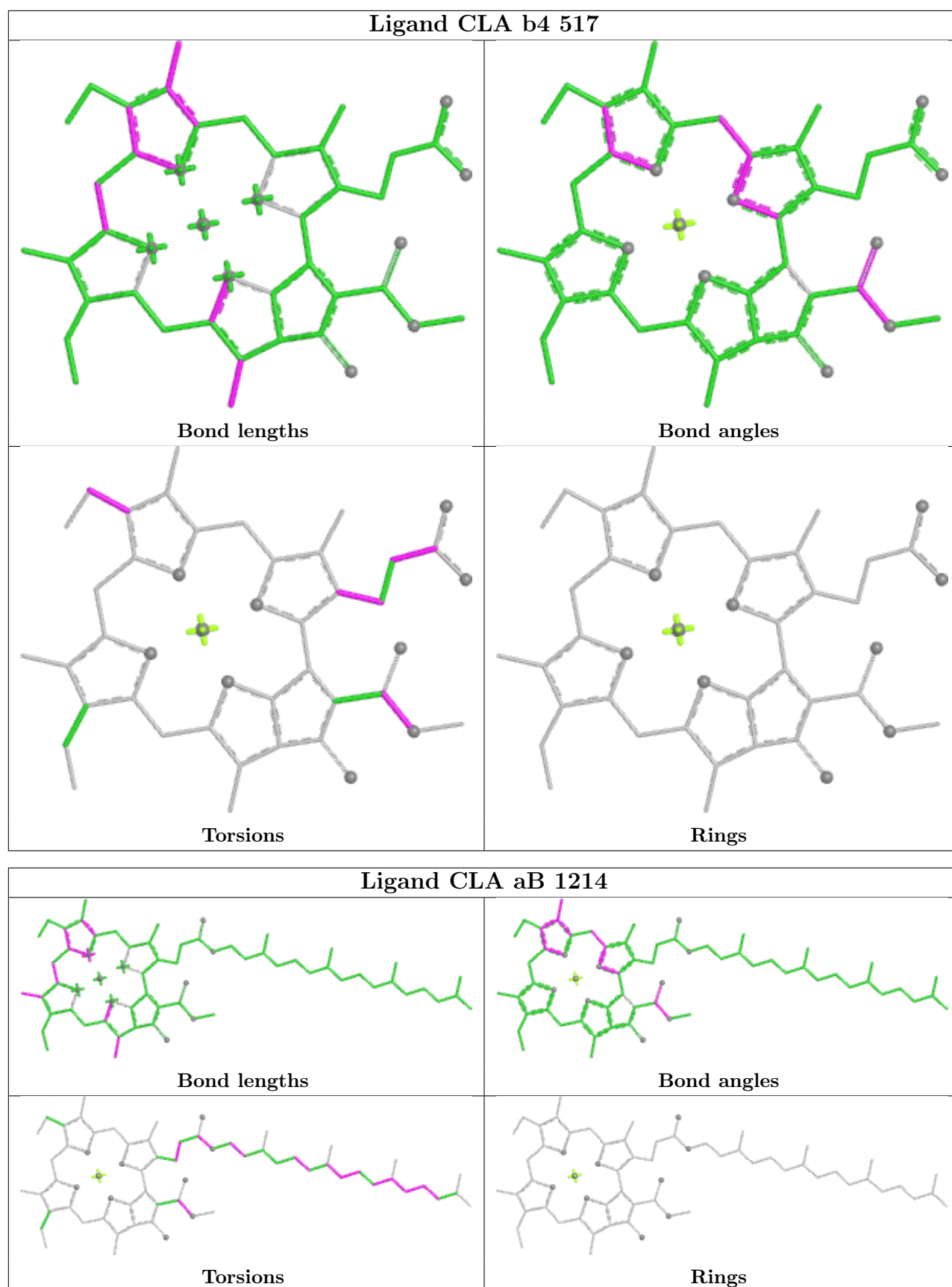


Torsions

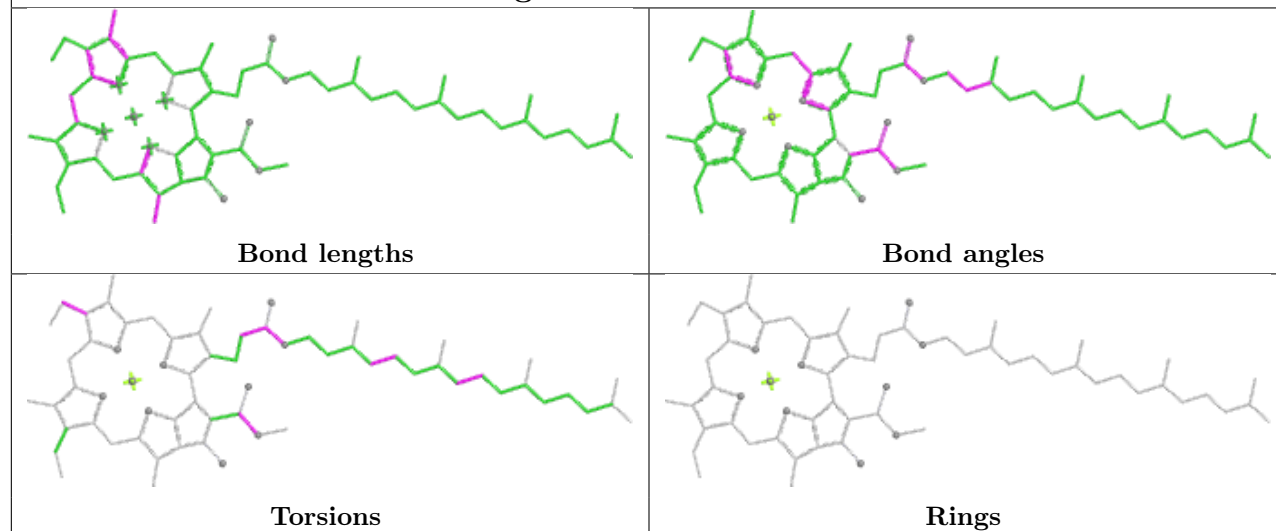


Rings

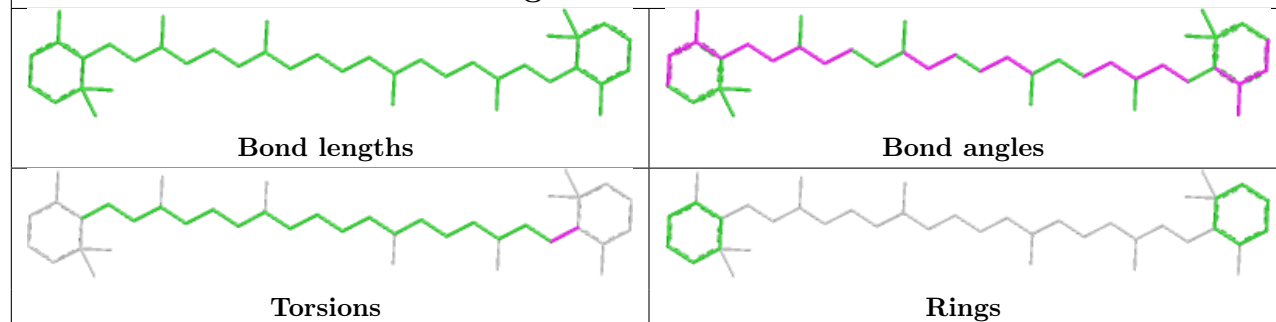




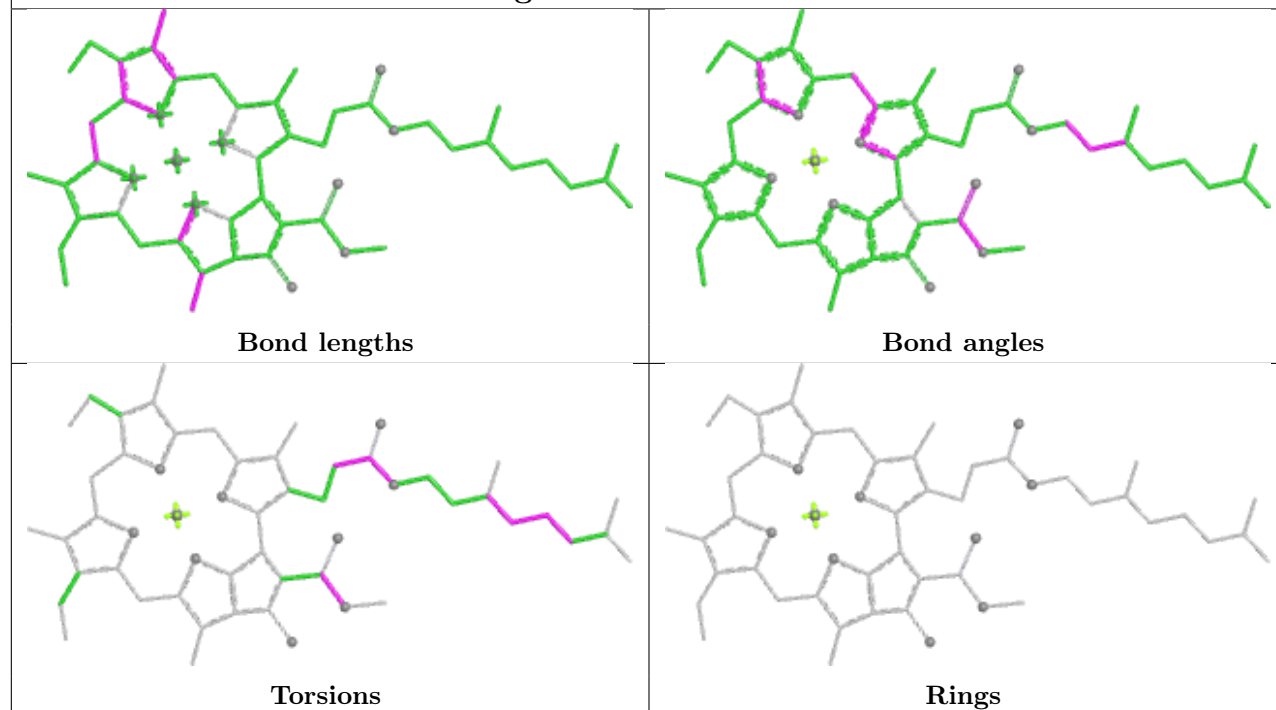
Ligand CLA cA 1011

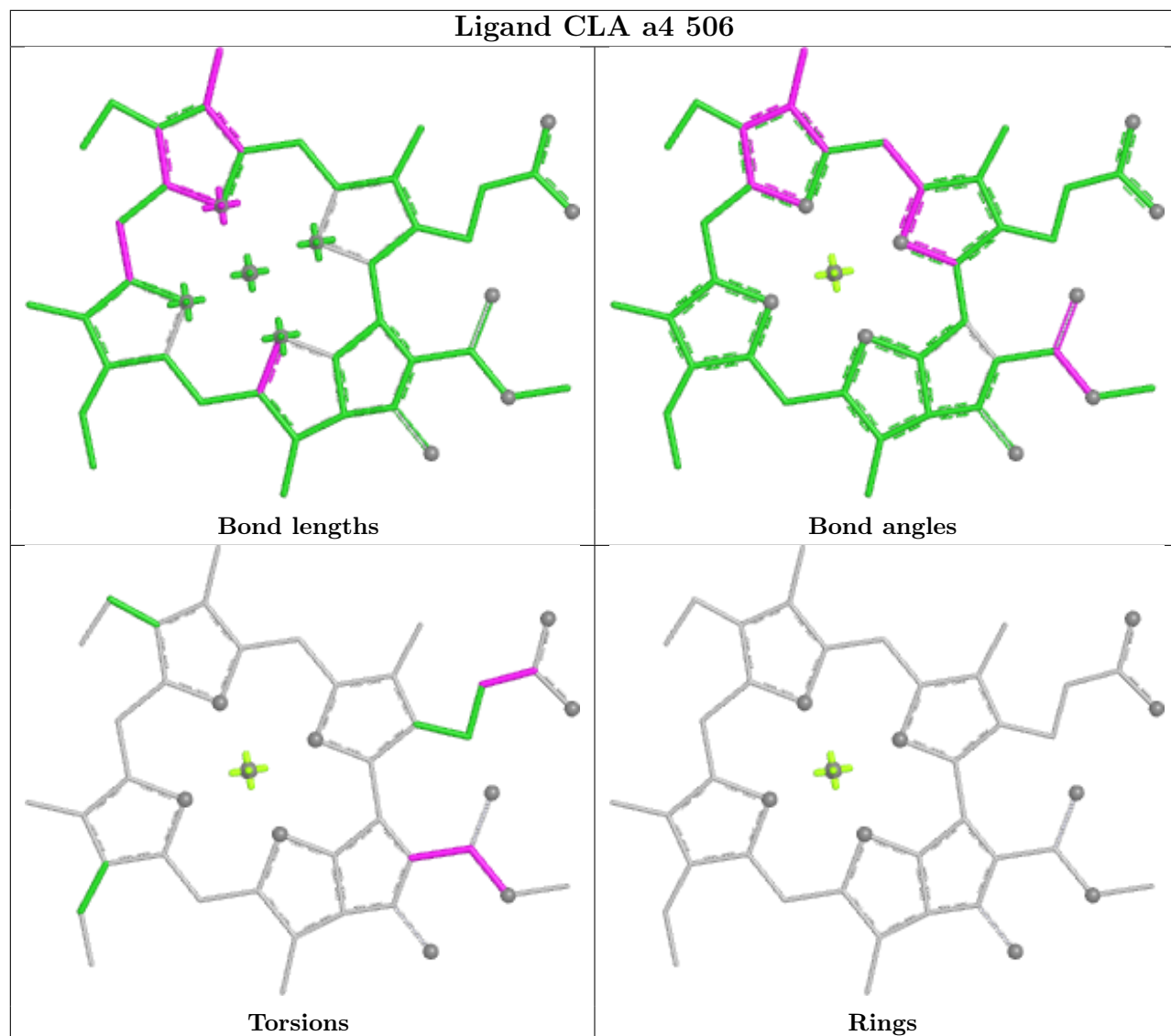


Ligand BCR b3 523

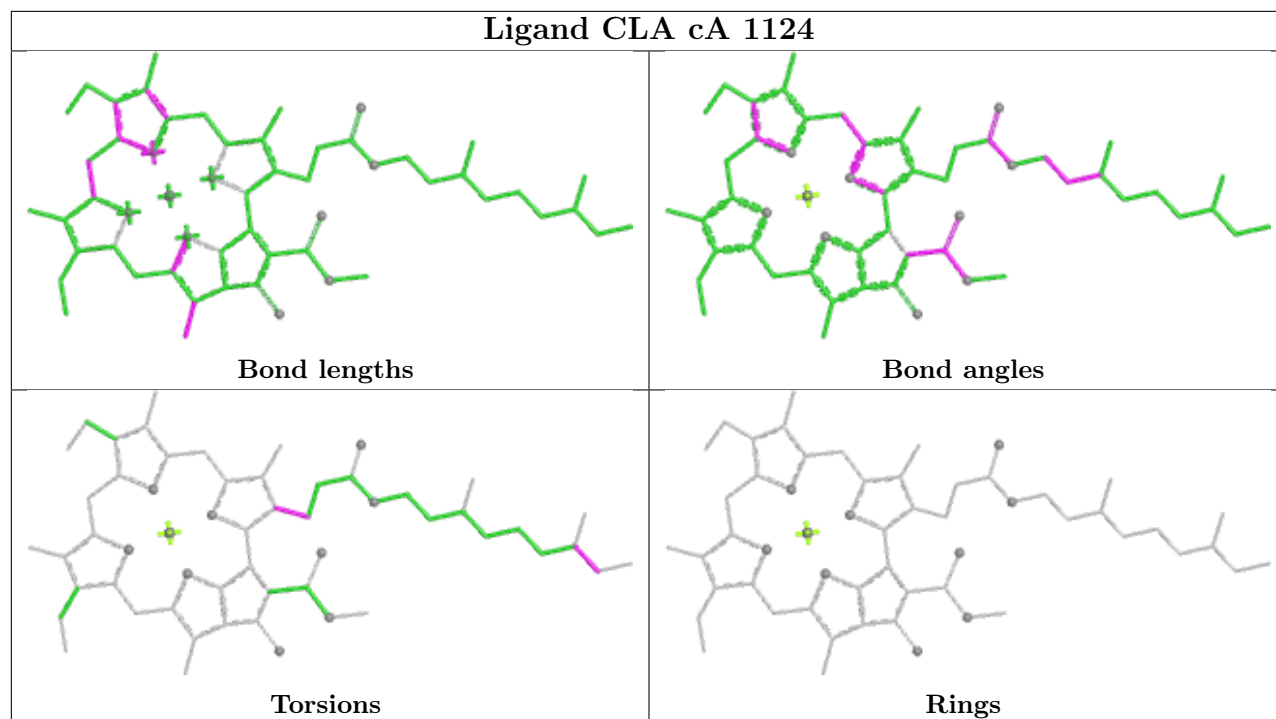


Ligand CLA cA 1137

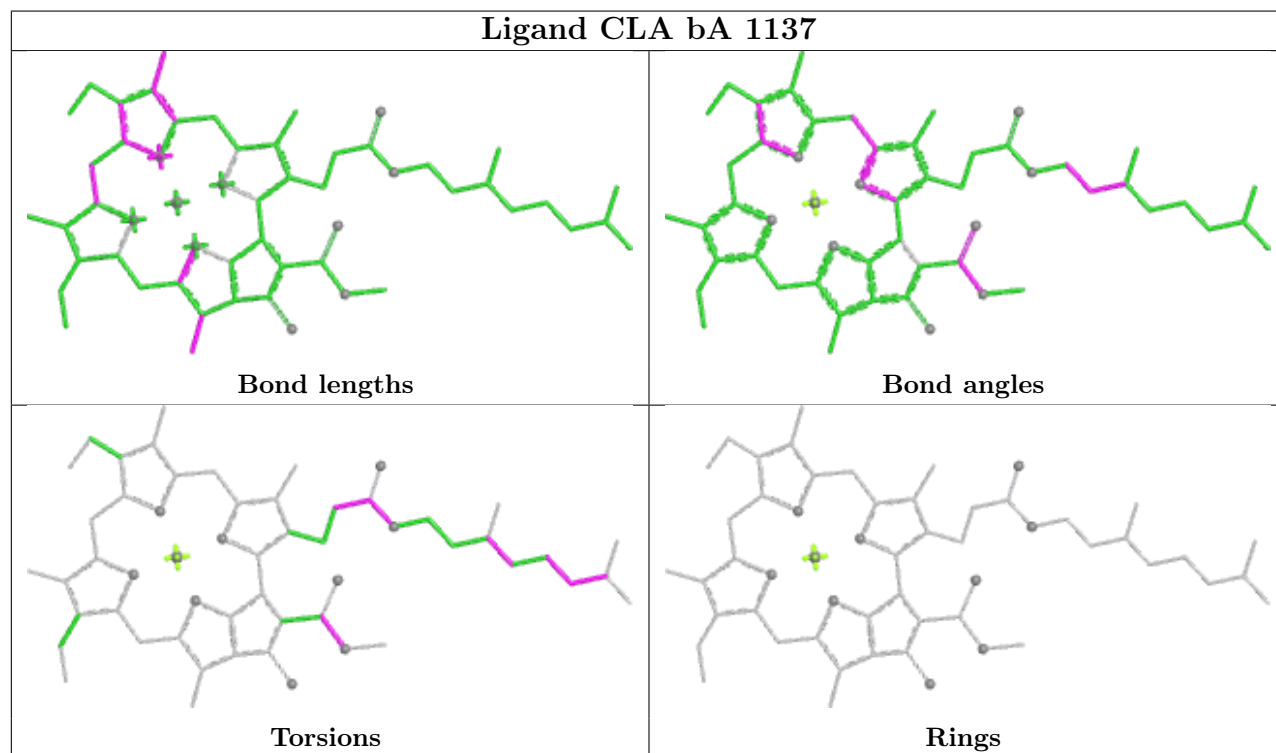


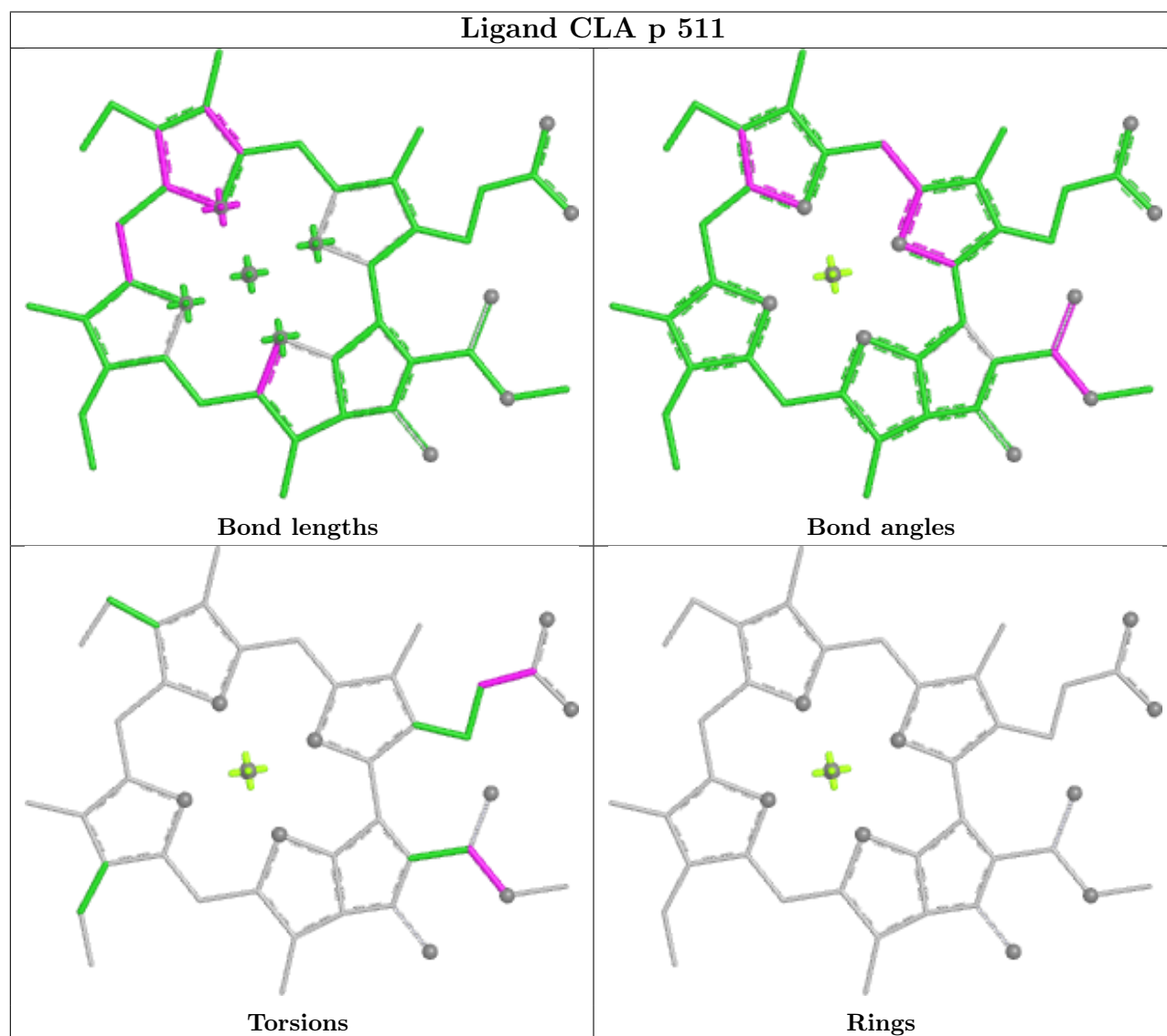
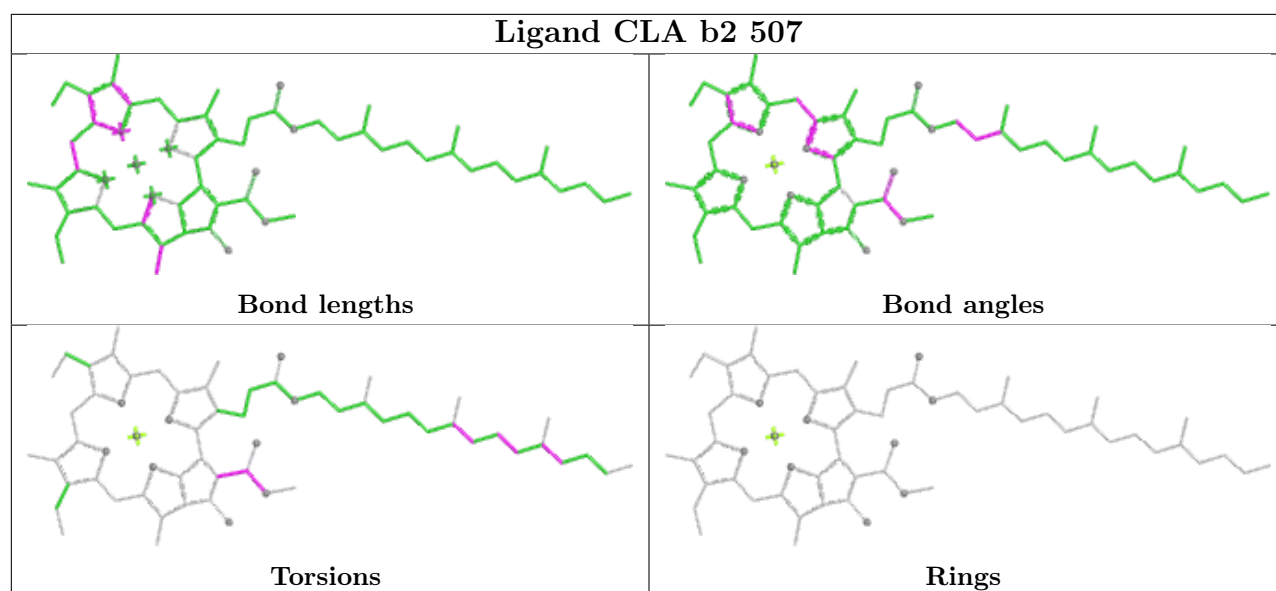


Ligand CLA cA 1124

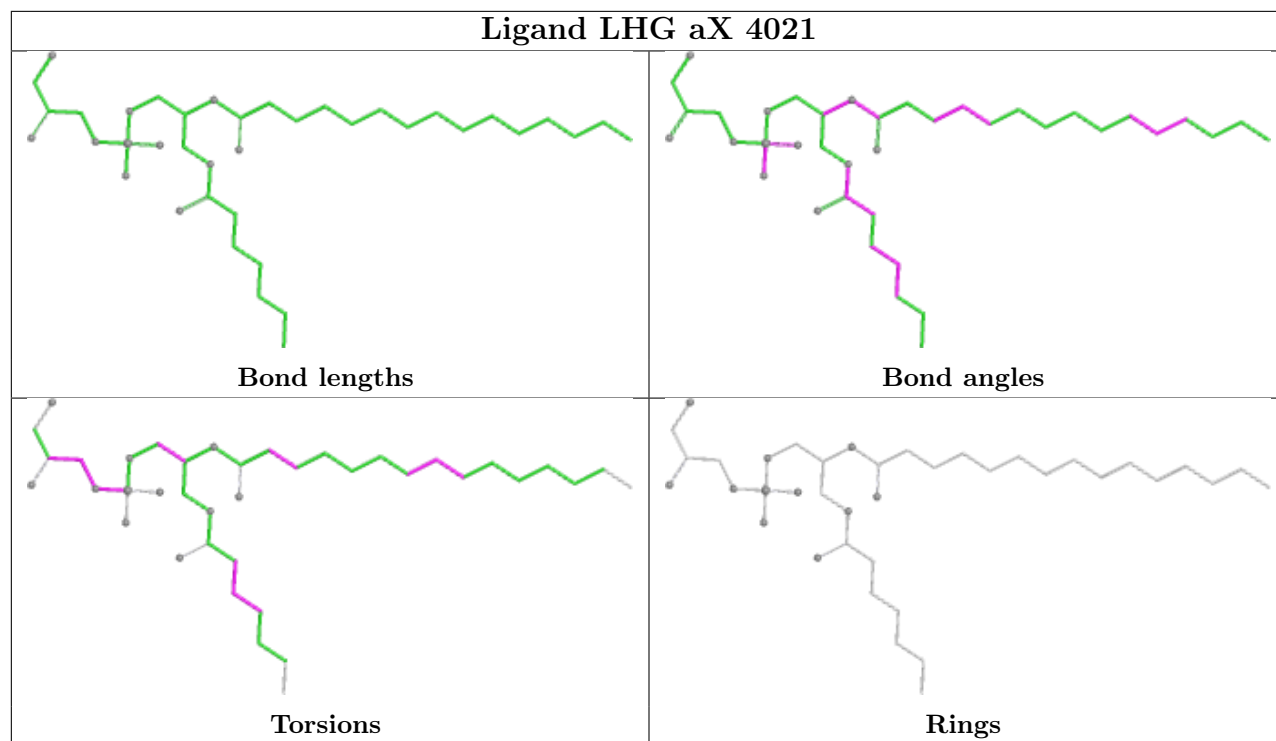


Ligand CLA bA 1137

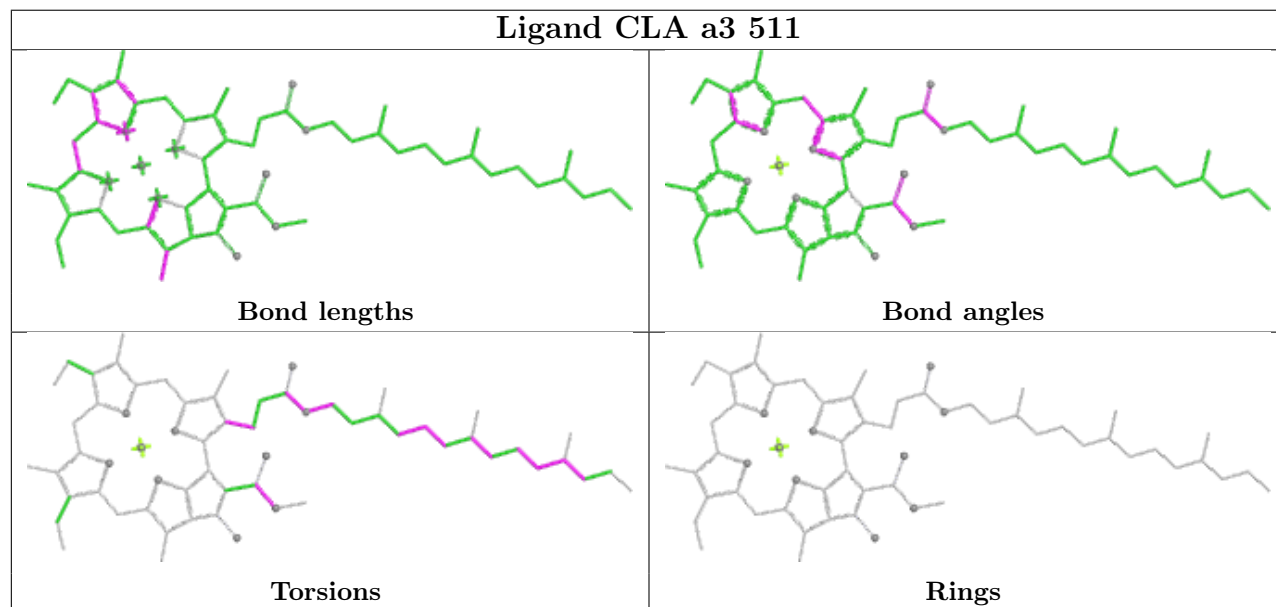




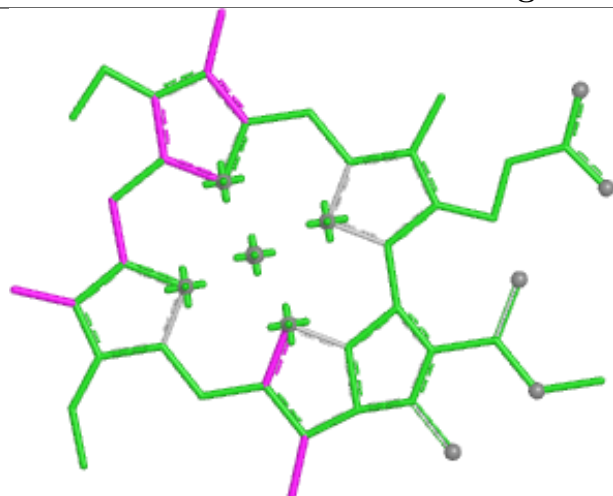
Ligand LHG aX 4021



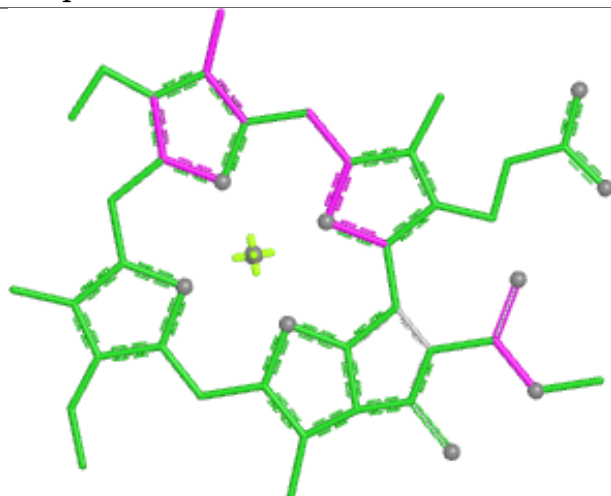
Ligand CLA a3 511



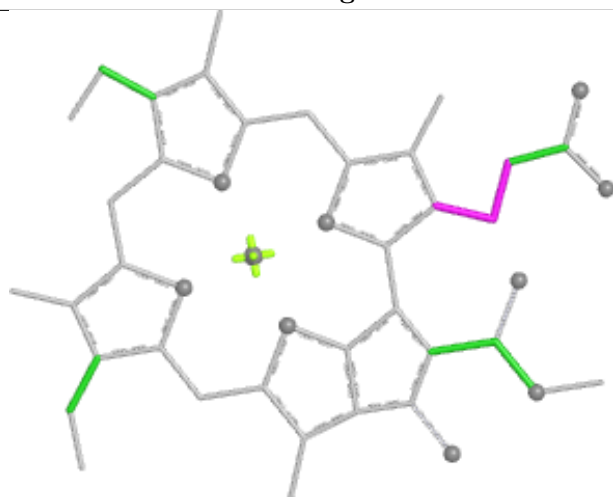
Ligand CLA q 508



Bond lengths



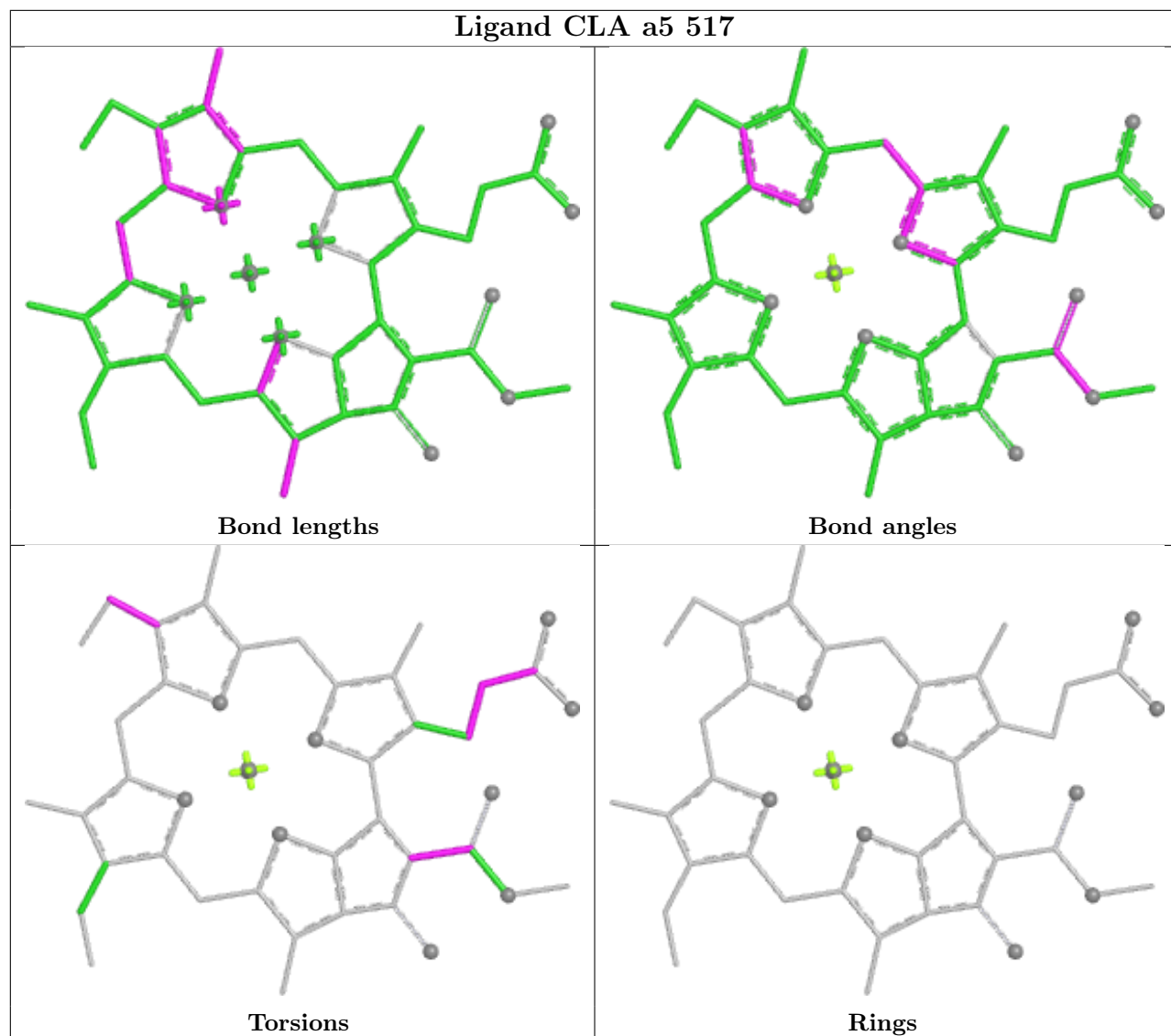
Bond angles



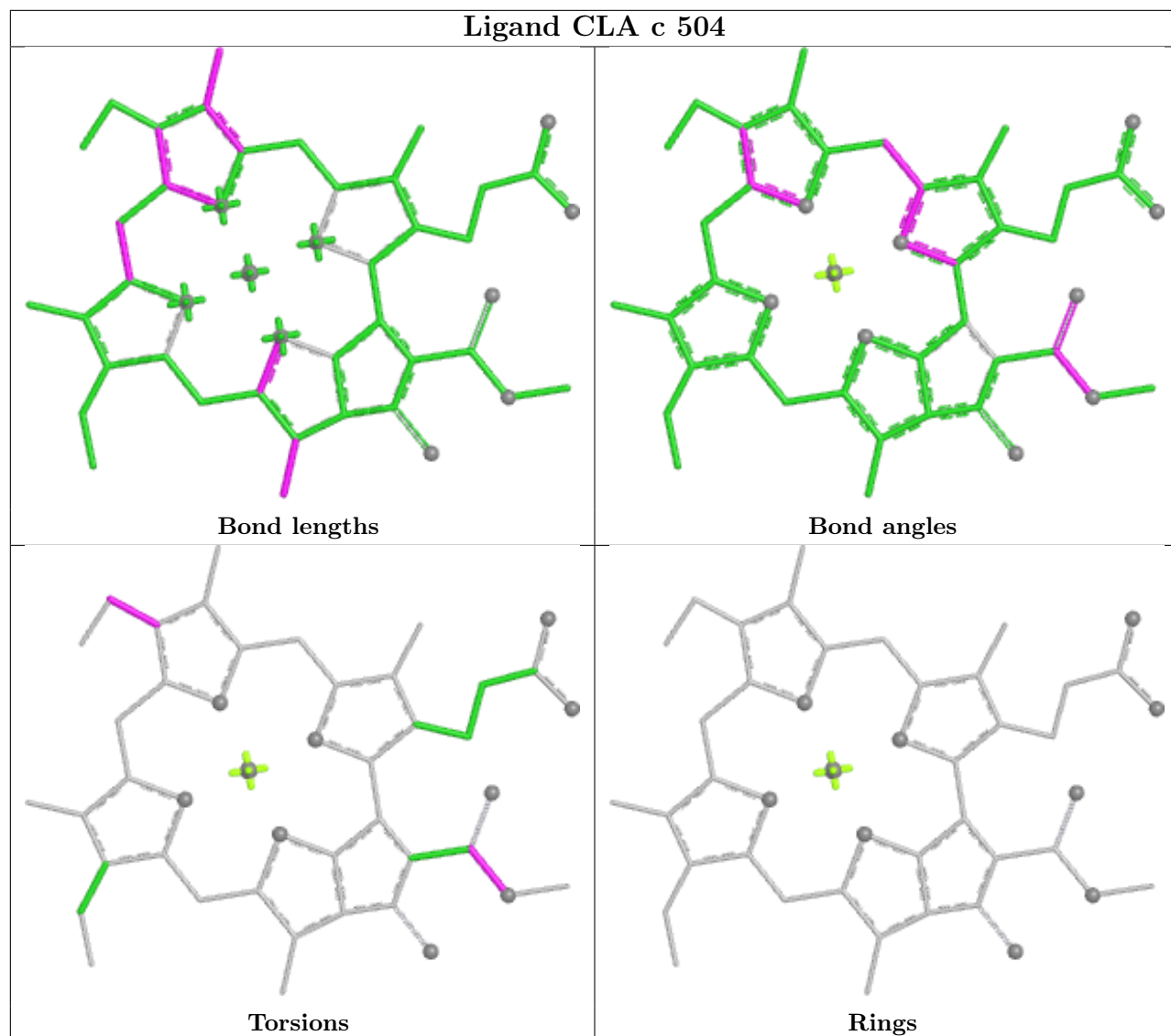
Torsions



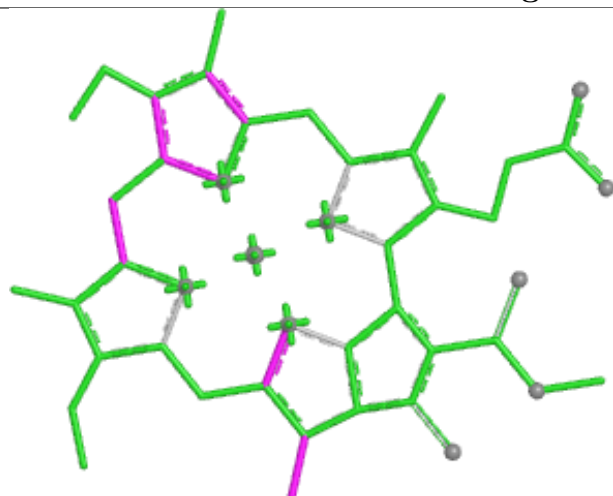
Rings



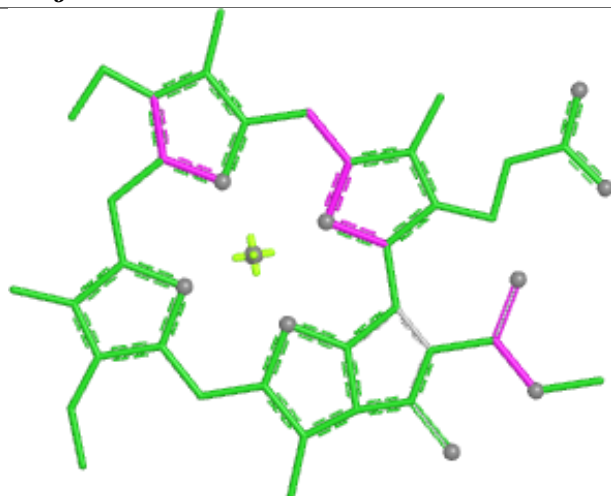
Ligand CLA c 504



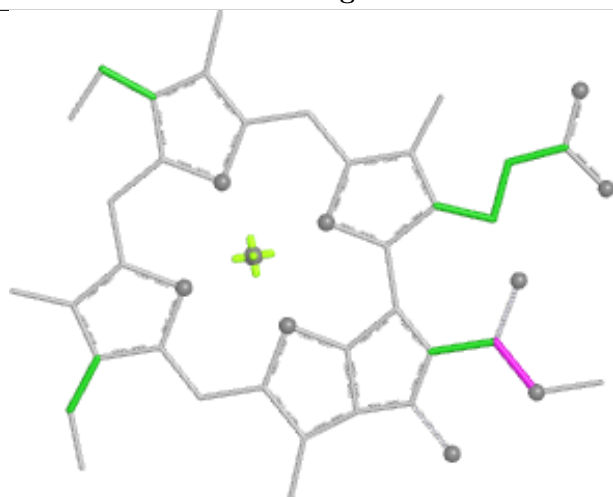
Ligand CLA j 503



Bond lengths



Bond angles

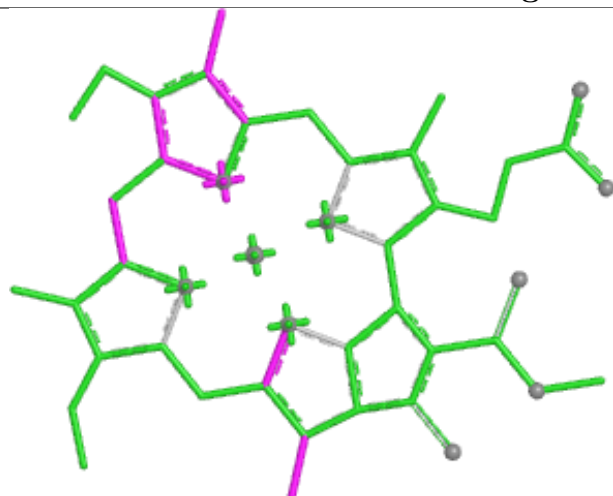


Torsions

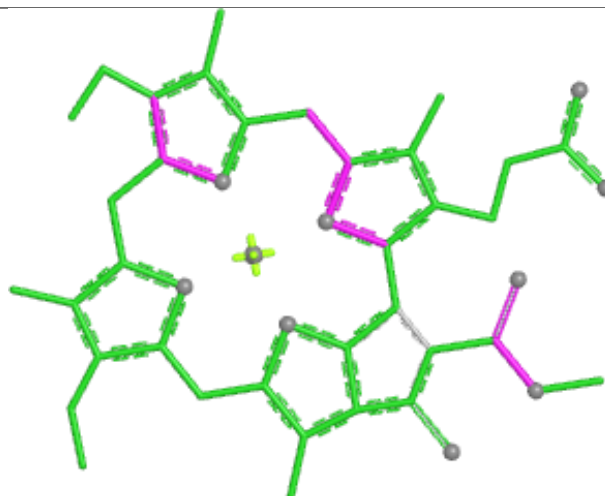


Rings

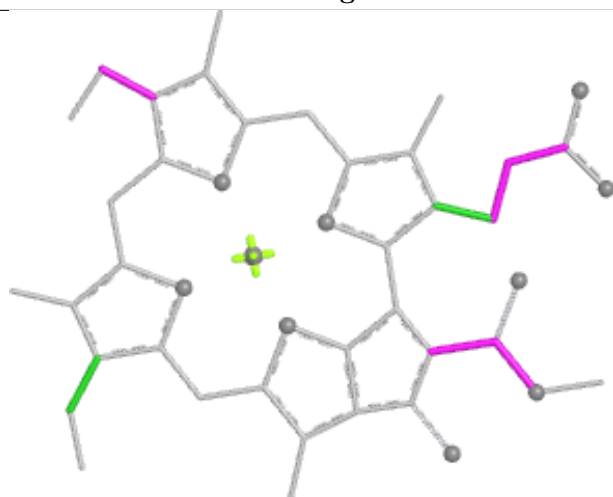
Ligand CLA f 518



Bond lengths



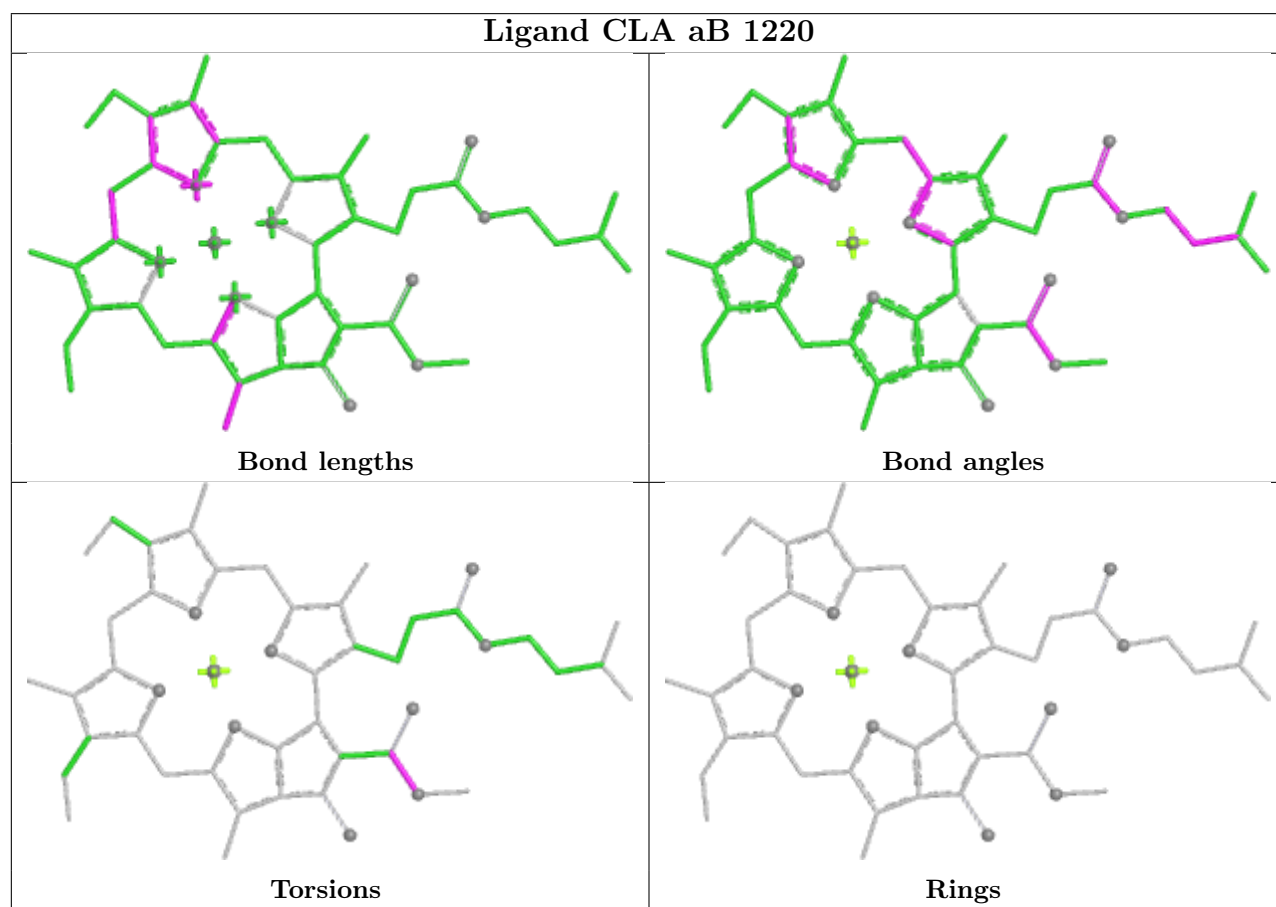
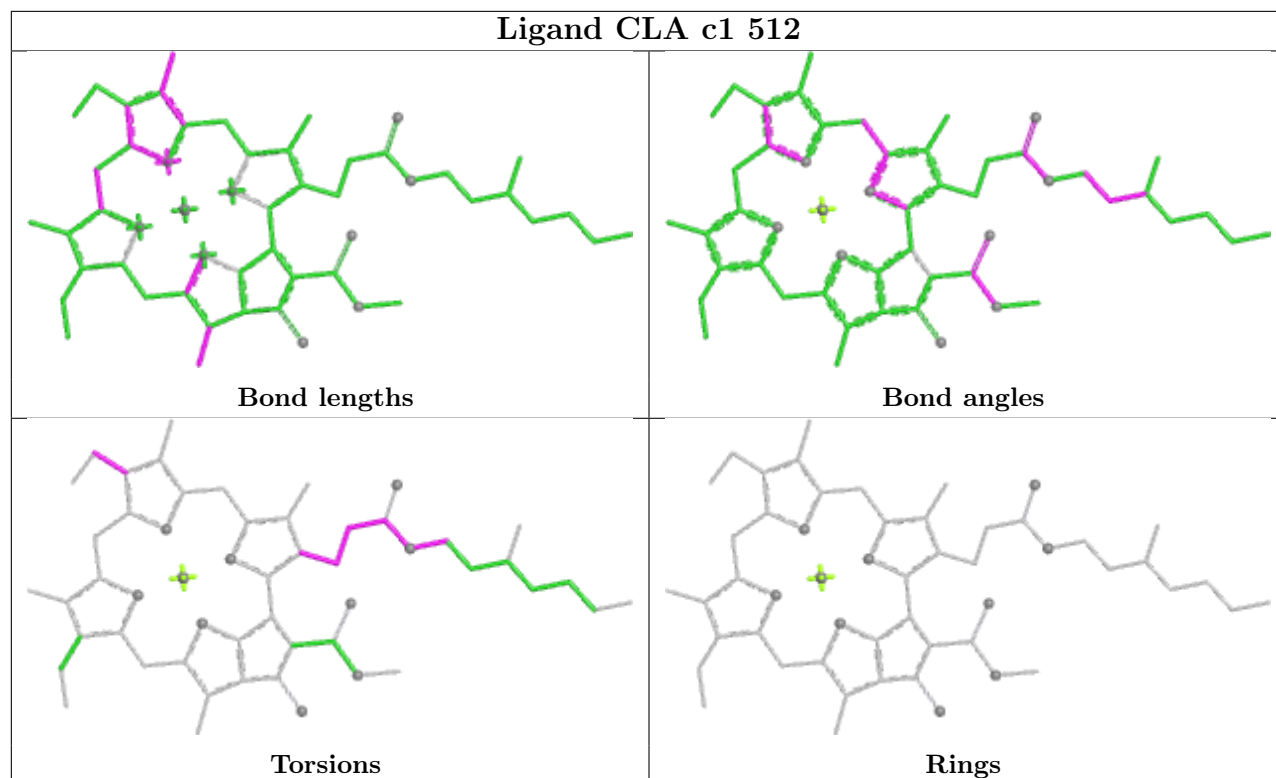
Bond angles

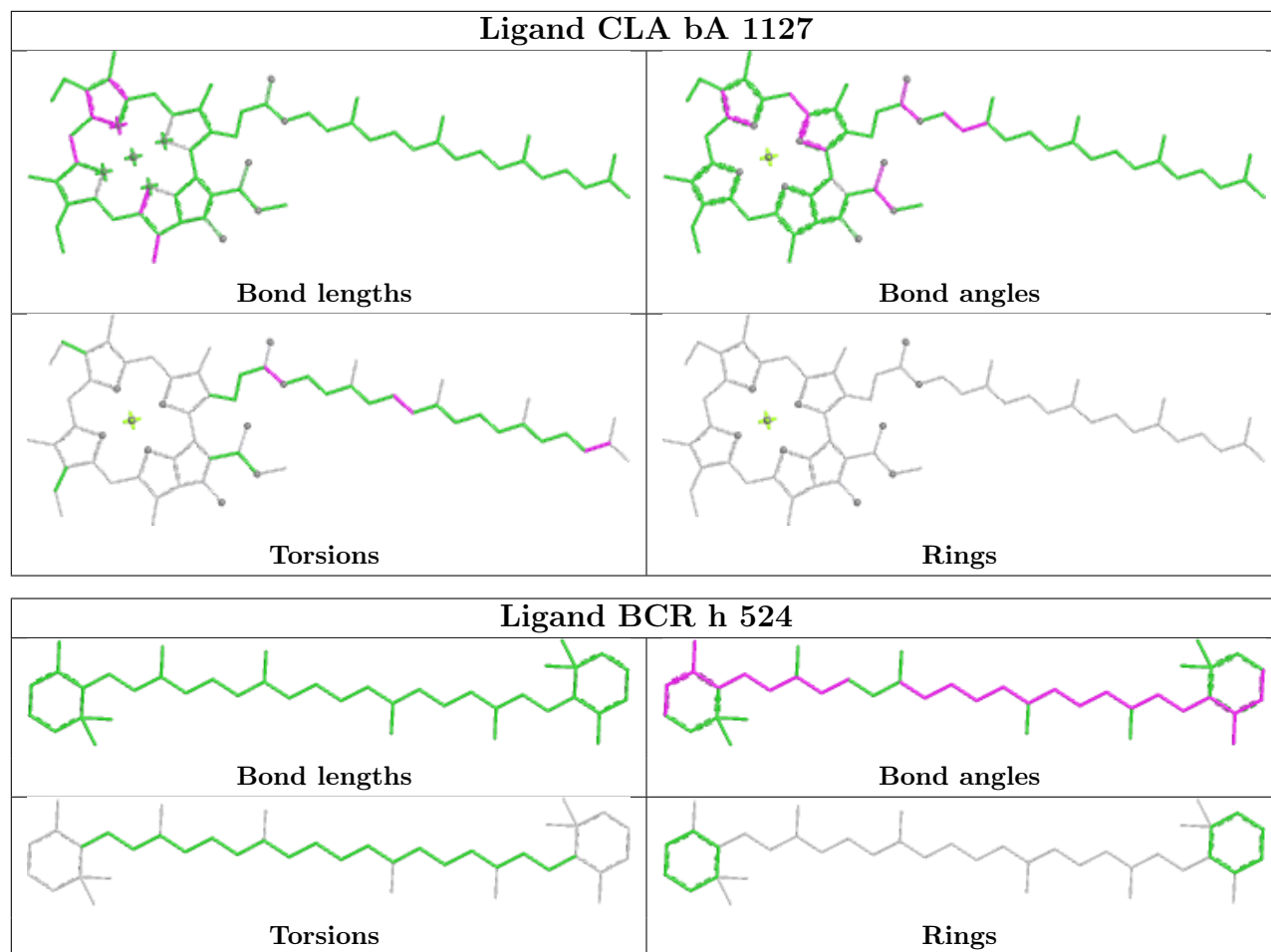


Torsions

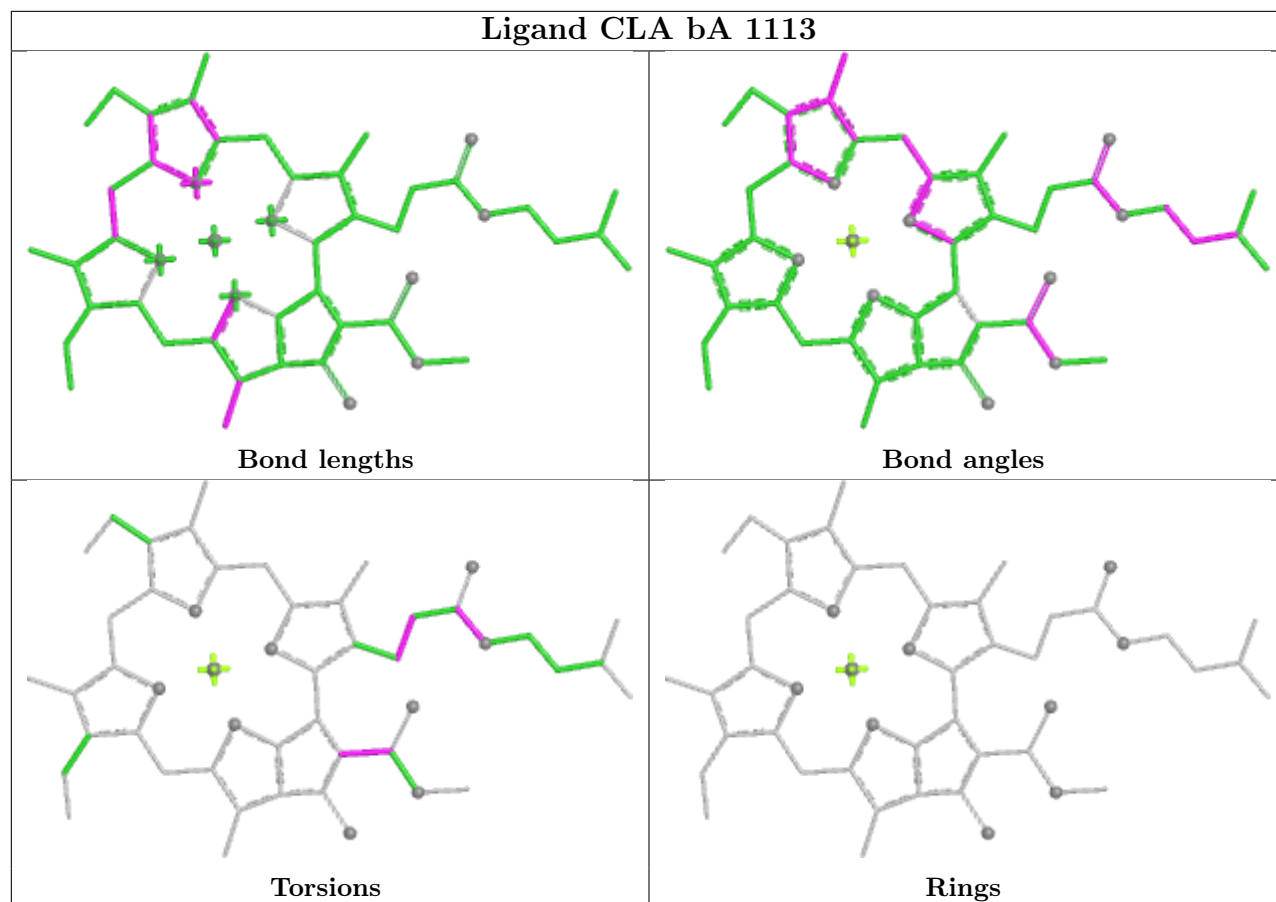


Rings

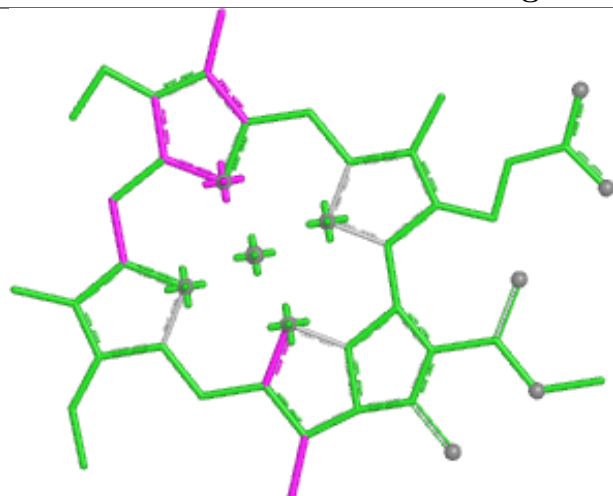




Ligand CLA bA 1113



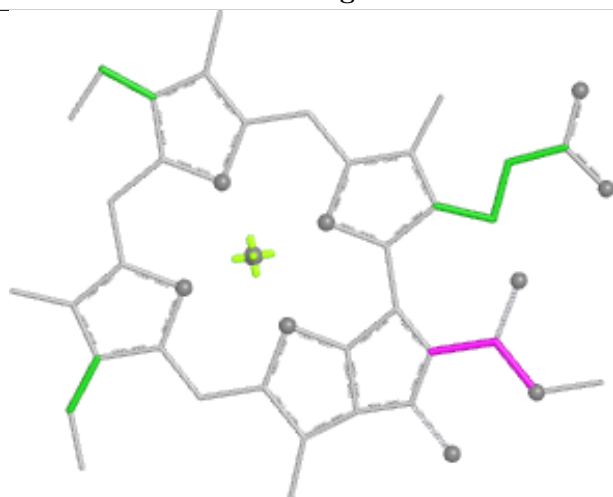
Ligand CLA f 506



Bond lengths



Bond angles

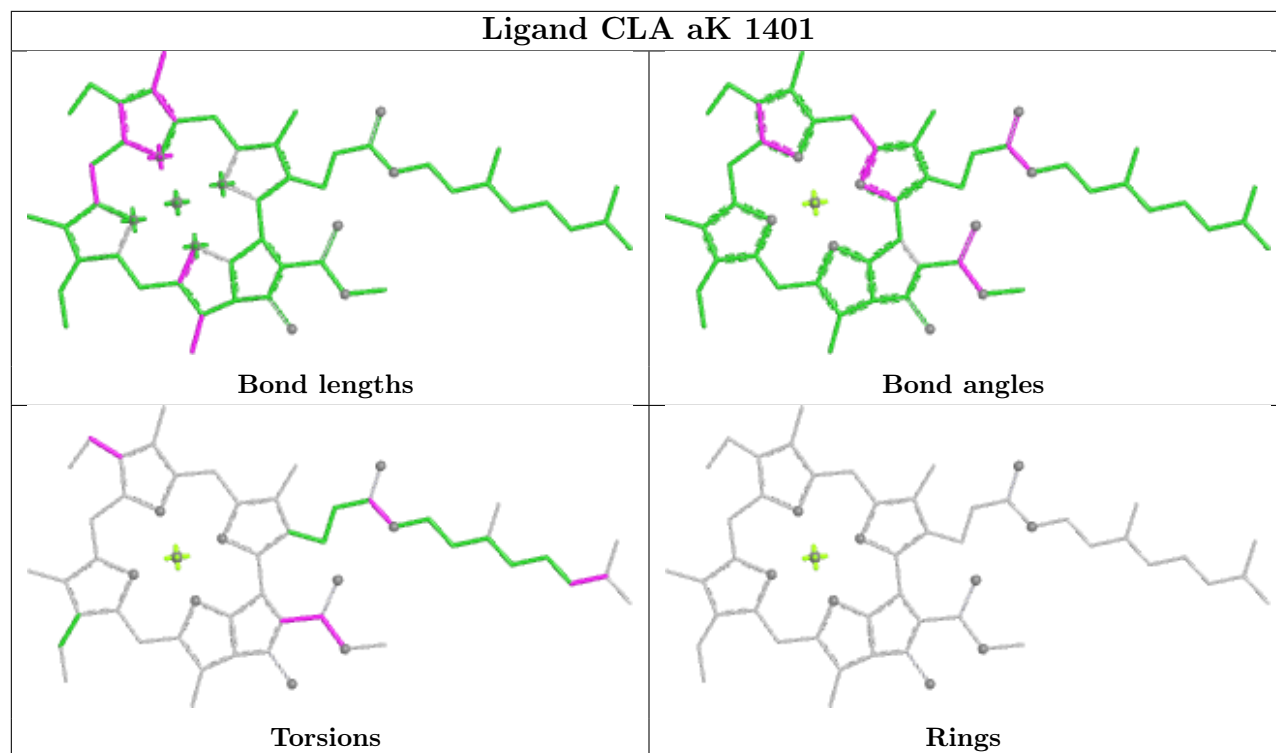


Torsions

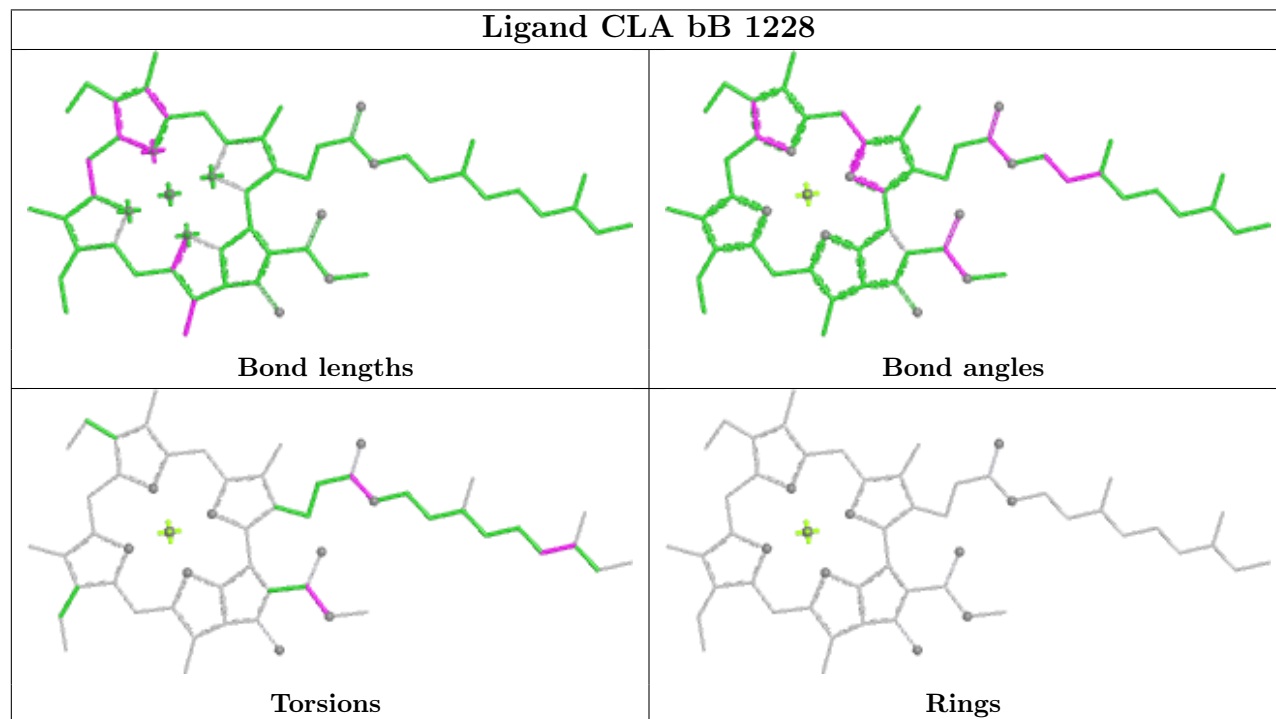


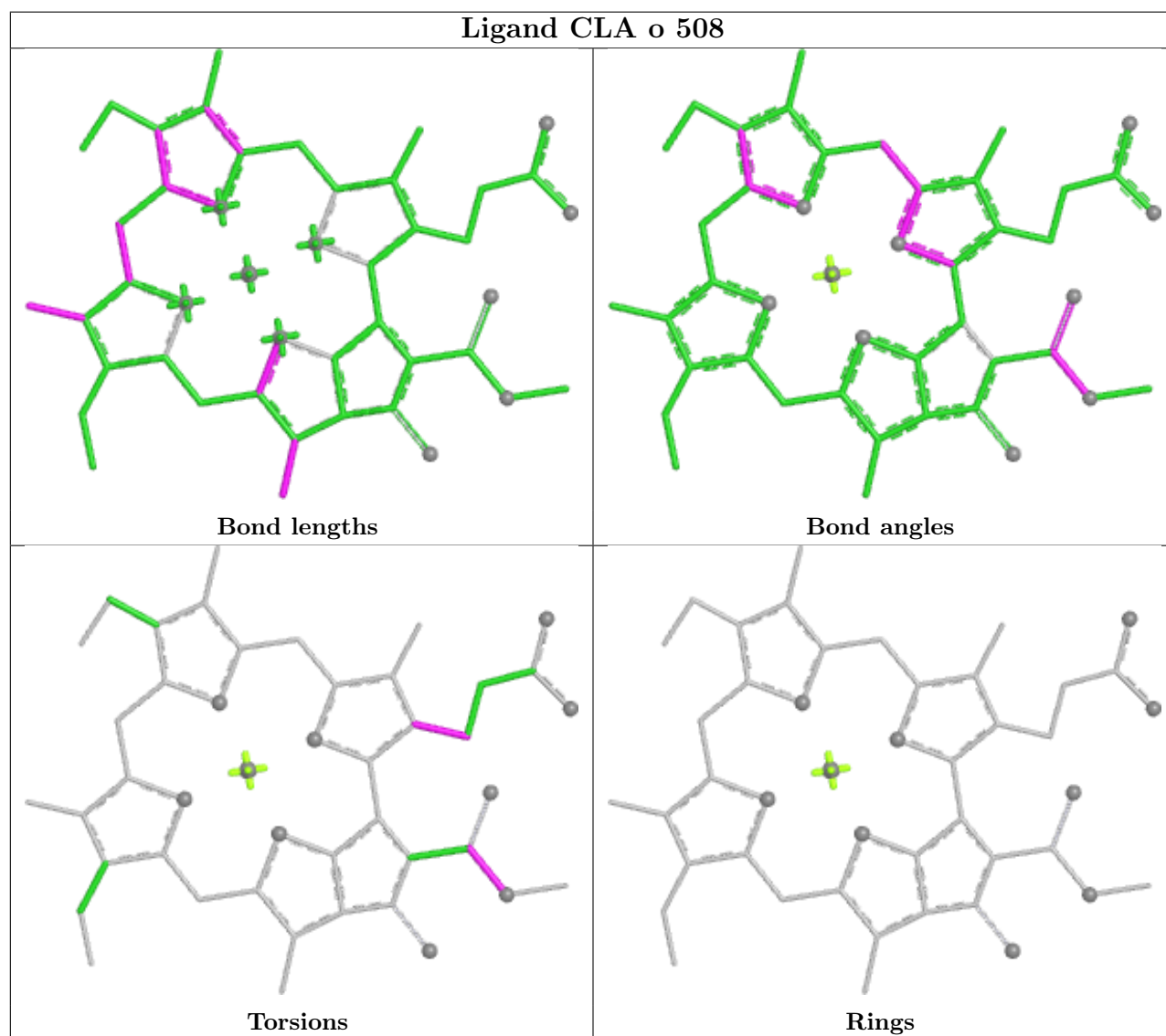
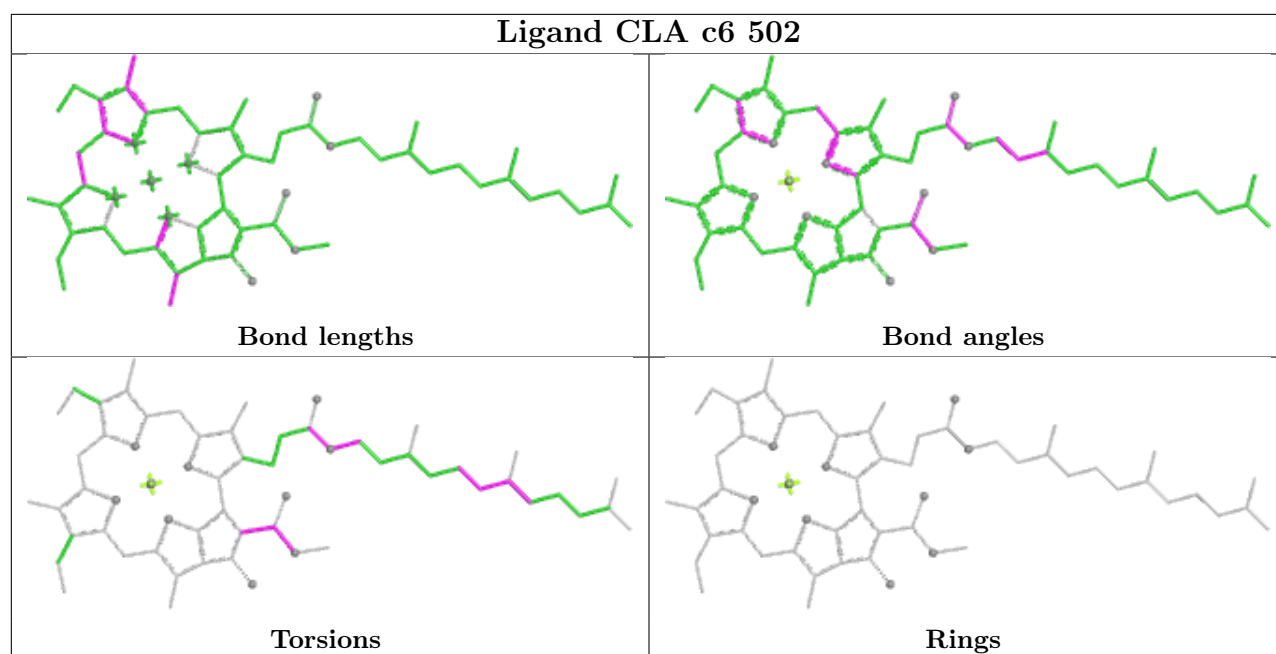
Rings

Ligand CLA aK 1401

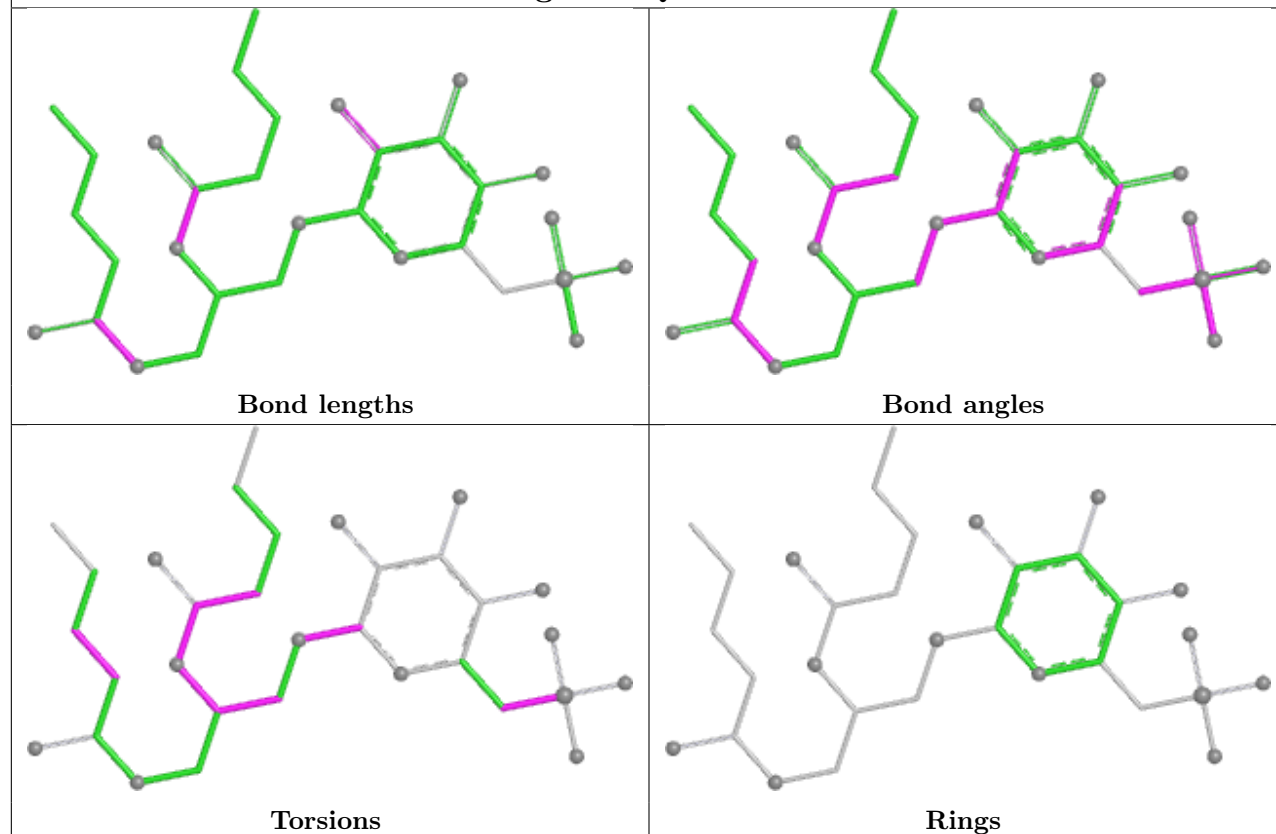


Ligand CLA bB 1228

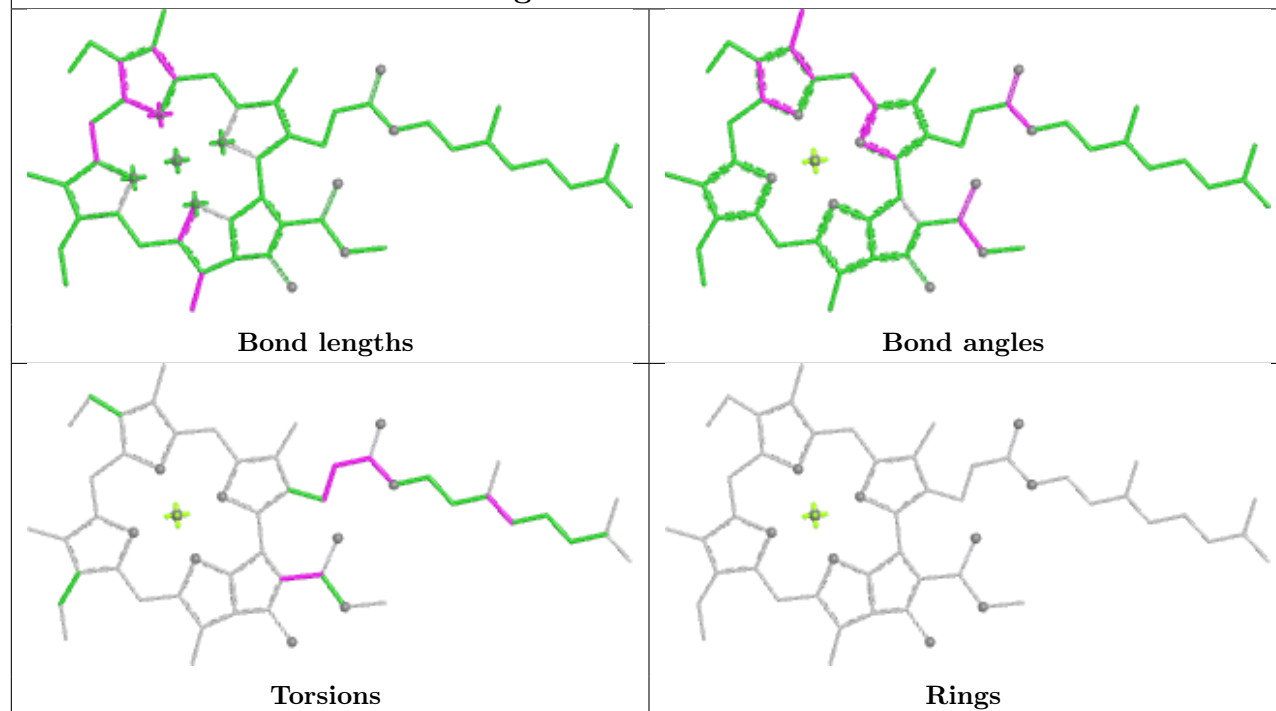




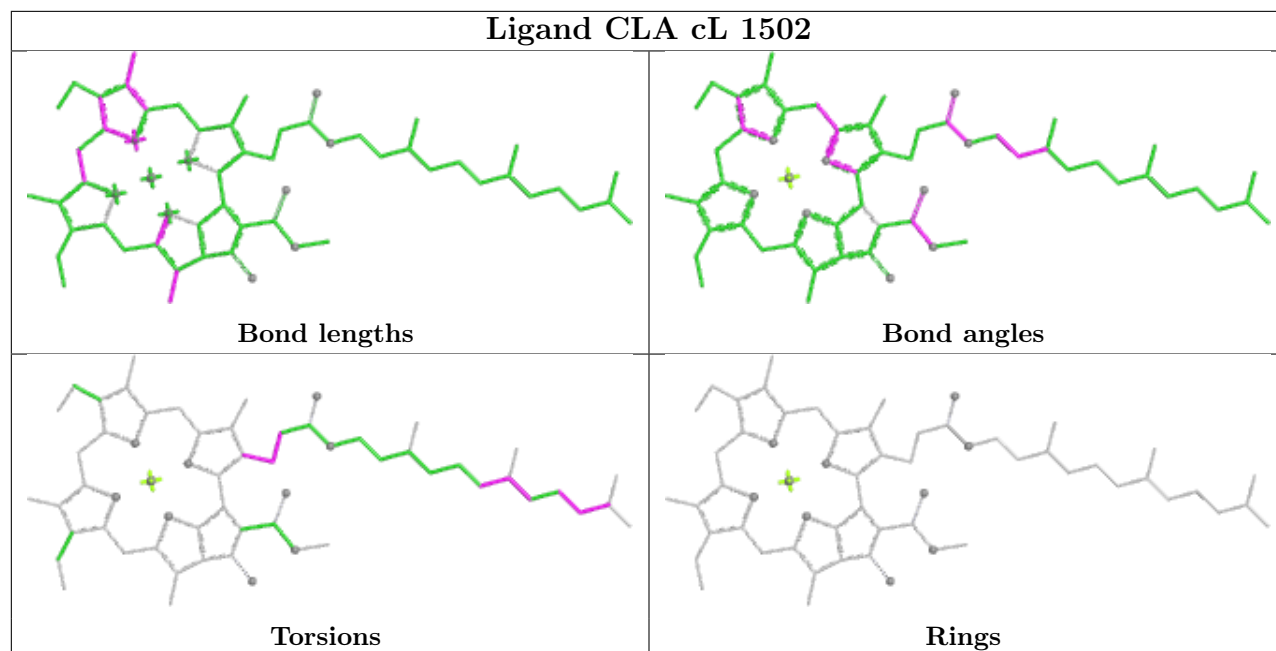
Ligand SQD h 822



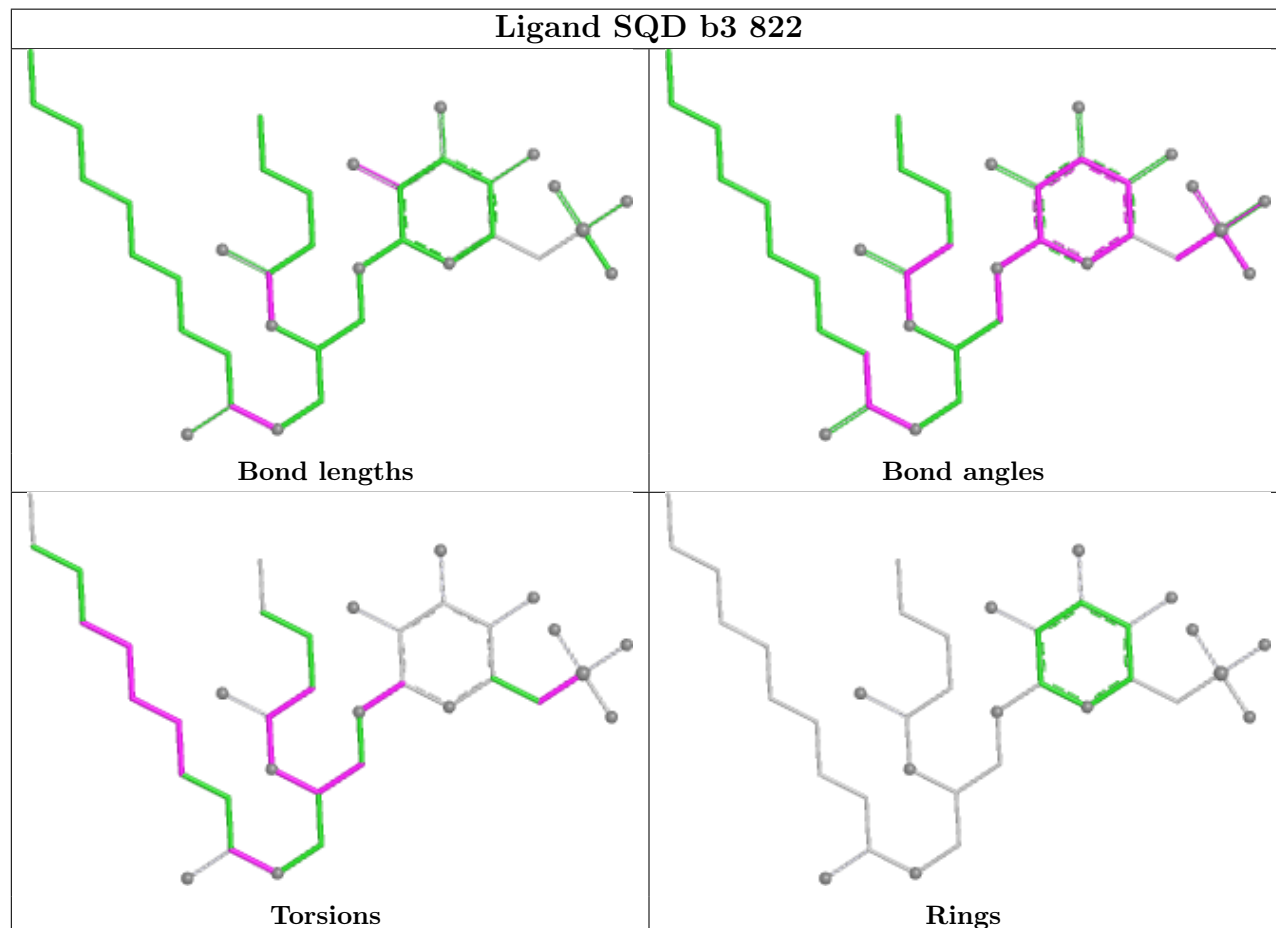
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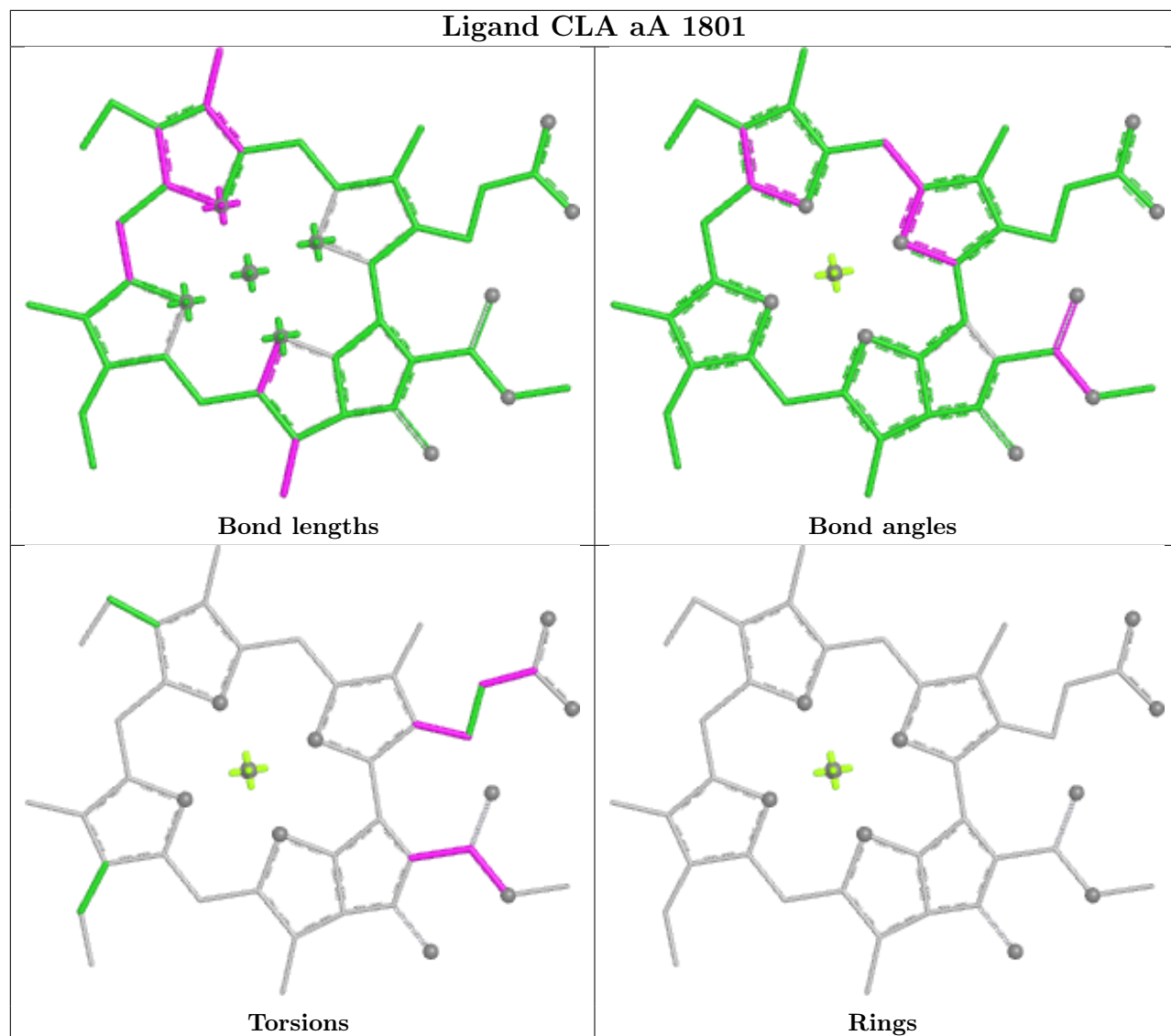
Ligand CLA cL 1502



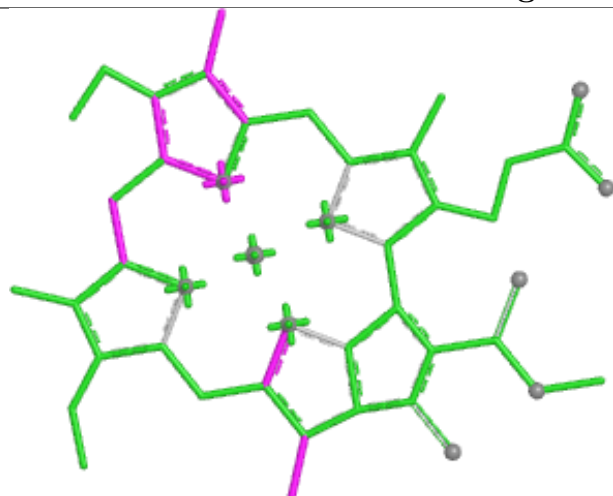
Ligand SQD b3 822



Ligand CLA aA 1801



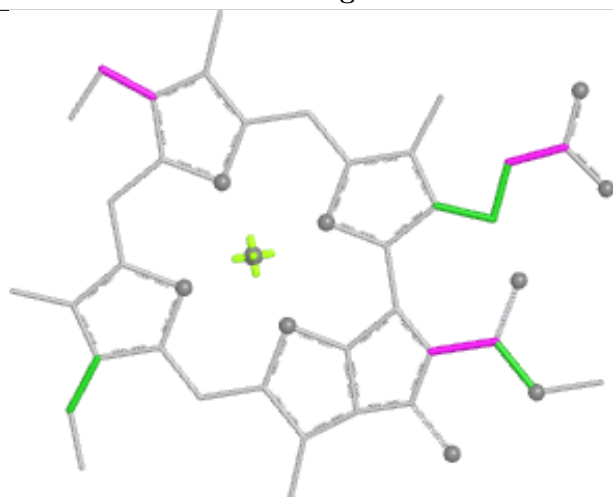
Ligand CLA k 509



Bond lengths



Bond angles

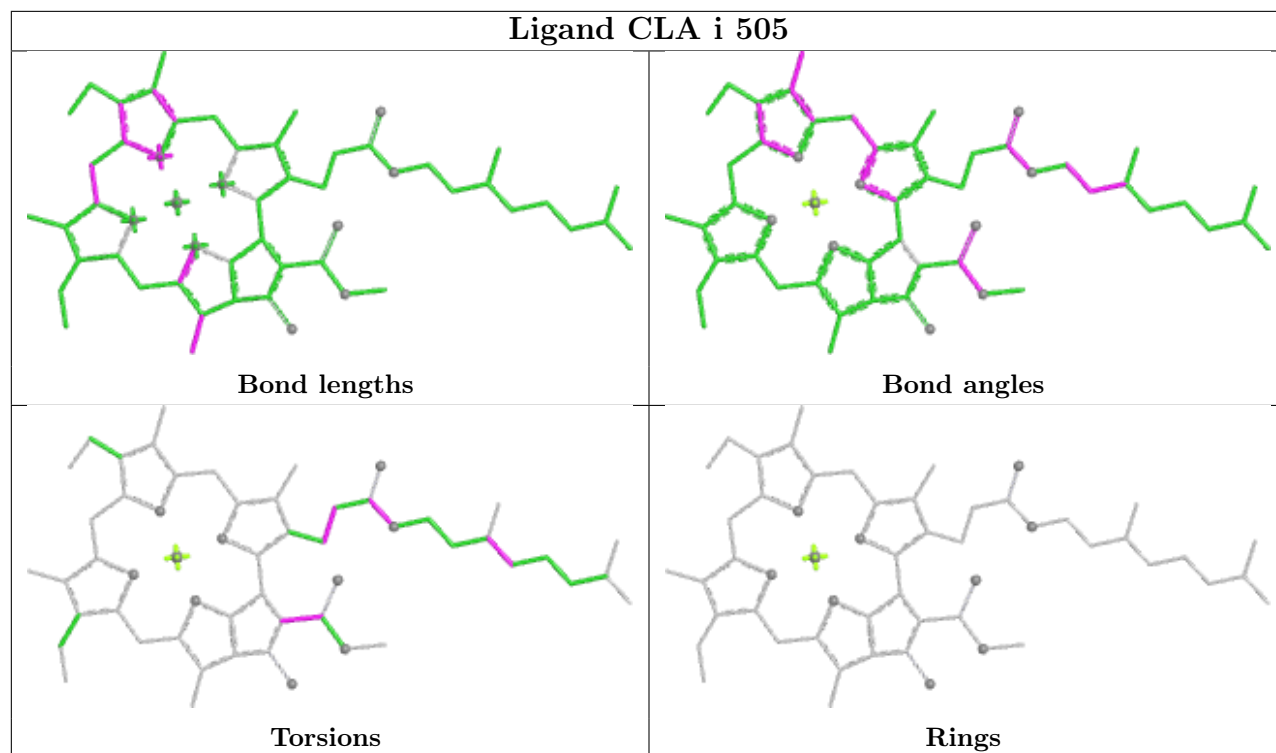


Torsions

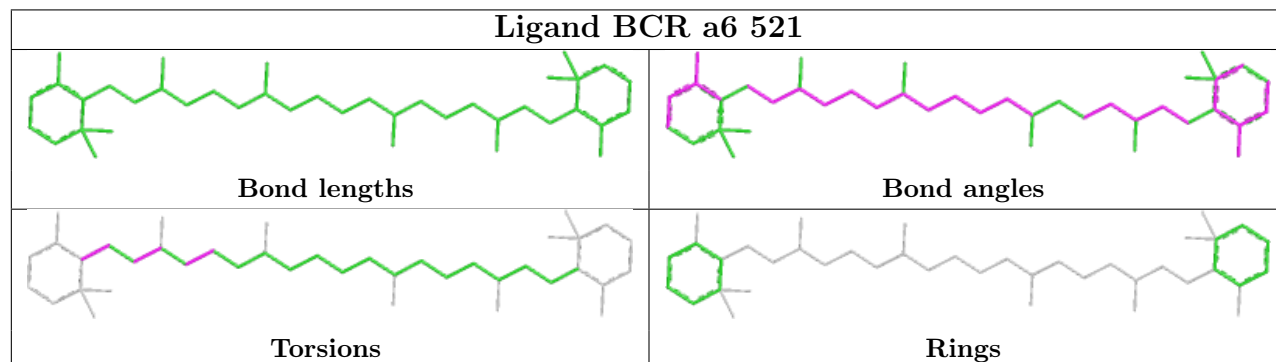


Rings

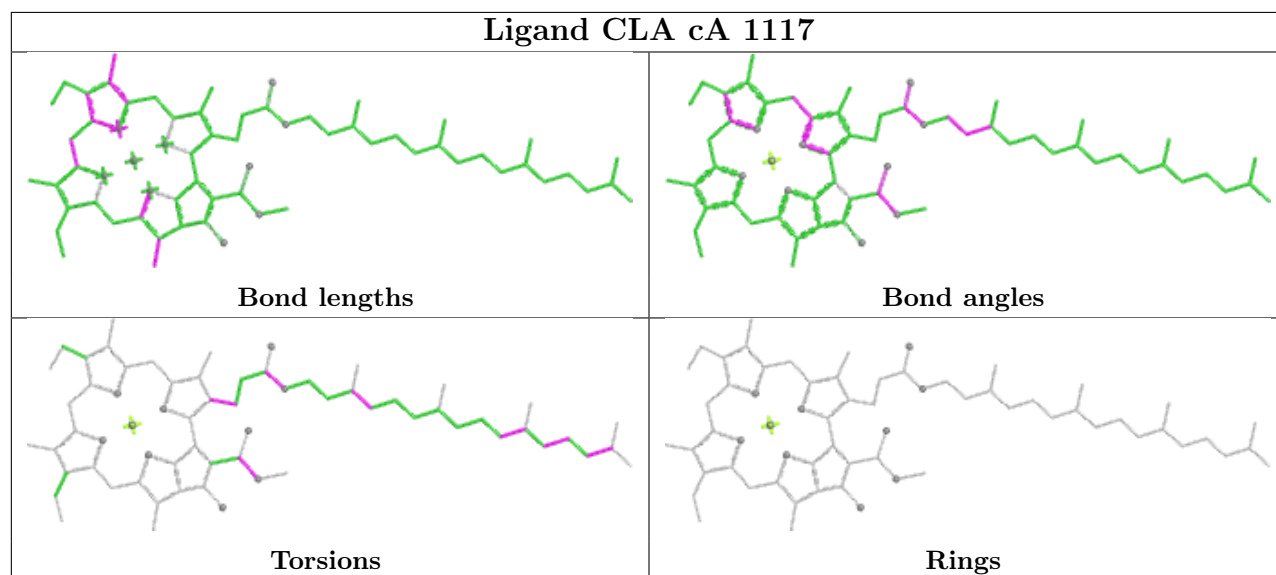
Ligand CLA i 505

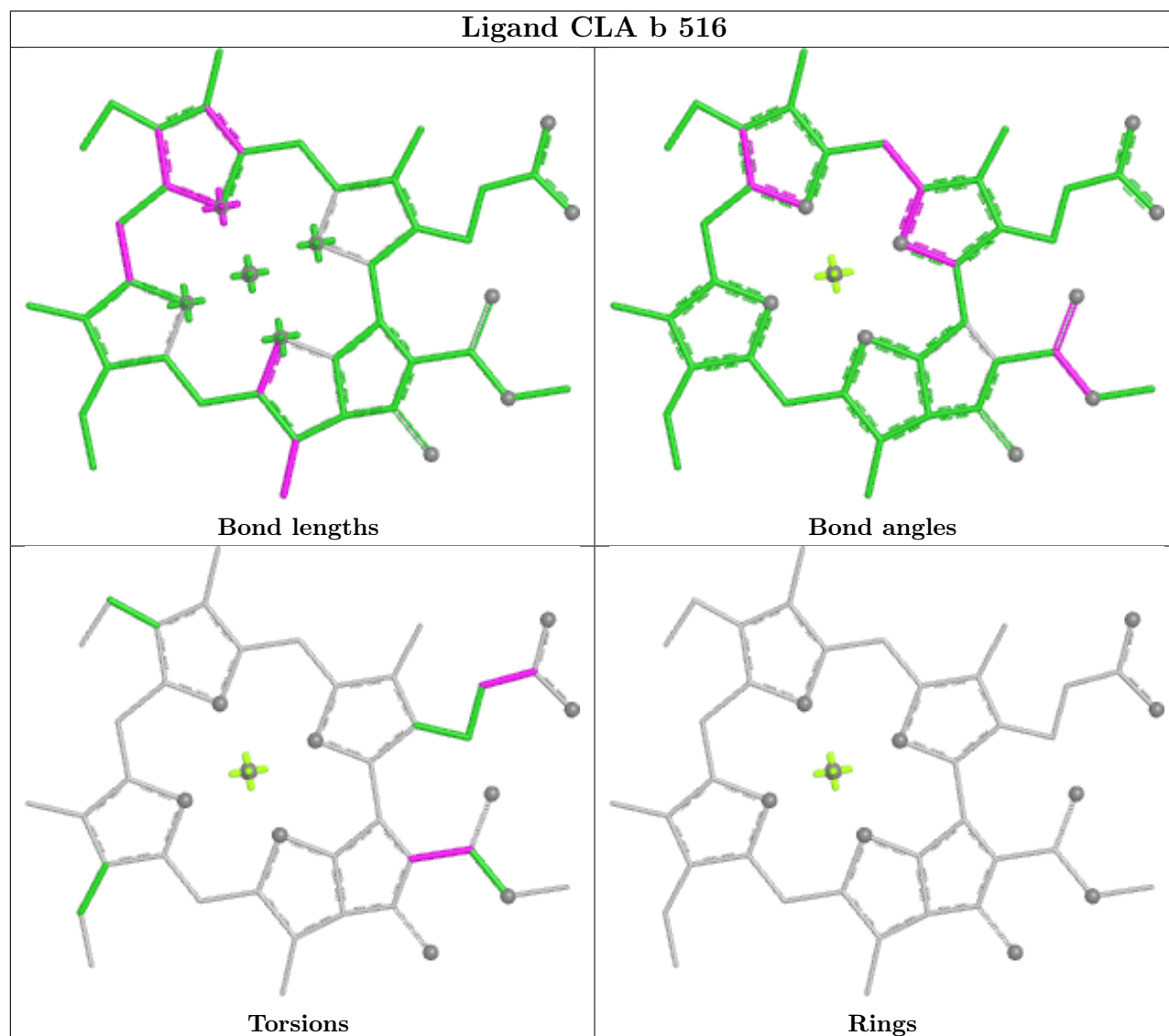
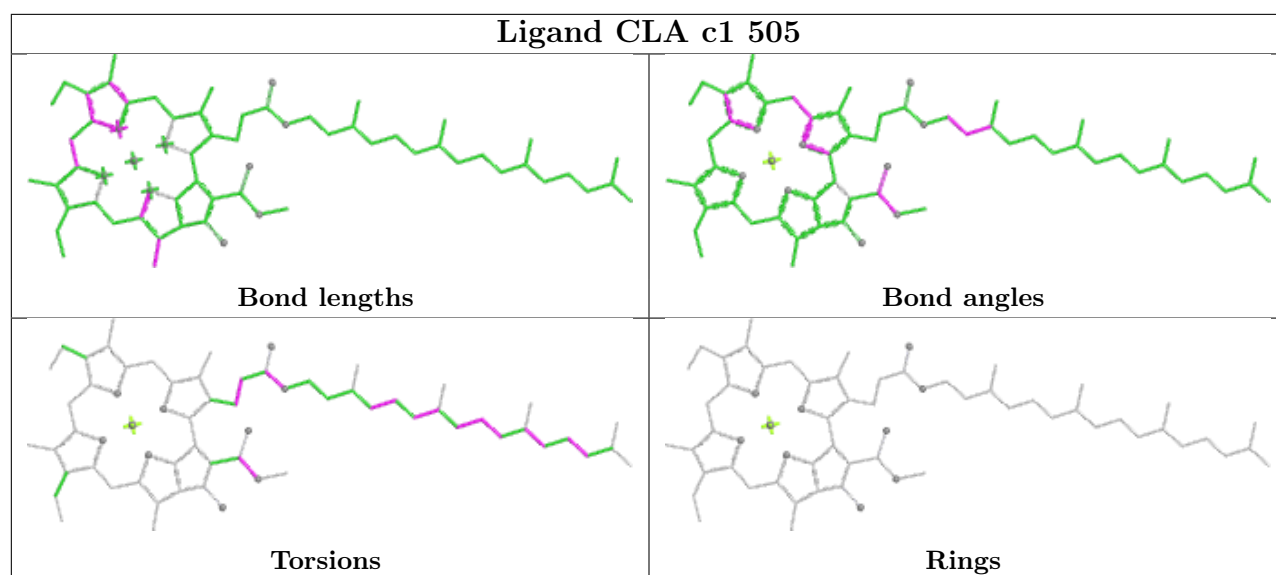


Ligand BCR a6 521

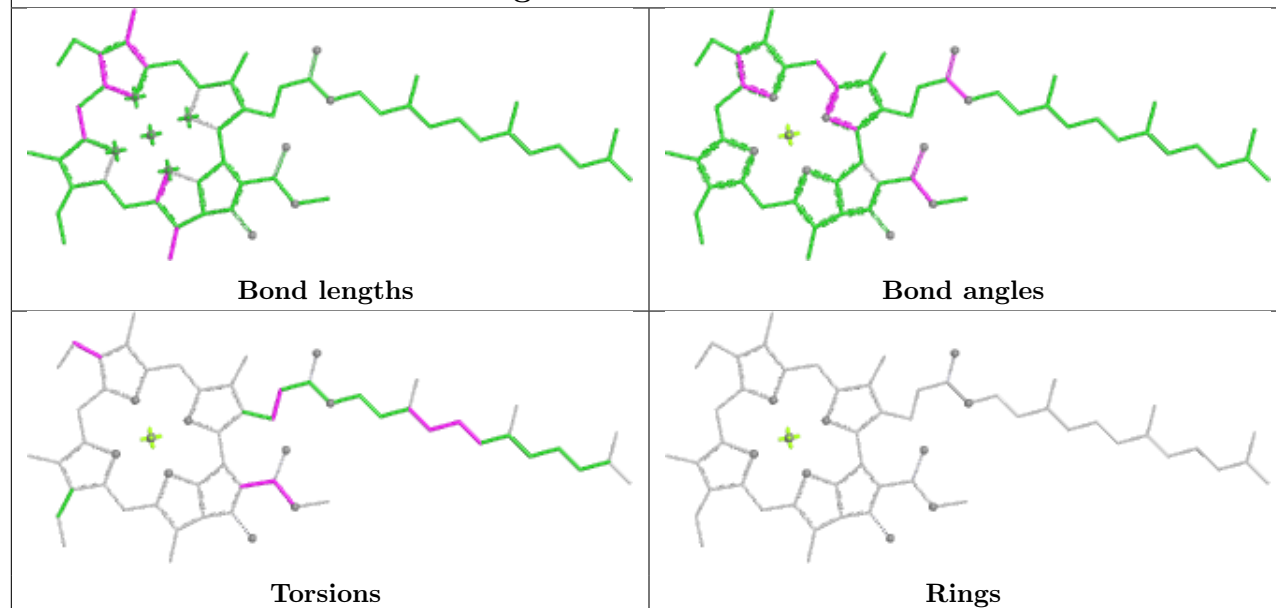


Ligand CLA cA 1117

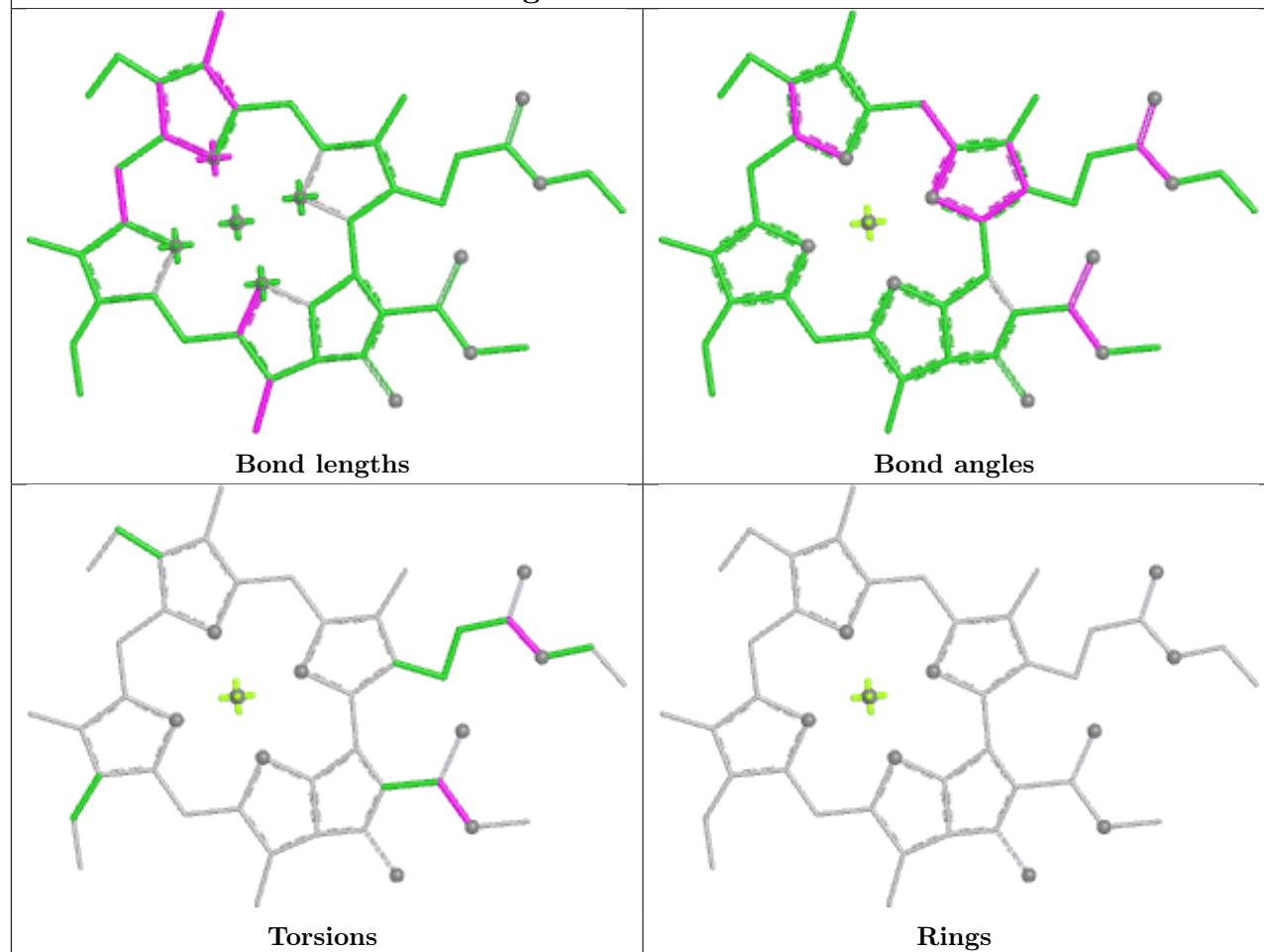




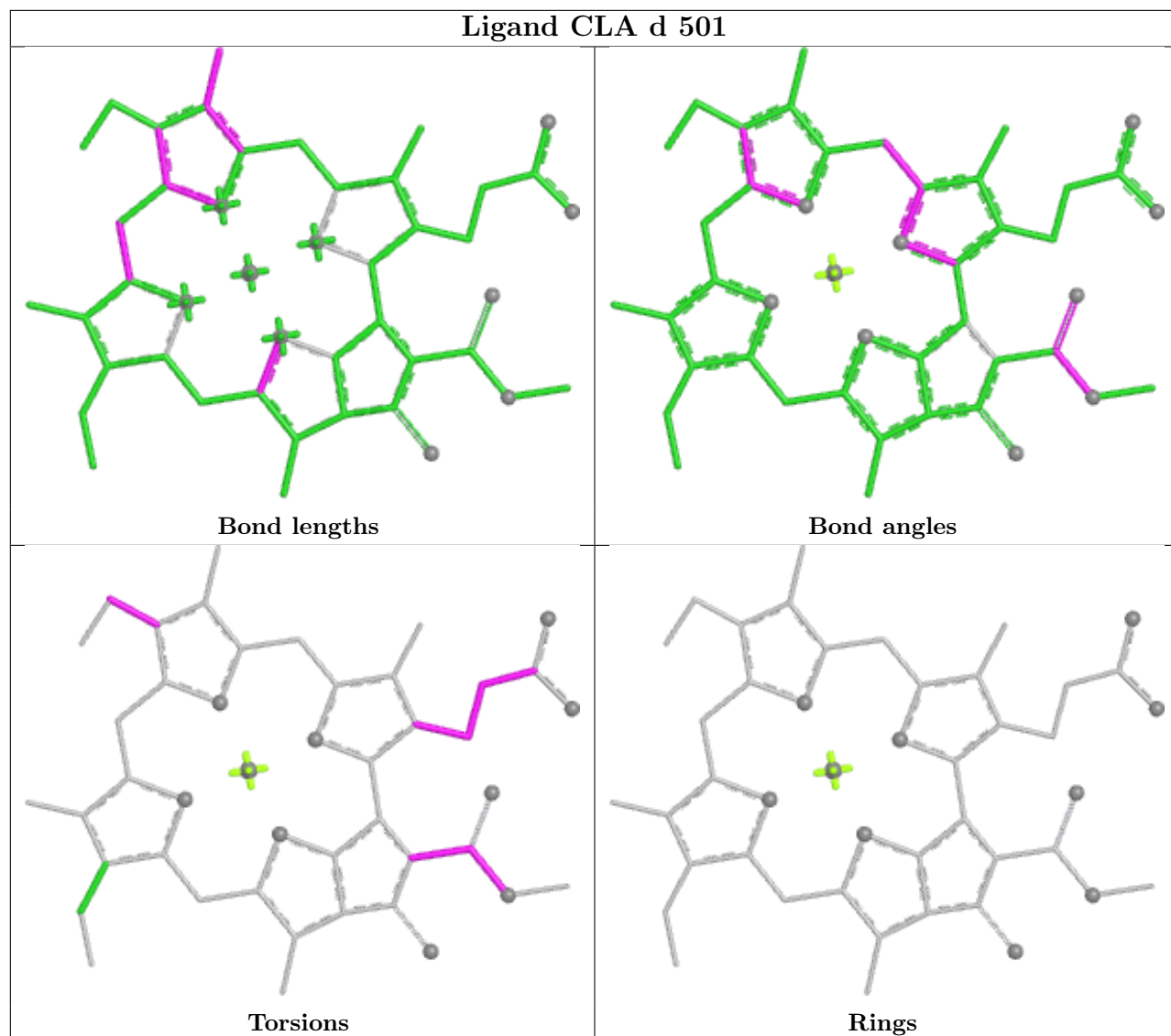
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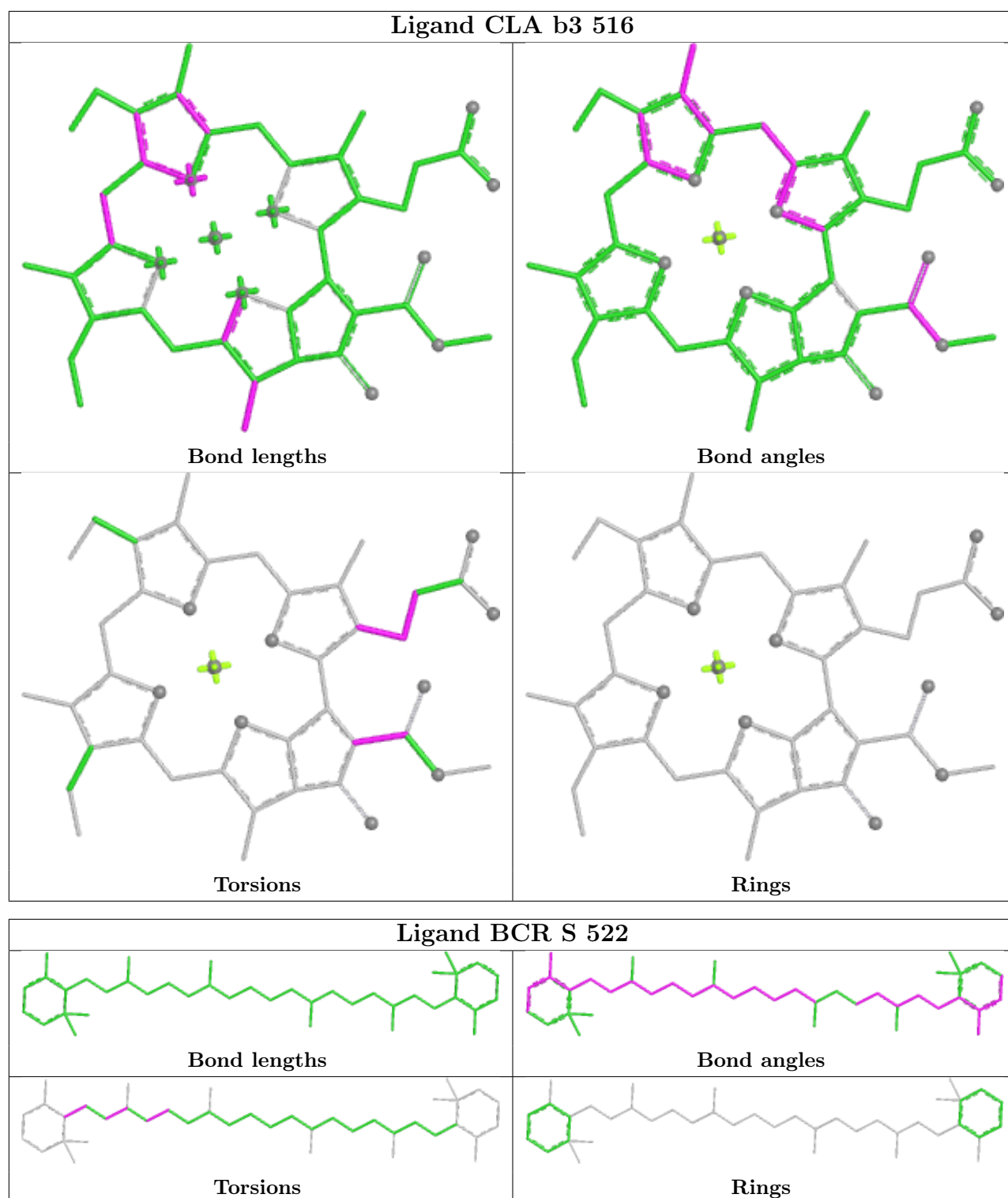


Ligand CLA a2 504

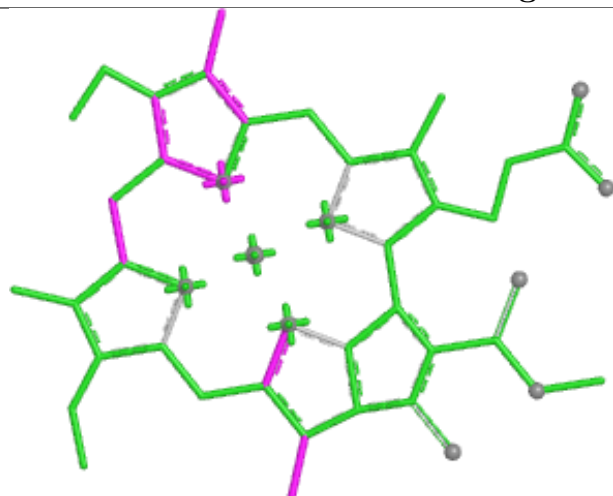


Ligand CLA d 501





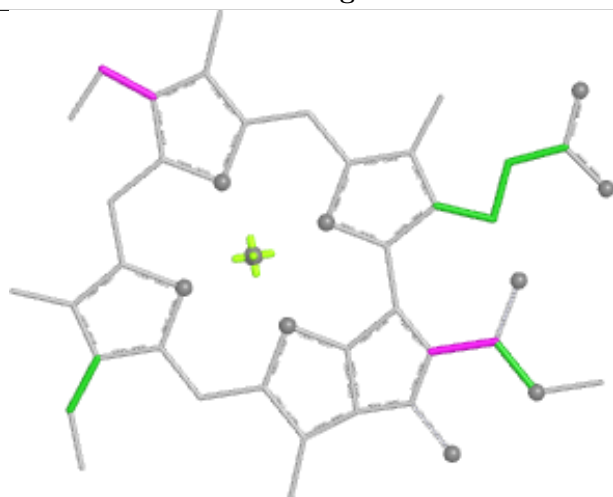
Ligand CLA e 502



Bond lengths



Bond angles

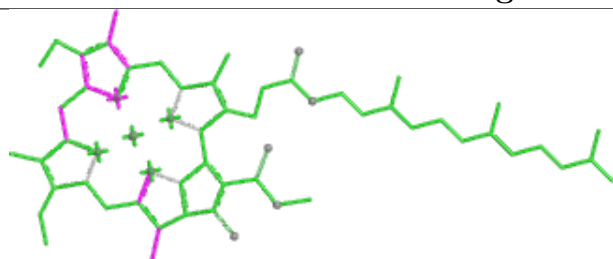


Torsions

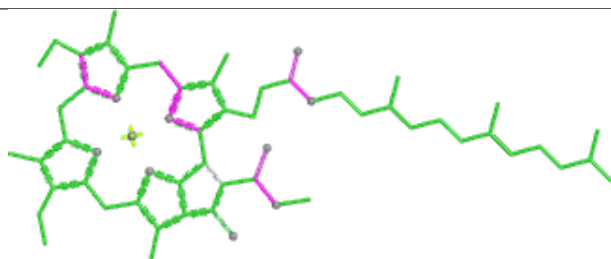


Rings

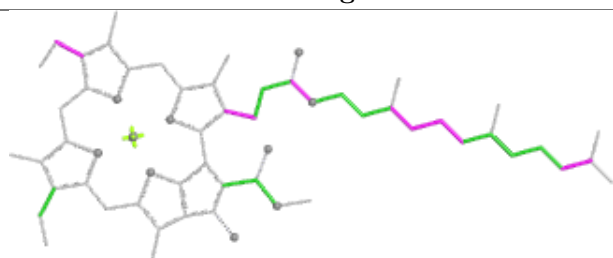
Ligand CLA aA 1118



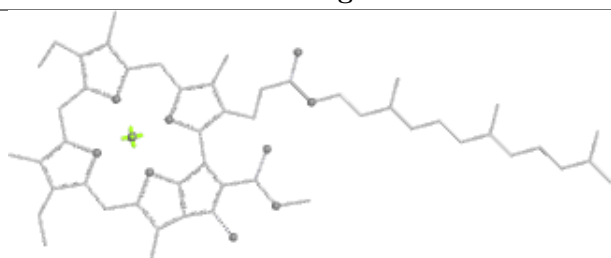
Bond lengths



Bond angles

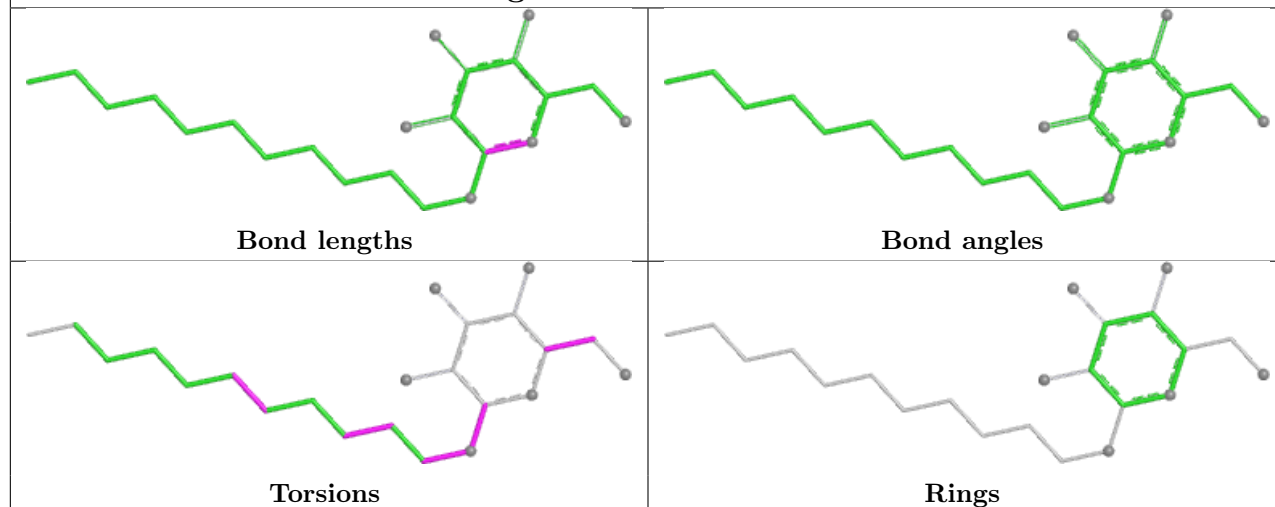


Torsions

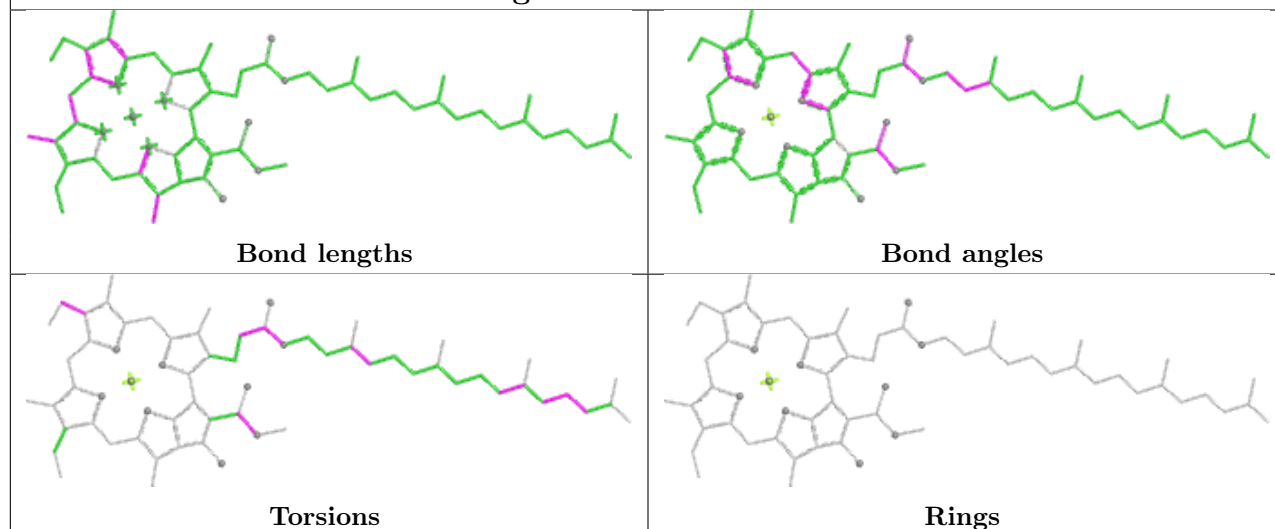


Rings

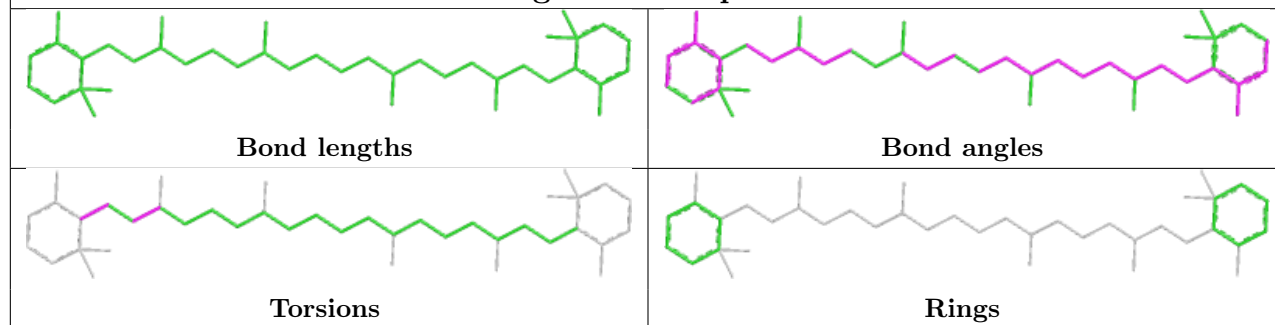
Ligand LMU bA 1849

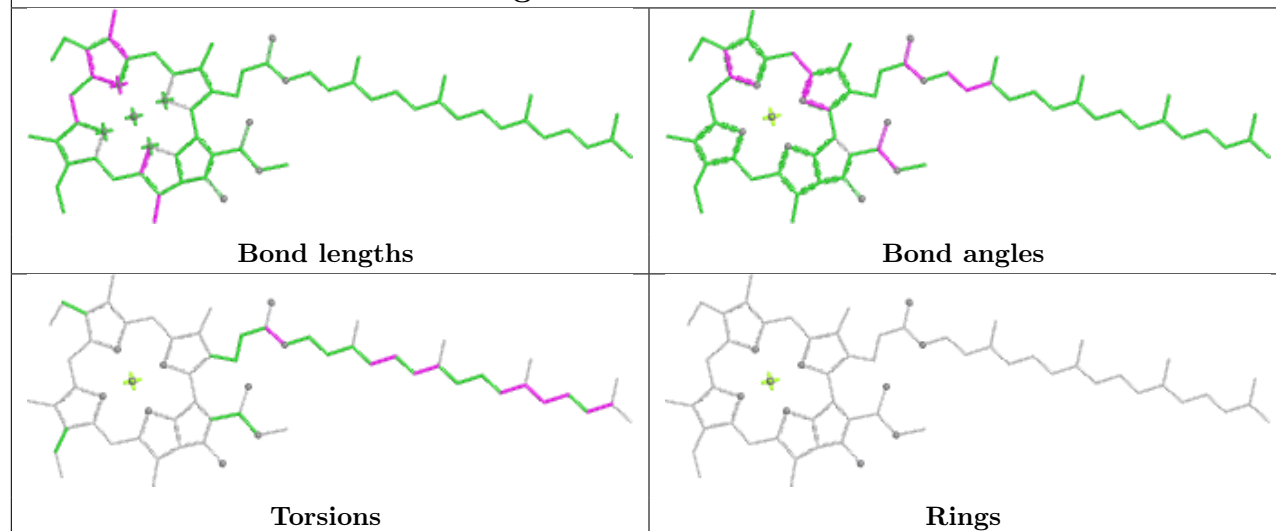
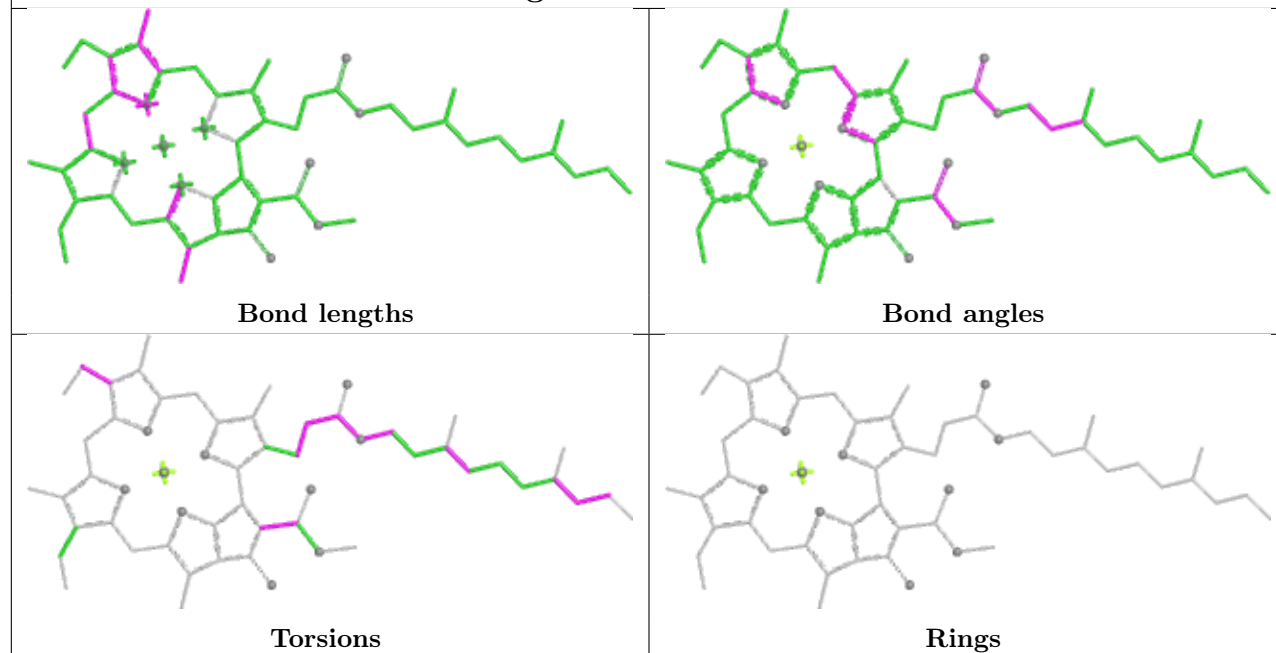


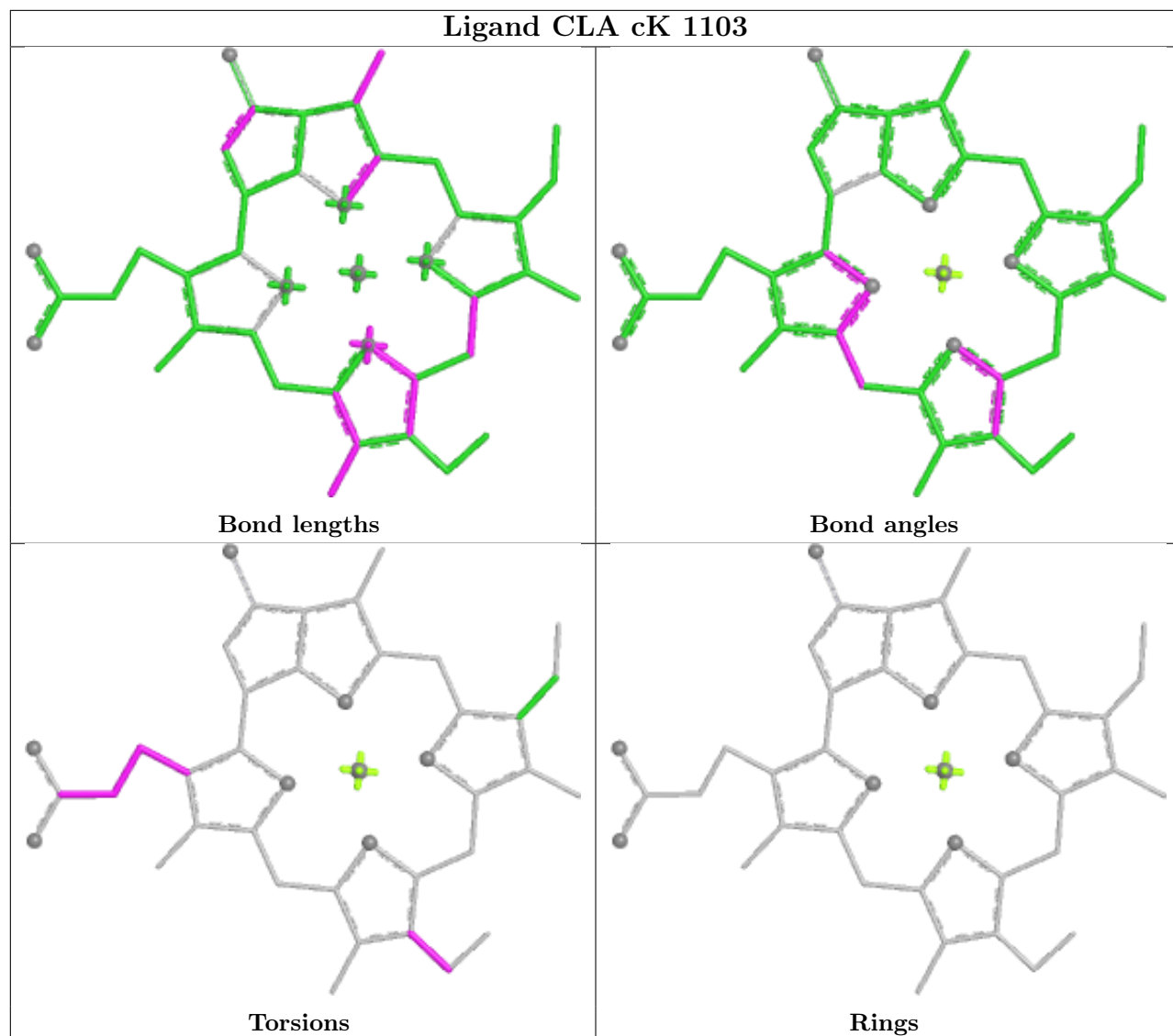
Ligand CLA bB 1021

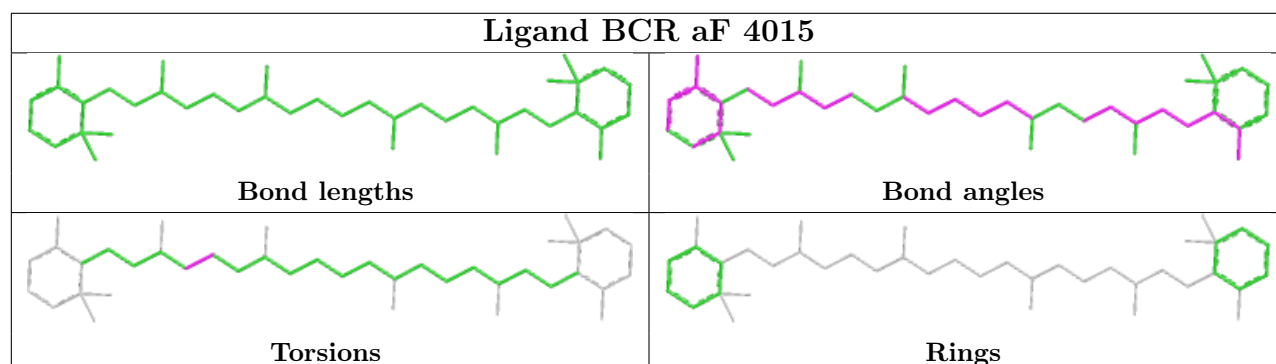
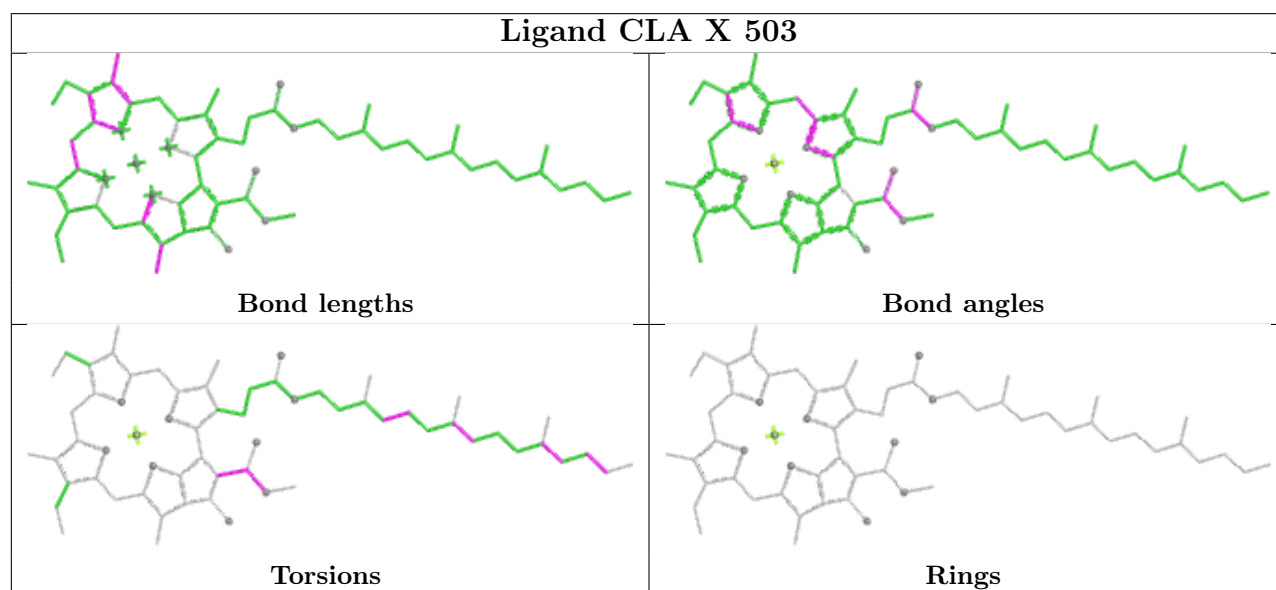
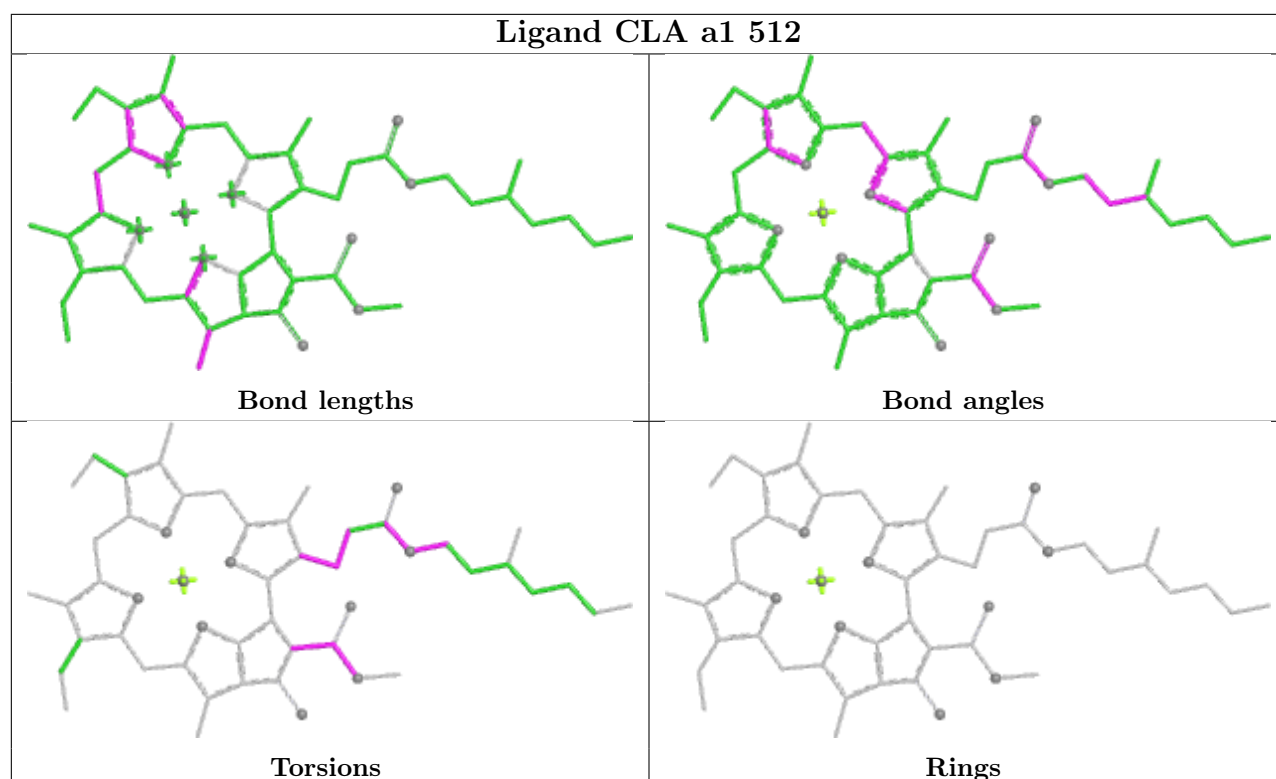


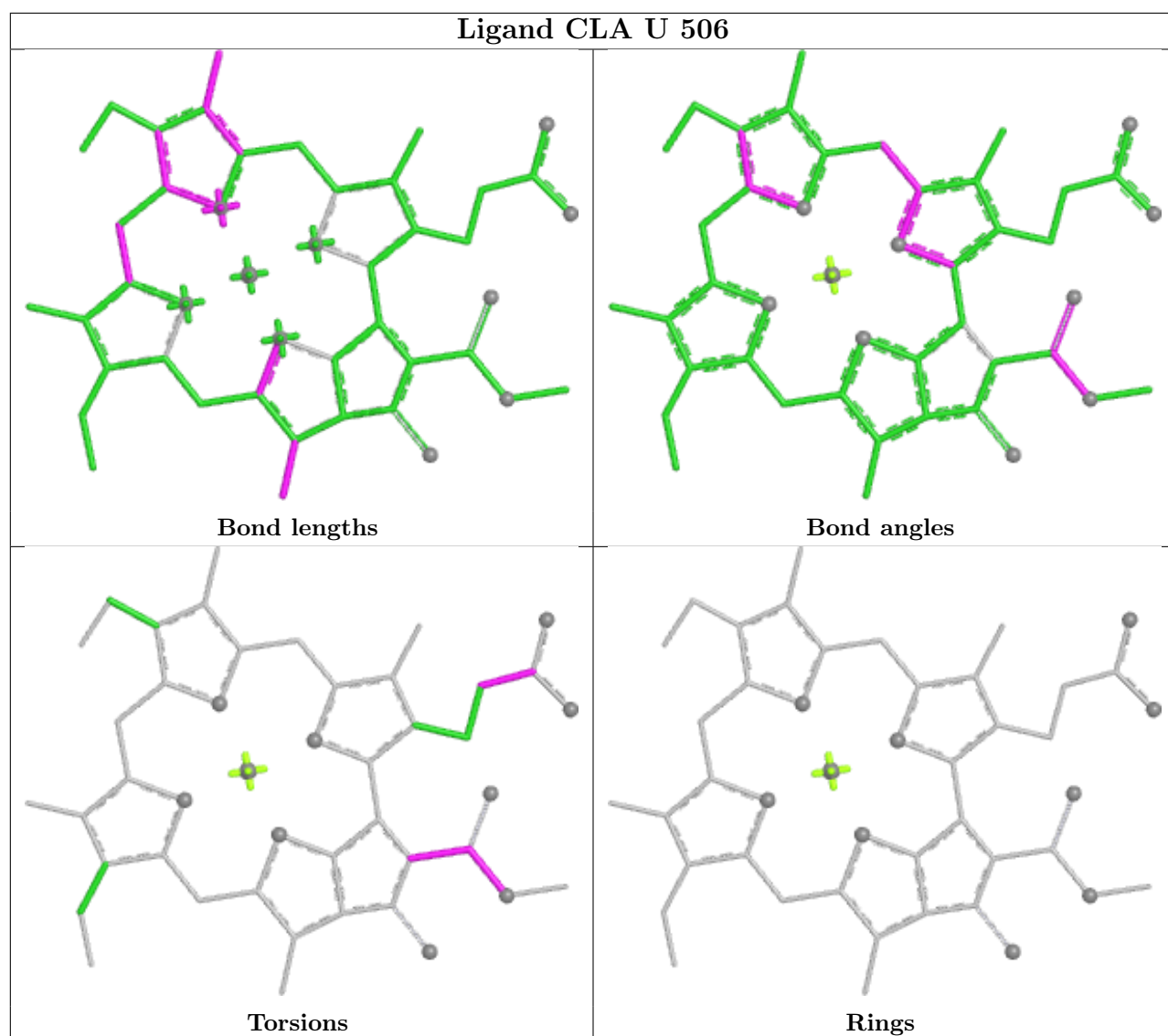
Ligand BCR q 521



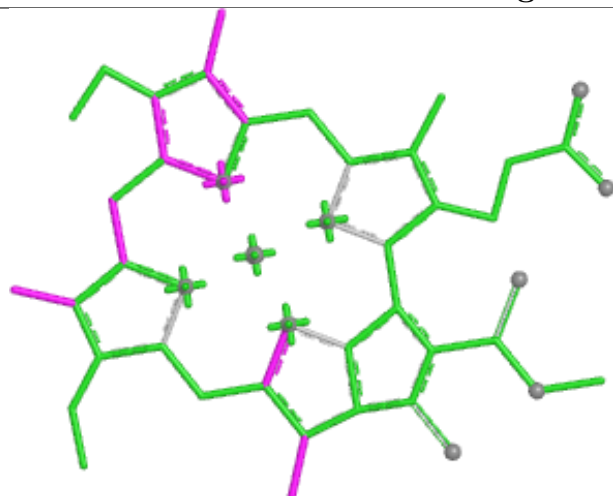
Ligand CLA bB 1235**Ligand CLA b3 504**







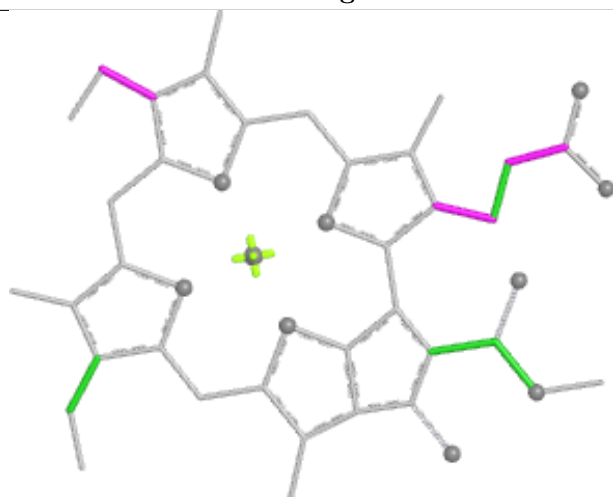
Ligand CLA S 501



Bond lengths



Bond angles

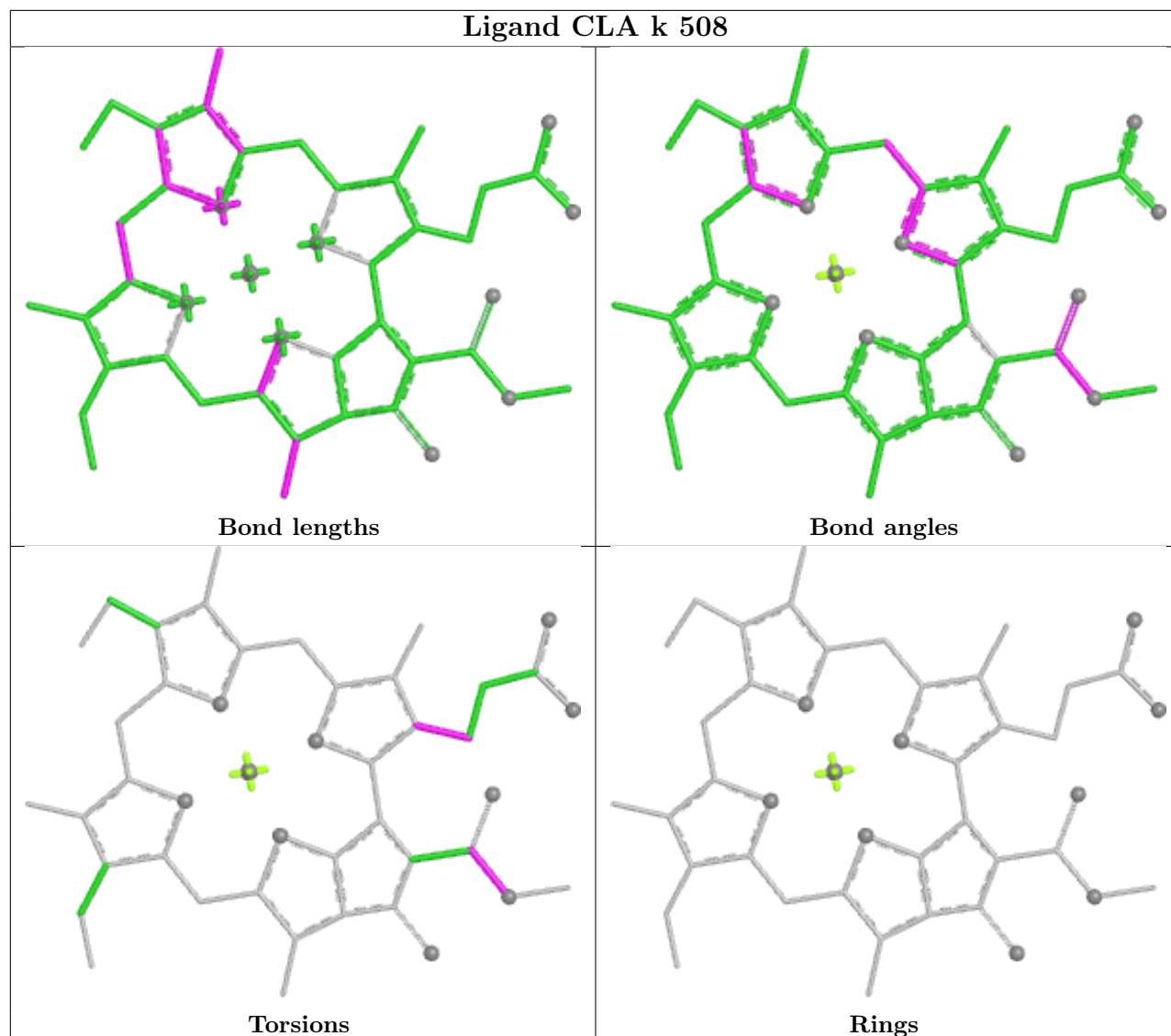


Torsions

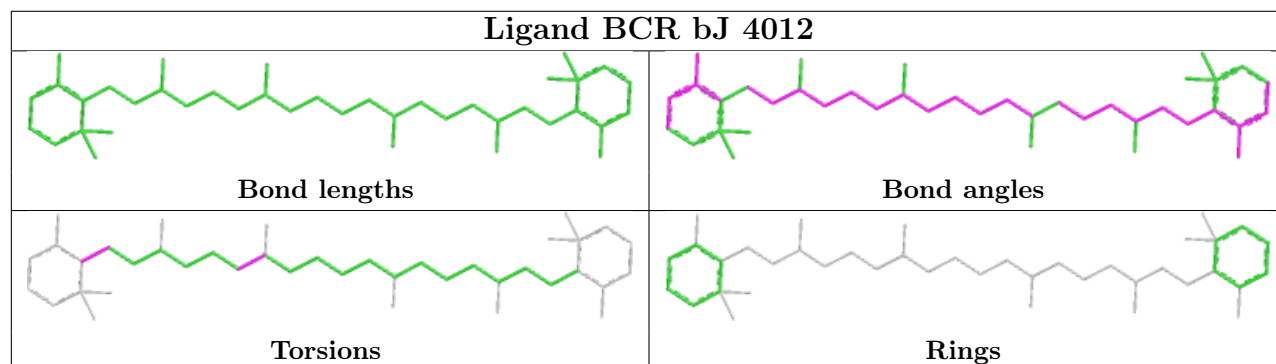


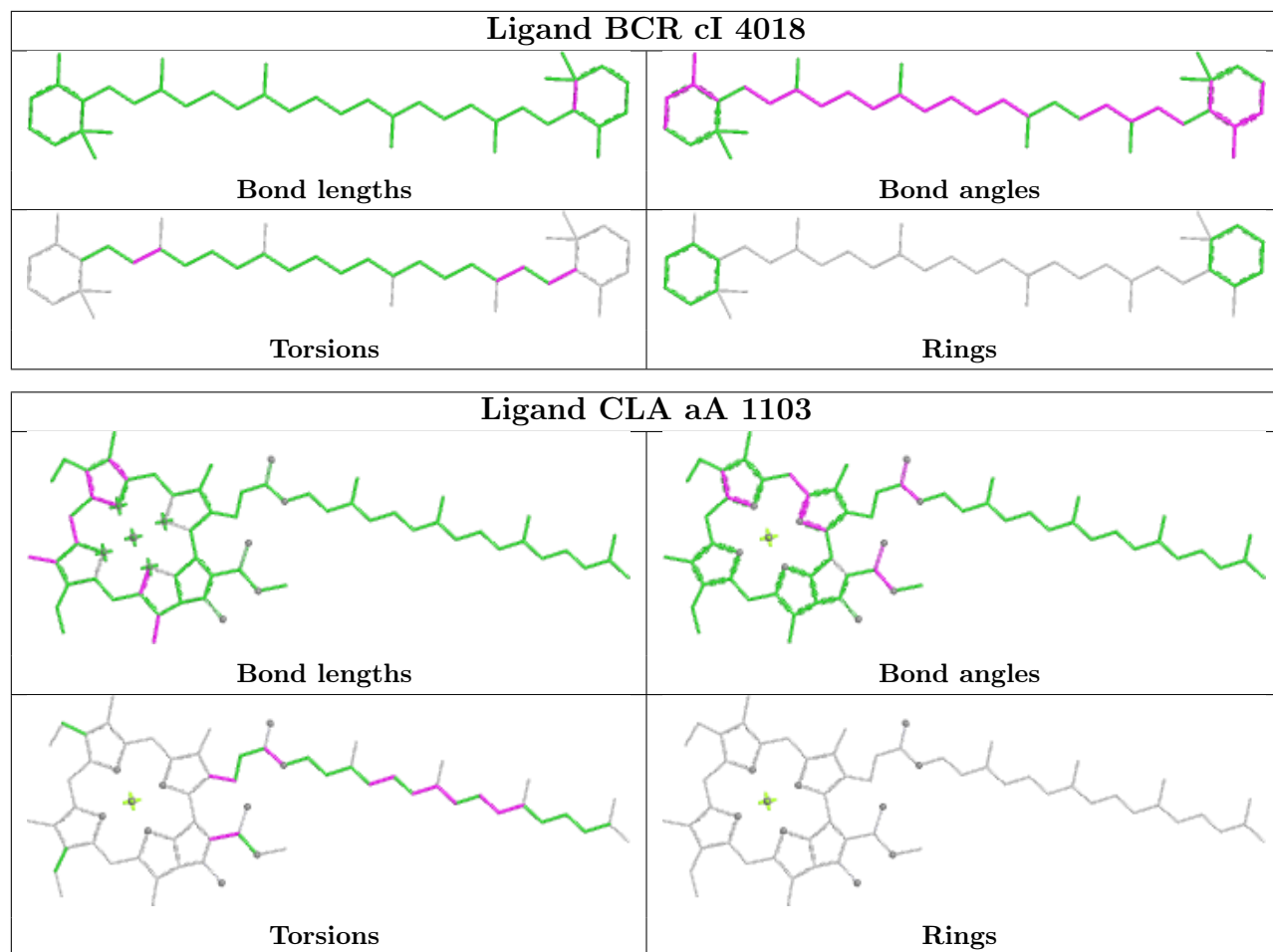
Rings

Ligand CLA k 508

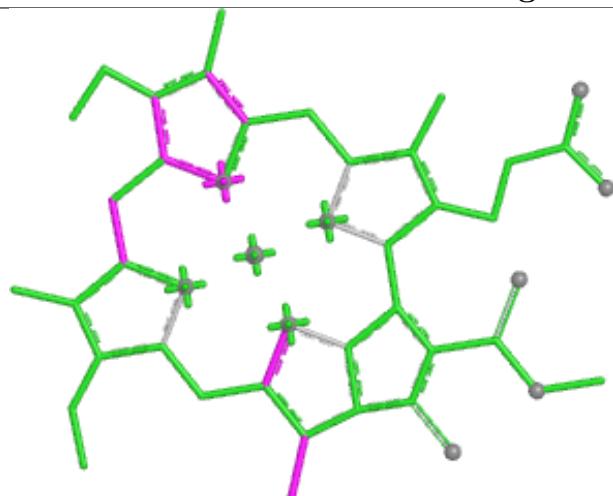


Ligand BCR bJ 4012

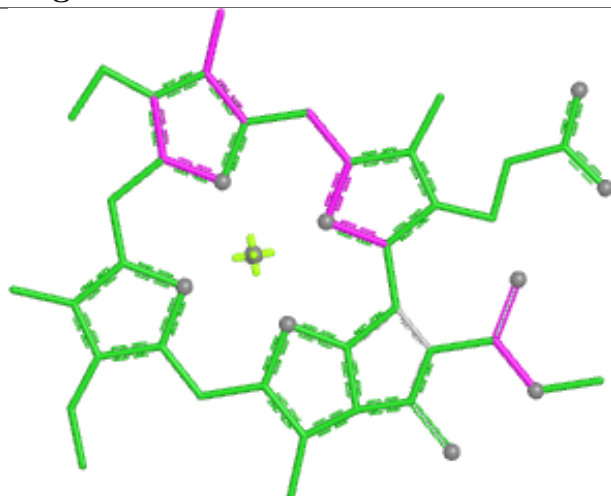




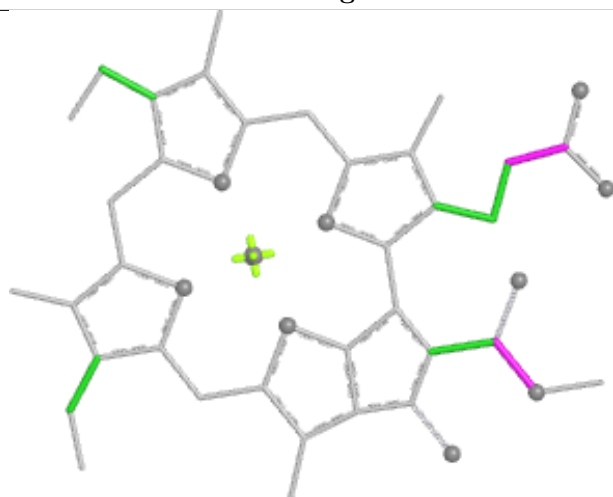
Ligand CLA g 513



Bond lengths



Bond angles

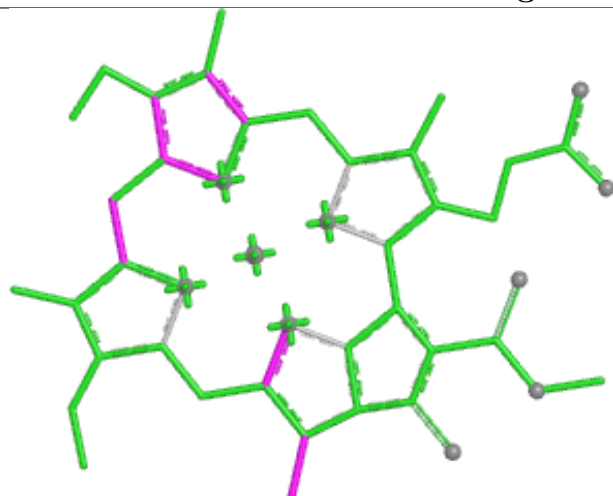


Torsions

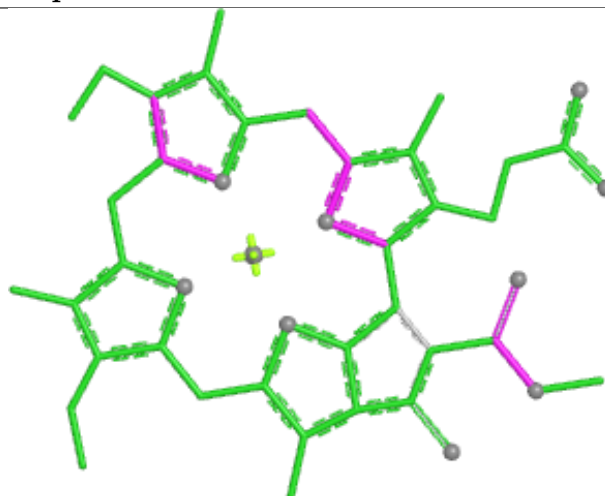


Rings

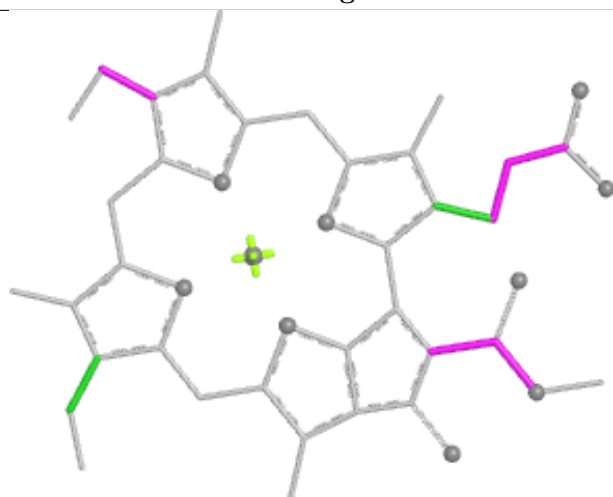
Ligand CLA p 501



Bond lengths



Bond angles

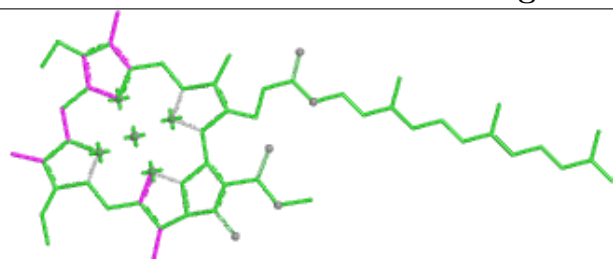


Torsions

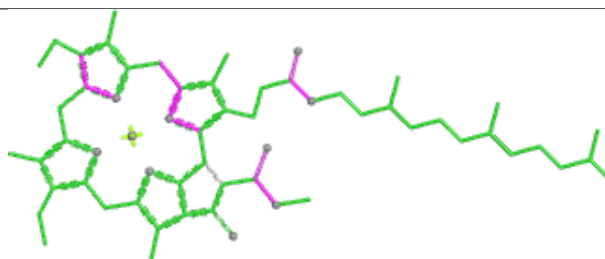


Rings

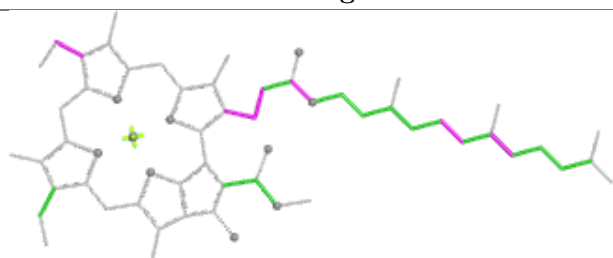
Ligand CLA a 501



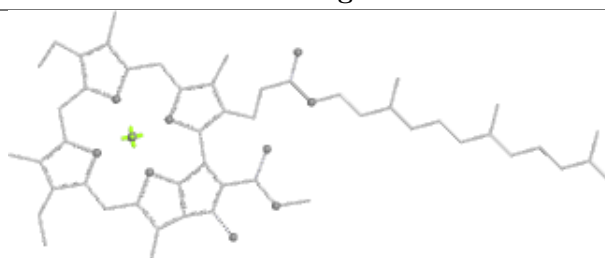
Bond lengths



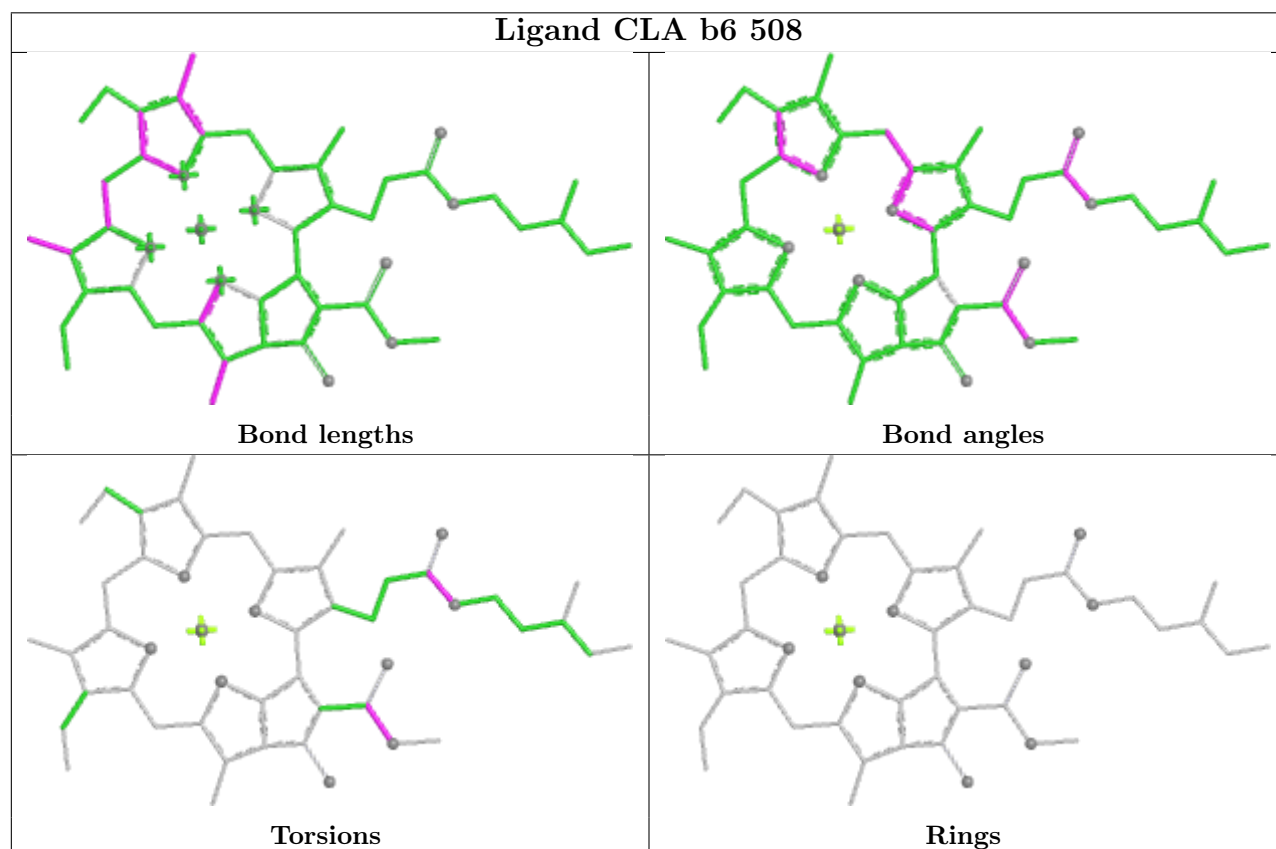
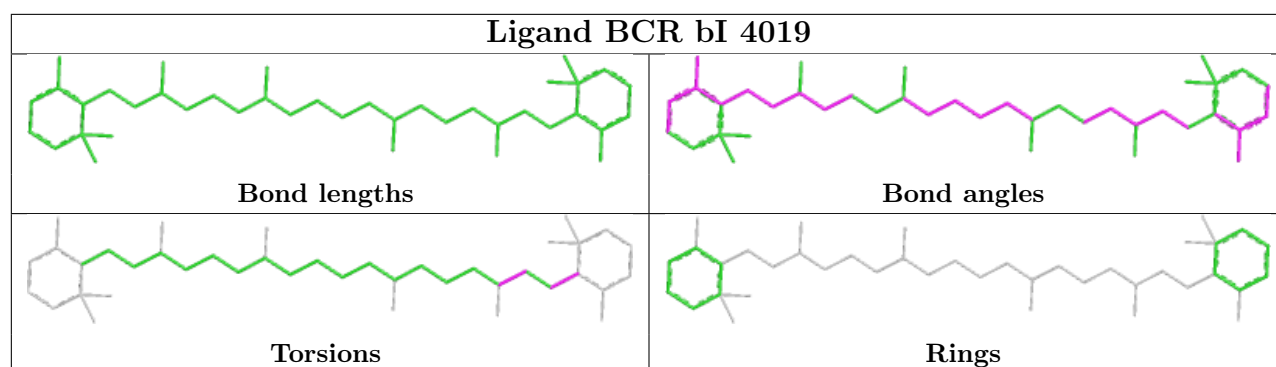
Bond angles

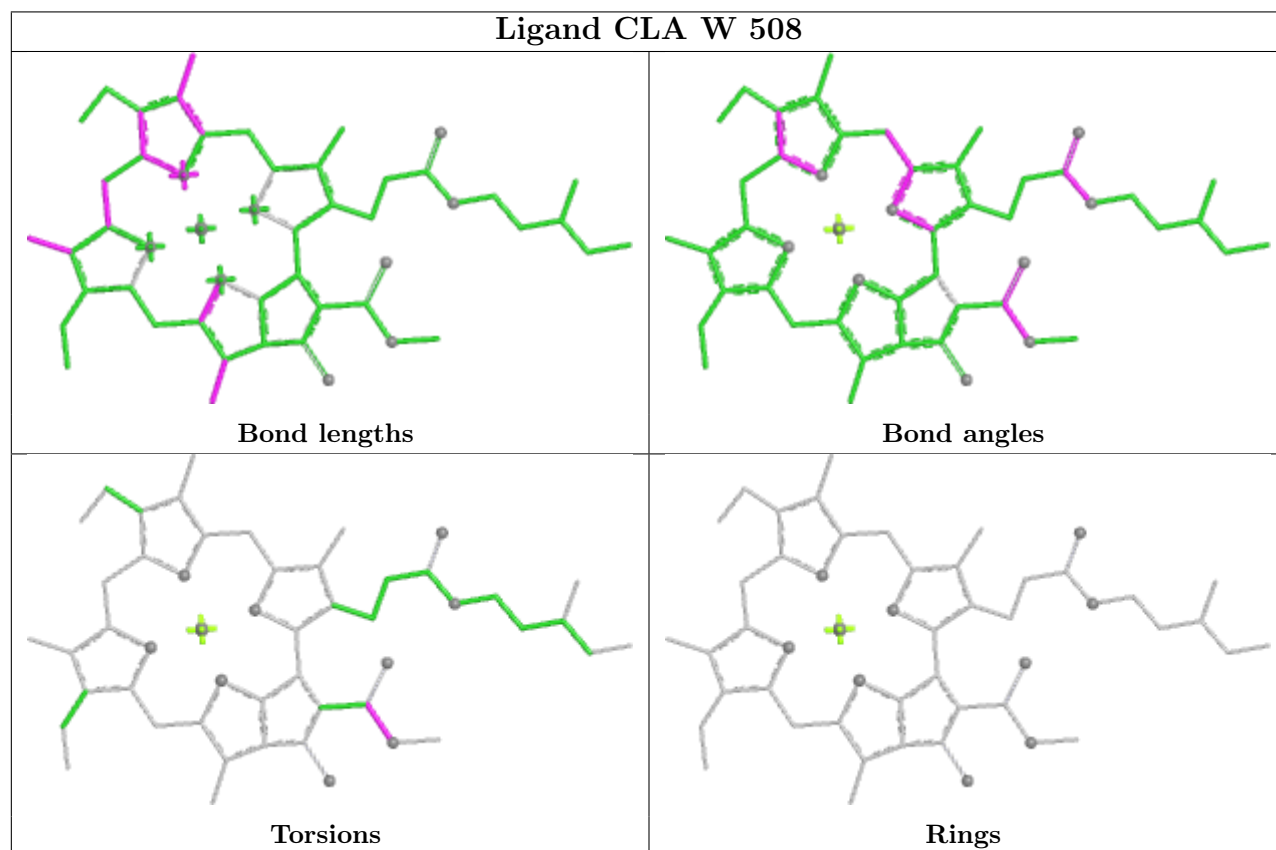
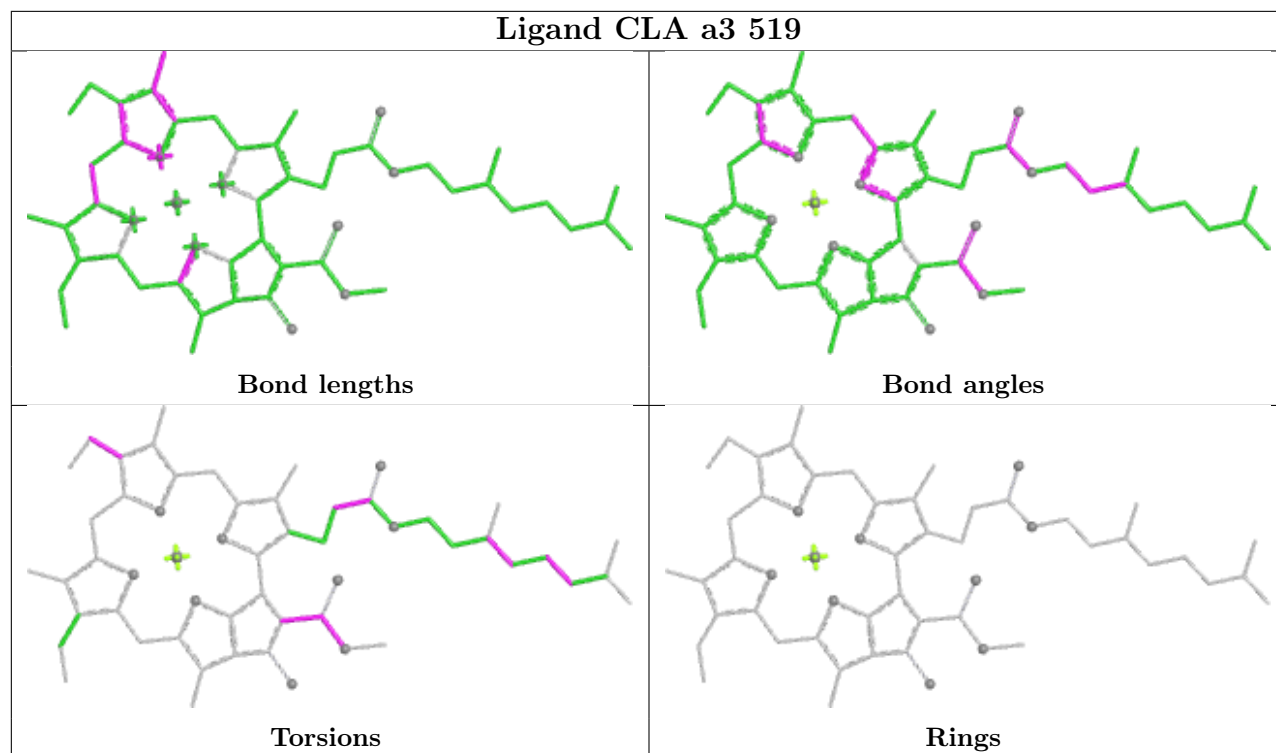


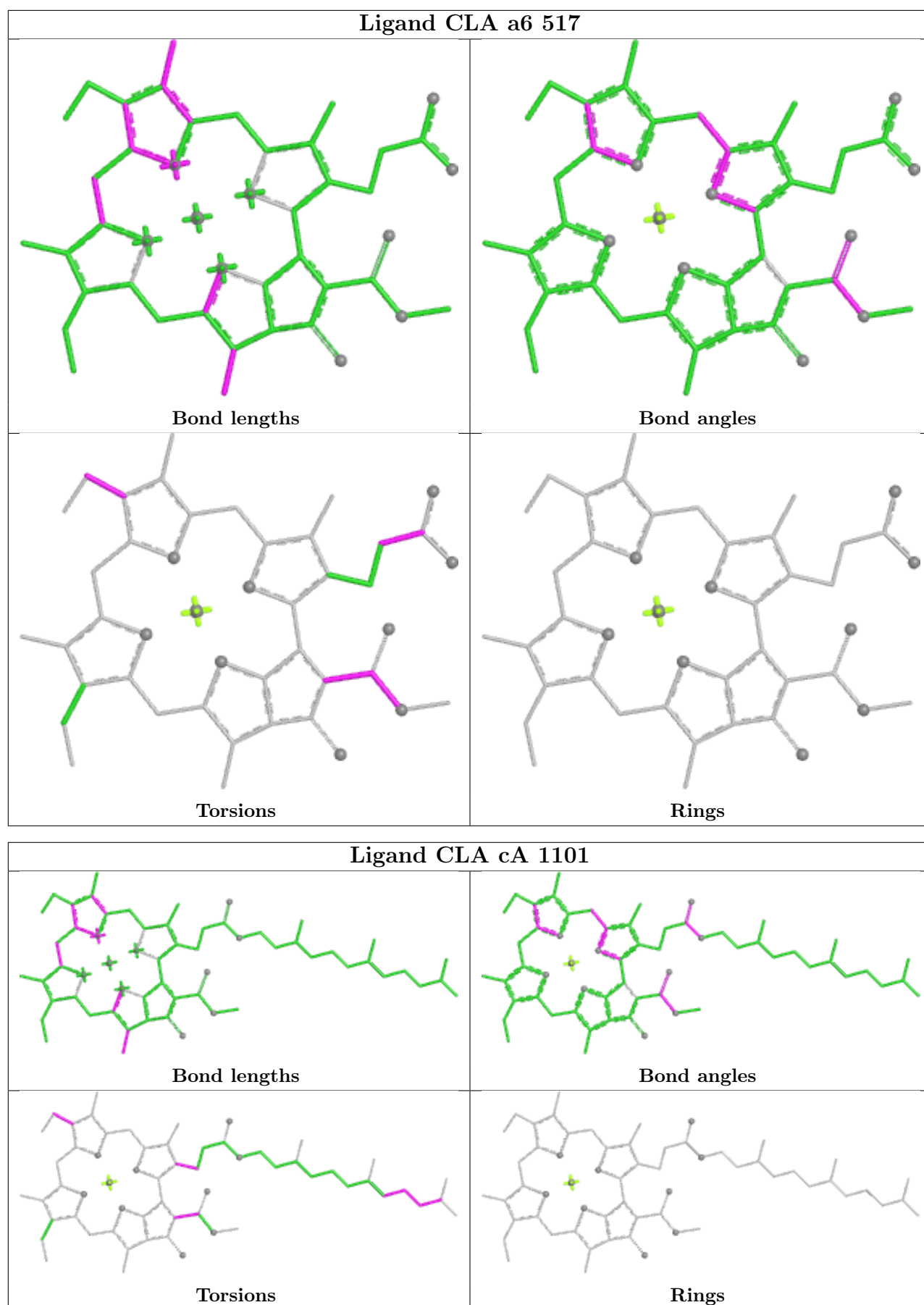
Torsions

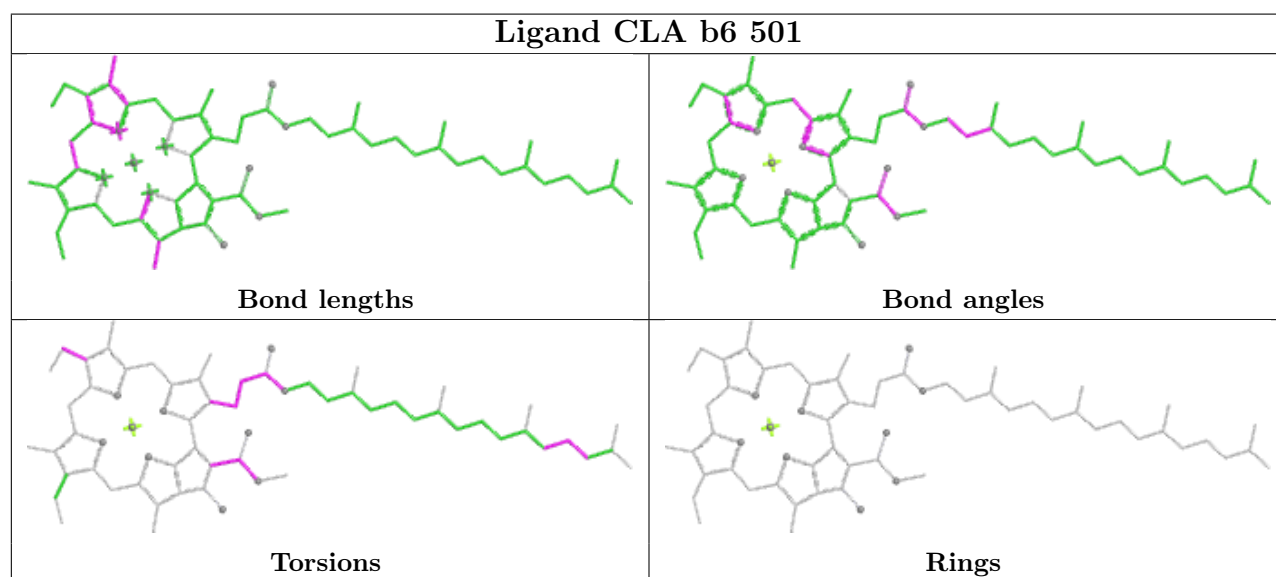
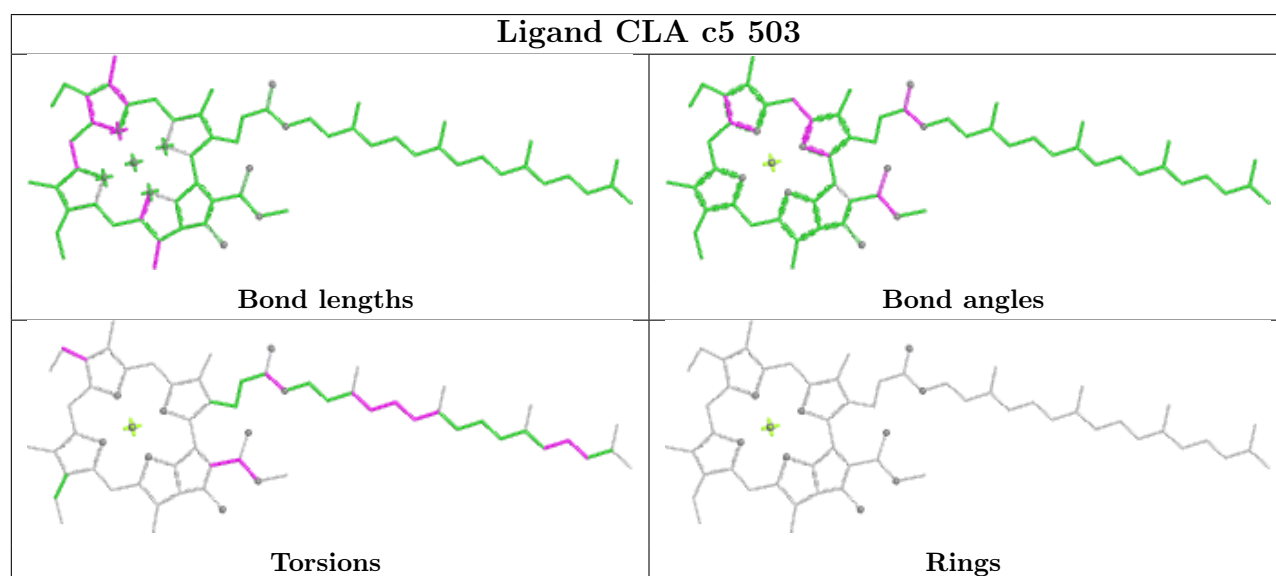
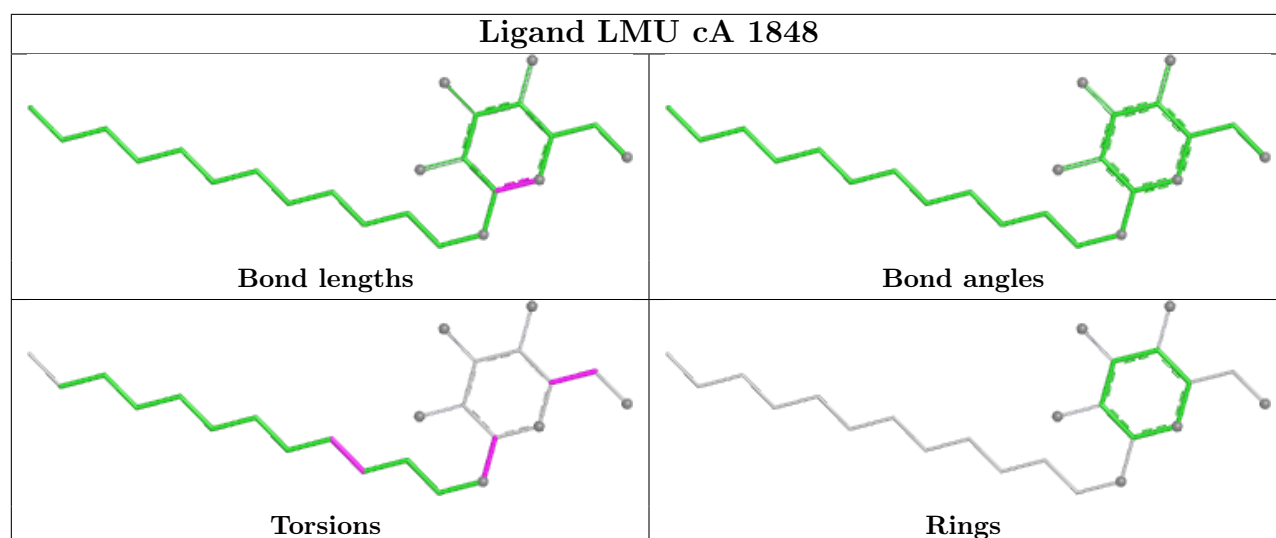


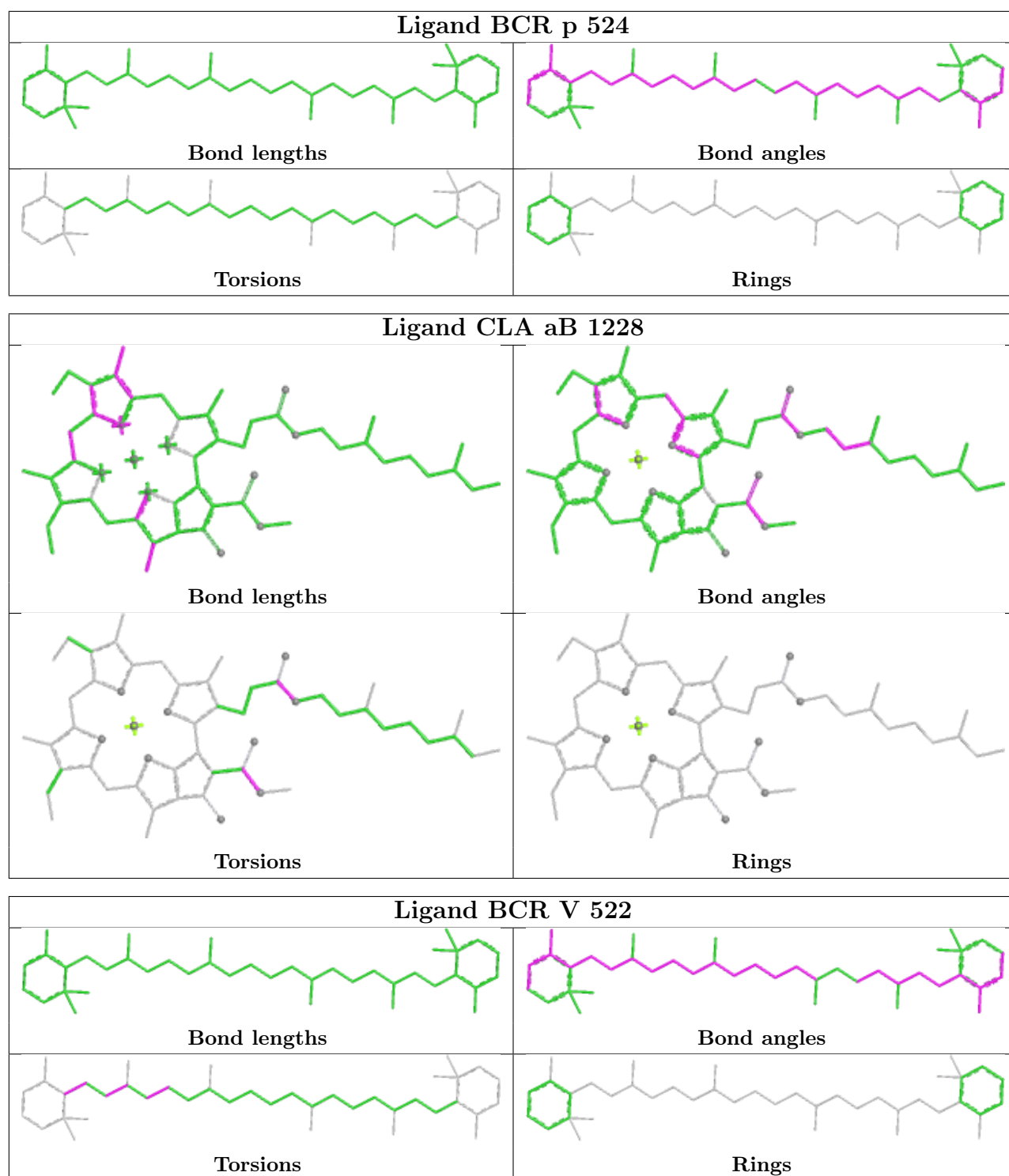
Rings



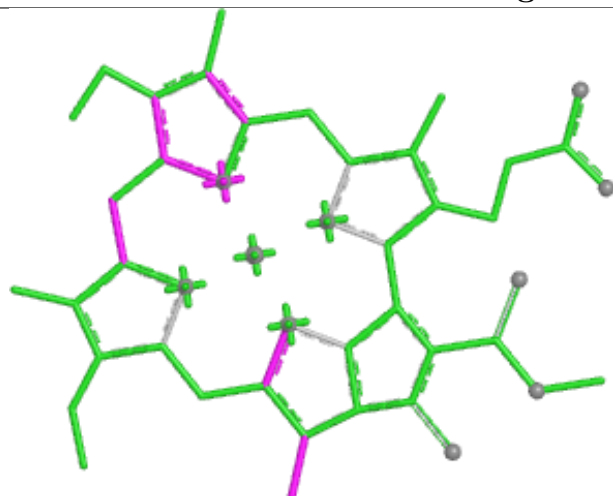




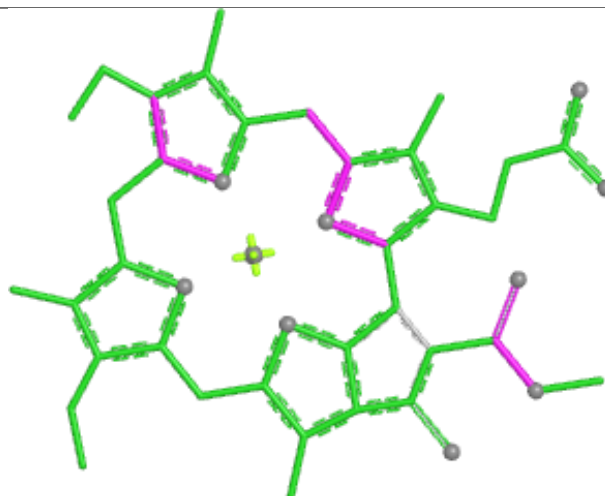




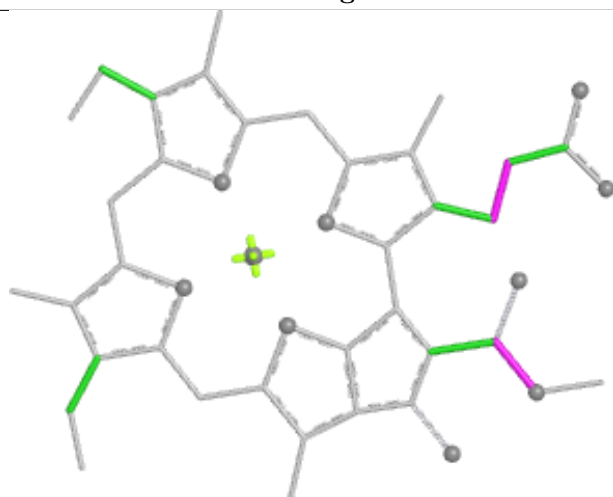
Ligand CLA h 505



Bond lengths



Bond angles

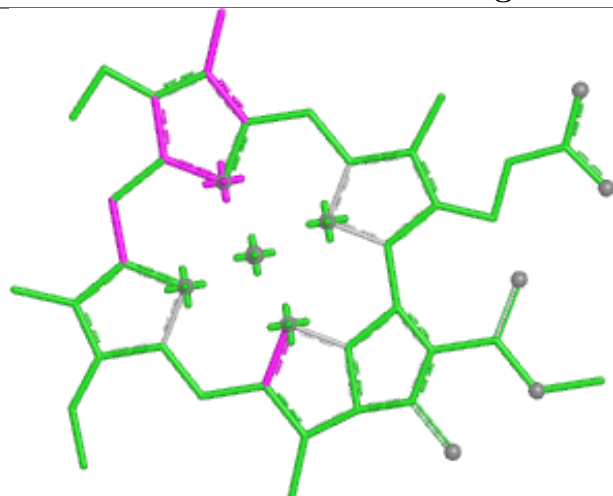


Torsions

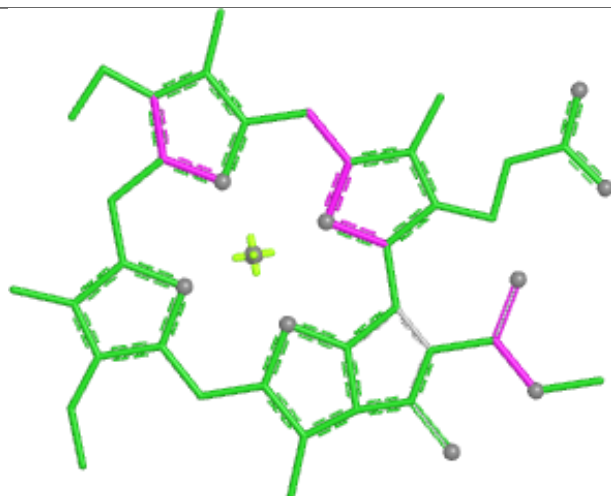


Rings

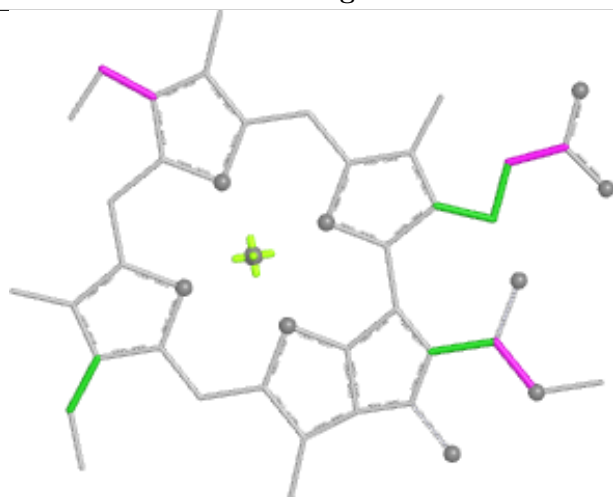
Ligand CLA bA 1114



Bond lengths



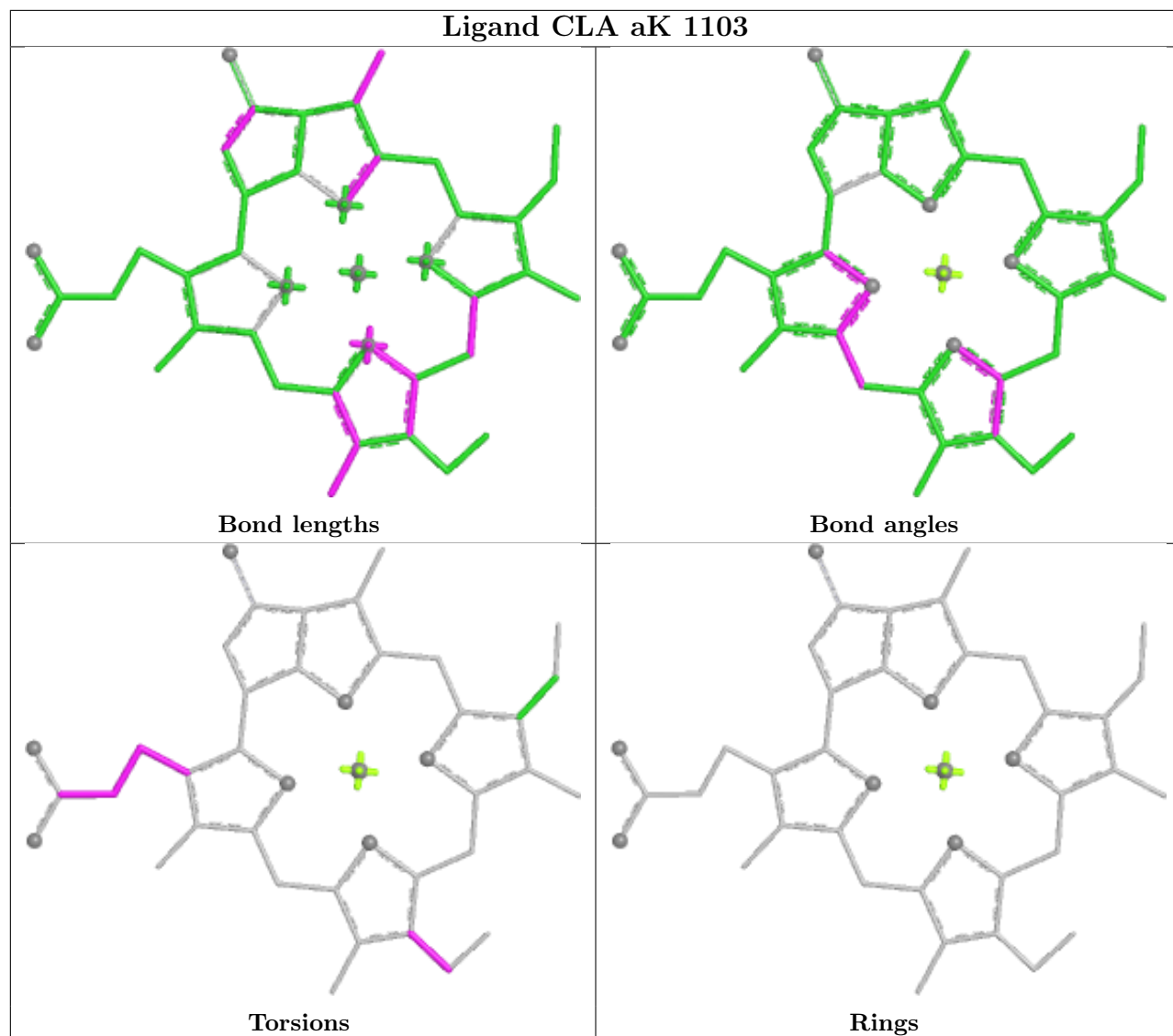
Bond angles



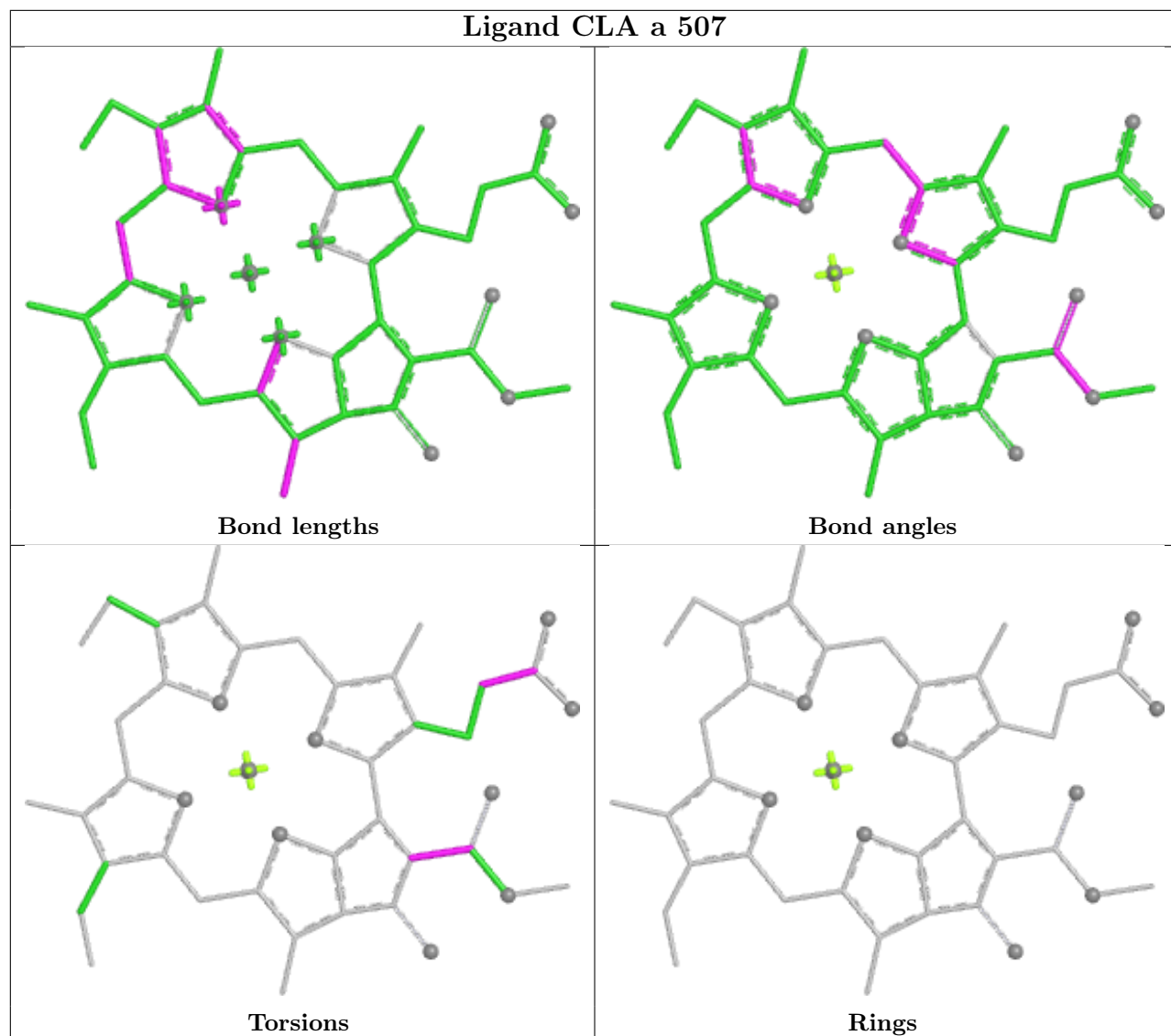
Torsions



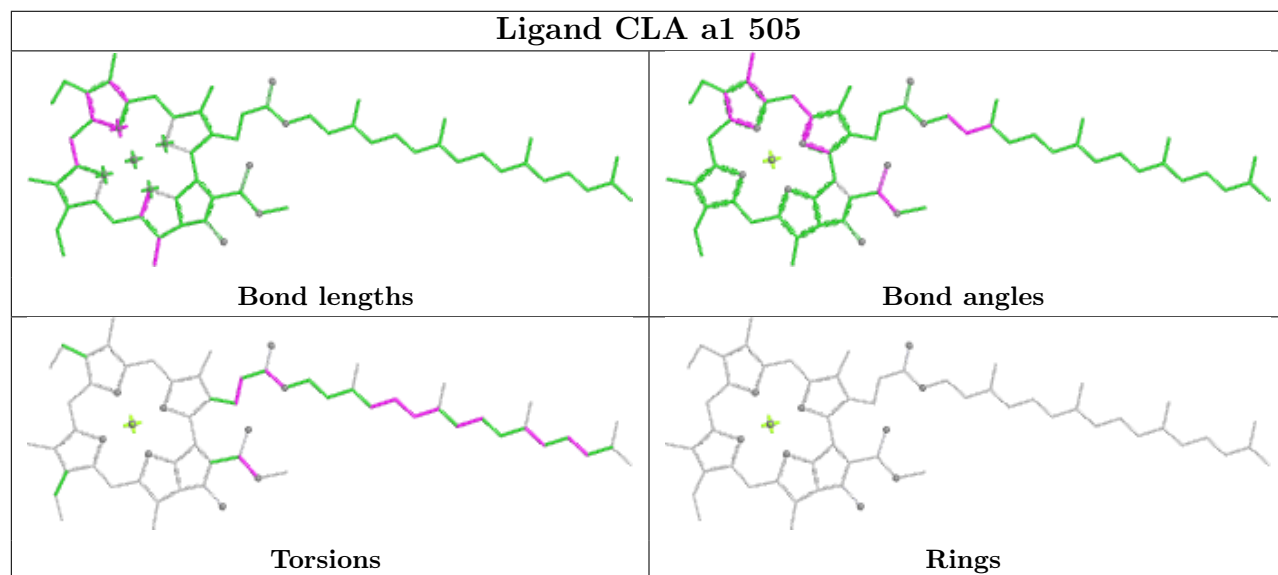
Rings

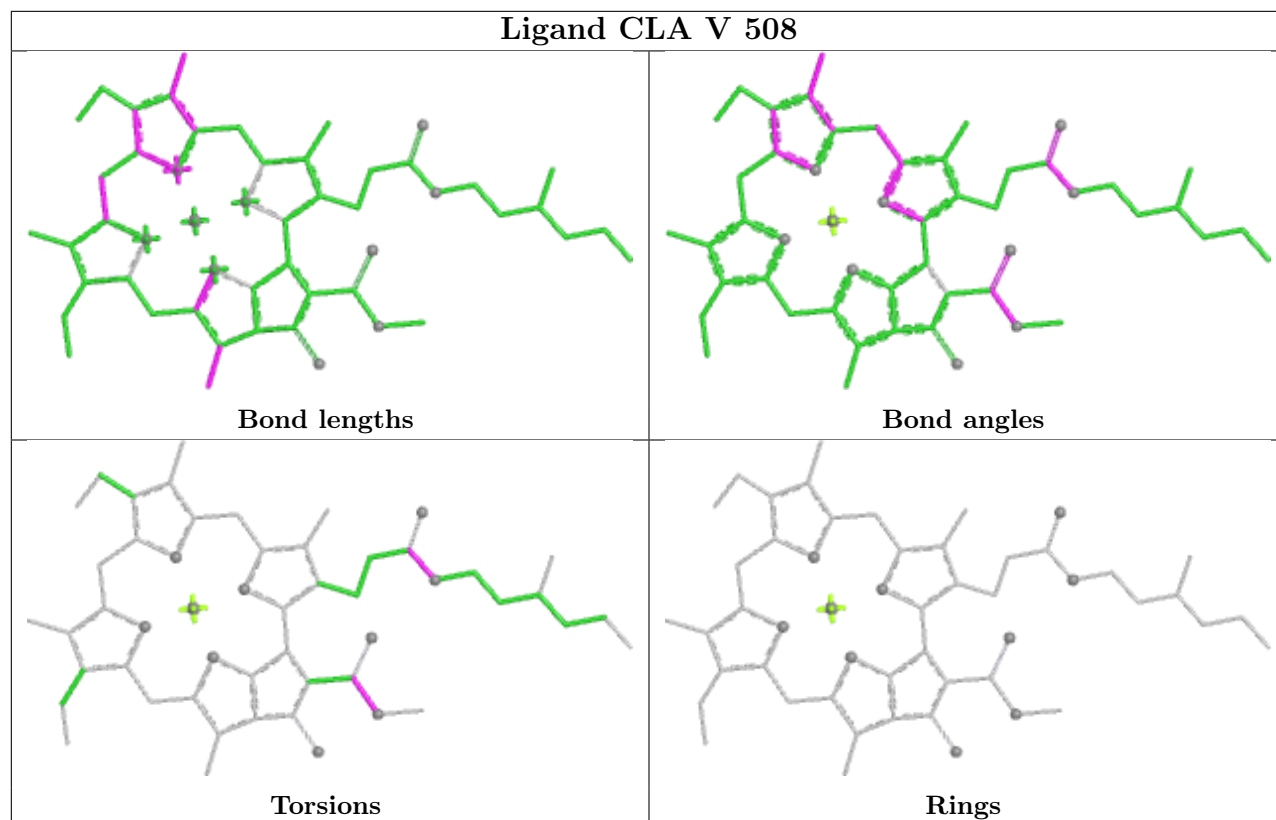
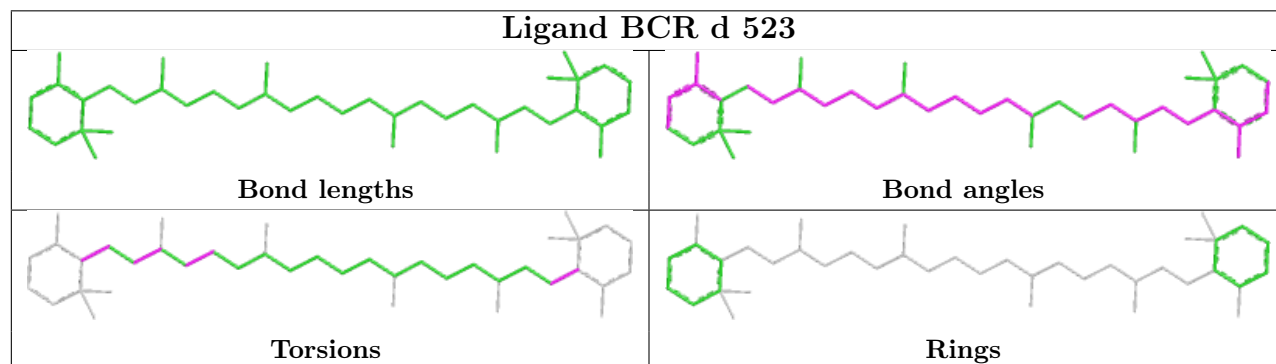
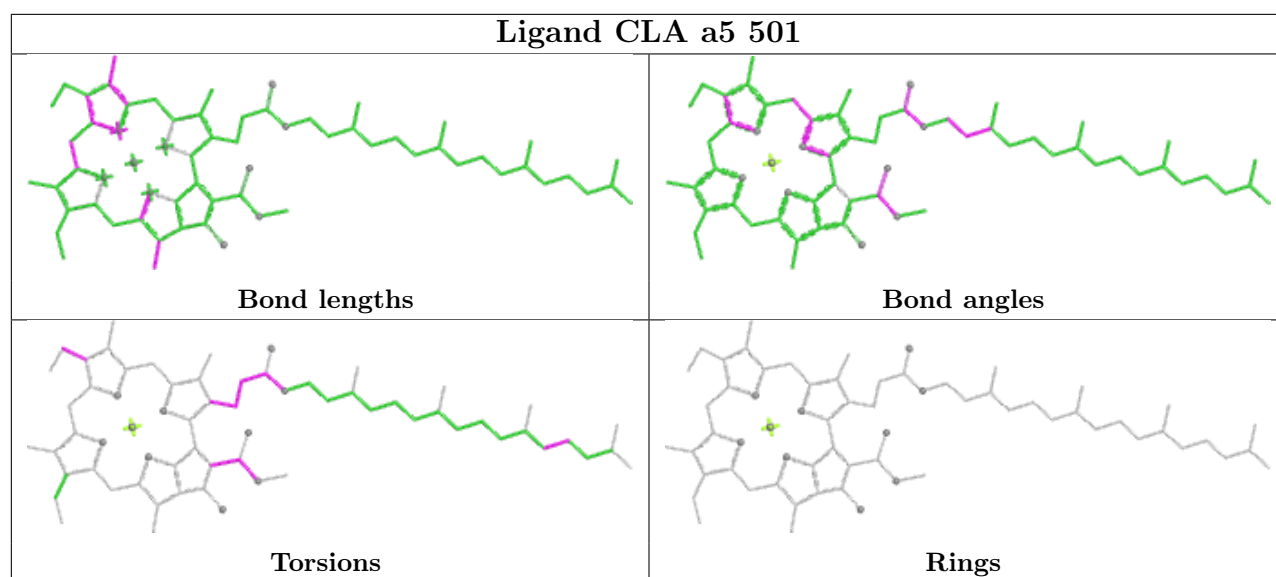


Ligand CLA a 507

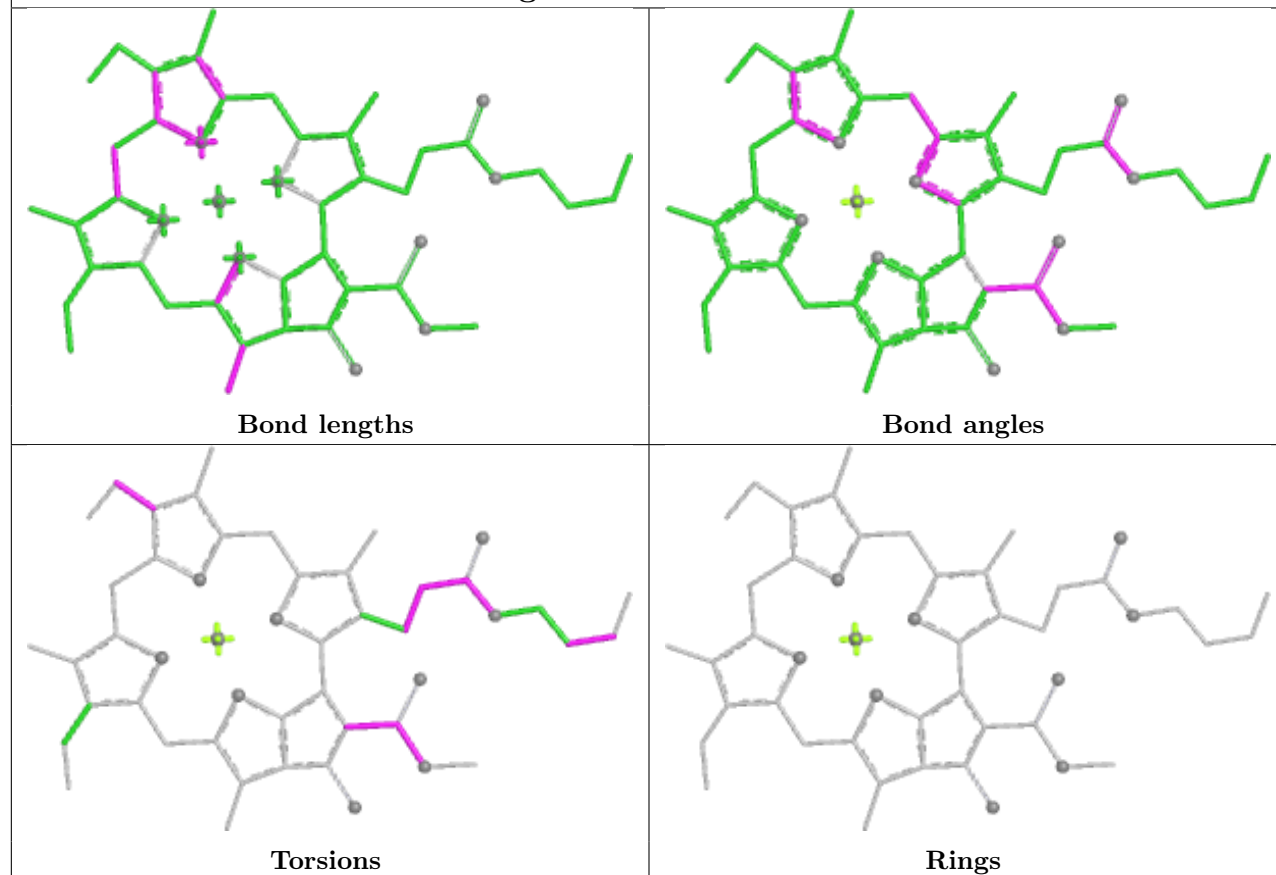


Ligand CLA a1 505

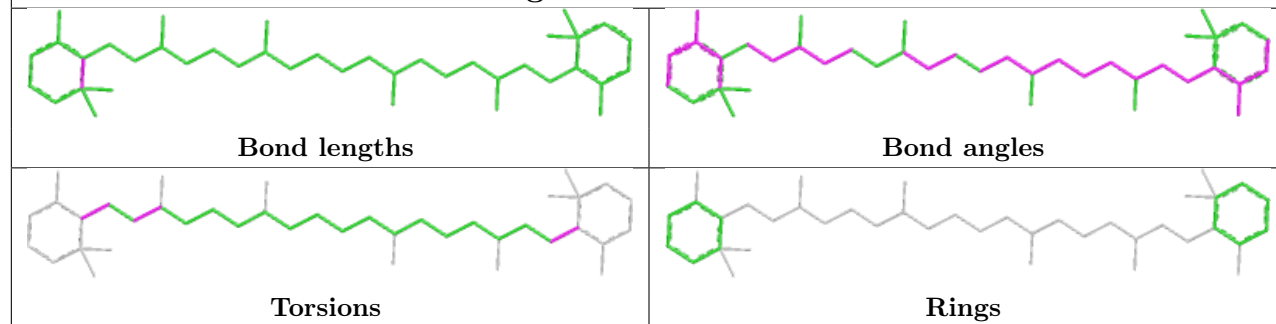


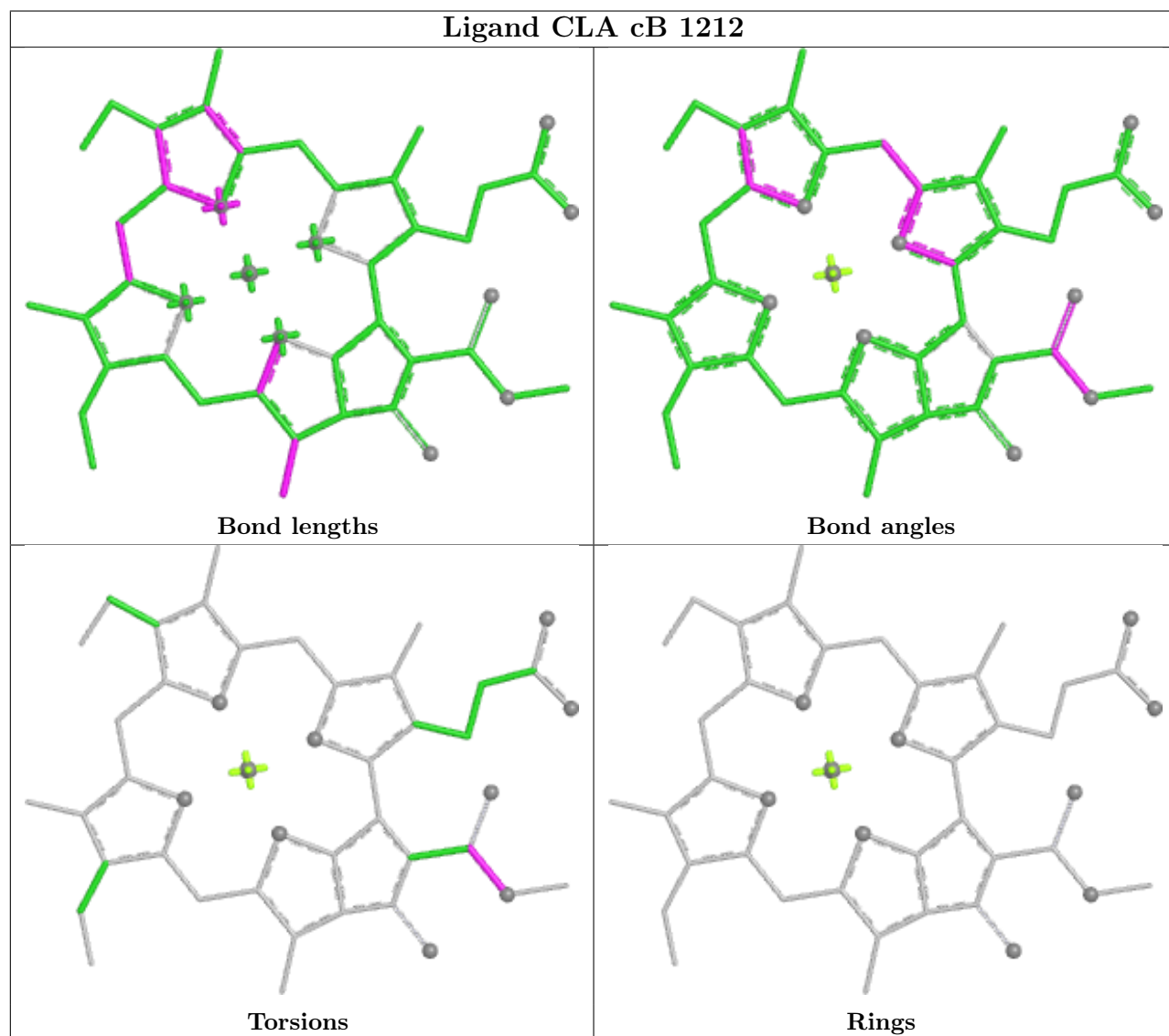
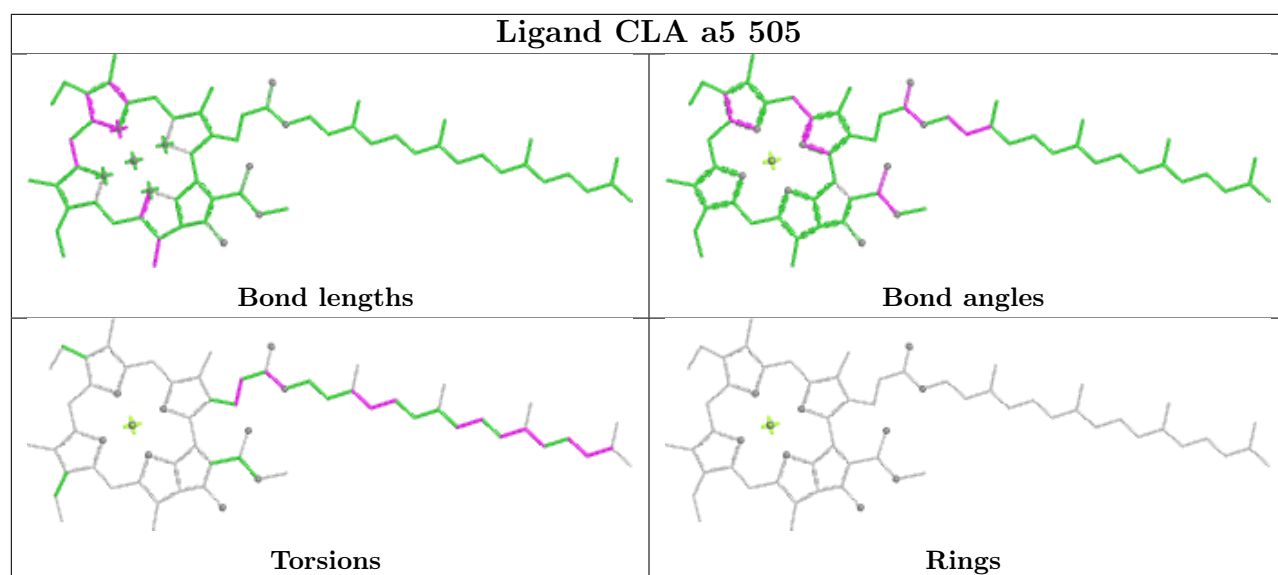


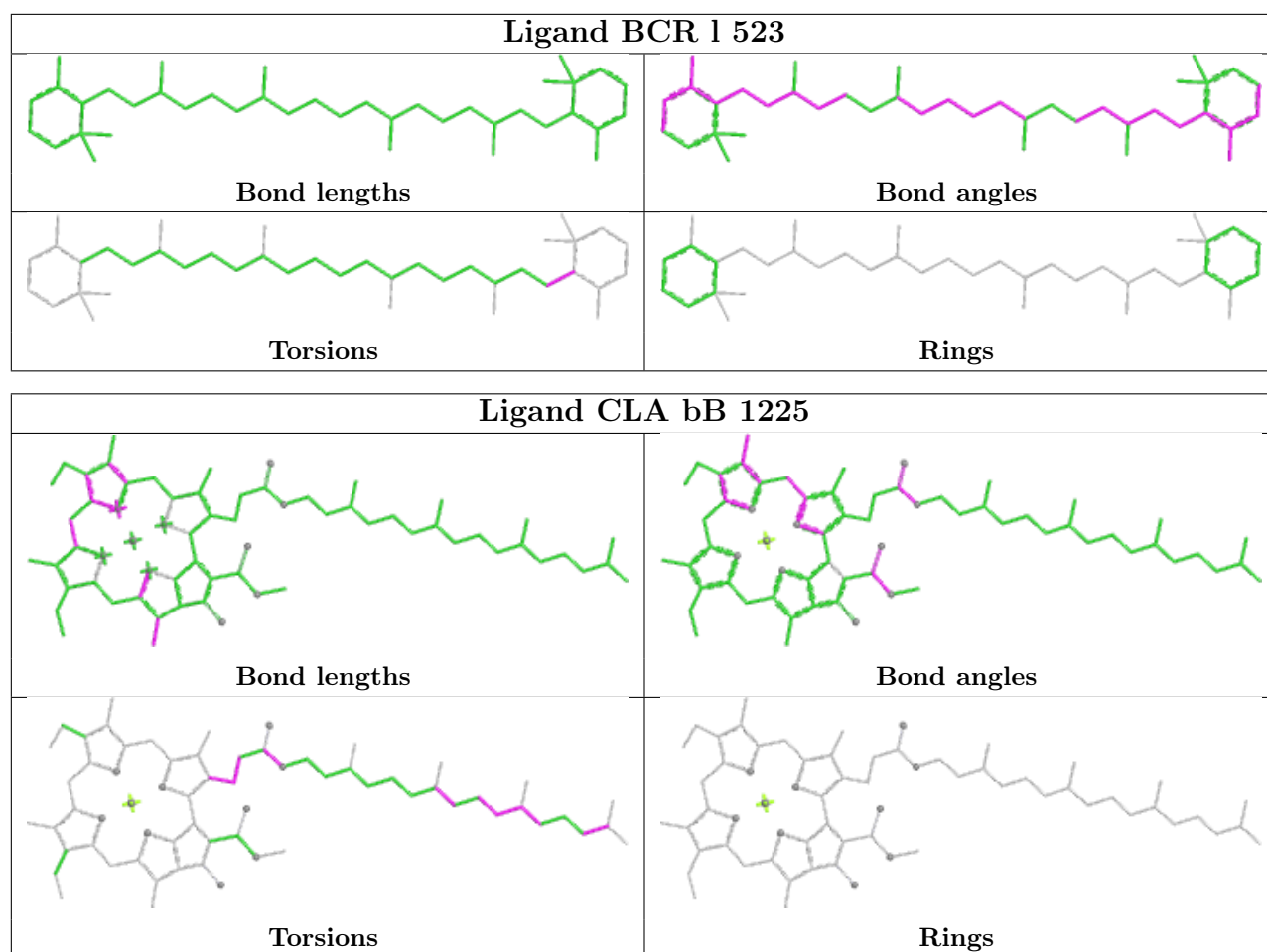
Ligand CLA cJ 1302

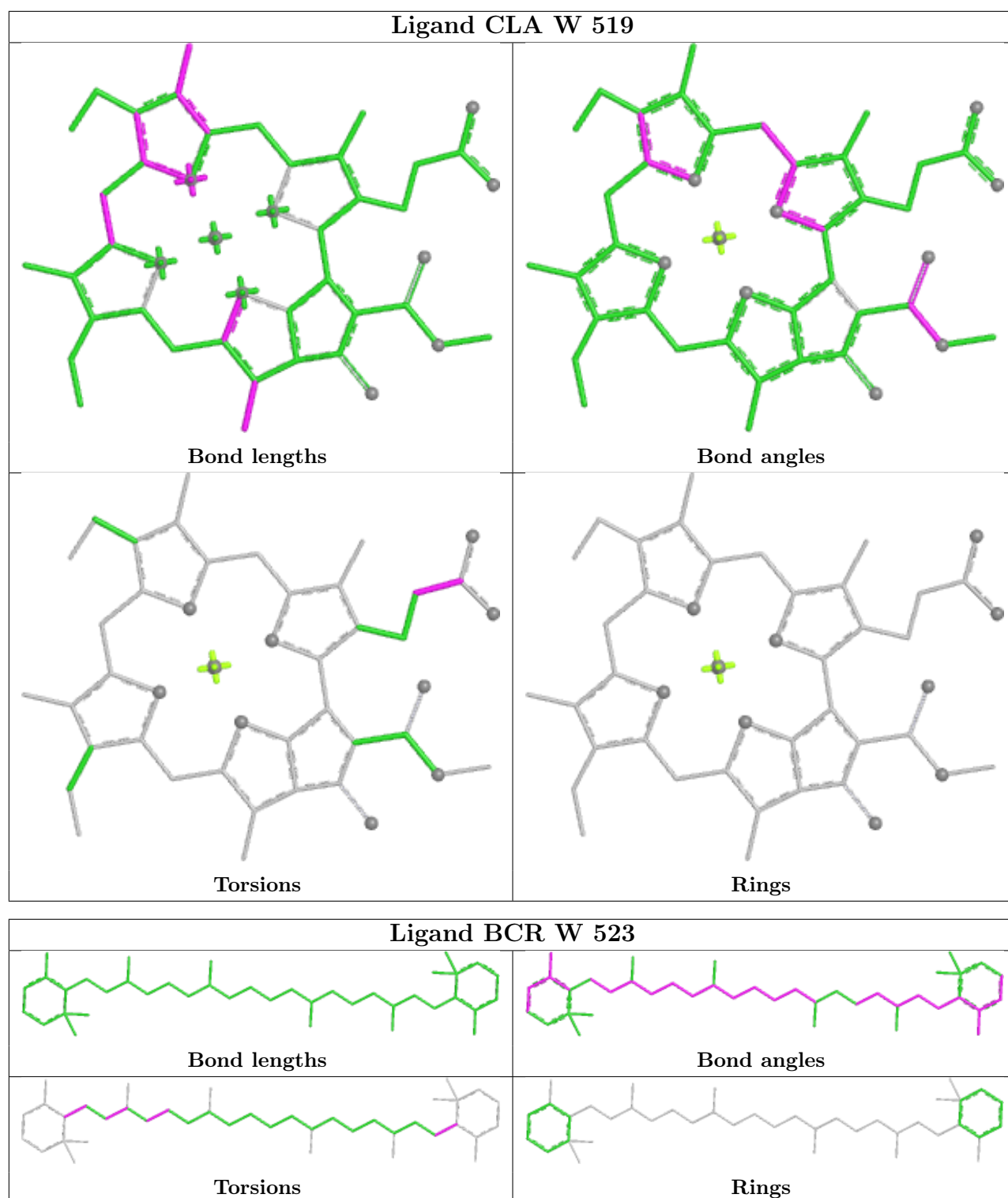


Ligand BCR c6 523

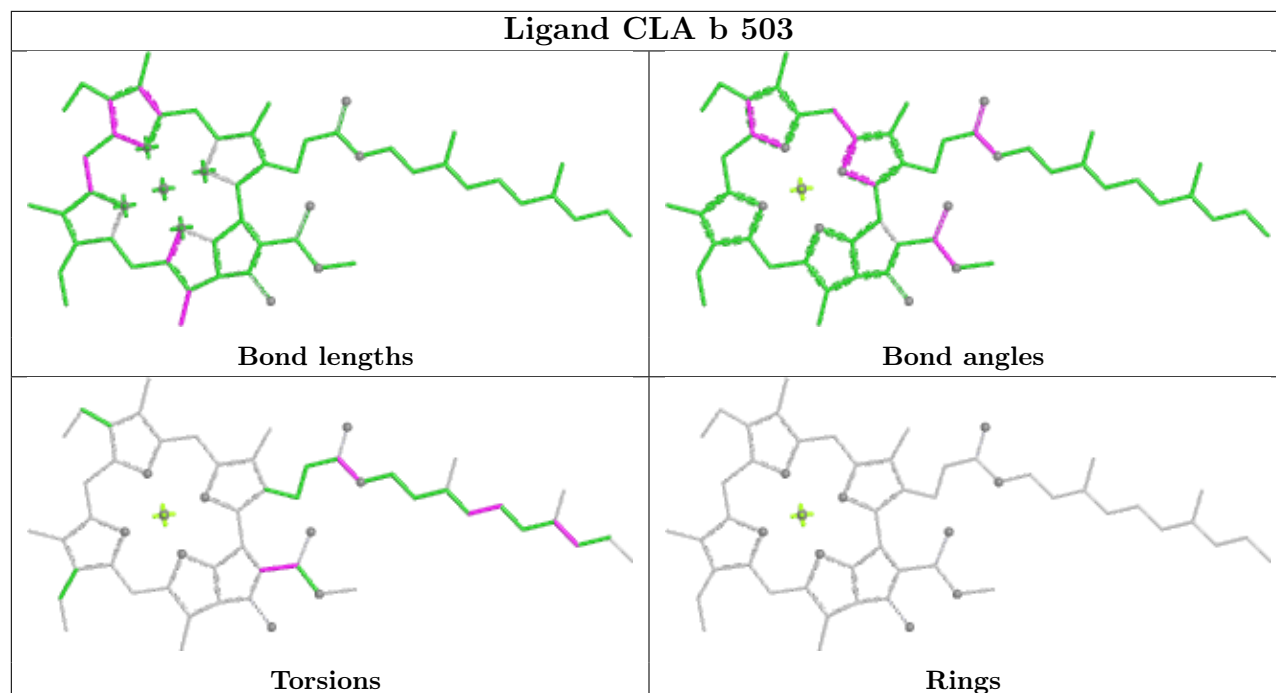




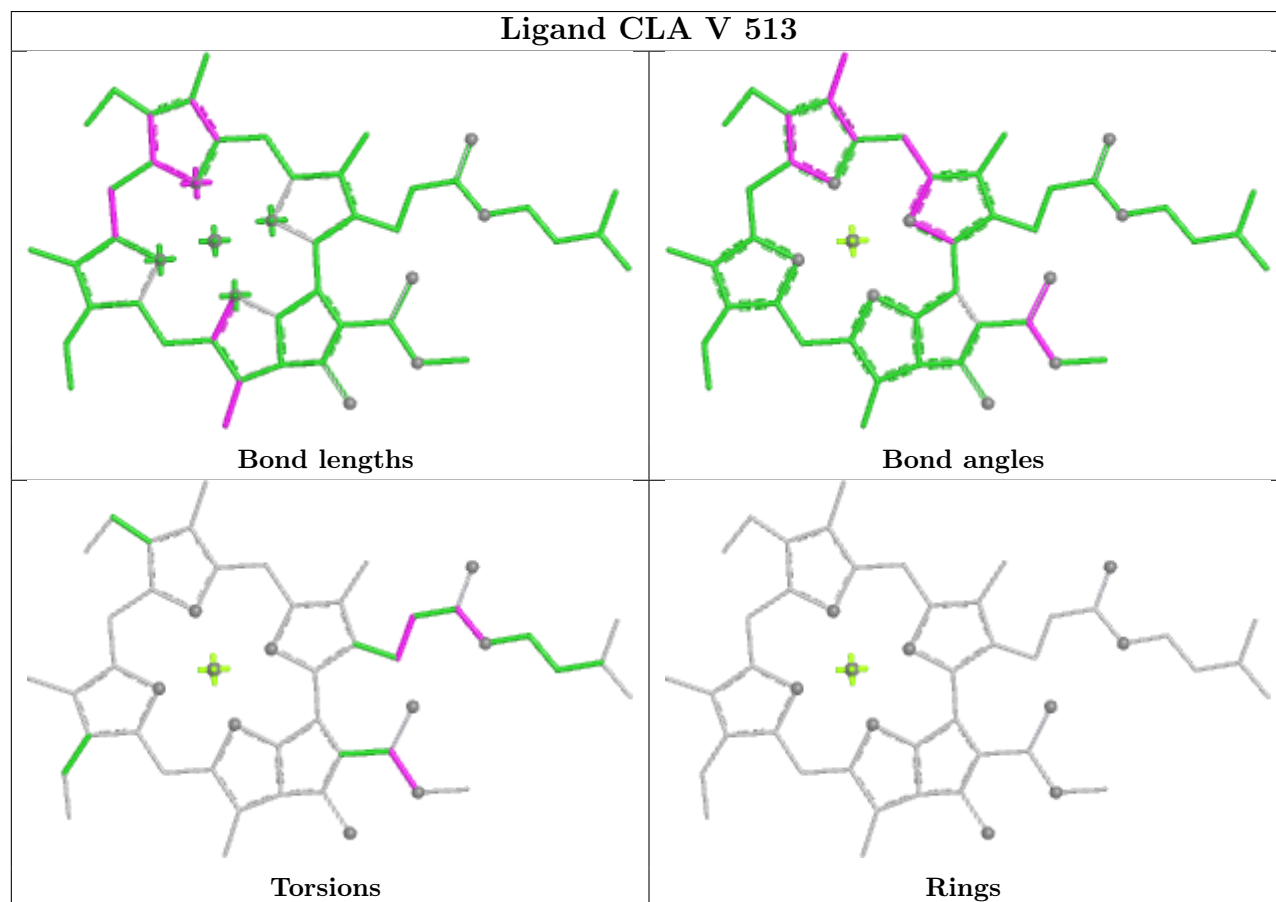


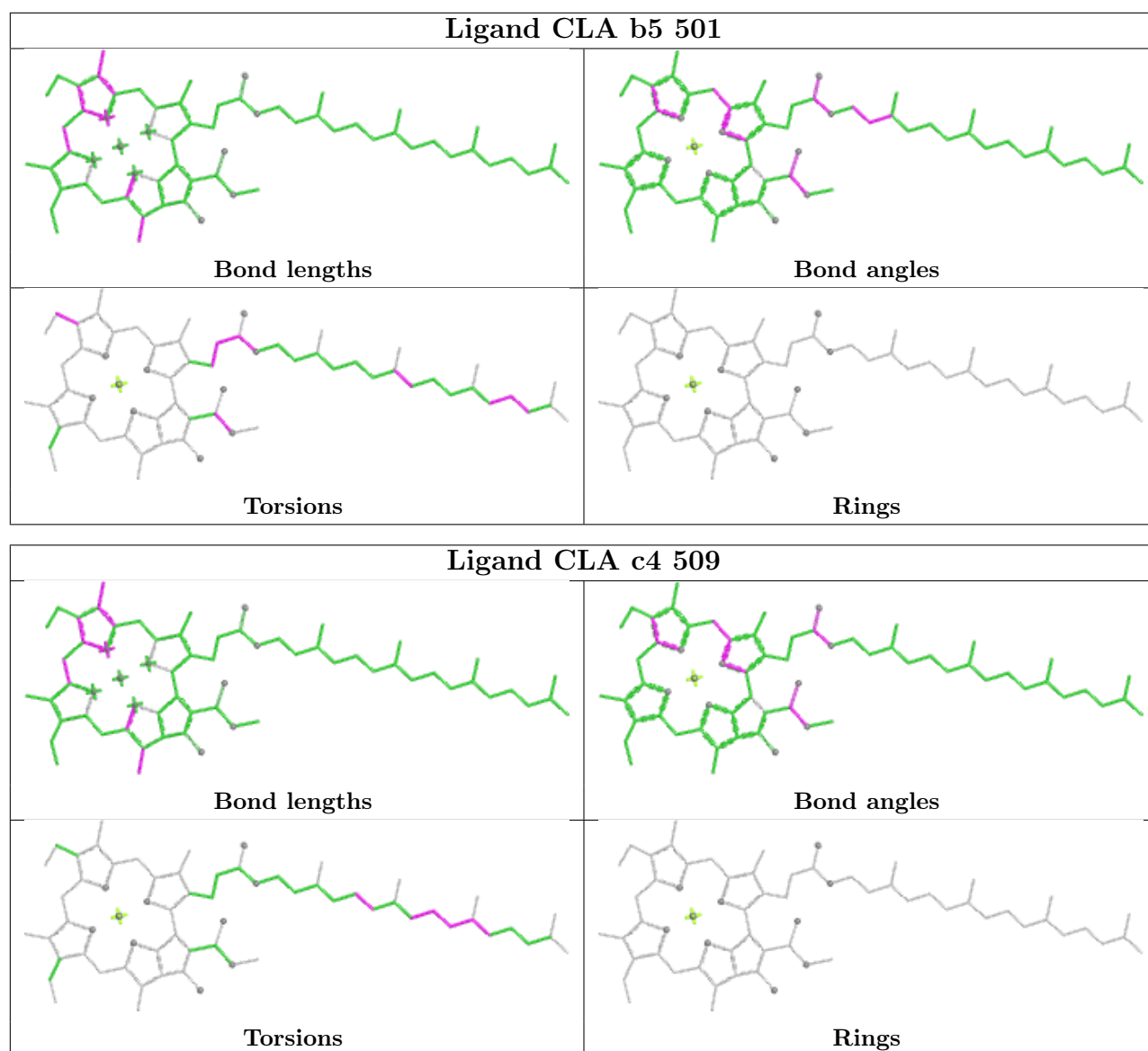


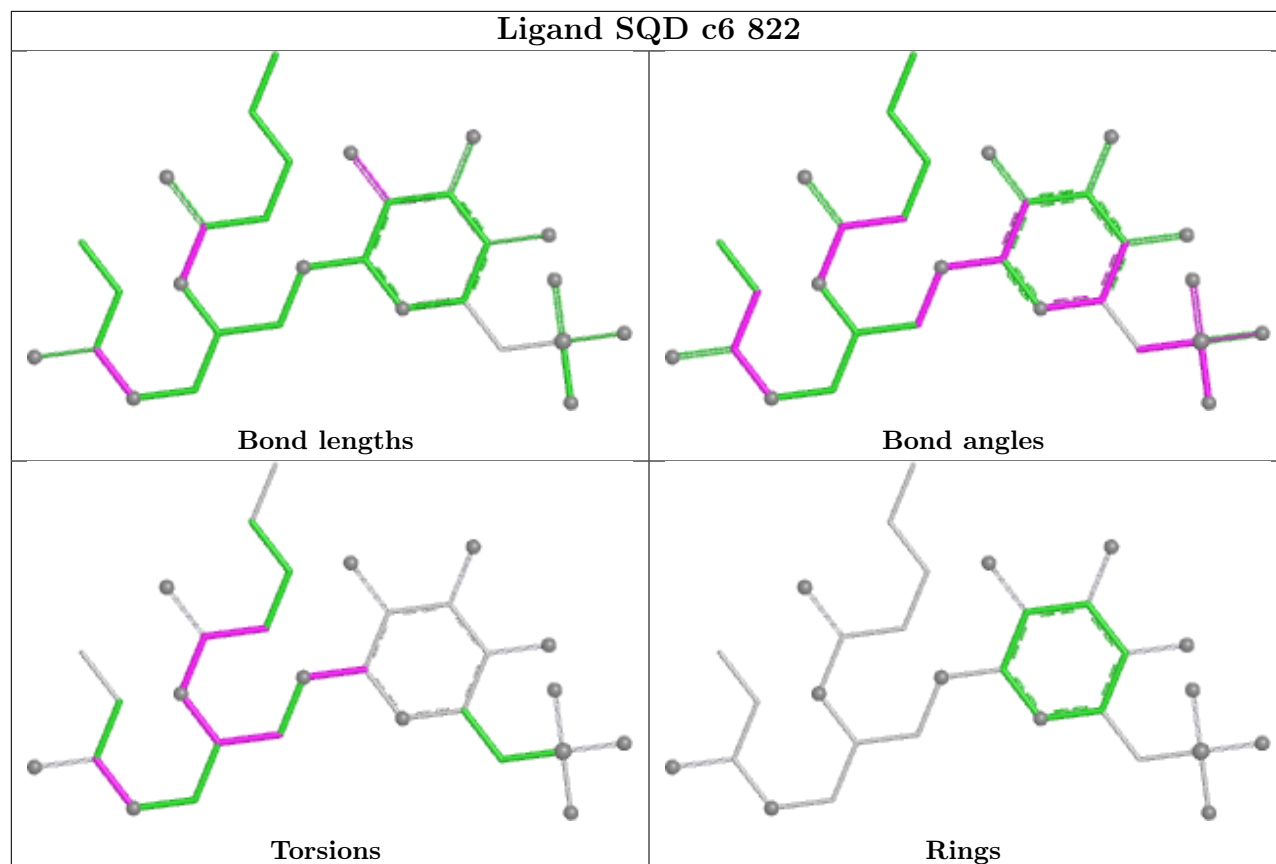
Ligand CLA b 503

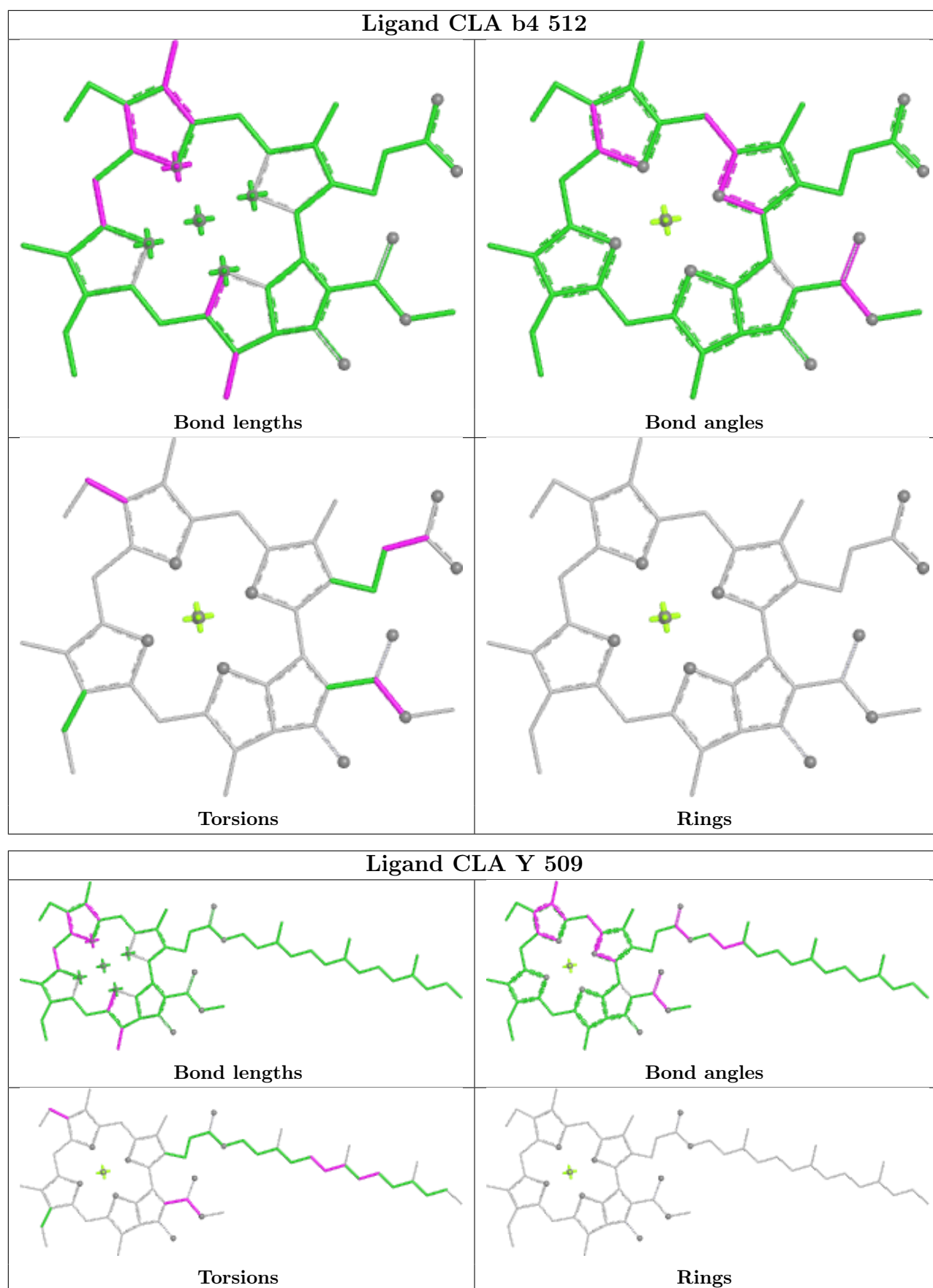


Ligand CLA V 513

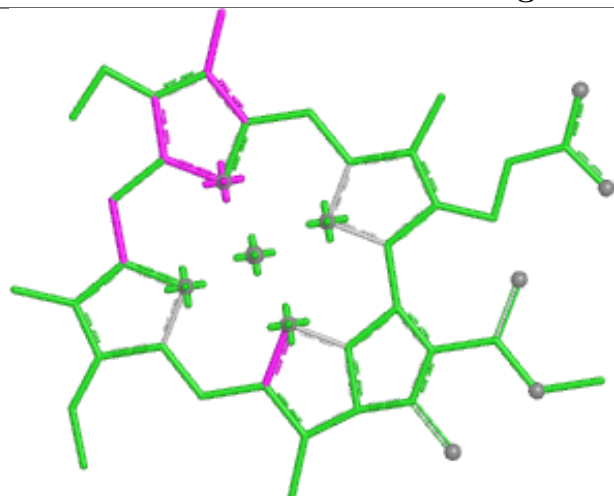




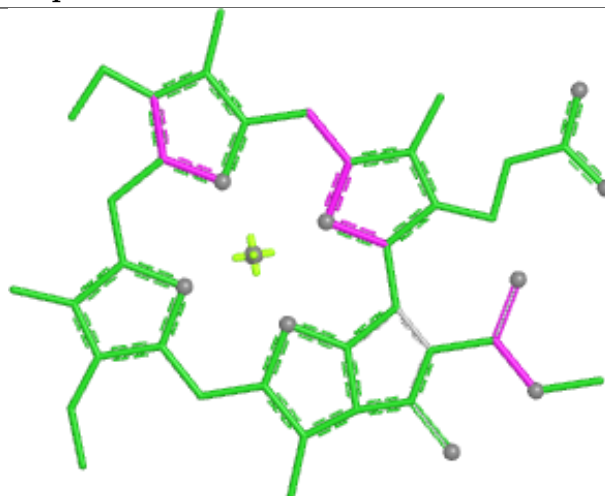




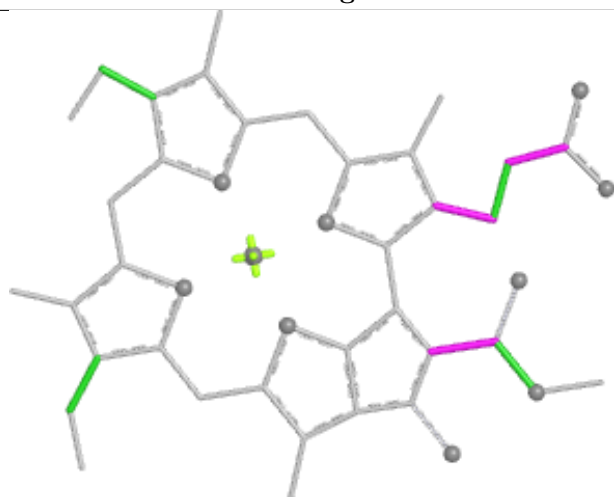
Ligand CLA p 517



Bond lengths



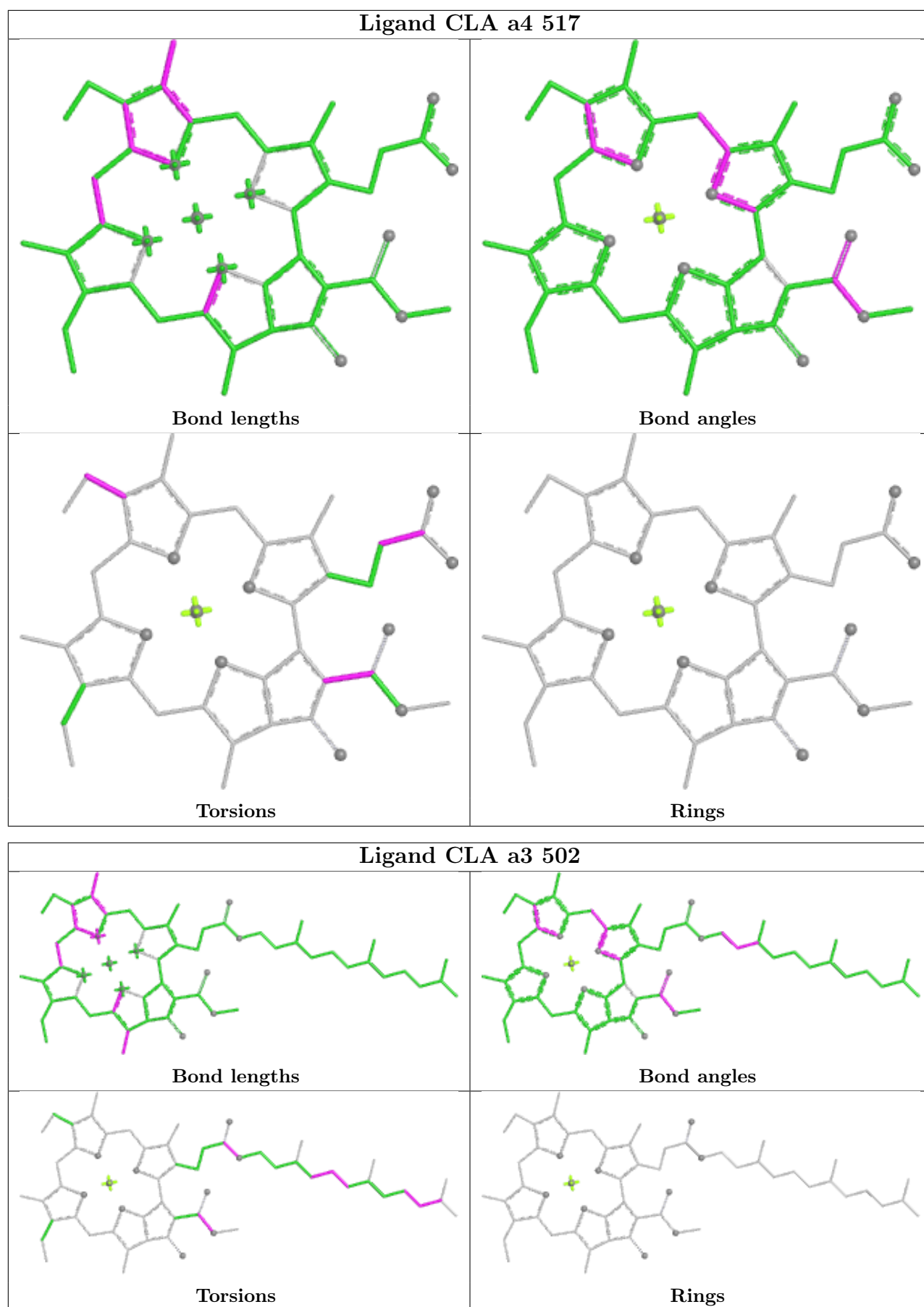
Bond angles



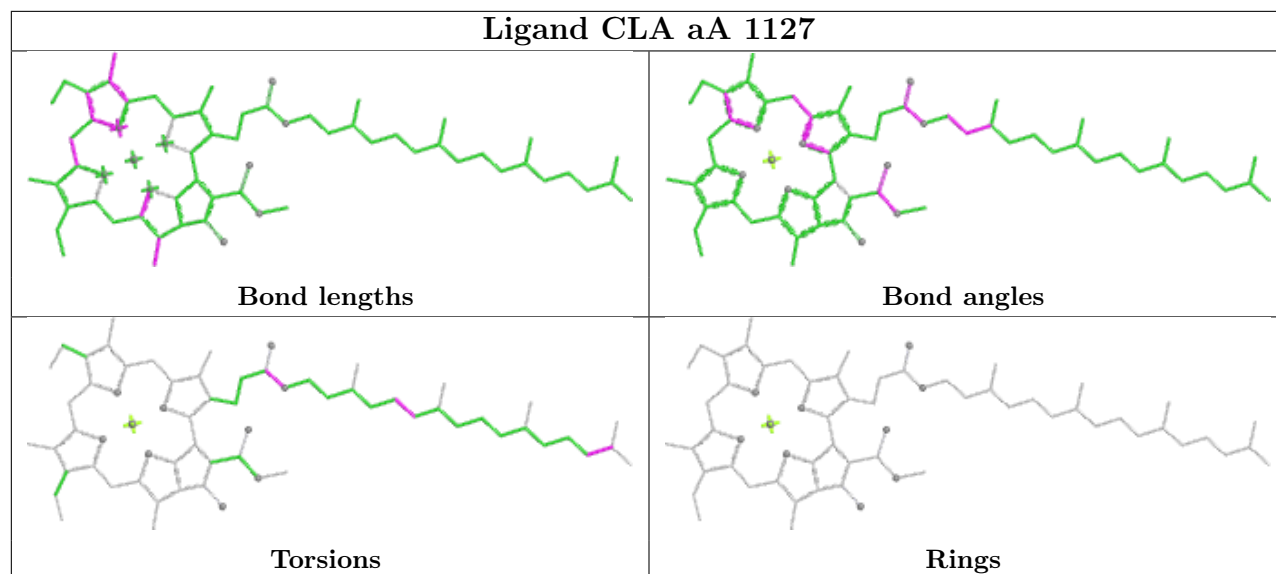
Torsions



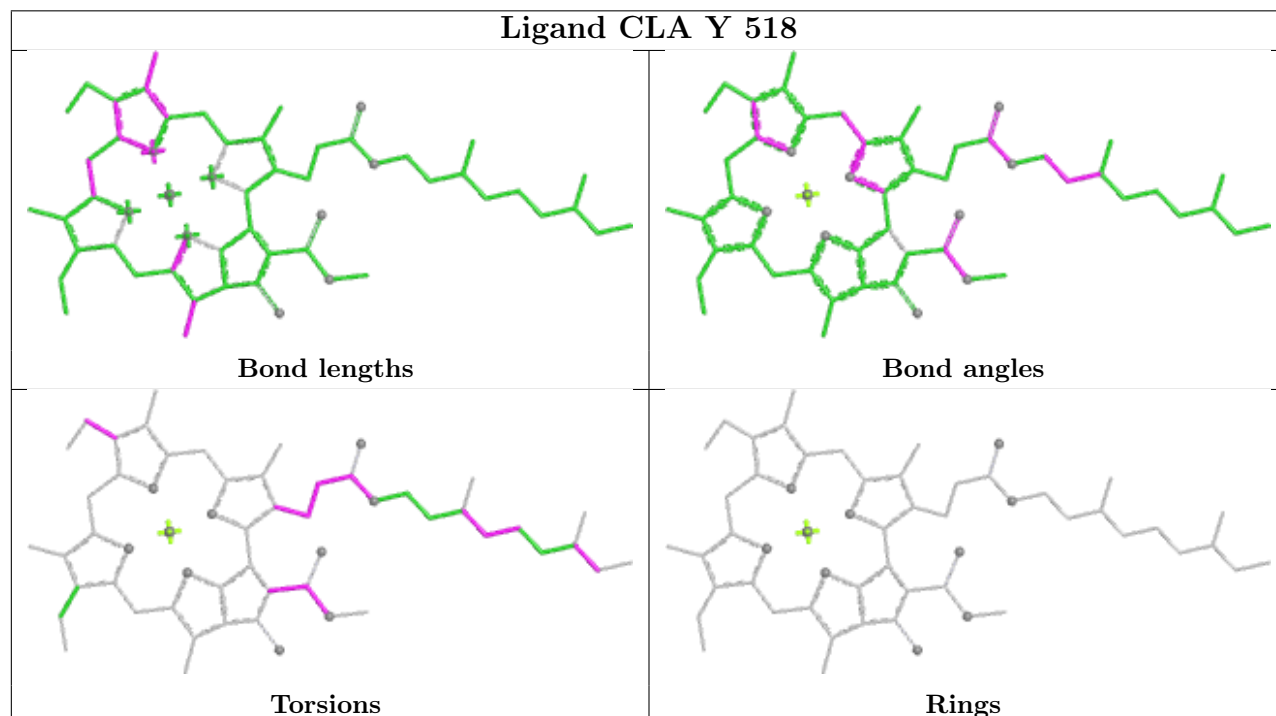
Rings



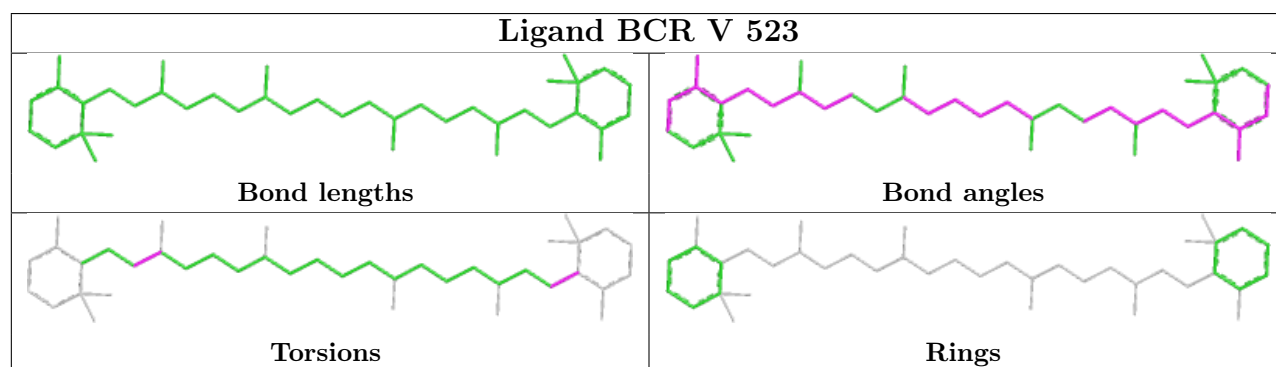
Ligand CLA aA 1127

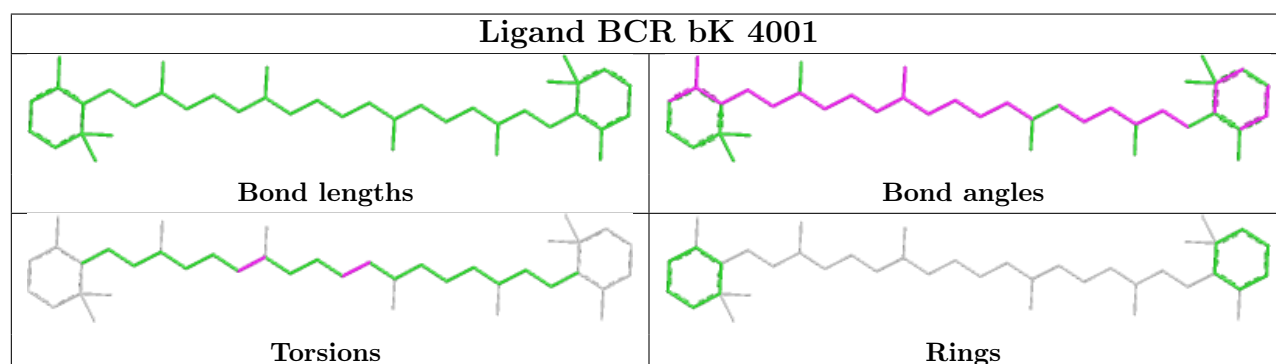
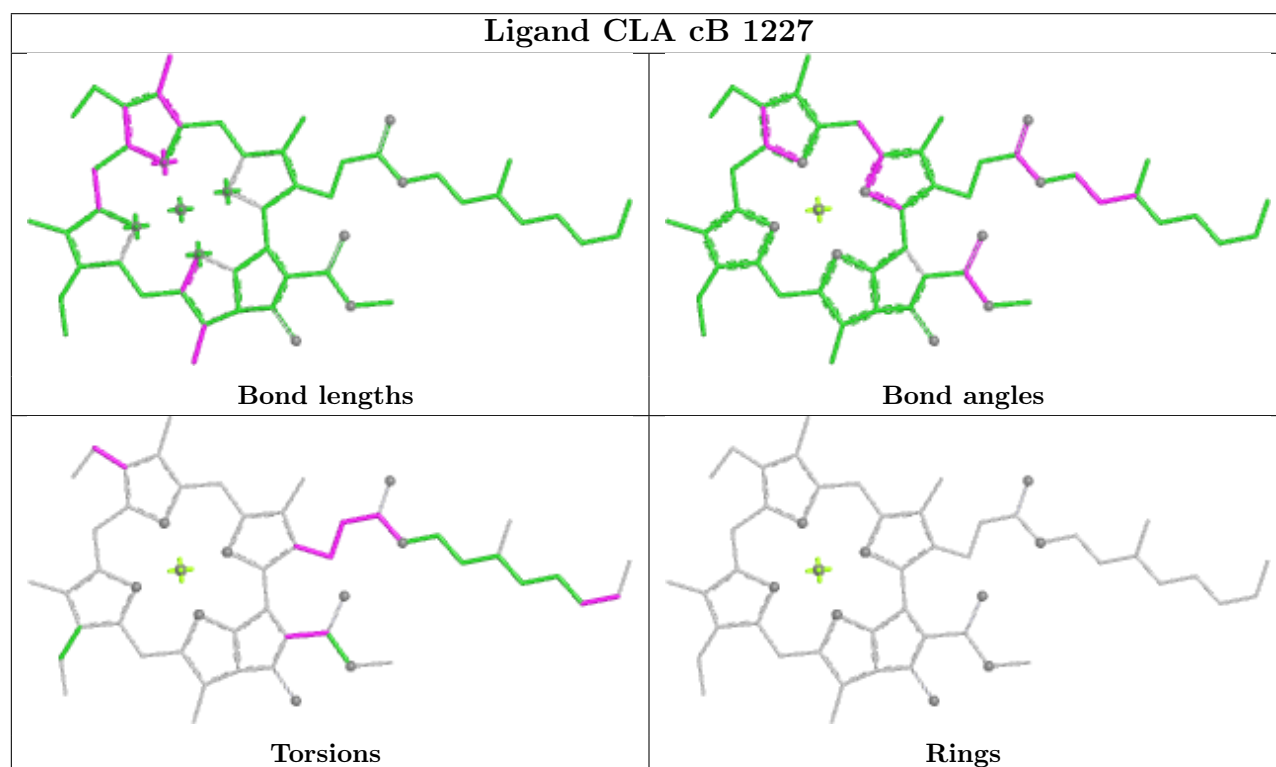
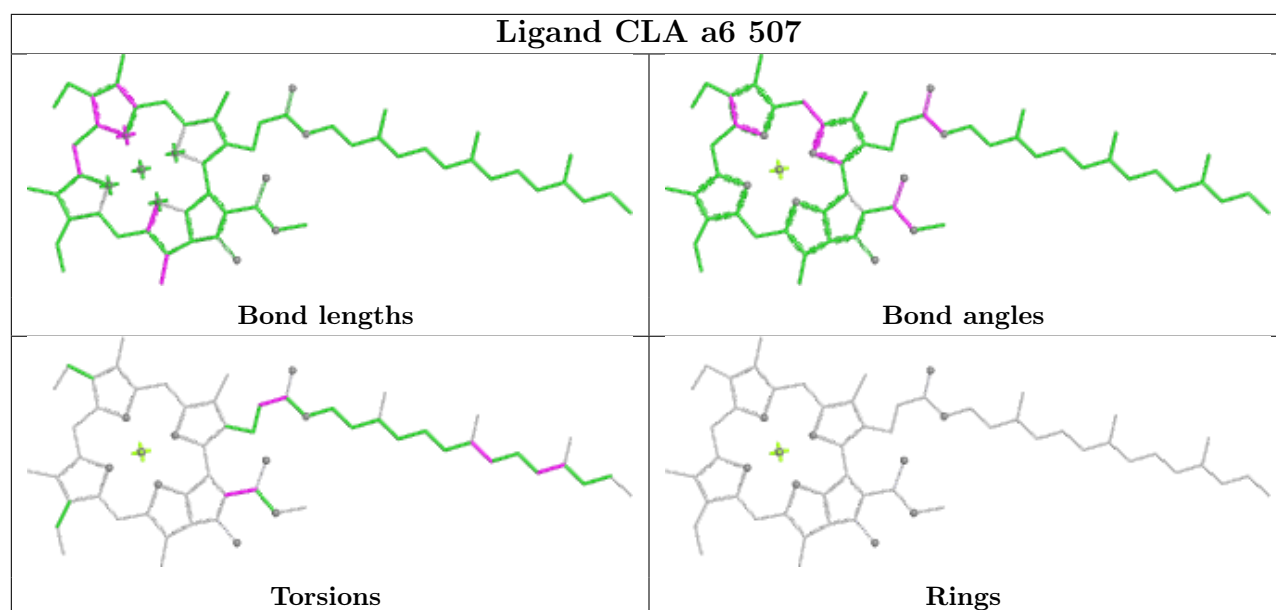


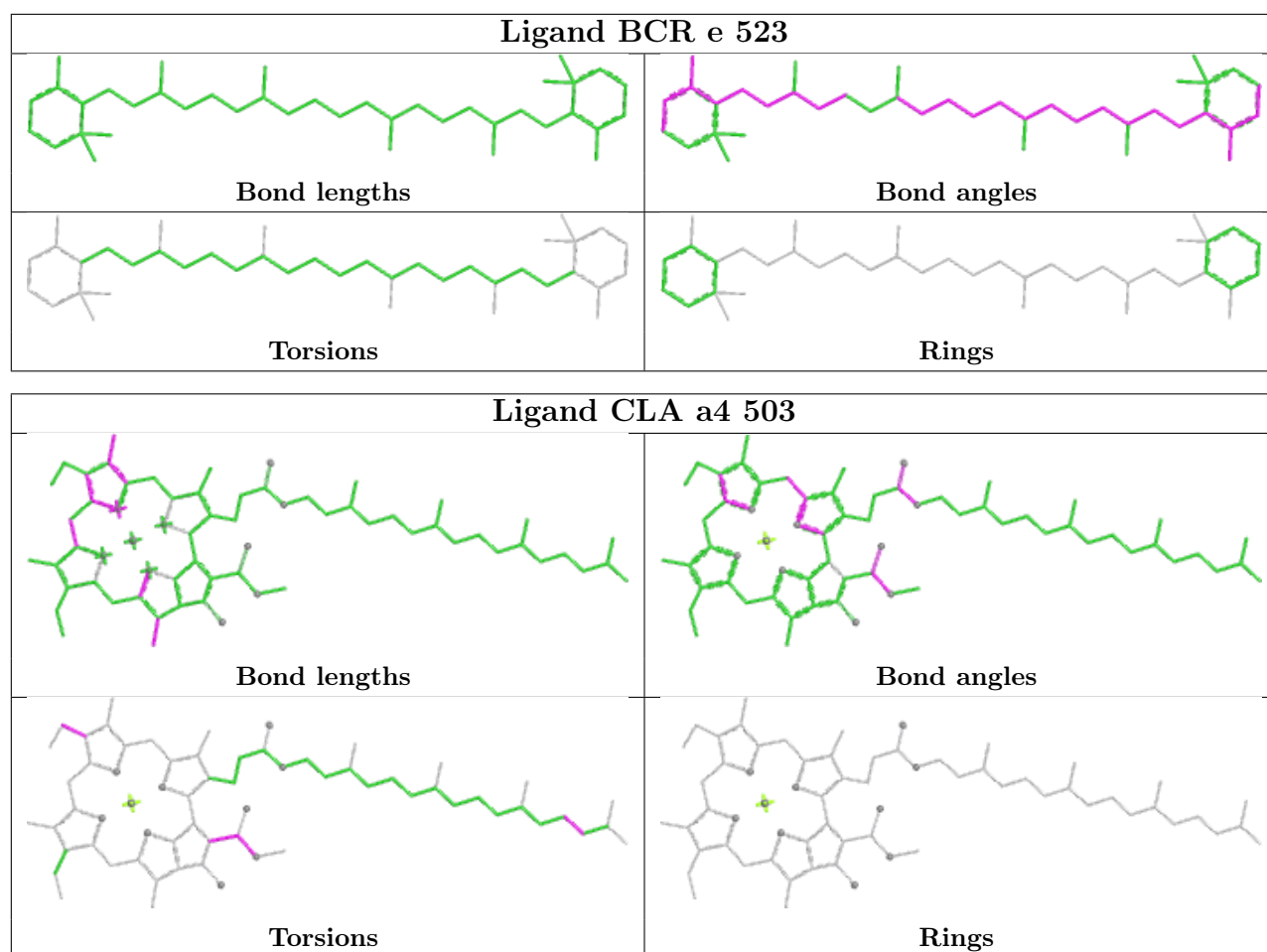
Ligand CLA Y 518



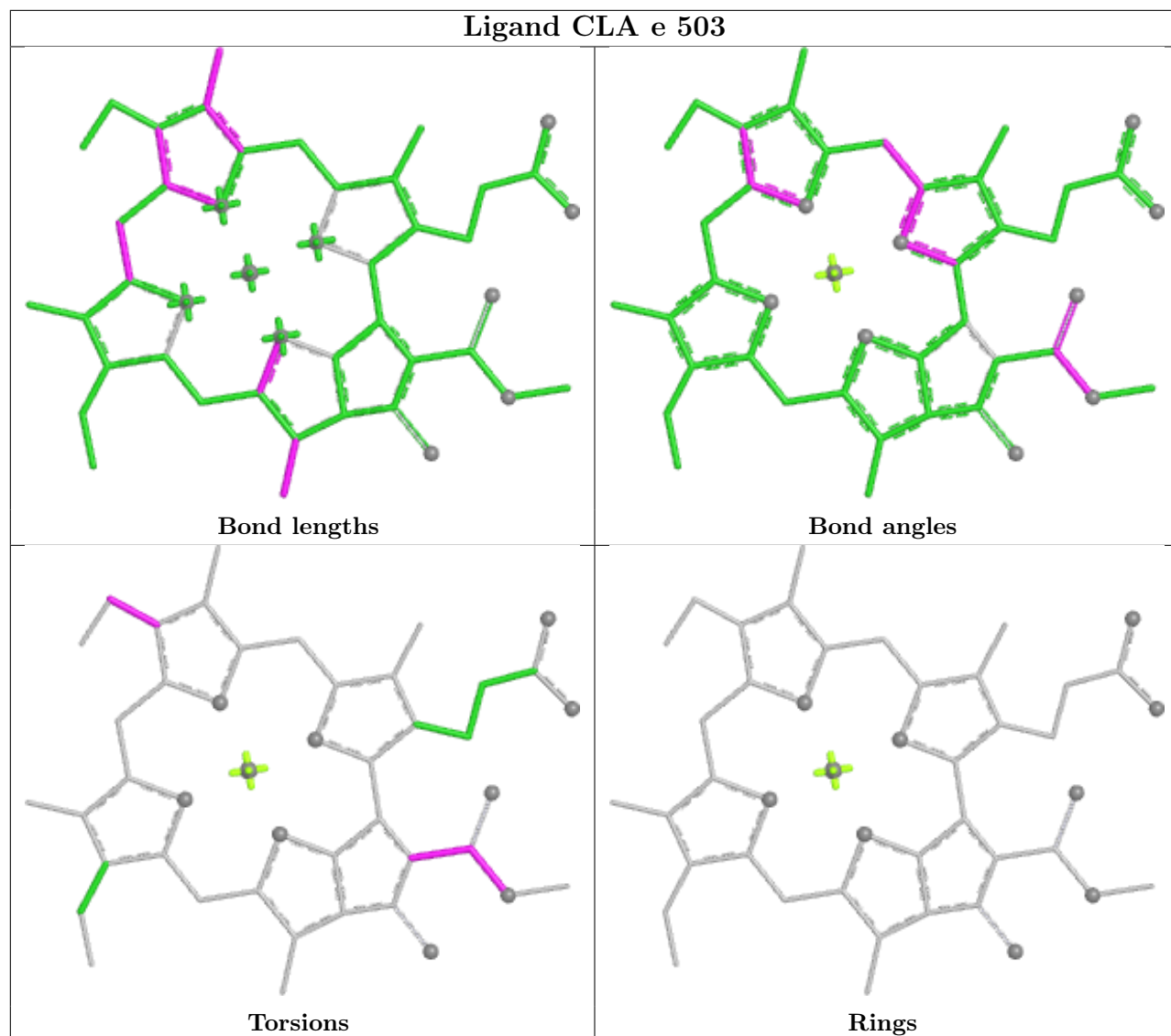
Ligand BCR V 523

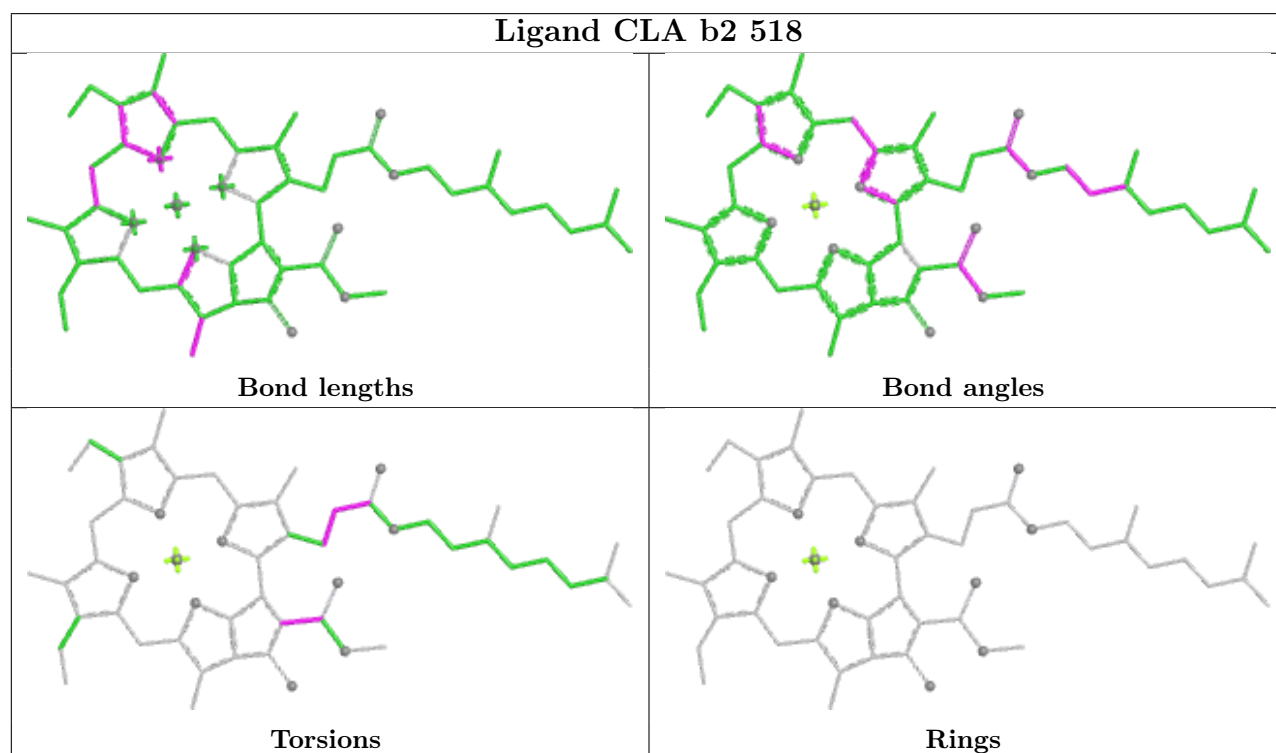
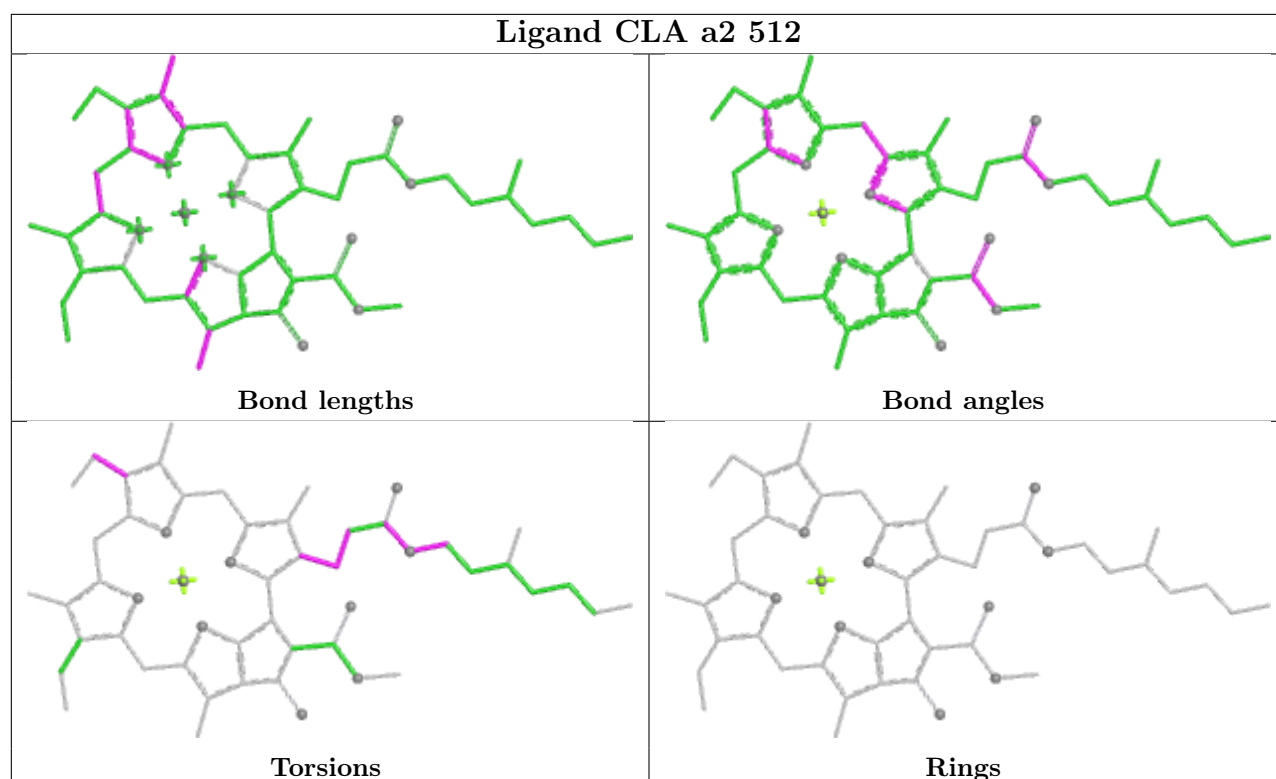




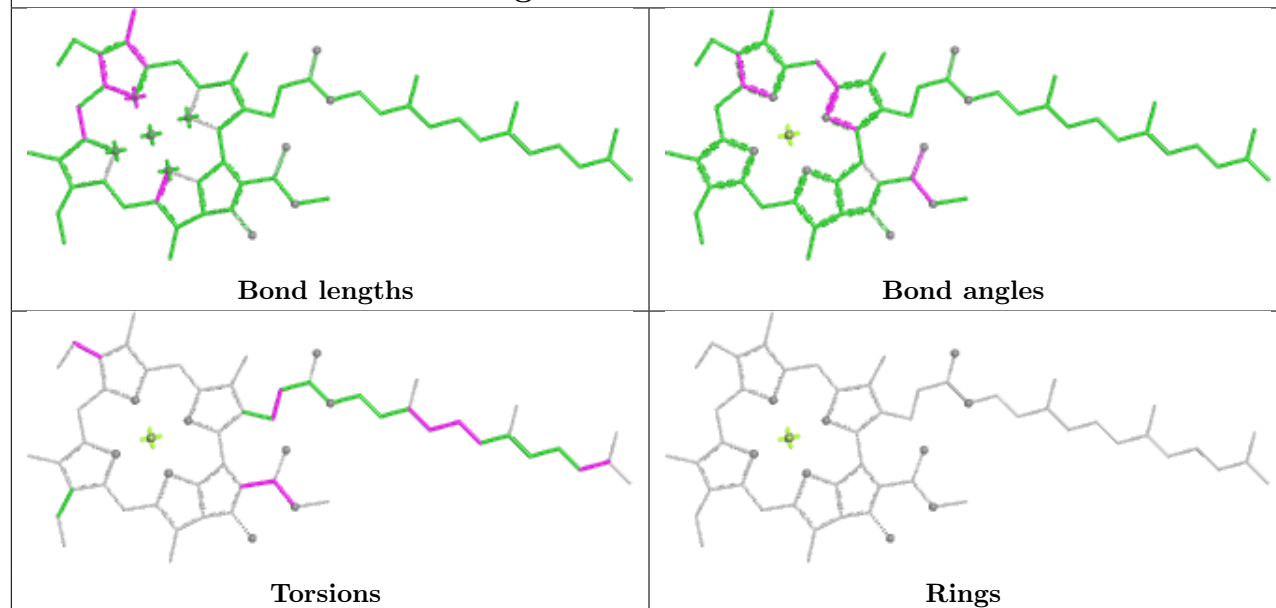


Ligand CLA e 503

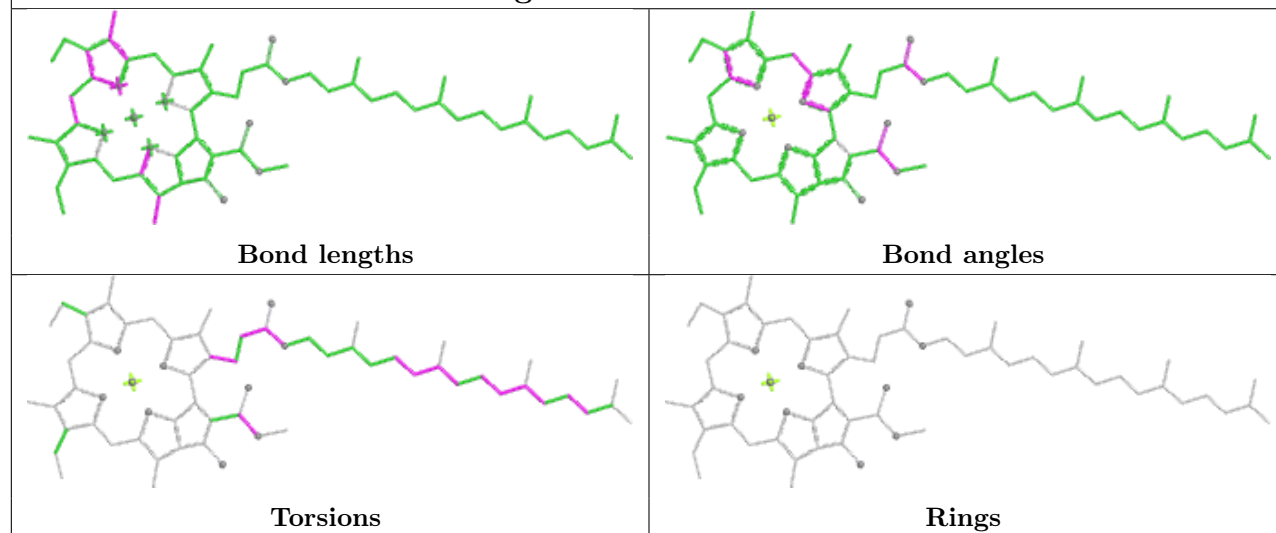




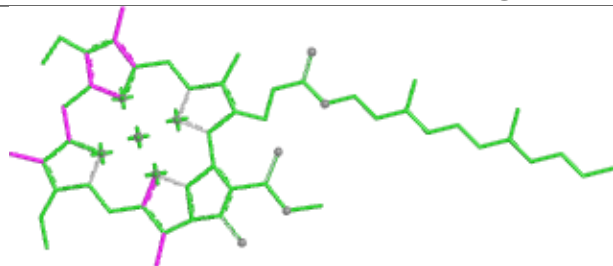
Ligand CLA aB 1218



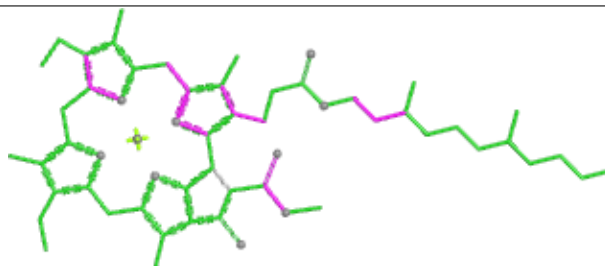
Ligand CLA aB 1210



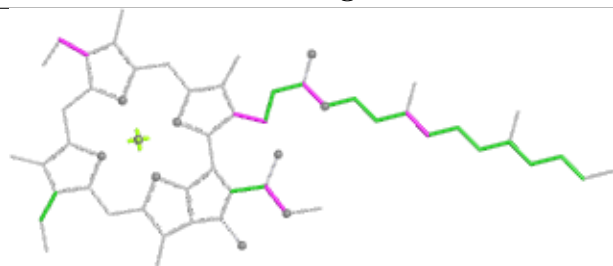
Ligand CLA bB 1230



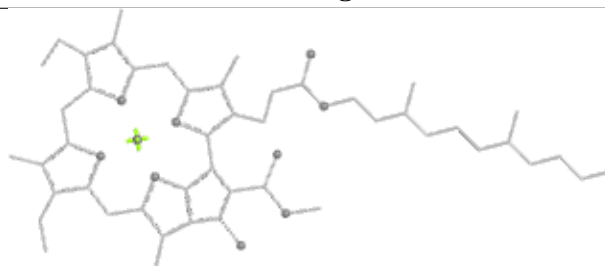
Bond lengths



Bond angles

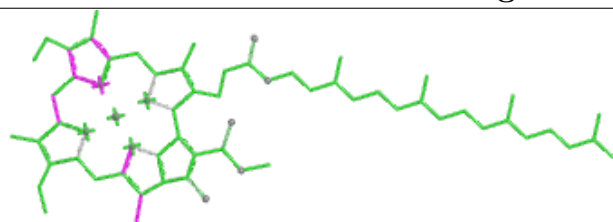


Torsions

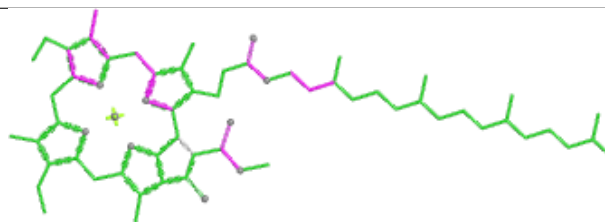


Rings

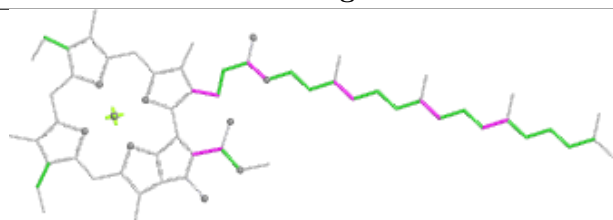
Ligand CLA bL 1501



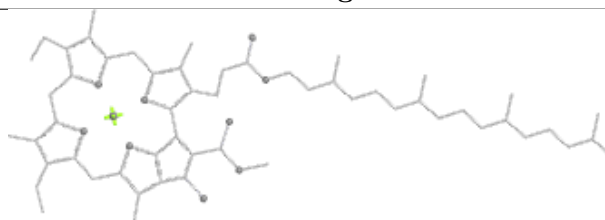
Bond lengths



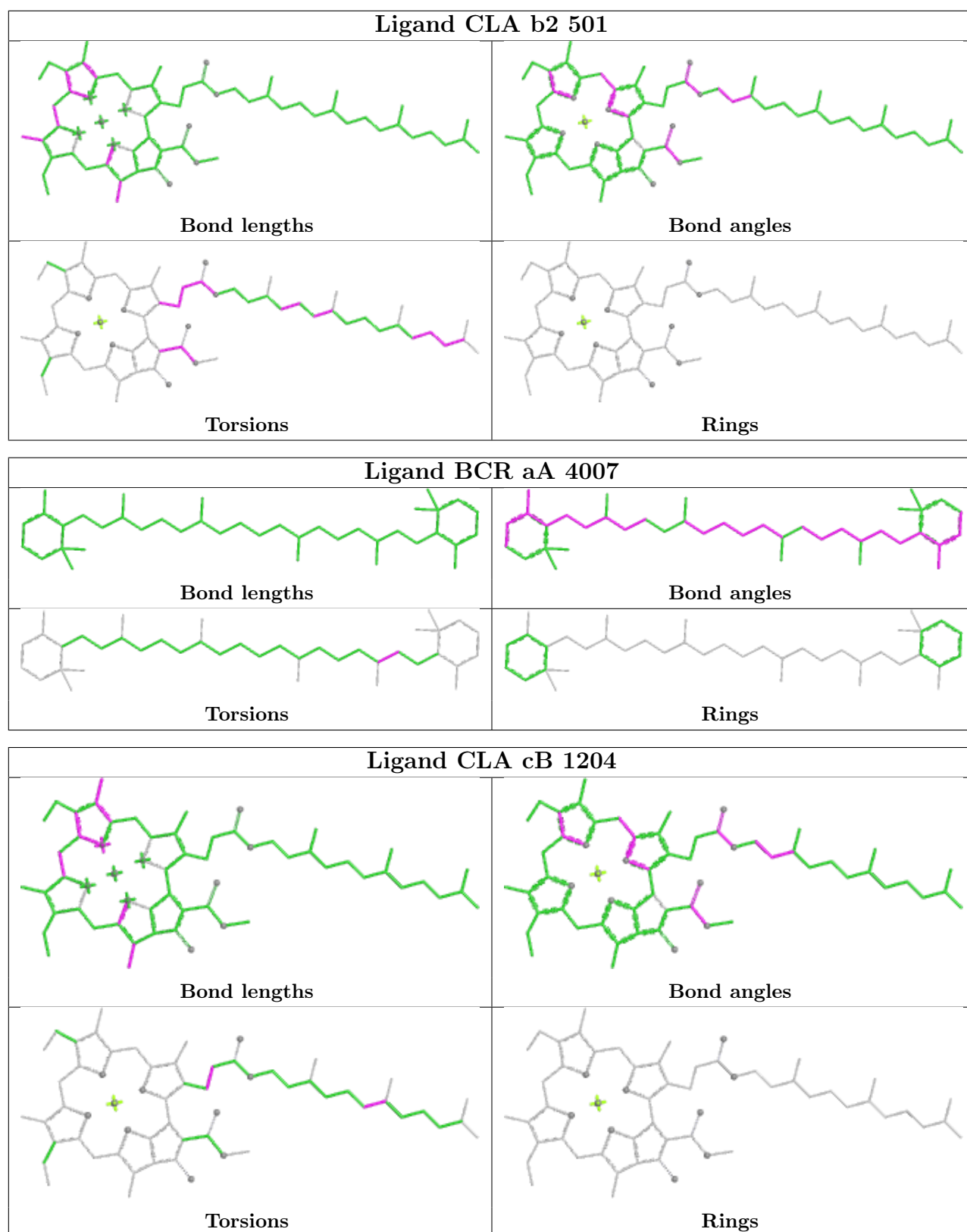
Bond angles

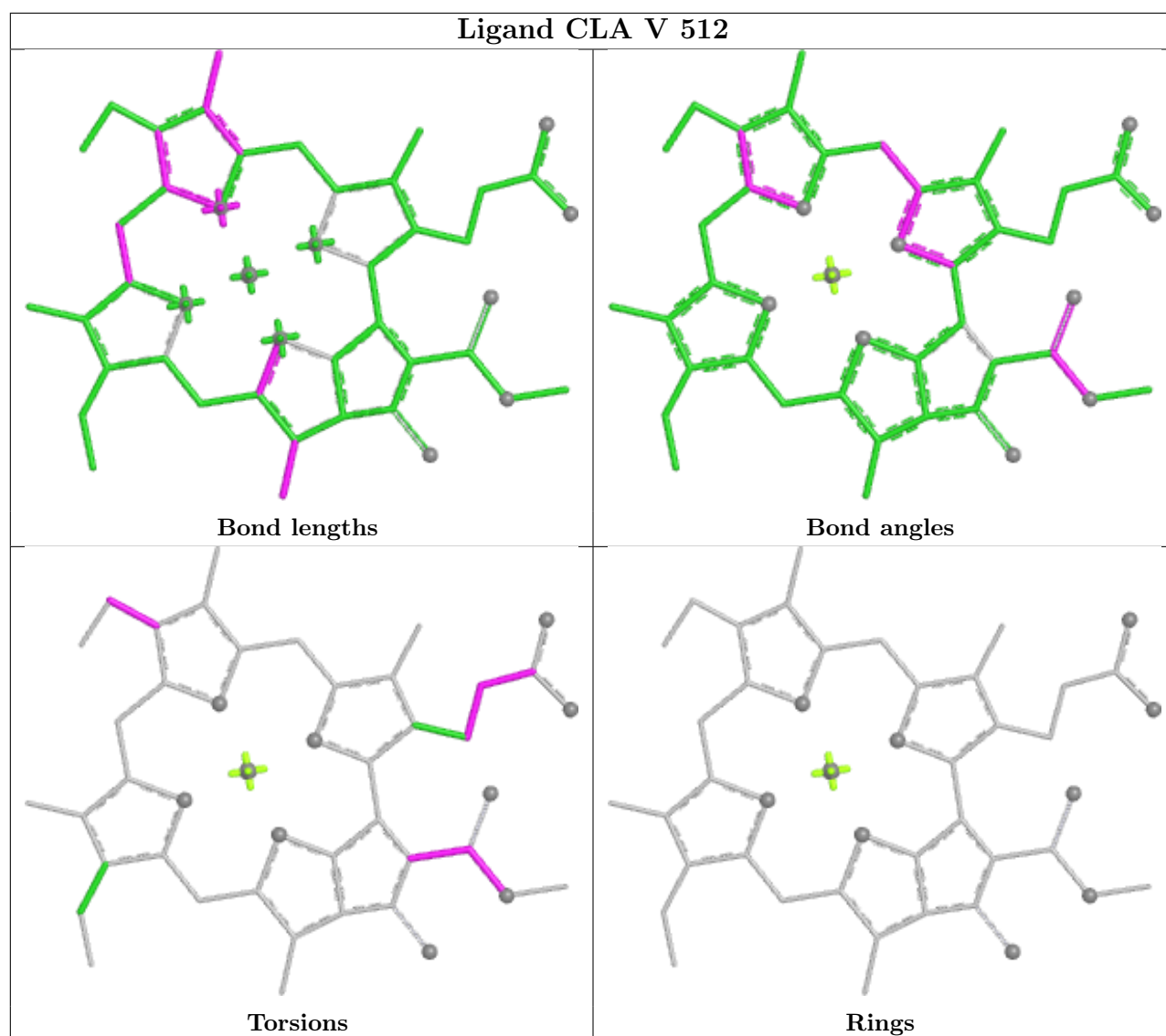


Torsions

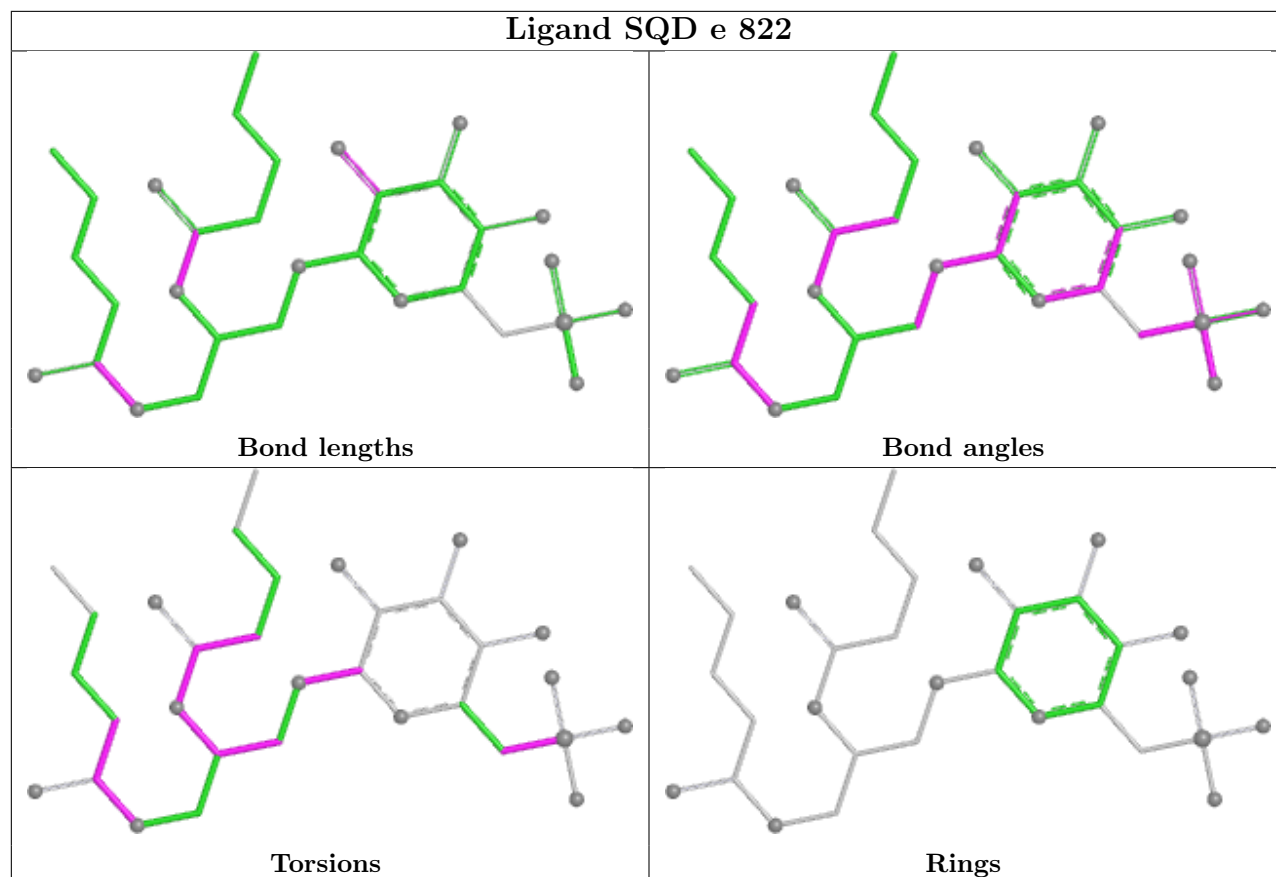


Rings

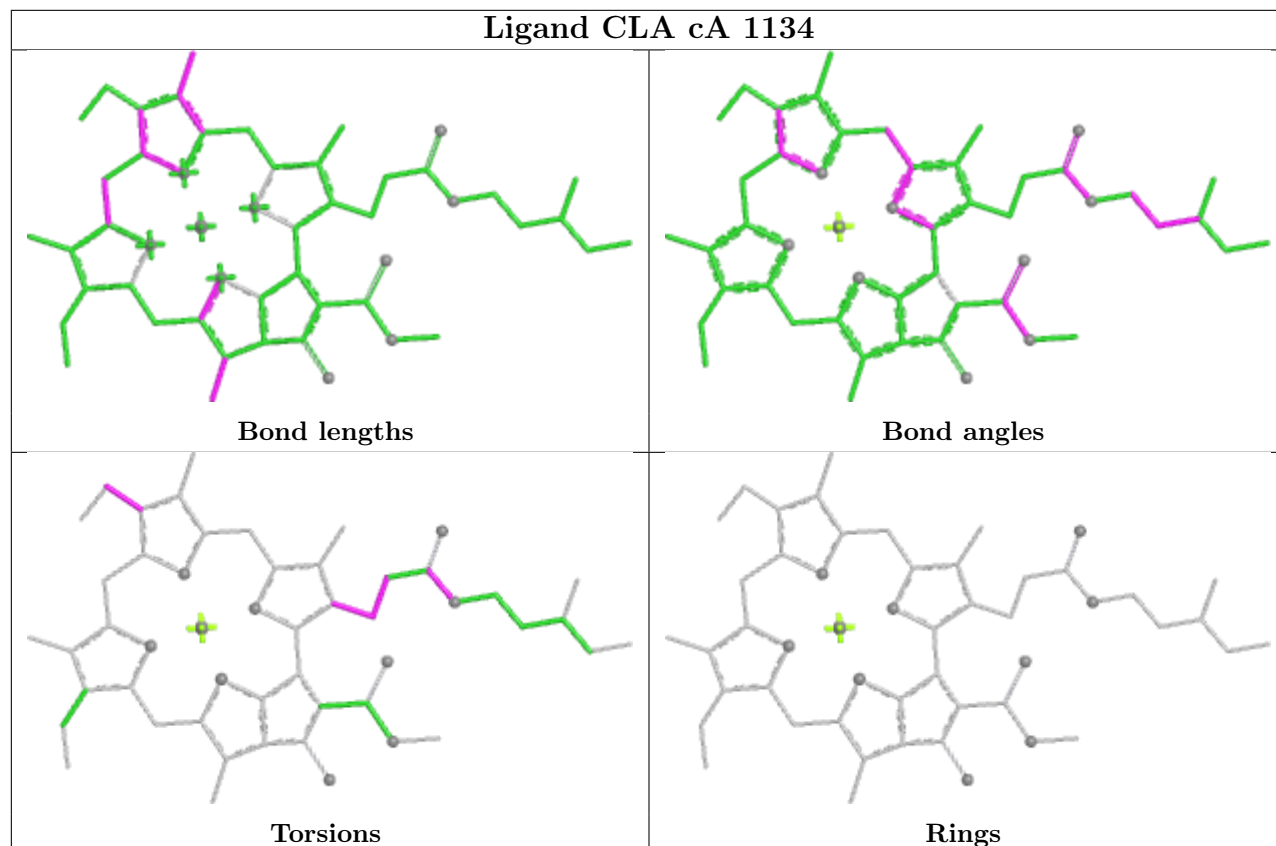




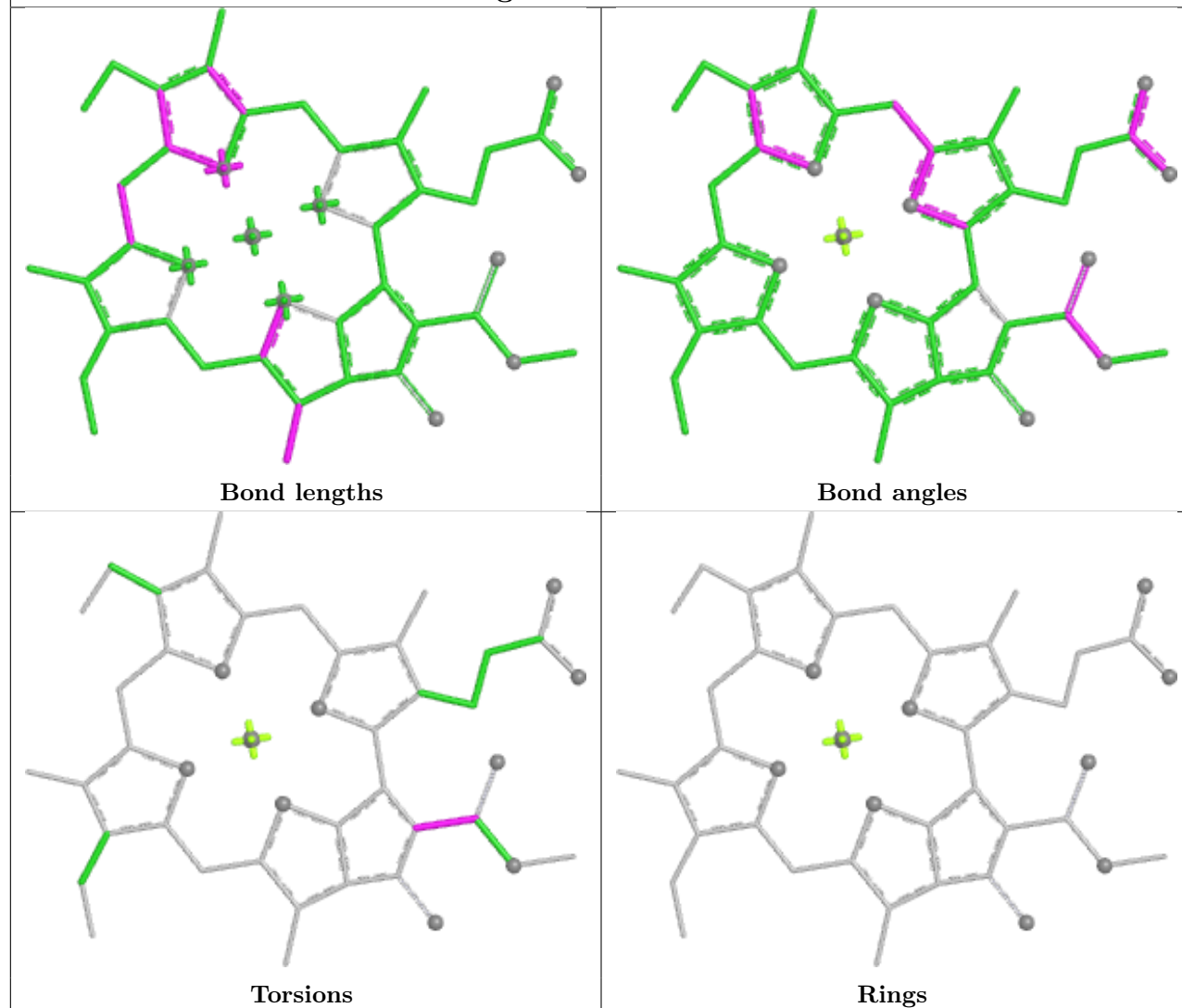
Ligand SQD e 822



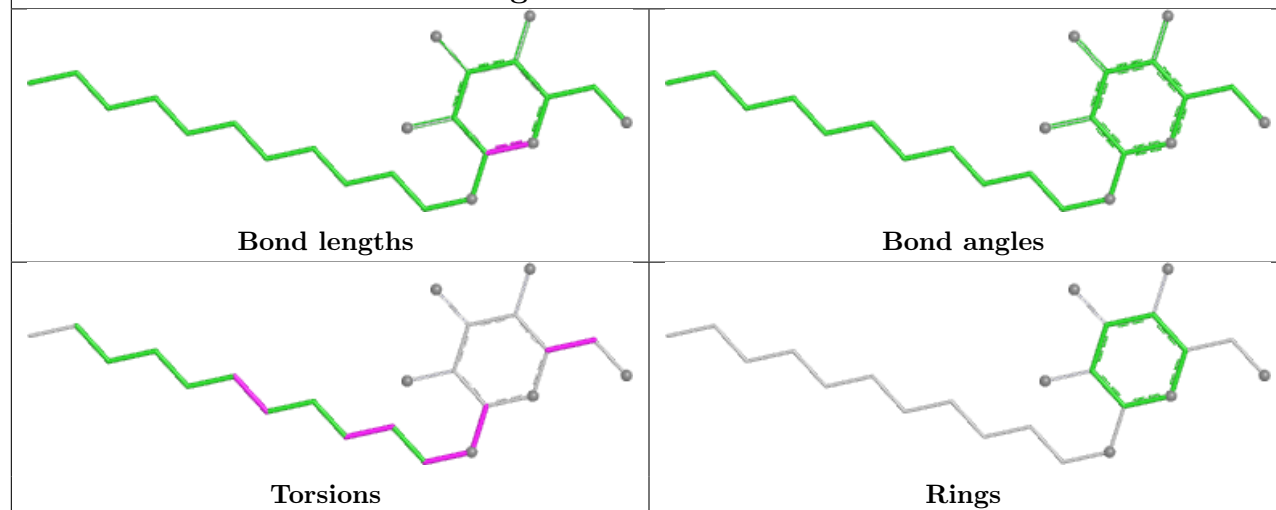
Ligand CLA cA 1134



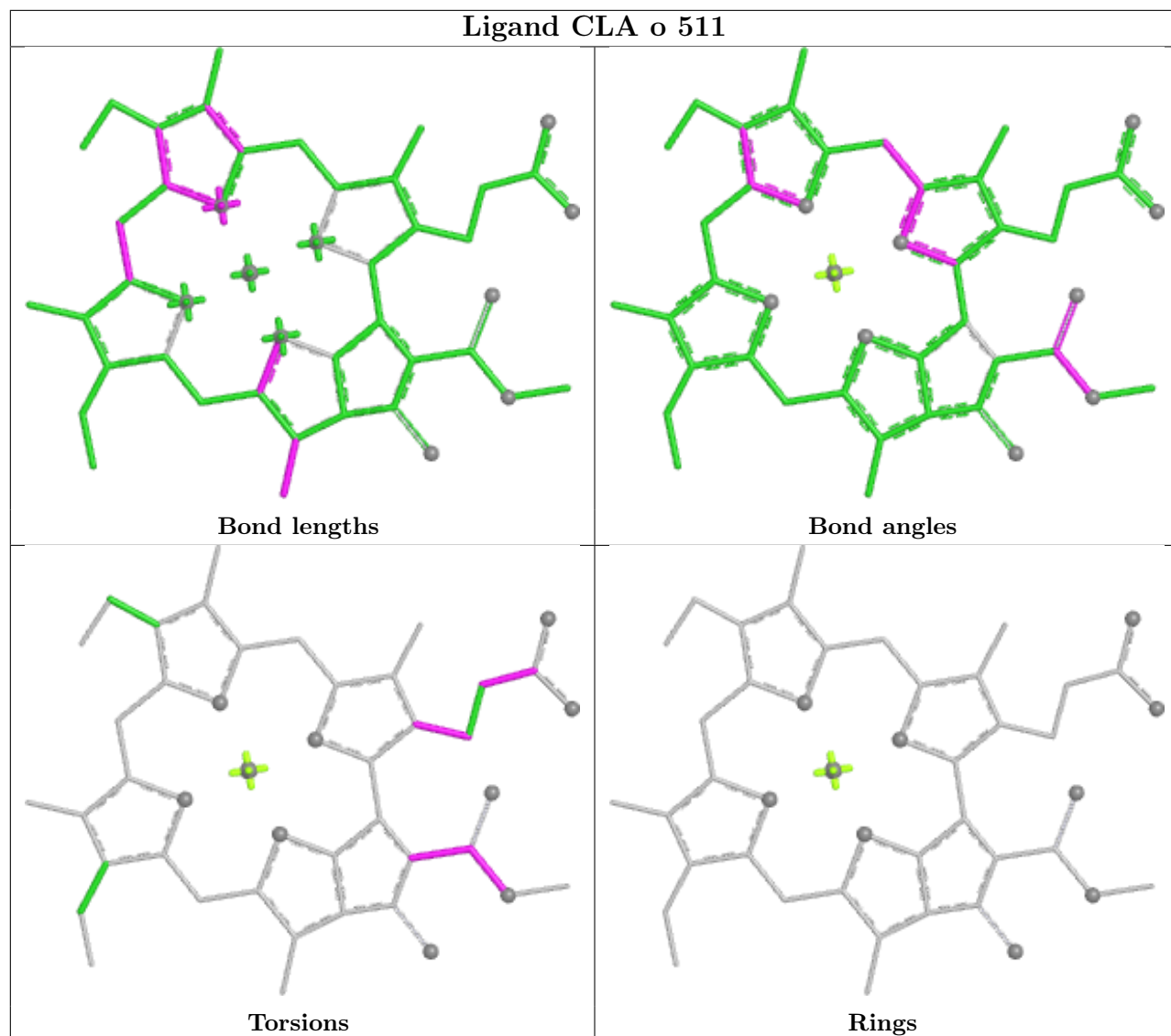
Ligand CLA o 509



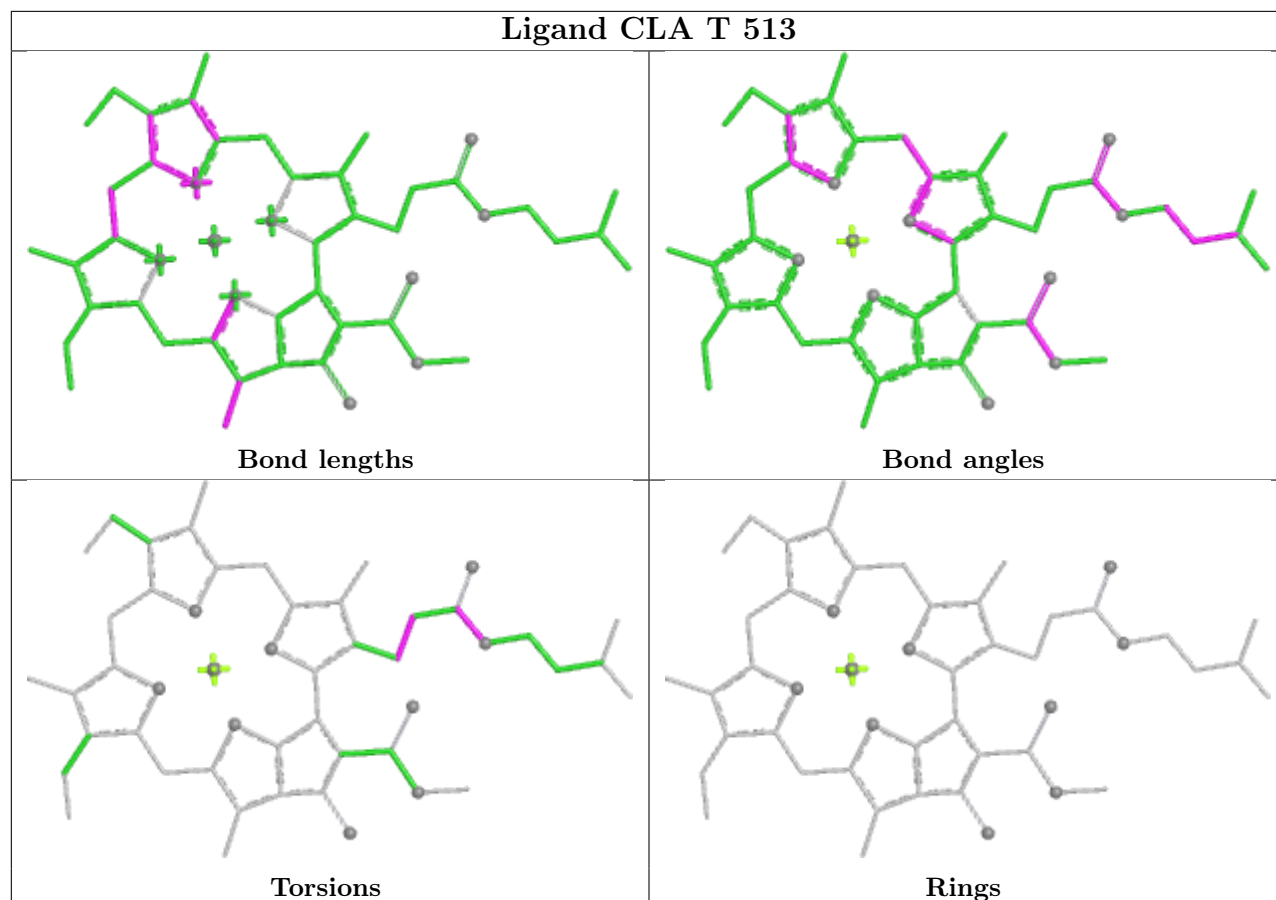
Ligand LMU cA 1849



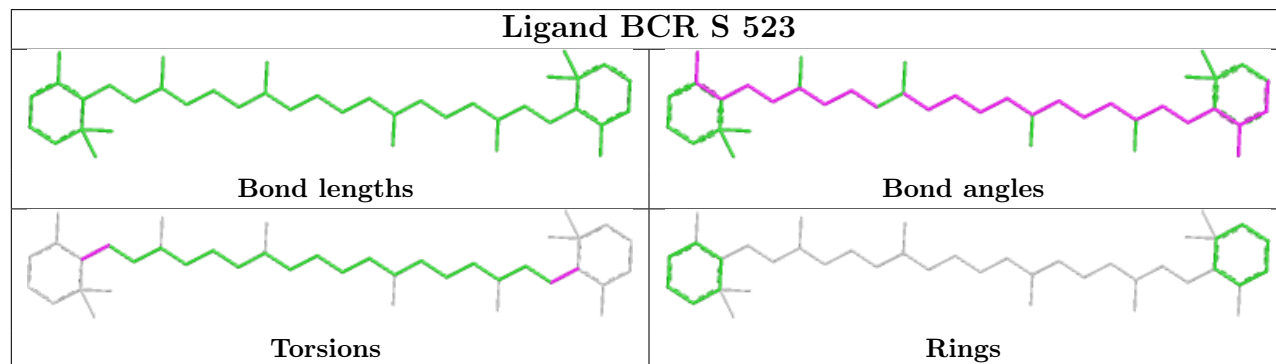
Ligand CLA o 511

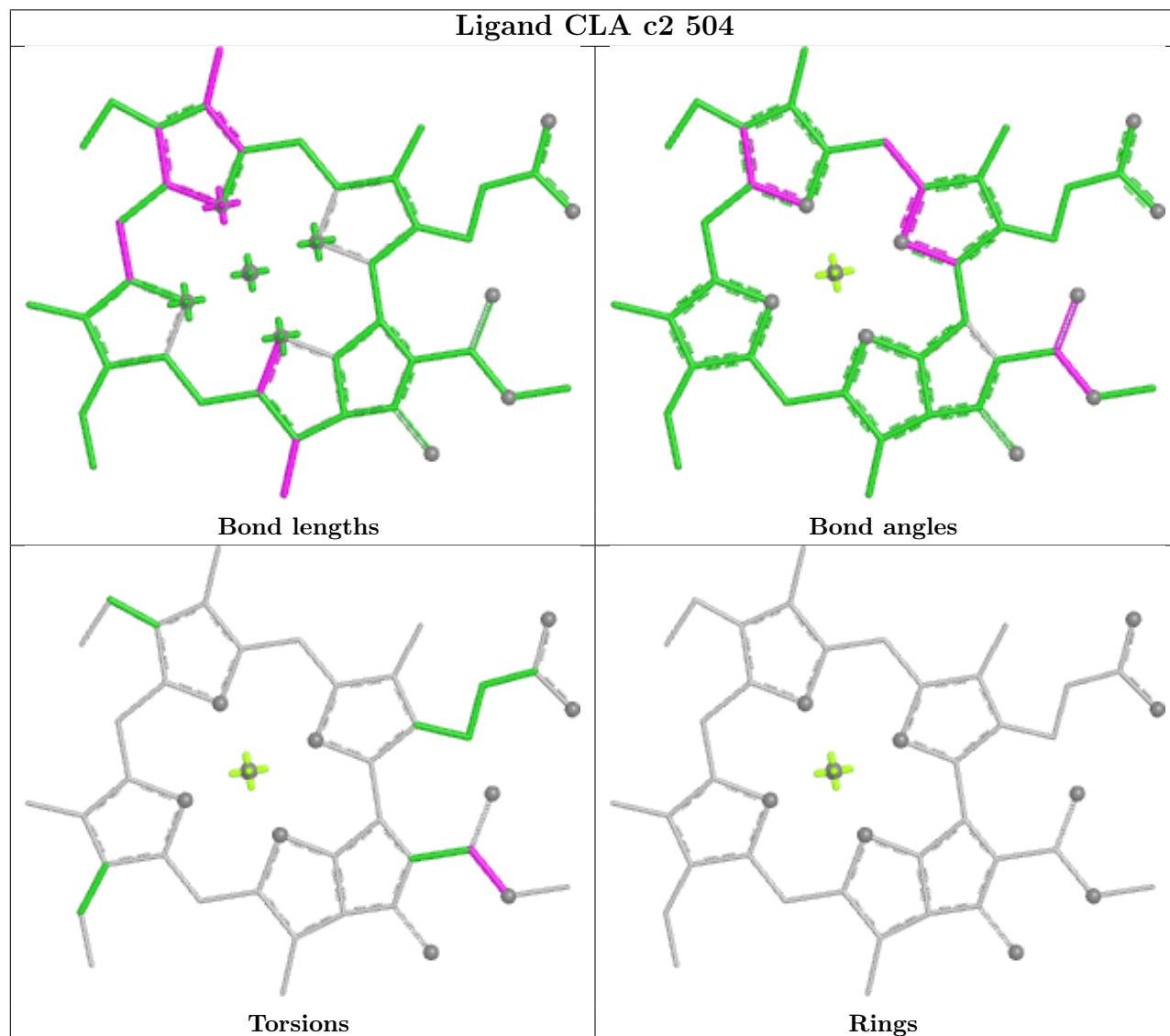
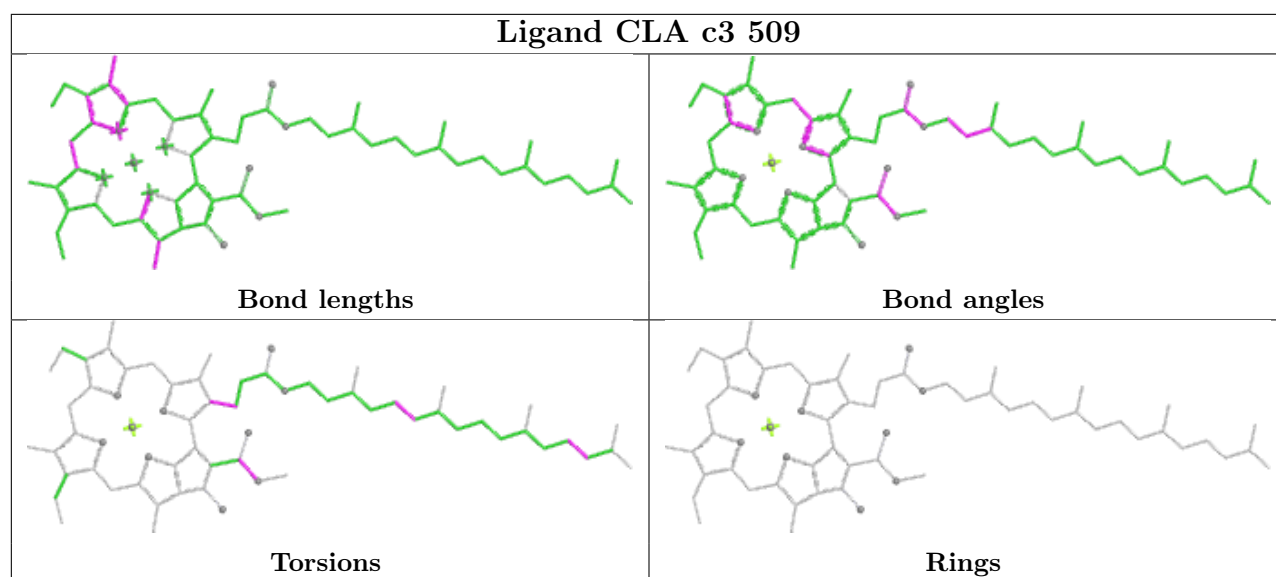


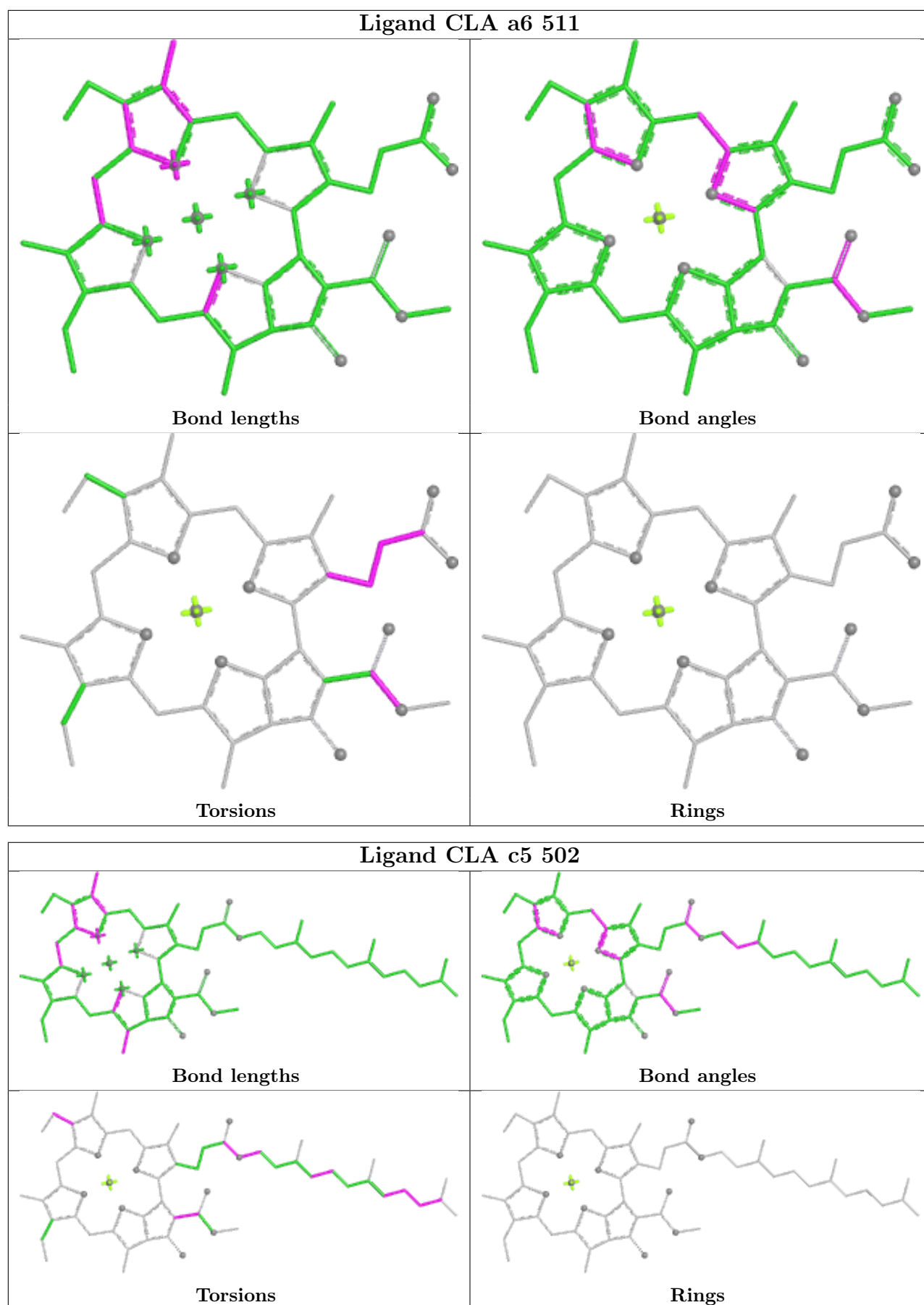
Ligand CLA T 513

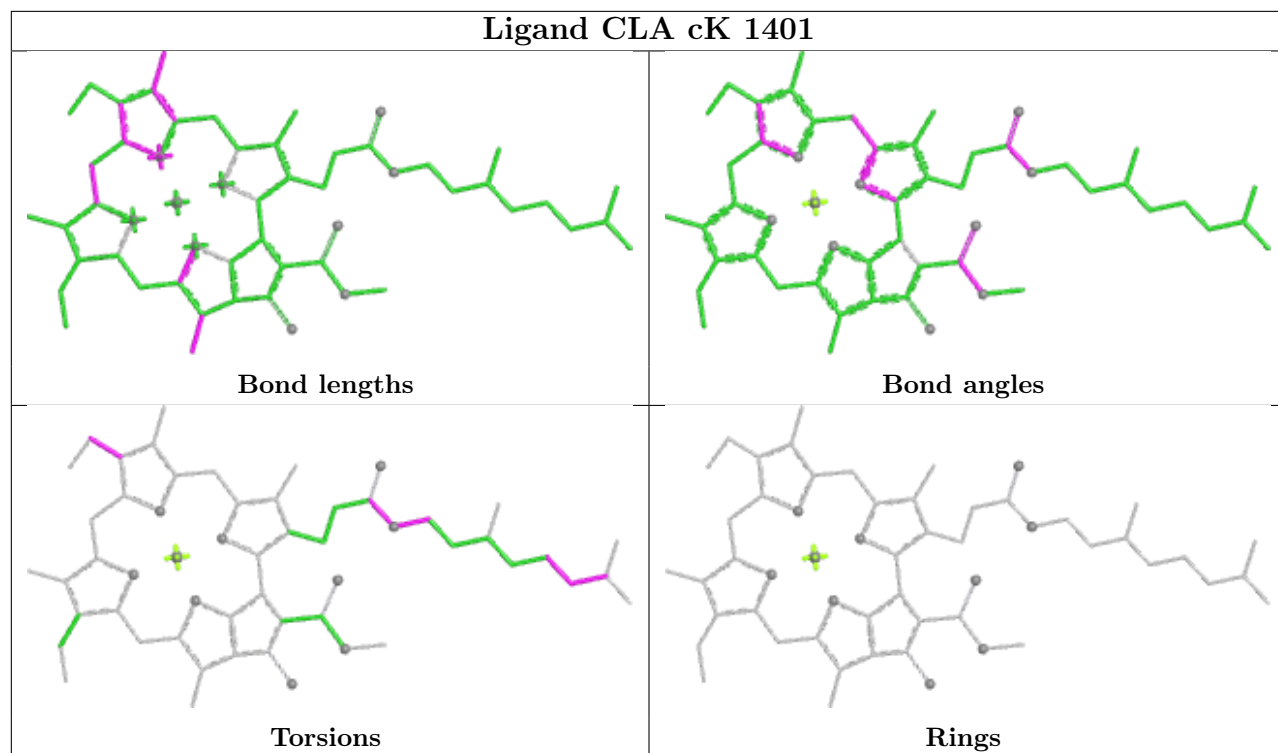


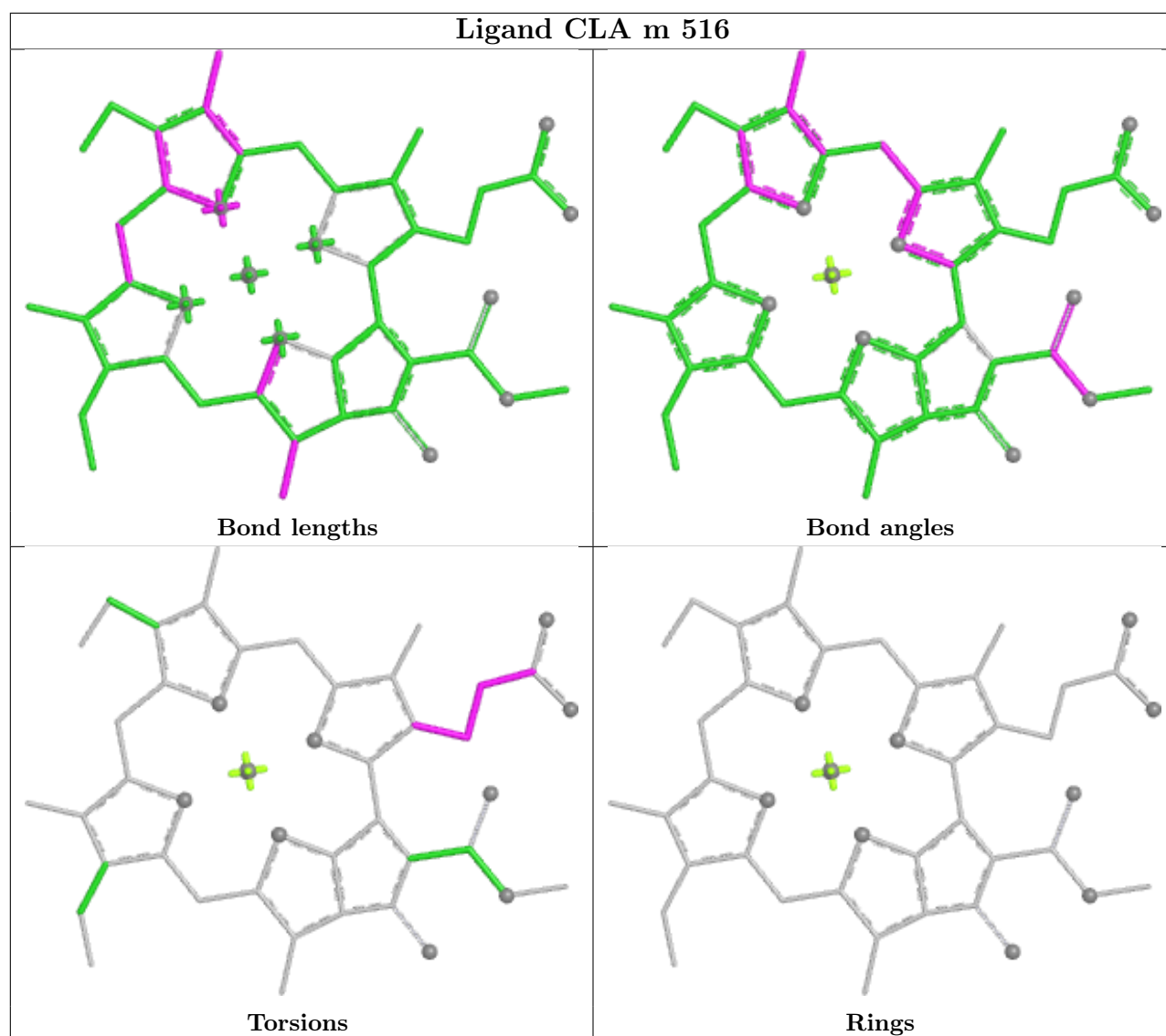
Ligand BCR S 523



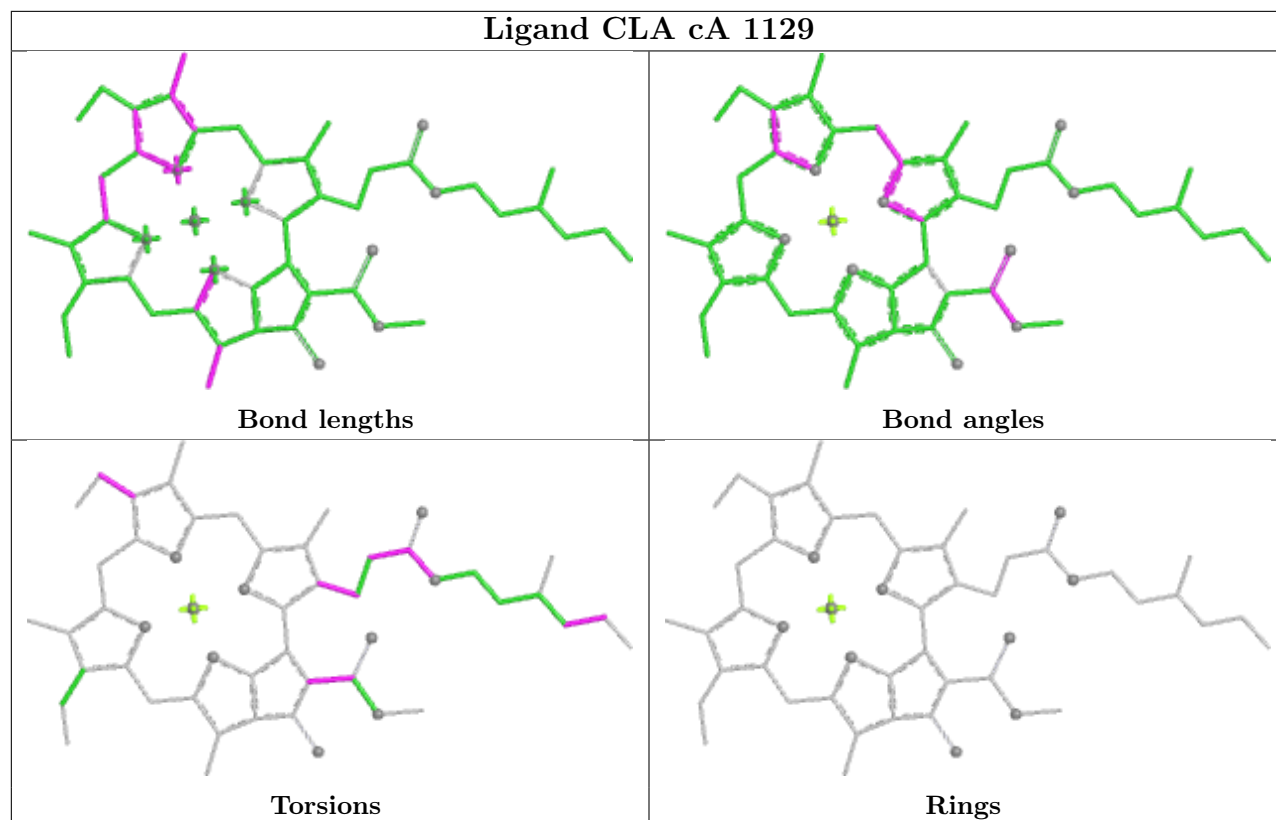




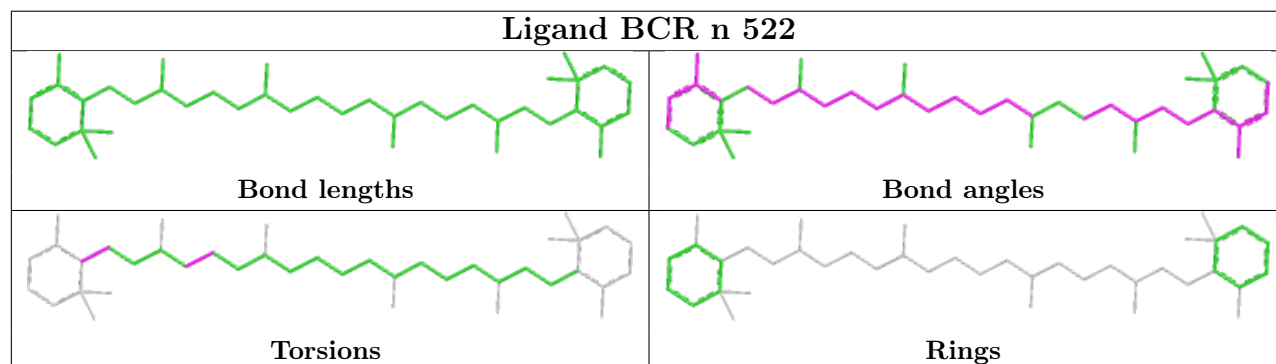




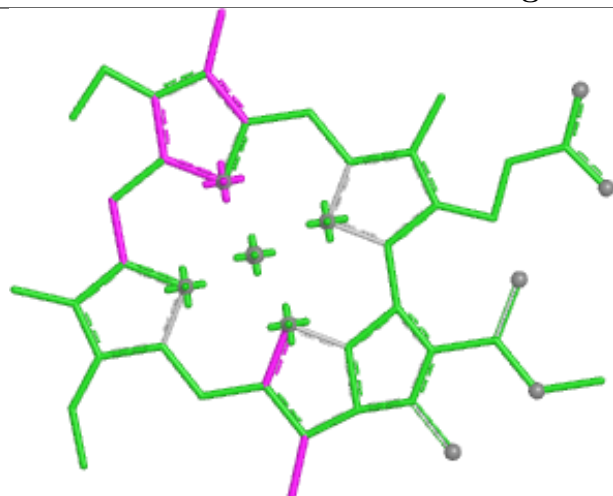
Ligand CLA cA 1129



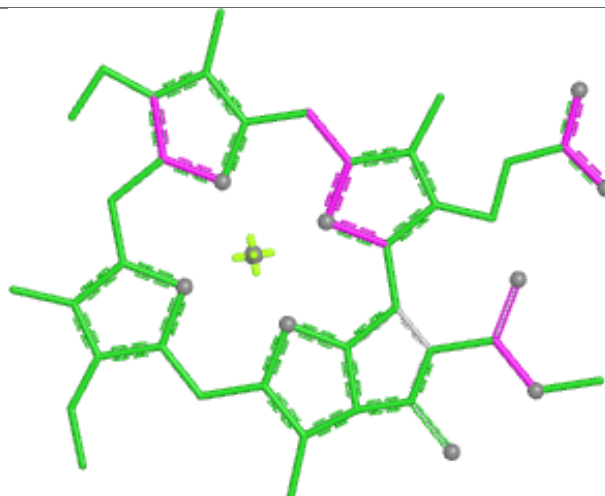
Ligand BCR n 522



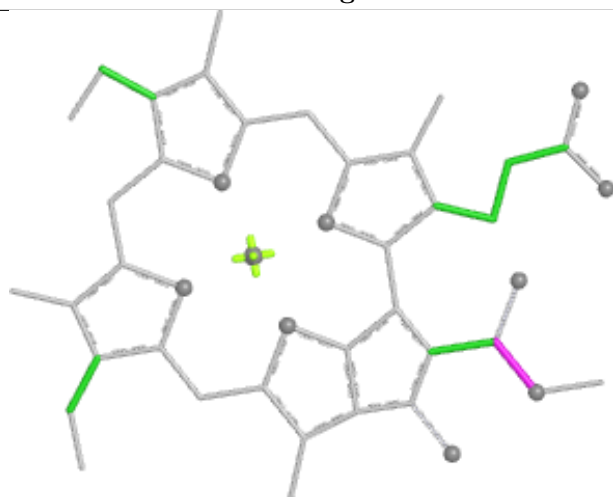
Ligand CLA f 509



Bond lengths



Bond angles

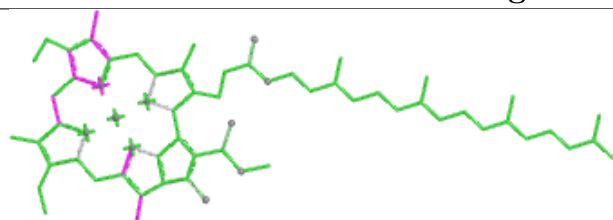


Torsions

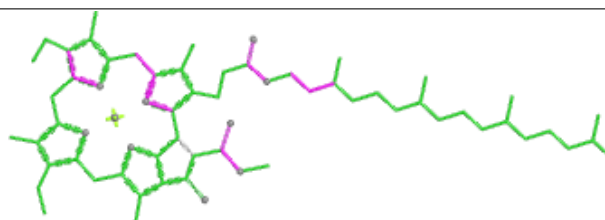


Rings

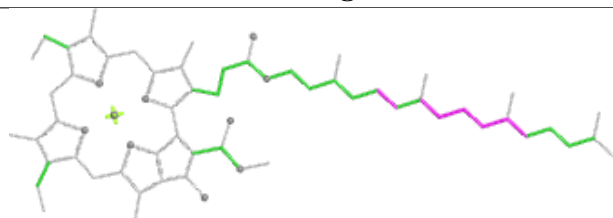
Ligand CLA b4 509



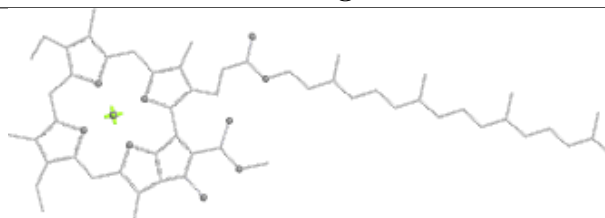
Bond lengths



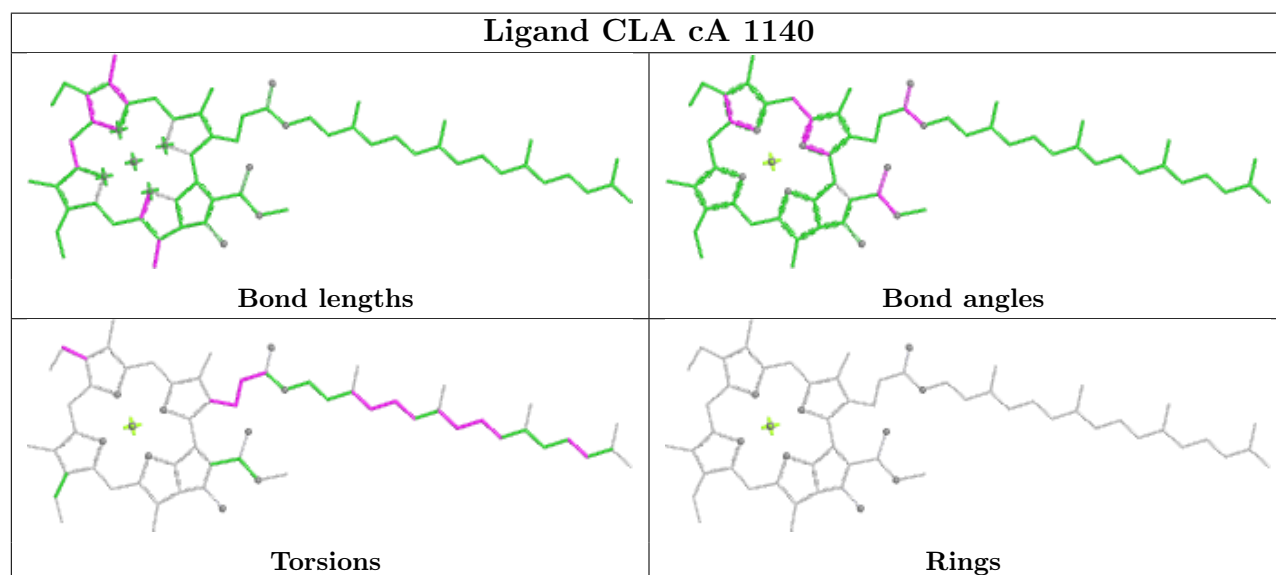
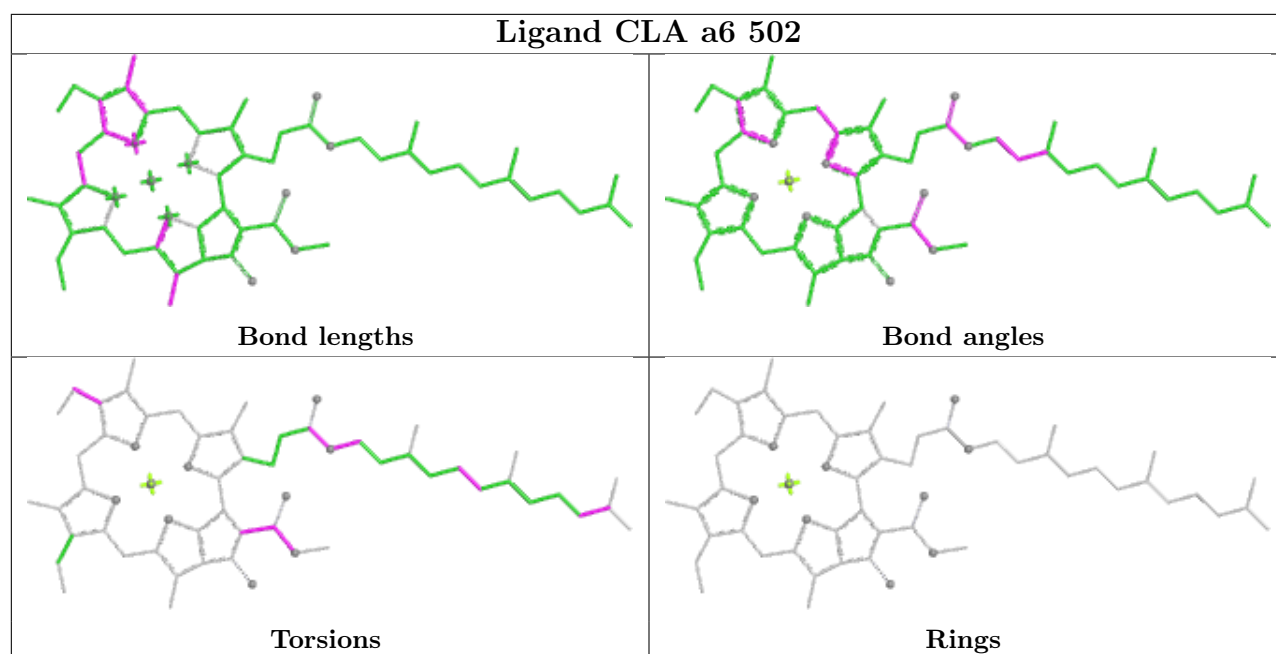
Bond angles



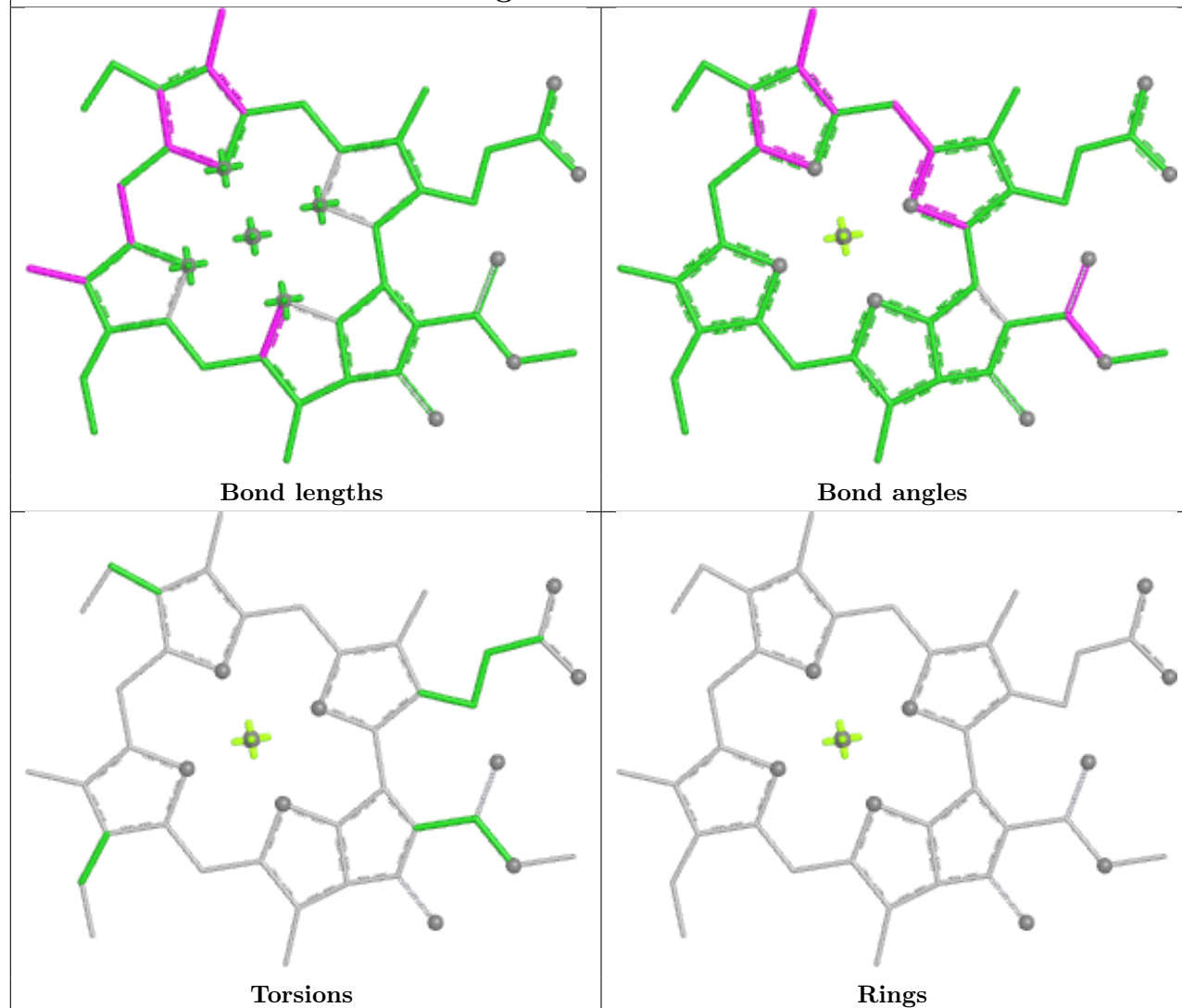
Torsions



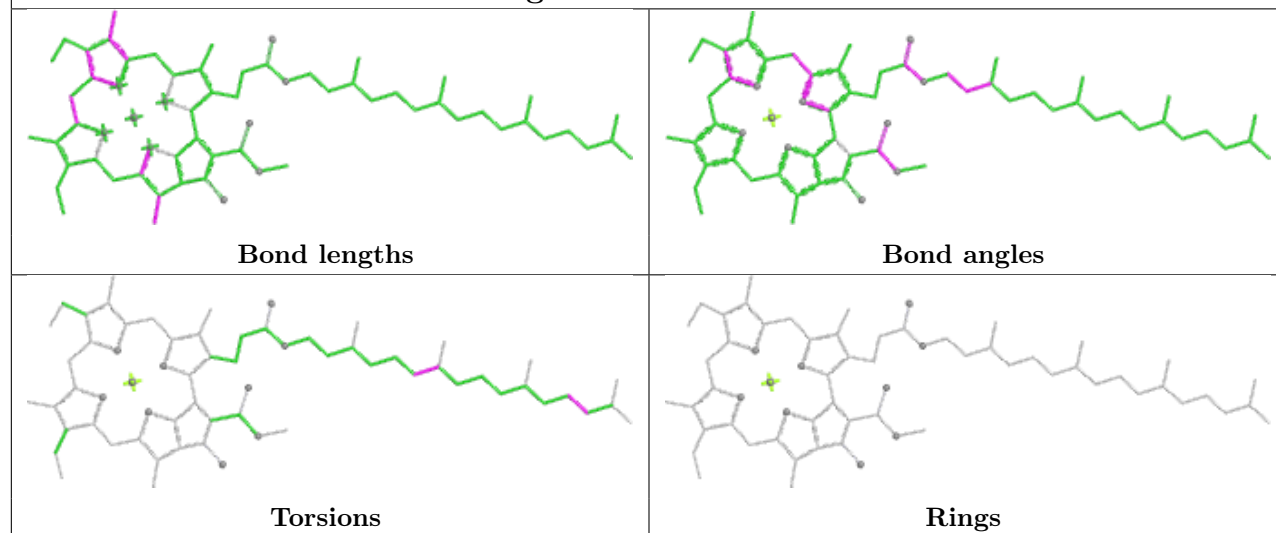
Rings

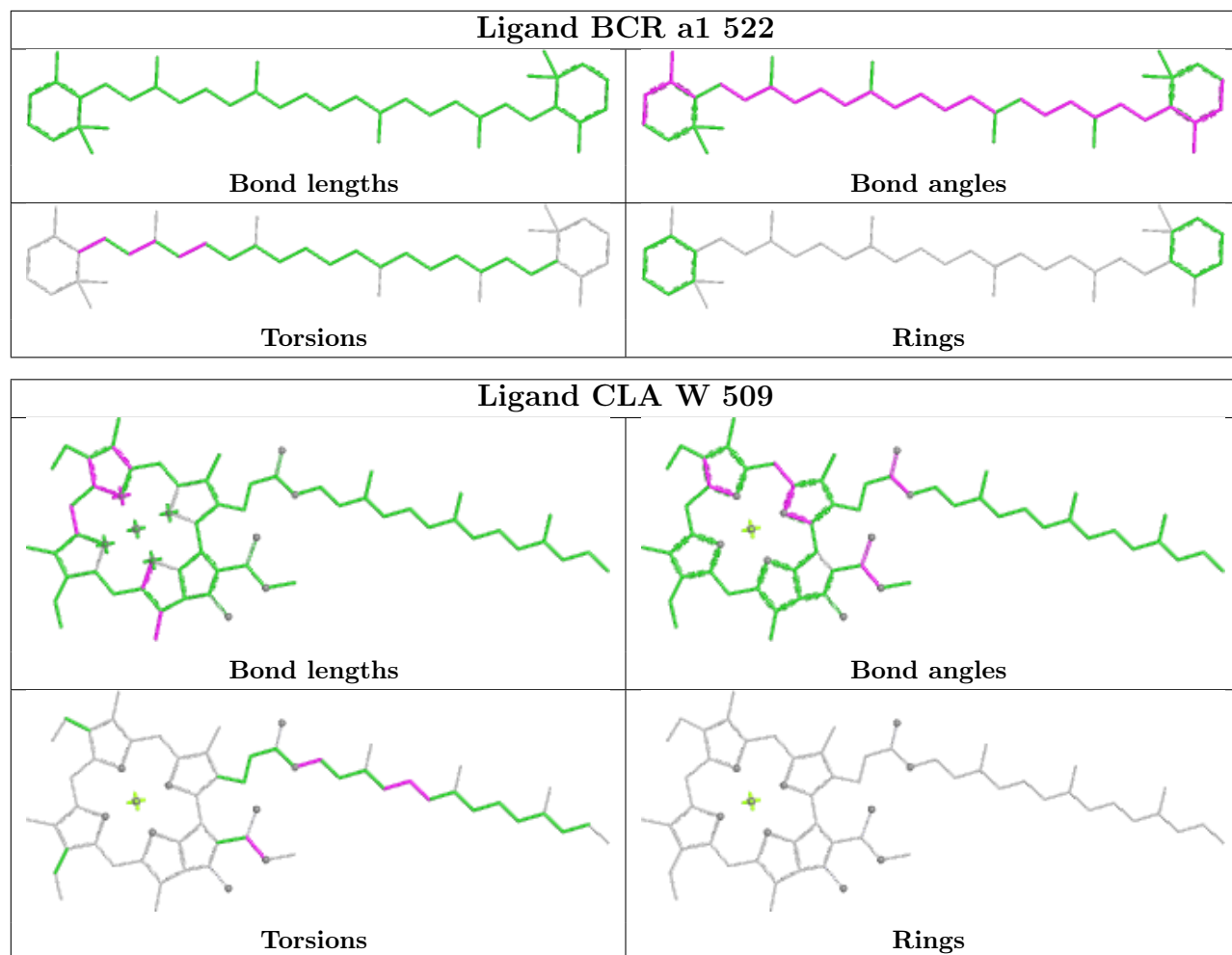


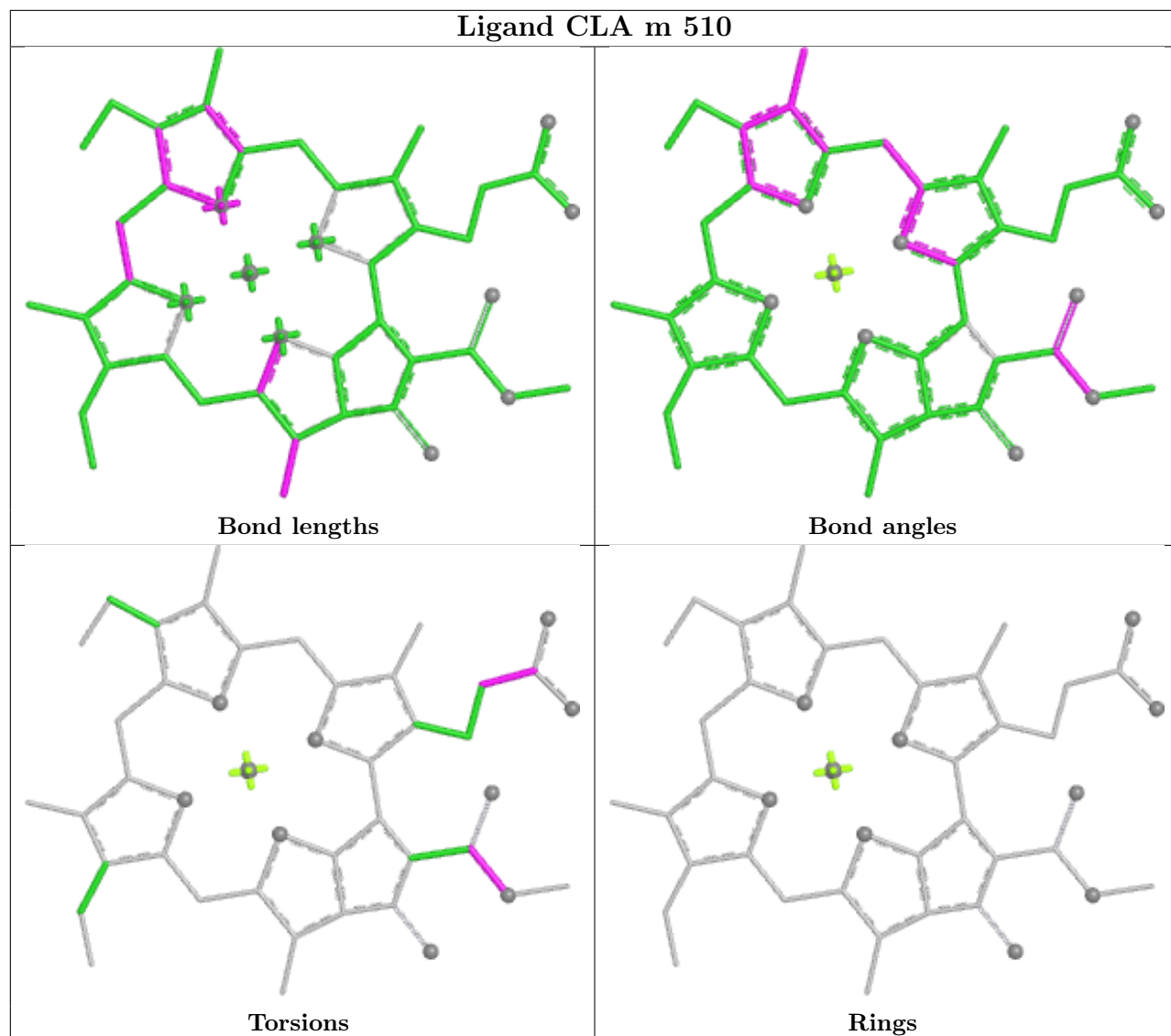
Ligand CLA n 508



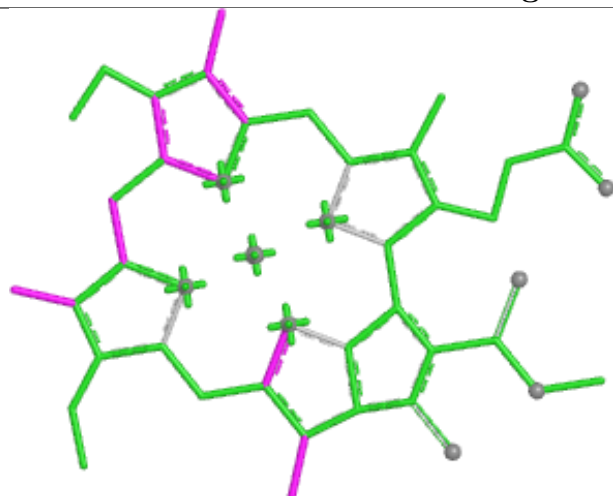
Ligand CLA b6 509



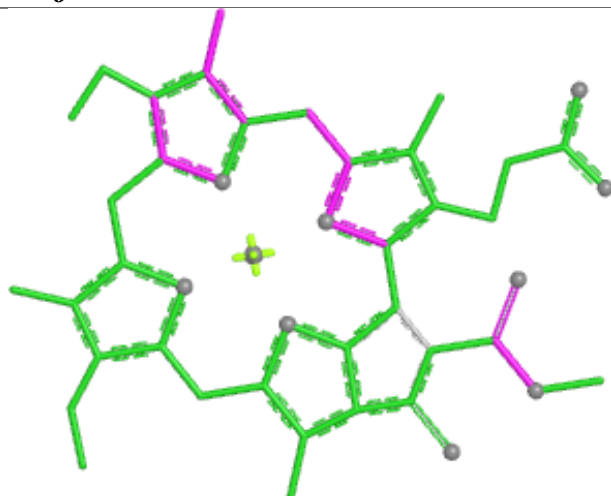




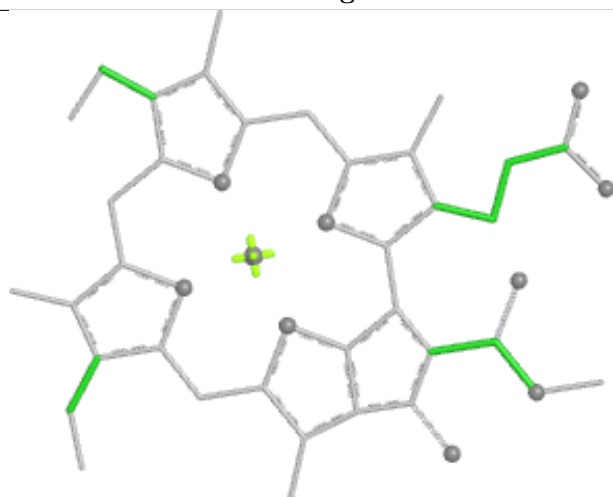
Ligand CLA j 508



Bond lengths



Bond angles

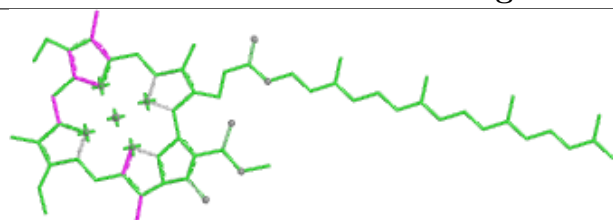


Torsions

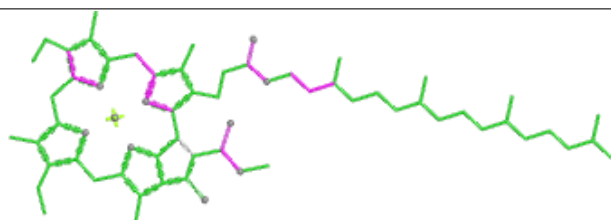


Rings

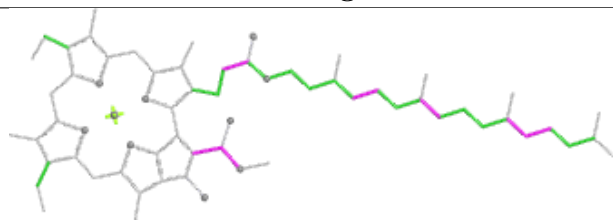
Ligand CLA bB 1229



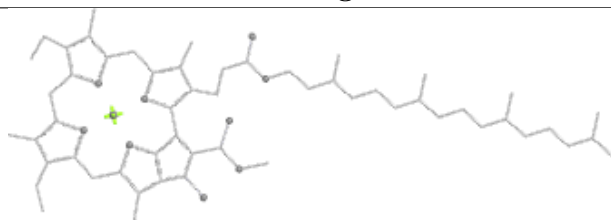
Bond lengths



Bond angles

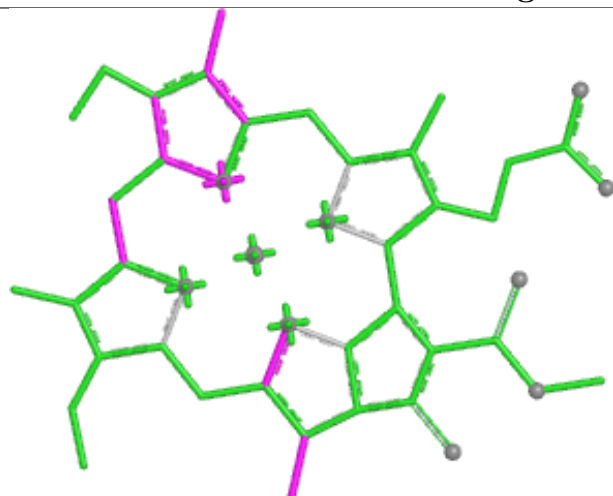


Torsions

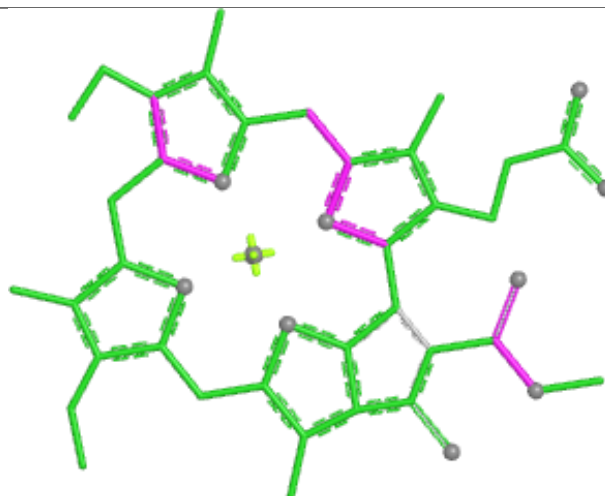


Rings

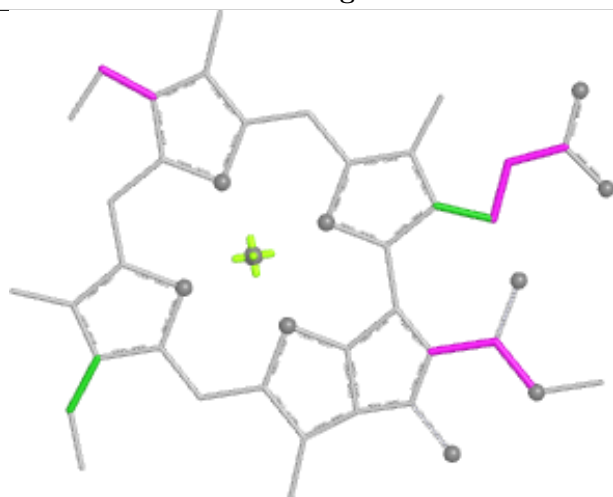
Ligand CLA b 501



Bond lengths



Bond angles

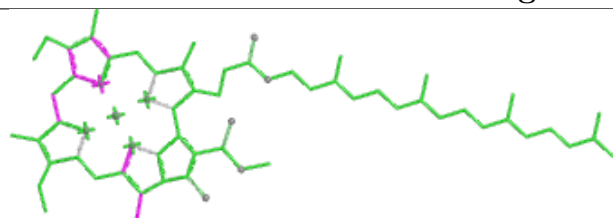


Torsions

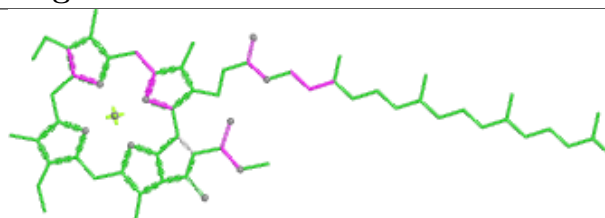


Rings

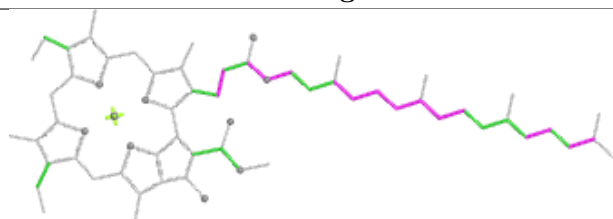
Ligand CLA g 505



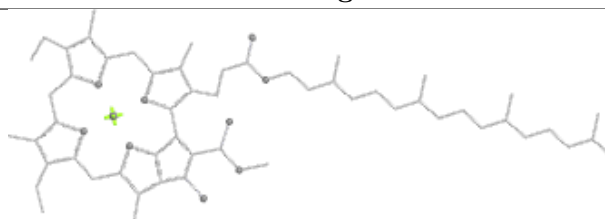
Bond lengths



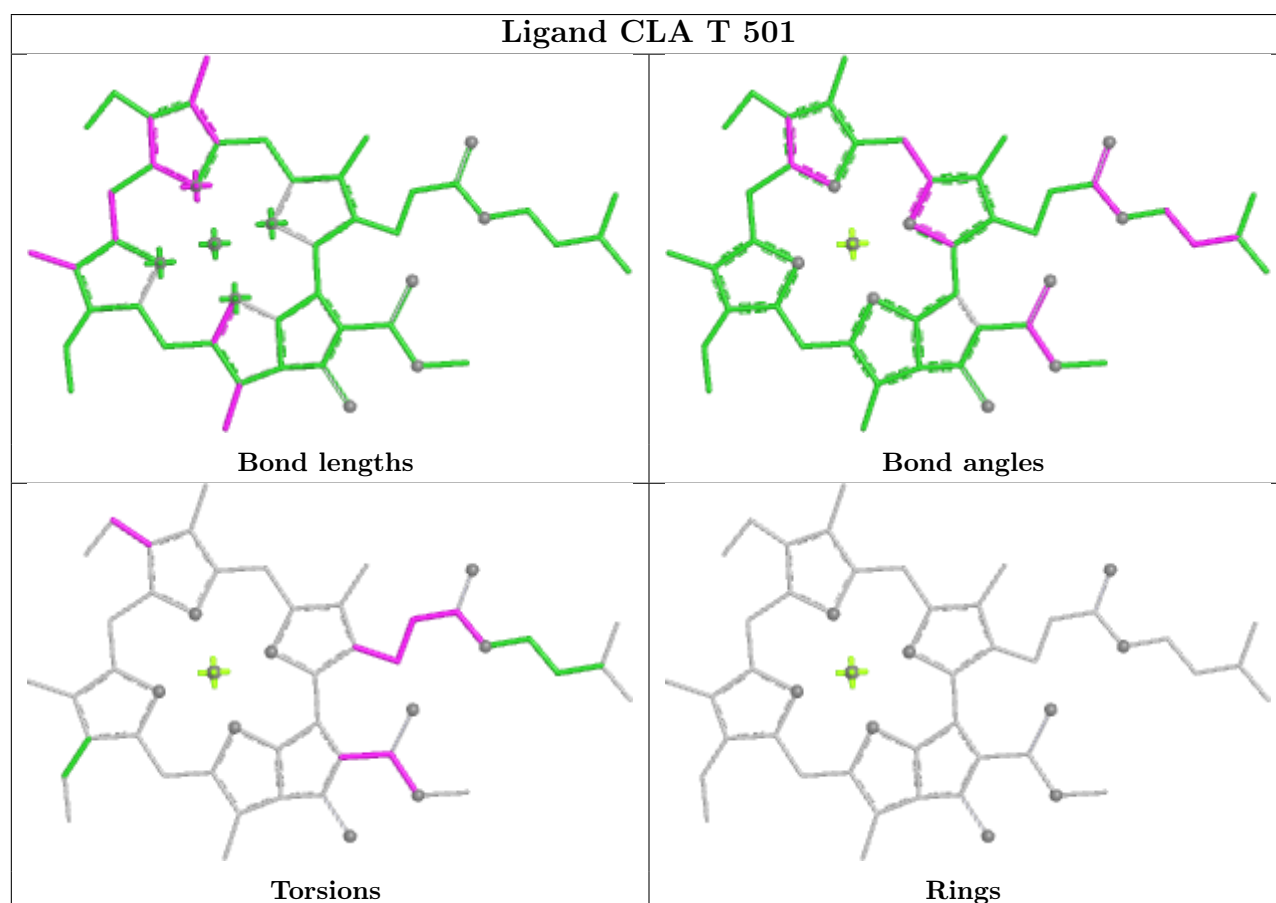
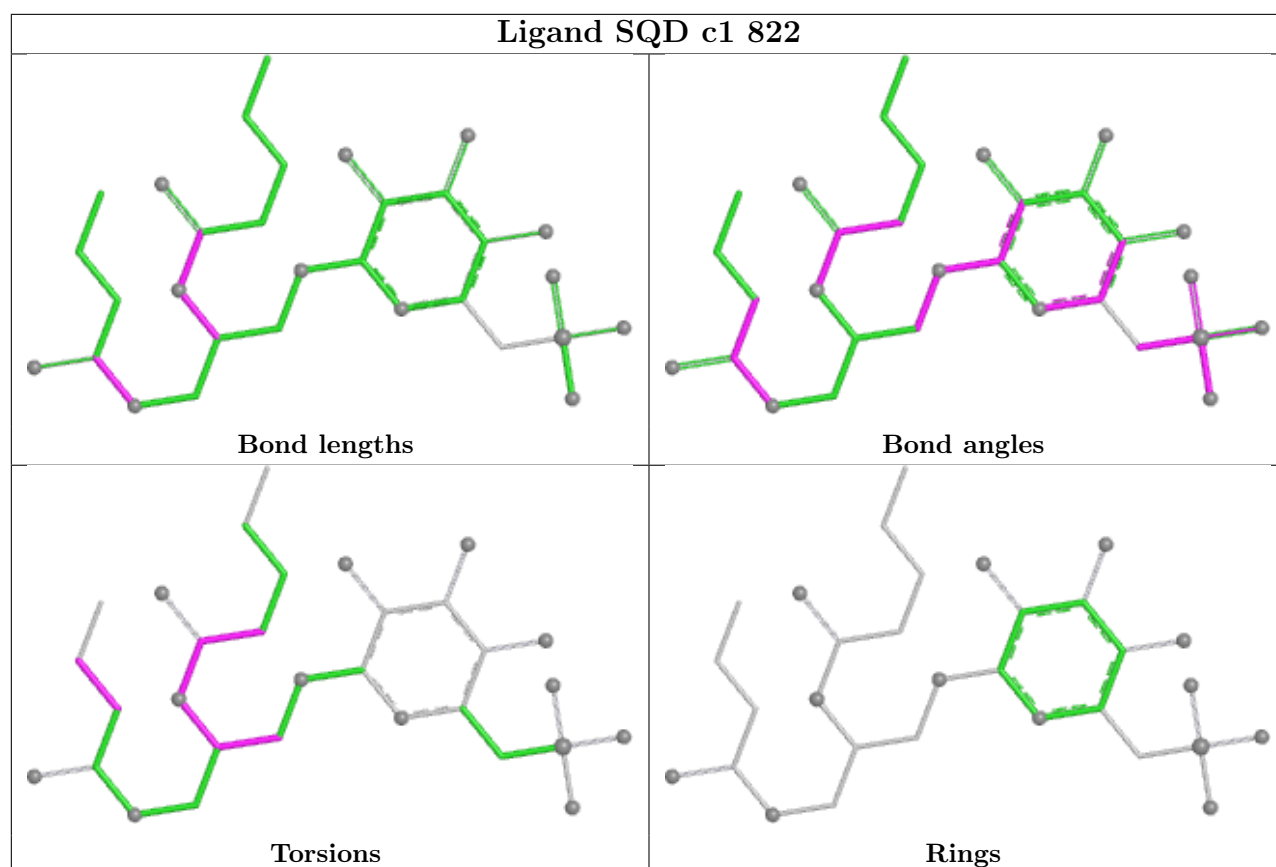
Bond angles

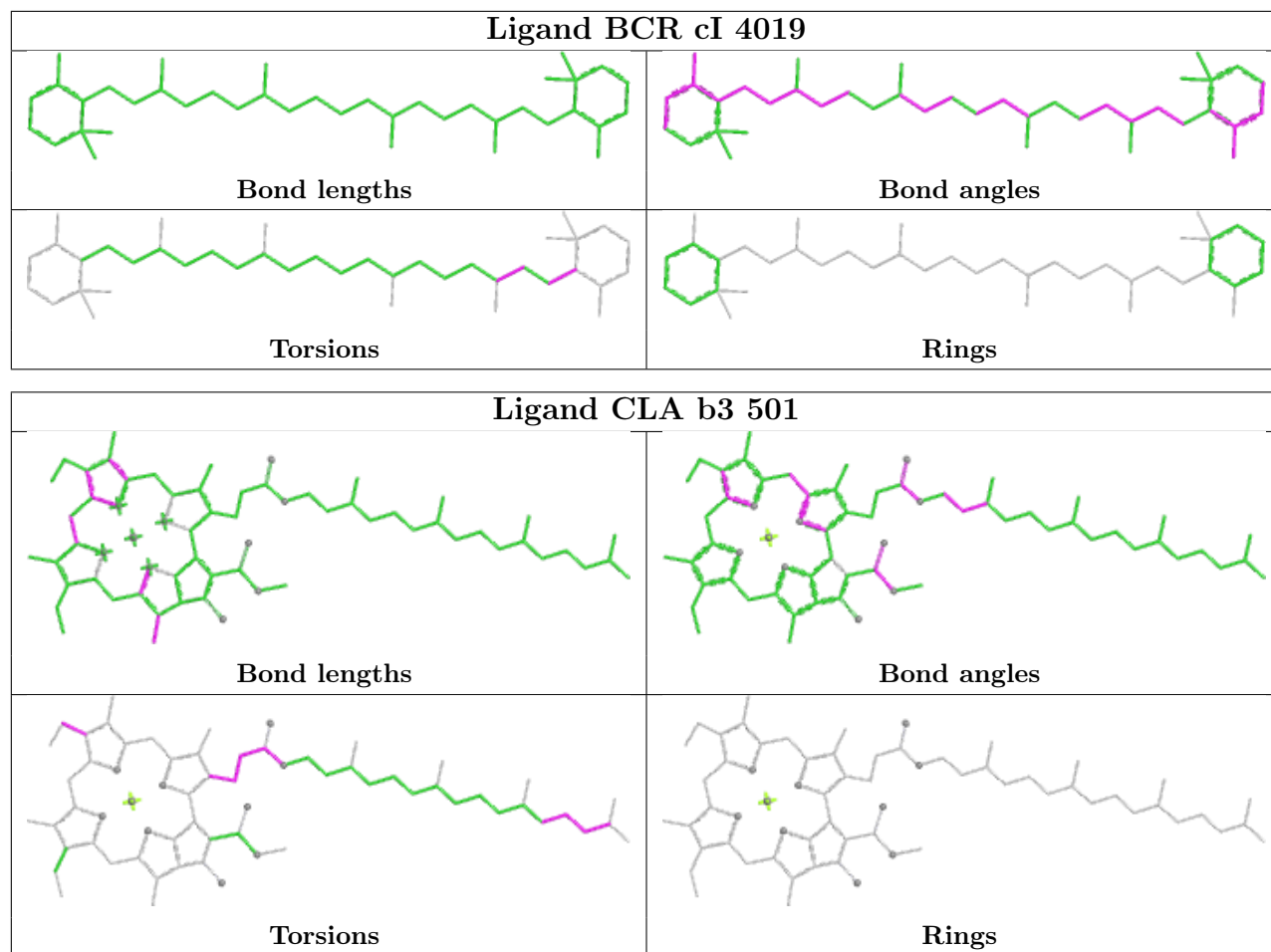


Torsions

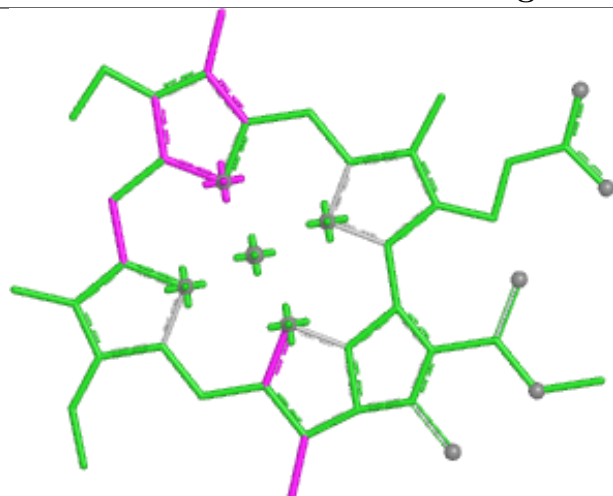


Rings





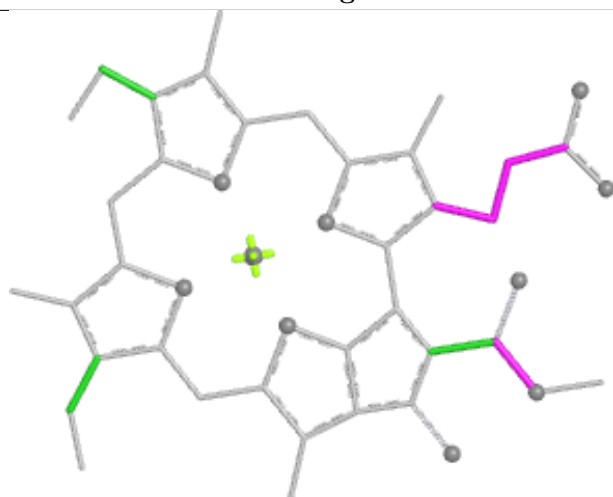
Ligand CLA d 506



Bond lengths



Bond angles

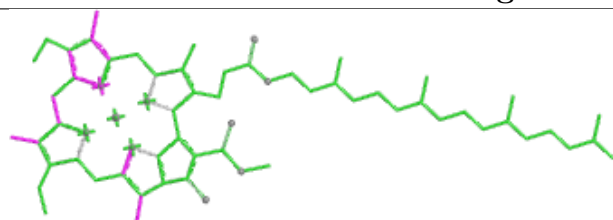


Torsions

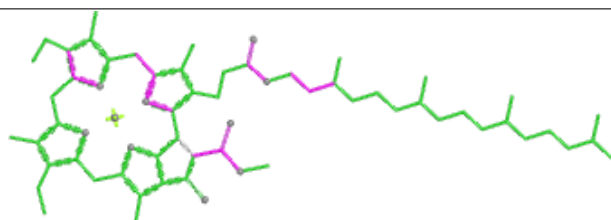


Rings

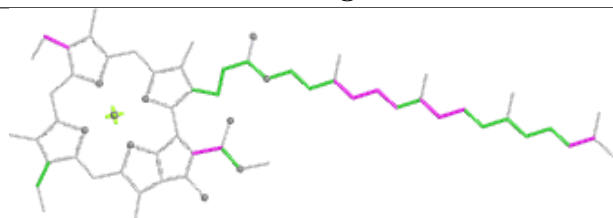
Ligand CLA aB 1205



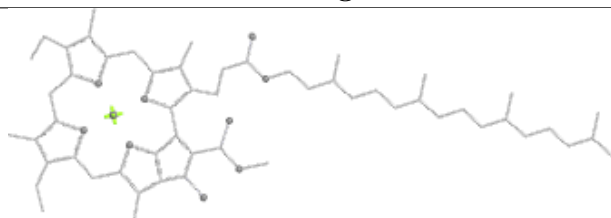
Bond lengths



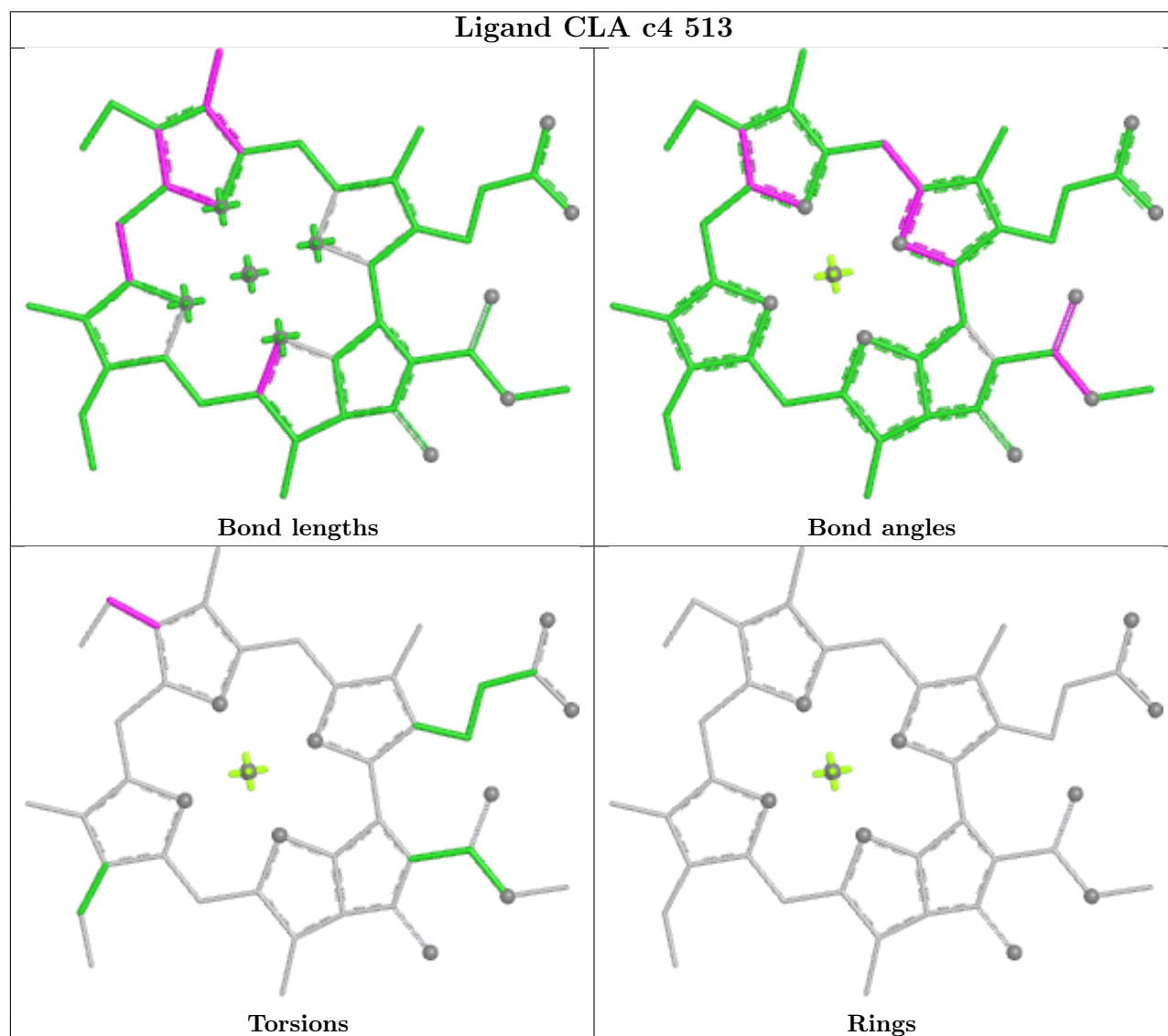
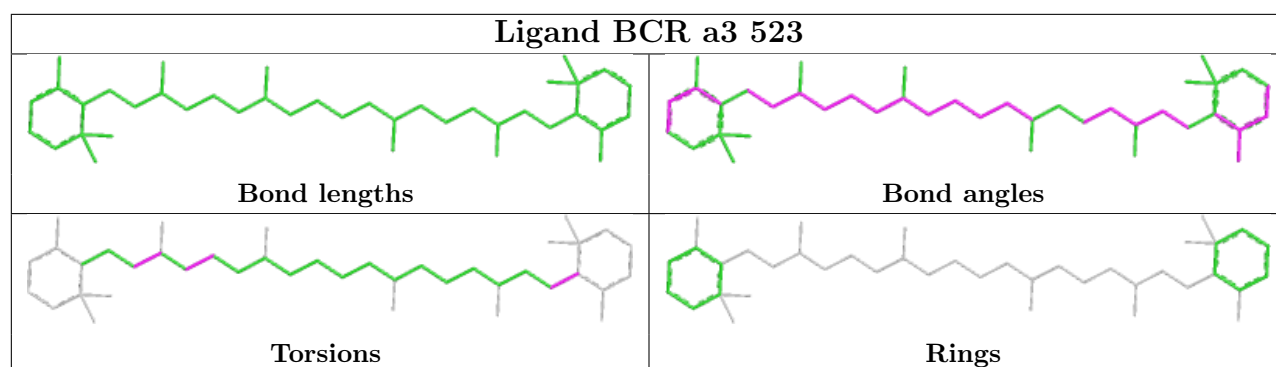
Bond angles

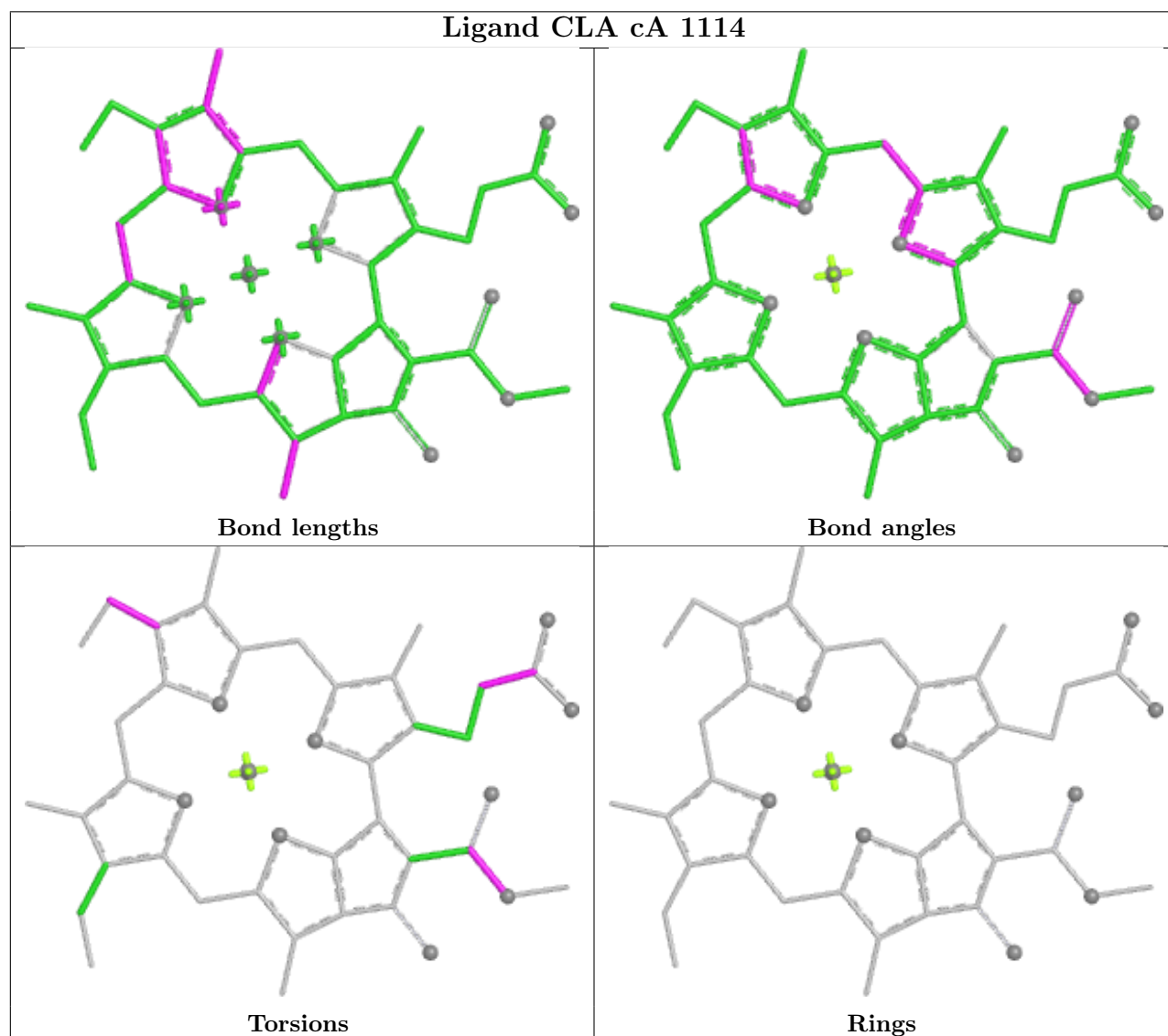
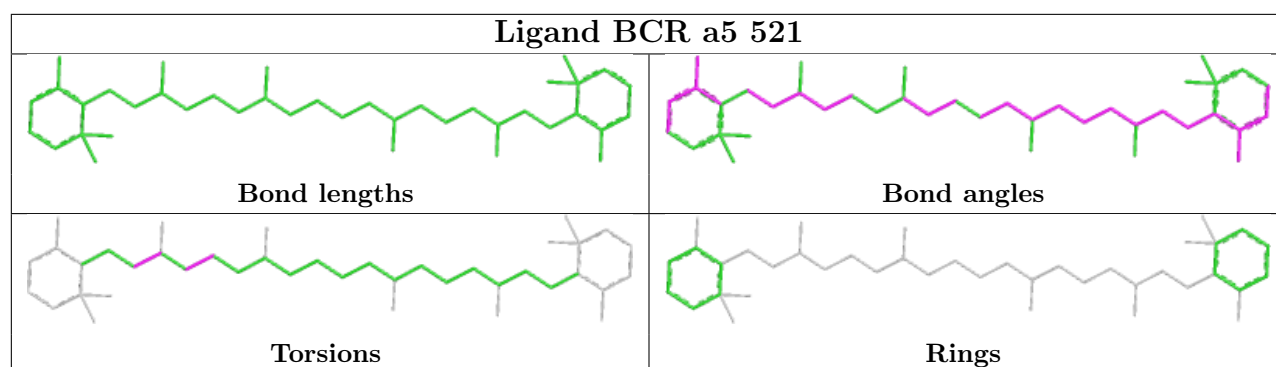


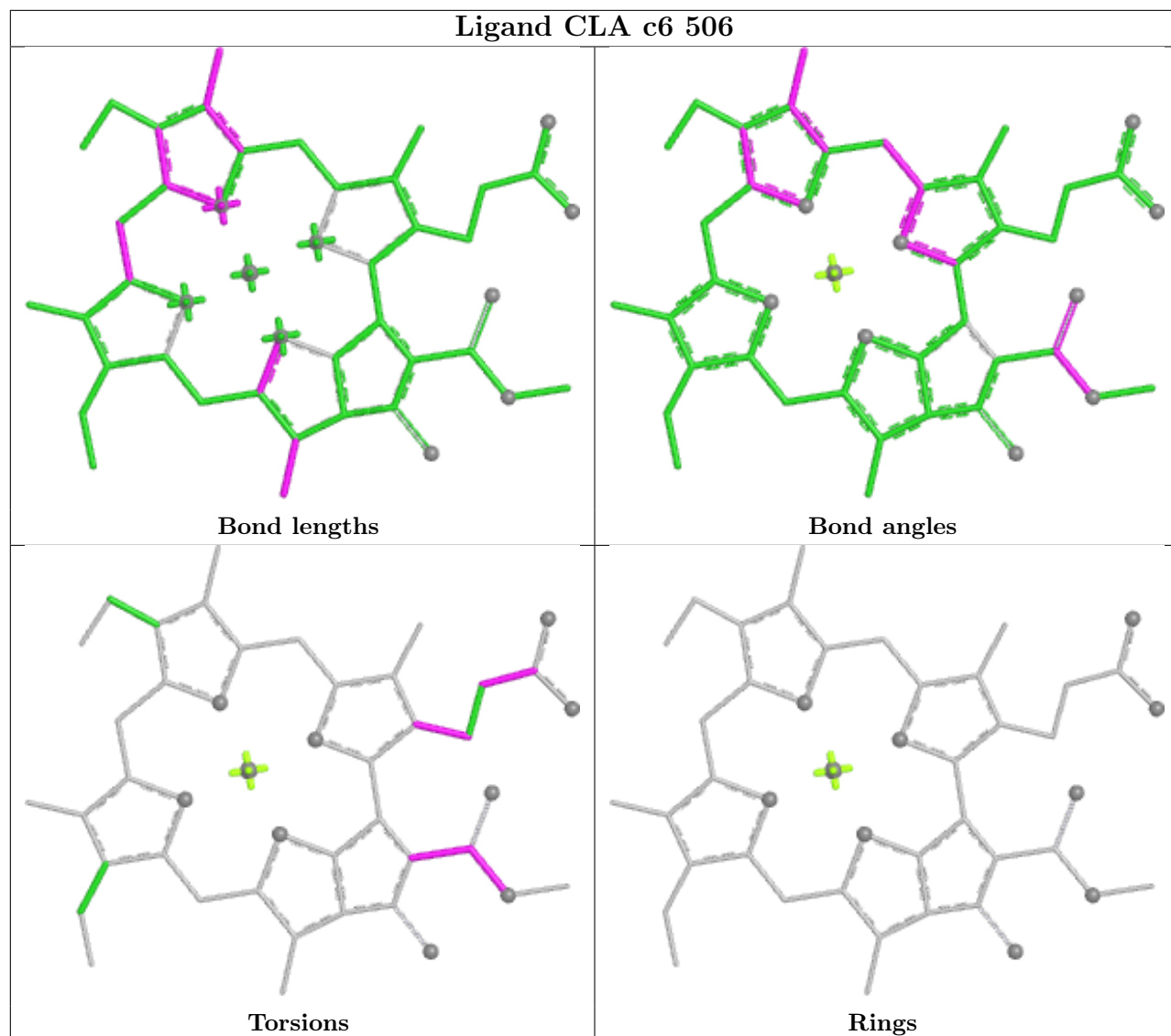
Torsions



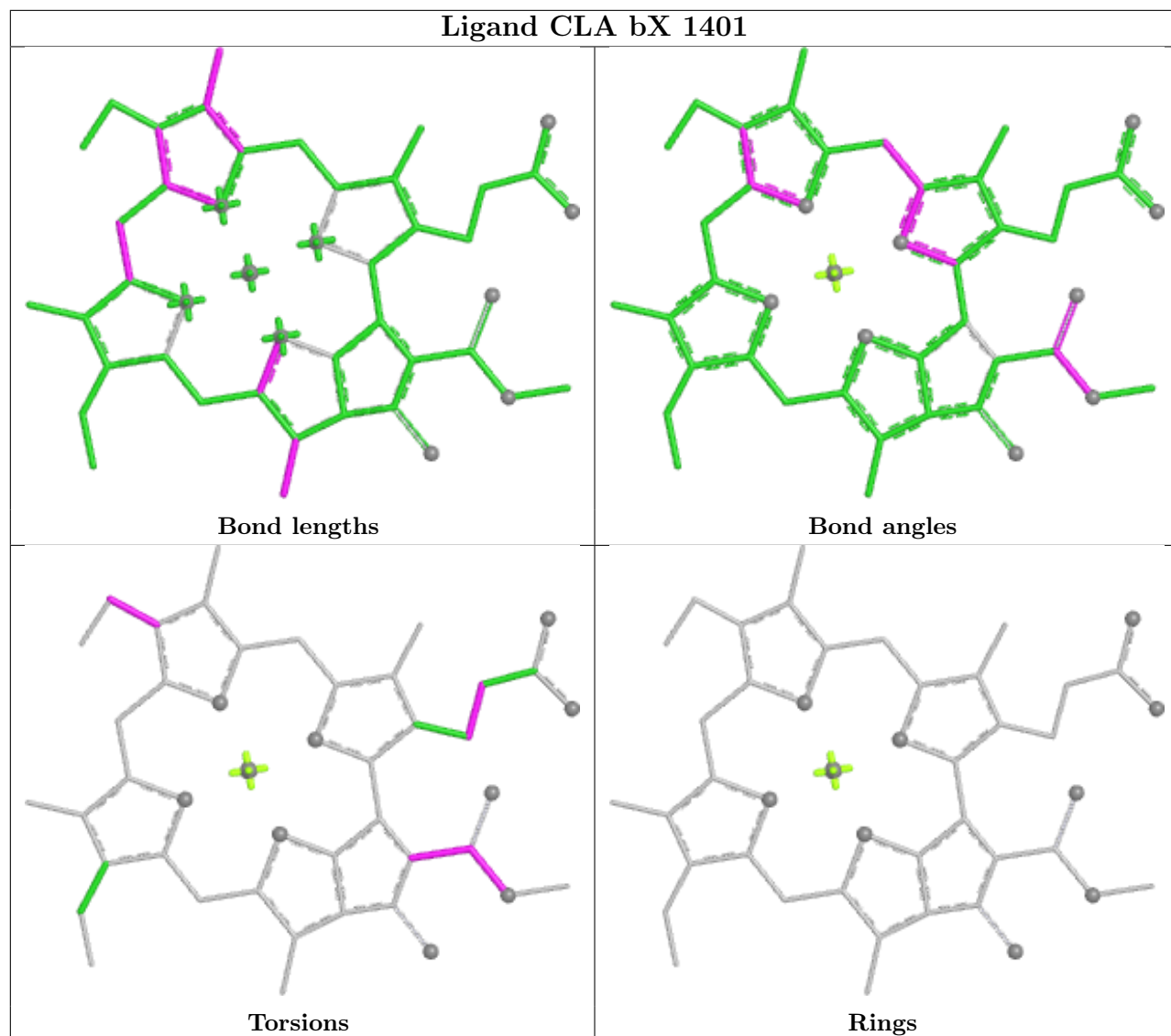
Rings

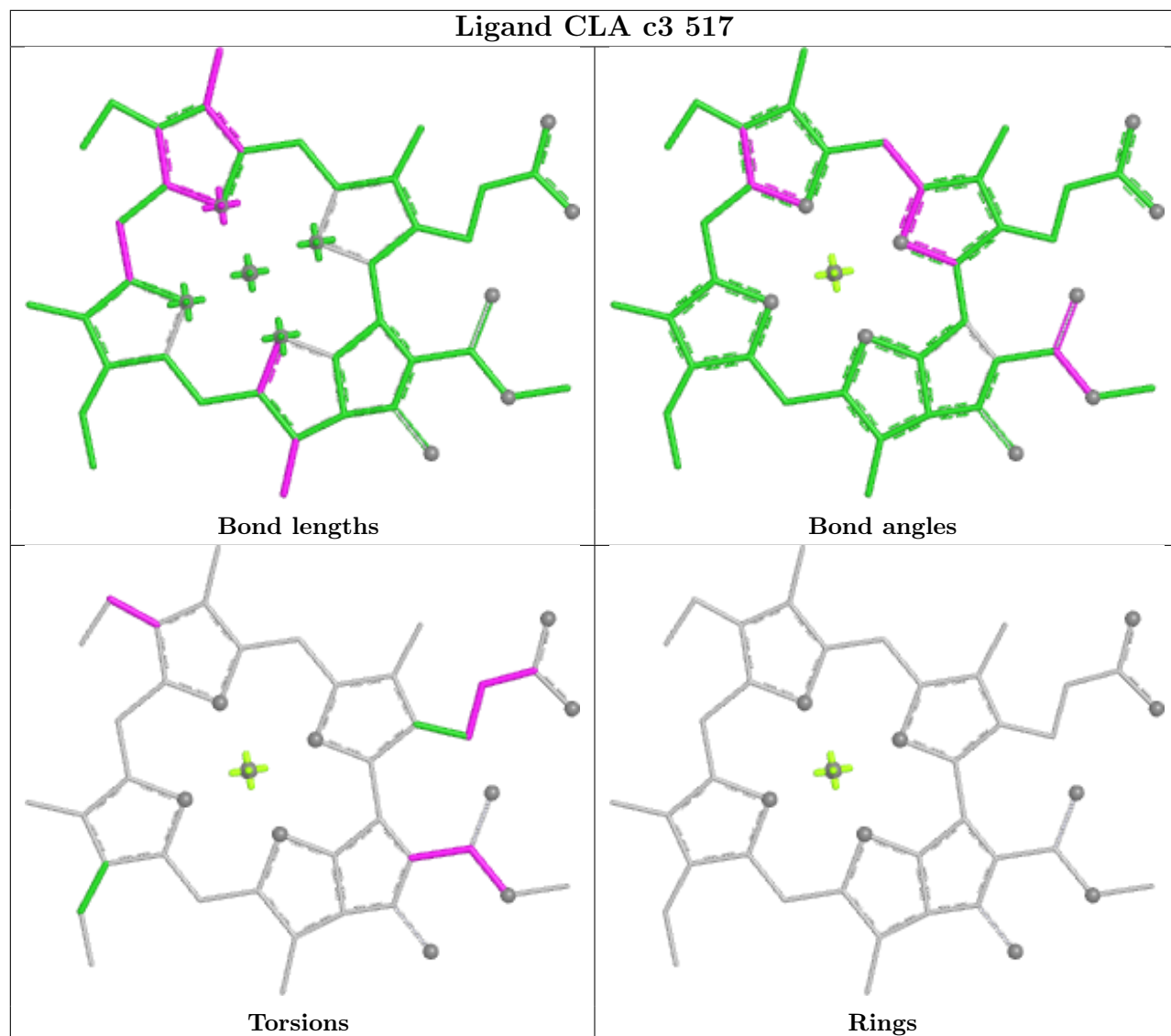




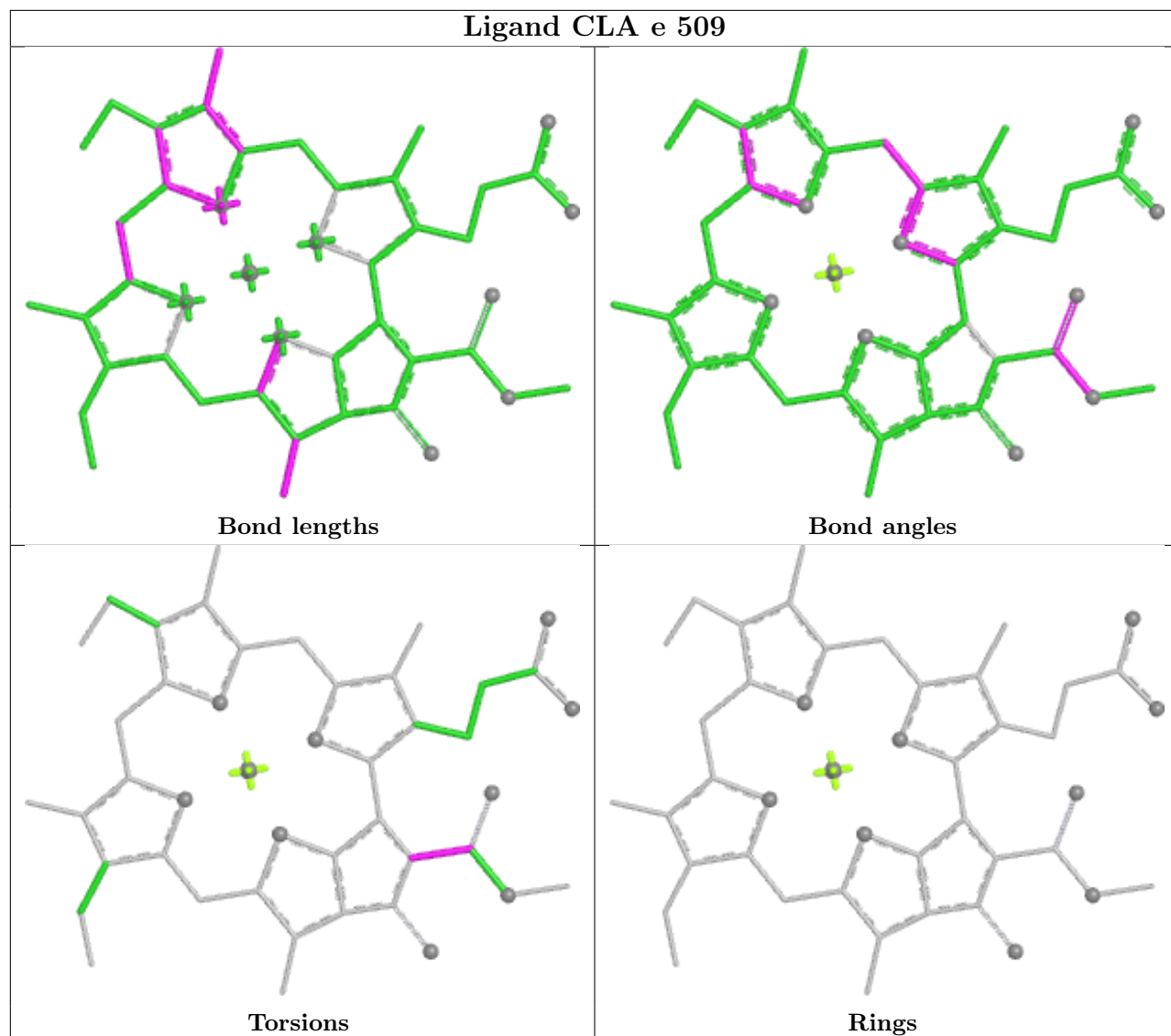


Ligand CLA bX 1401

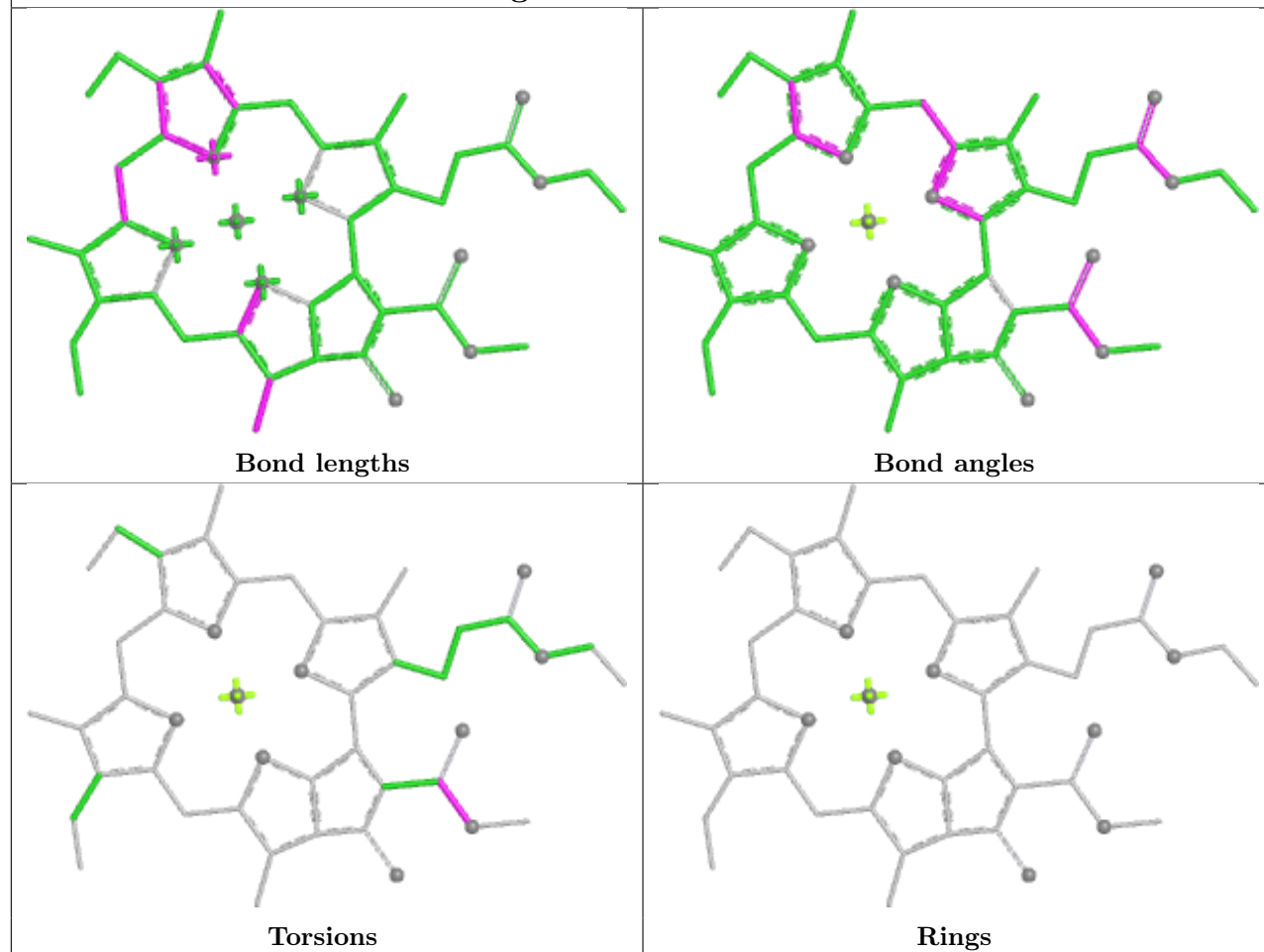




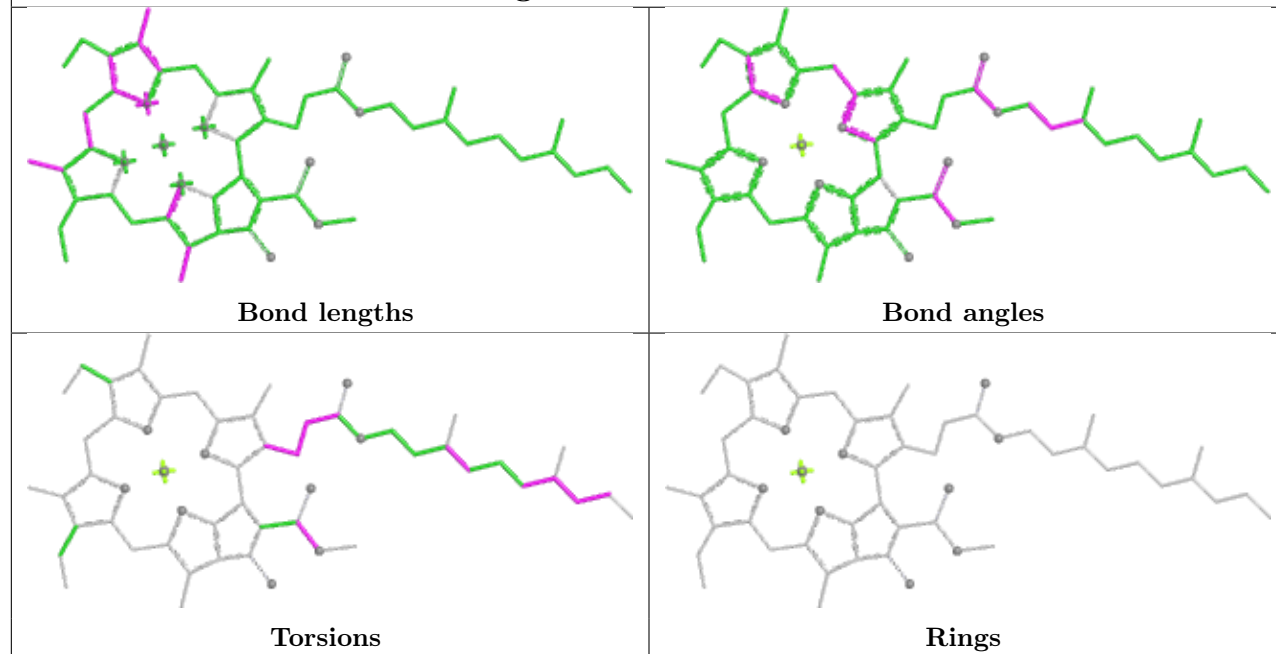
Ligand CLA e 509

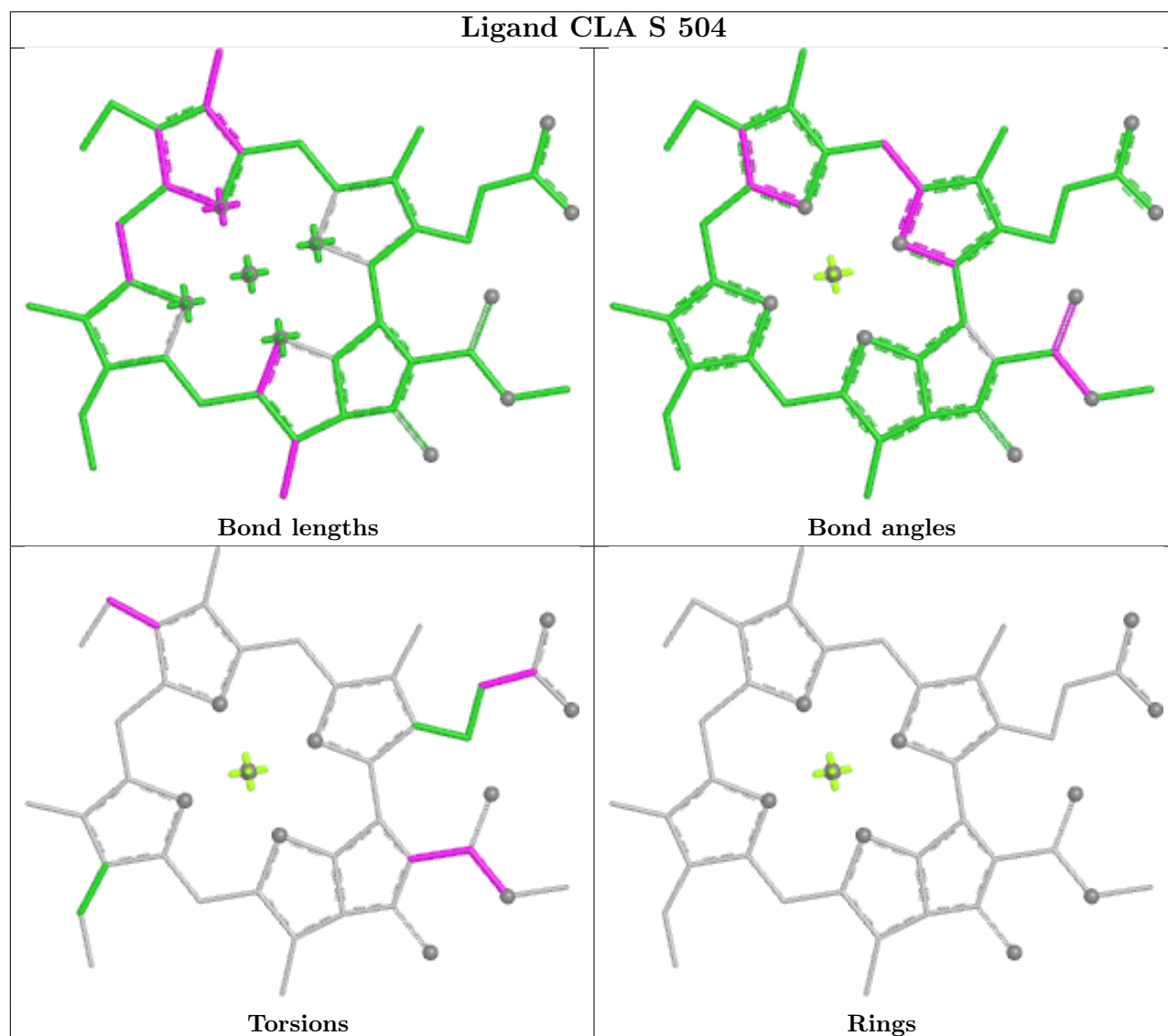
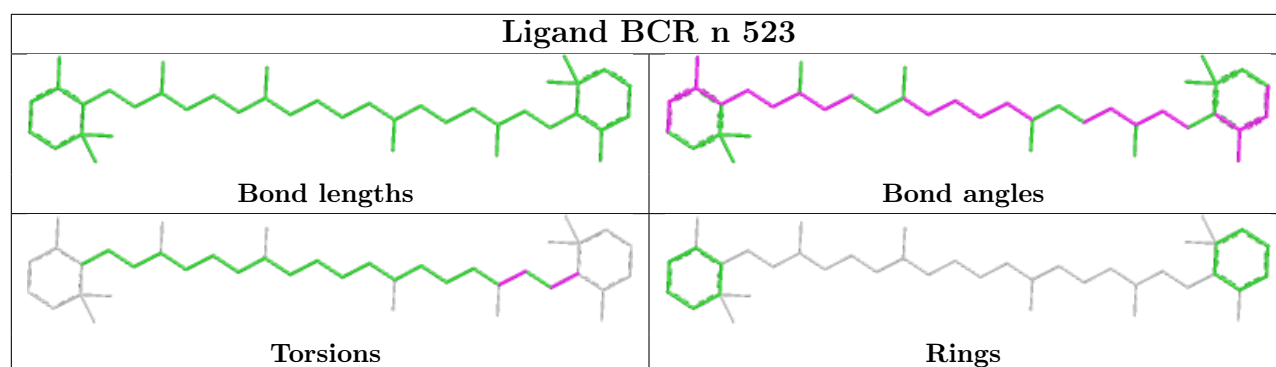


Ligand CLA cB 1220

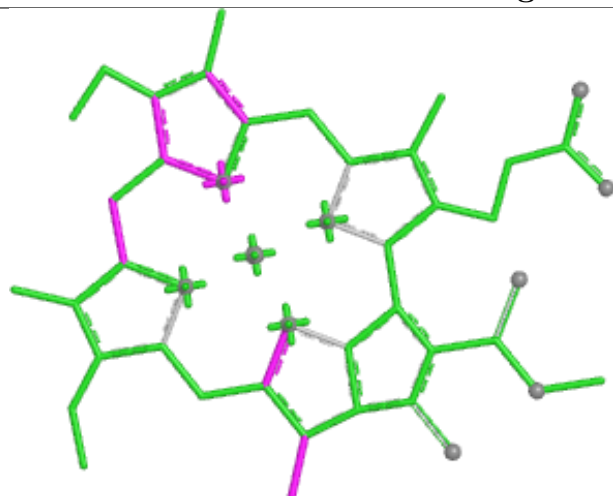


Ligand CLA aB 1224

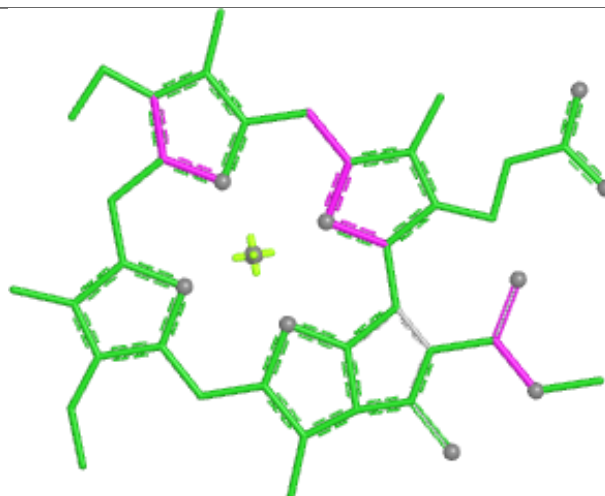




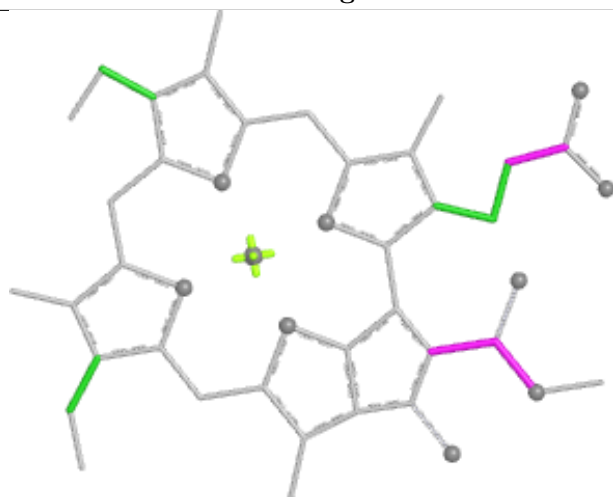
Ligand CLA b 507



Bond lengths



Bond angles

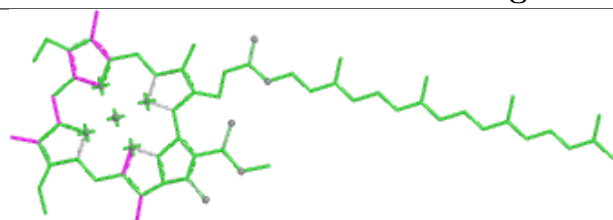


Torsions

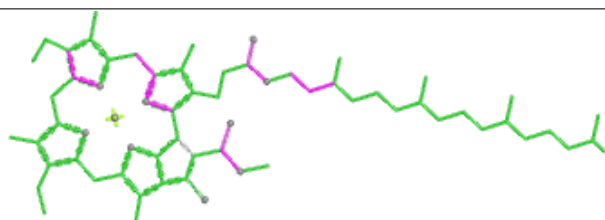


Rings

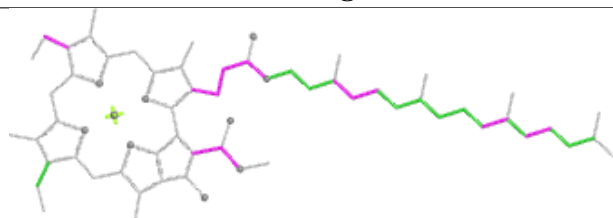
Ligand CLA a4 501



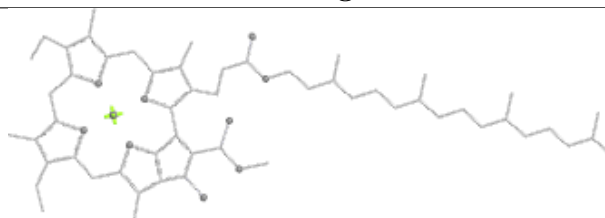
Bond lengths



Bond angles

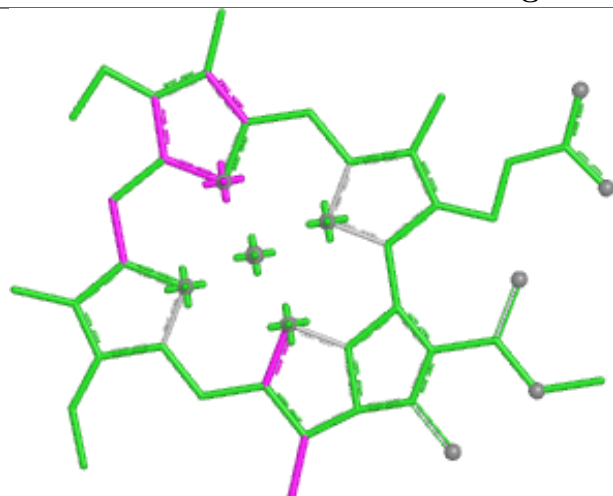


Torsions



Rings

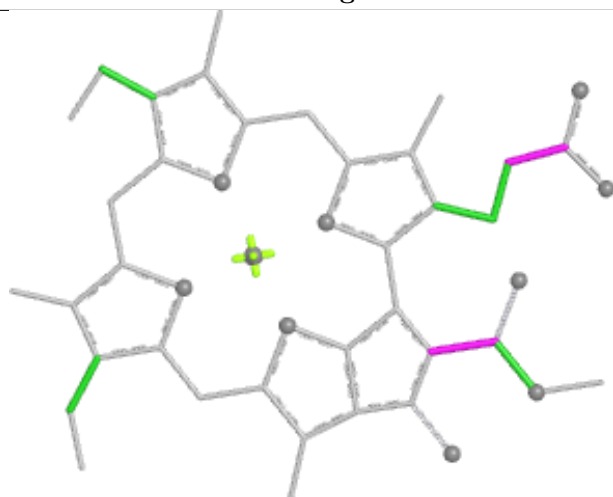
Ligand CLA f 507



Bond lengths



Bond angles

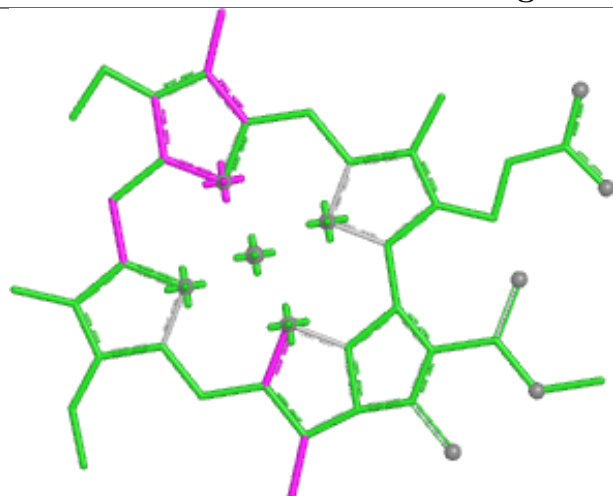


Torsions

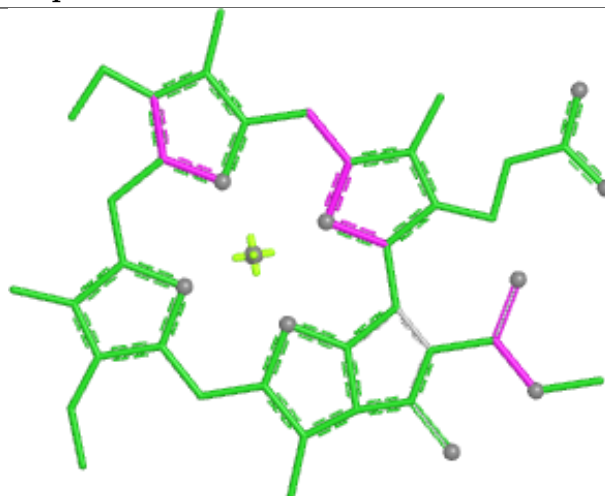


Rings

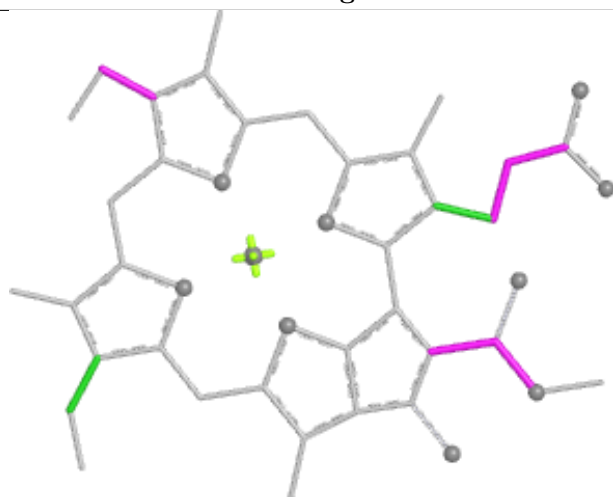
Ligand CLA p 504



Bond lengths



Bond angles

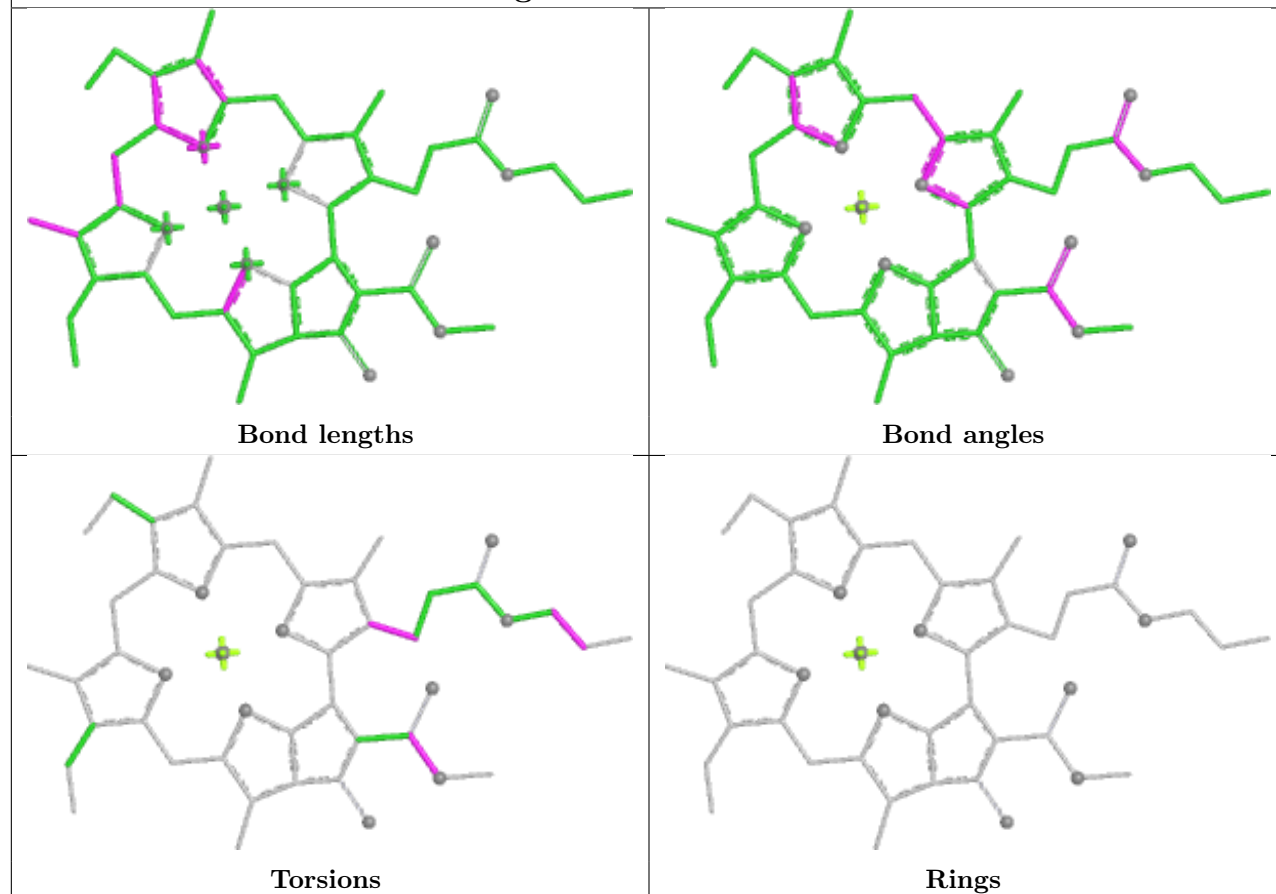


Torsions

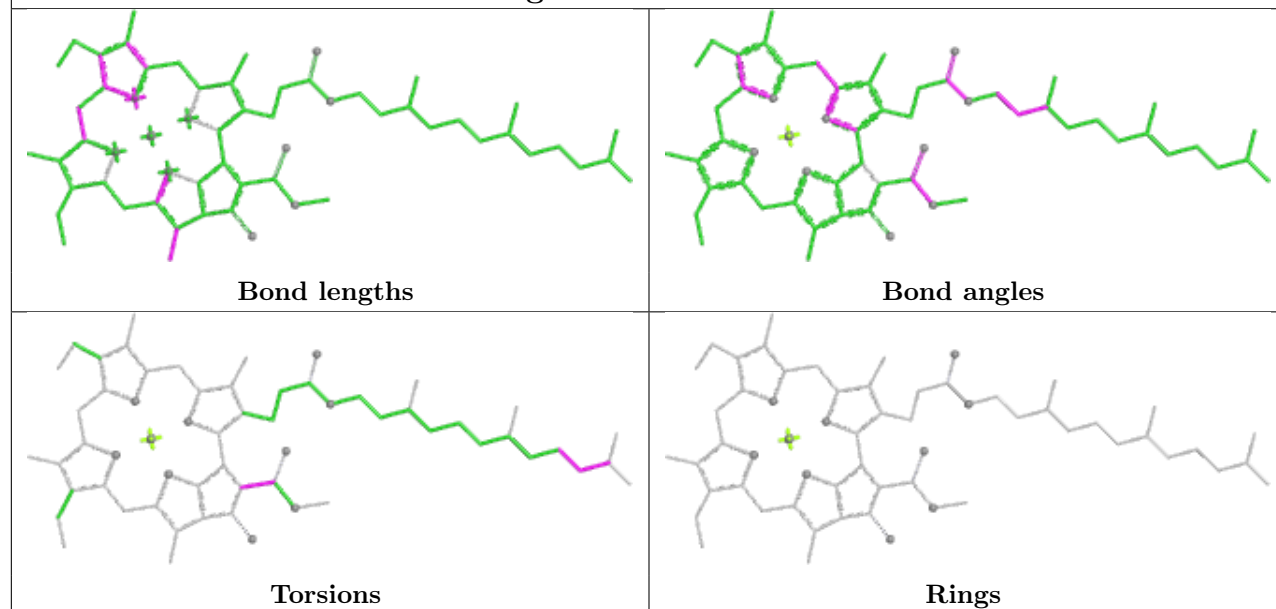


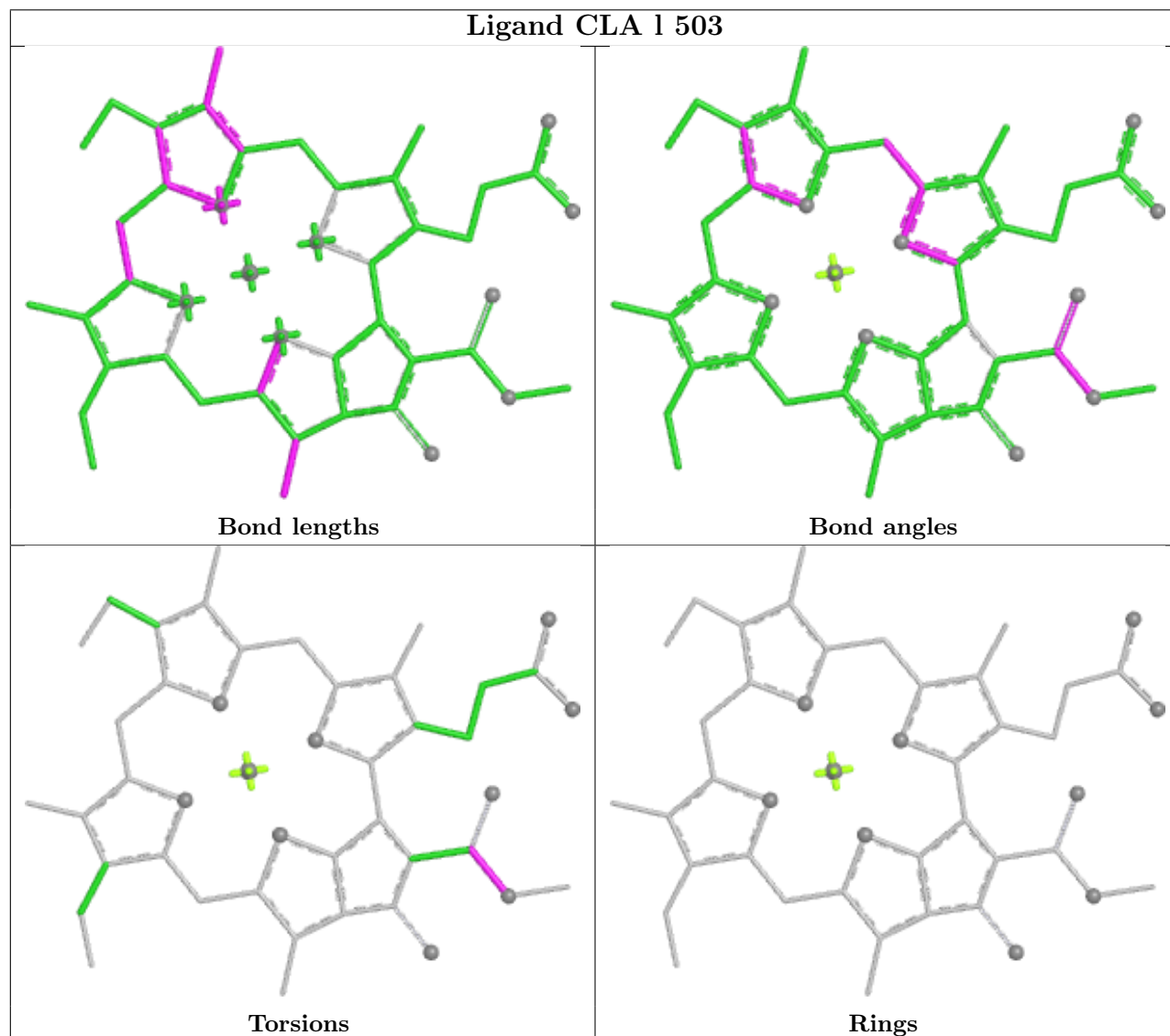
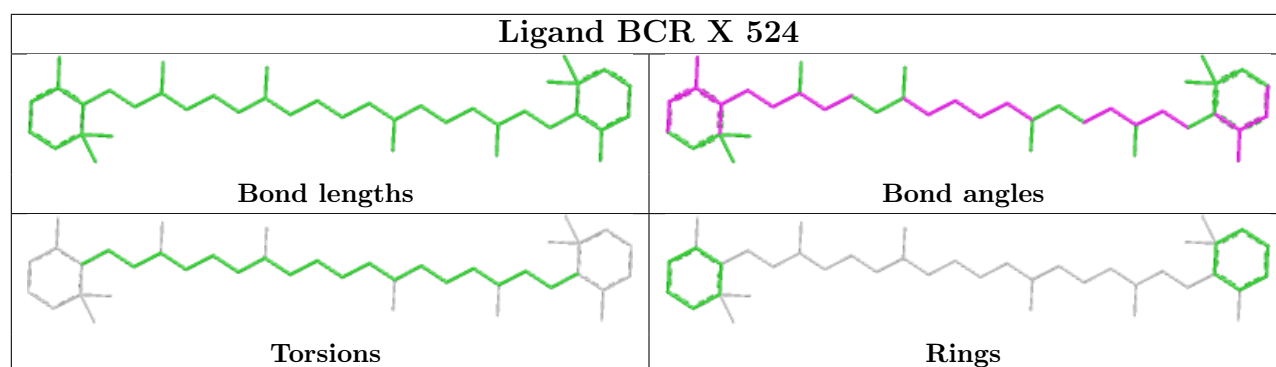
Rings

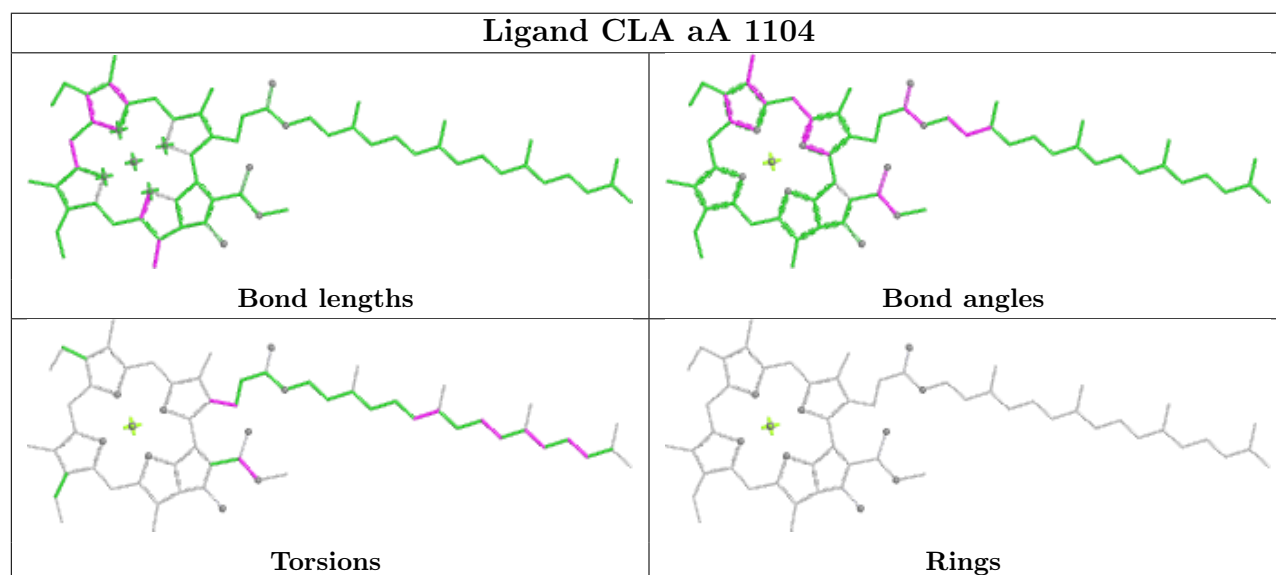
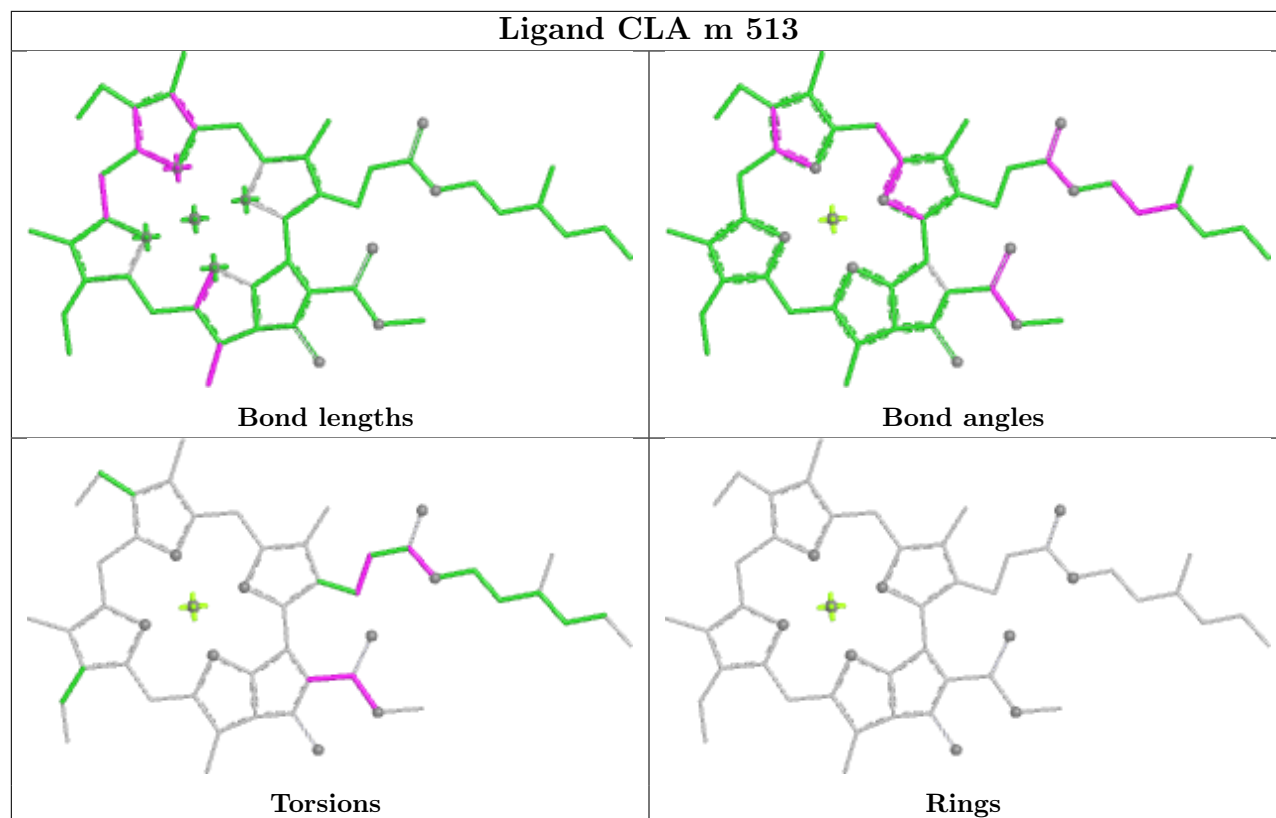
Ligand CLA cA 1112

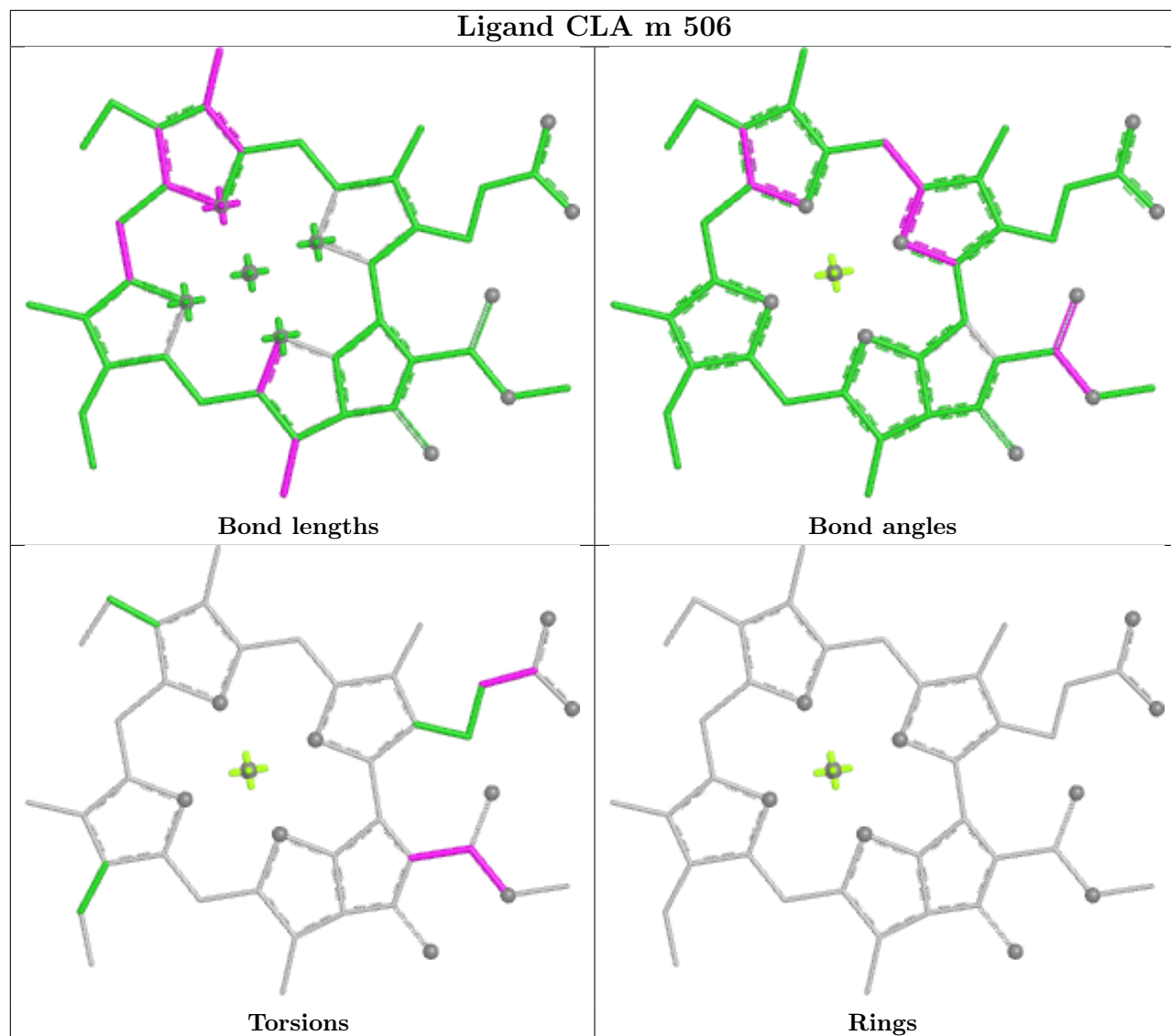


Ligand CLA b3 507

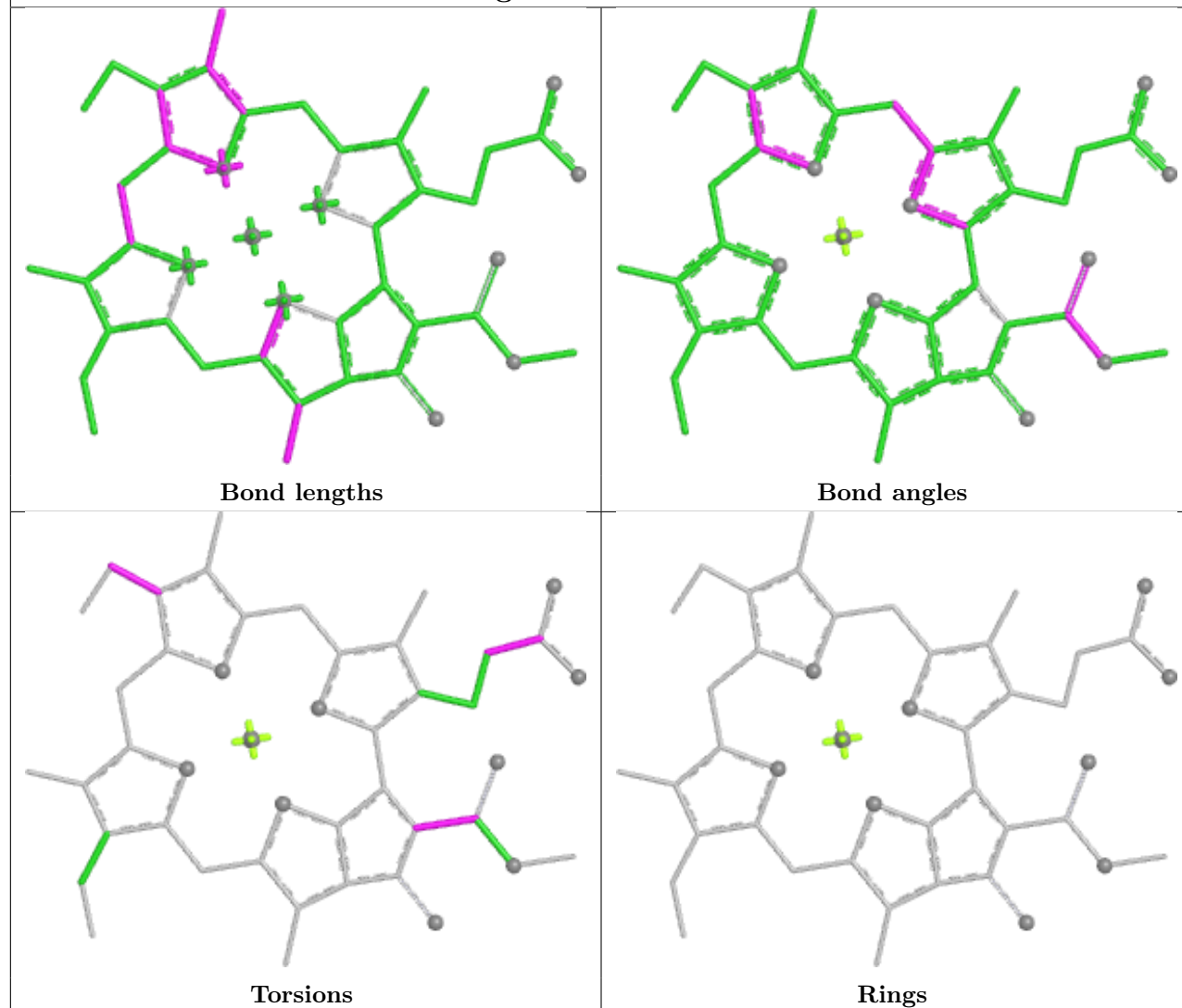




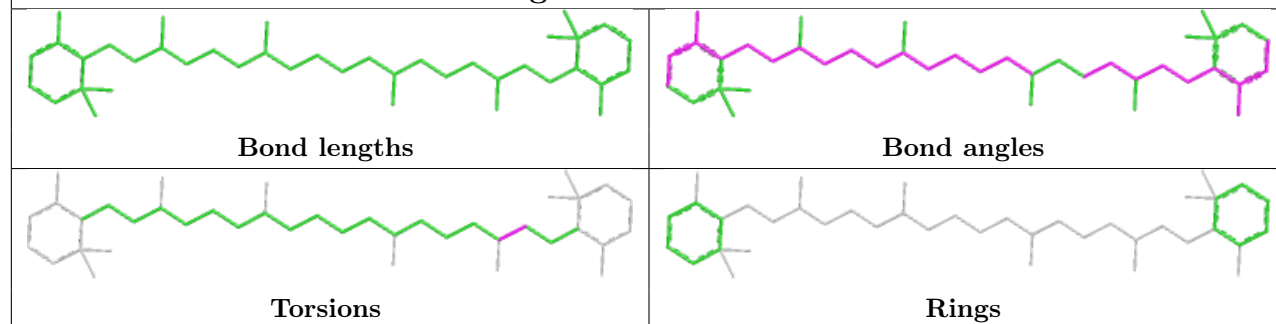


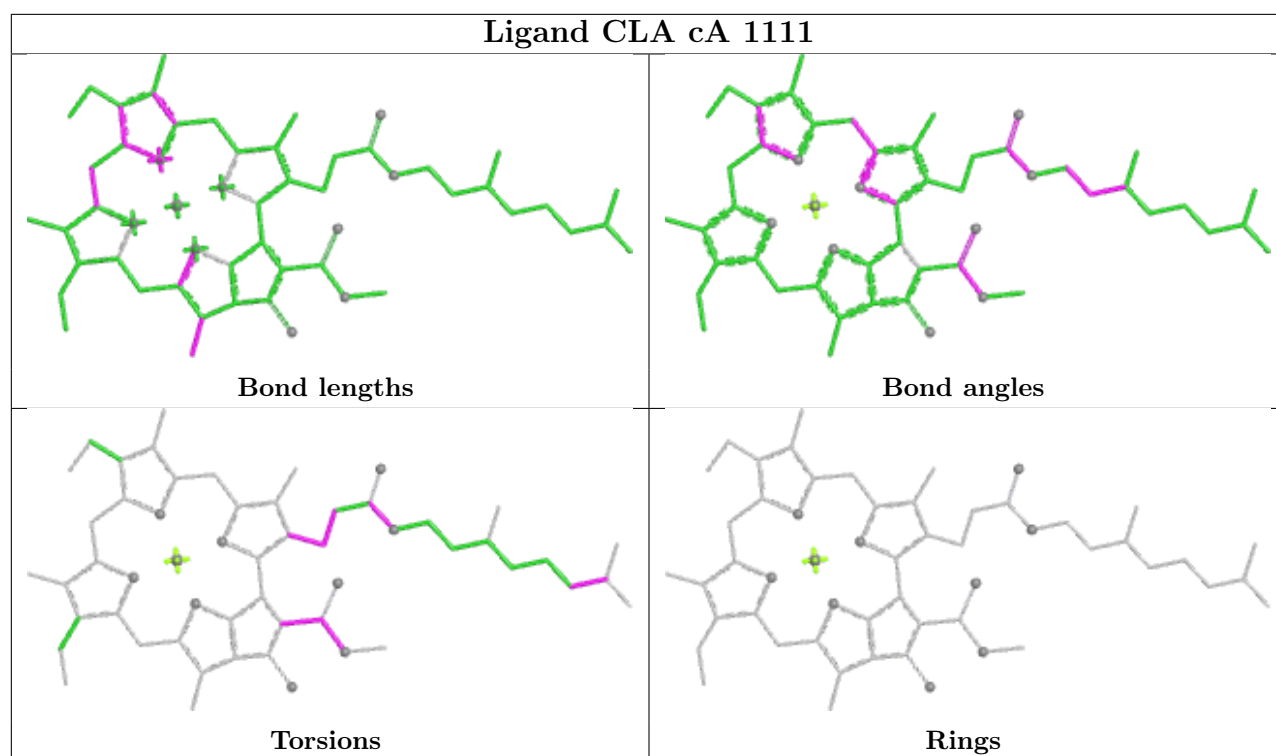


Ligand CLA n 512

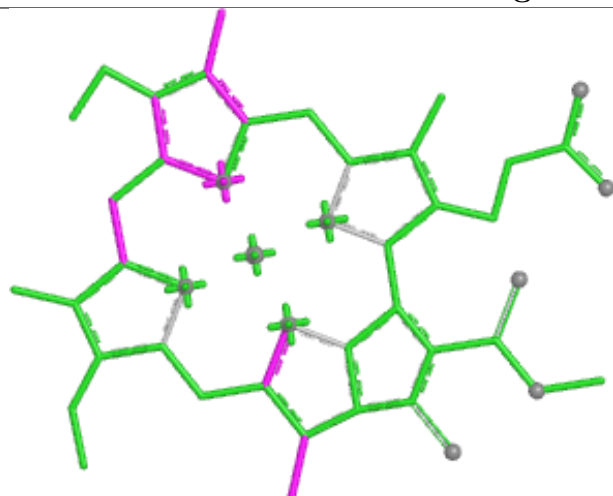


Ligand BCR U 524





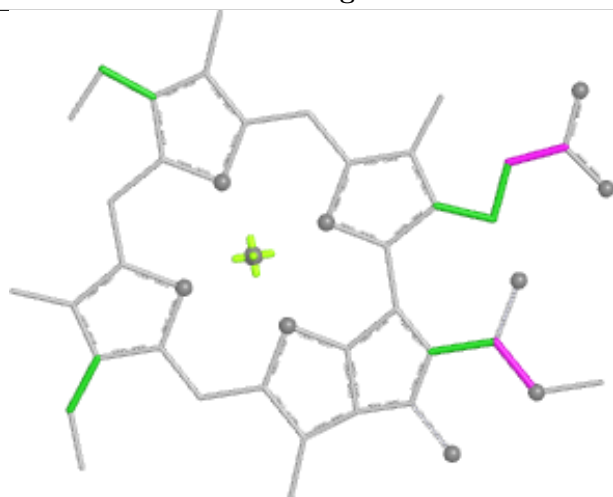
Ligand CLA V 506



Bond lengths



Bond angles

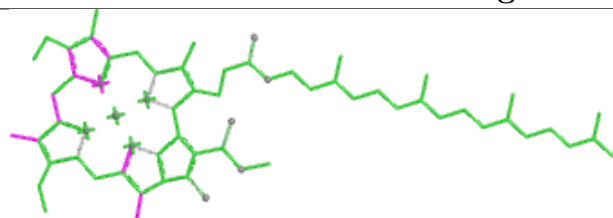


Torsions

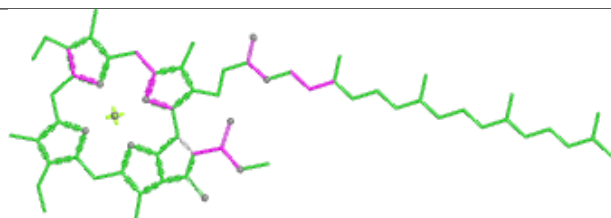


Rings

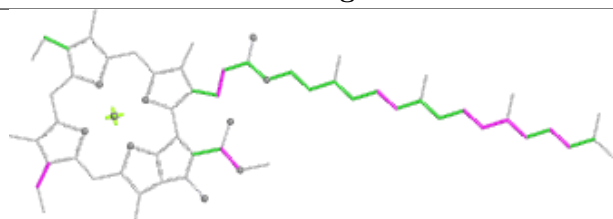
Ligand CLA cB 1023



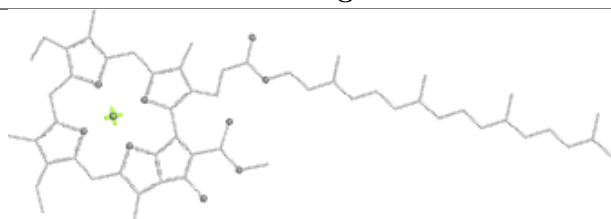
Bond lengths



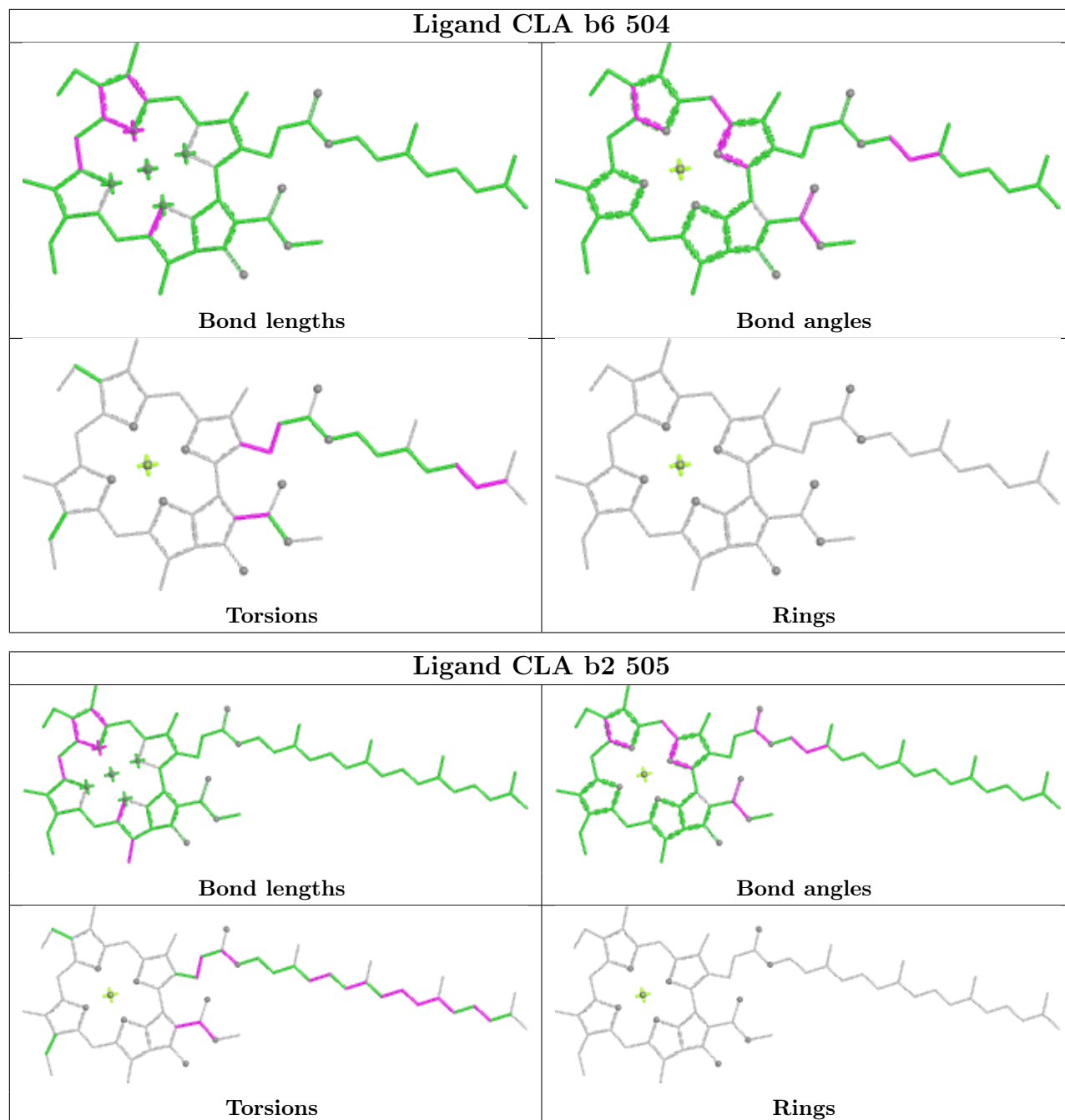
Bond angles



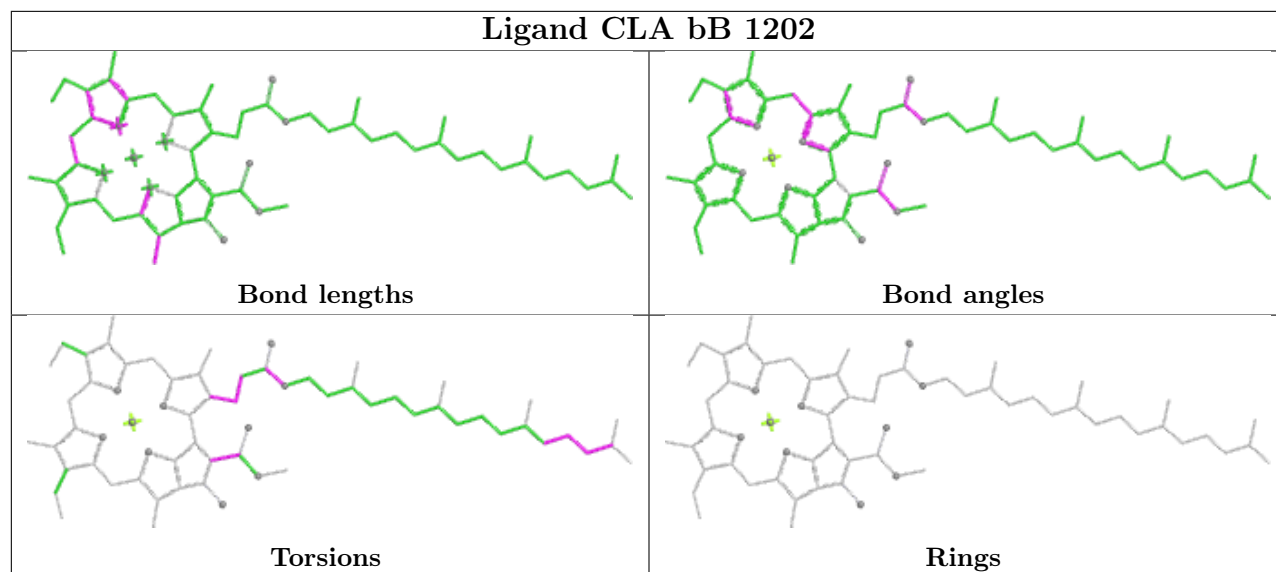
Torsions



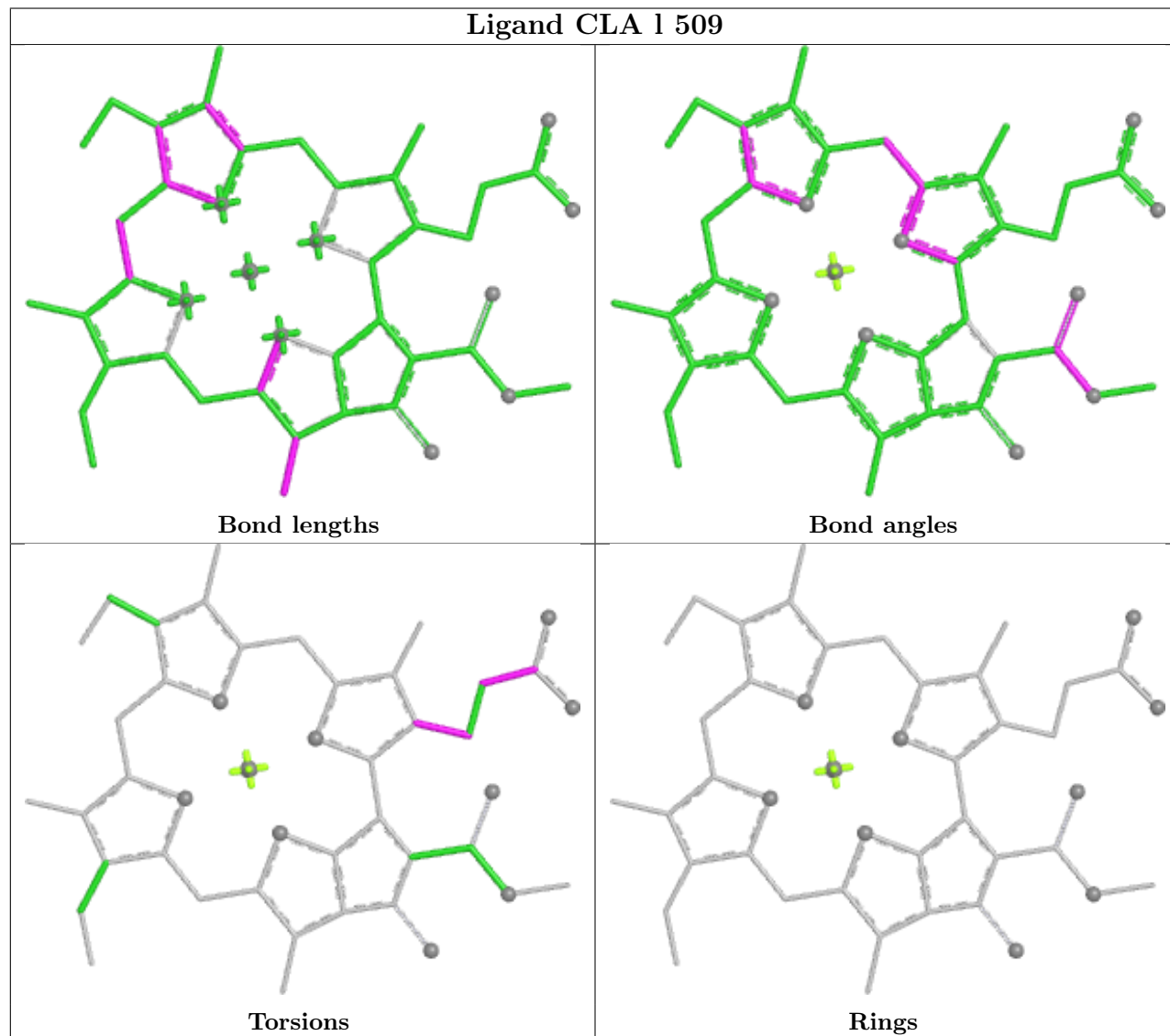
Rings

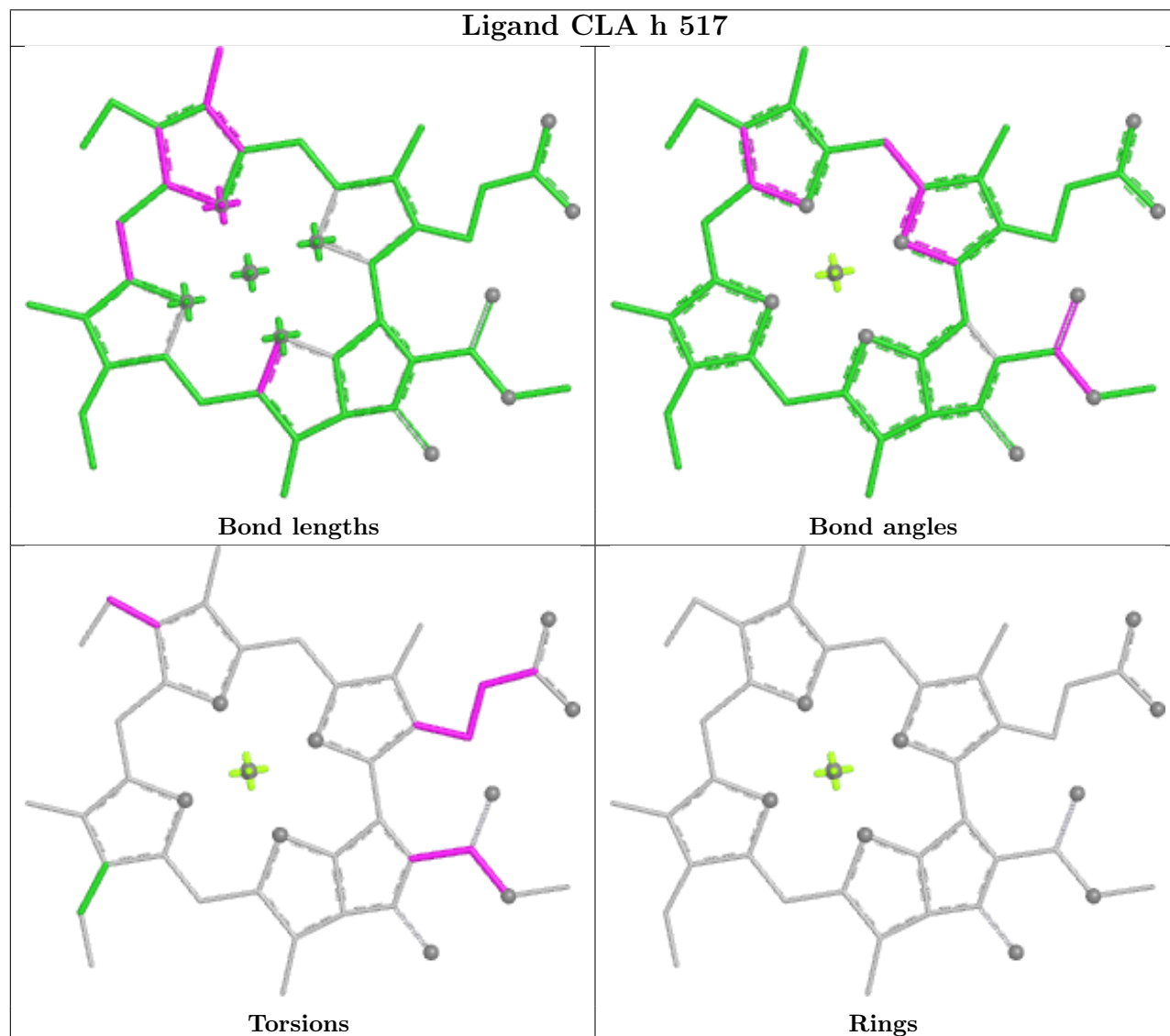
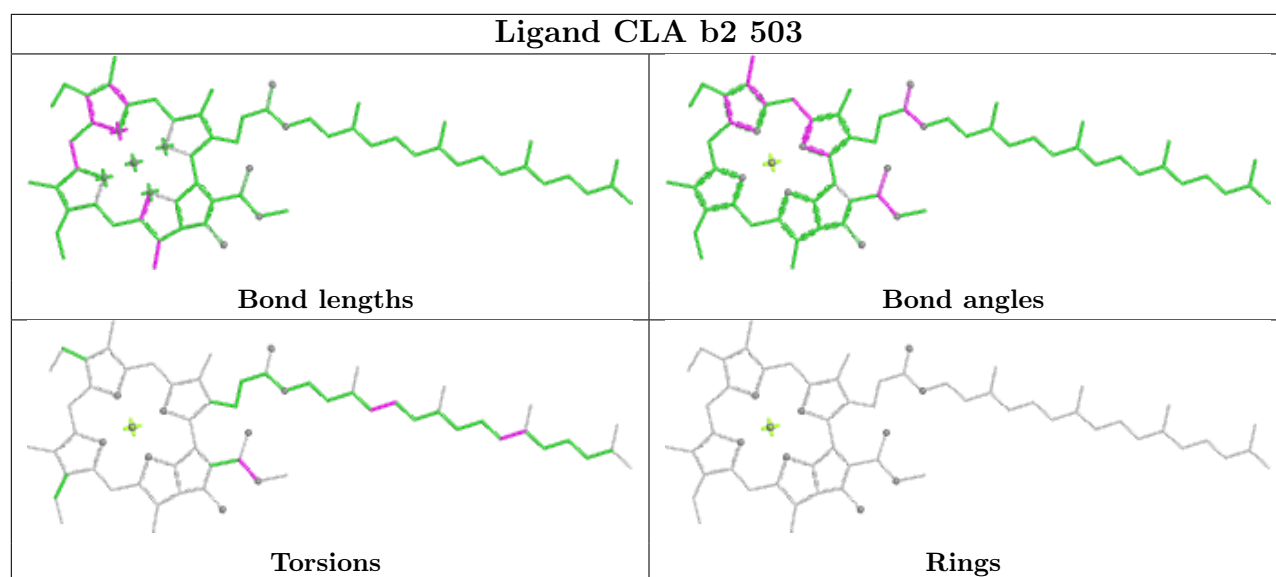


Ligand CLA bB 1202

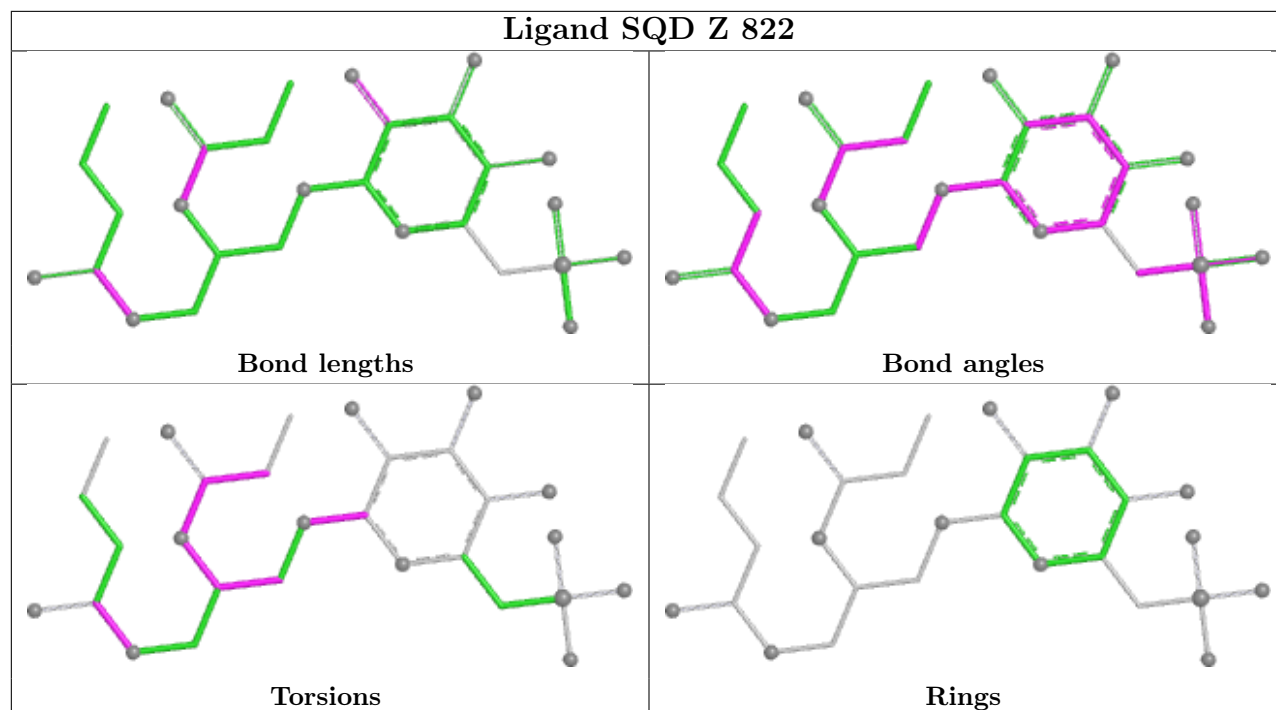


Ligand CLA l 509

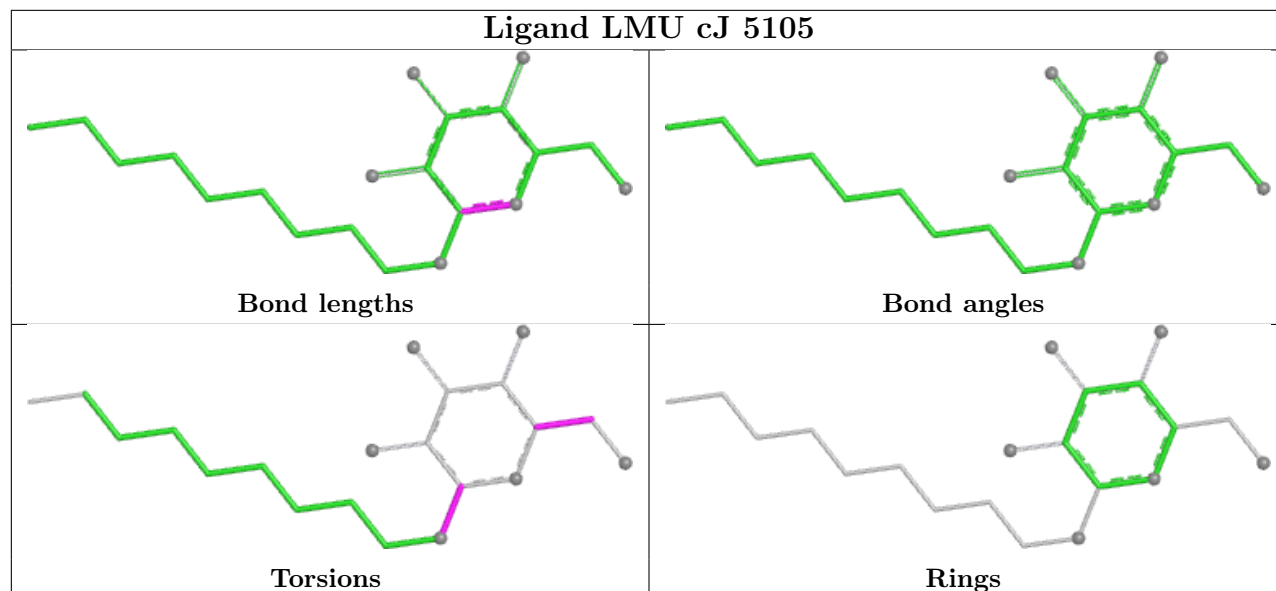




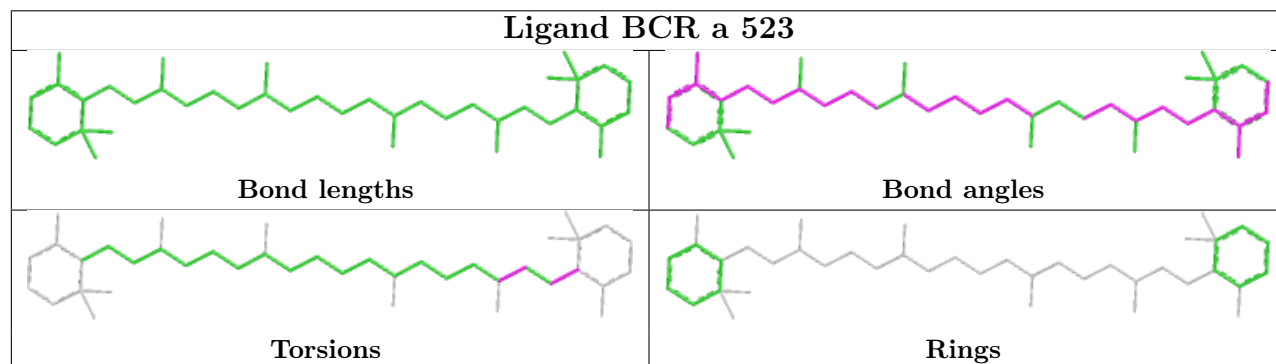
Ligand SQD Z 822

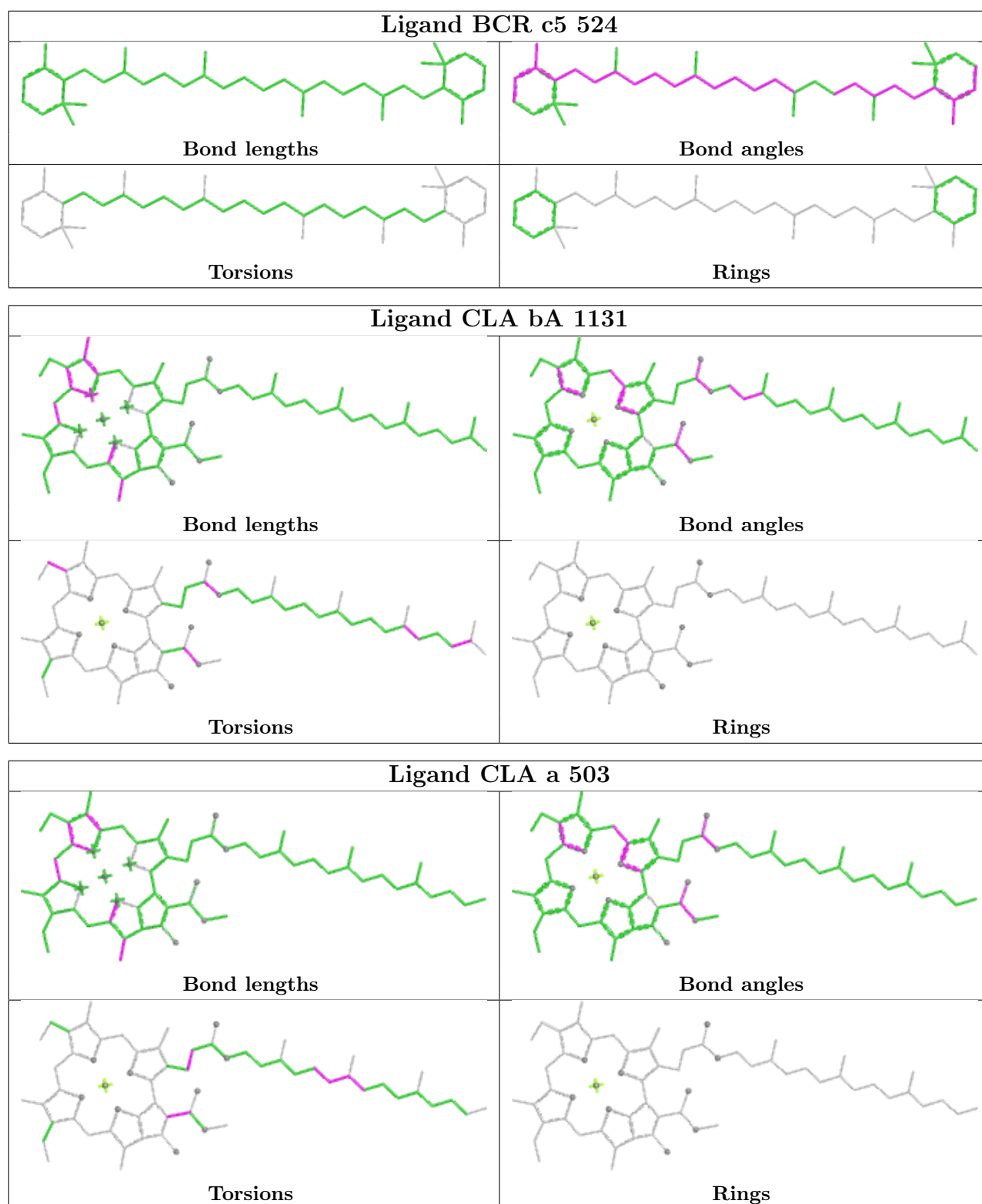


Ligand LMU cJ 5105

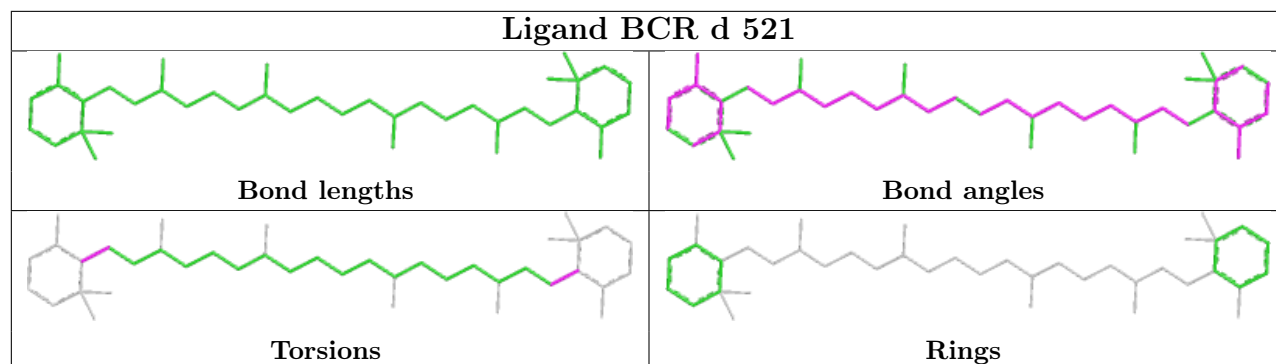


Ligand BCR a 523

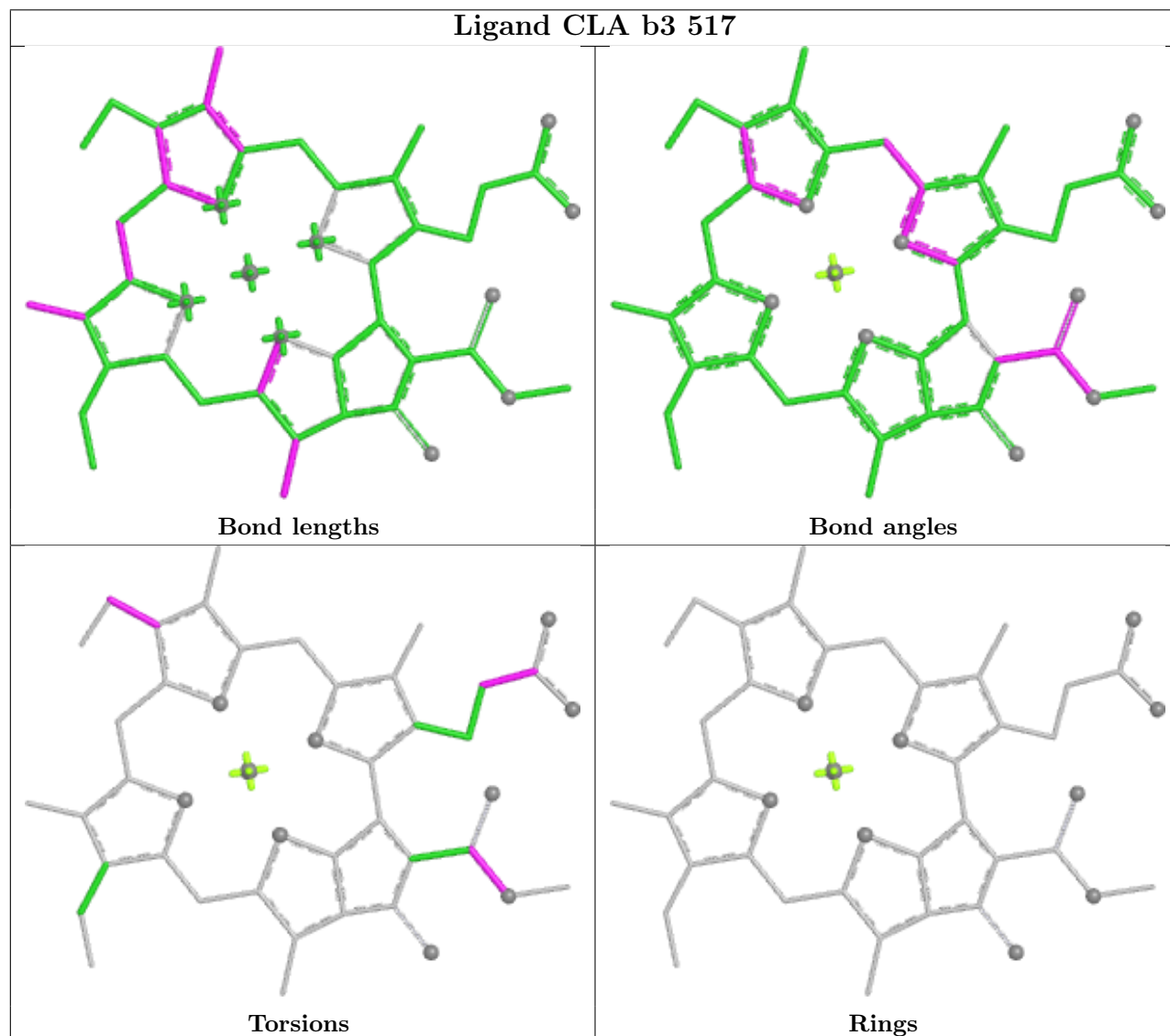




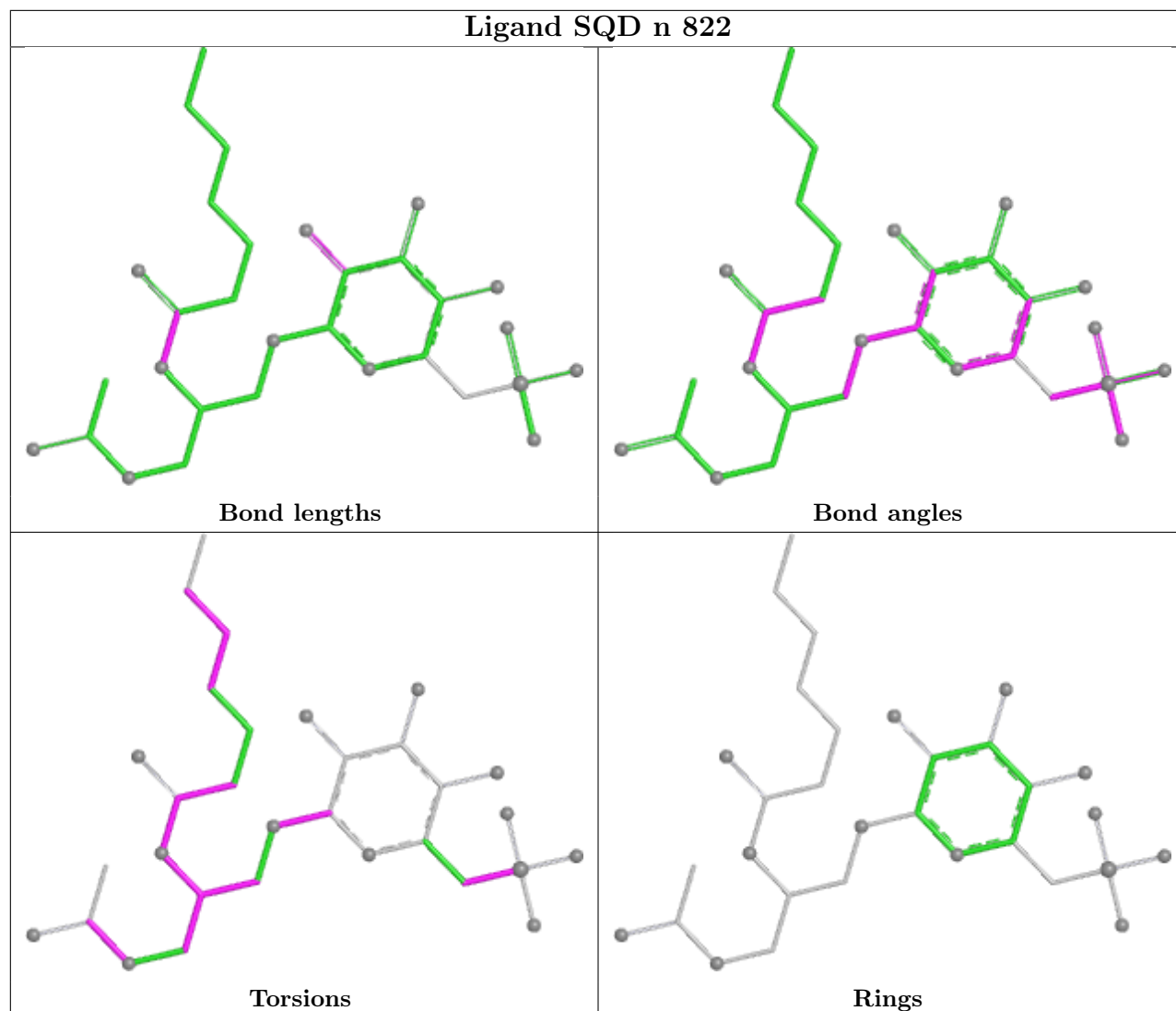
Ligand BCR d 521



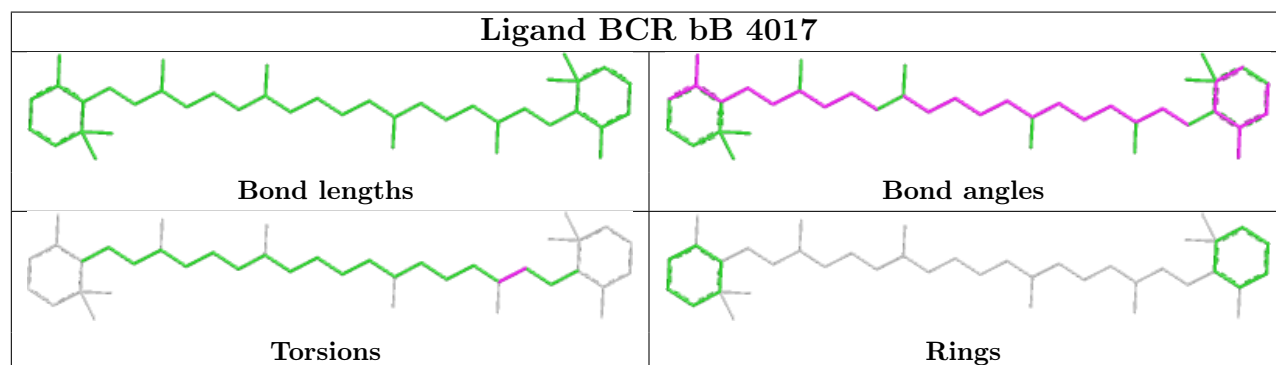
Ligand CLA b3 517

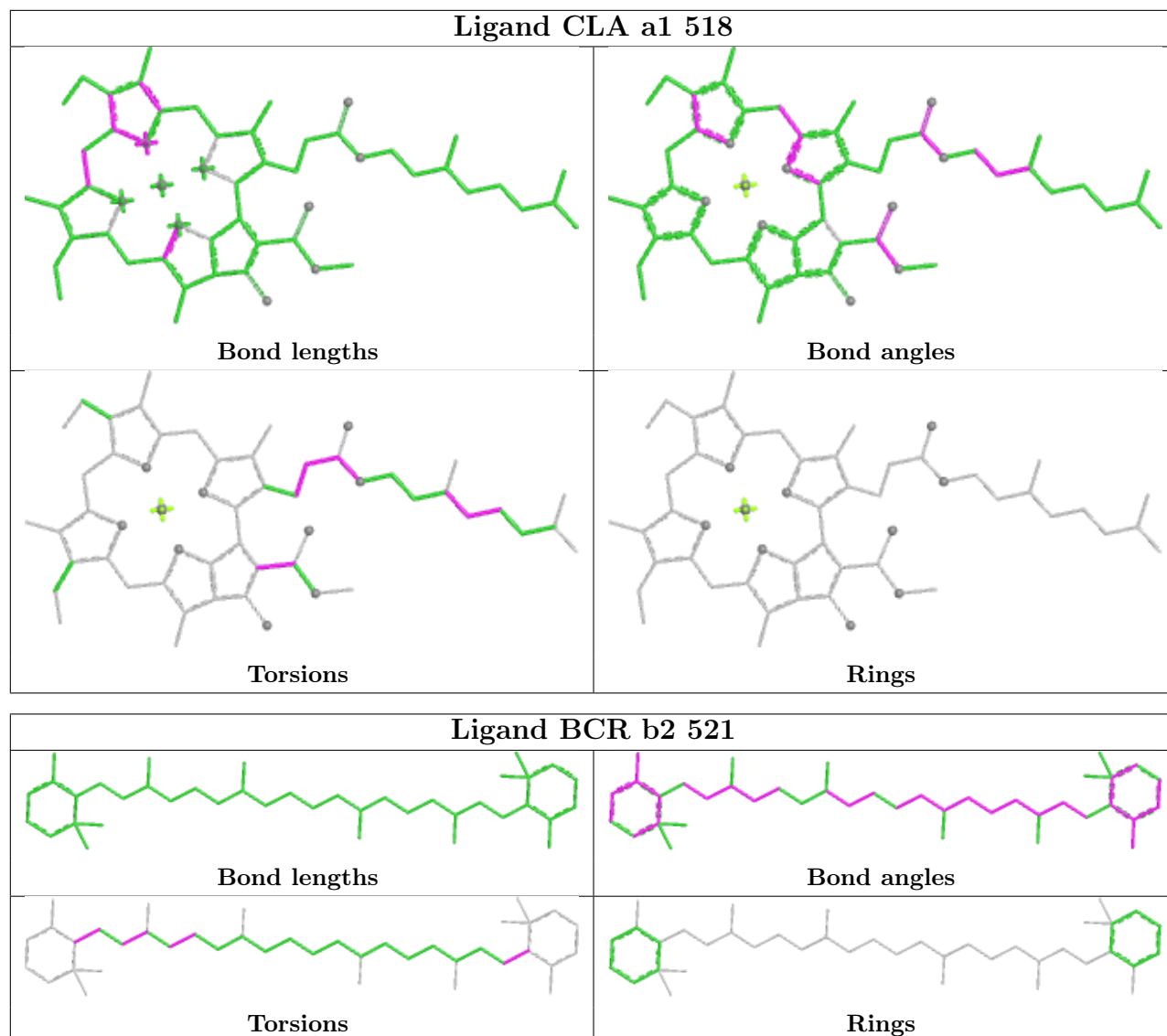


Ligand SQD n 822

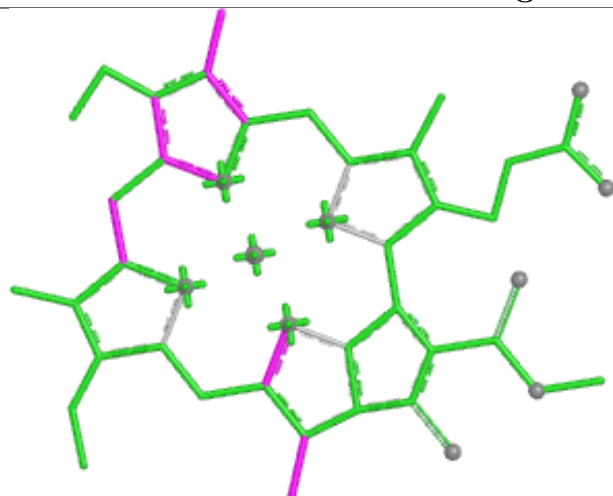


Ligand BCR bB 4017

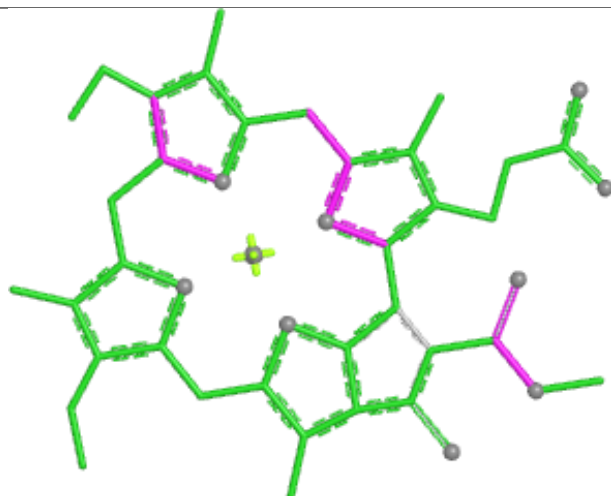




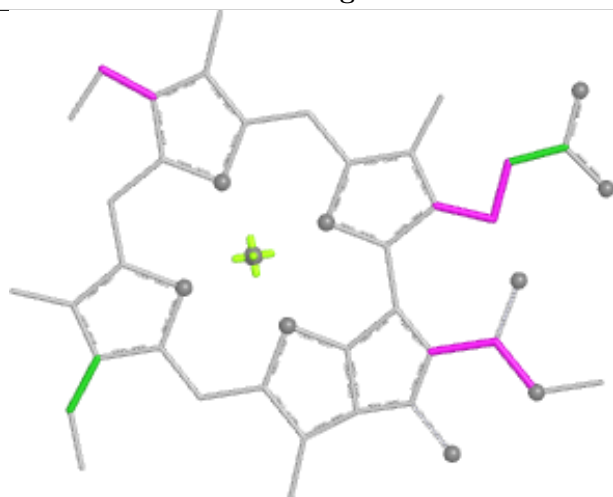
Ligand CLA Z 516



Bond lengths



Bond angles

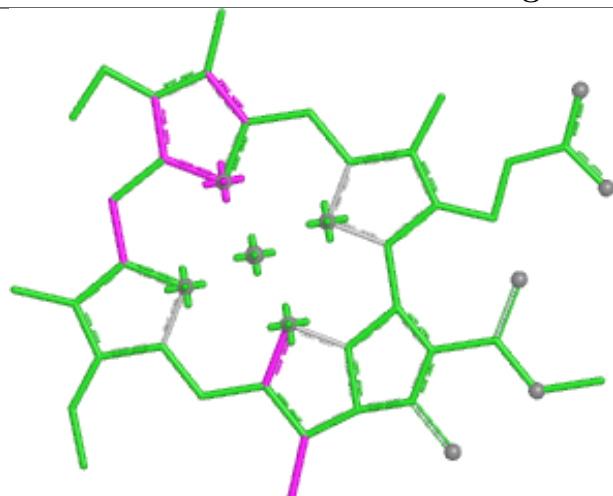


Torsions

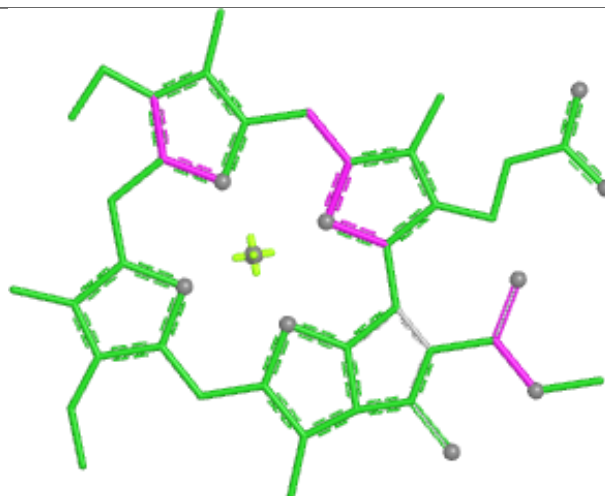


Rings

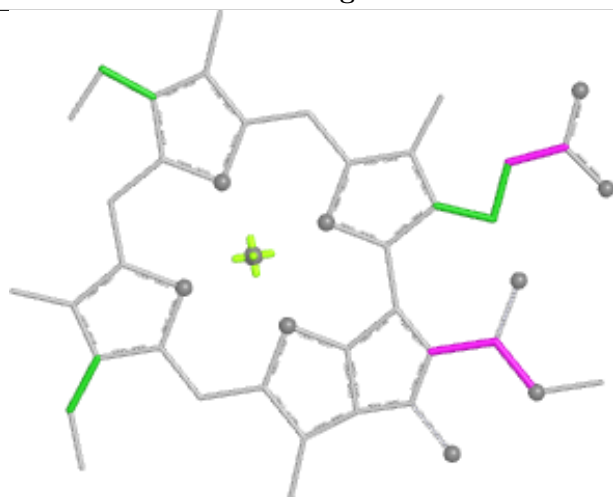
Ligand CLA 1 507



Bond lengths



Bond angles

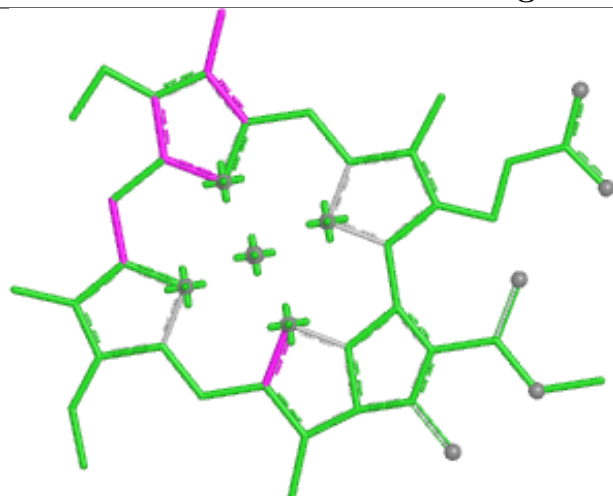


Torsions

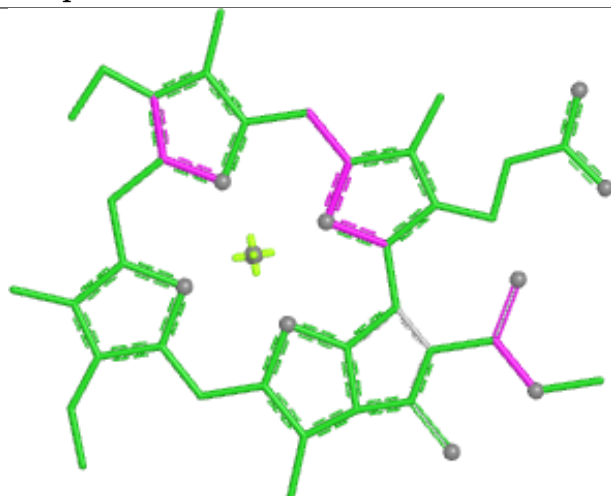


Rings

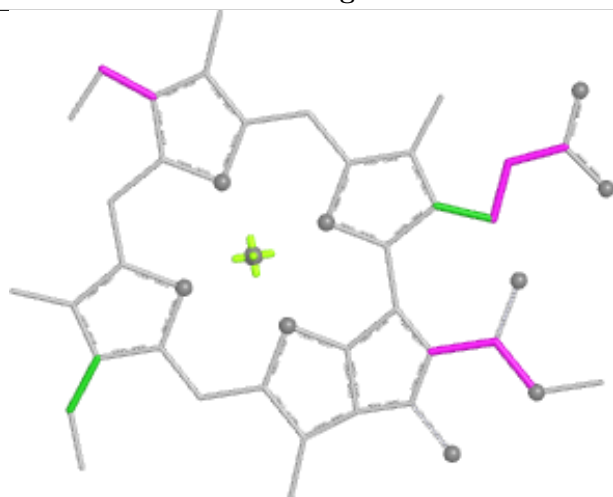
Ligand CLA q 504



Bond lengths



Bond angles

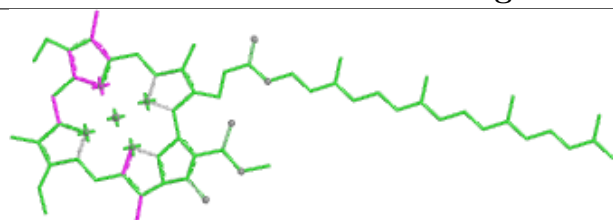


Torsions

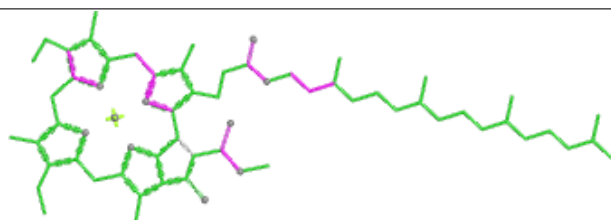


Rings

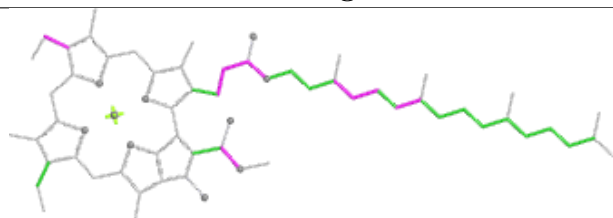
Ligand CLA bA 1237



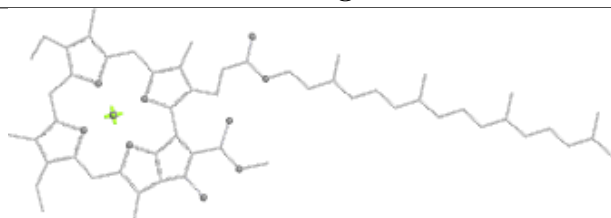
Bond lengths



Bond angles

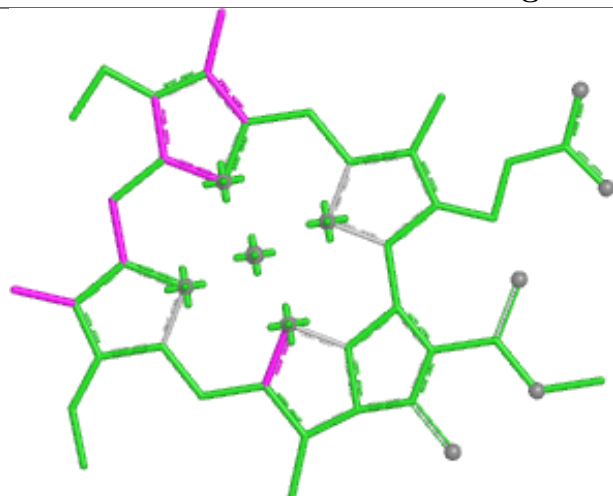


Torsions

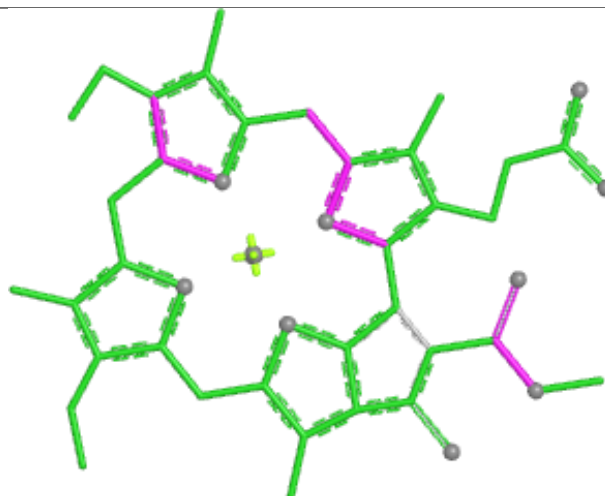


Rings

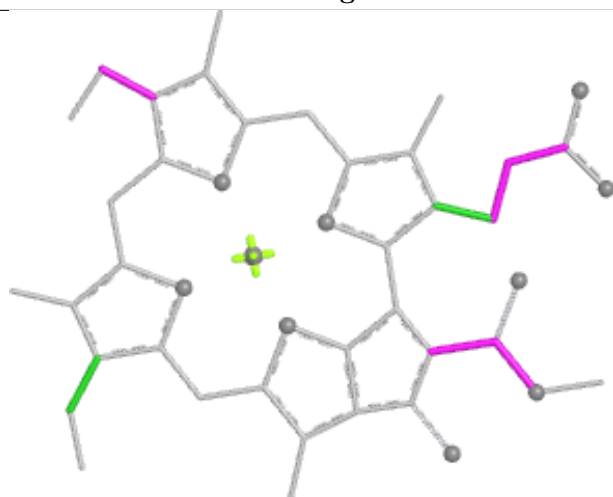
Ligand CLA f 504



Bond lengths



Bond angles

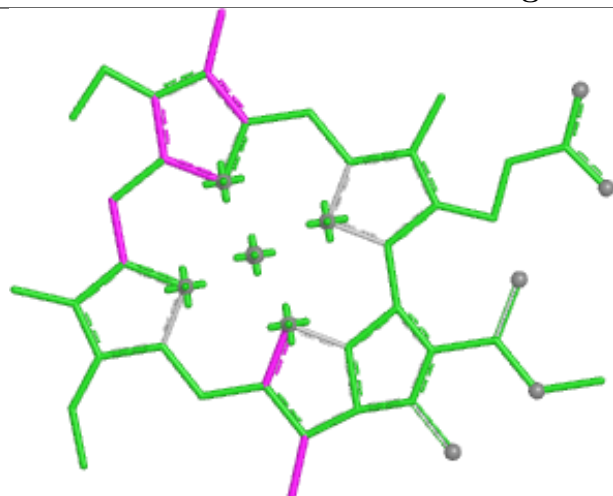


Torsions

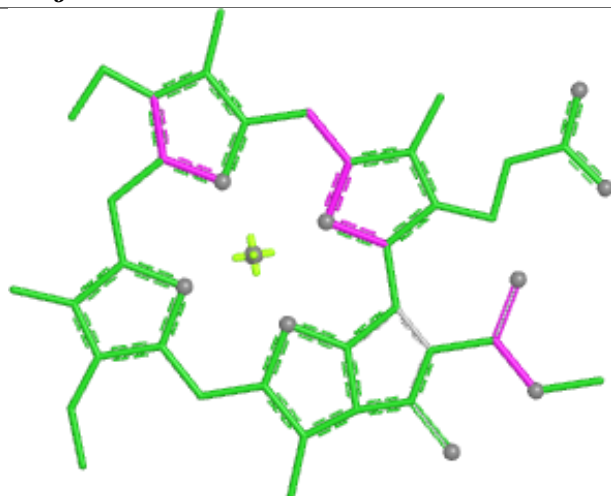


Rings

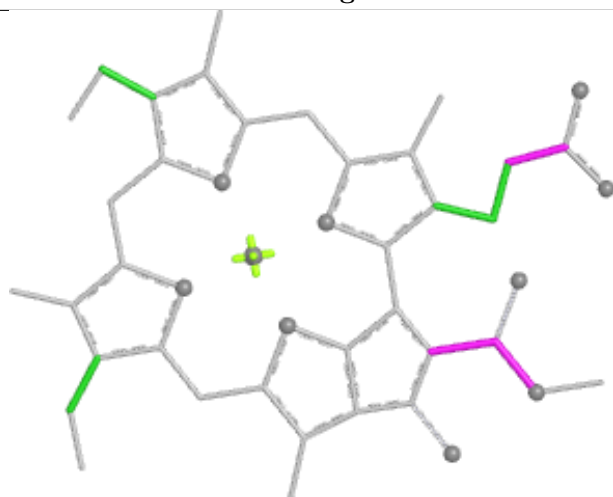
Ligand CLA j 512



Bond lengths



Bond angles

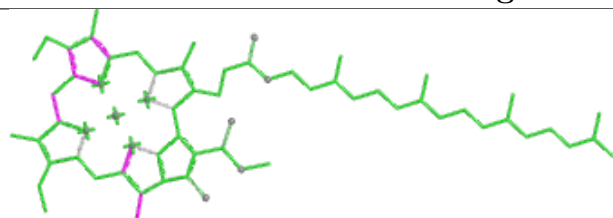


Torsions

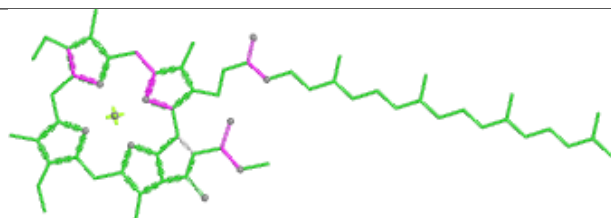


Rings

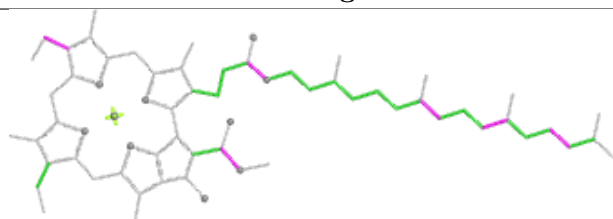
Ligand CLA cA 1109



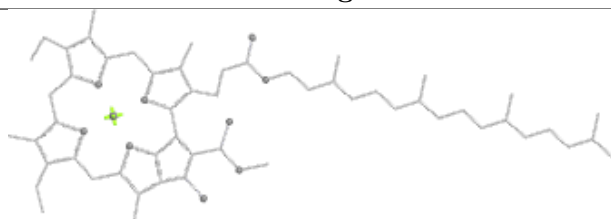
Bond lengths



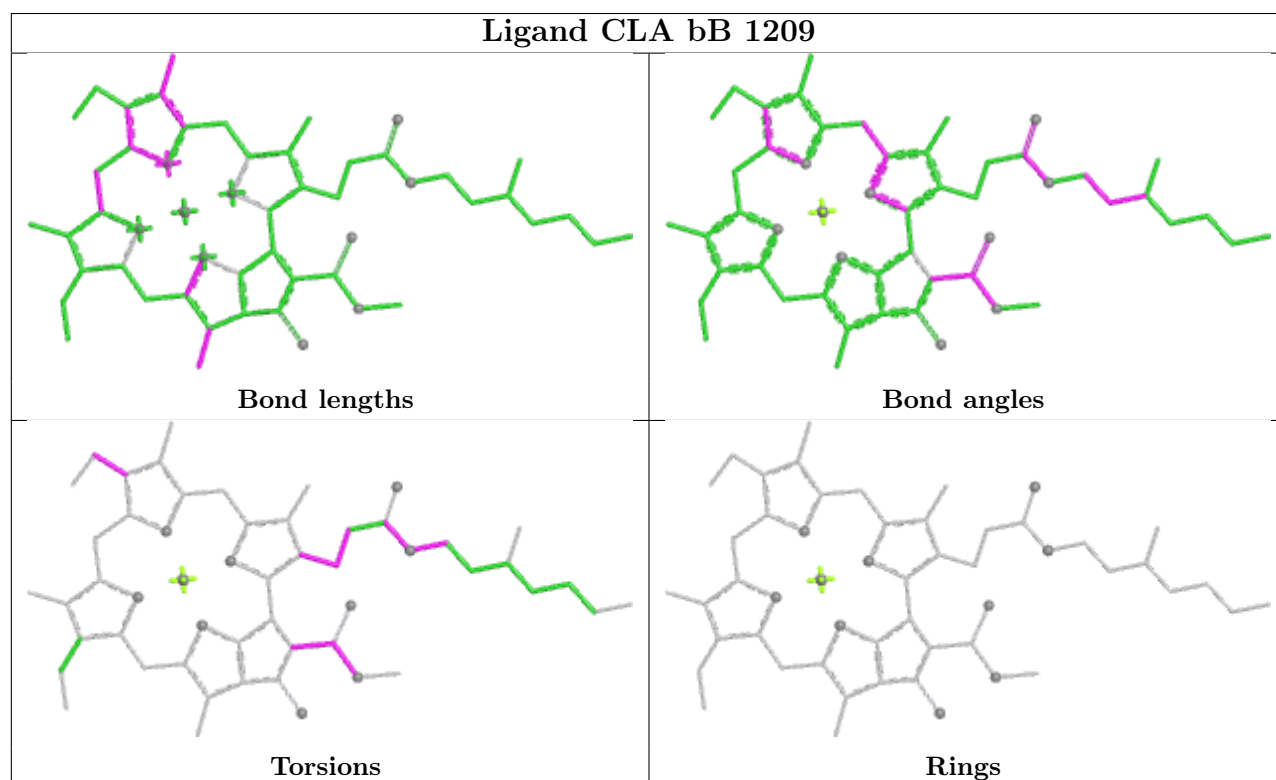
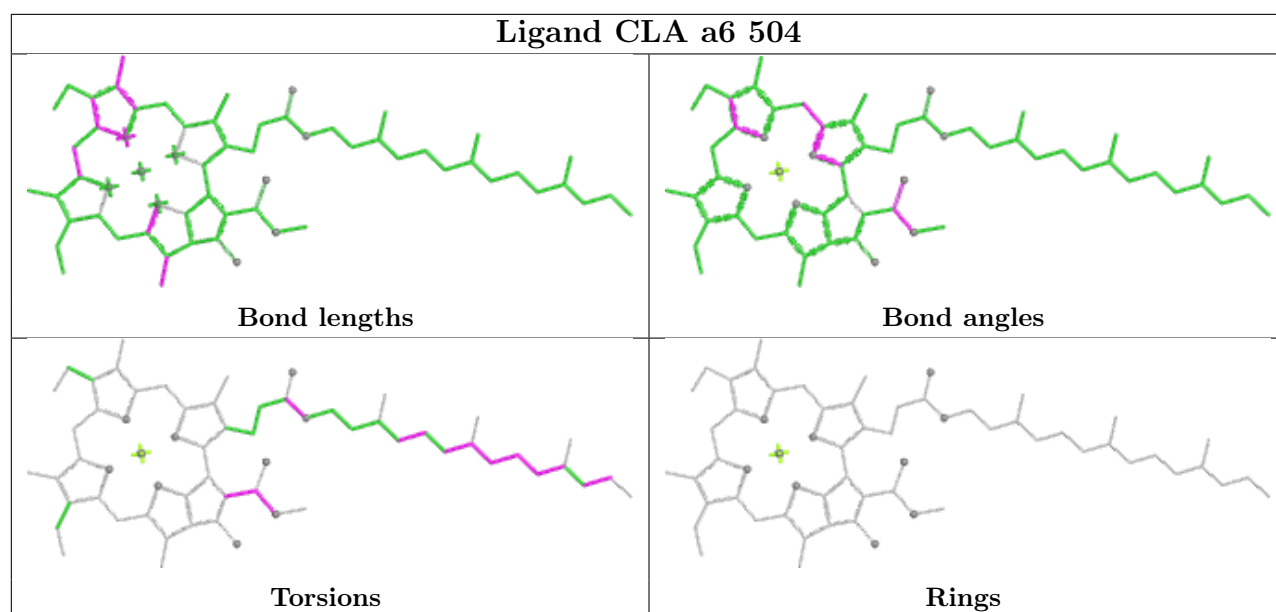
Bond angles



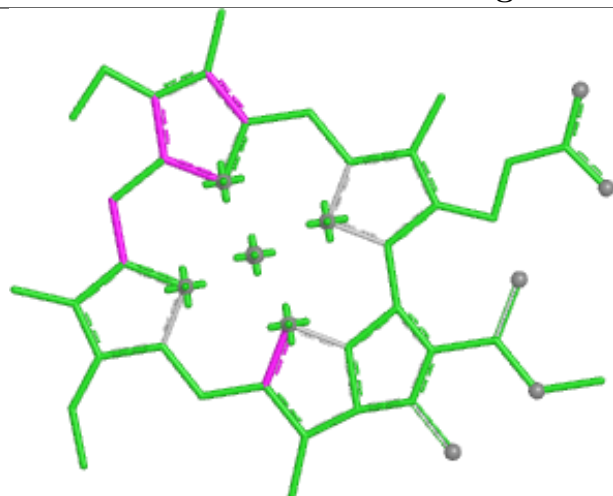
Torsions



Rings



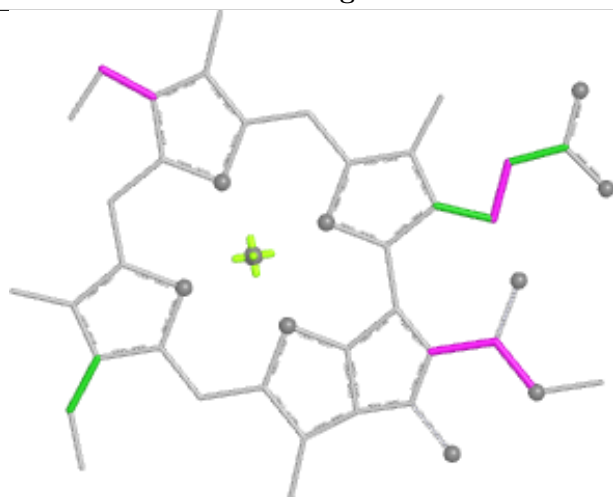
Ligand CLA aX 1401



Bond lengths



Bond angles

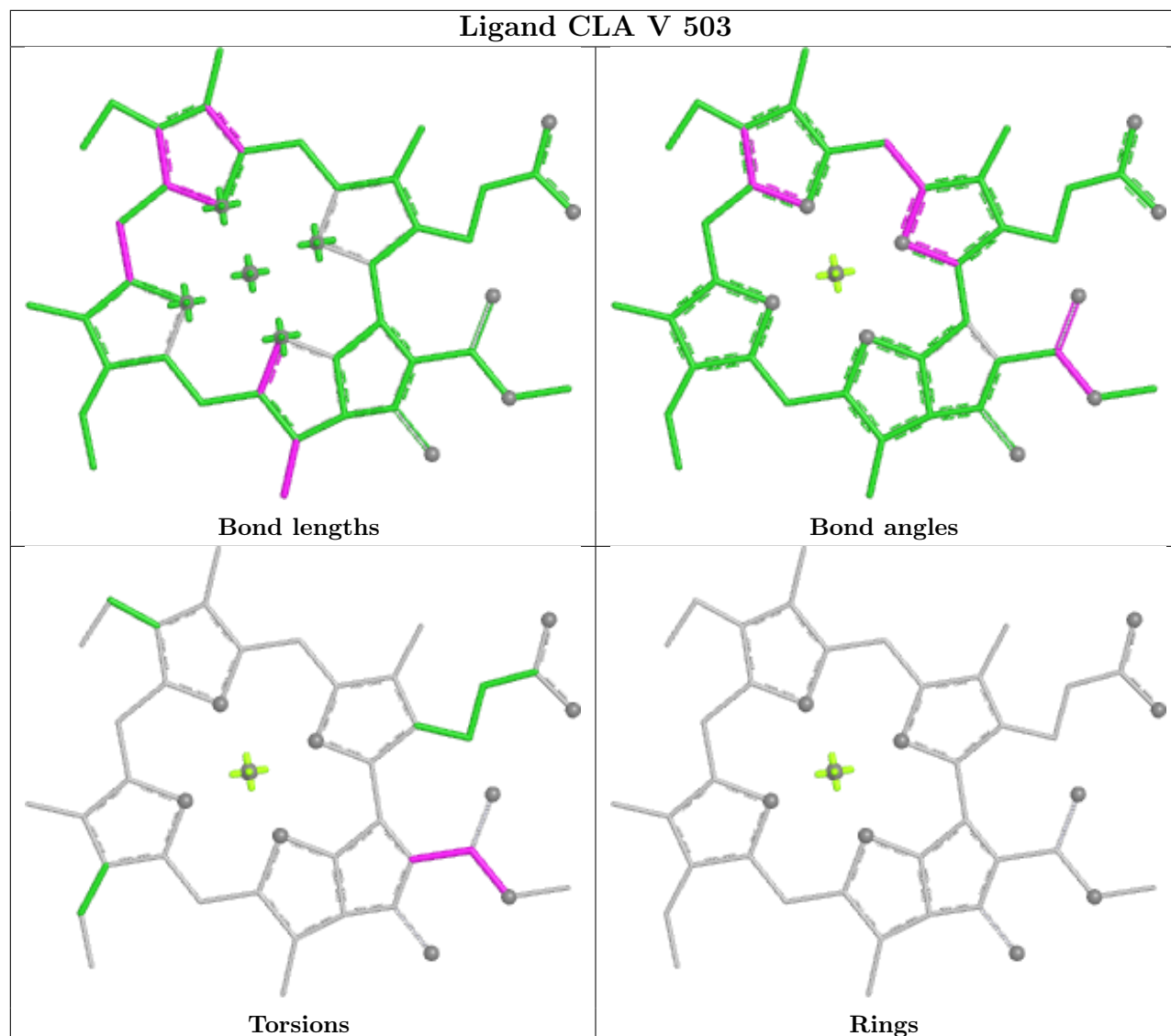


Torsions

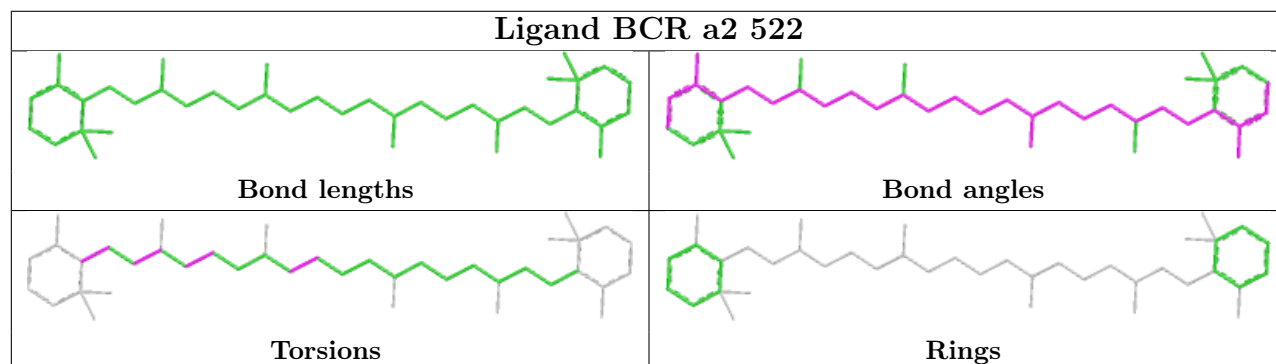


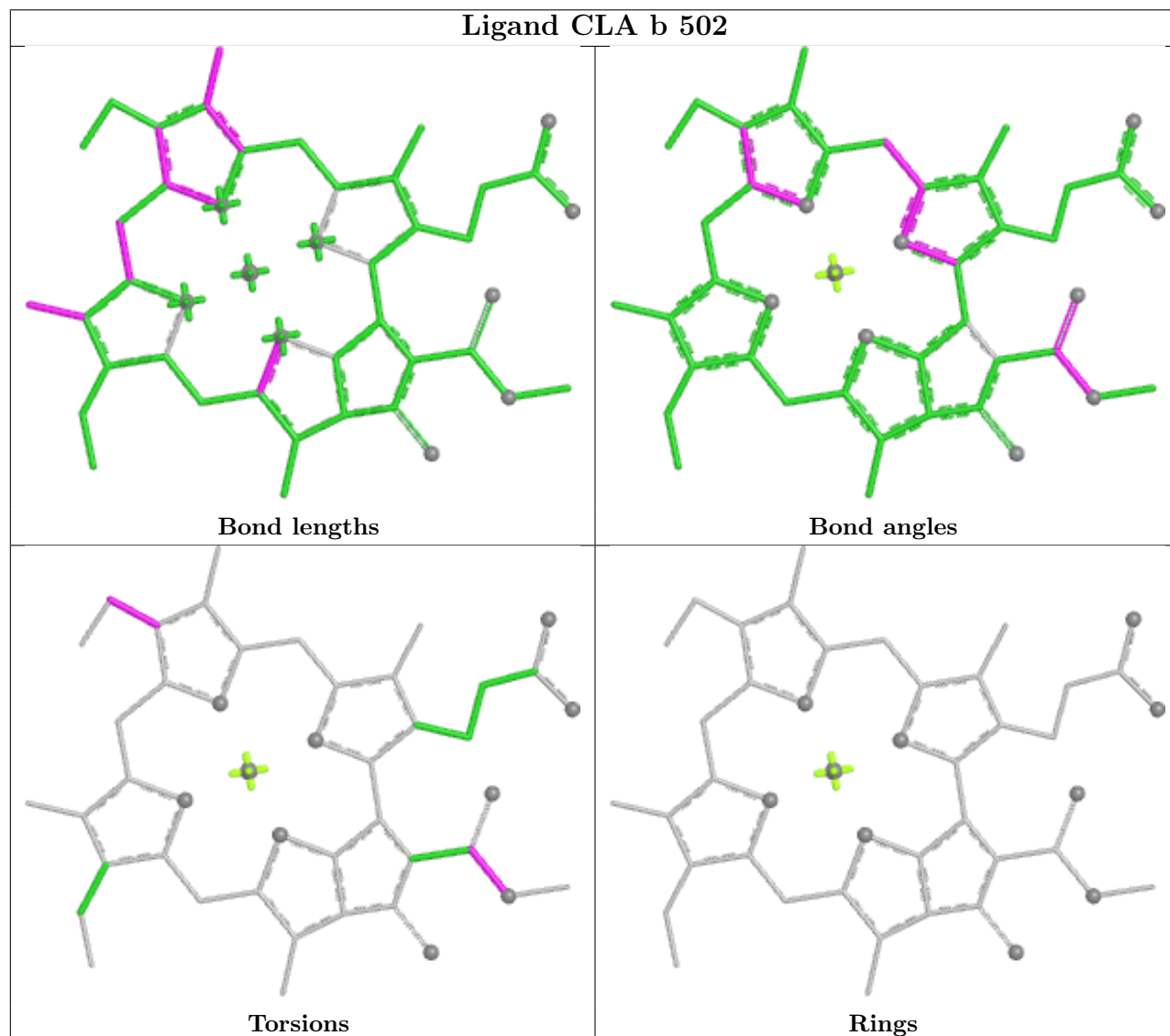
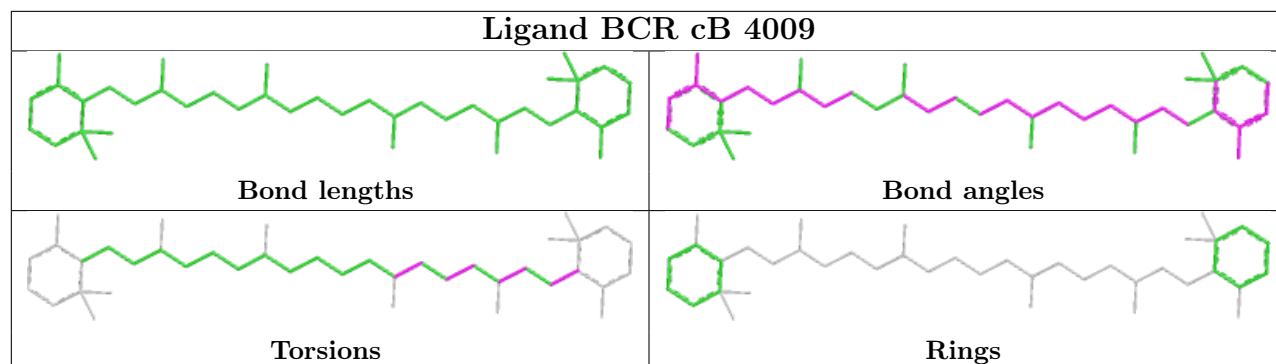
Rings

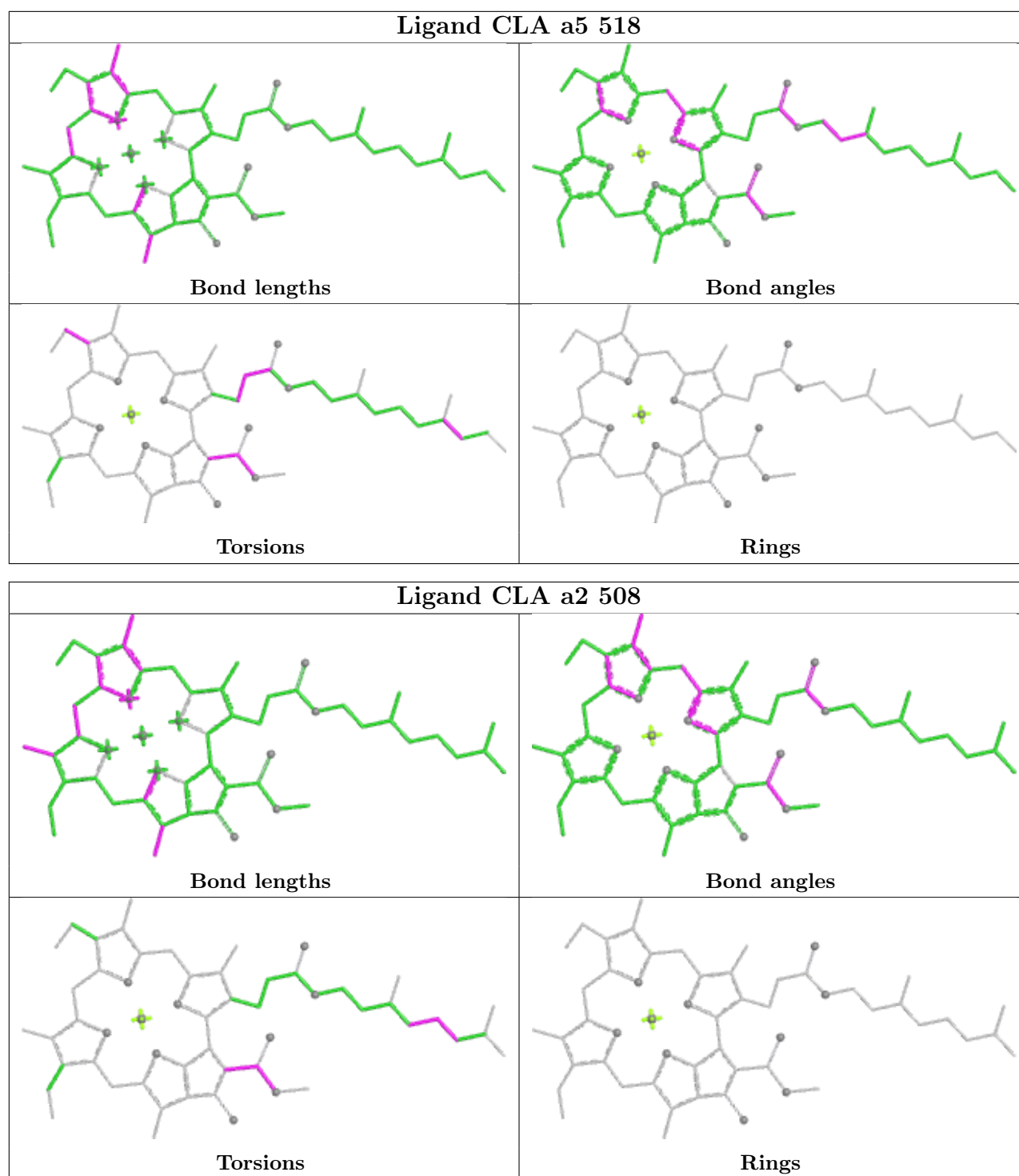
Ligand CLA V 503

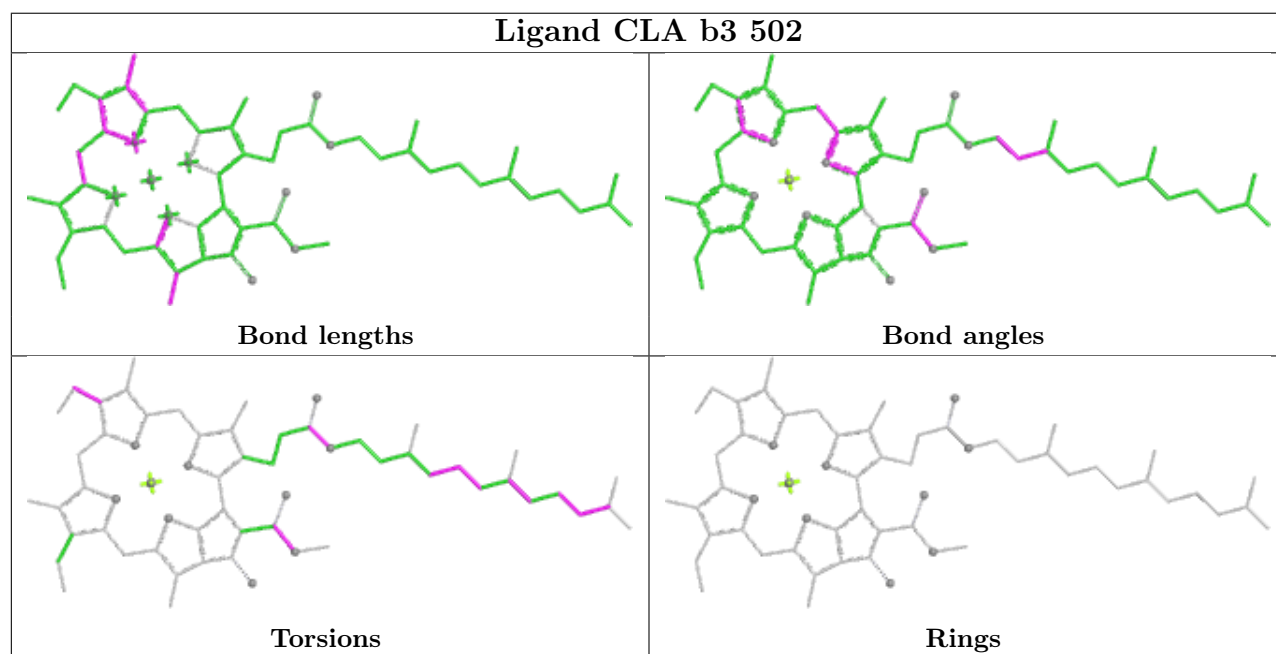
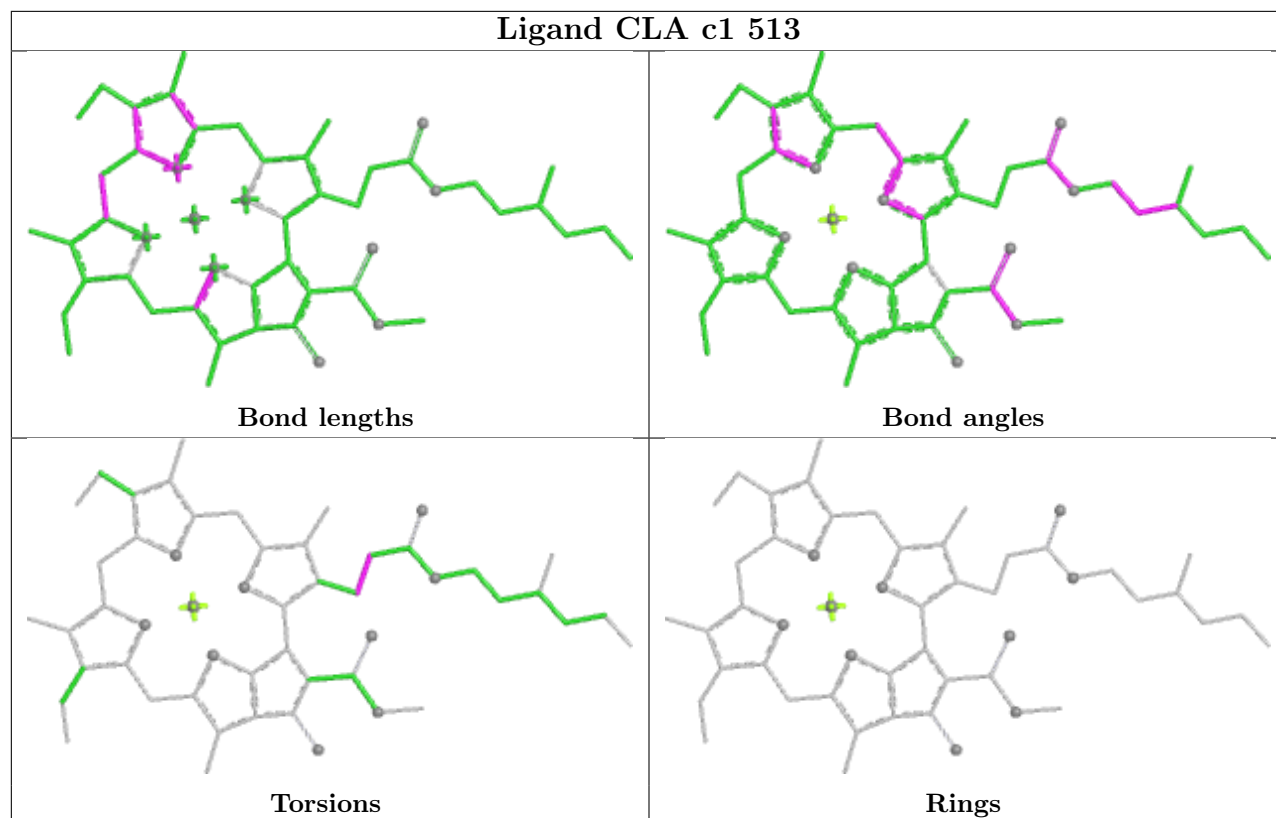


Ligand BCR a2 522

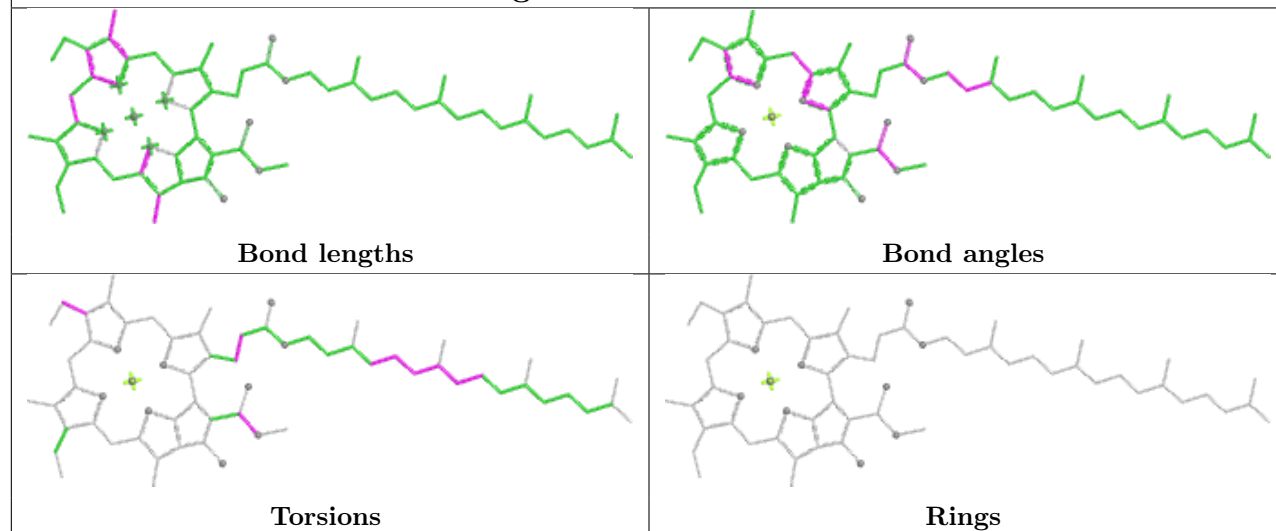




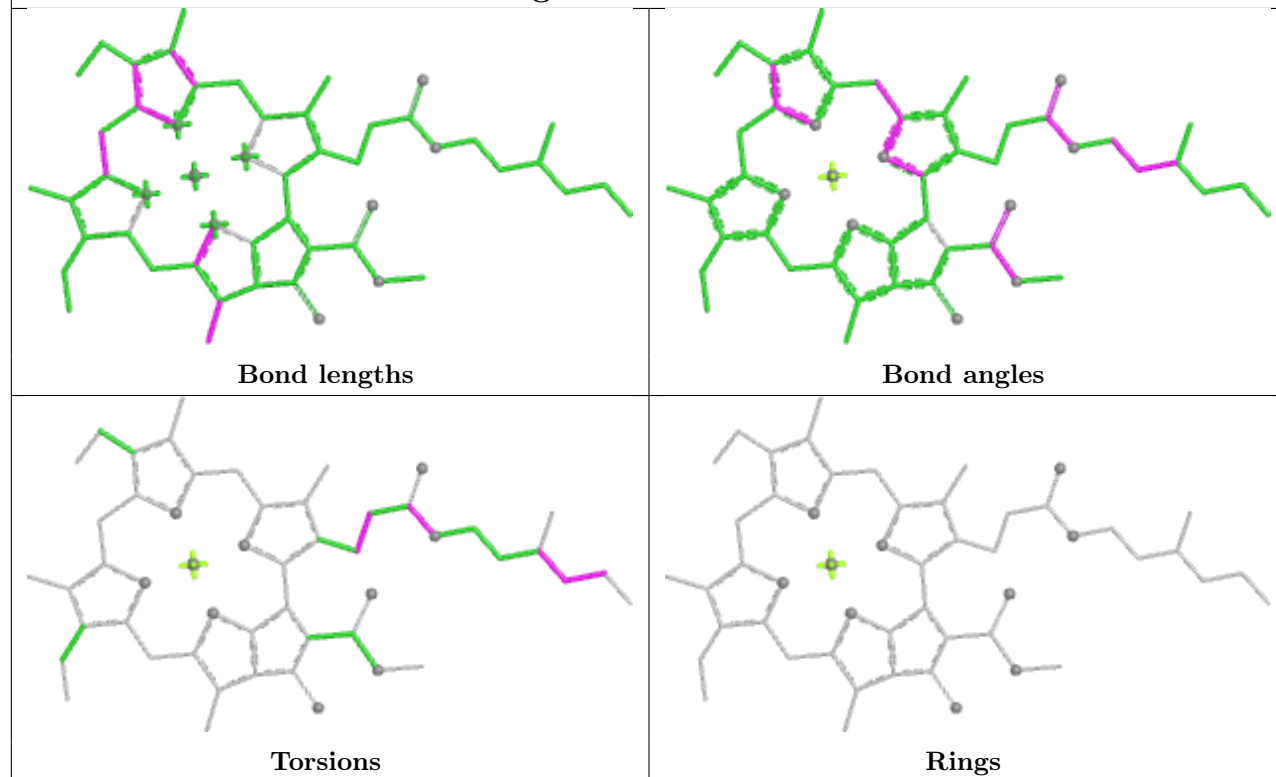


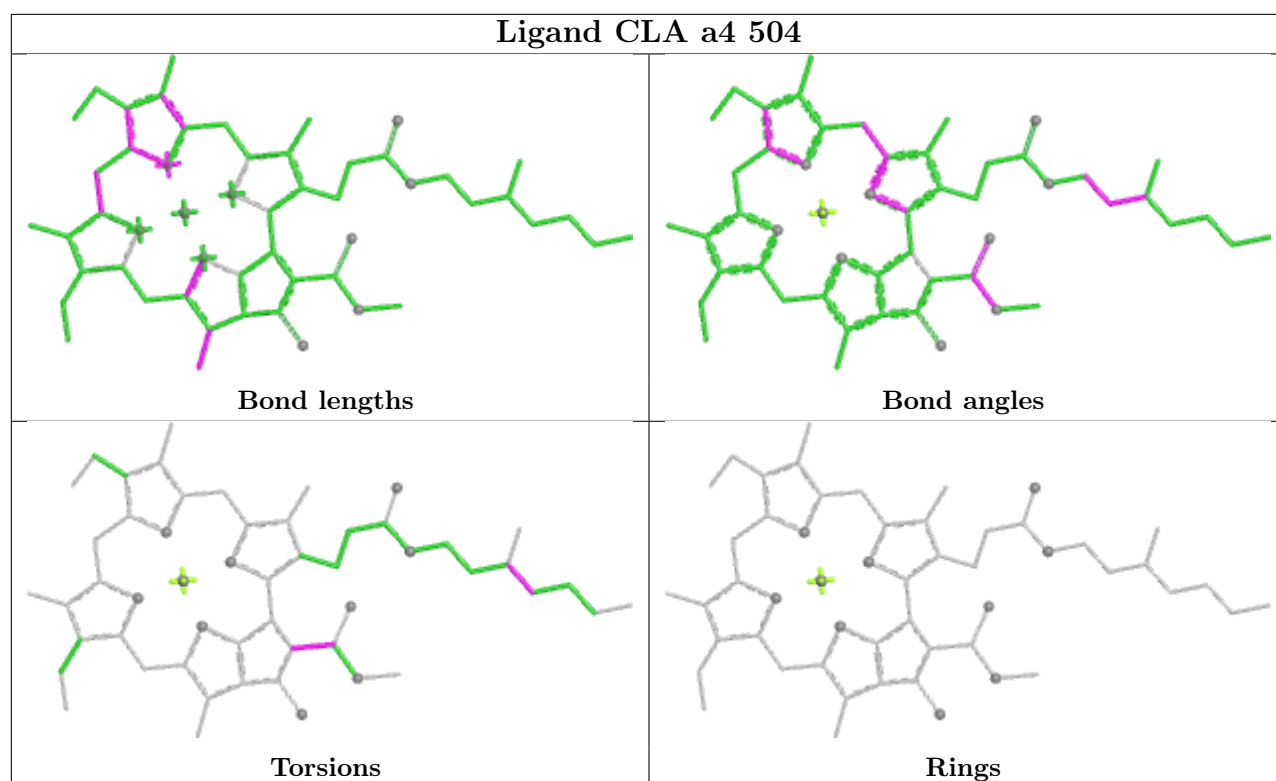


Ligand CLA bA 1138

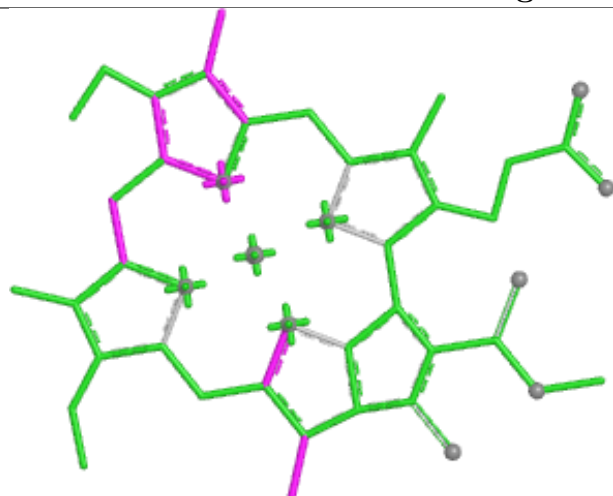


Ligand CLA T 505





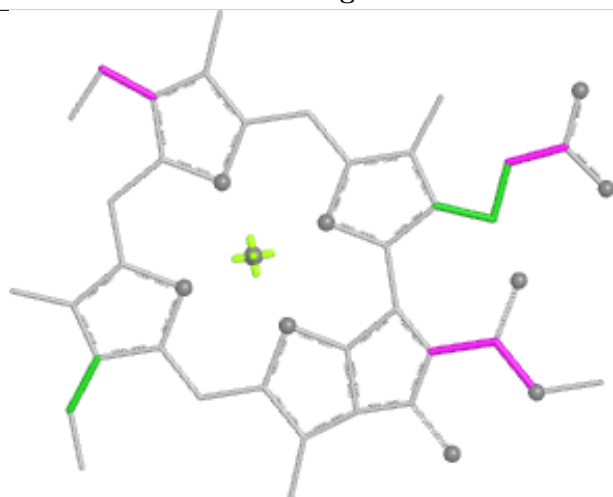
Ligand CLA Z 517



Bond lengths



Bond angles

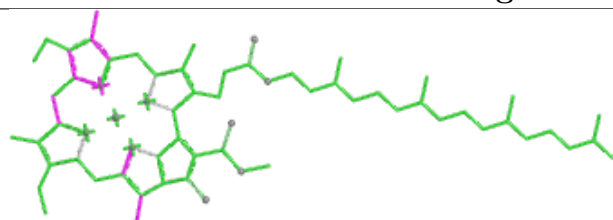


Torsions

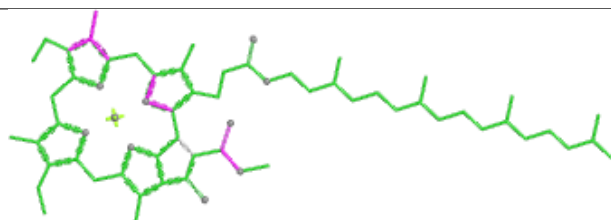


Rings

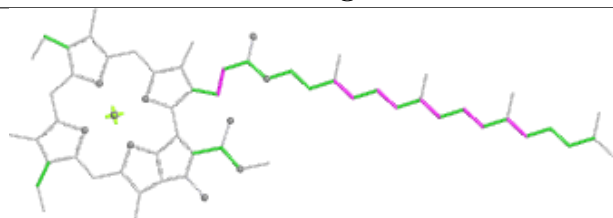
Ligand CLA aA 1022



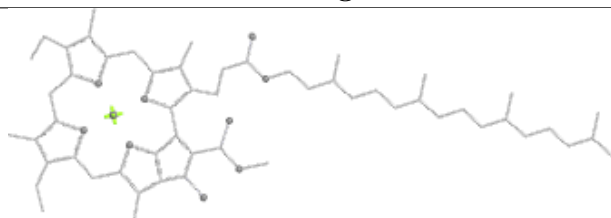
Bond lengths



Bond angles

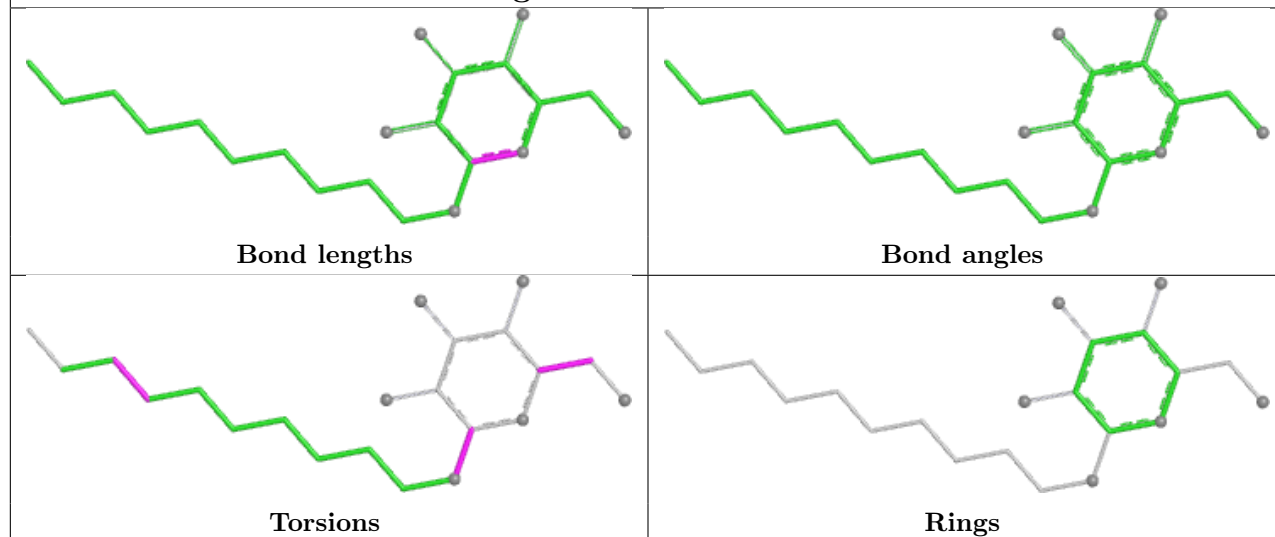


Torsions

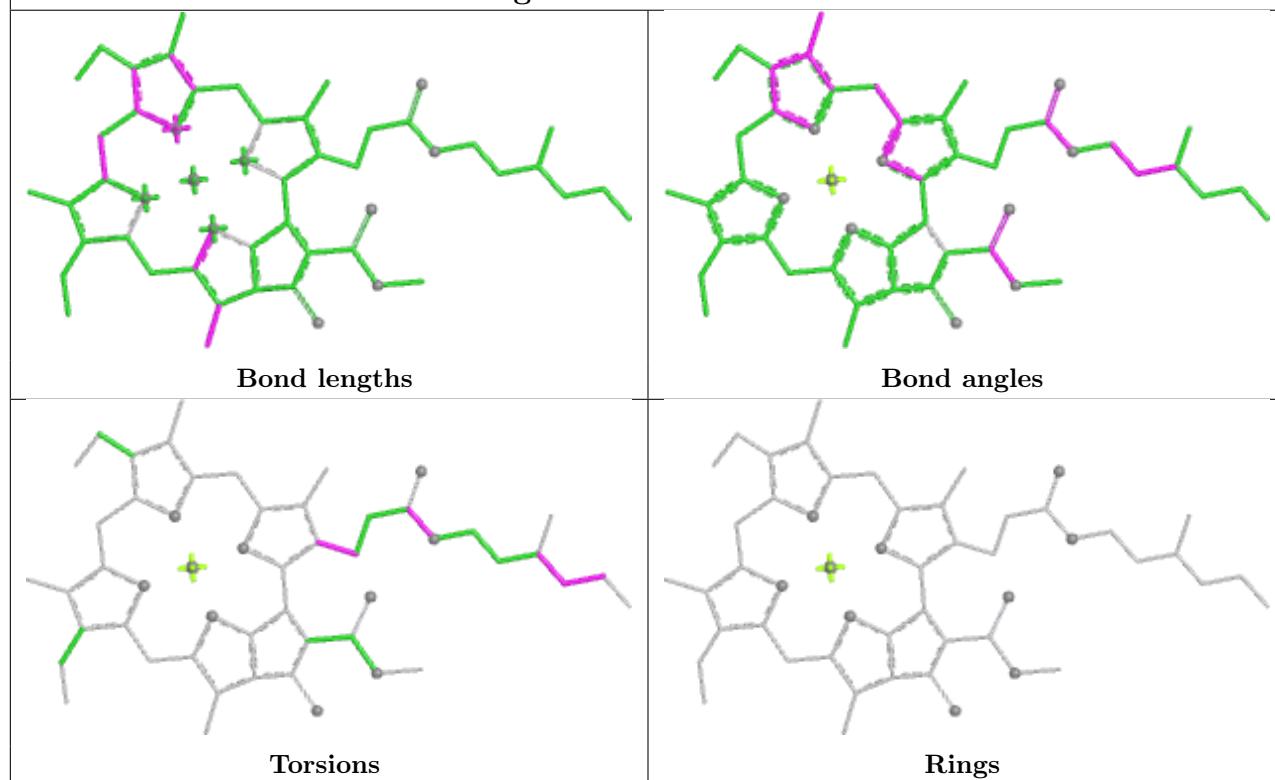


Rings

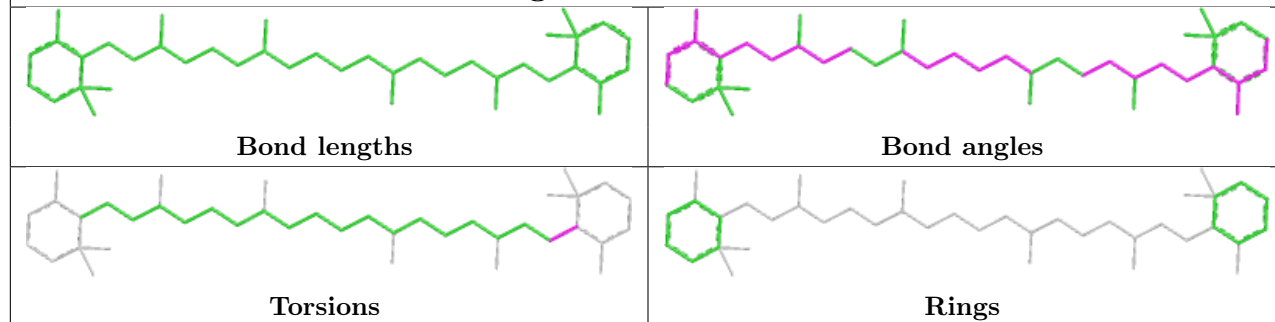
Ligand LMU aJ 5105

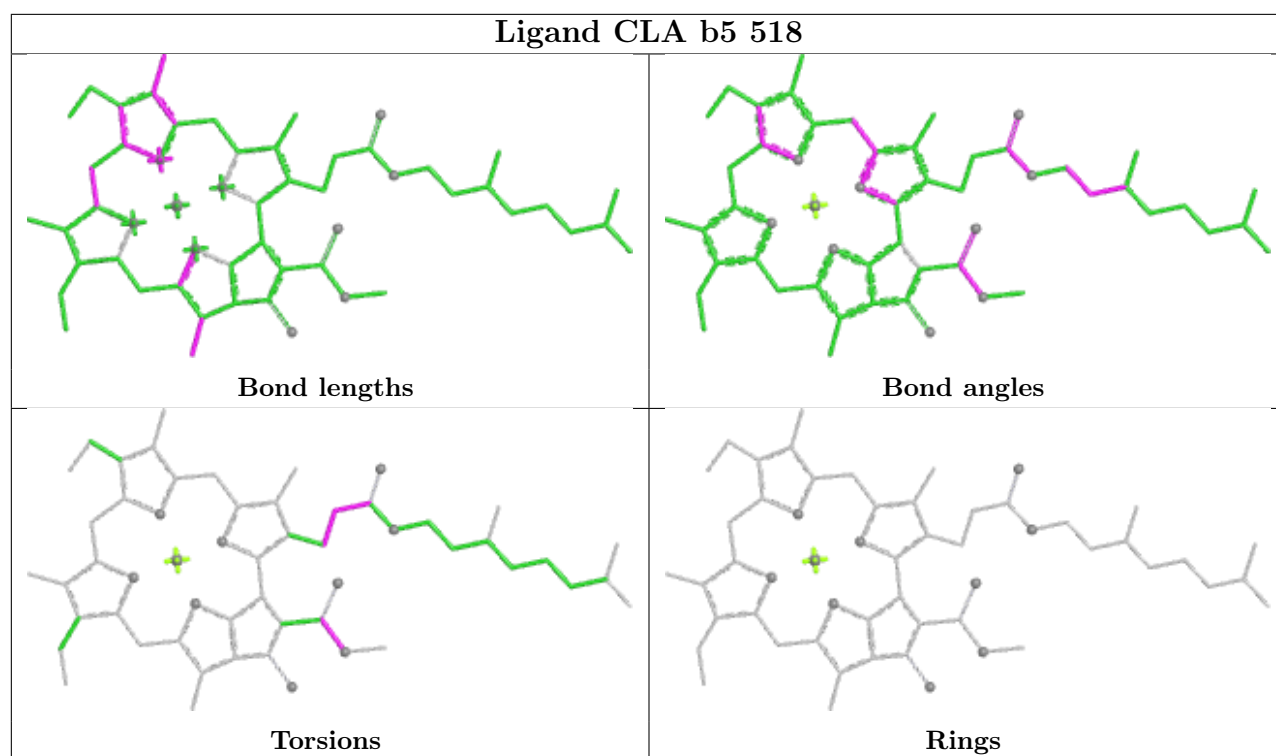


Ligand CLA cA 1130

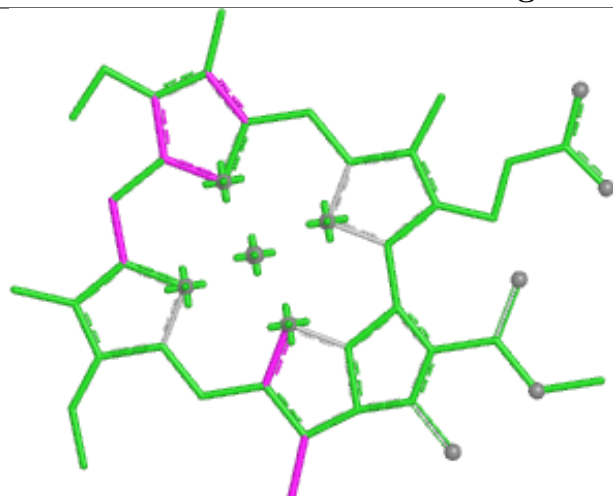


Ligand BCR Y 523

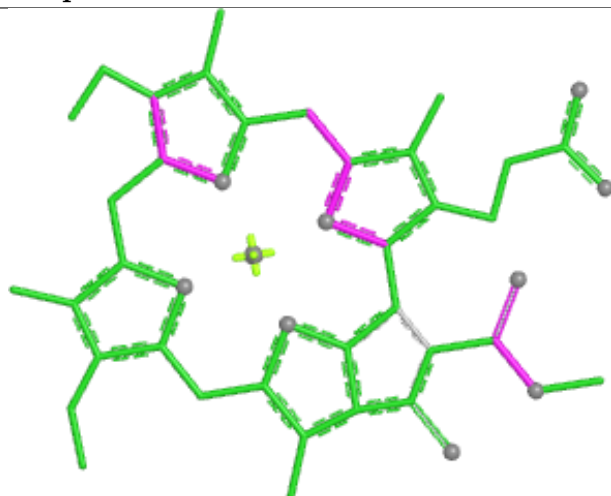




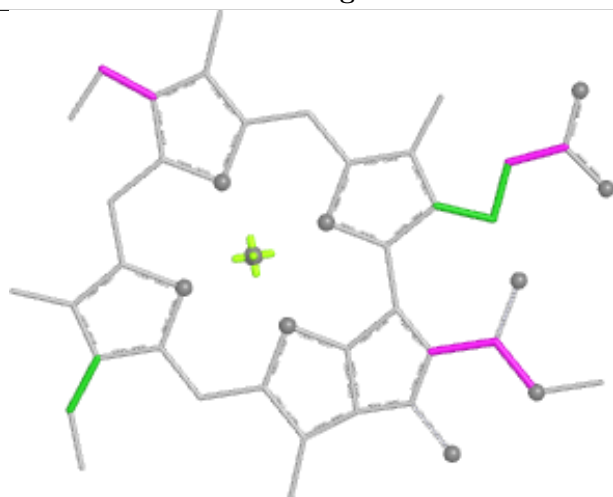
Ligand CLA q 517



Bond lengths



Bond angles

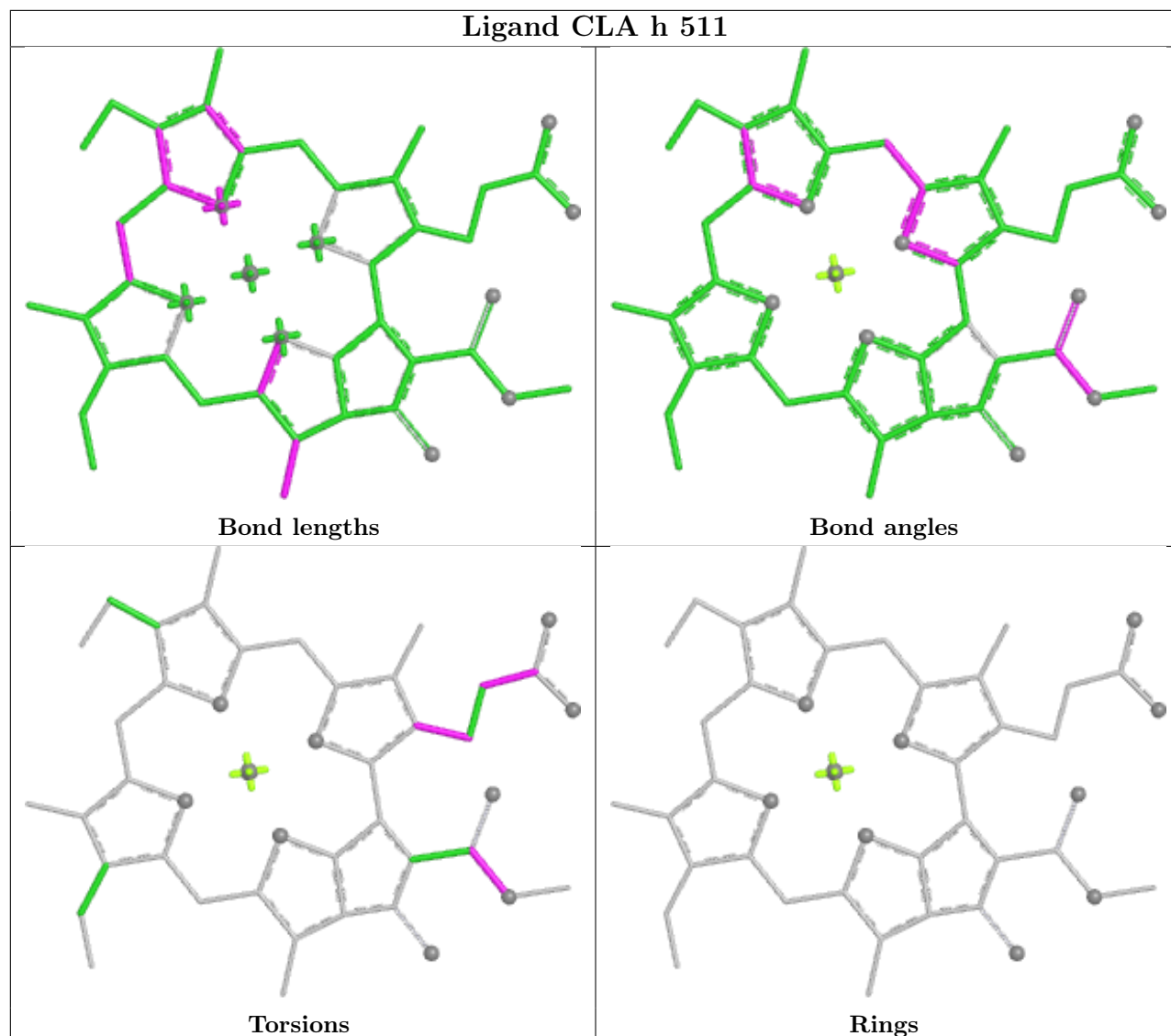


Torsions

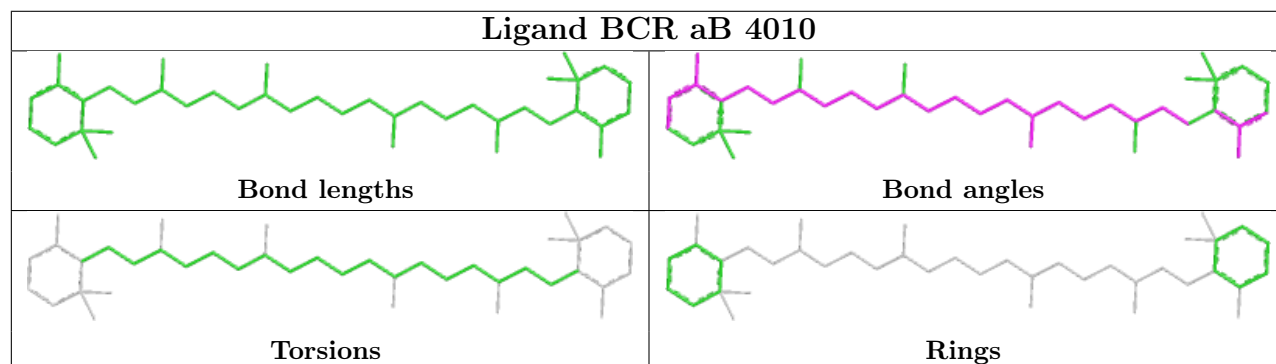


Rings

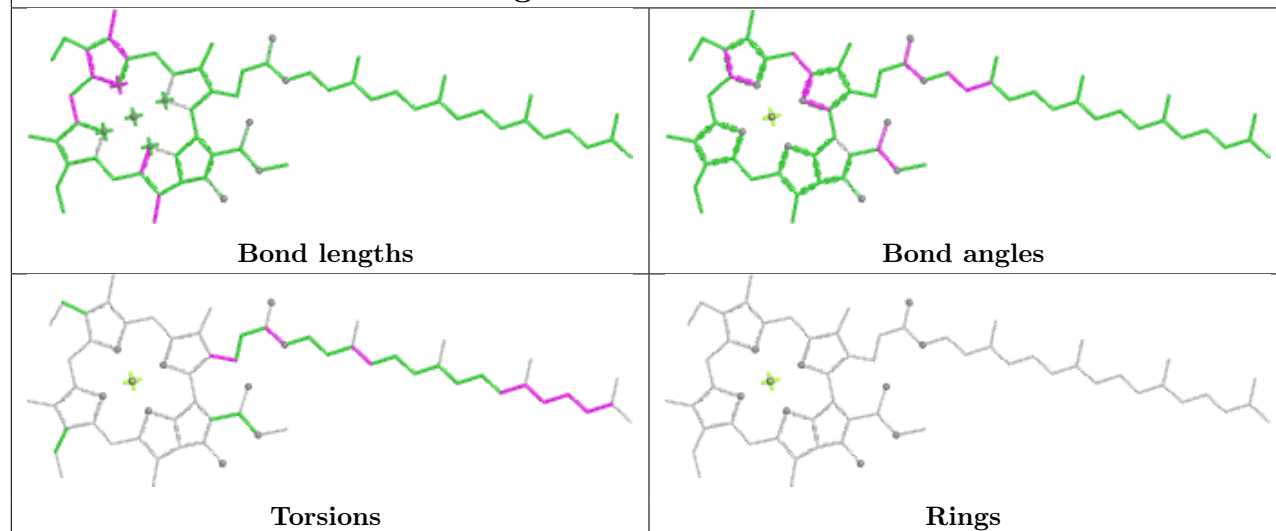
Ligand CLA h 511



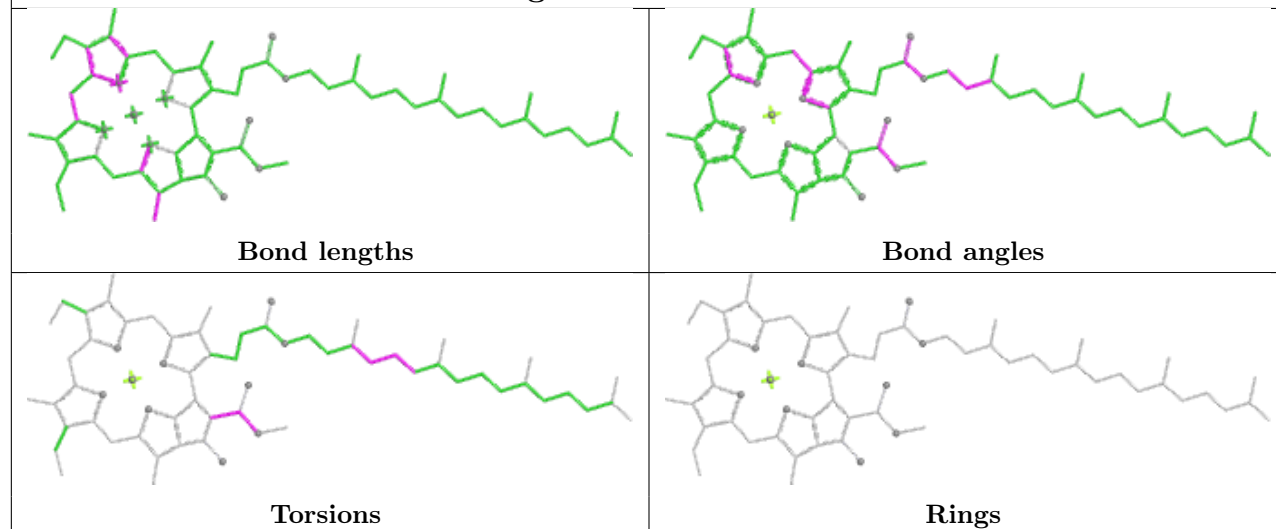
Ligand BCR aB 4010



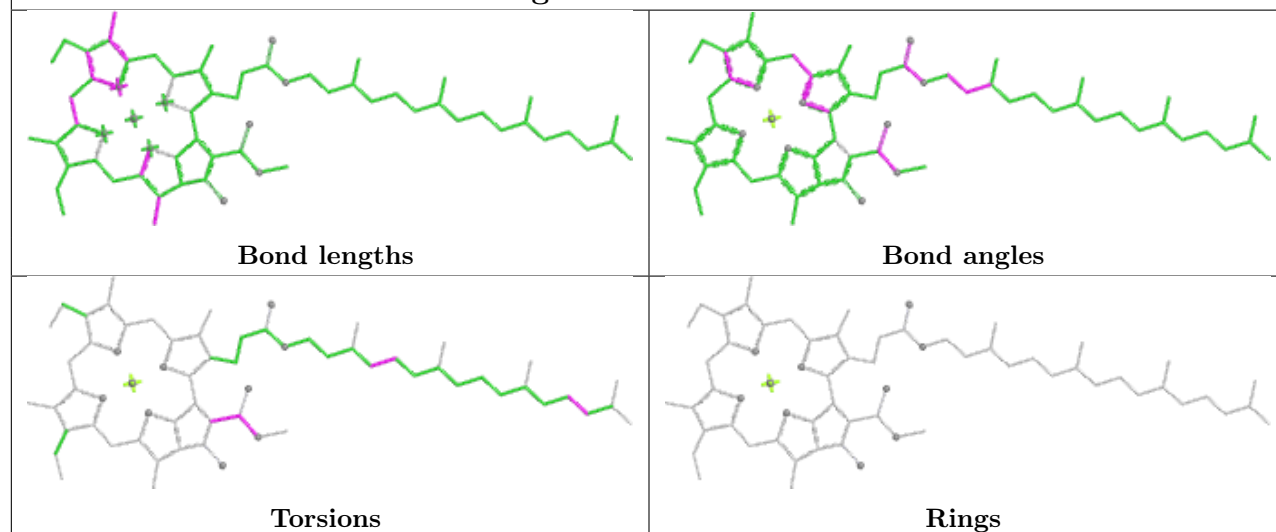
Ligand CLA aA 1117

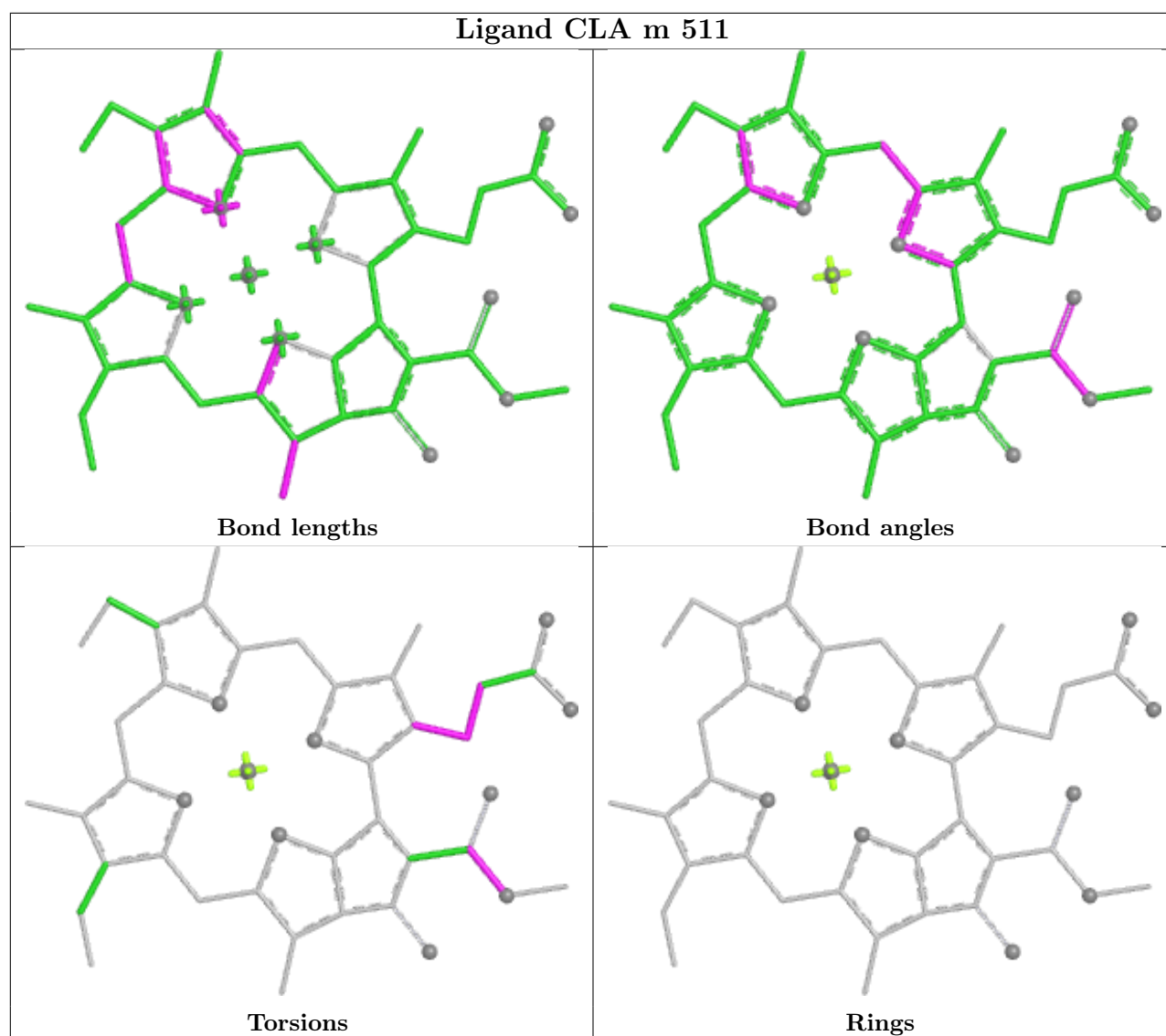


Ligand CLA aI 510

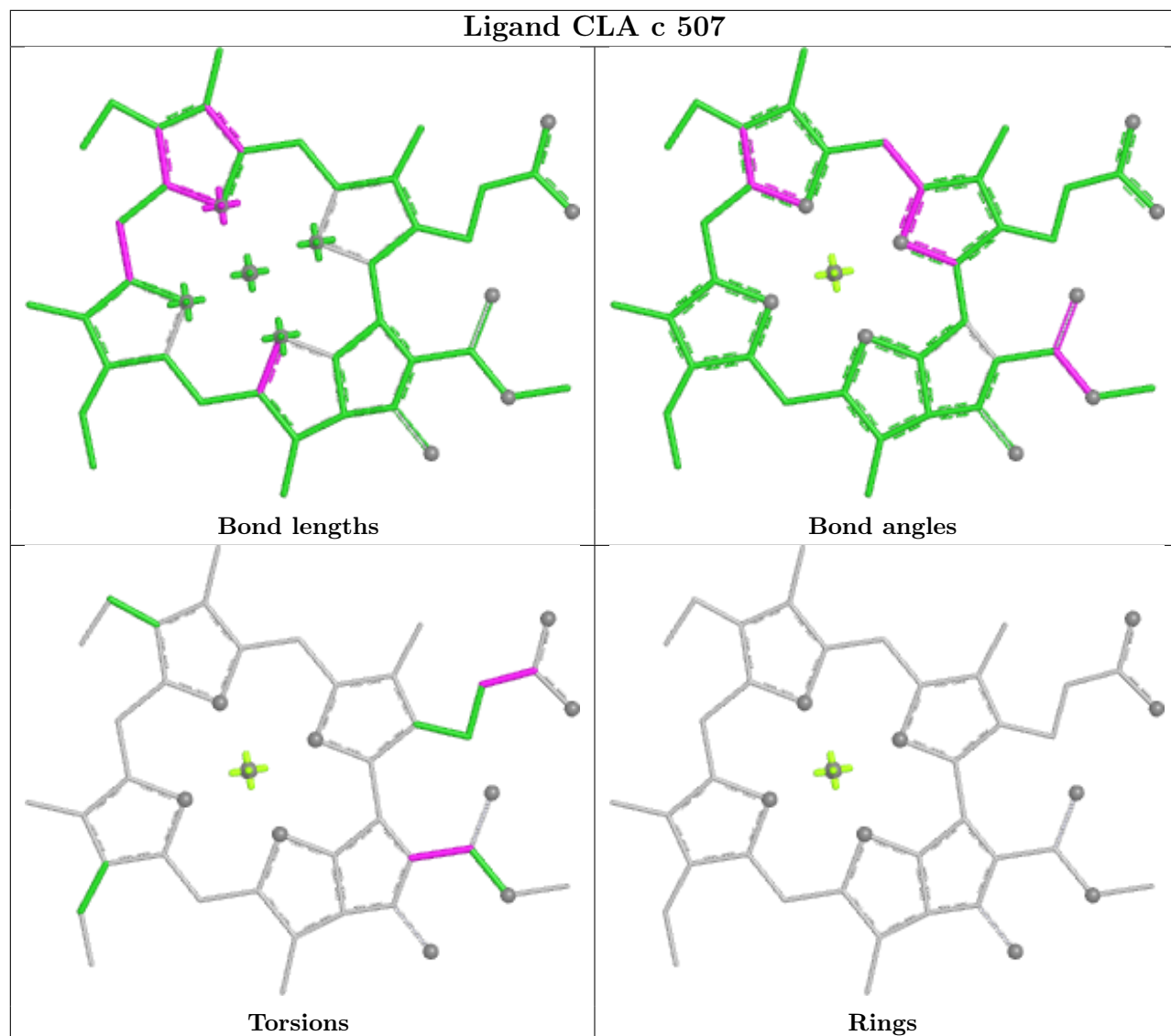


Ligand CLA X 509

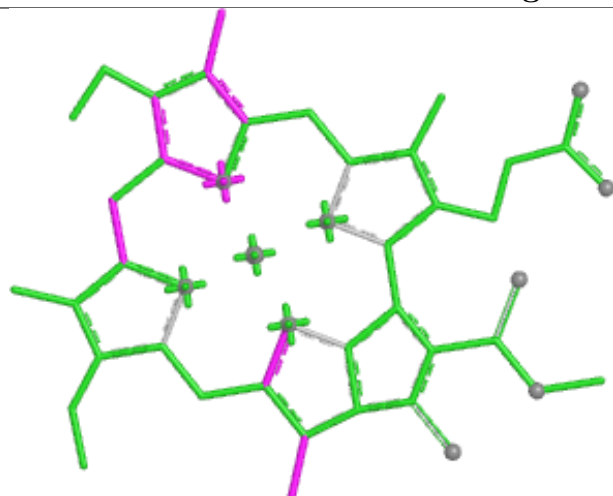




Ligand CLA c 507



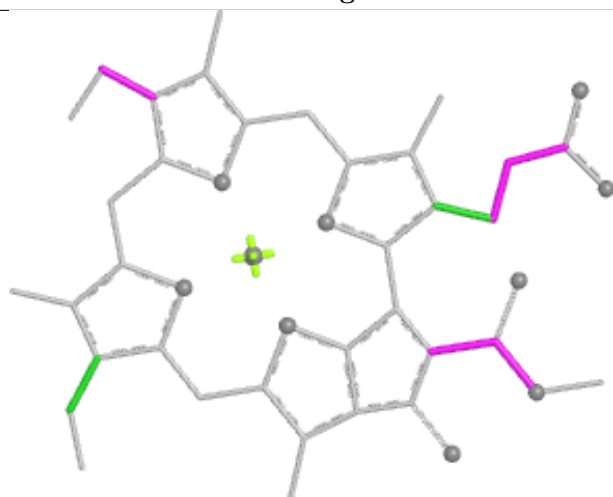
Ligand CLA 1 501



Bond lengths



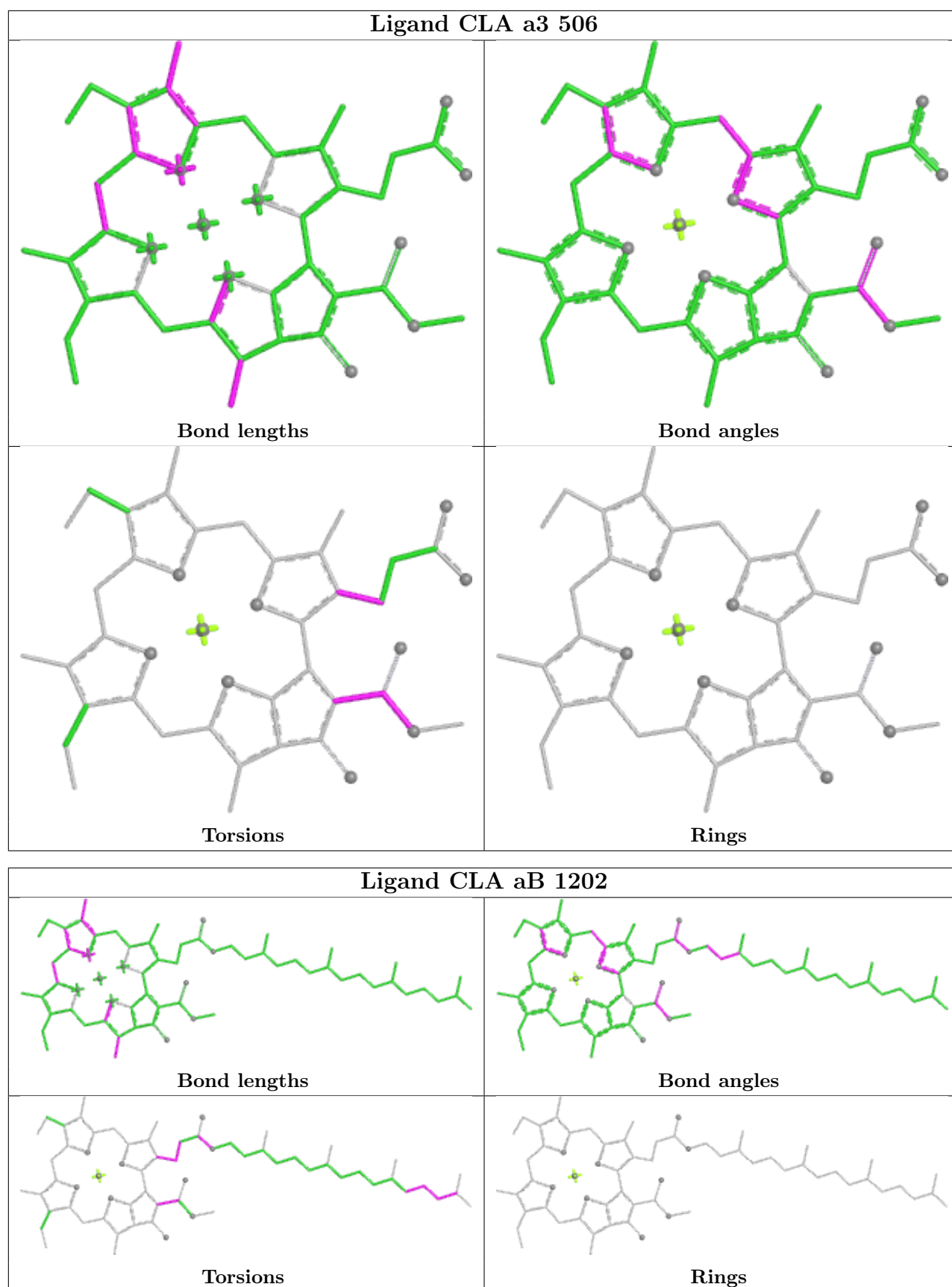
Bond angles



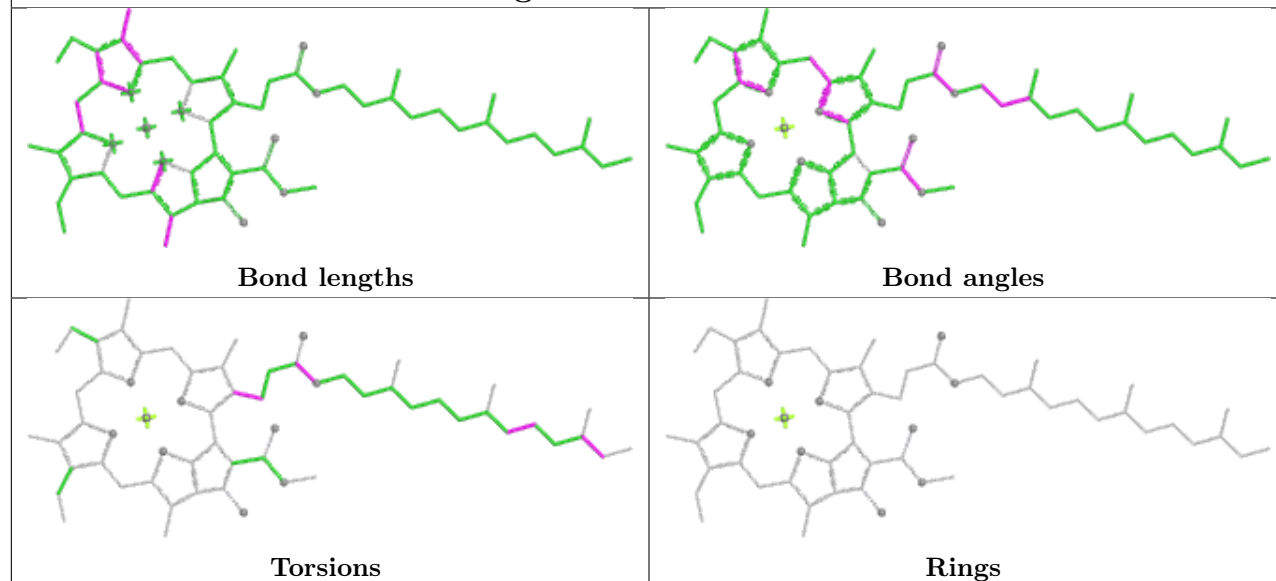
Torsions



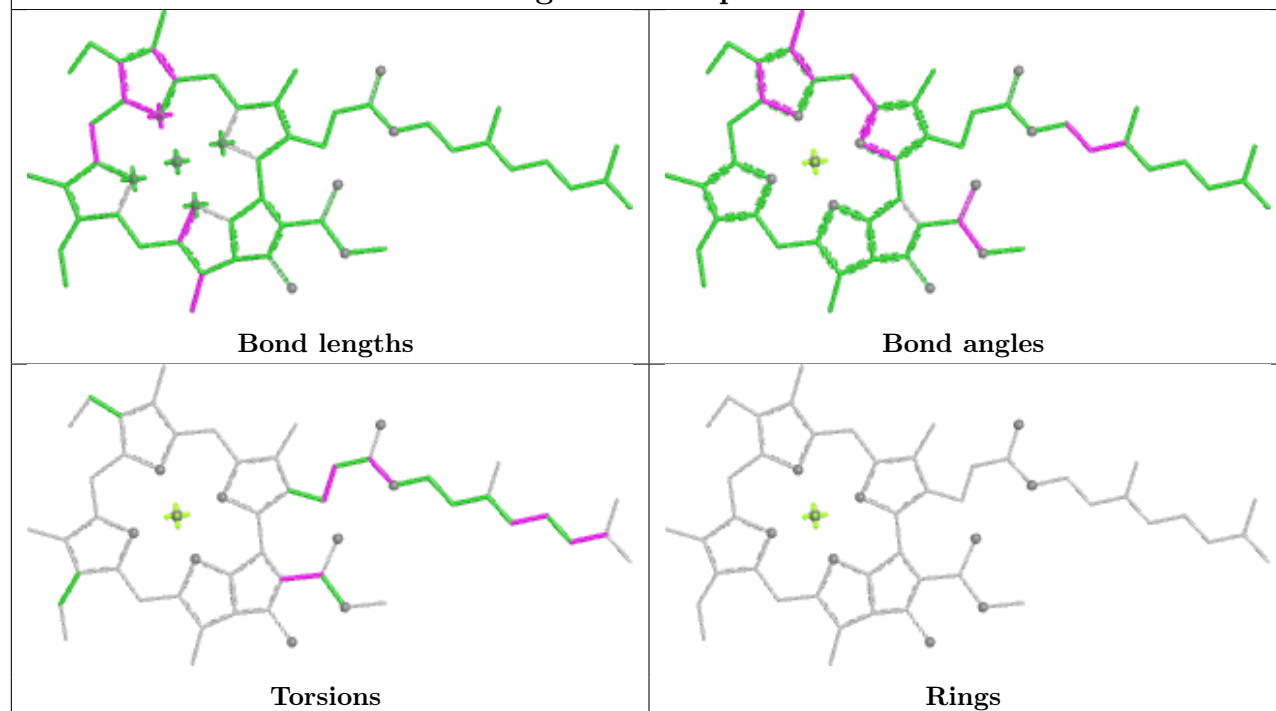
Rings



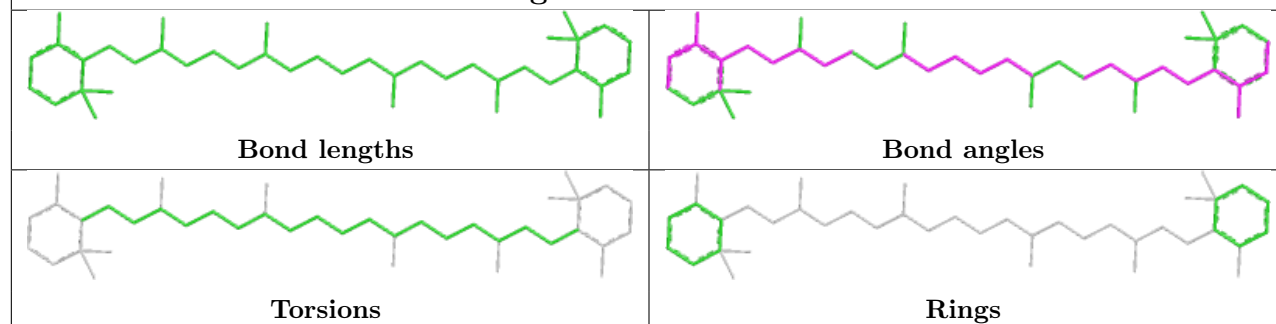
Ligand CLA aB 1215

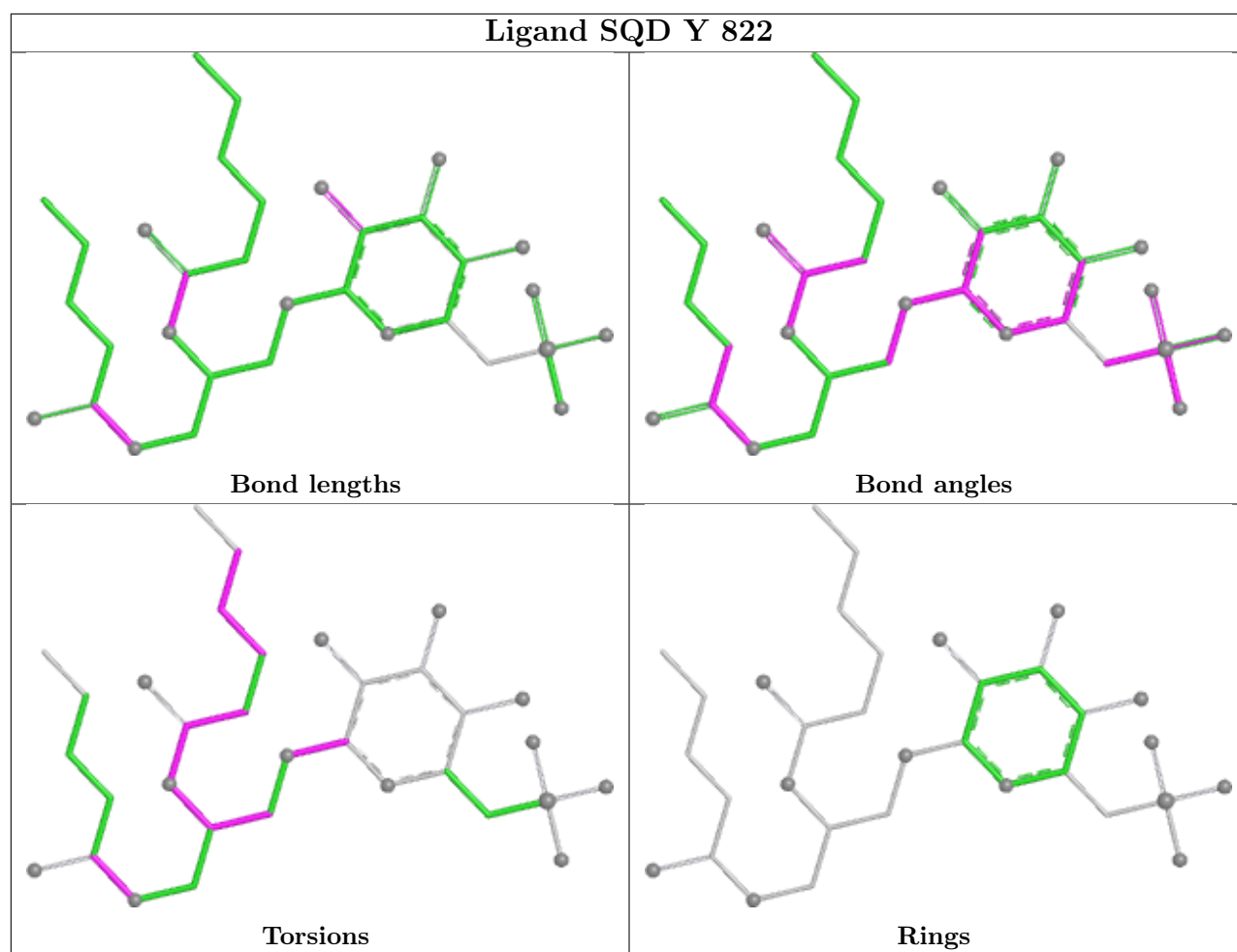


Ligand CLA q 505

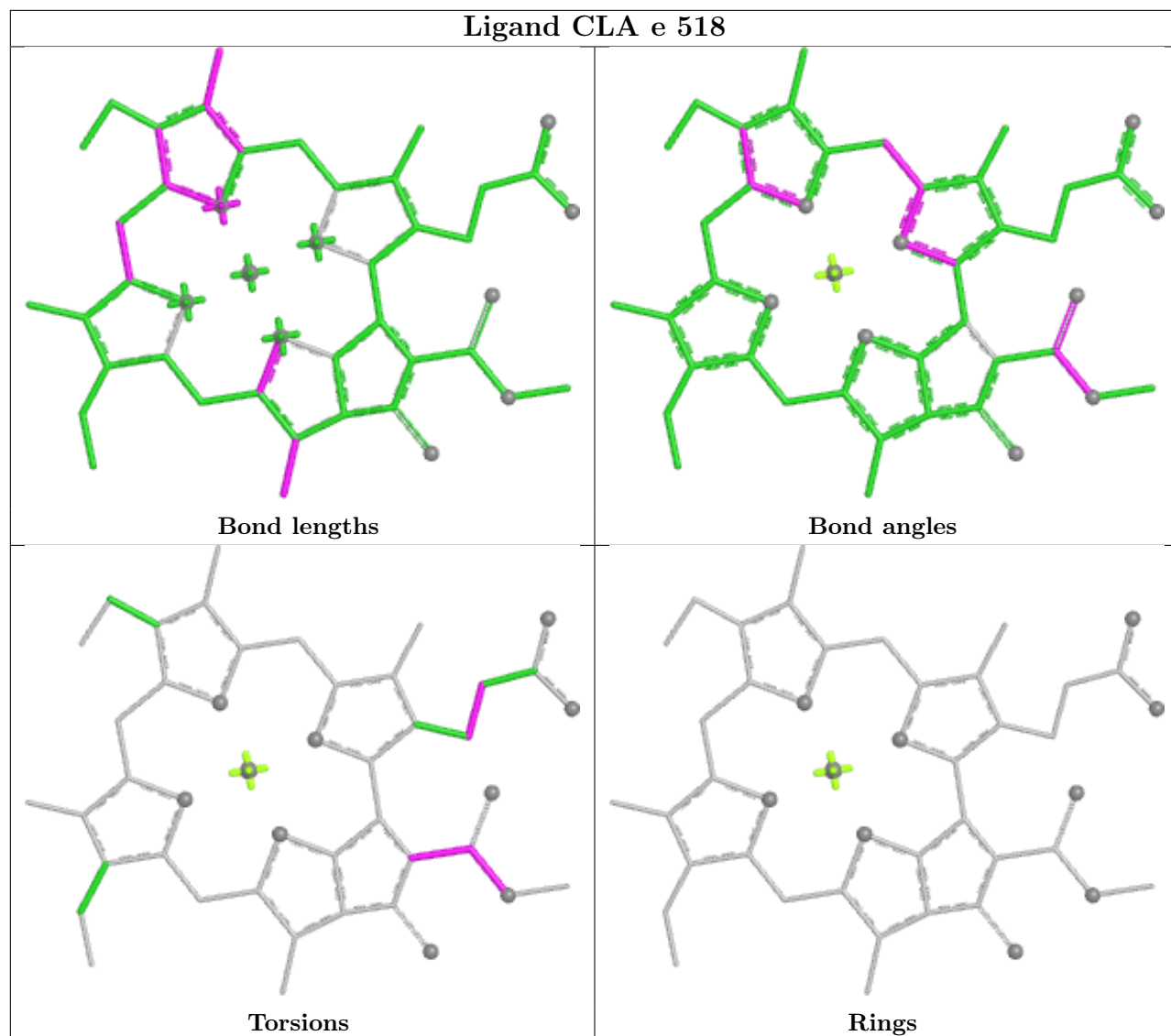


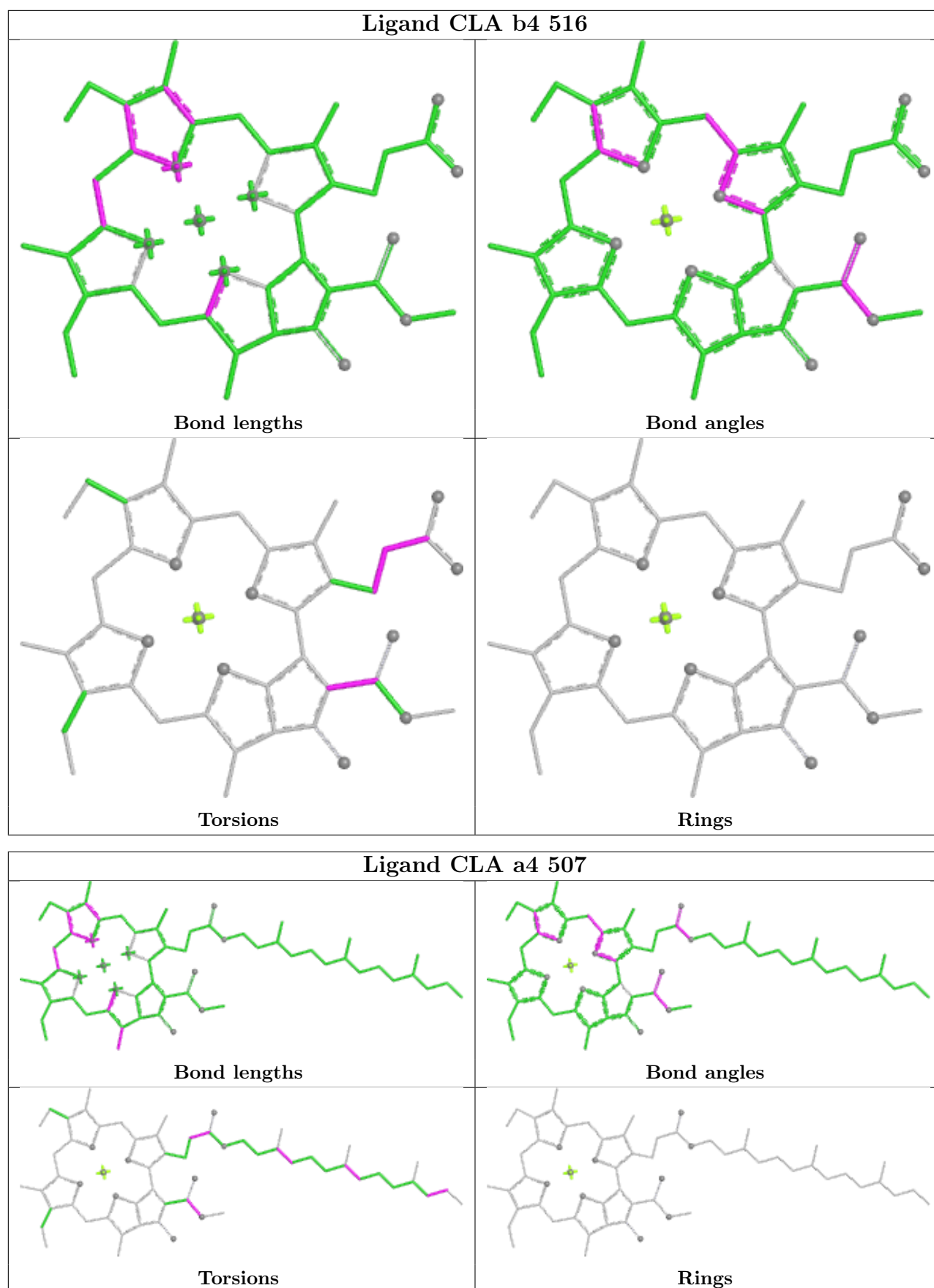
Ligand BCR Y 524

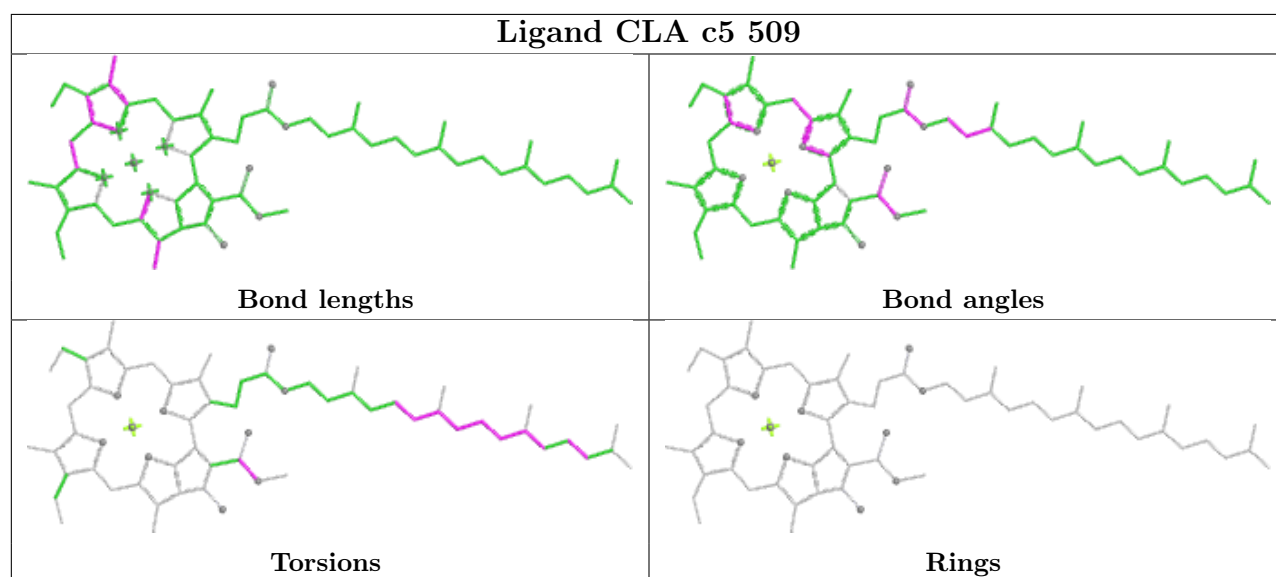
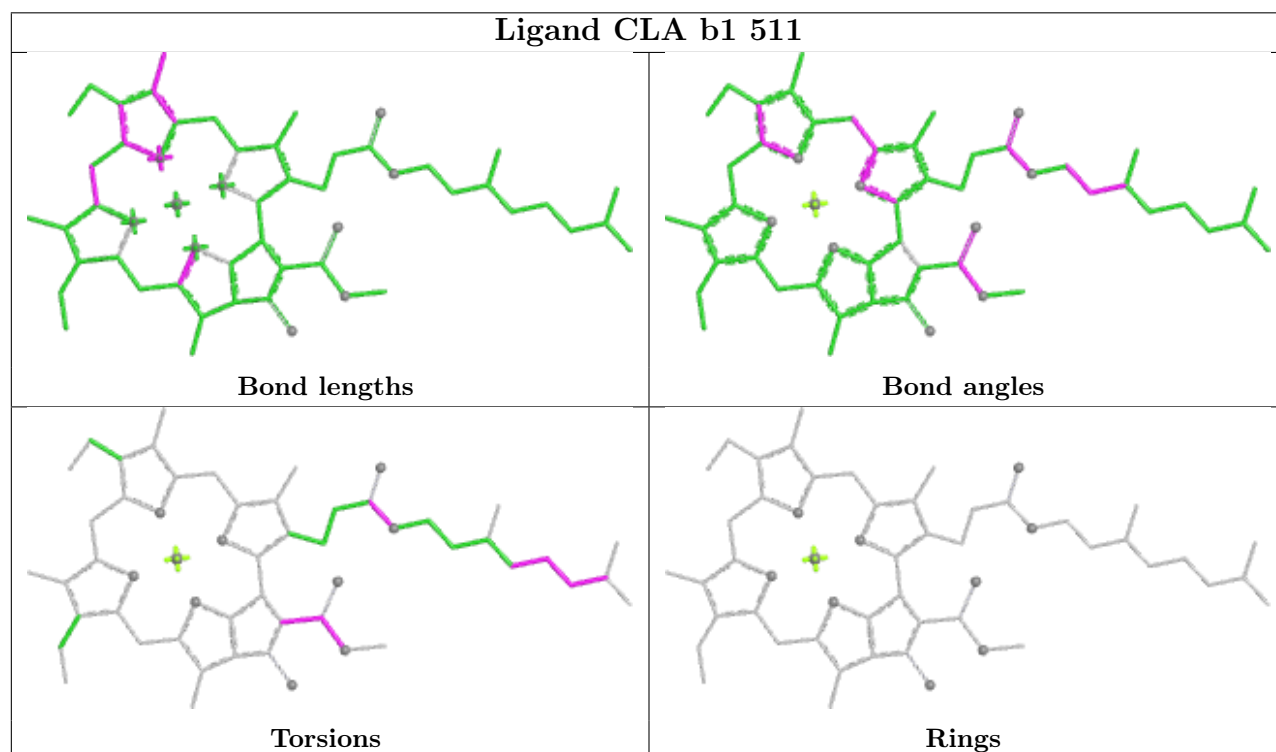
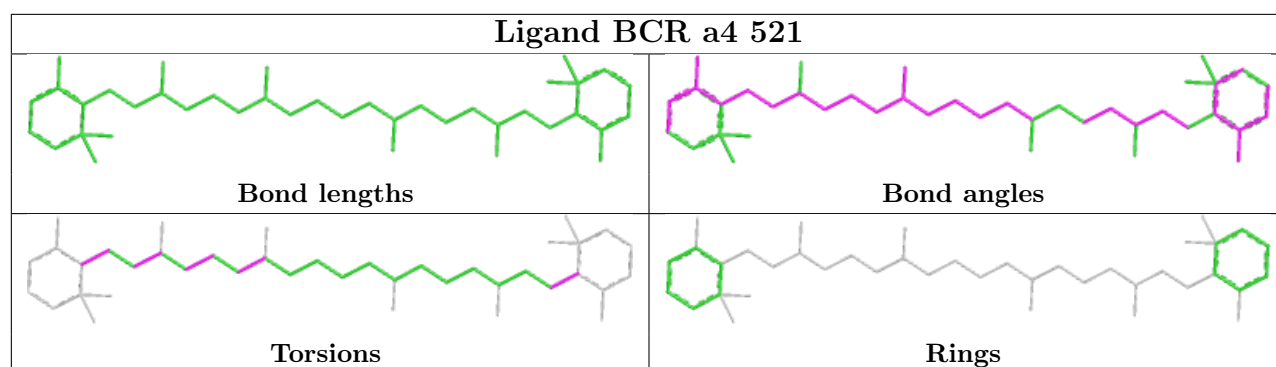




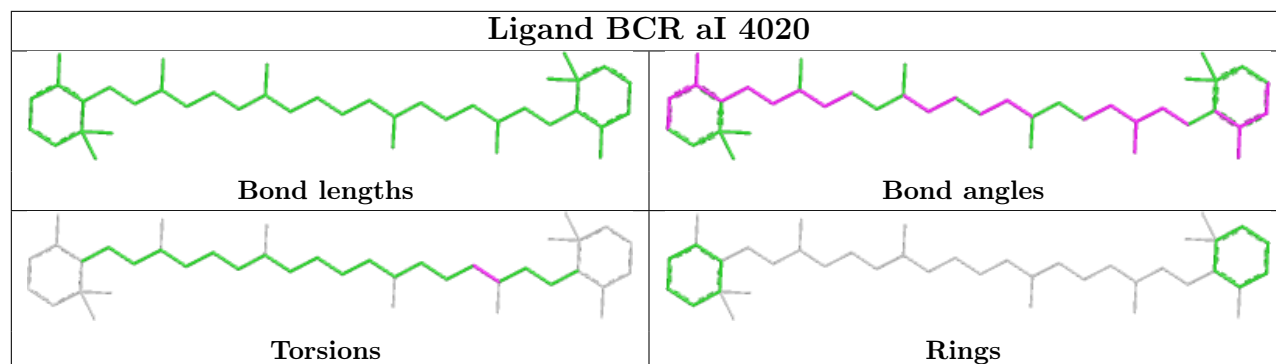
Ligand CLA e 518



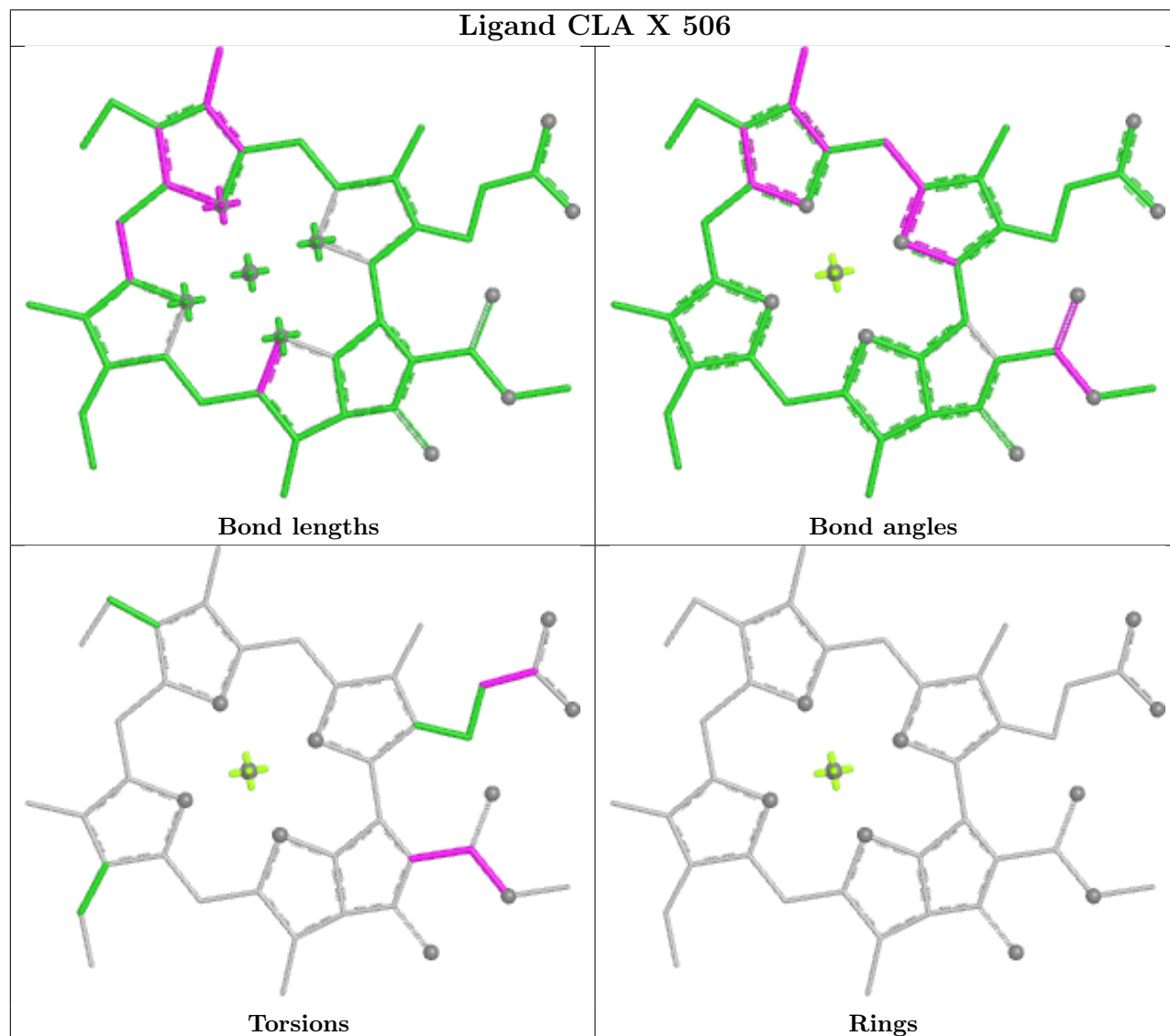


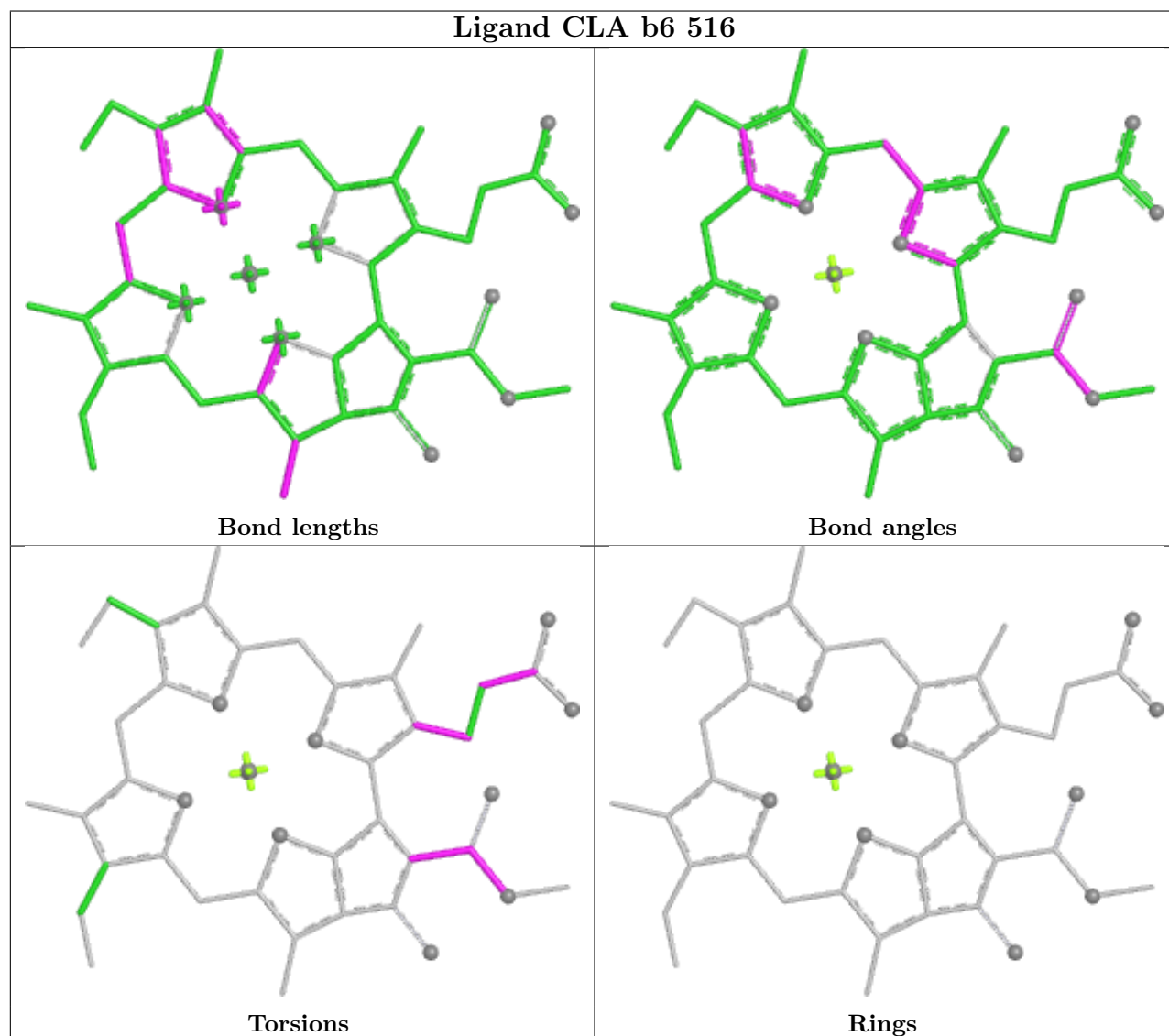
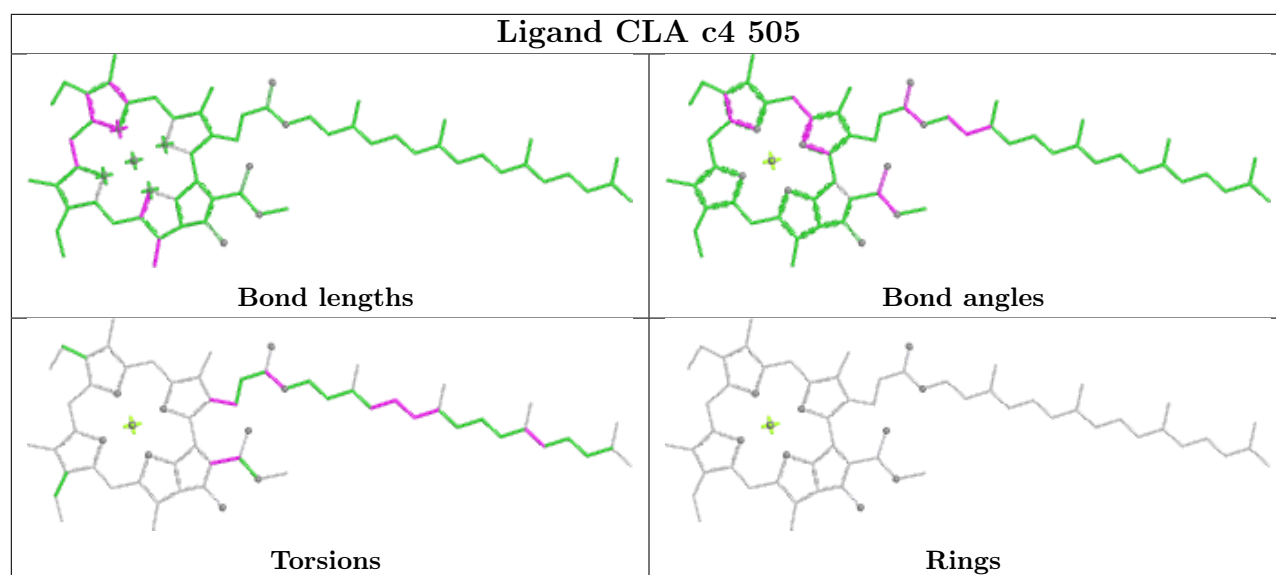


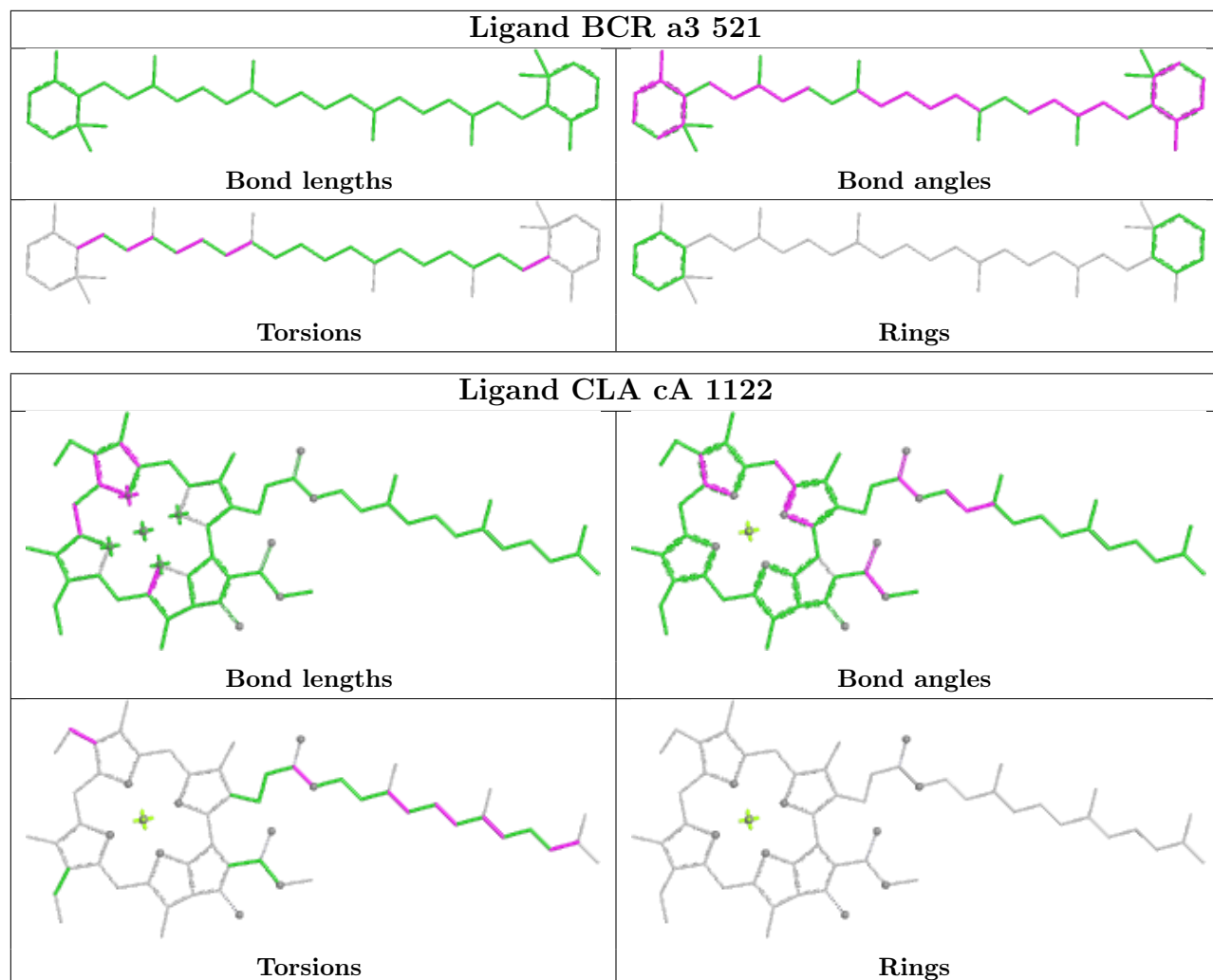
Ligand BCR aI 4020

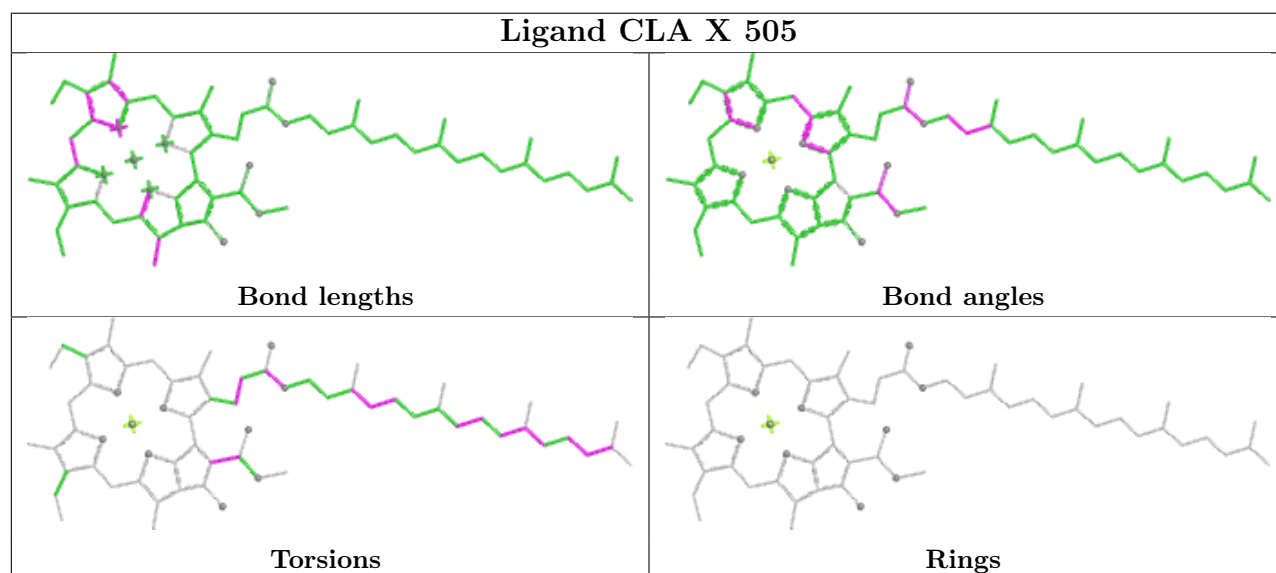
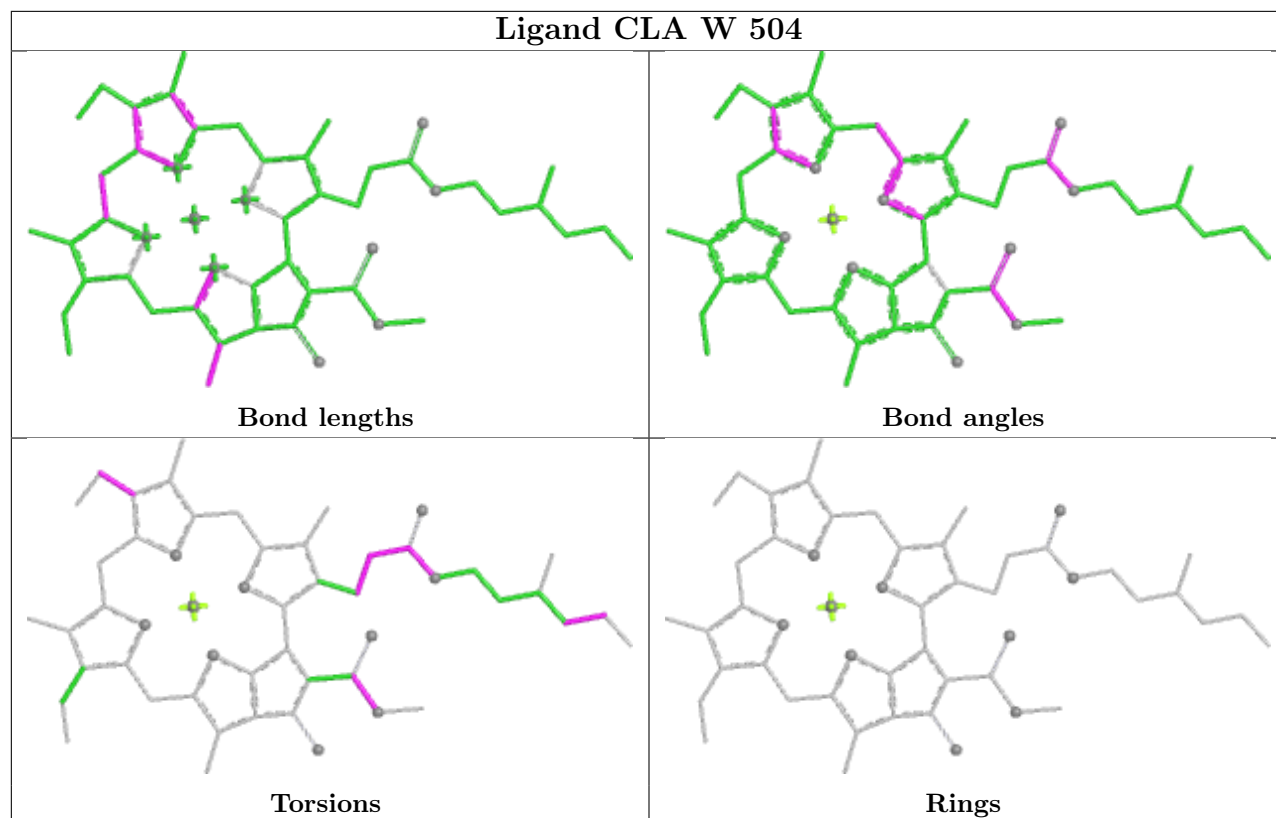


Ligand CLA X 506

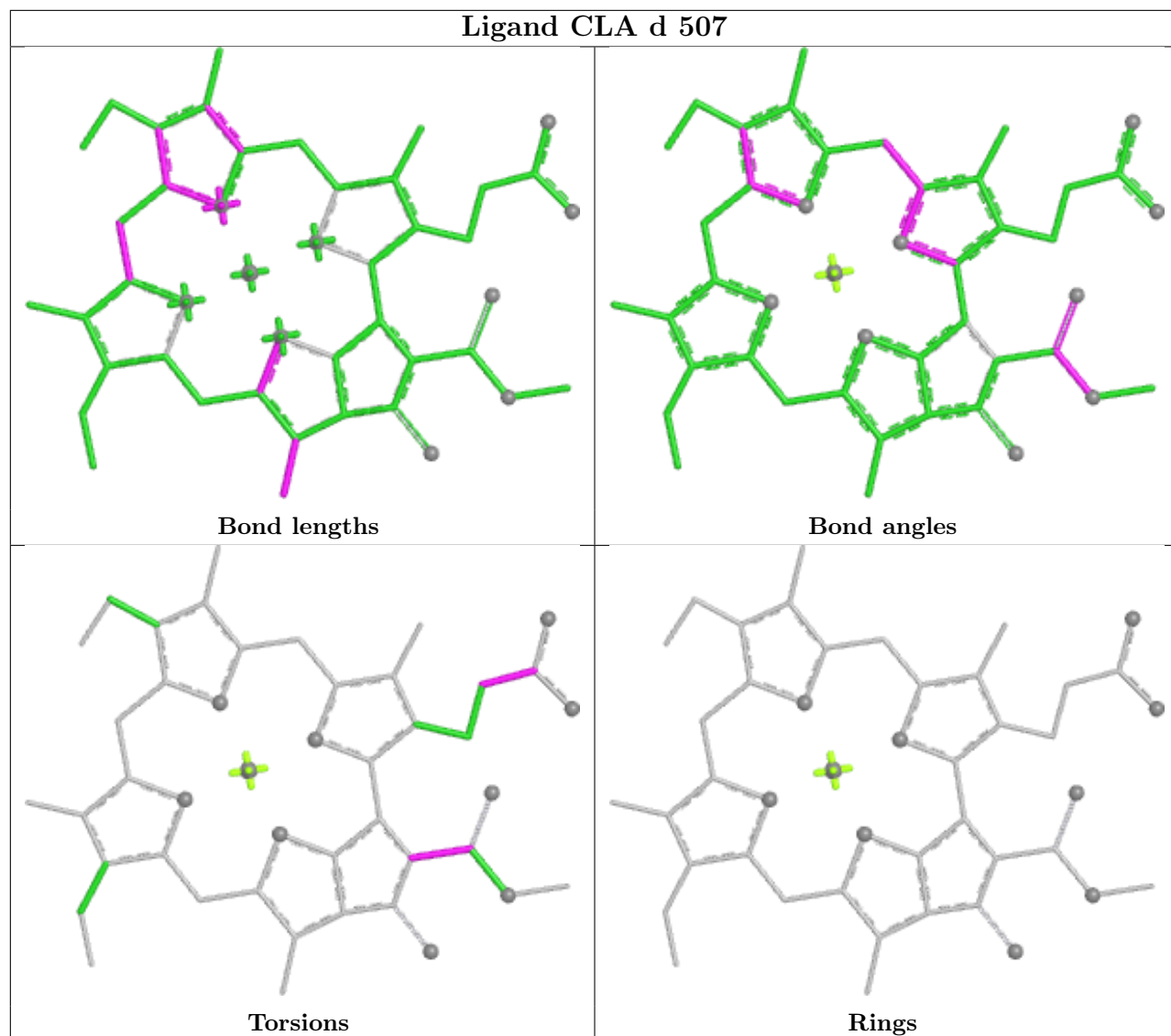


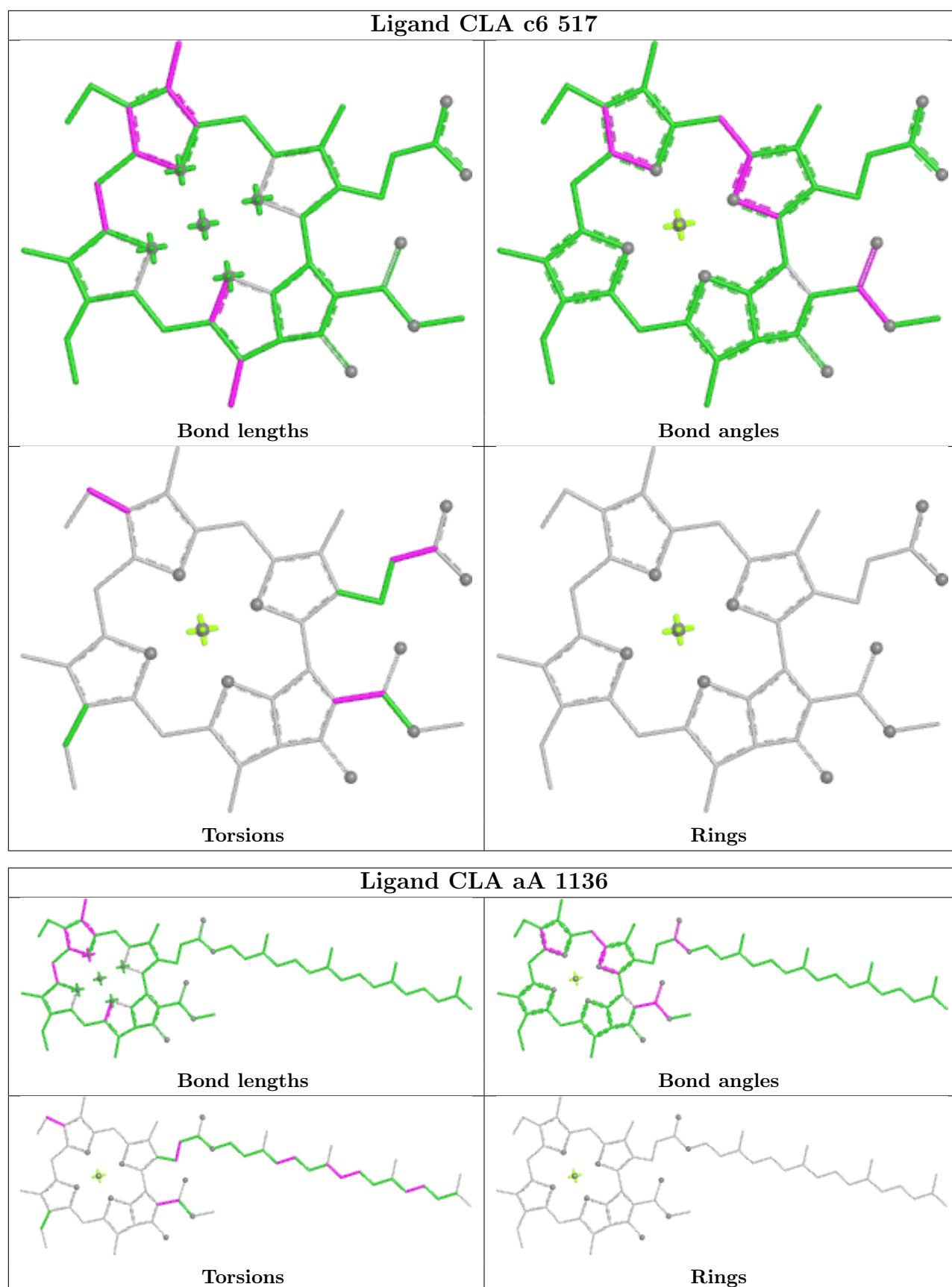




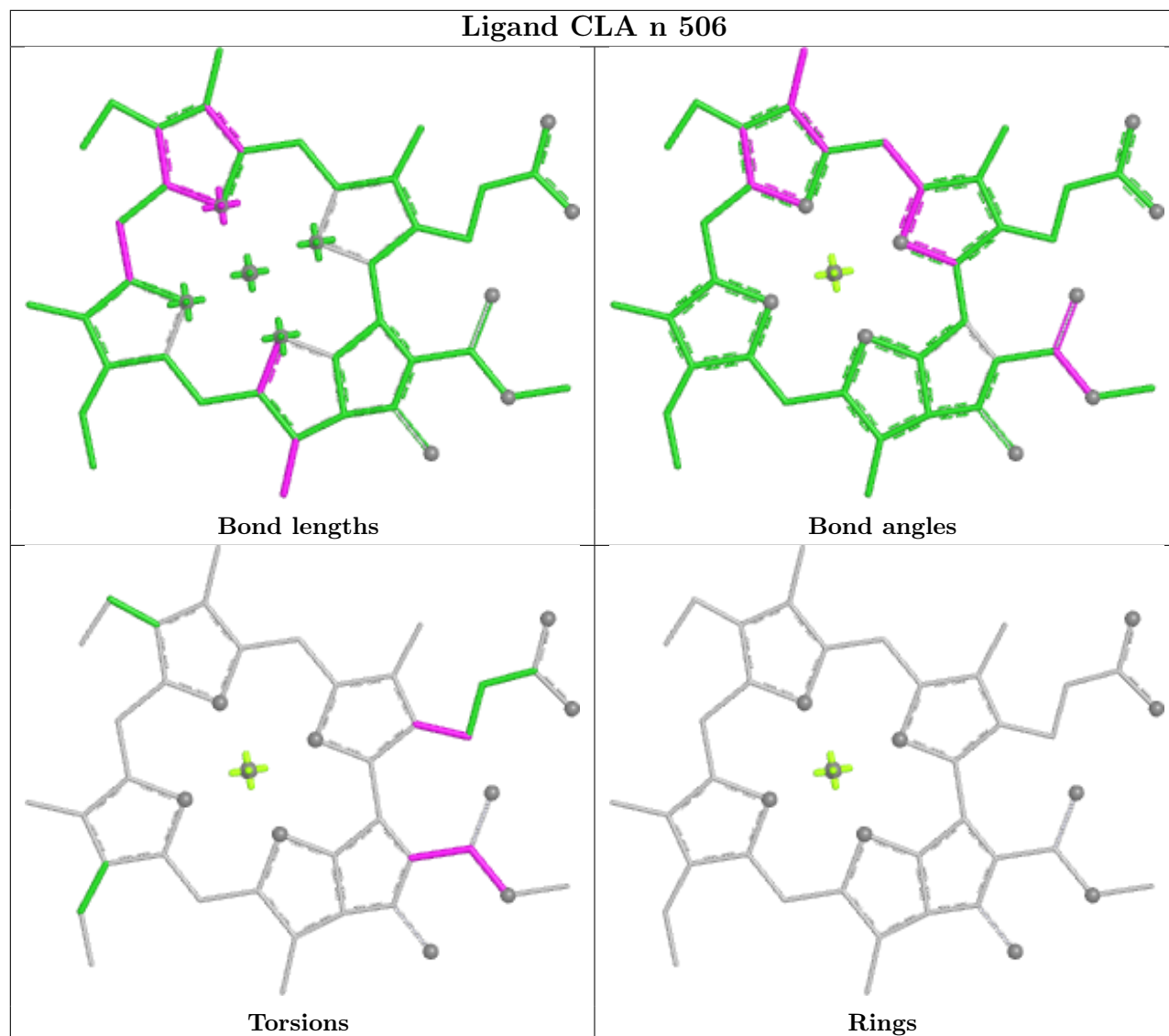


Ligand CLA d 507

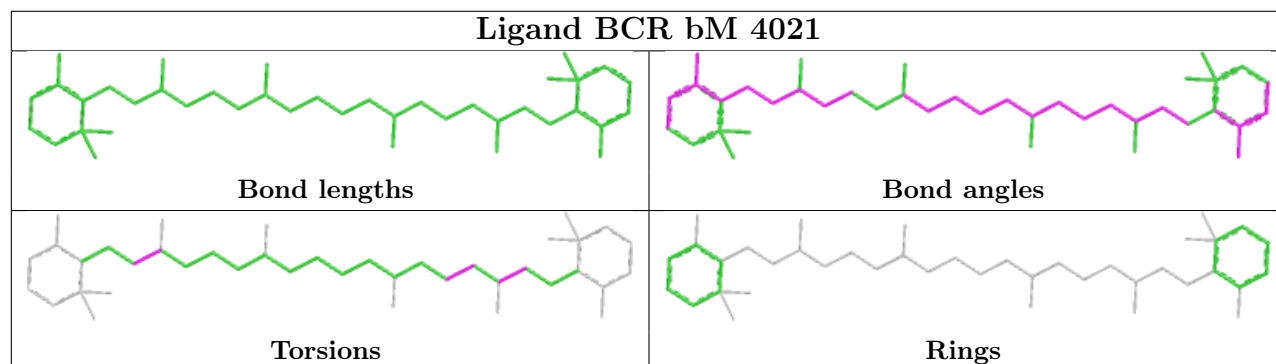




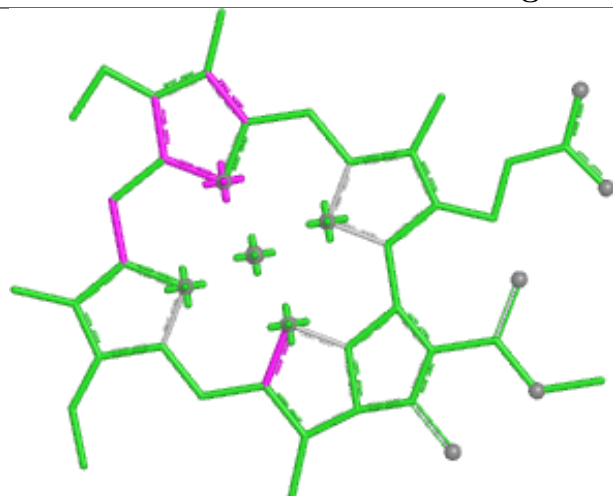
Ligand CLA n 506



Ligand BCR bM 4021



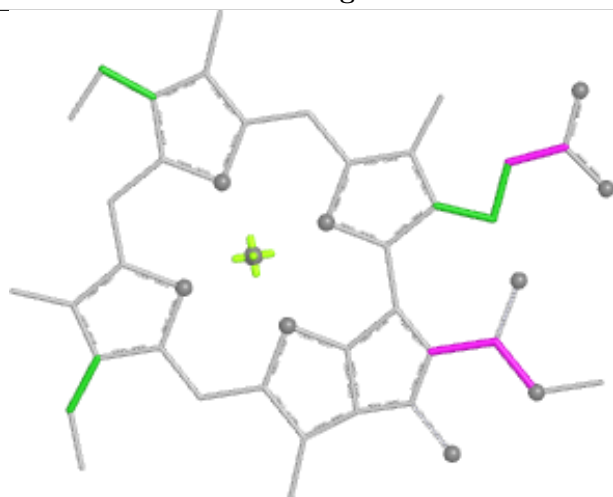
Ligand CLA f 510



Bond lengths



Bond angles

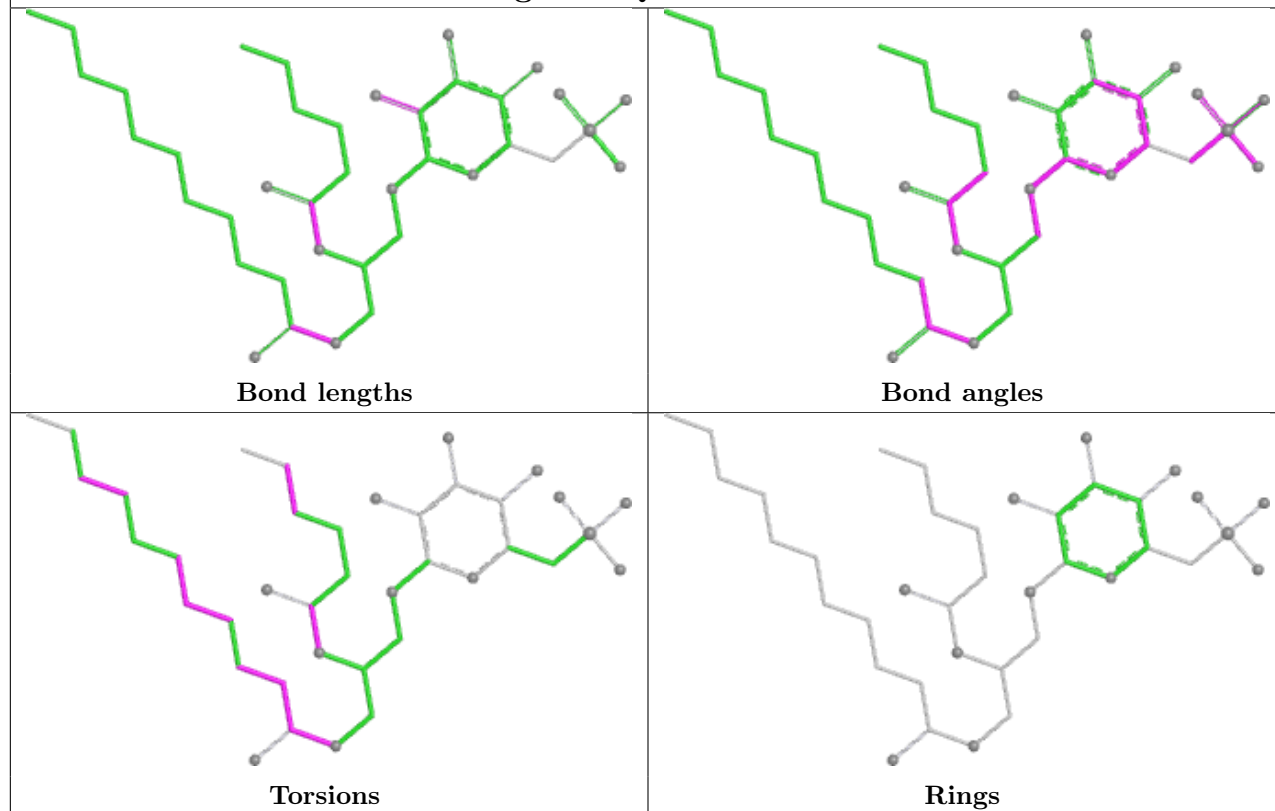


Torsions

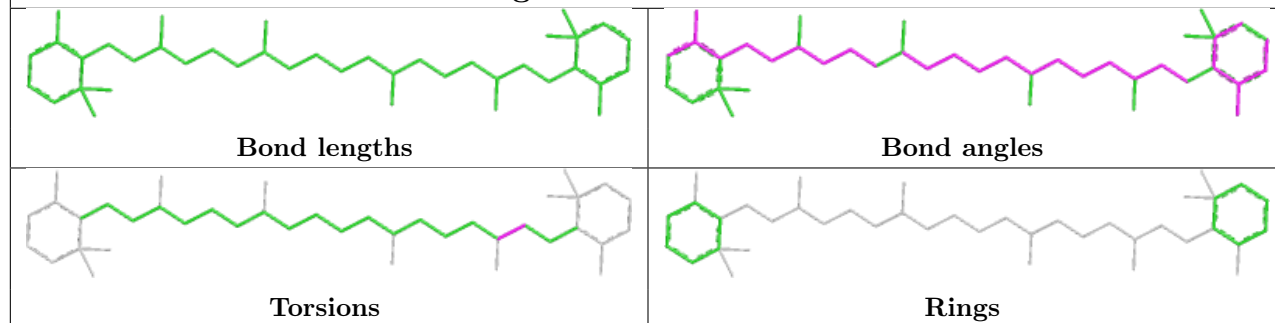


Rings

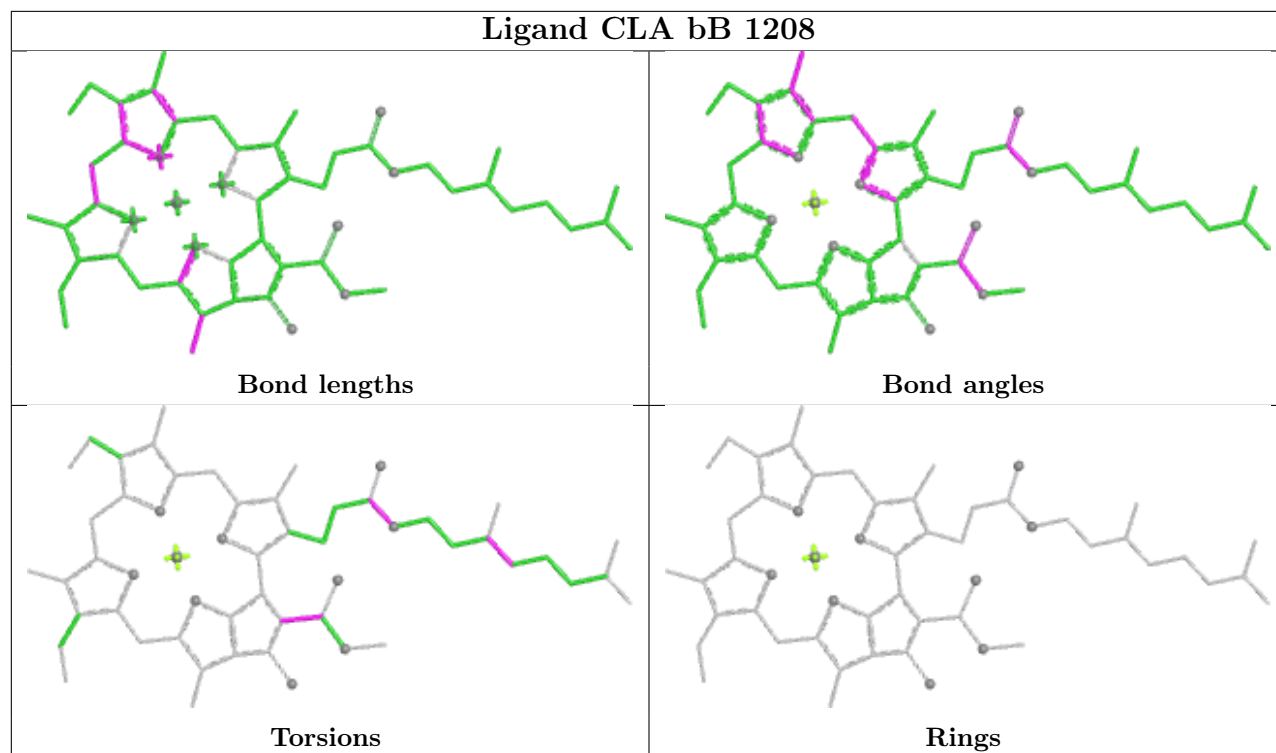
Ligand SQD cB 1852



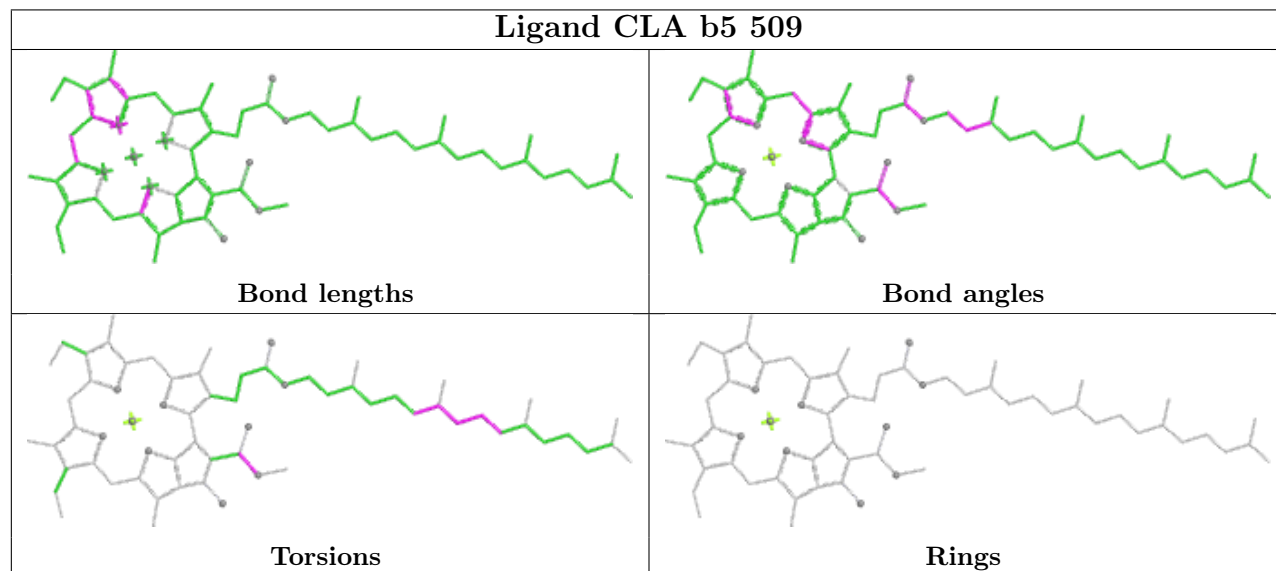
Ligand BCR cB 4017

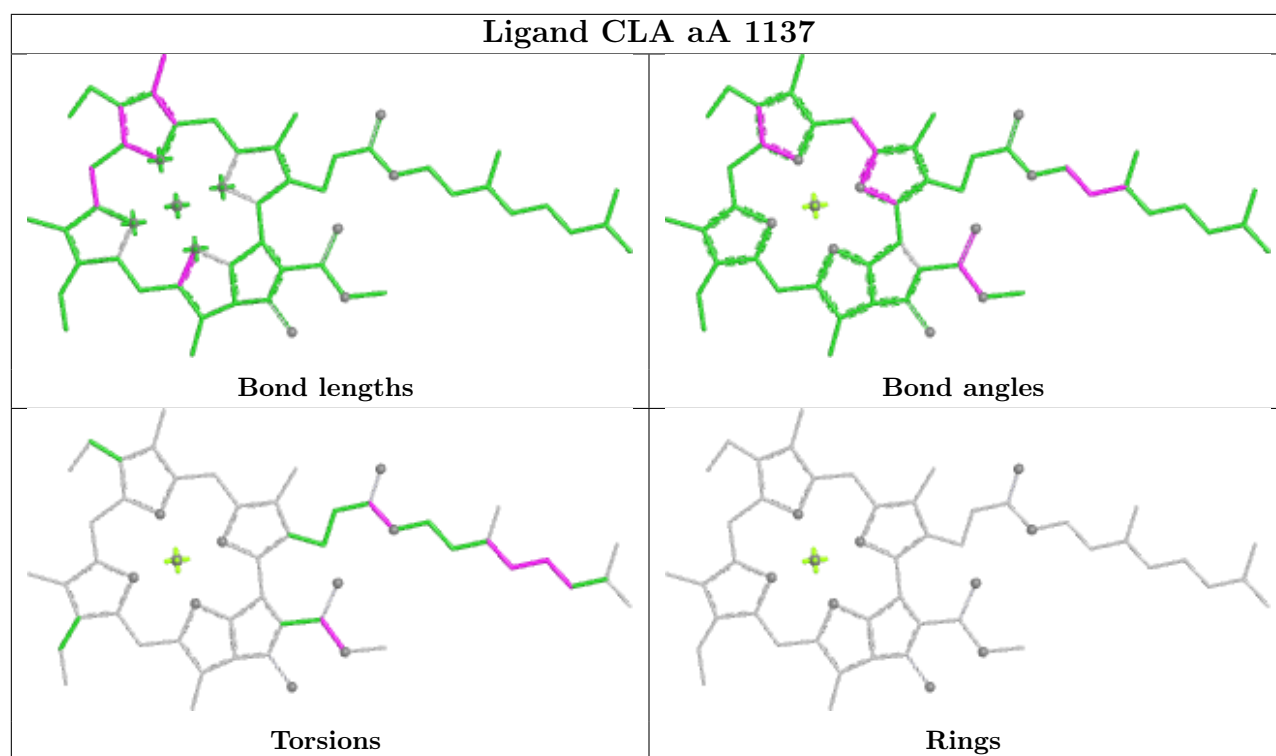


Ligand CLA bB 1208

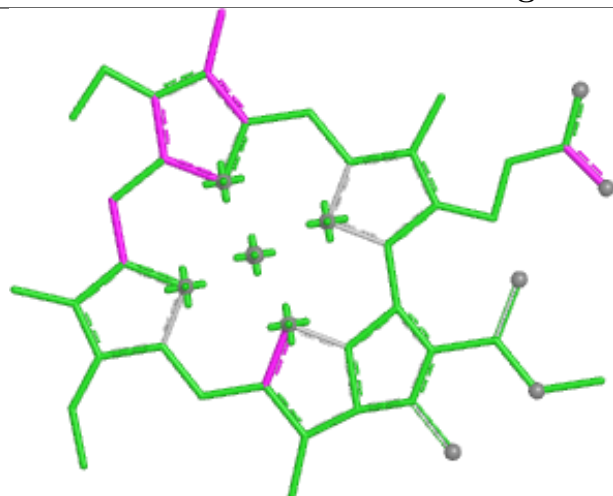


Ligand CLA b5 509

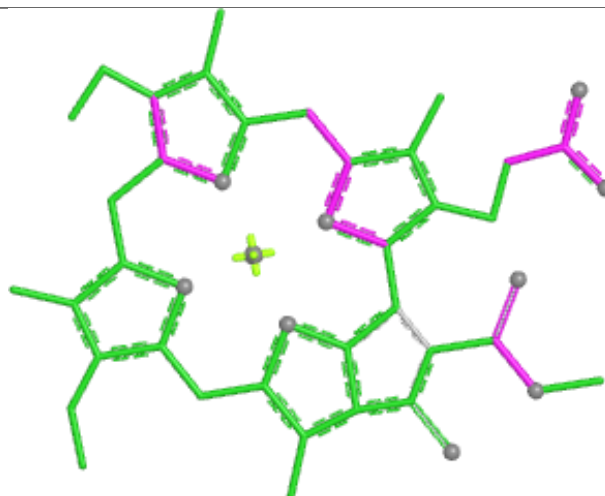




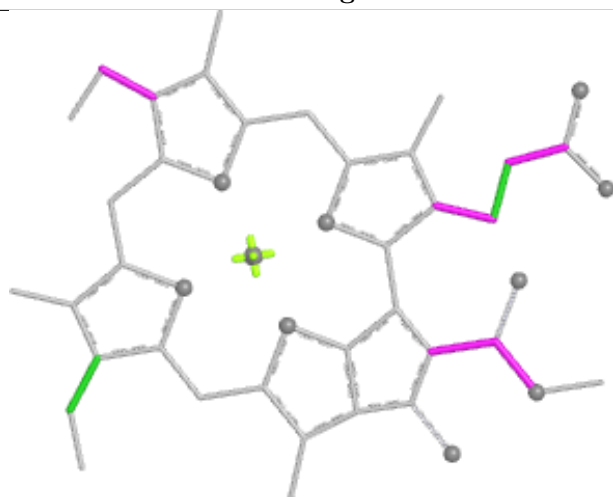
Ligand CLA k 517



Bond lengths



Bond angles

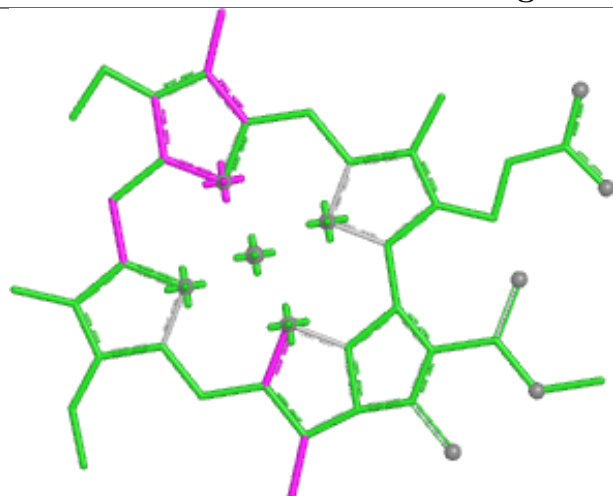


Torsions

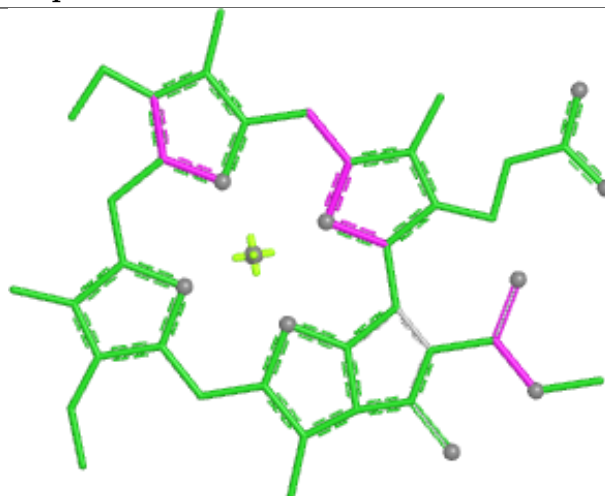


Rings

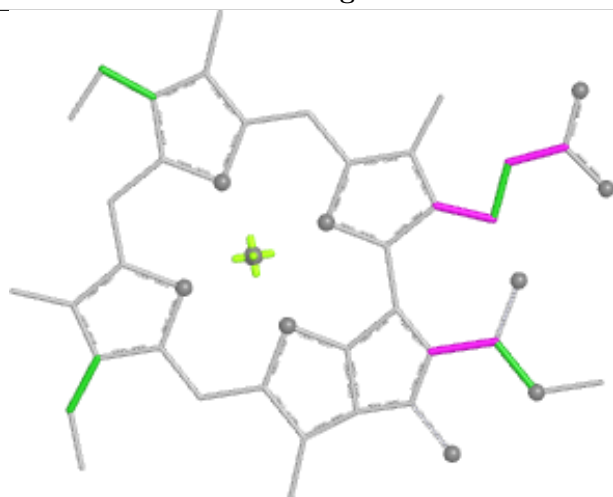
Ligand CLA p 519



Bond lengths



Bond angles

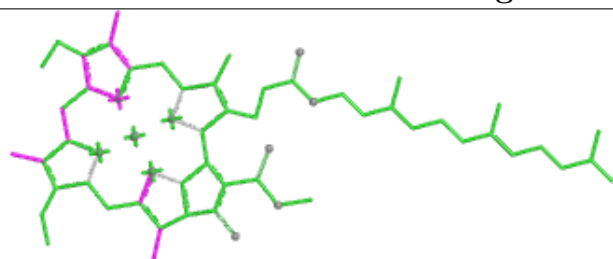


Torsions

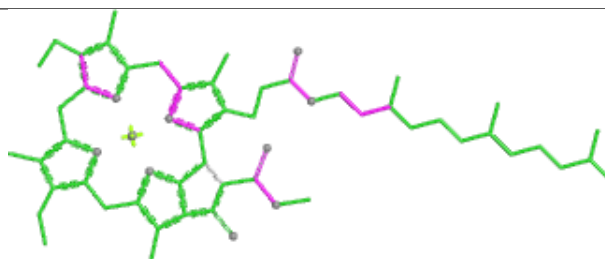


Rings

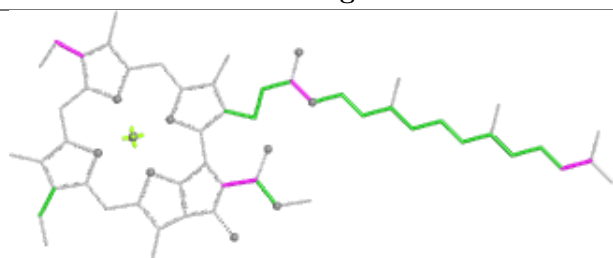
Ligand CLA bB 1234



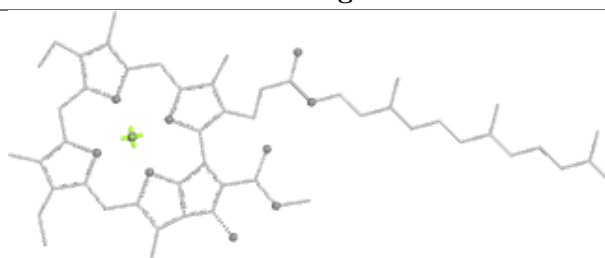
Bond lengths



Bond angles

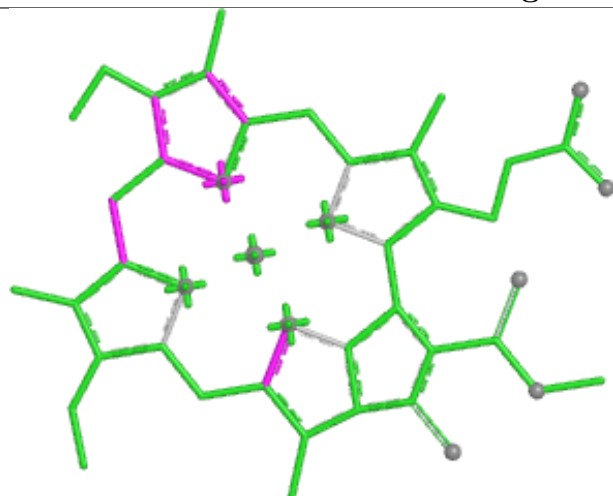


Torsions

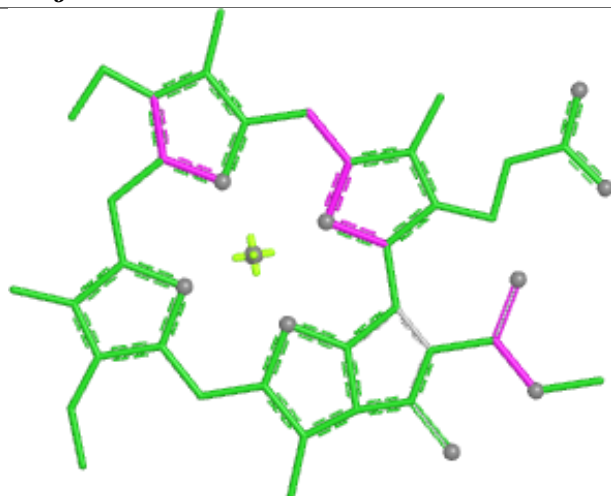


Rings

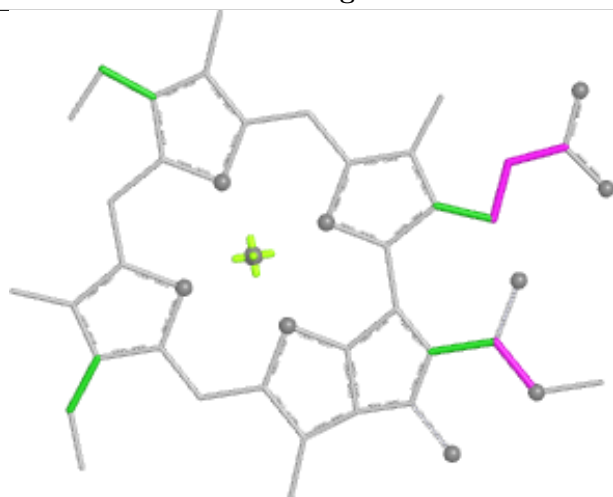
Ligand CLA j 511



Bond lengths



Bond angles

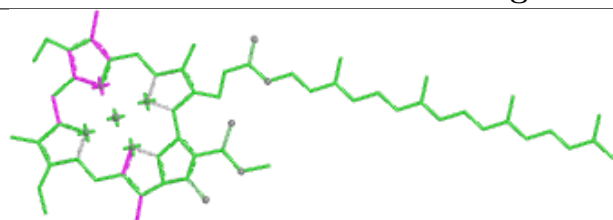


Torsions

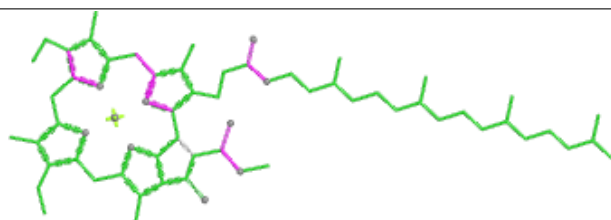


Rings

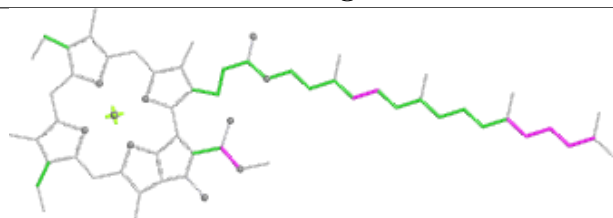
Ligand CLA c6 509



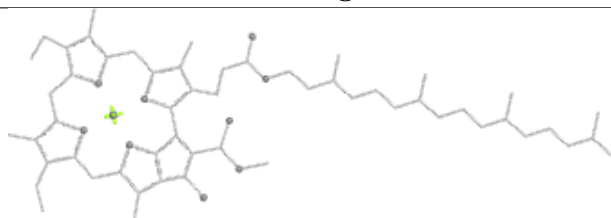
Bond lengths



Bond angles

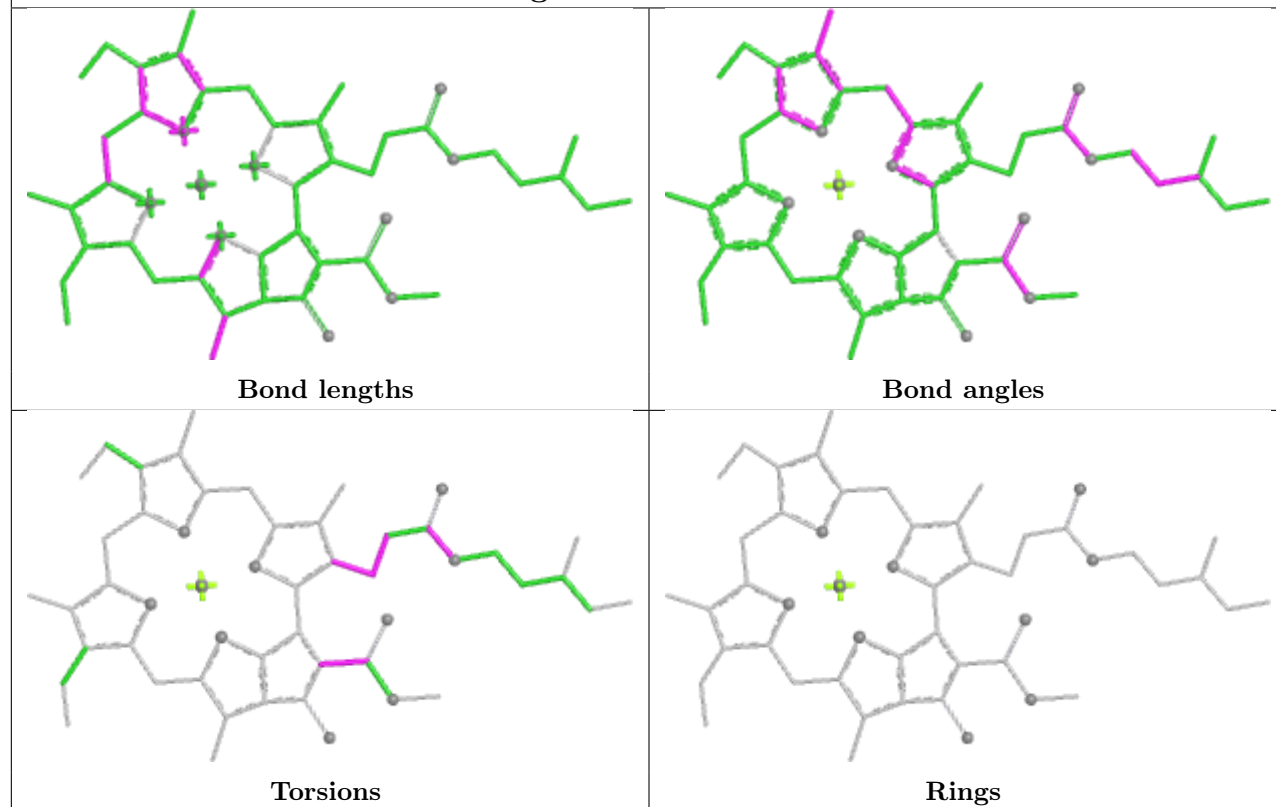


Torsions

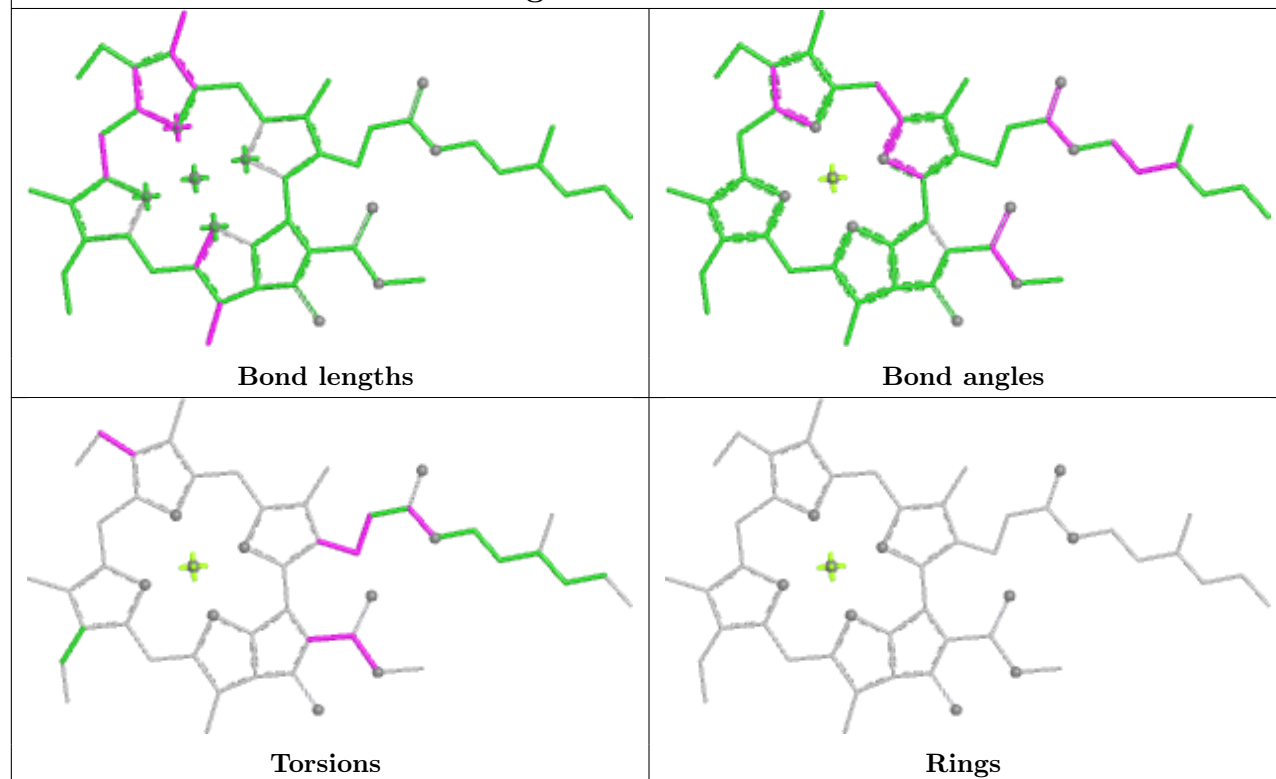


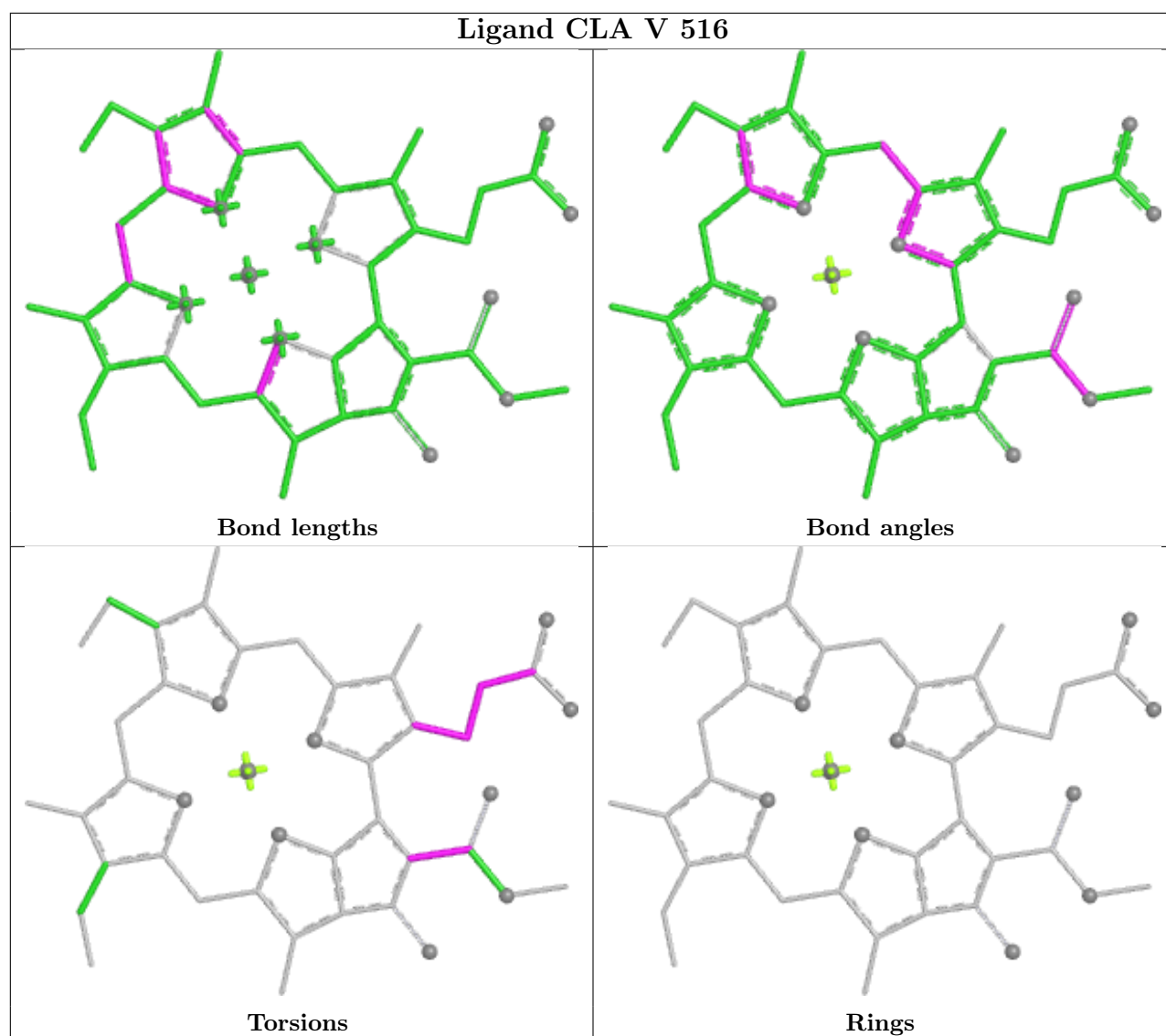
Rings

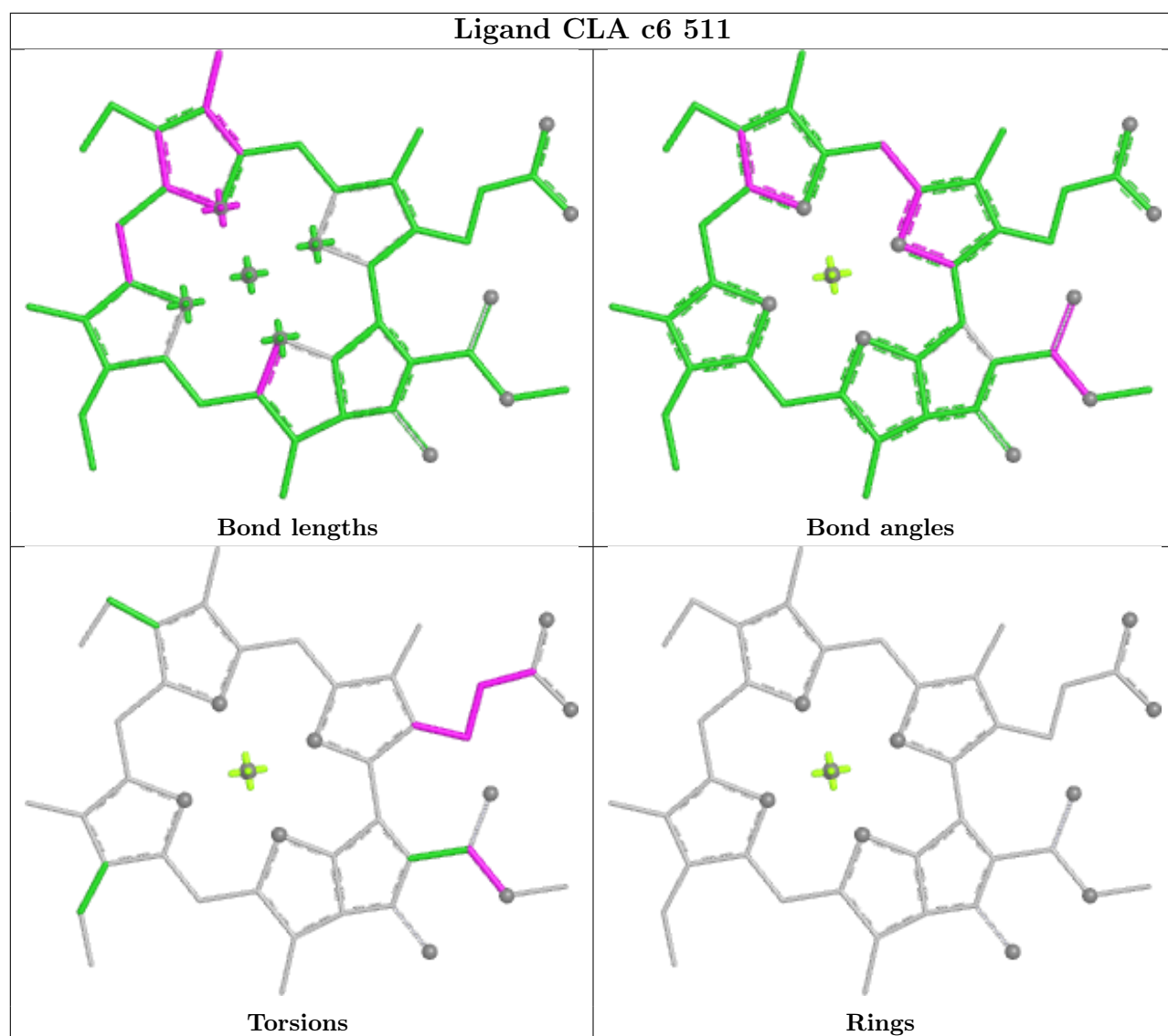
Ligand CLA m 505



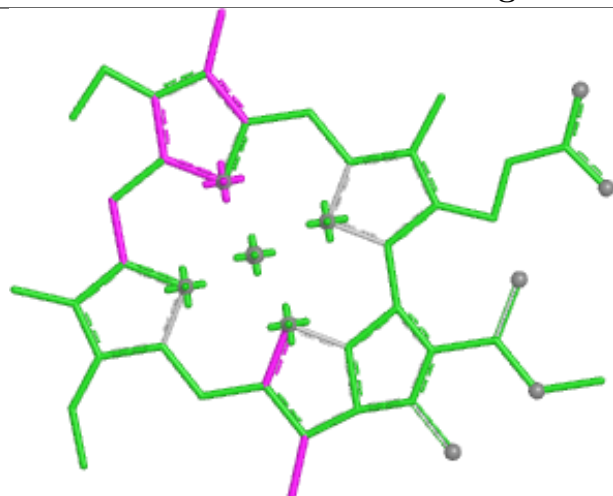
Ligand CLA b5 512







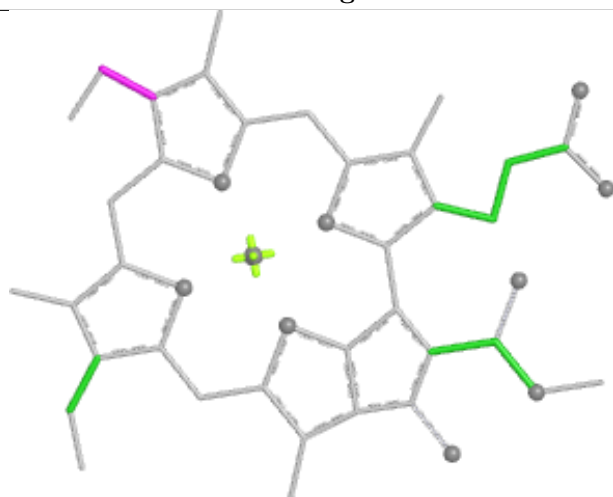
Ligand CLA aF 1301



Bond lengths



Bond angles

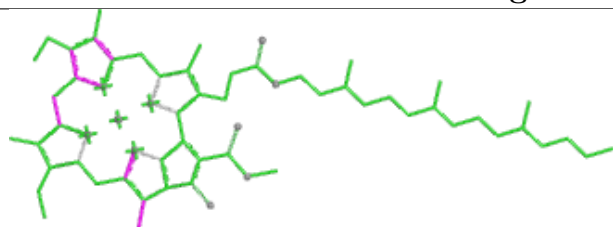


Torsions

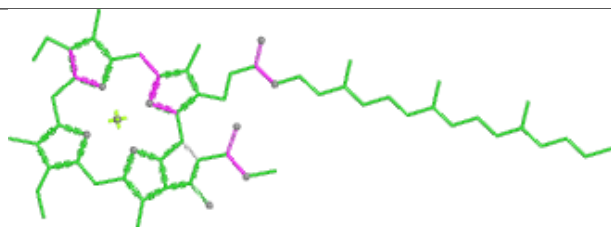


Rings

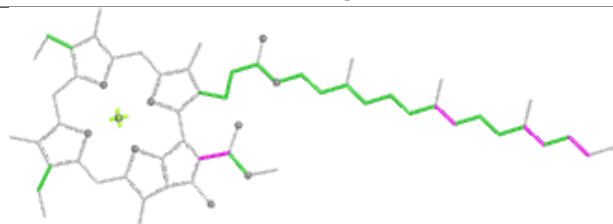
Ligand CLA aI 503



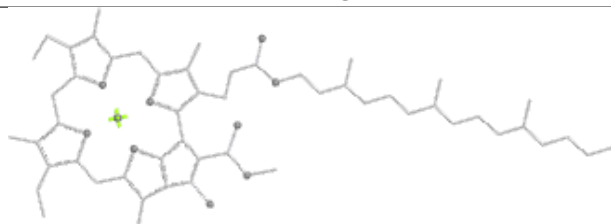
Bond lengths



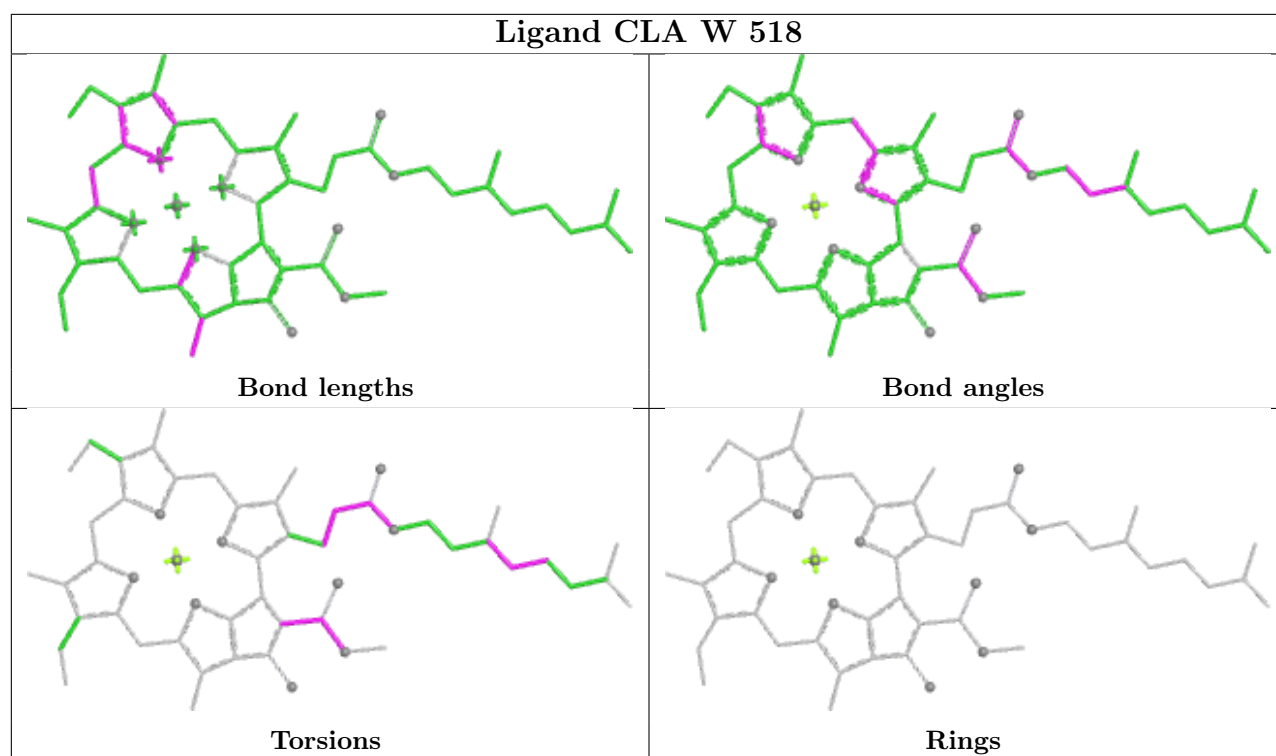
Bond angles



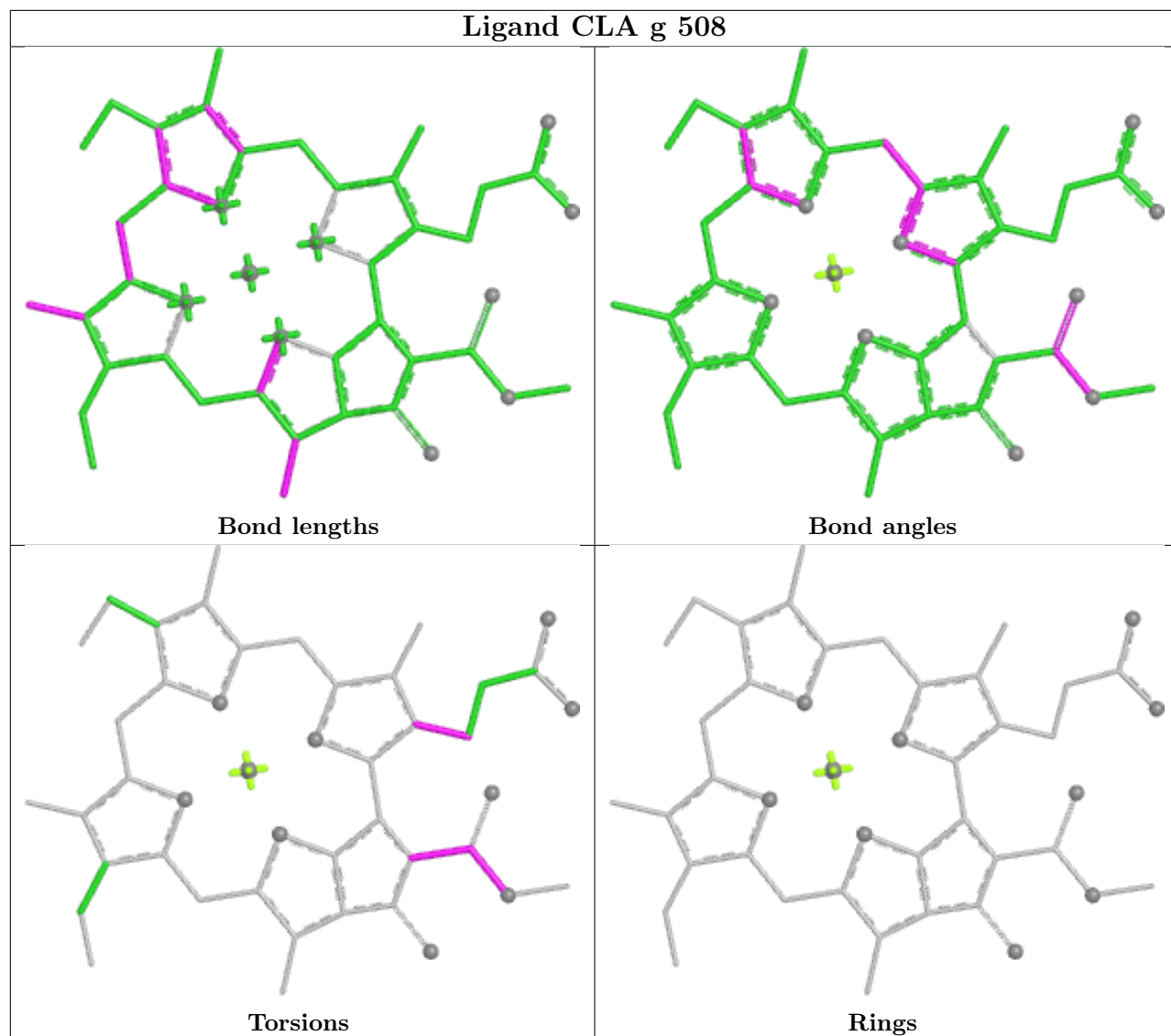
Torsions

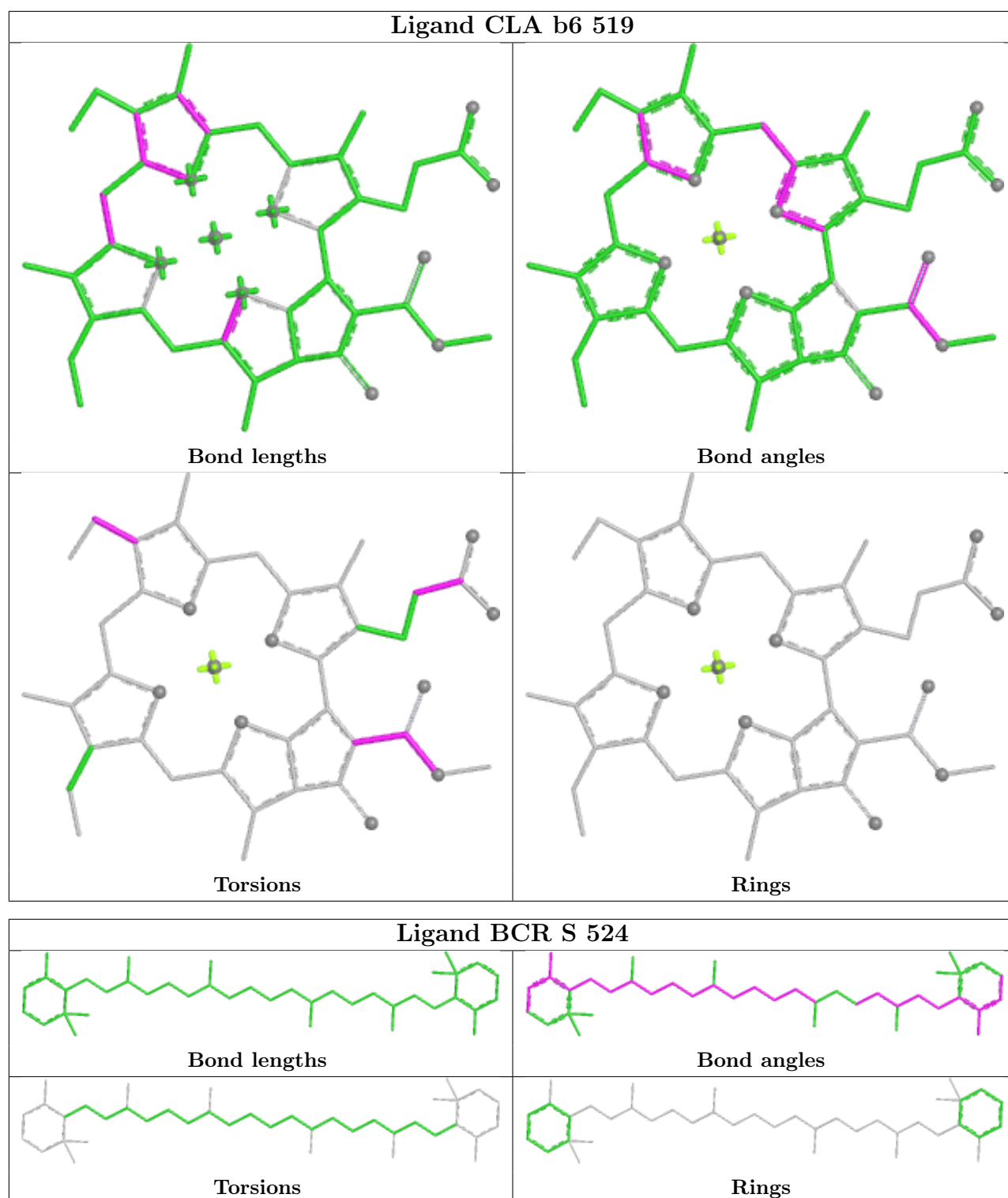


Rings

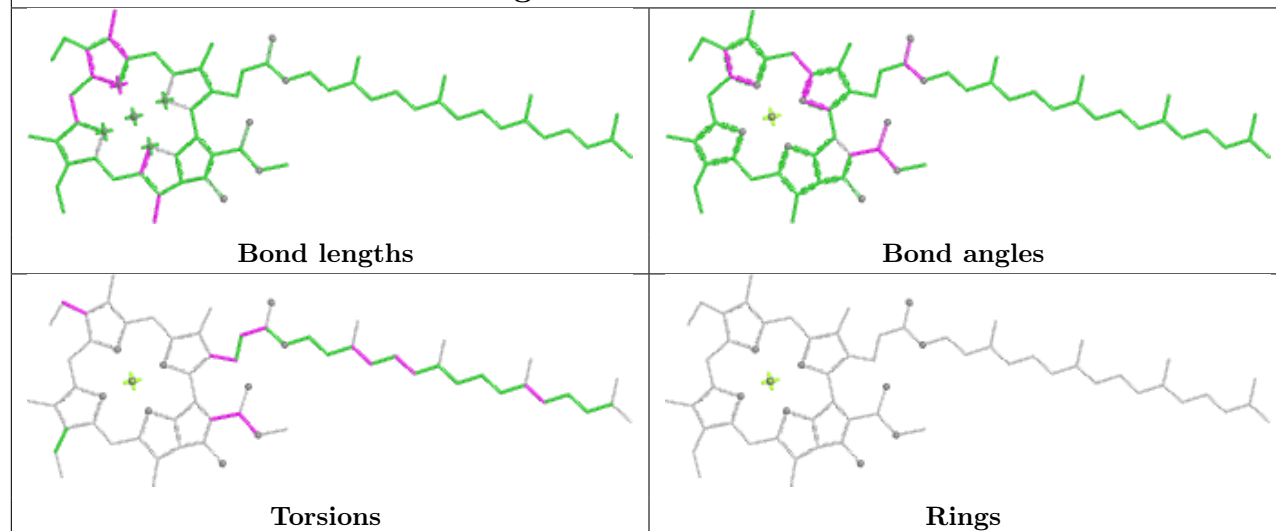


Ligand CLA g 508

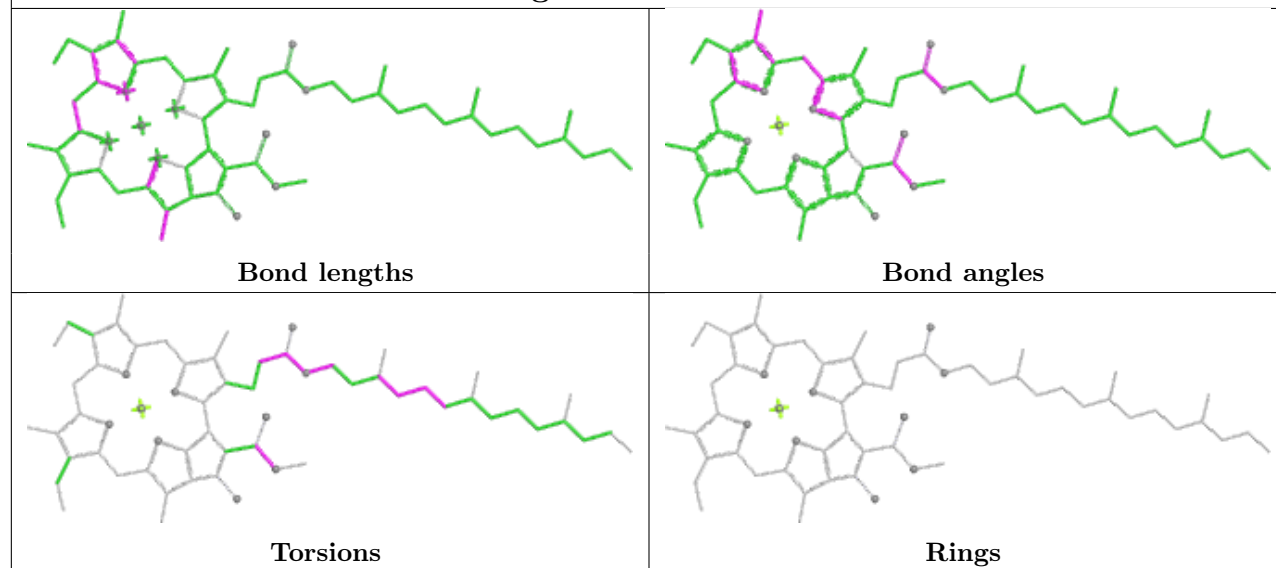




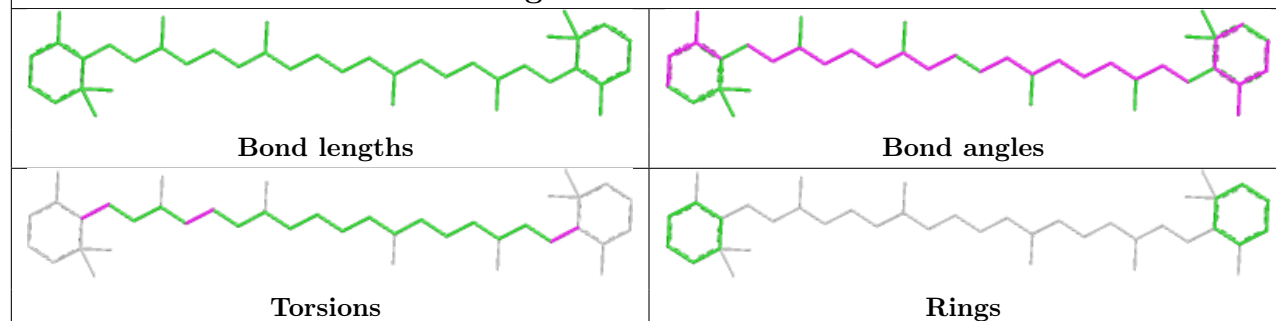
Ligand CLA aA 1132

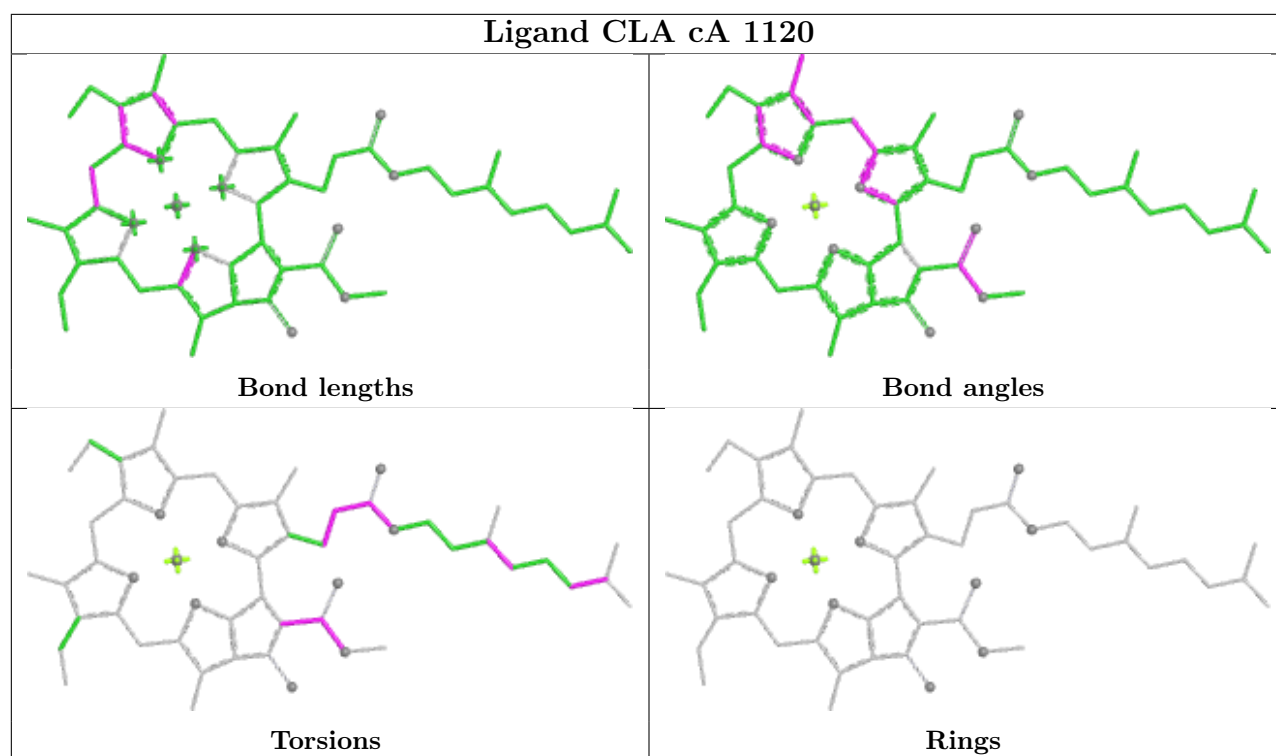


Ligand CLA X 510

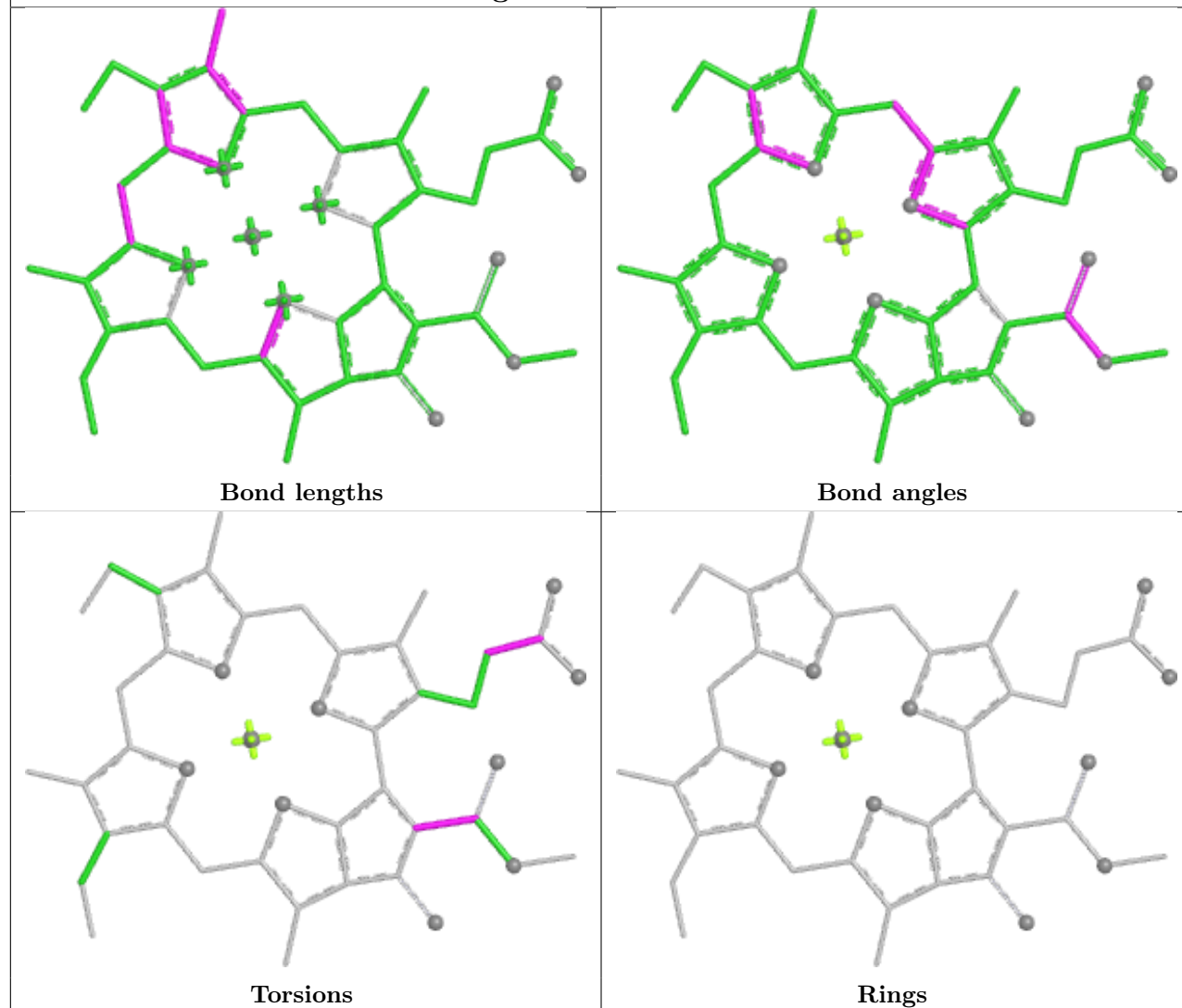


Ligand BCR W 521

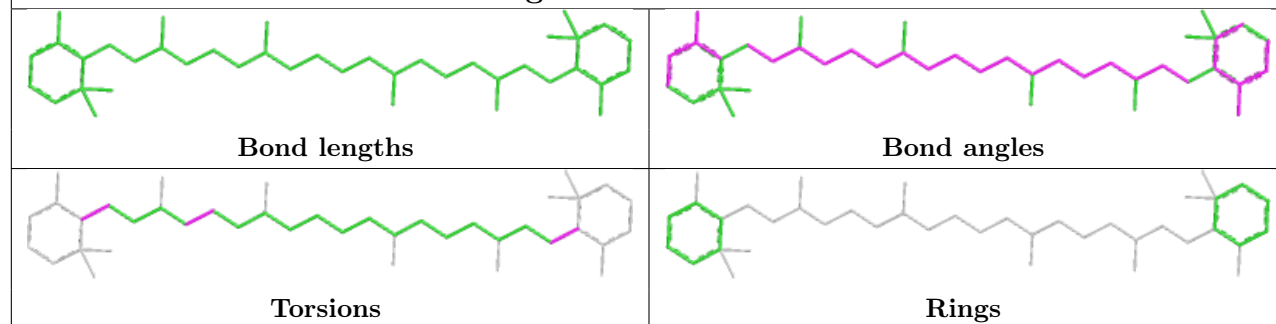




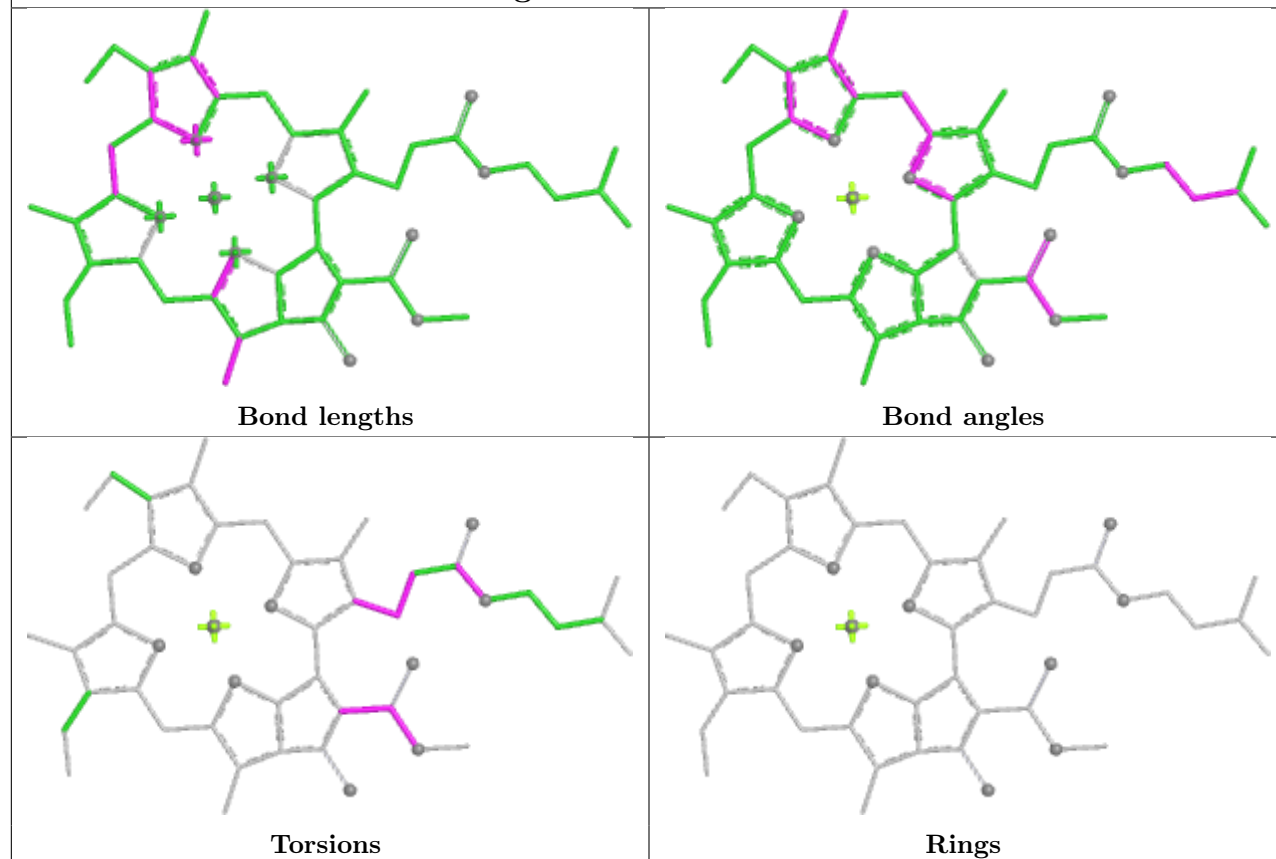
Ligand CLA V 507



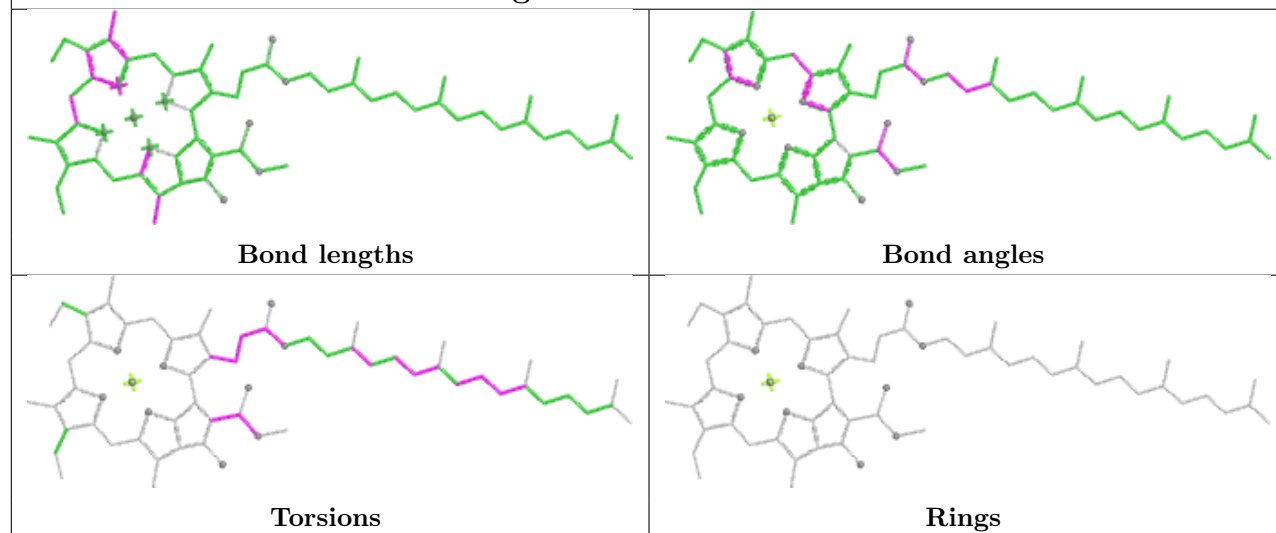
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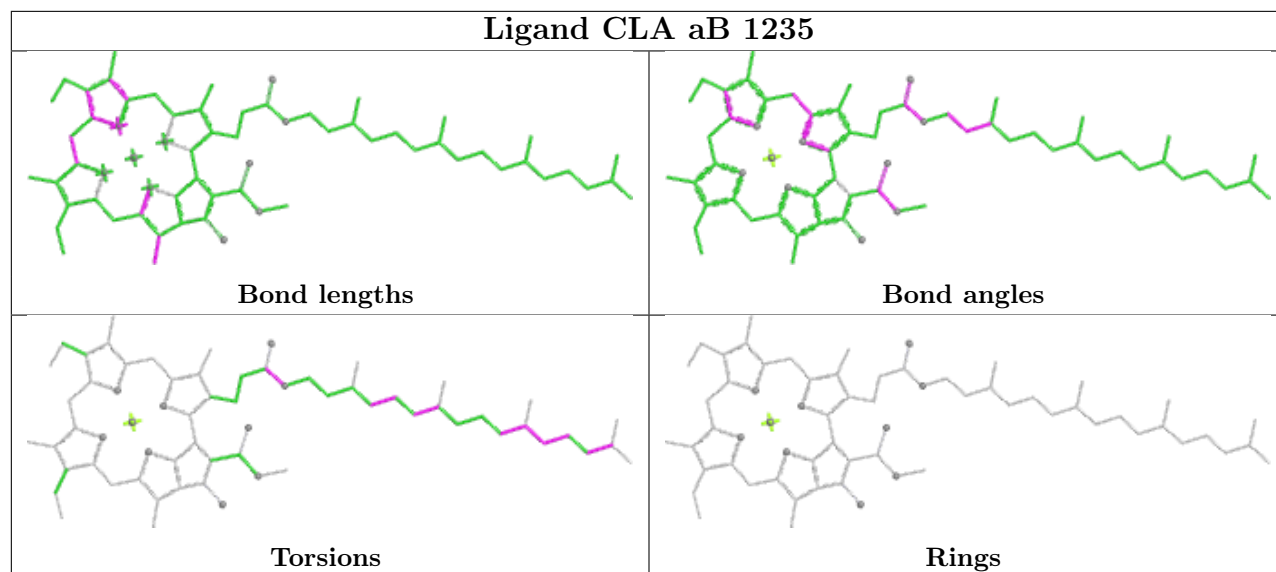
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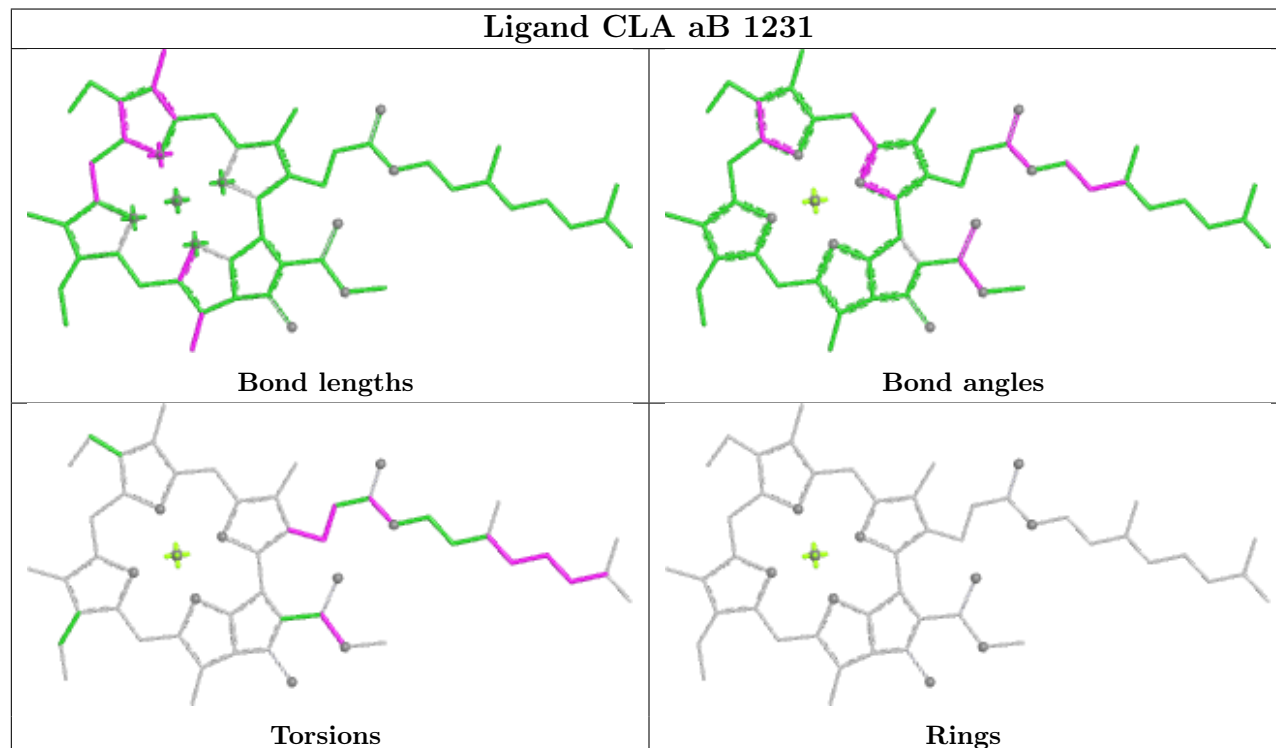
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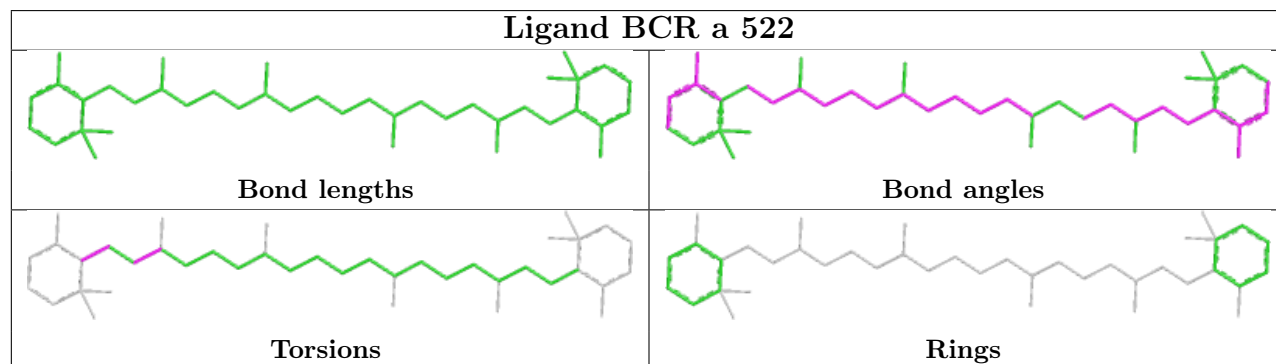
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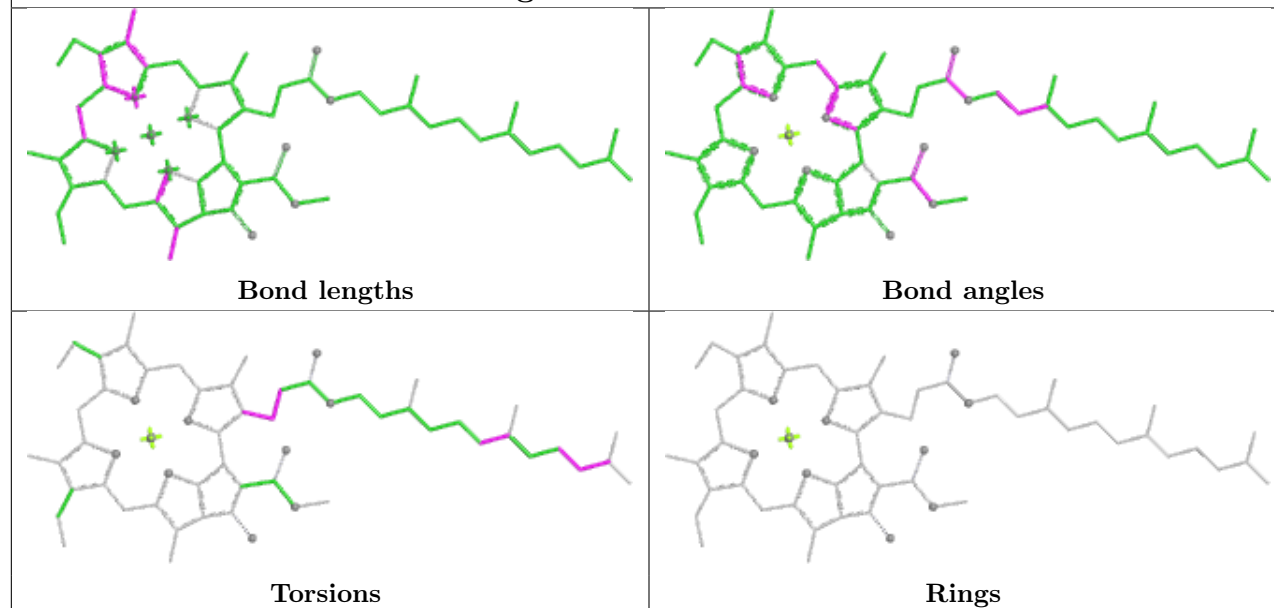
Ligand CLA aB 1231



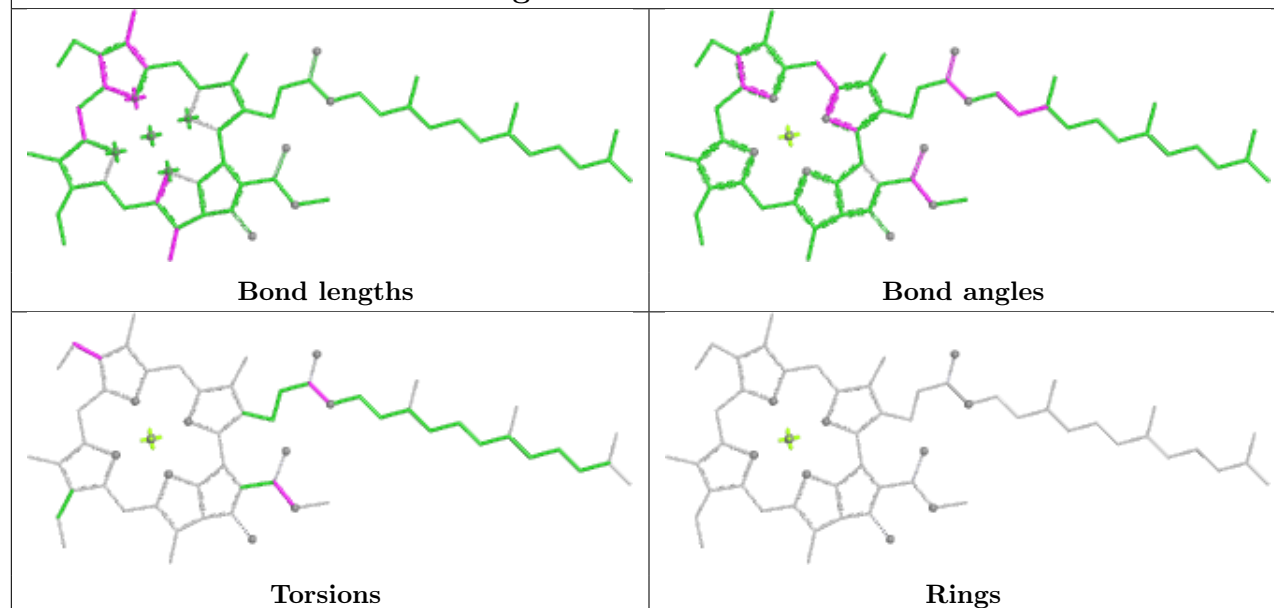
Ligand BCR a 522



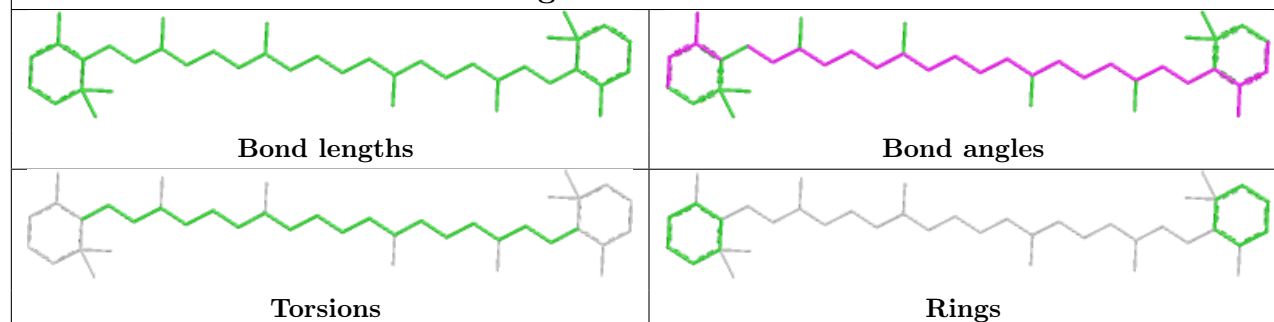
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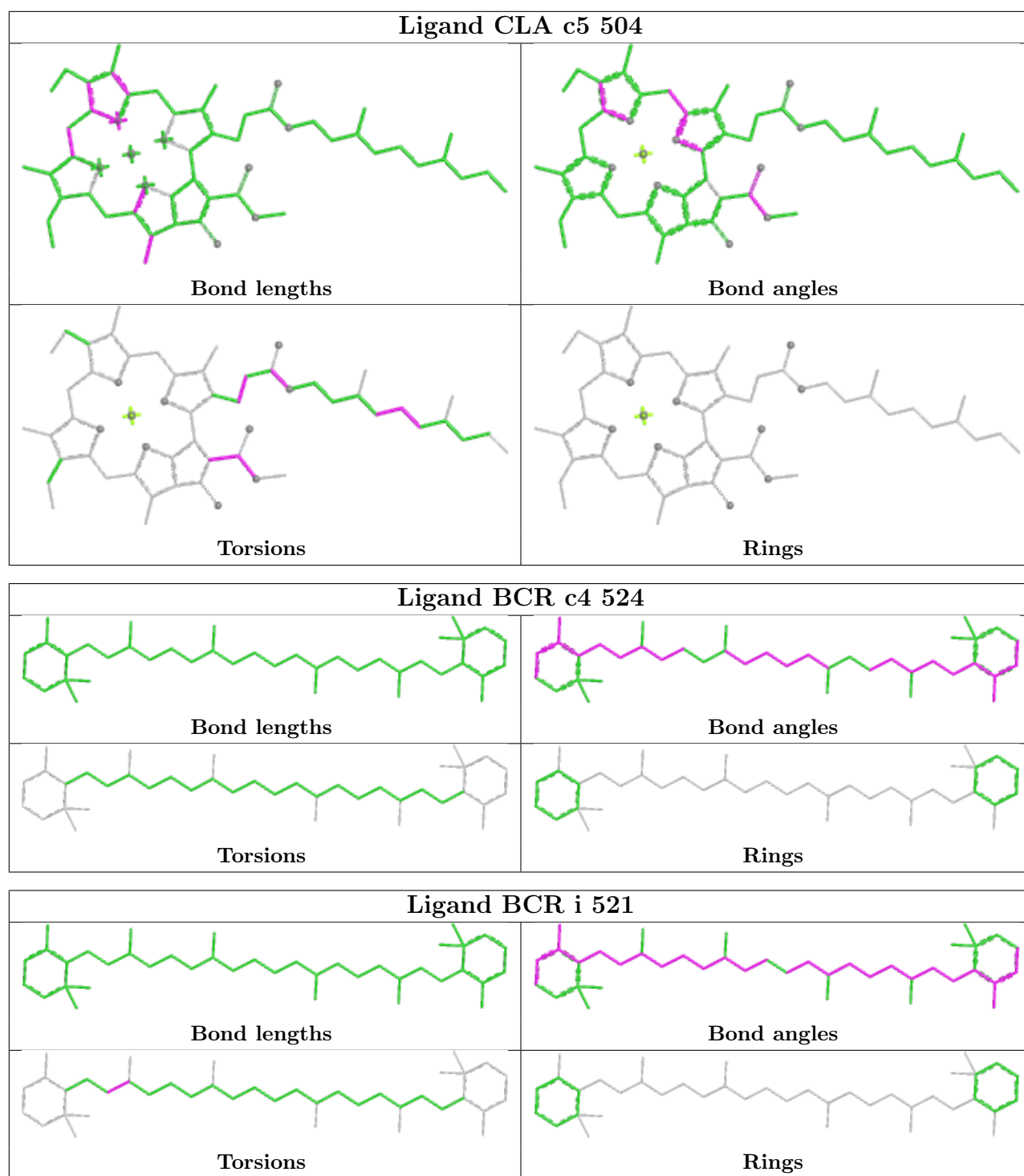


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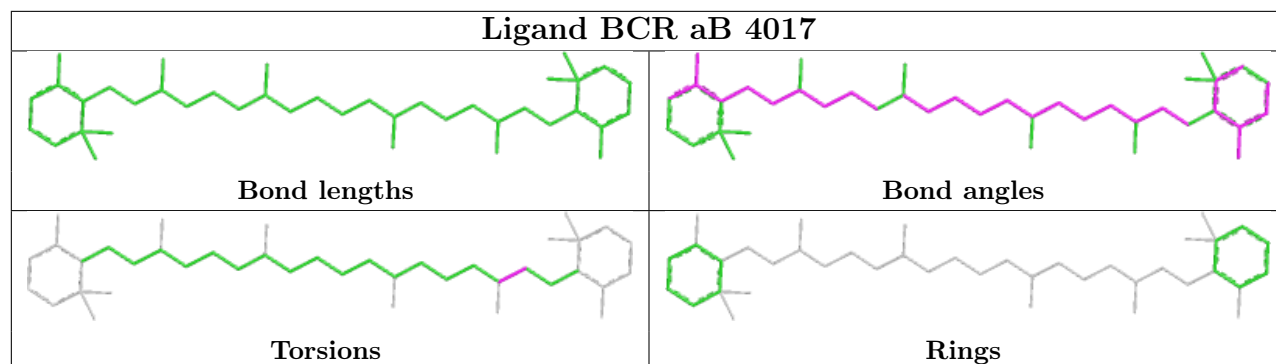


Ligand BCR f 521

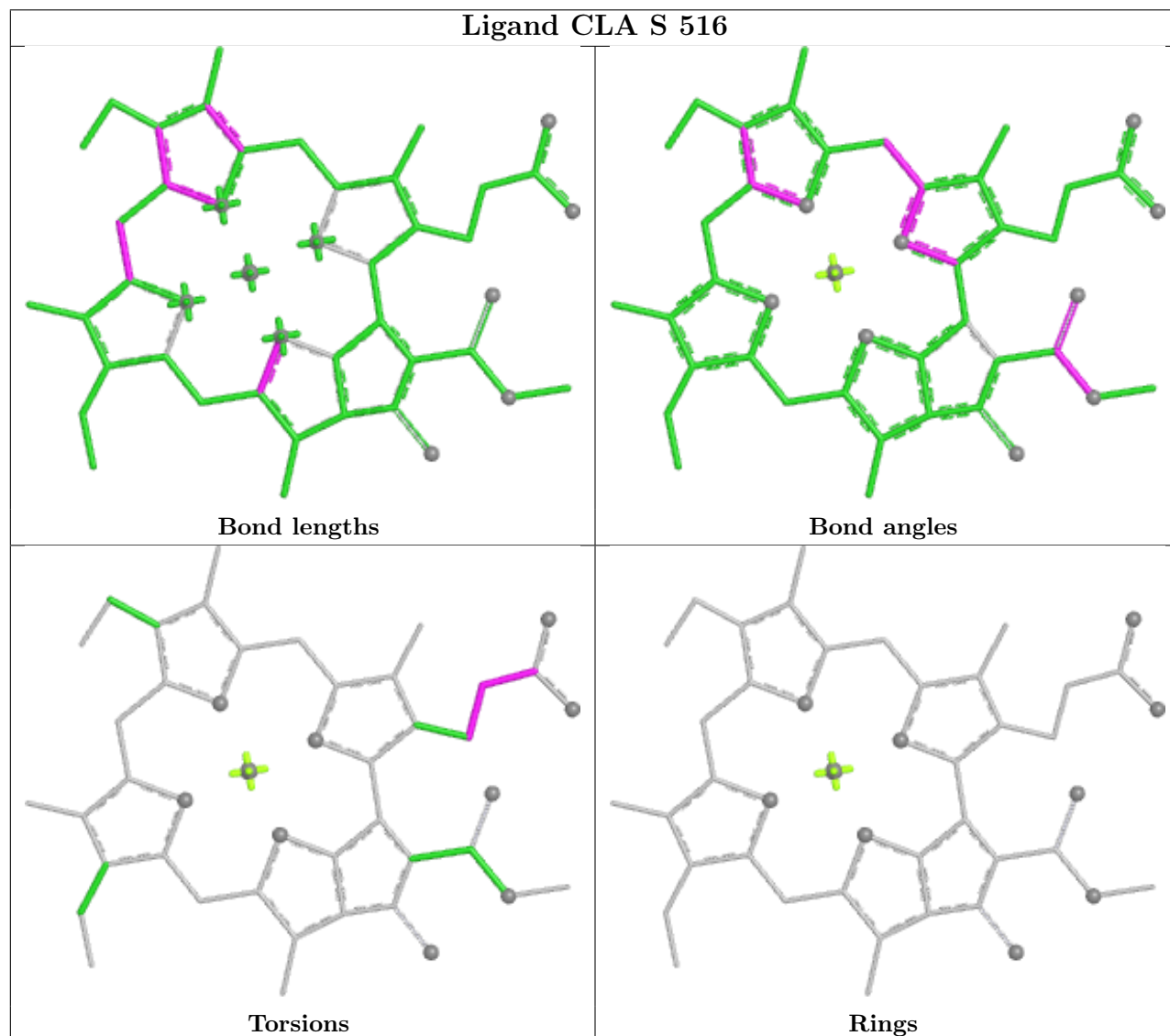


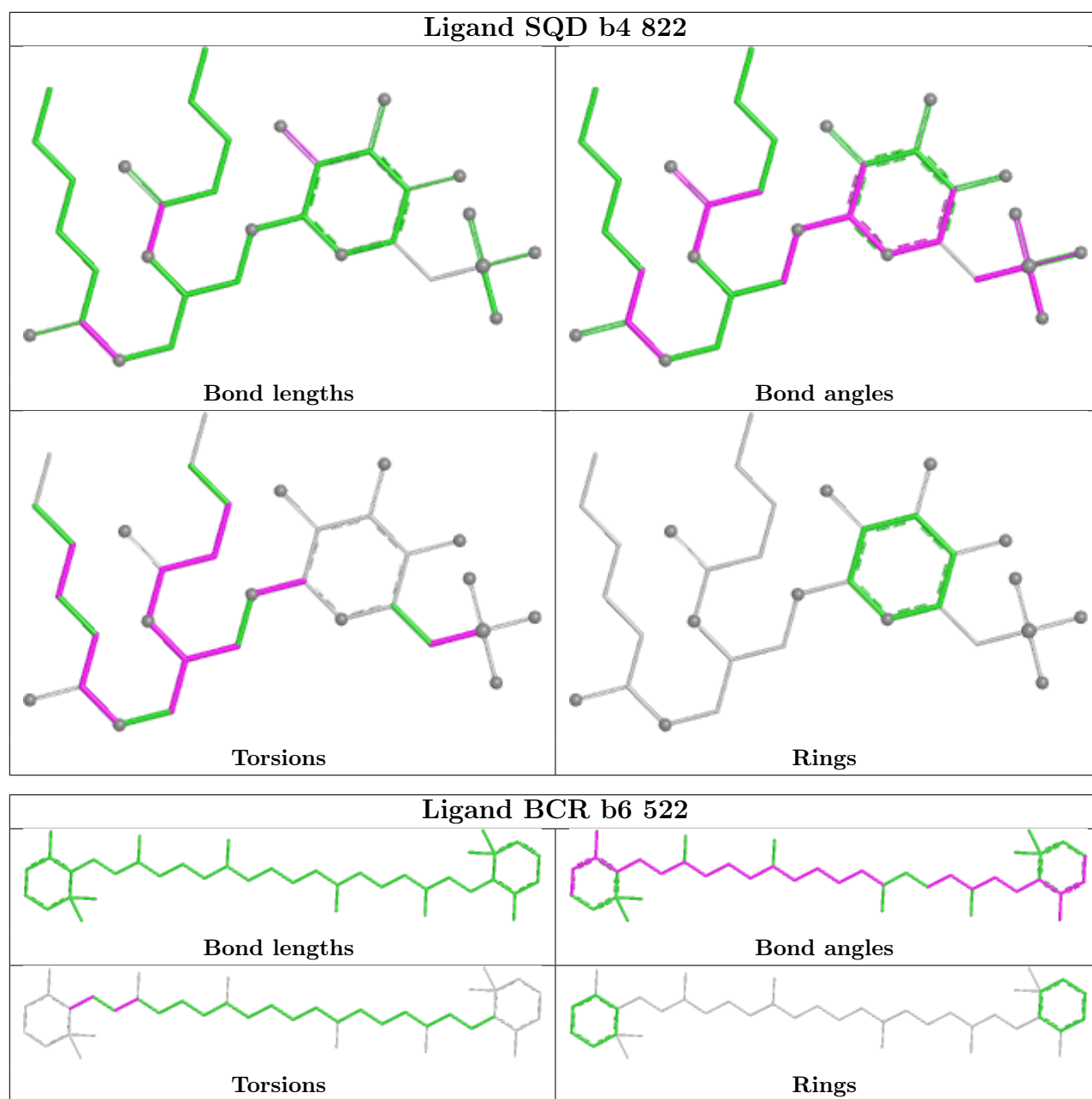


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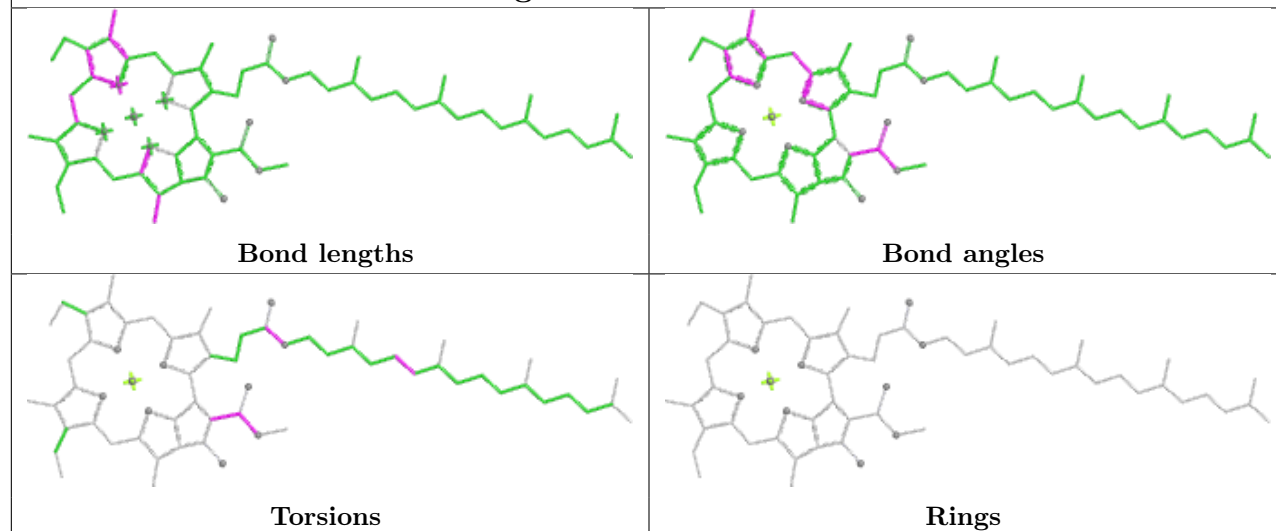


Ligand CLA S 516

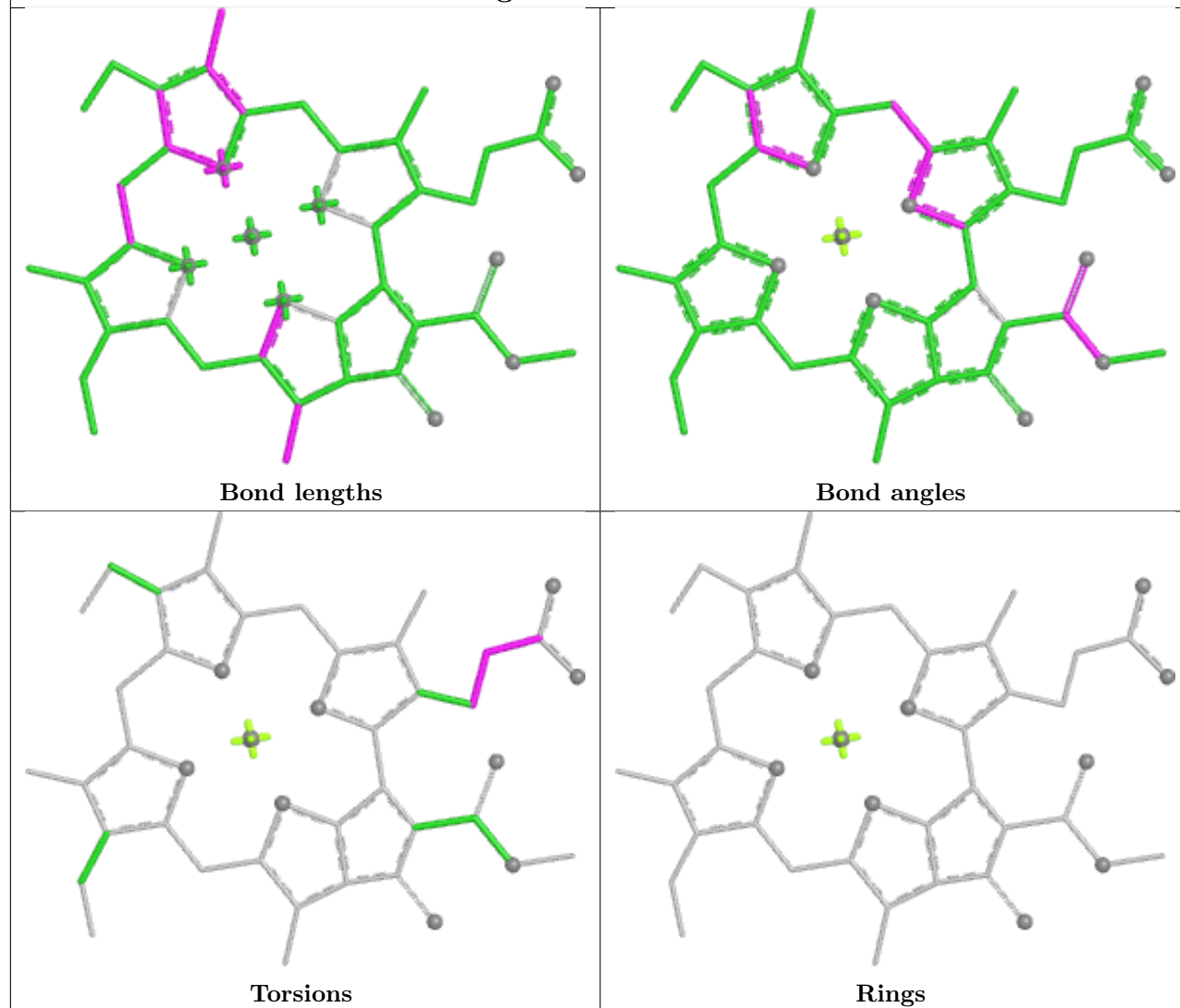




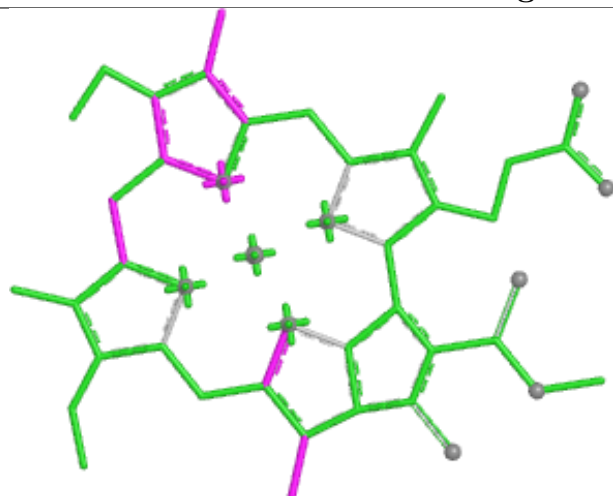
Ligand CLA cA 1128



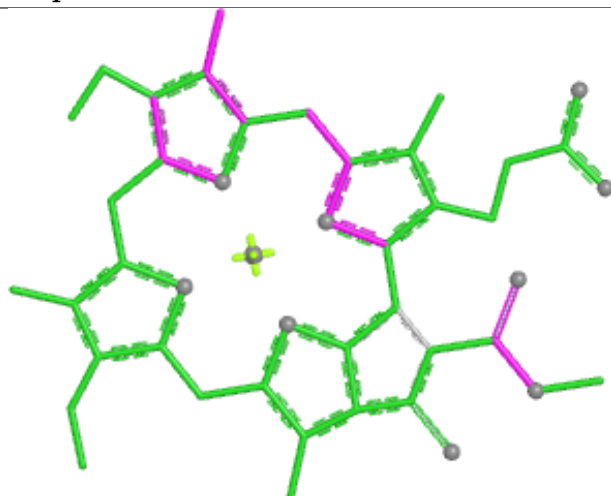
Ligand CLA e 511



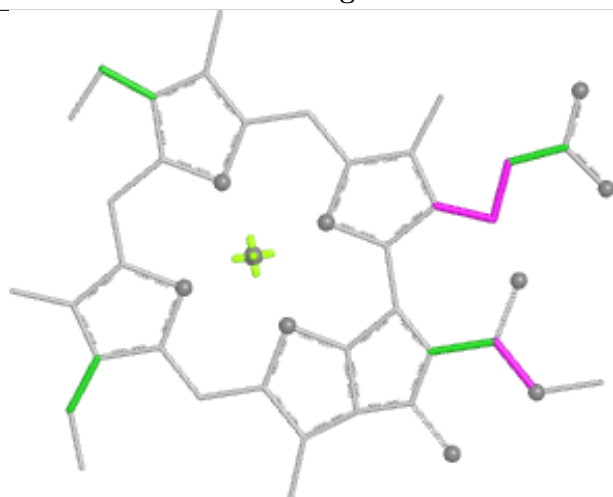
Ligand CLA p 508



Bond lengths



Bond angles

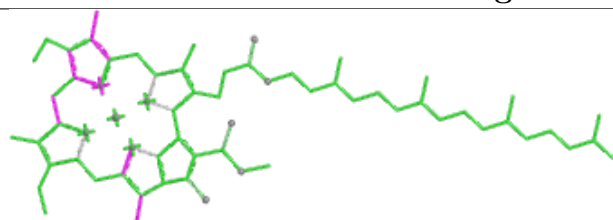


Torsions

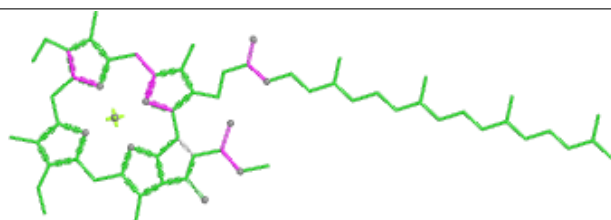


Rings

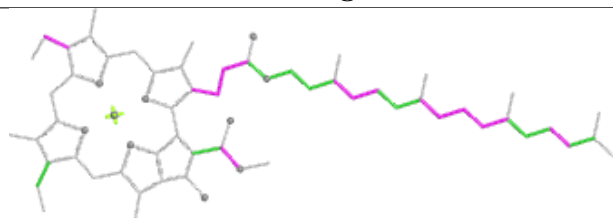
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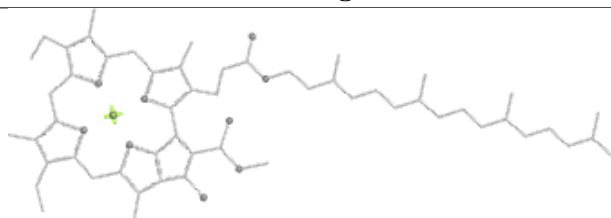
Bond lengths



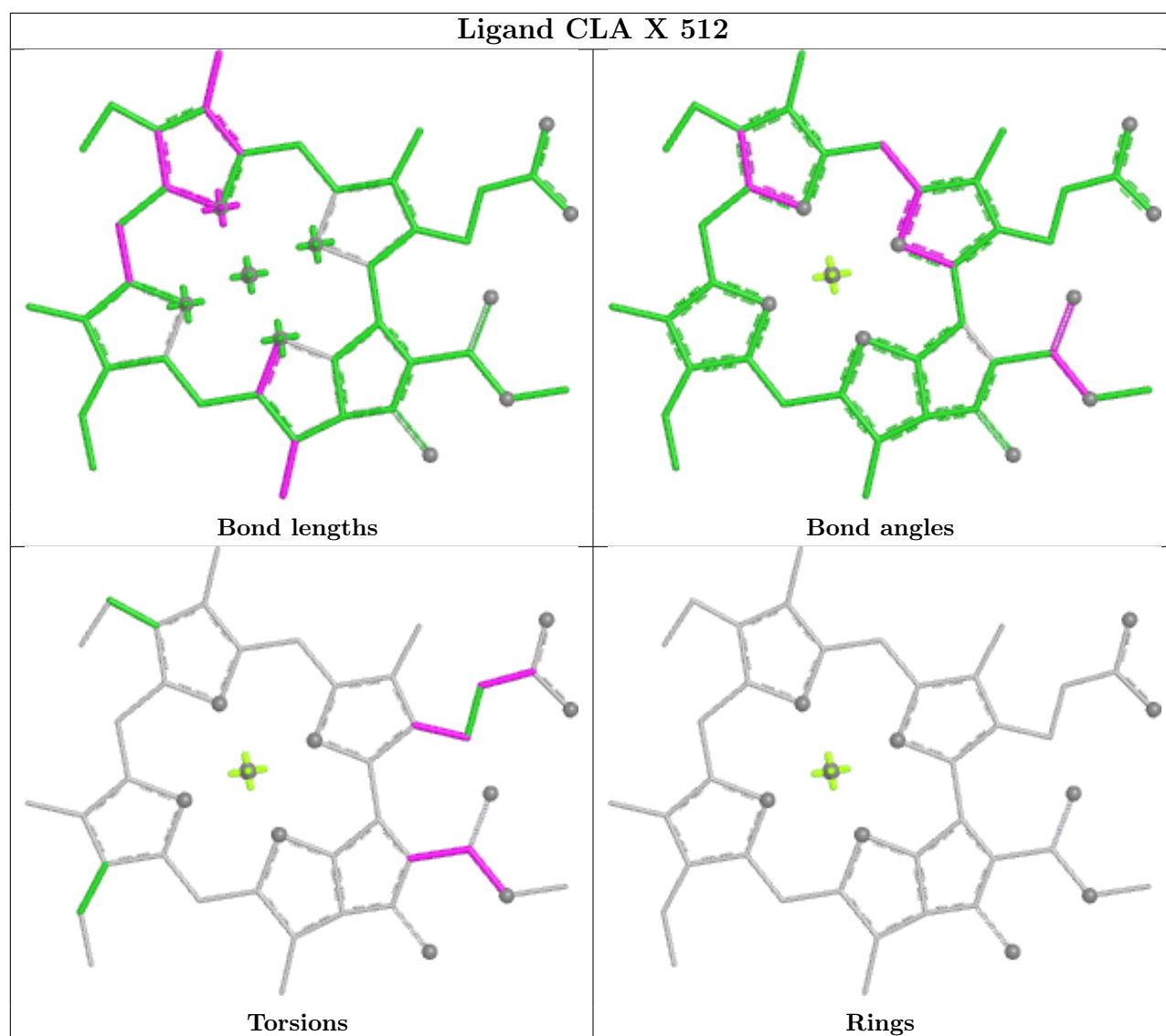
Bond angles



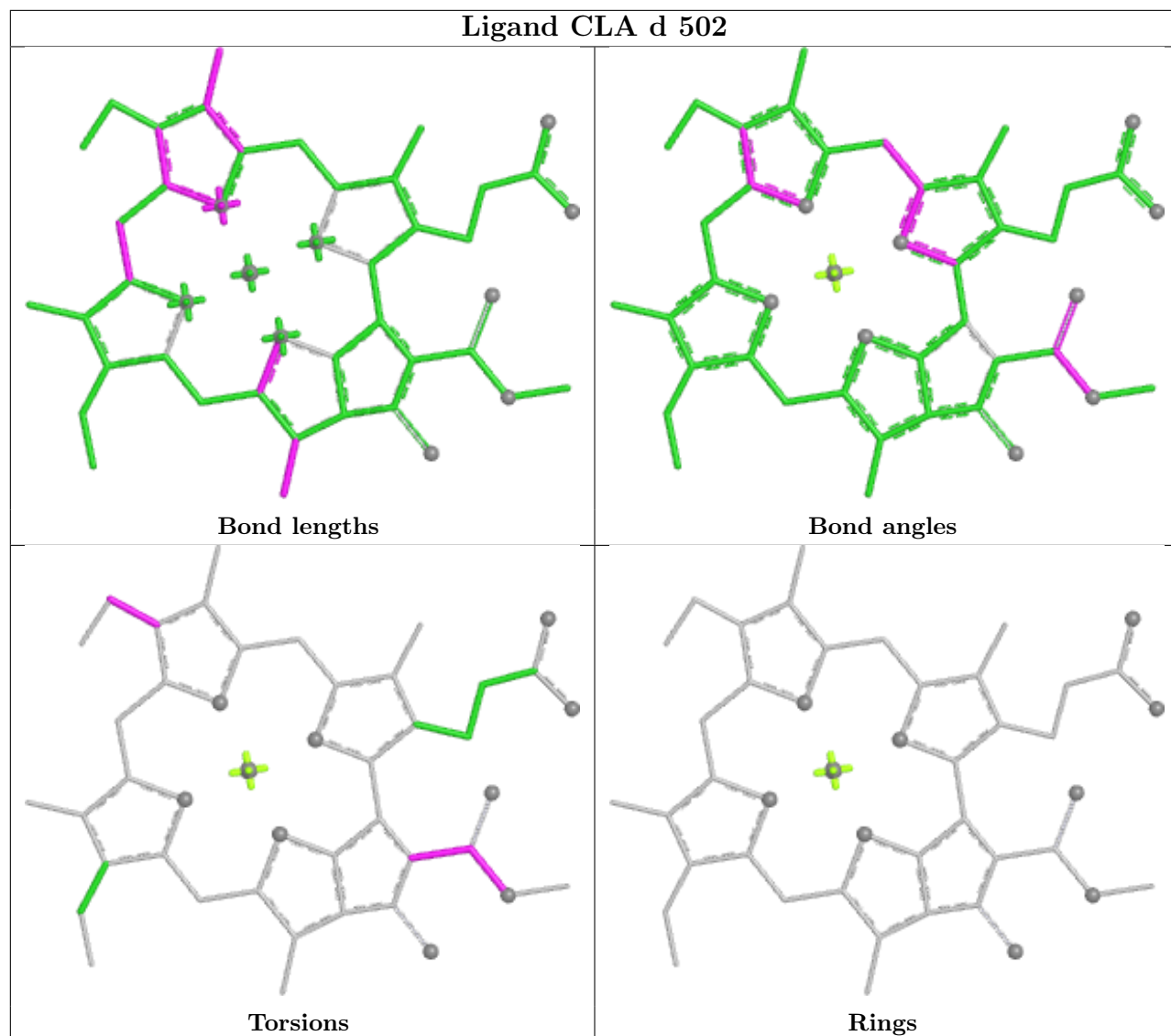
Torsions

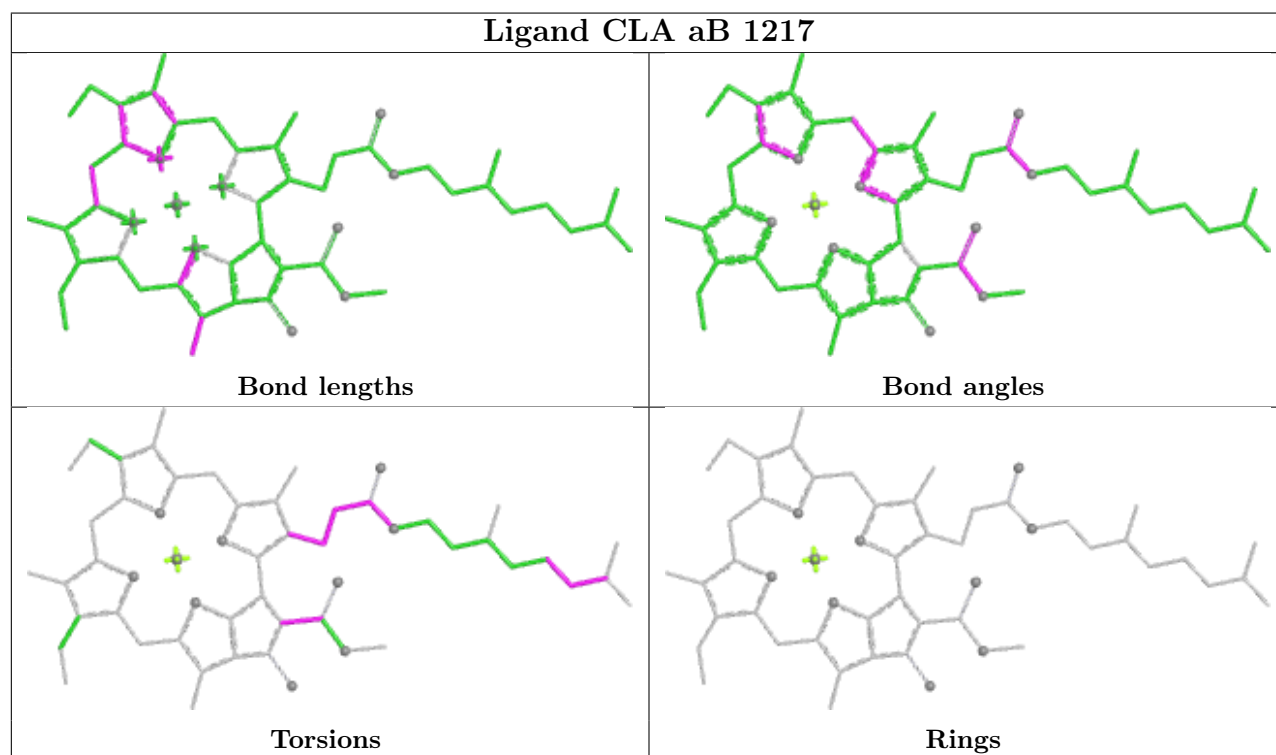
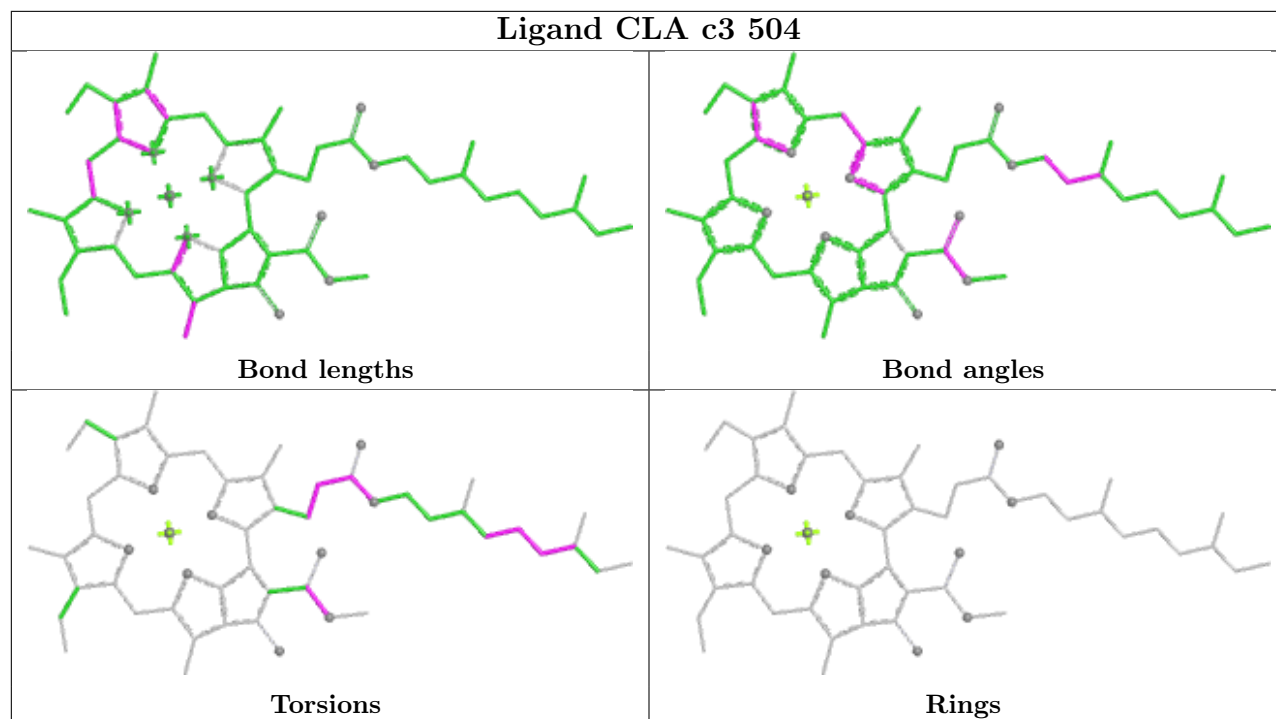


Rings

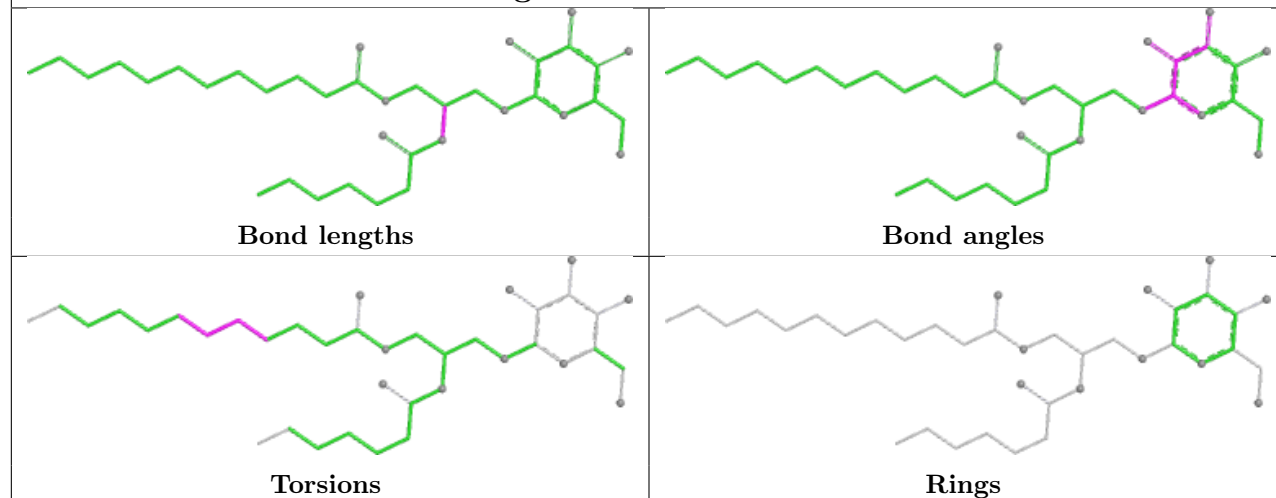


Ligand CLA d 502

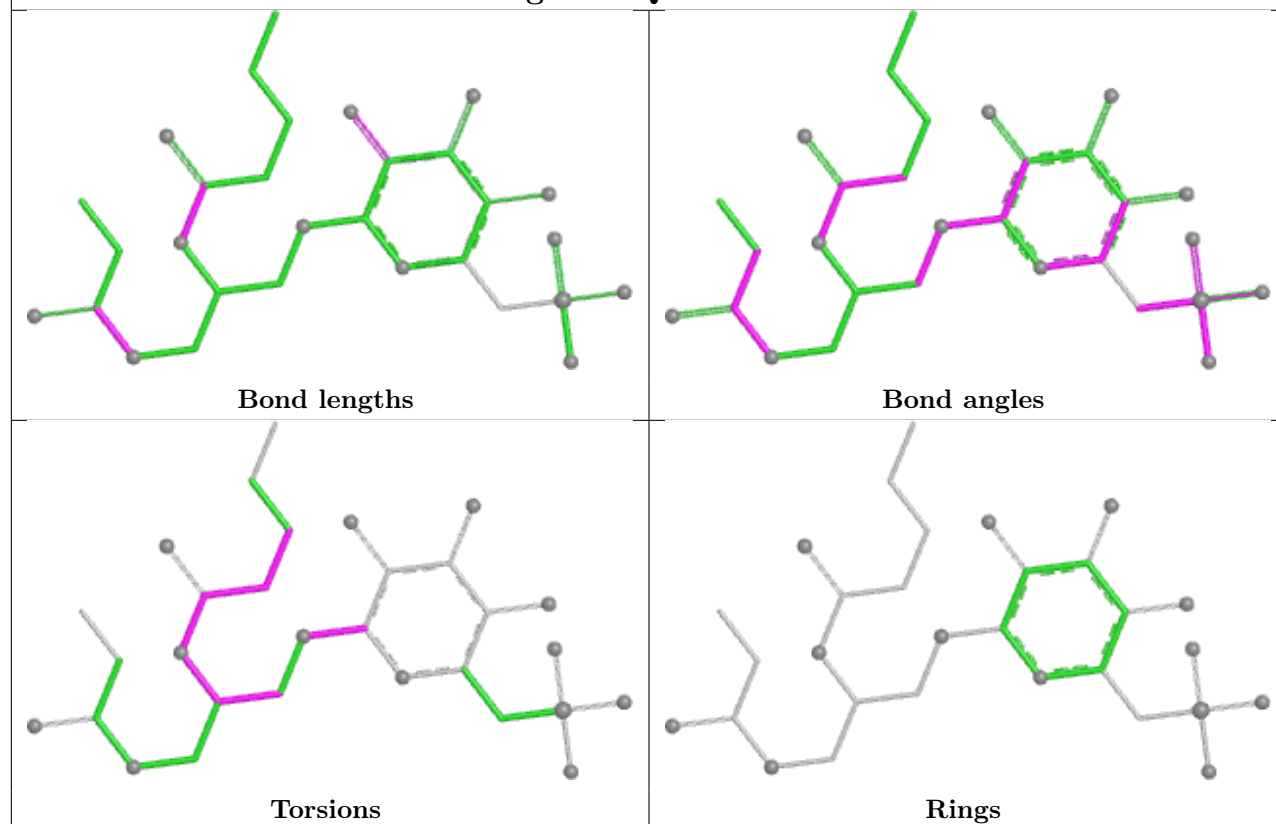




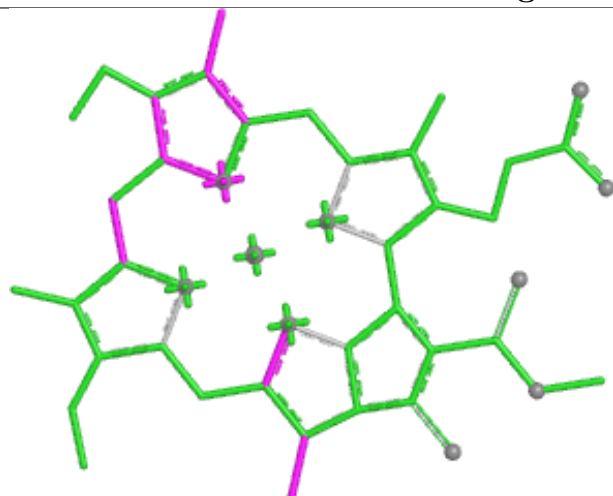
Ligand LMG a6 5104



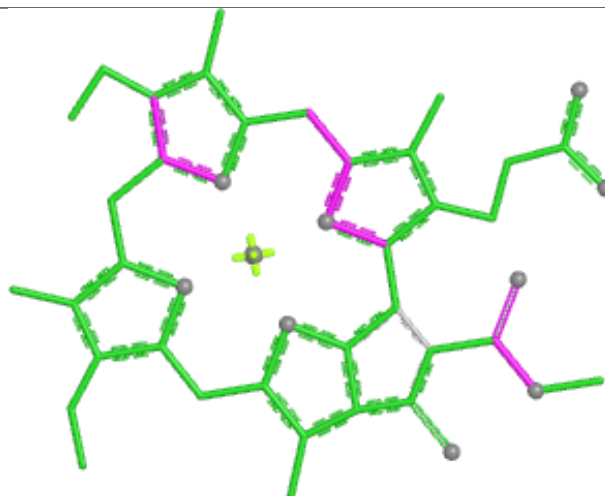
Ligand SQD b6 822



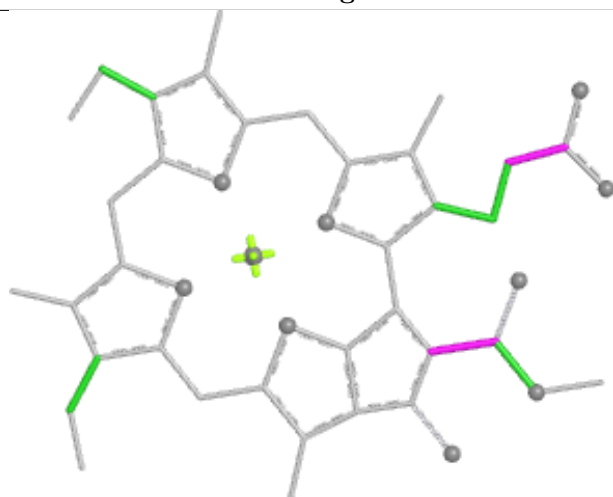
Ligand CLA k 507



Bond lengths



Bond angles

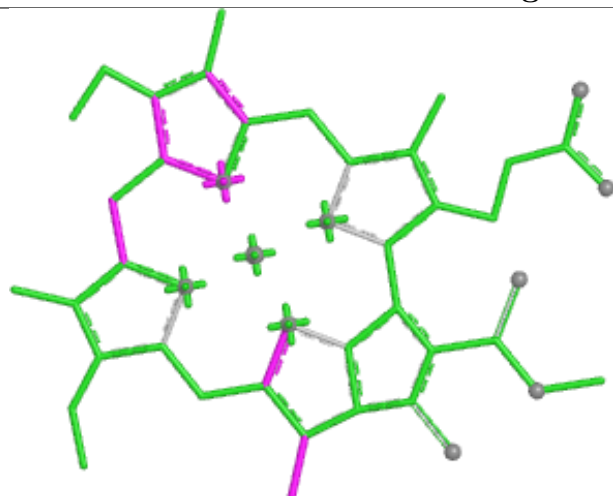


Torsions

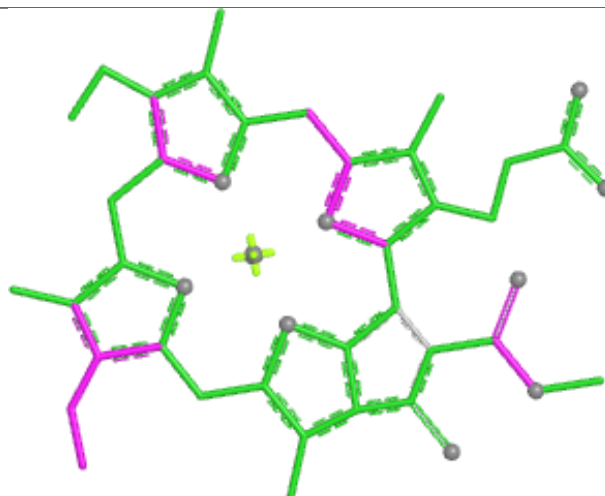


Rings

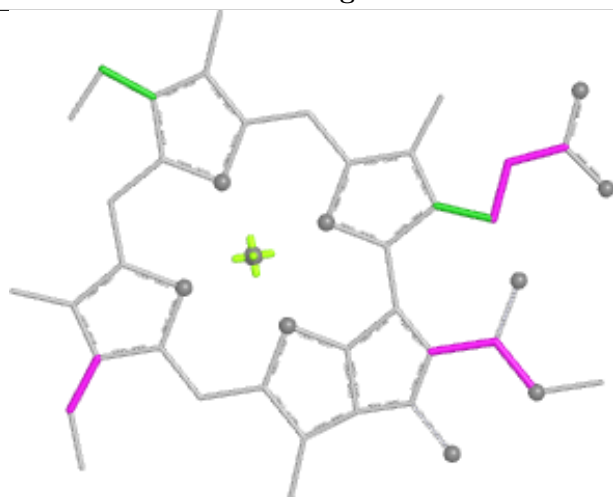
Ligand CLA f 516



Bond lengths



Bond angles

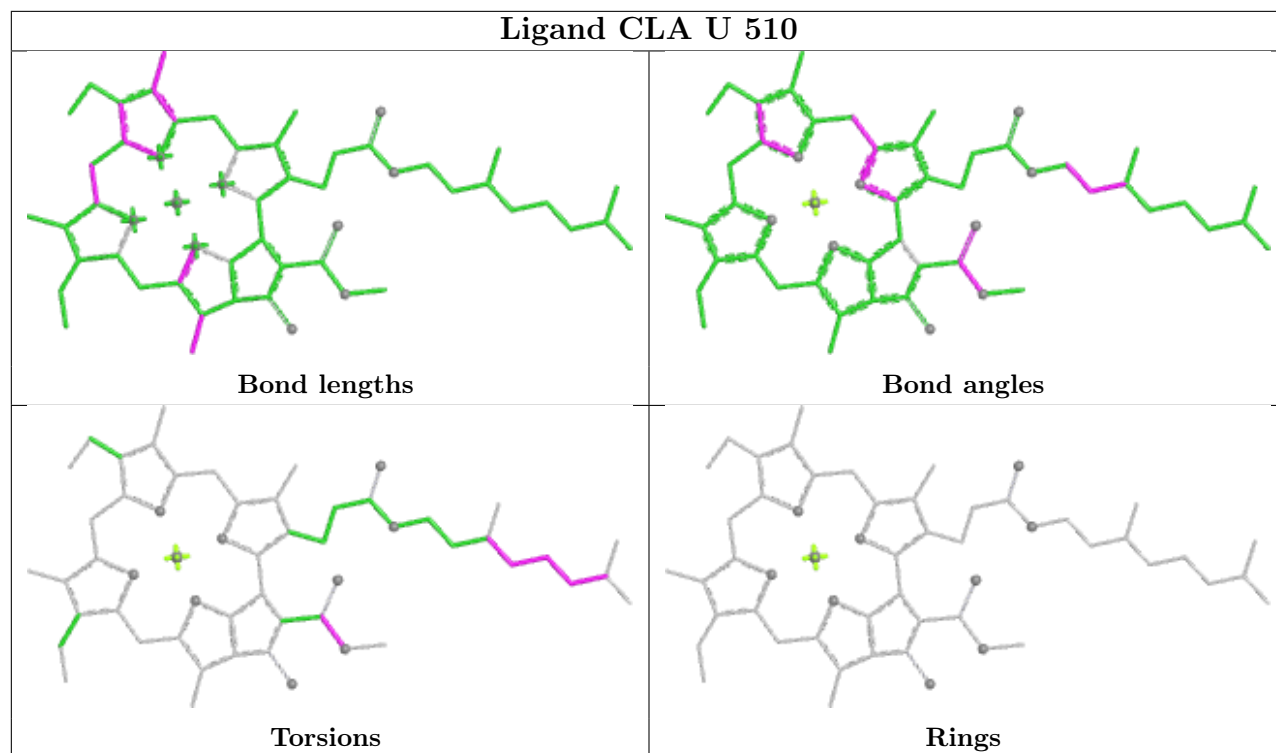


Torsions

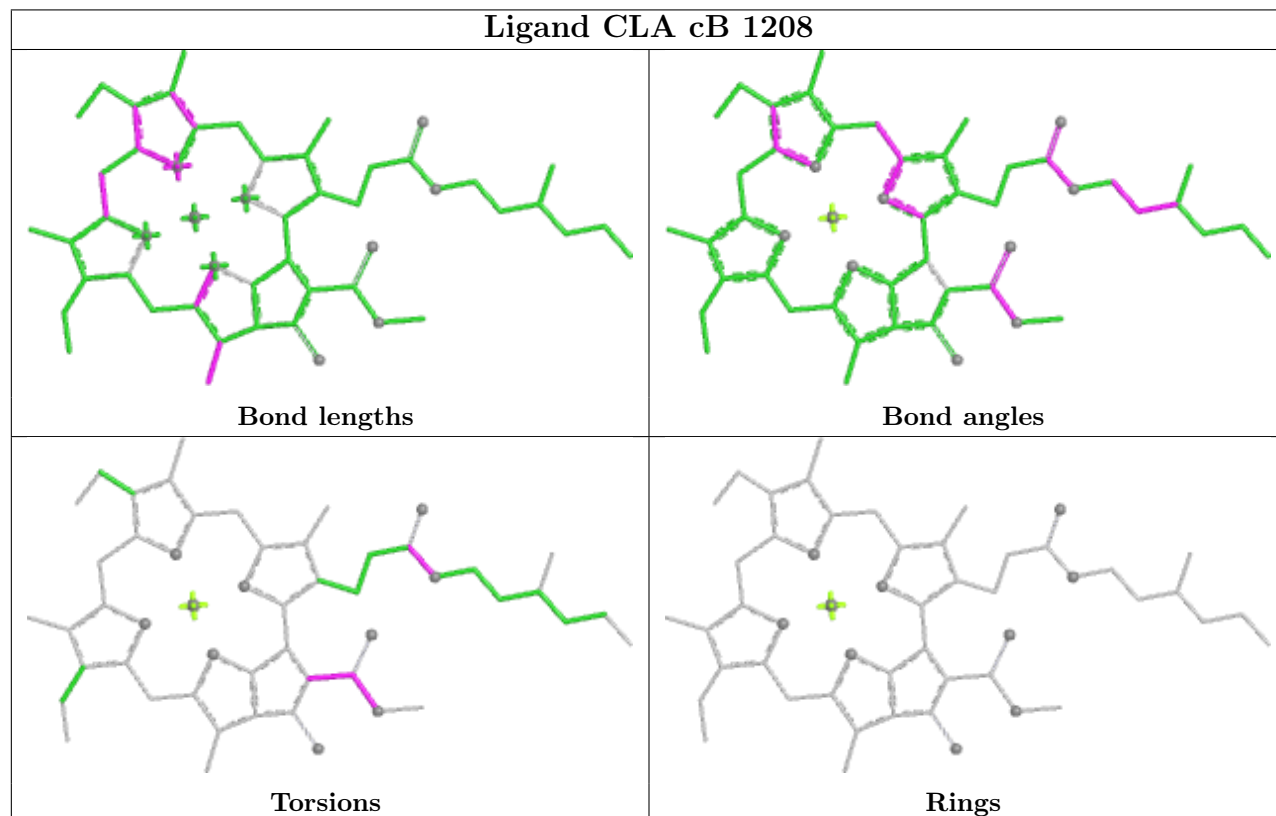


Rings

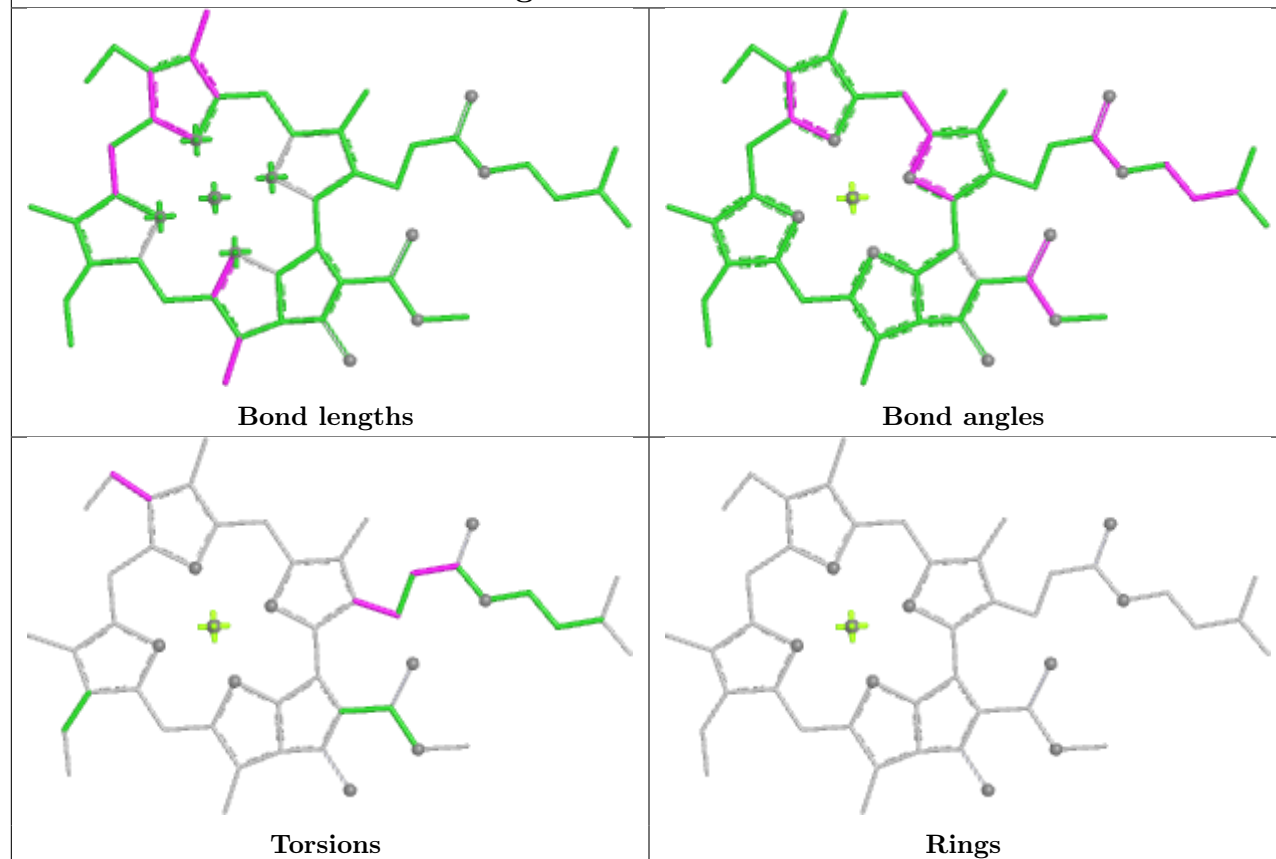
Ligand CLA U 510



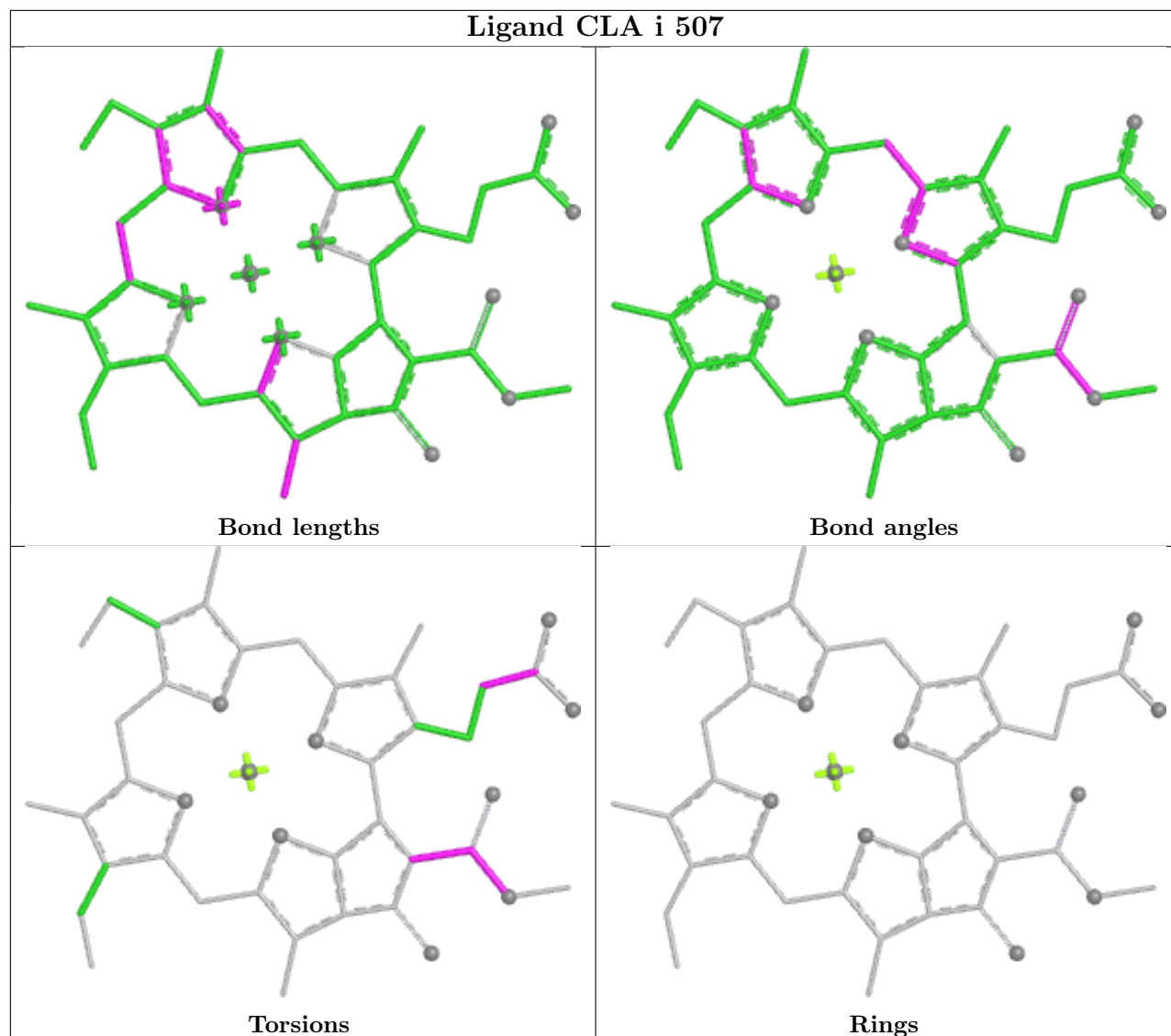
Ligand CLA cB 1208



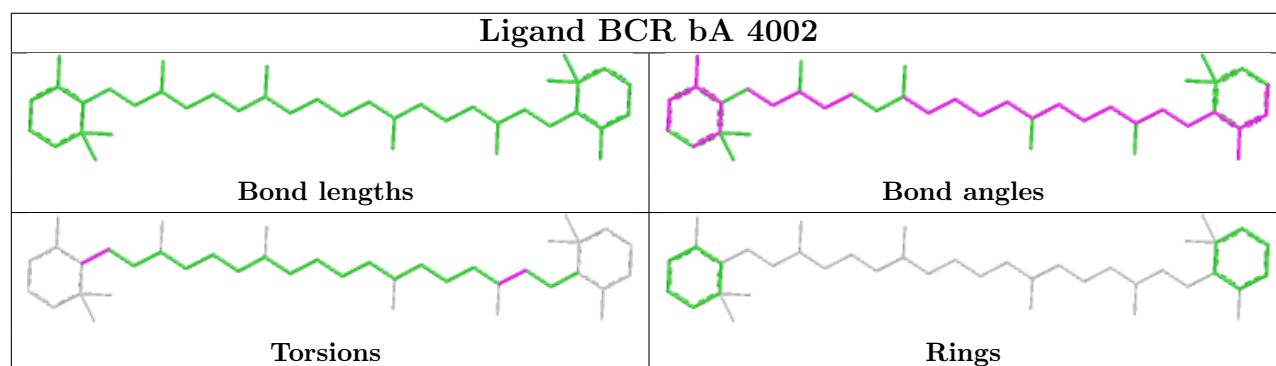
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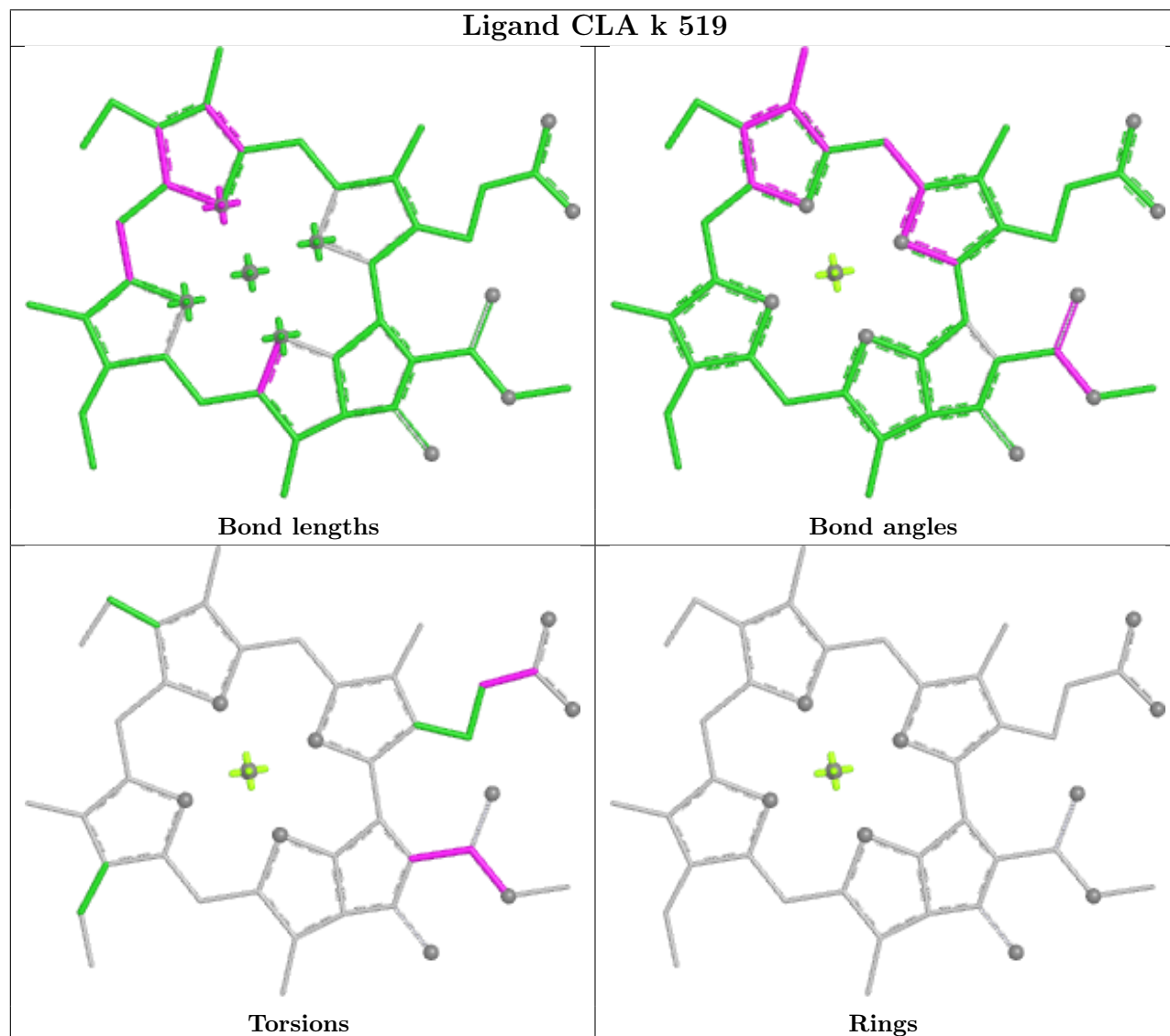
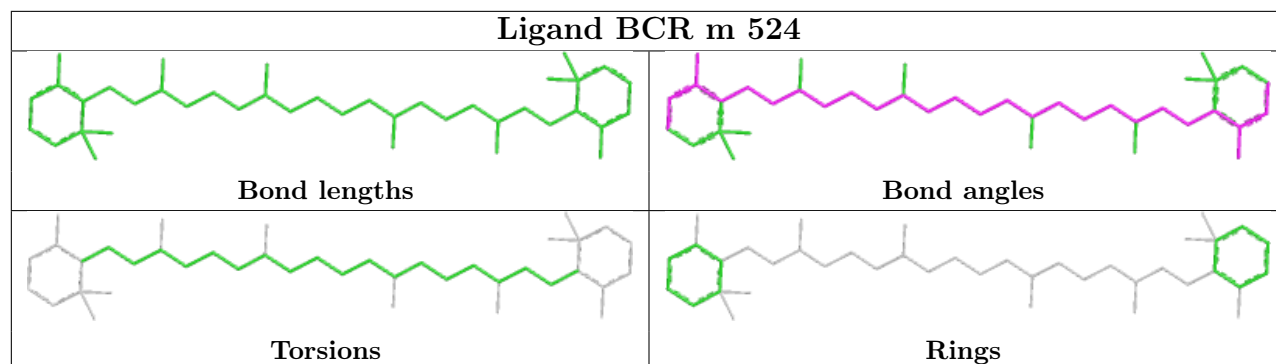


Ligand CLA i 507

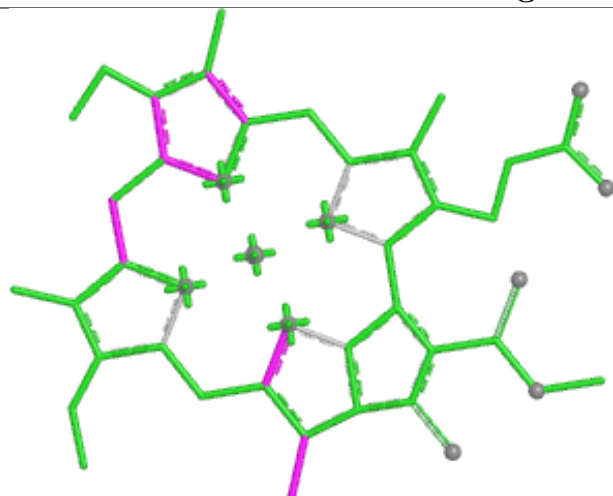


Ligand BCR bA 4002

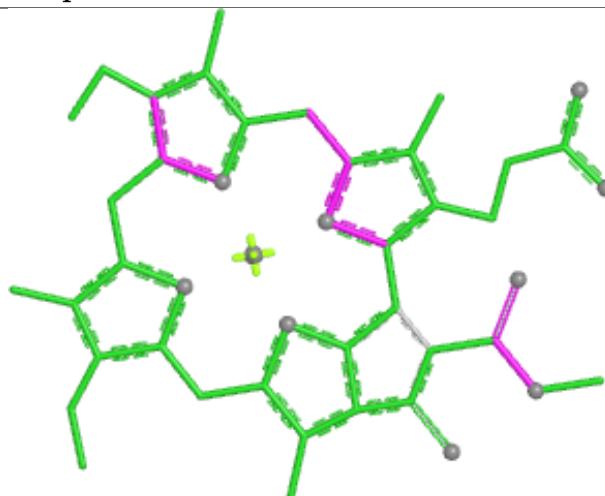




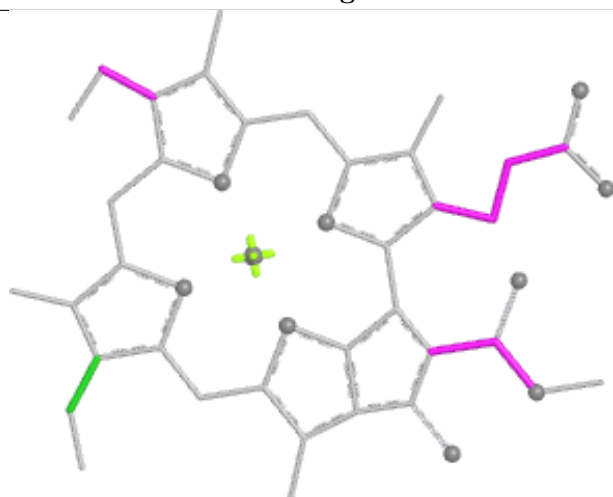
Ligand CLA q 519



Bond lengths



Bond angles

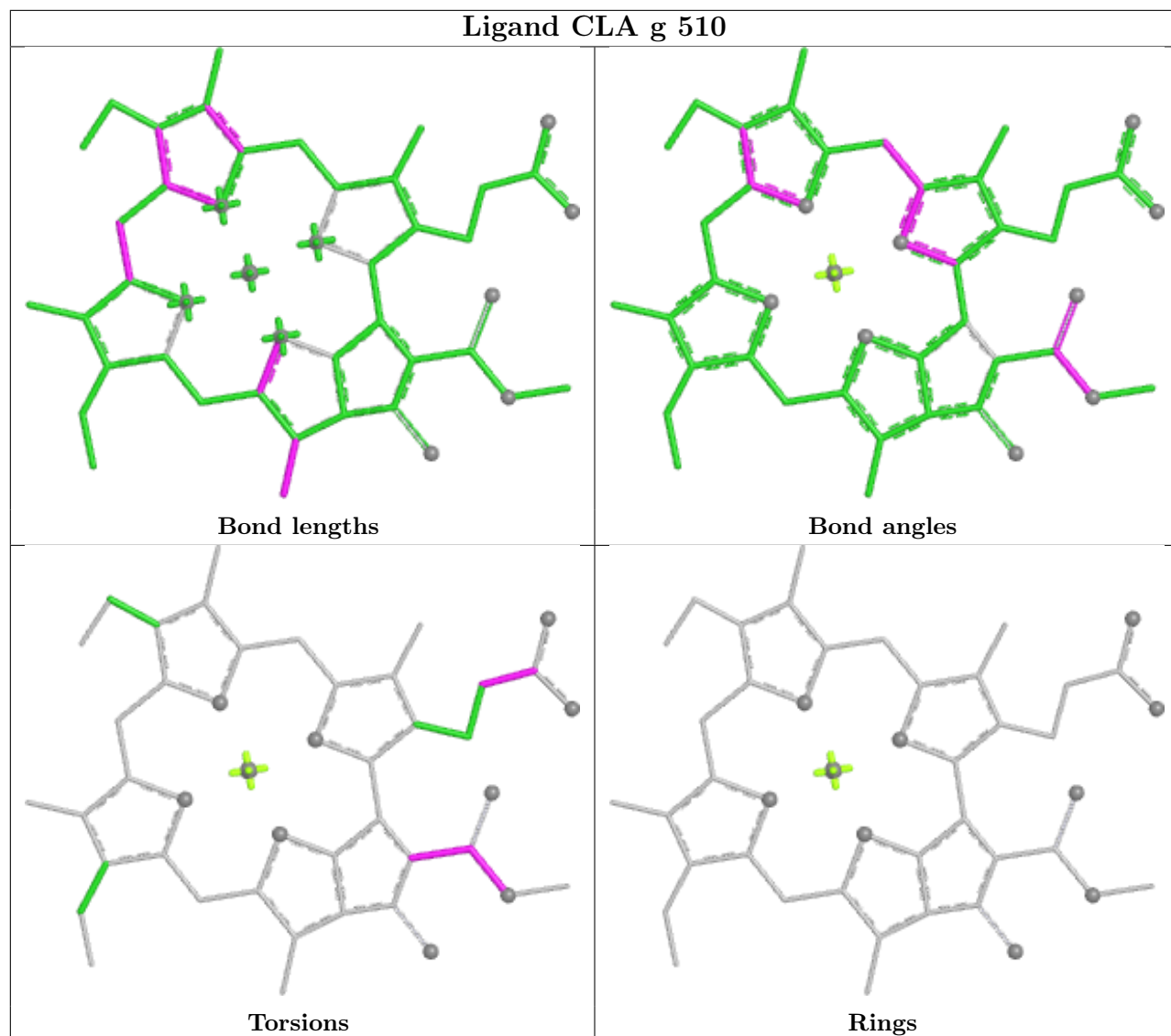


Torsions

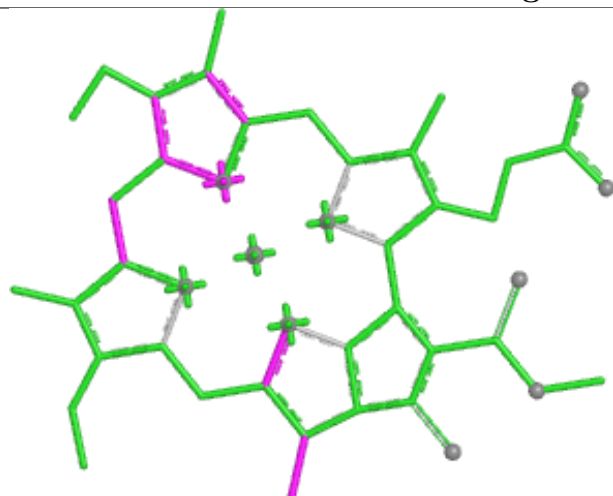


Rings

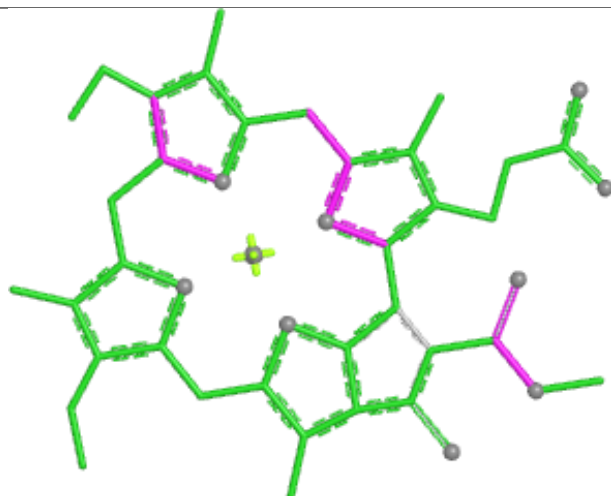
Ligand CLA g 510



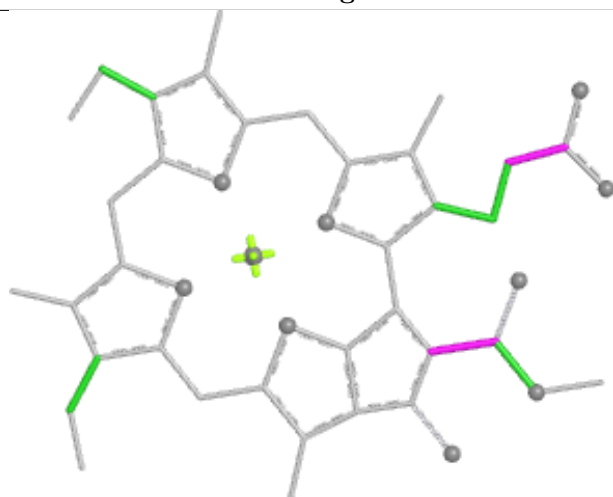
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Bond lengths



Bond angles

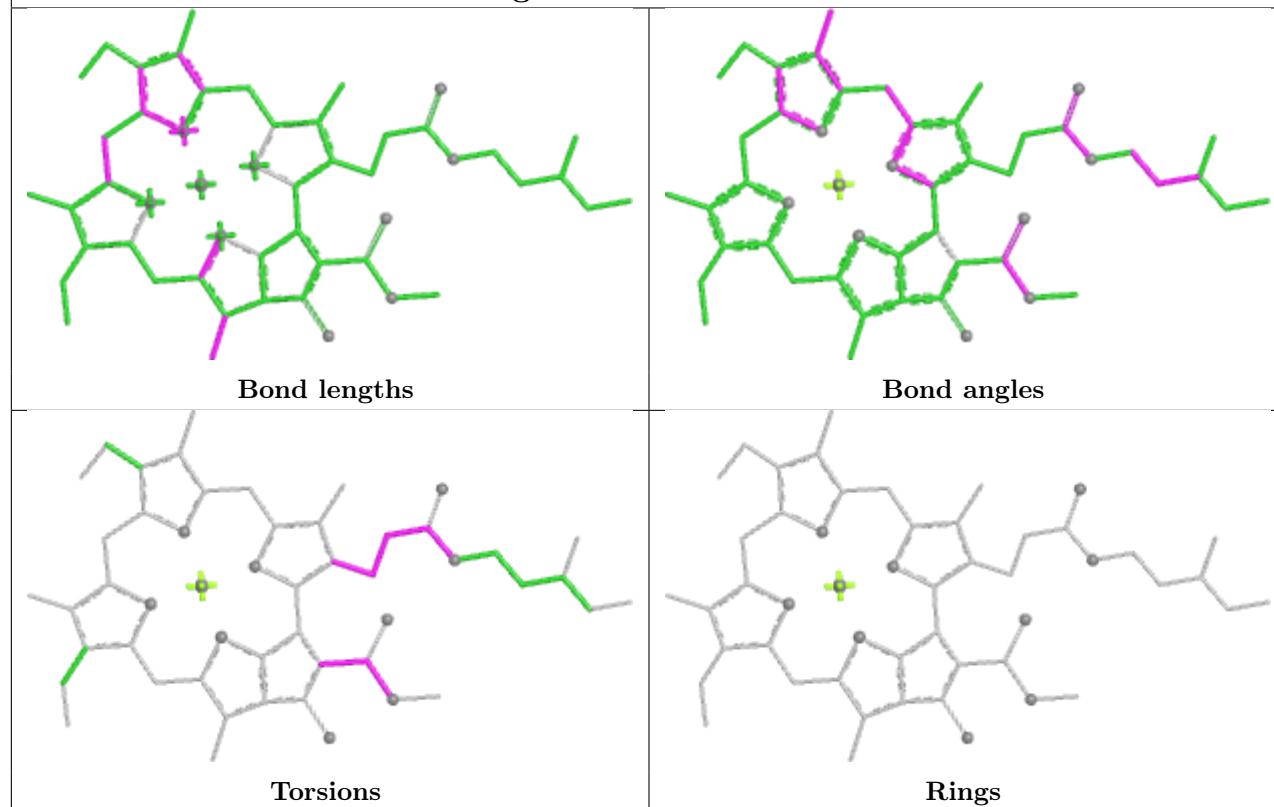


Torsions

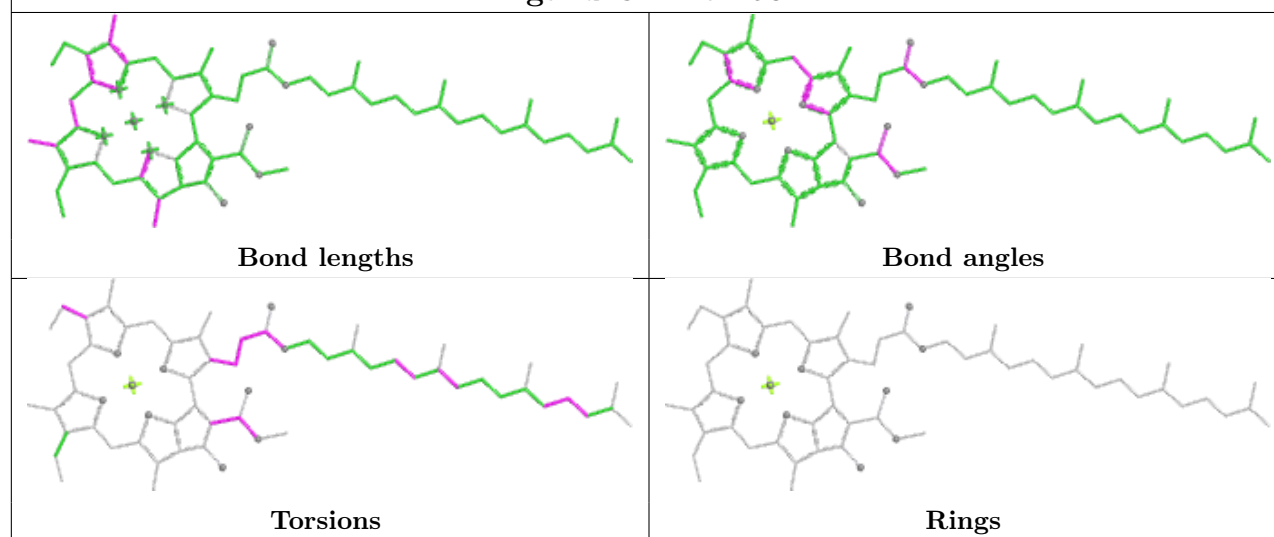


Rings

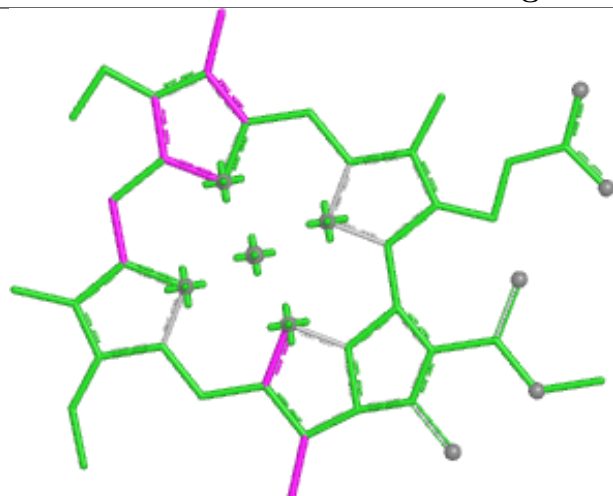
Ligand CLA bA 1135



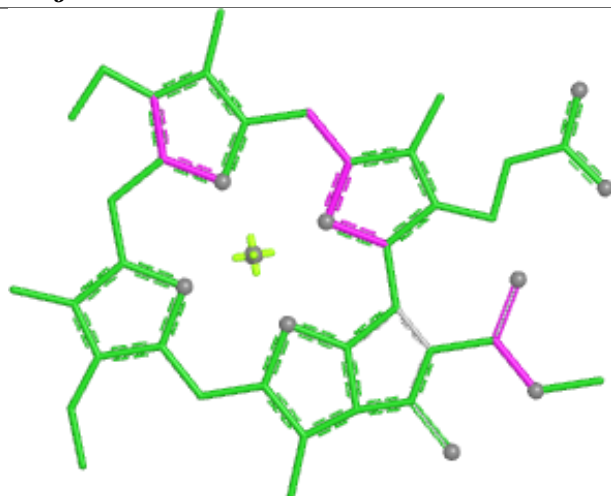
Ligand CLA b1 501



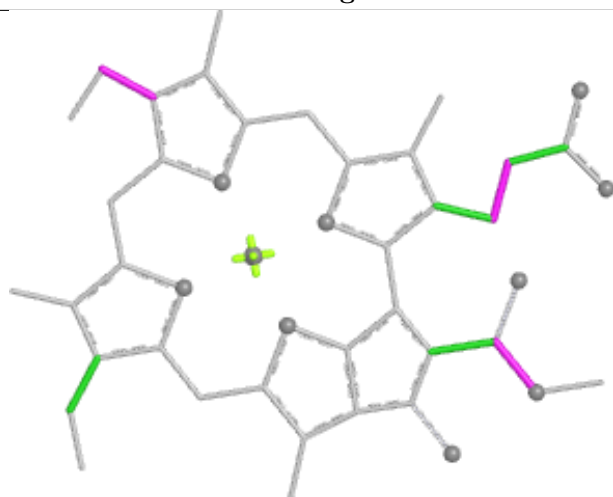
Ligand CLA j 519



Bond lengths



Bond angles

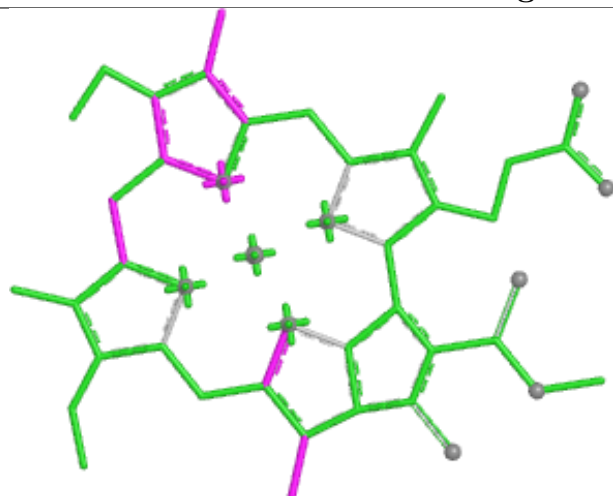


Torsions



Rings

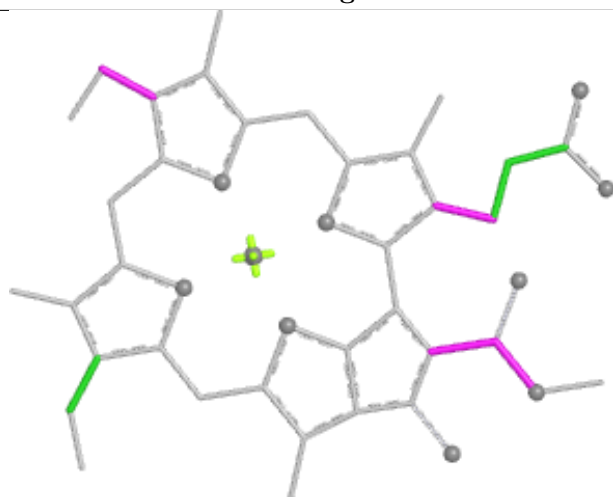
Ligand CLA S 517



Bond lengths



Bond angles

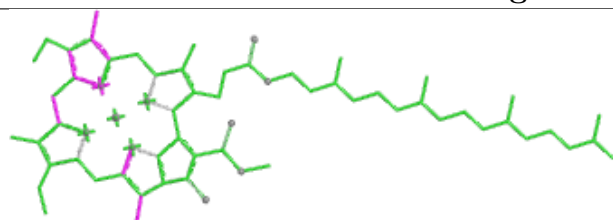


Torsions

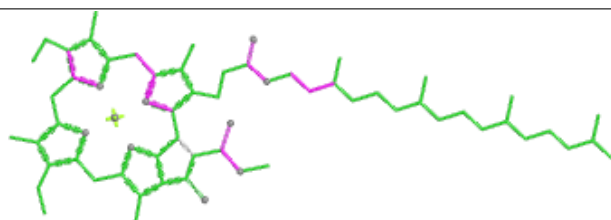


Rings

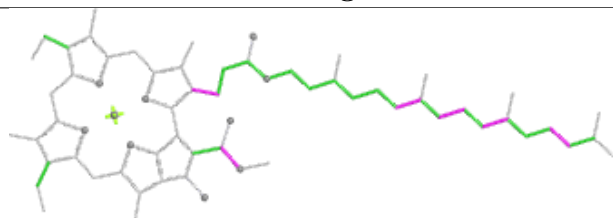
Ligand CLA a6 509



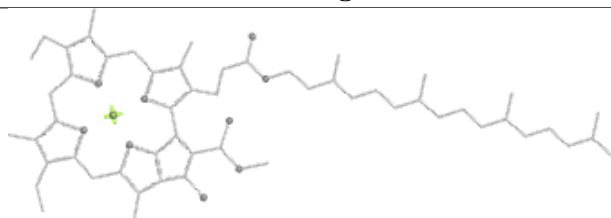
Bond lengths



Bond angles

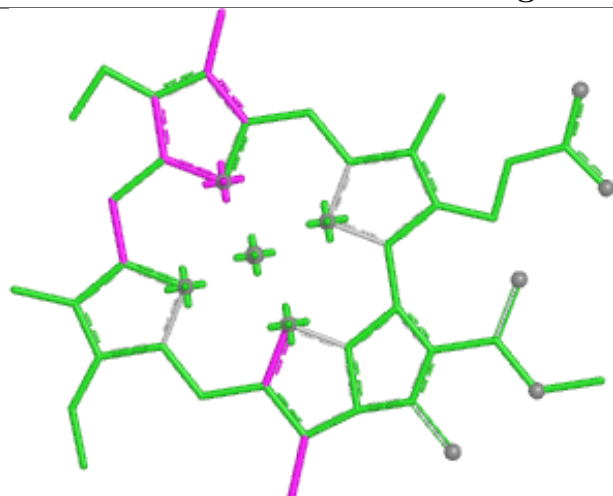


Torsions

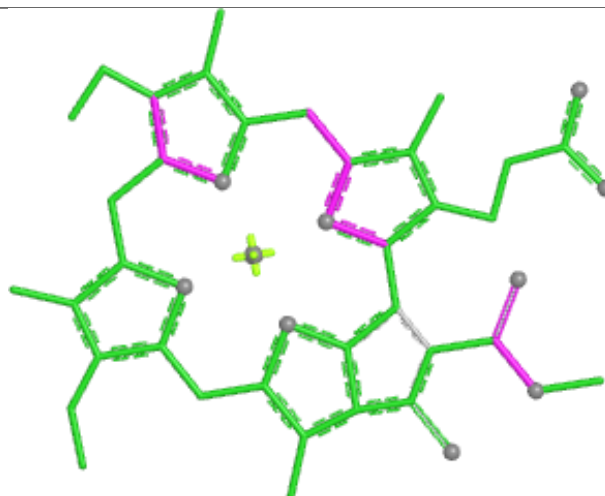


Rings

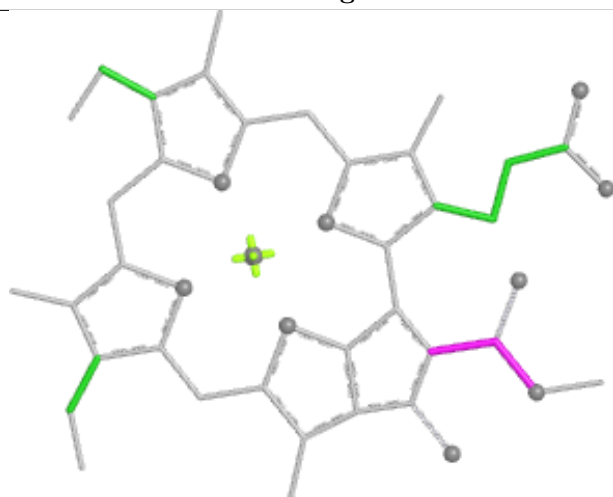
Ligand CLA h 502



Bond lengths



Bond angles

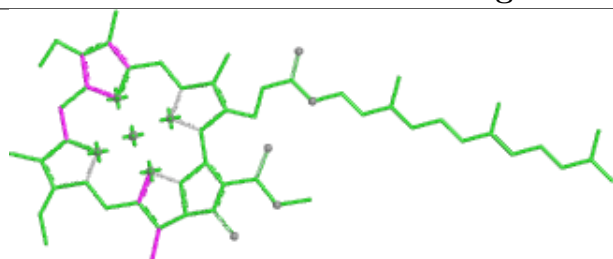


Torsions

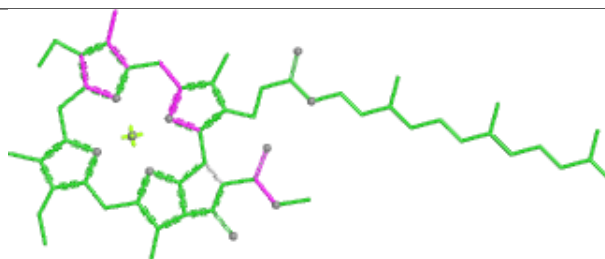


Rings

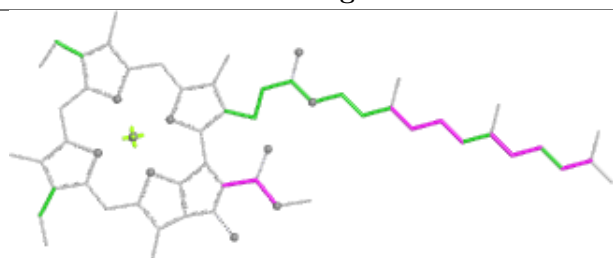
Ligand CLA bB 1221



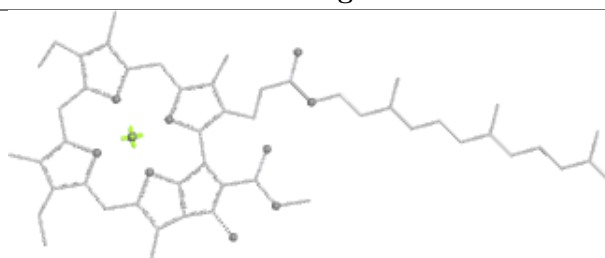
Bond lengths



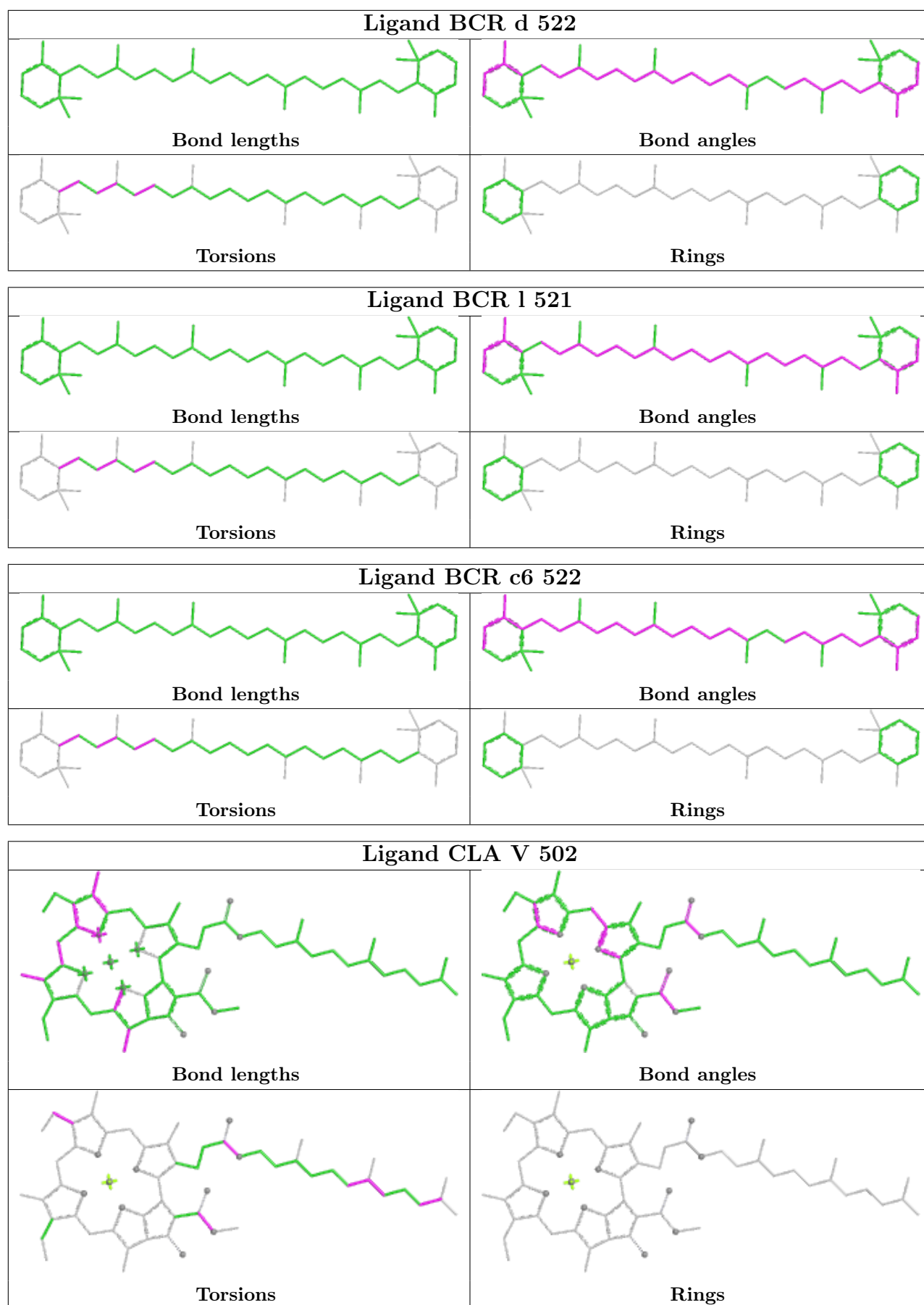
Bond angles

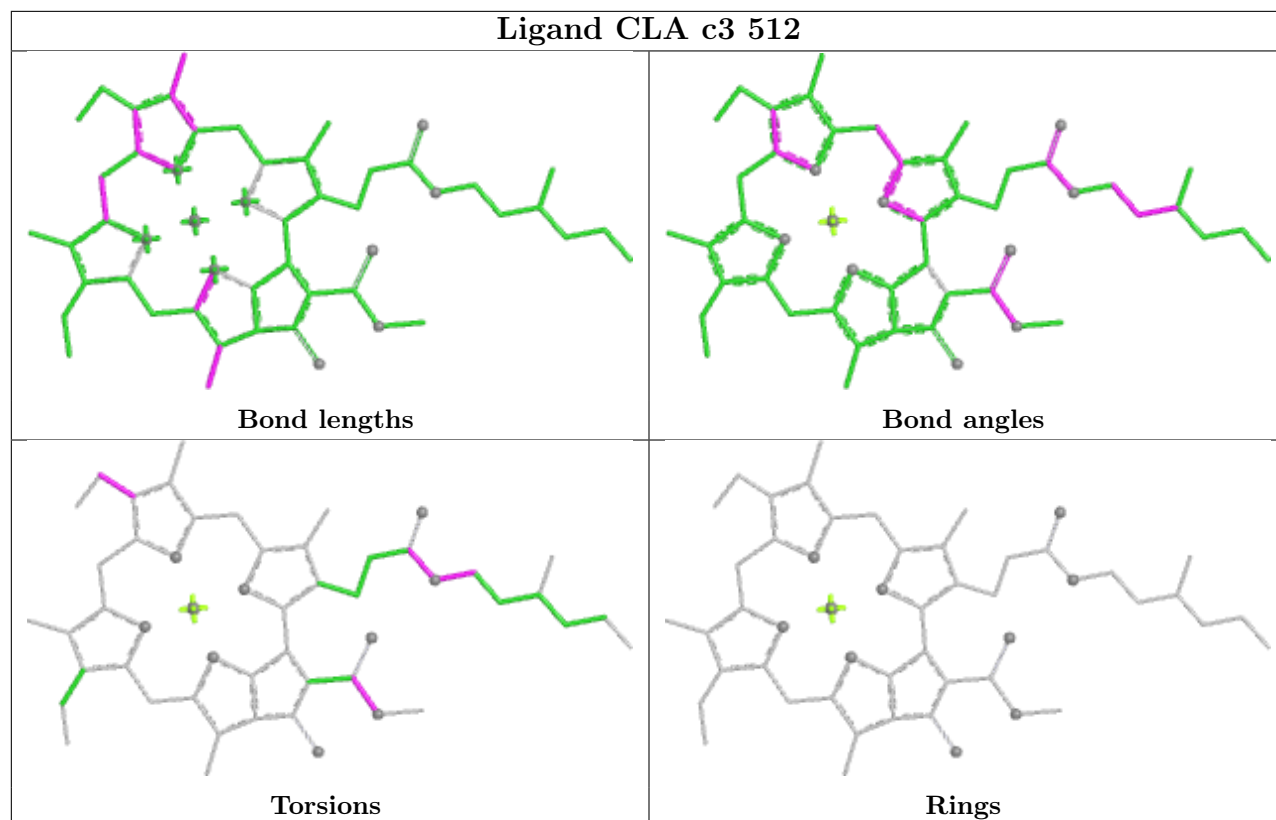


Torsions

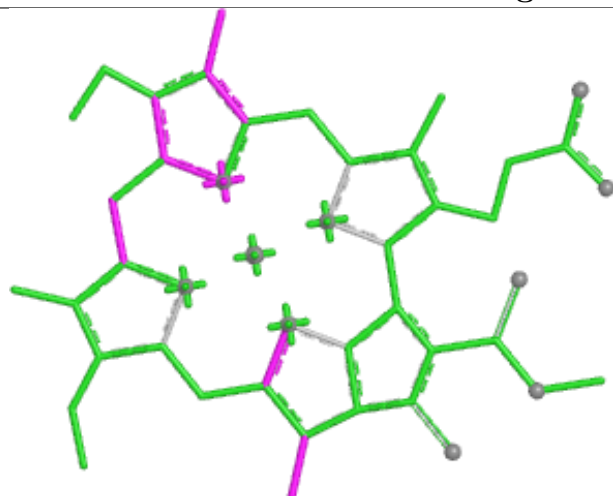


Rings





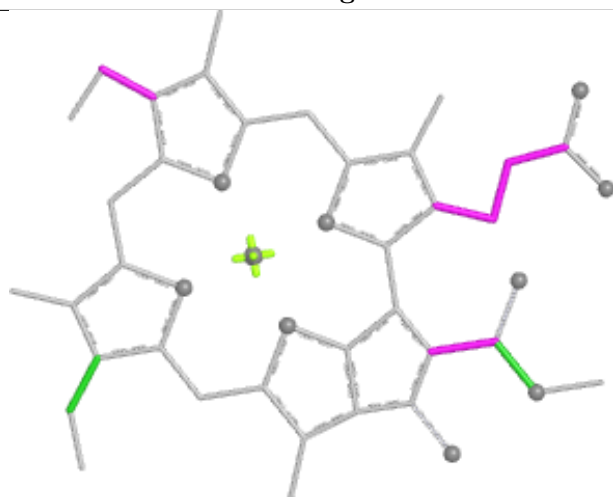
Ligand CLA Z 512



Bond lengths



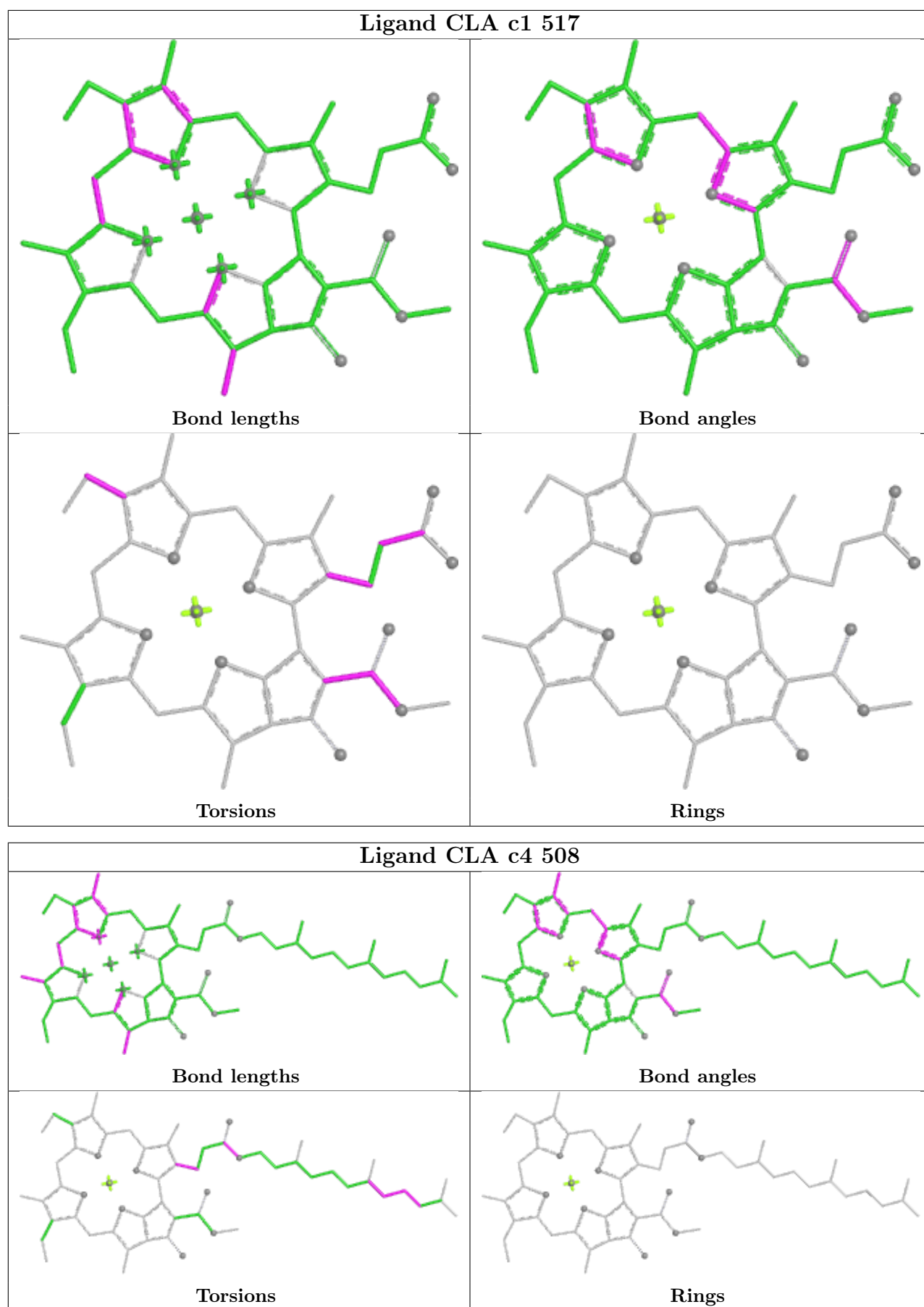
Bond angles



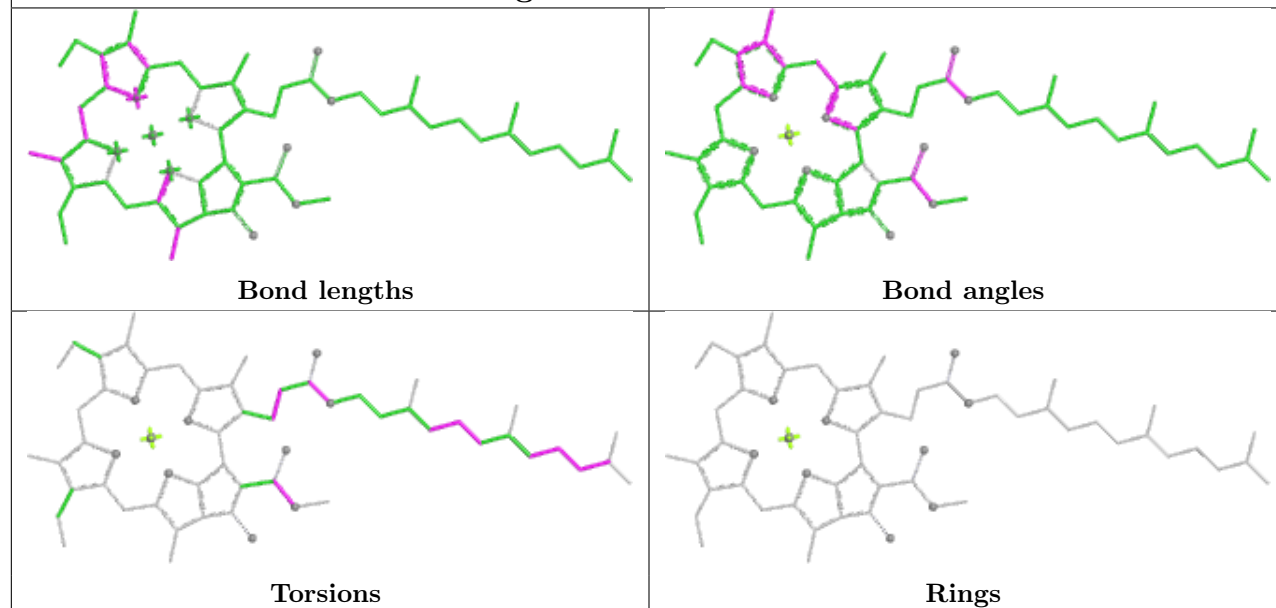
Torsions



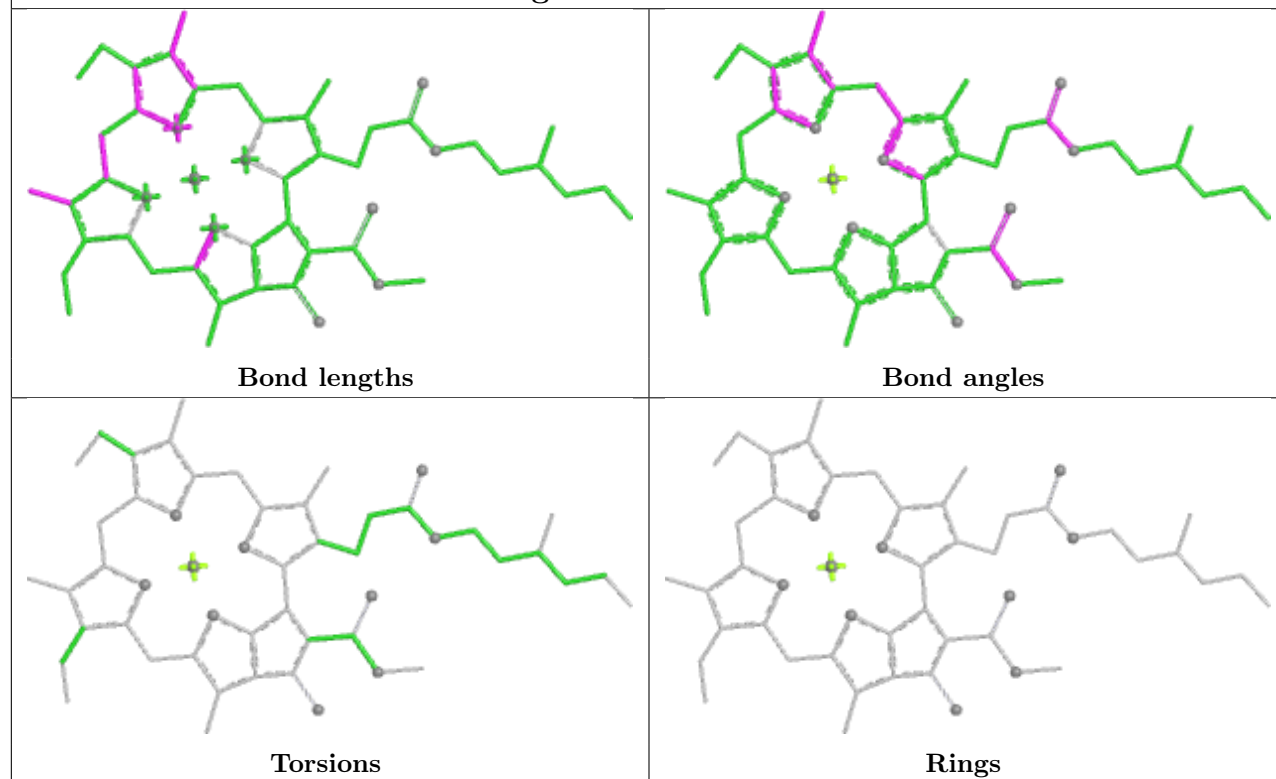
Rings



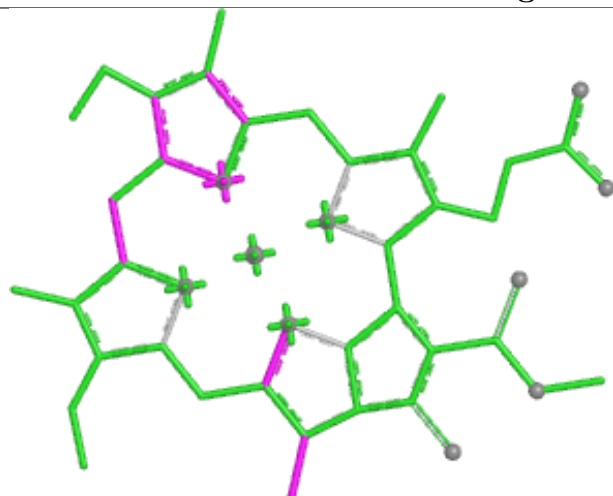
Ligand CLA cB 1214



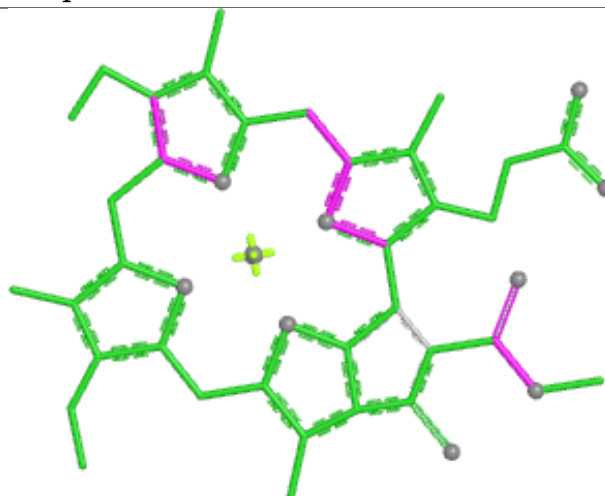
Ligand CLA Y 508



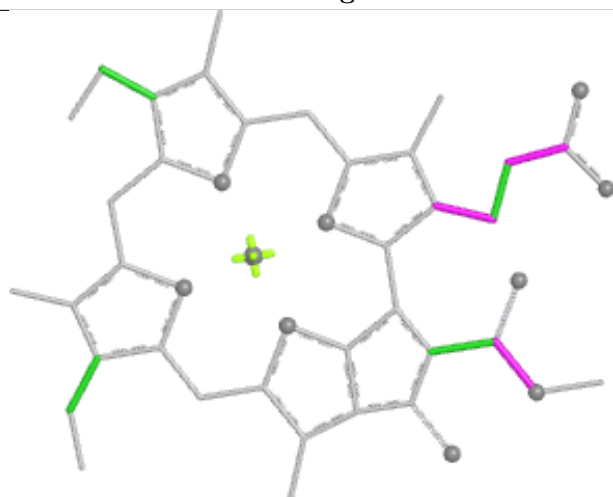
Ligand CLA q 507



Bond lengths



Bond angles

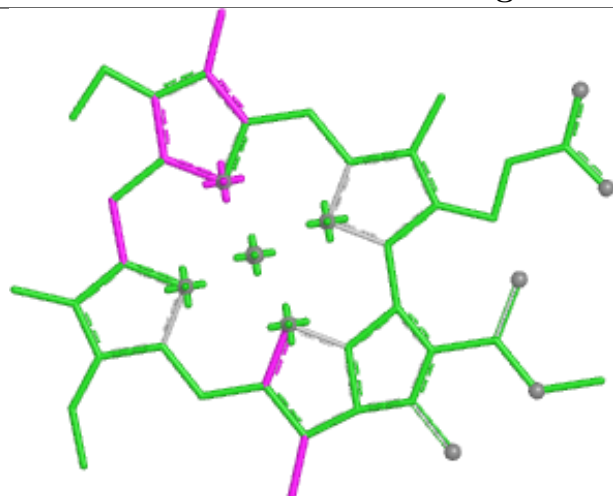


Torsions



Rings

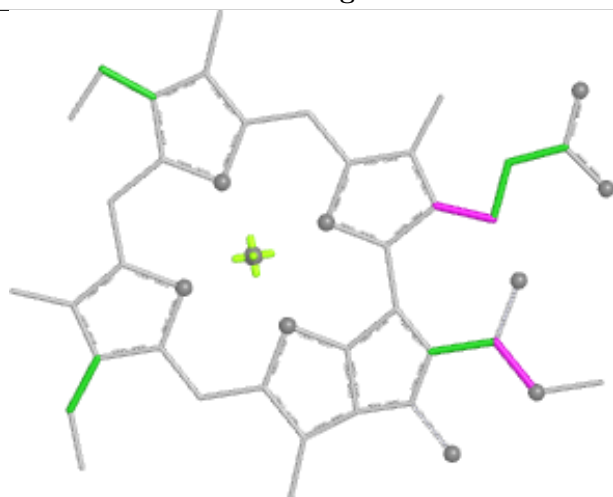
Ligand CLA aA 1108



Bond lengths



Bond angles

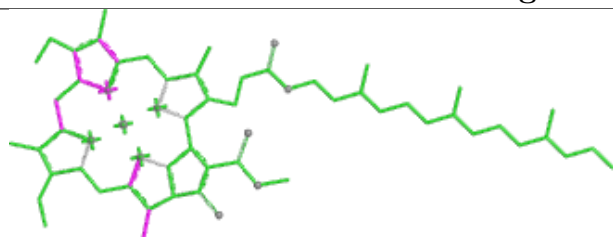


Torsions

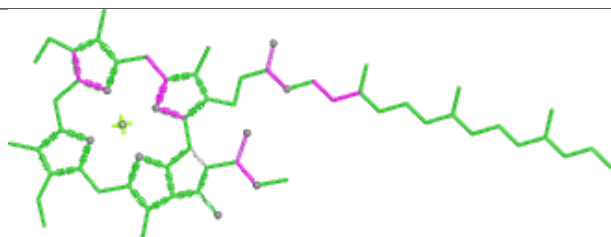


Rings

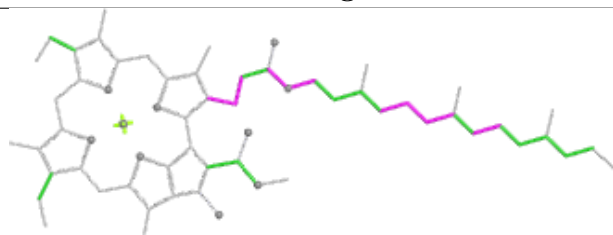
Ligand CLA e 505



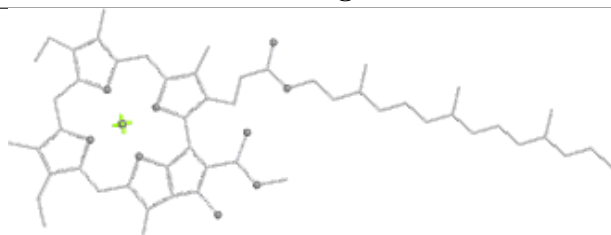
Bond lengths



Bond angles

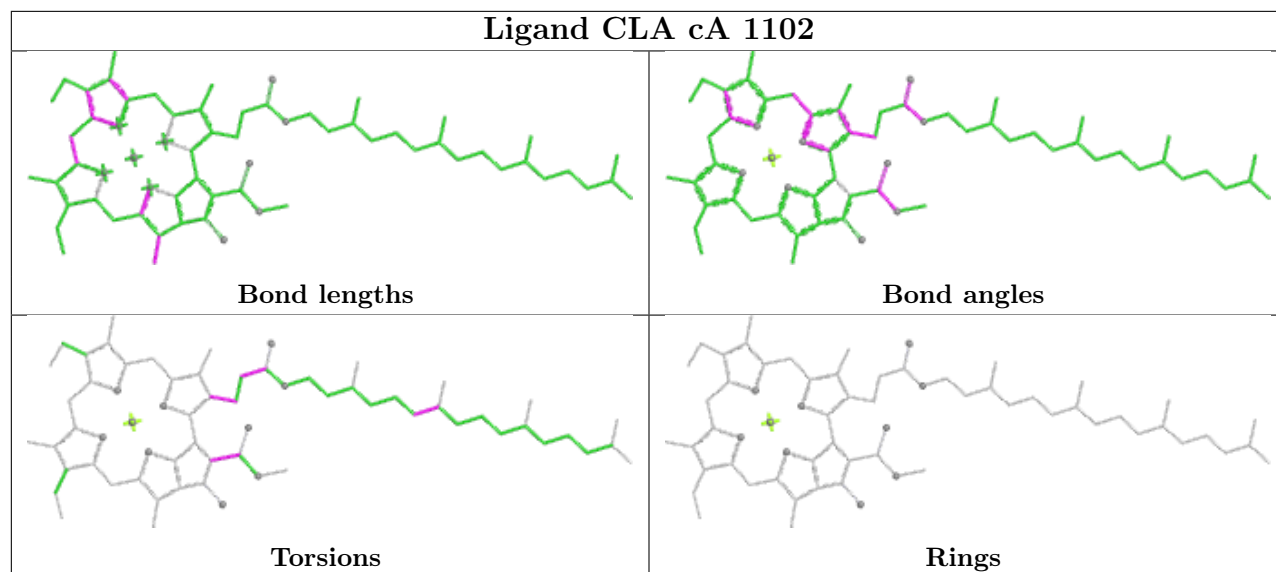


Torsions

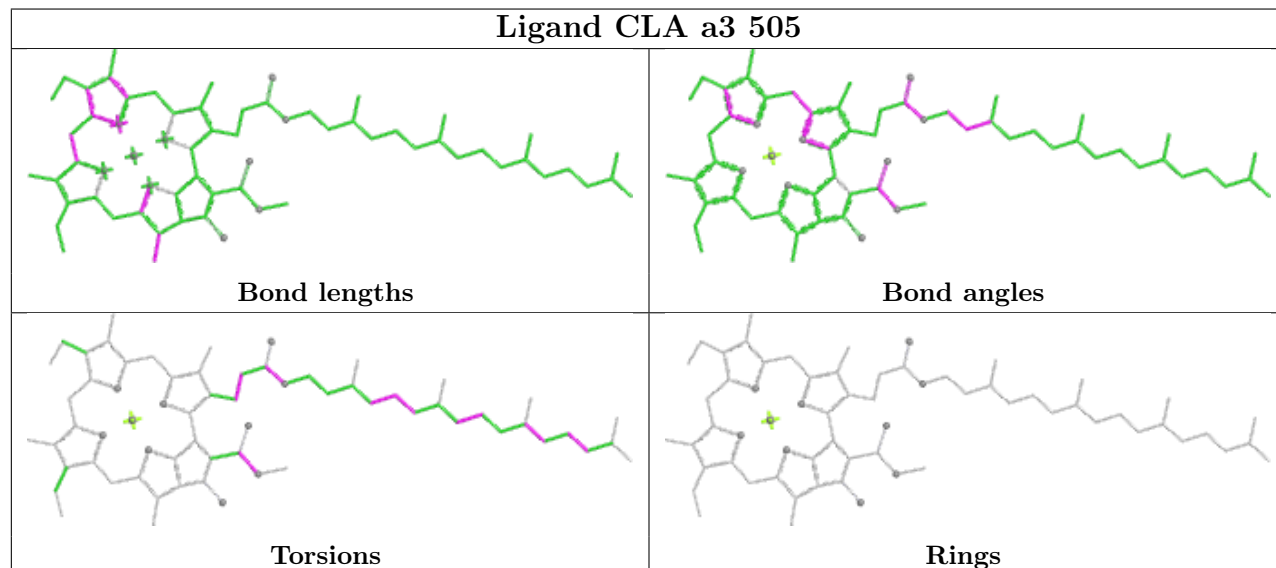


Rings

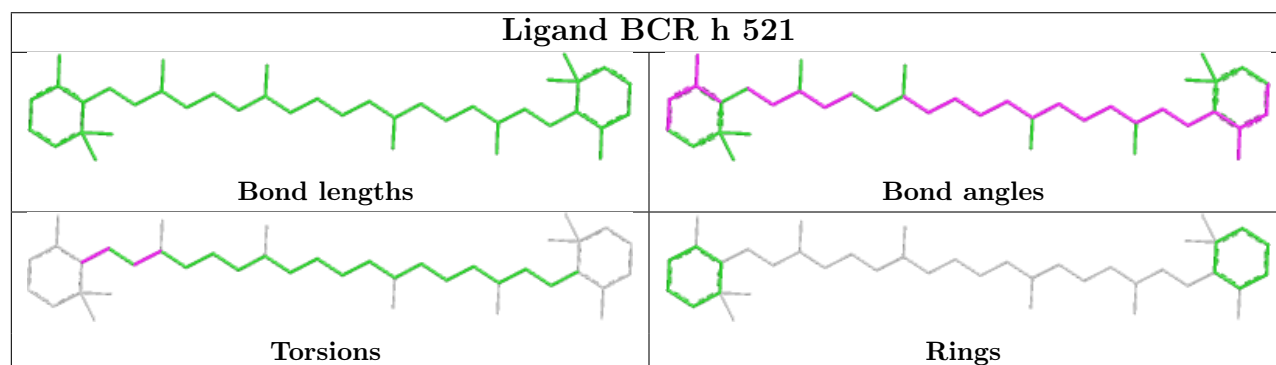
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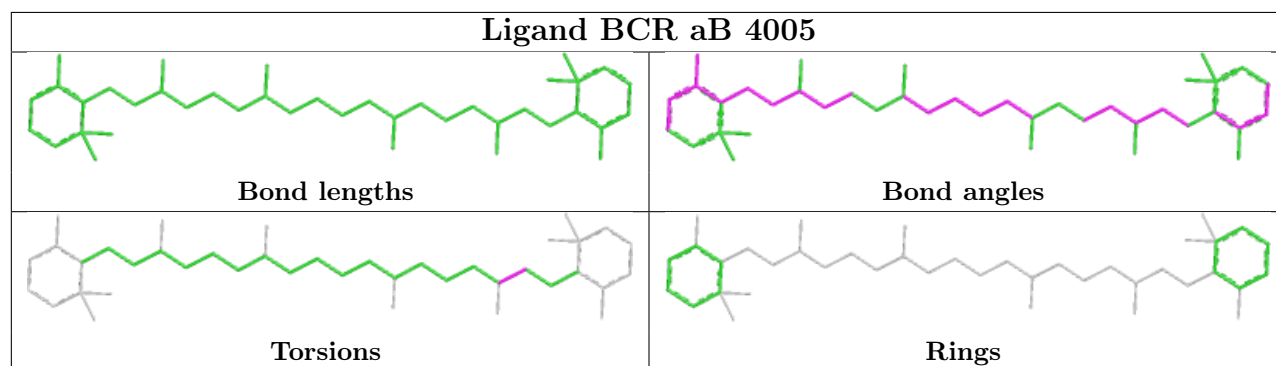
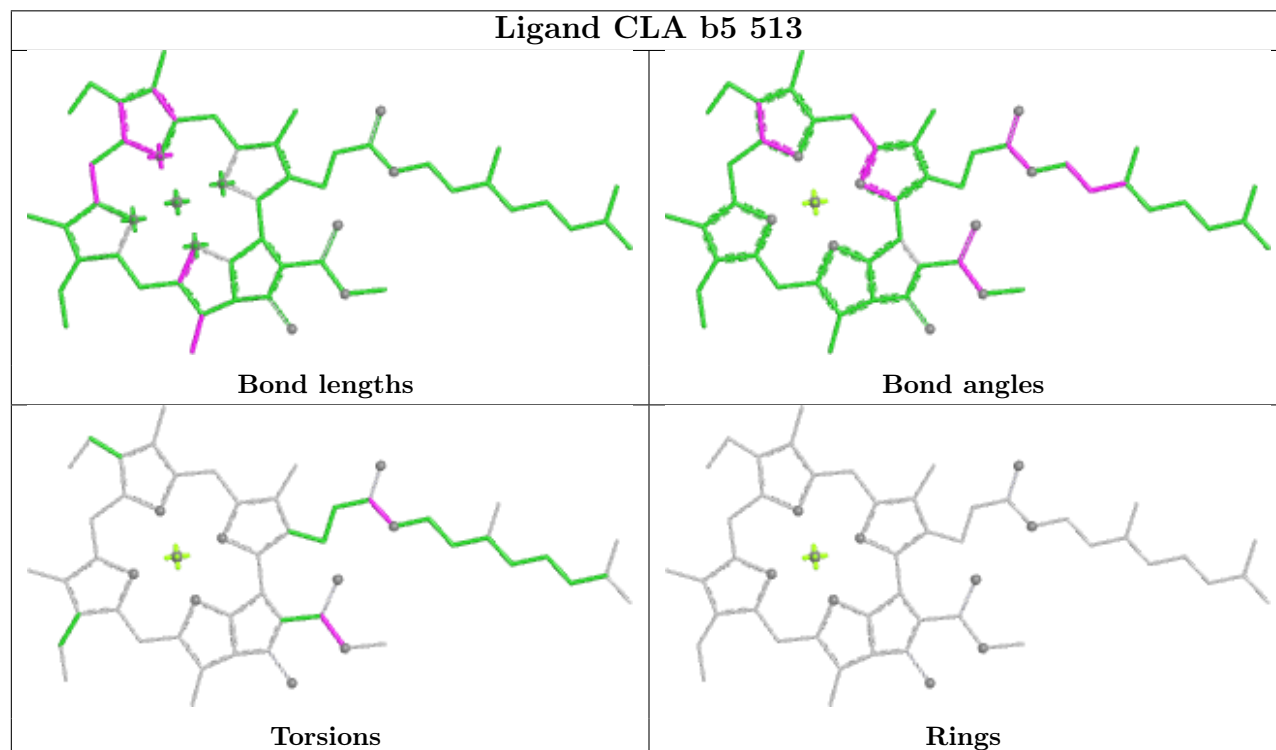
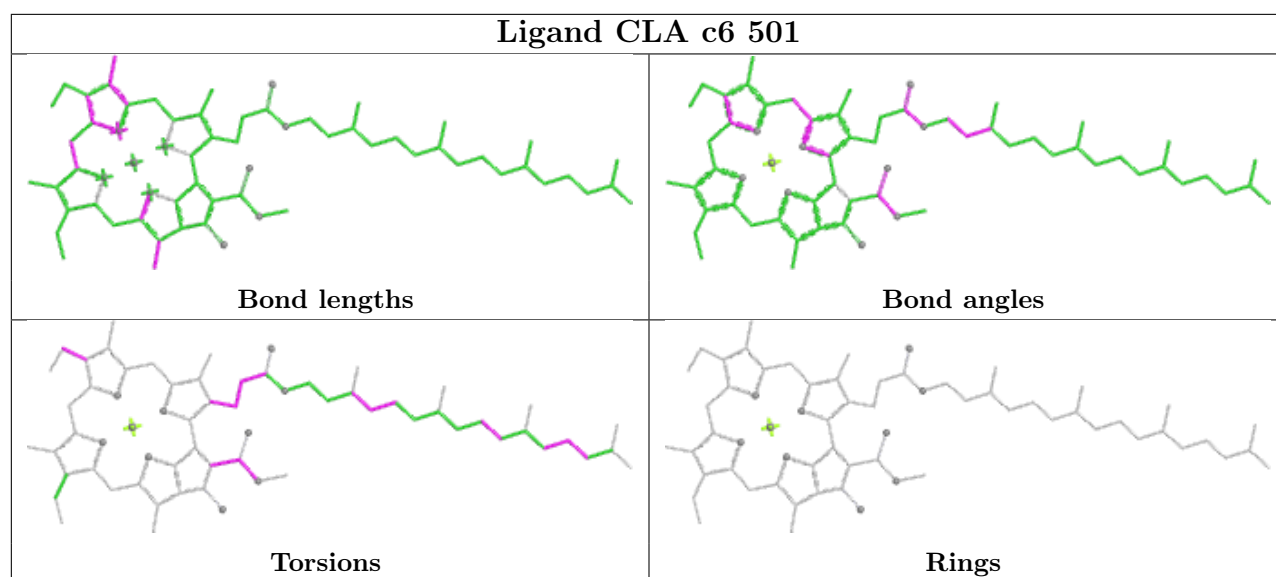


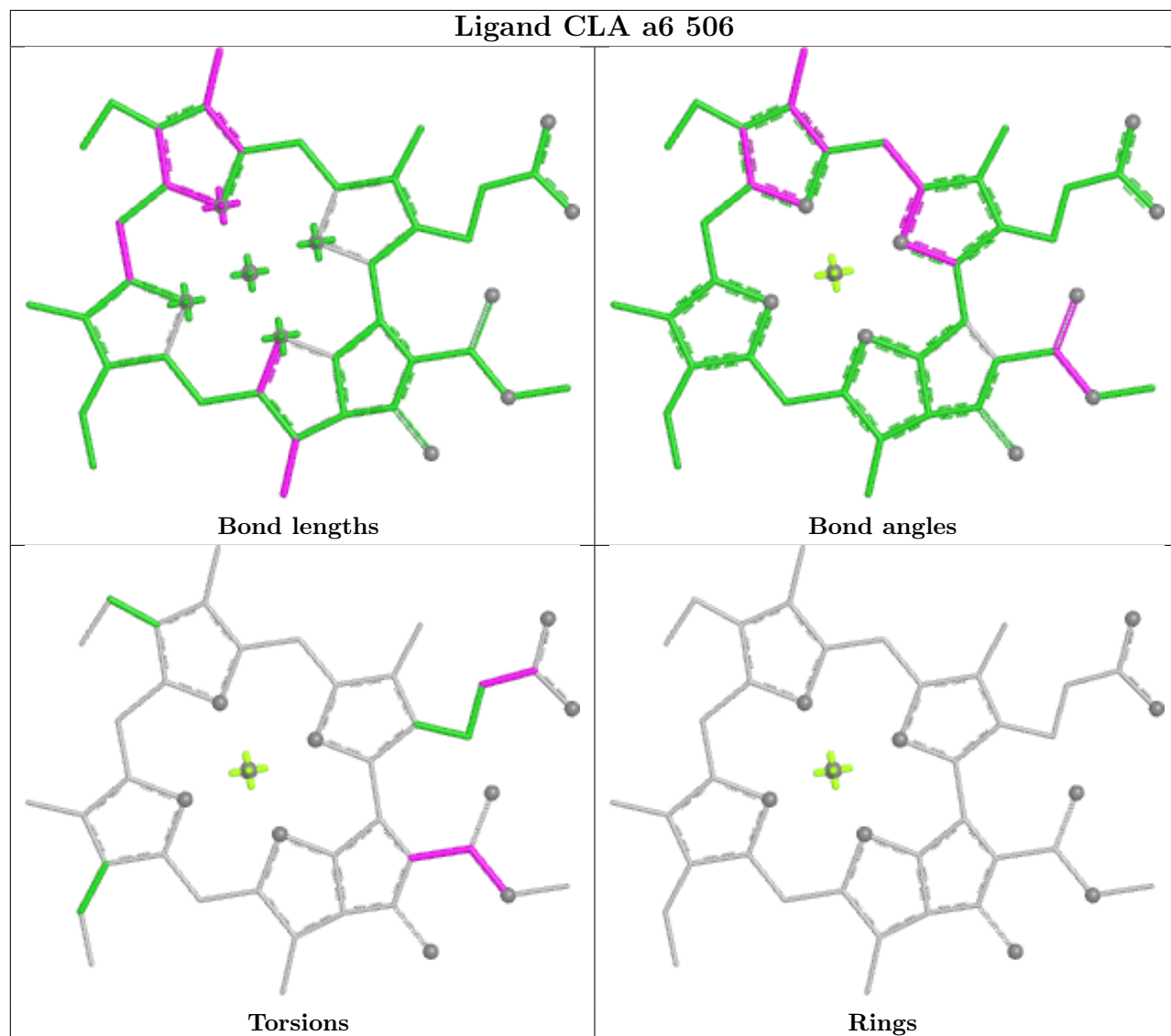
Ligand CLA a3 505



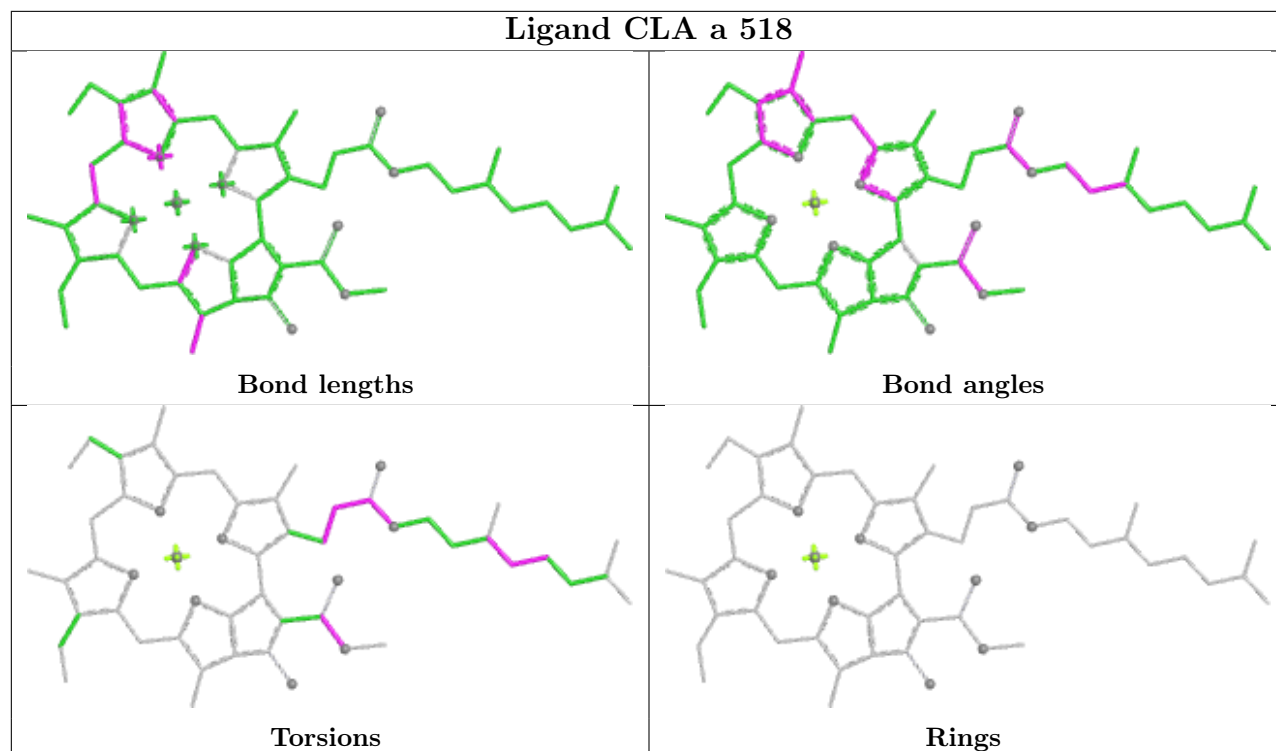
Ligand BCR h 521



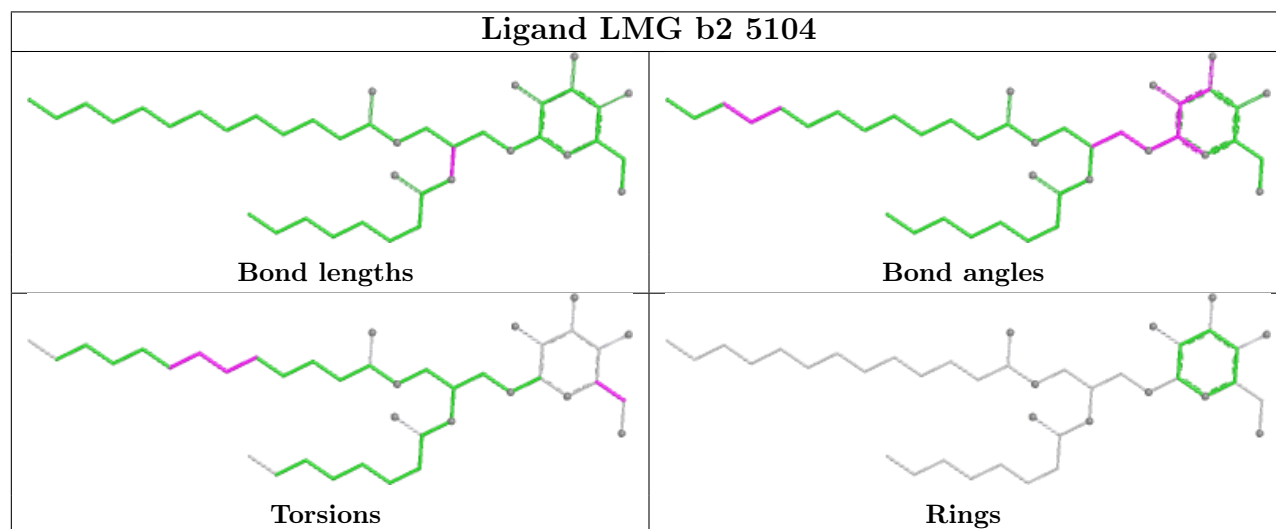




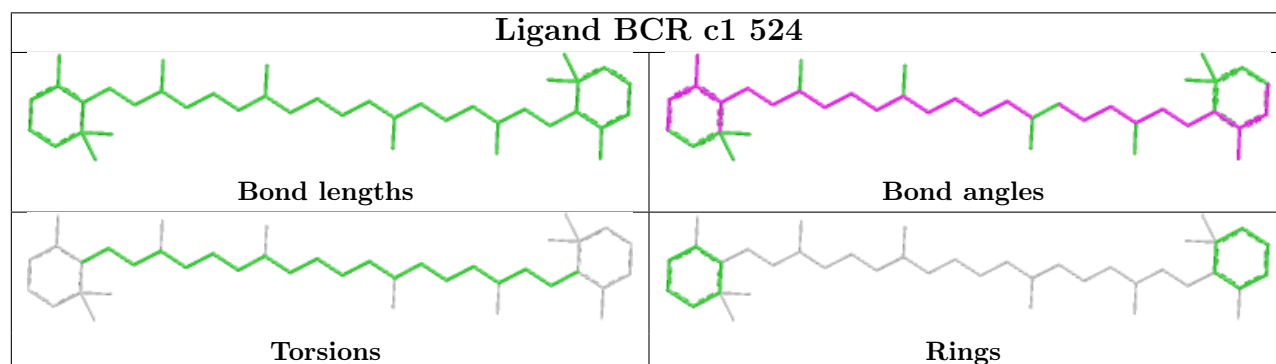
Ligand CLA a 518

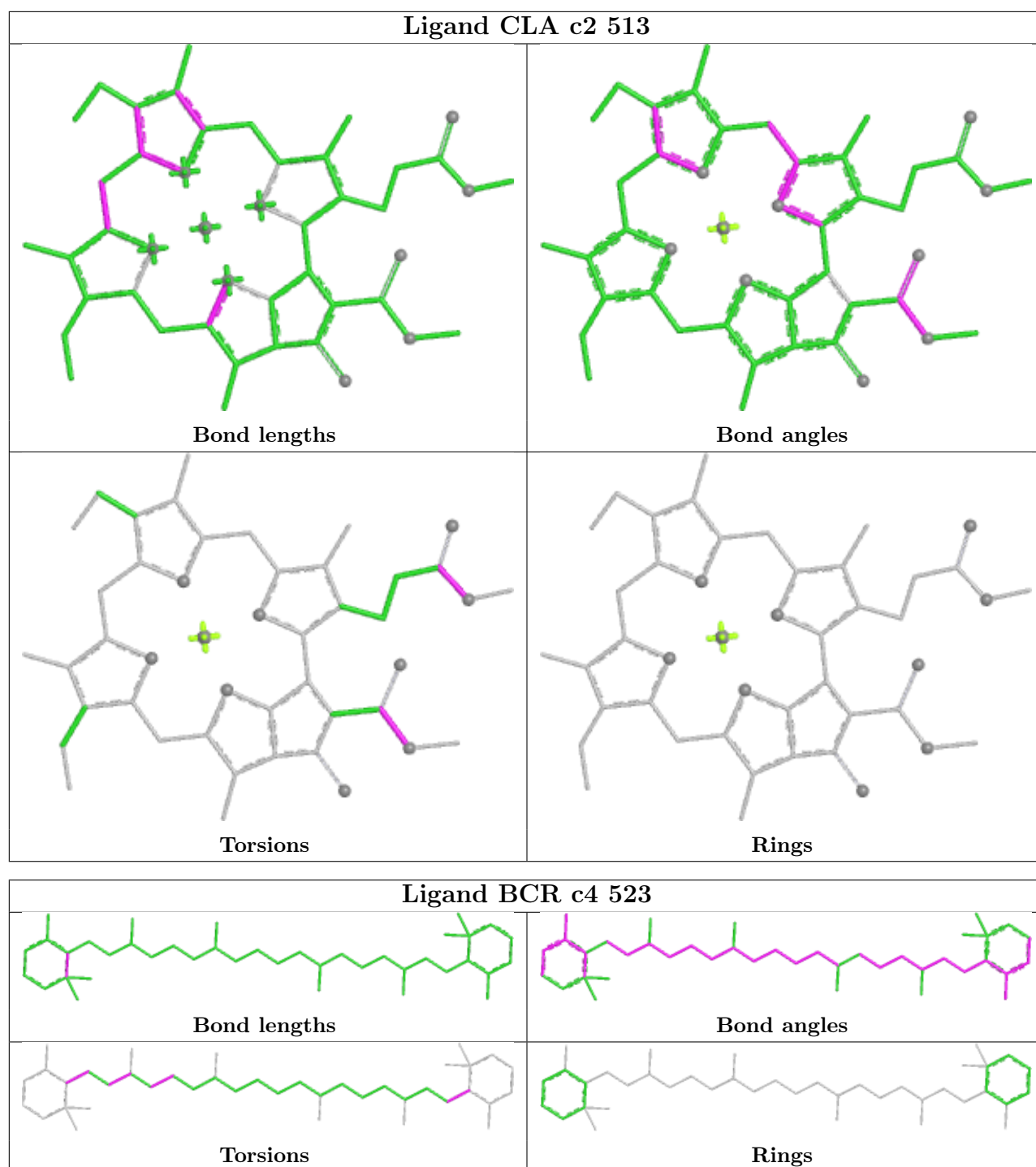


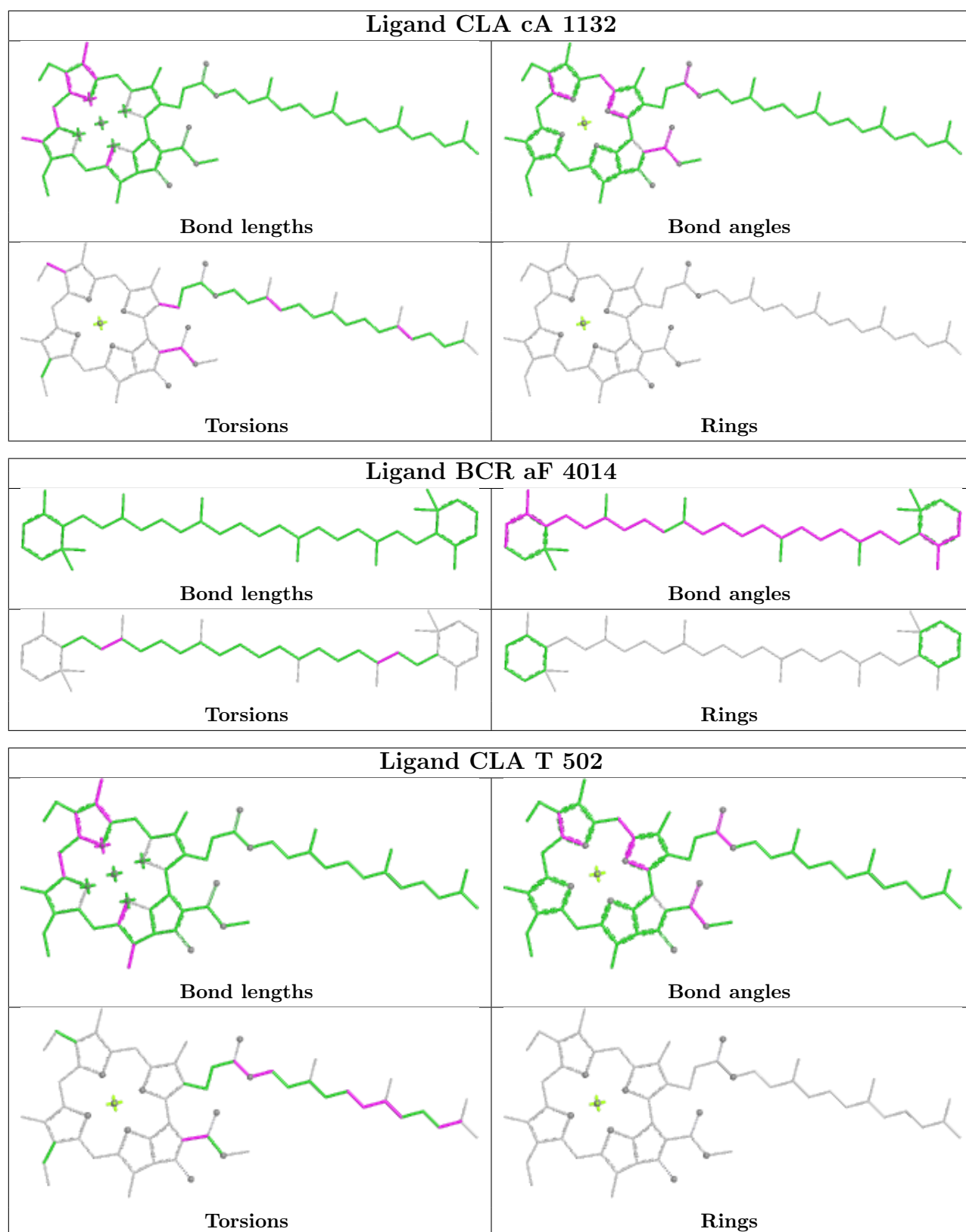
Ligand LMG b2 5104



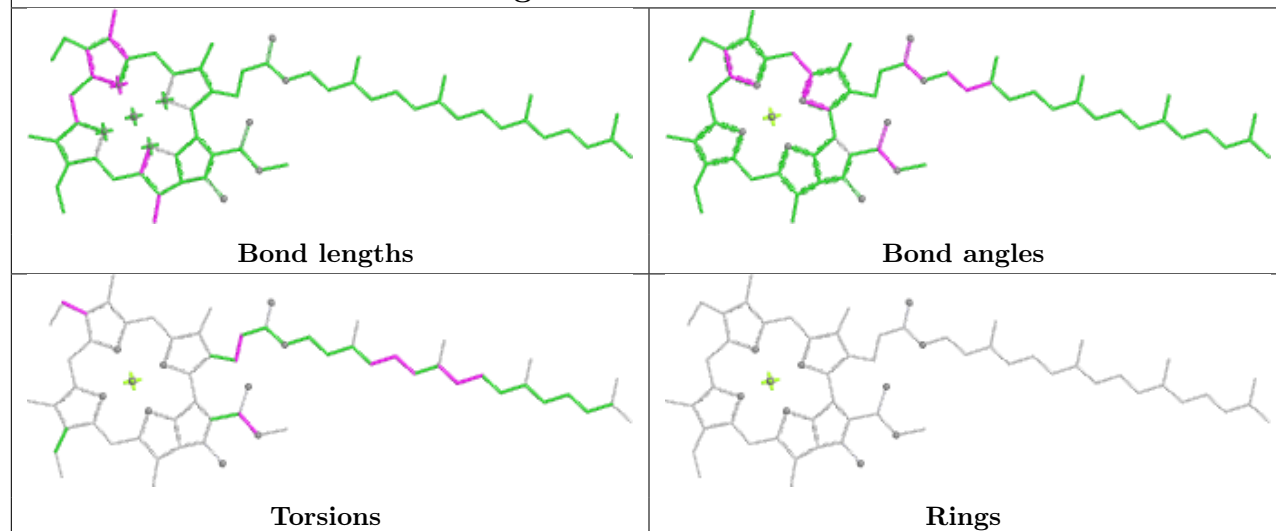
Ligand BCR c1 524



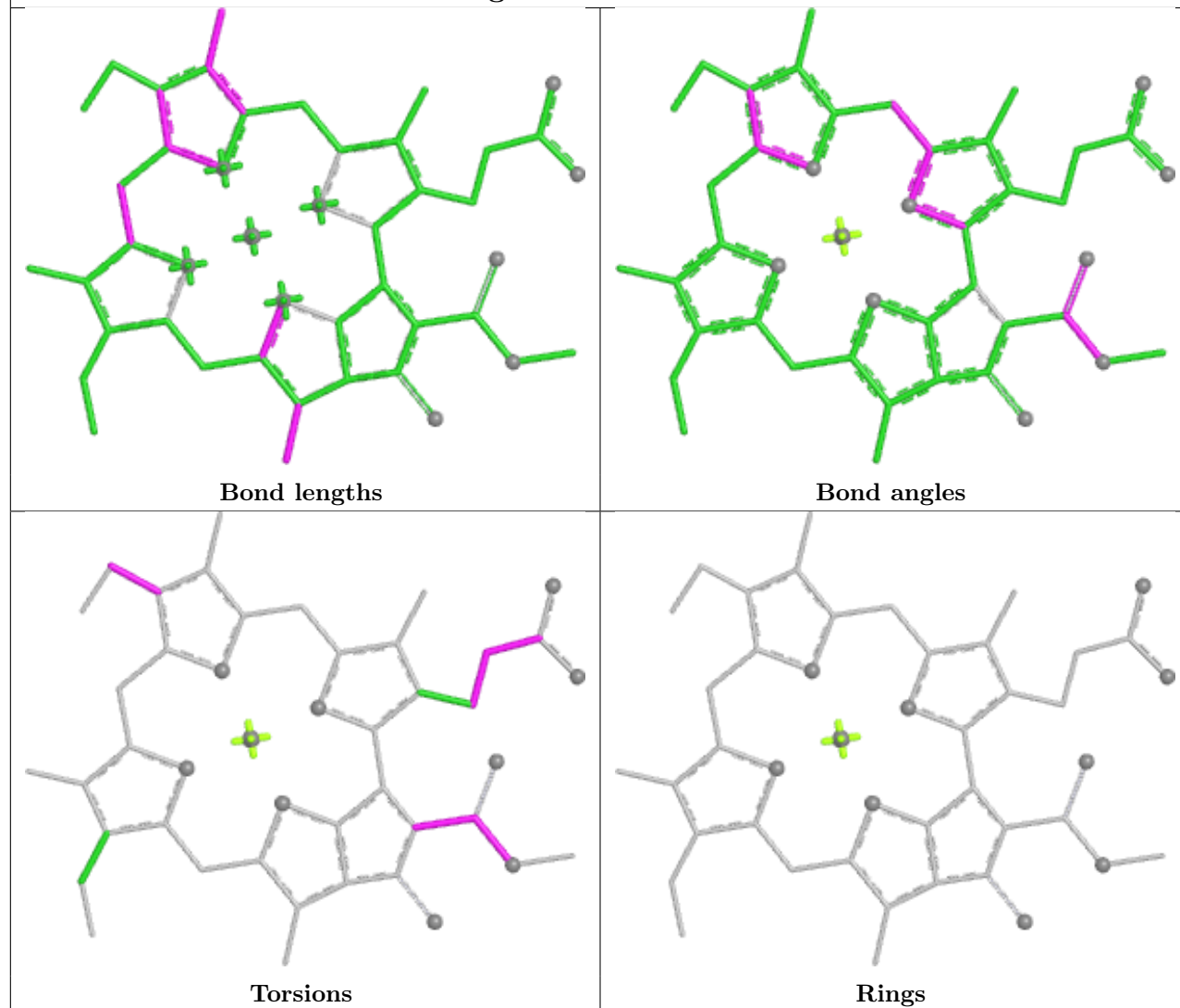




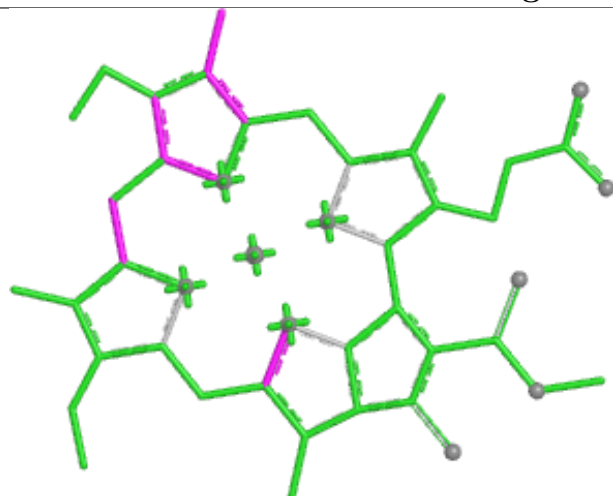
Ligand CLA aA 1138



Ligand CLA c5 517



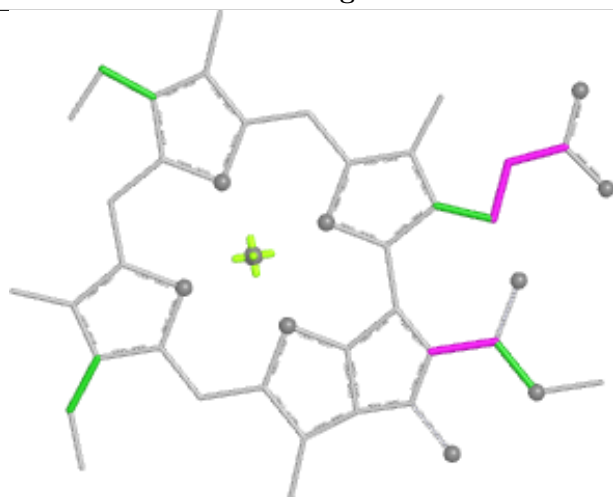
Ligand CLA 1 504



Bond lengths



Bond angles

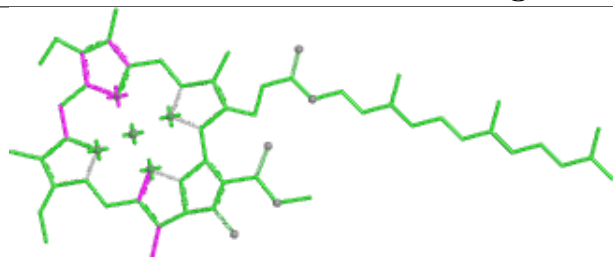


Torsions

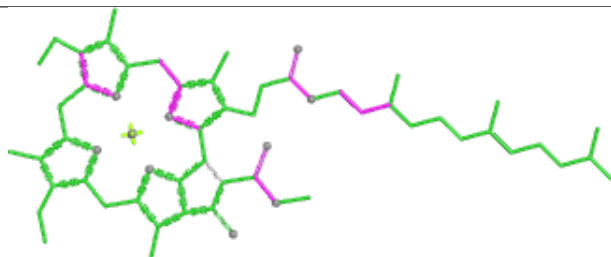


Rings

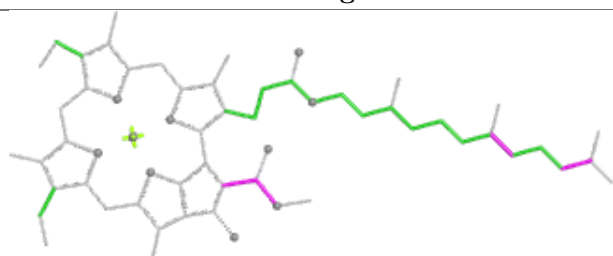
Ligand CLA a5 507



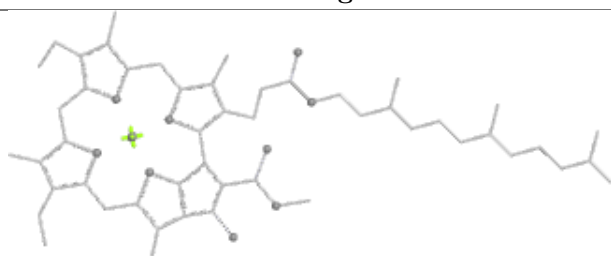
Bond lengths



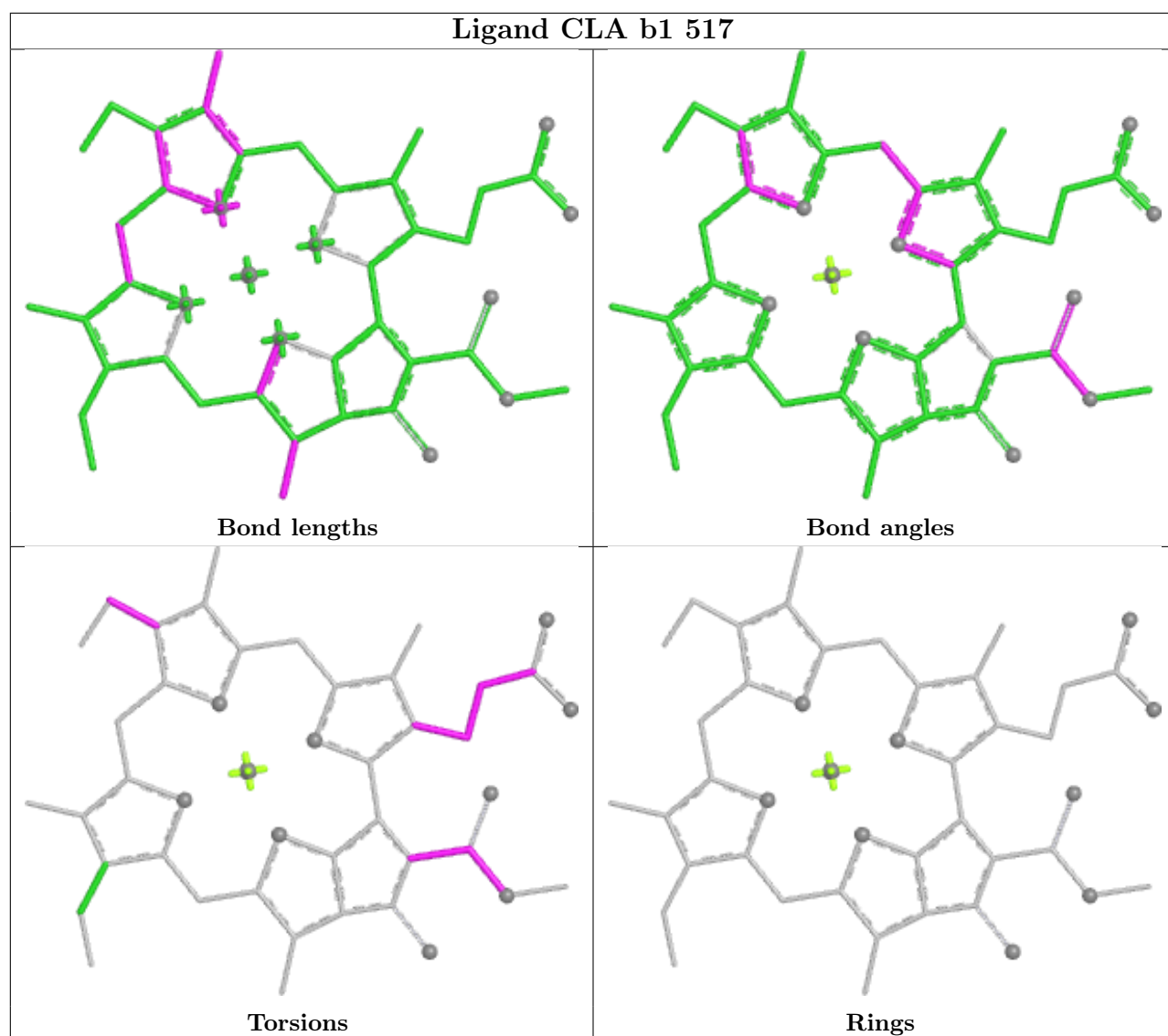
Bond angles

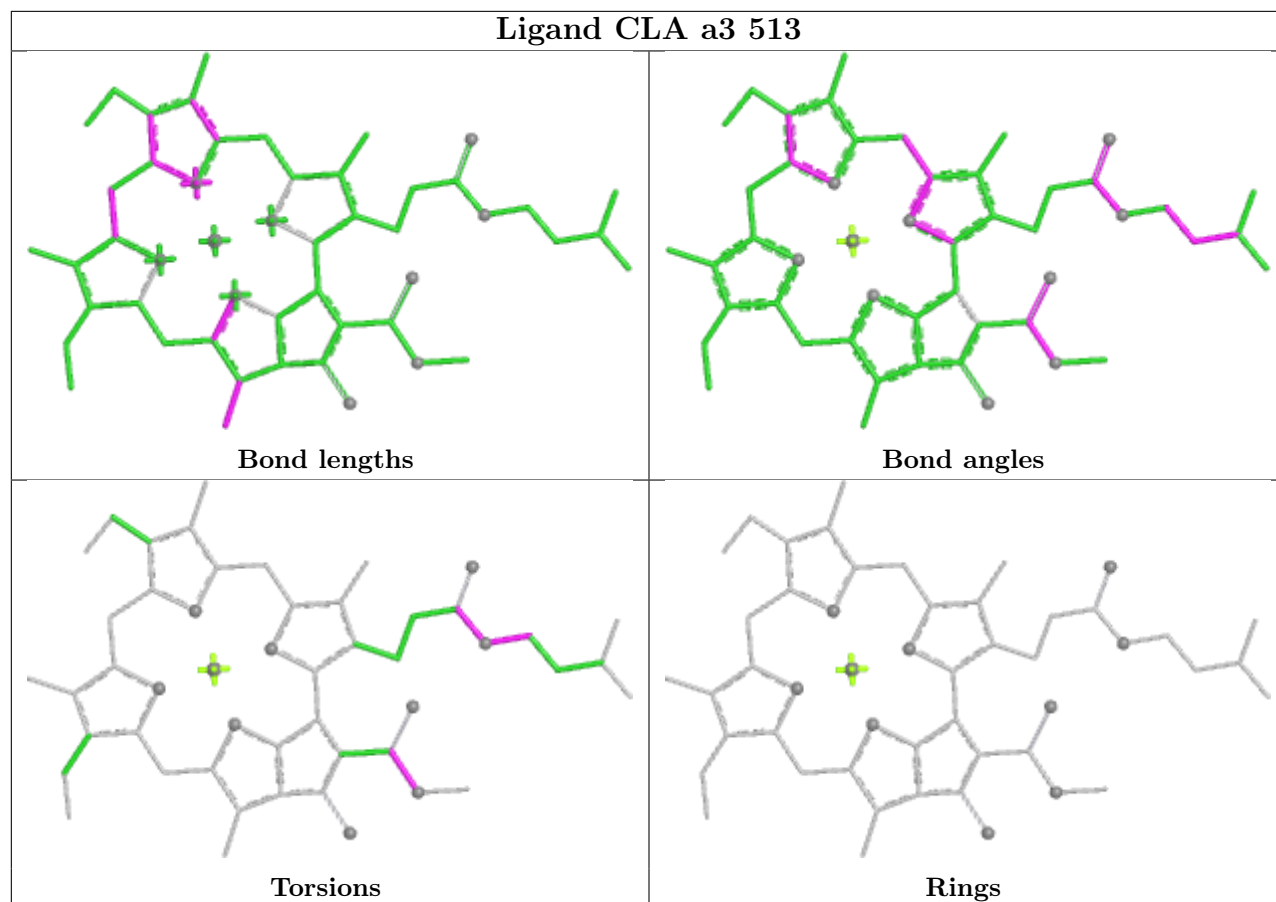


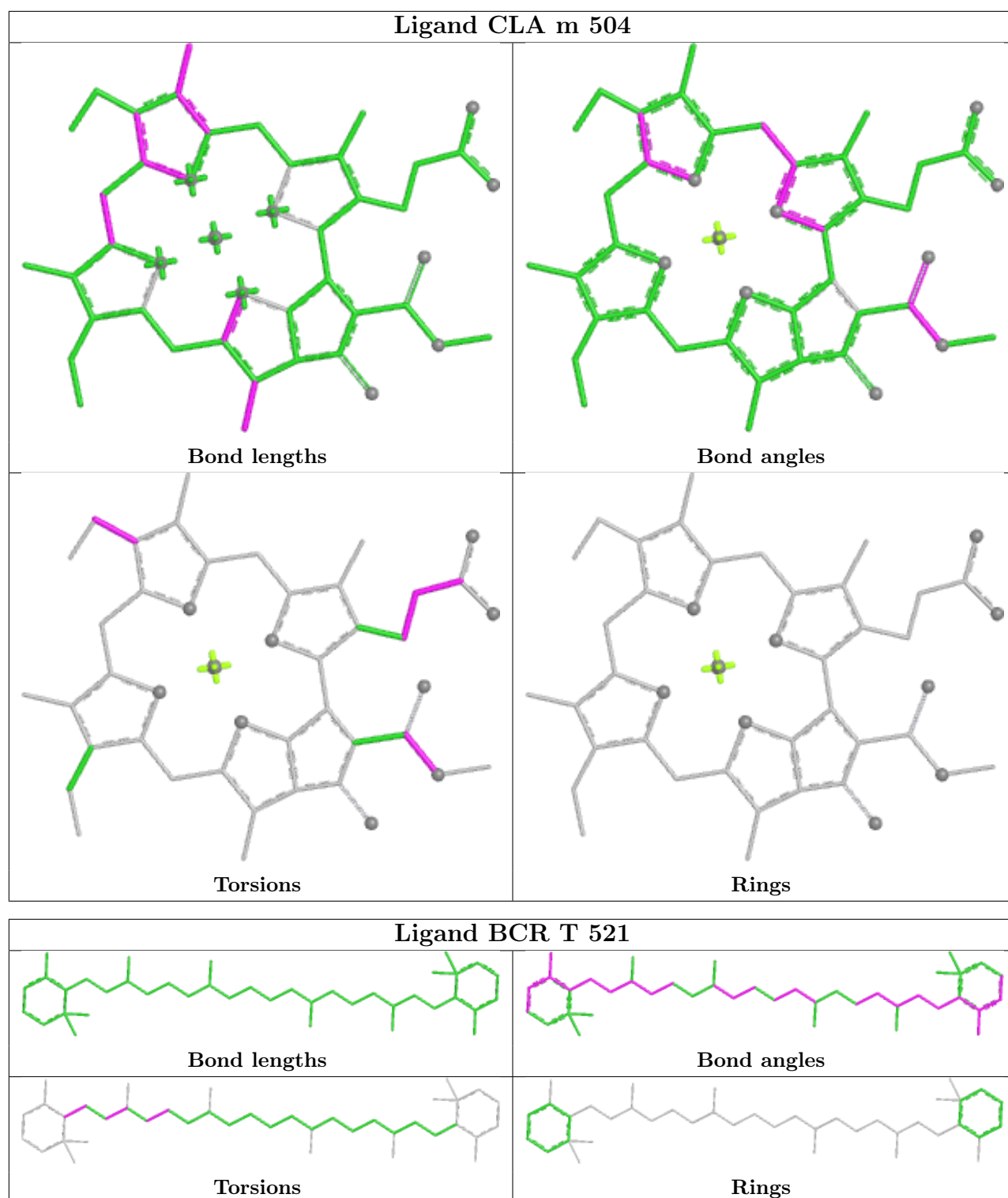
Torsions

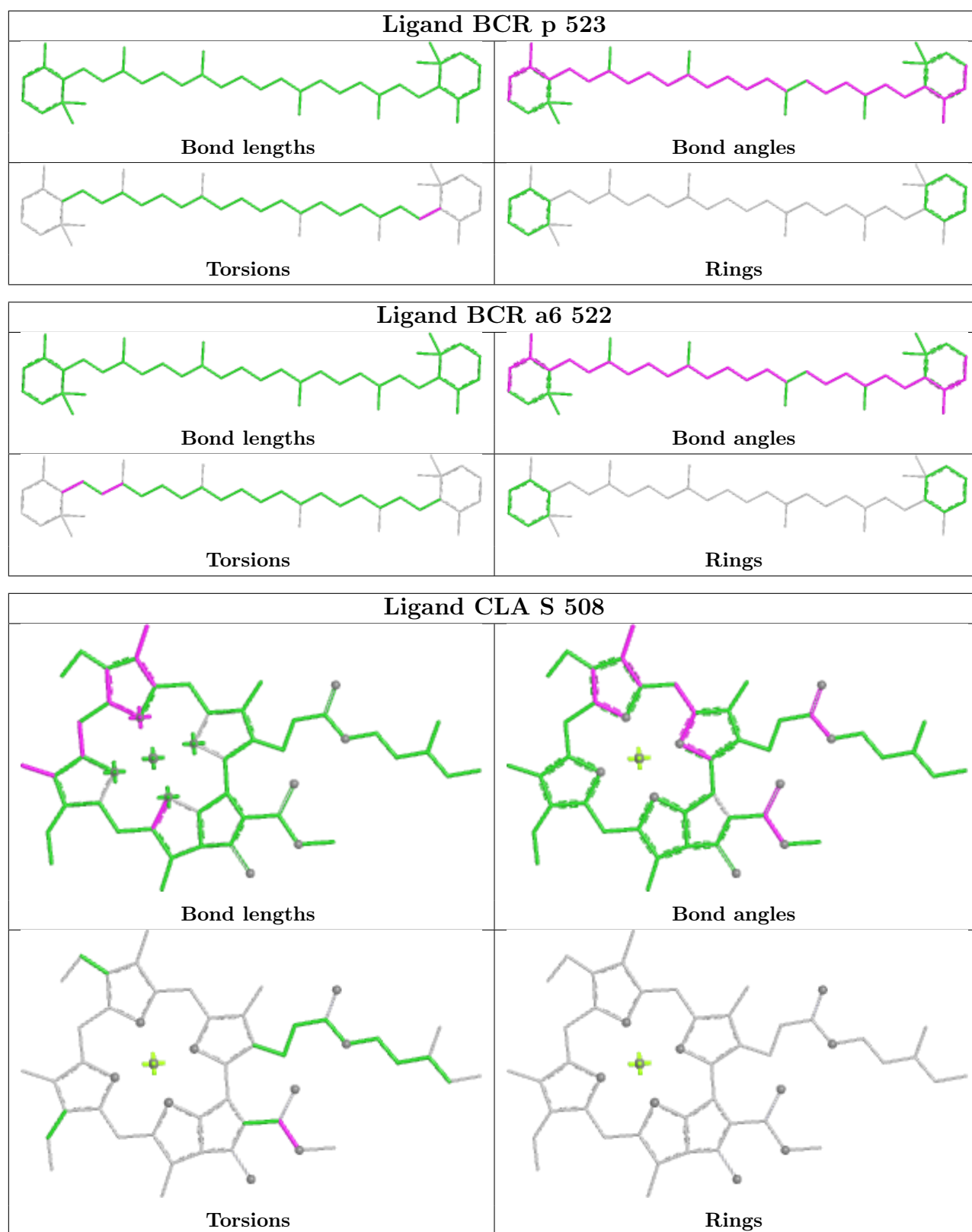


Rings

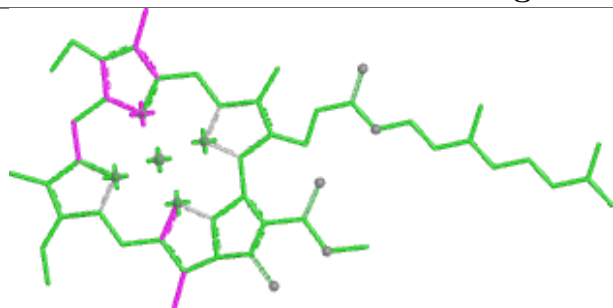




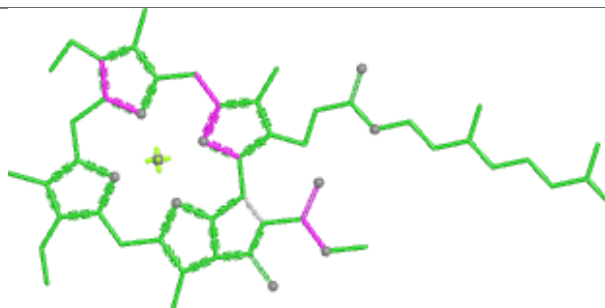




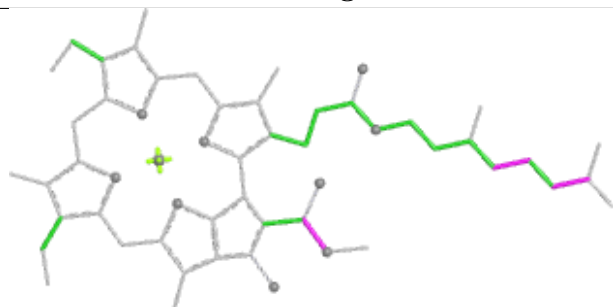
Ligand CLA X 511



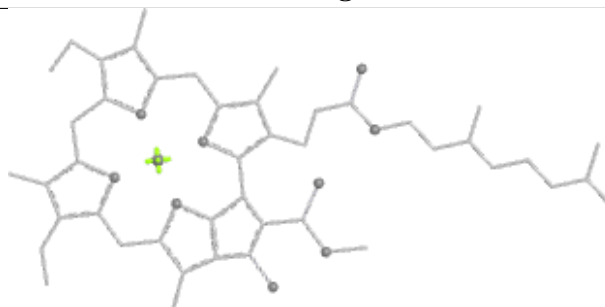
Bond lengths



Bond angles

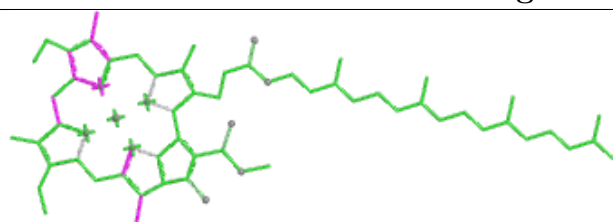


Torsions

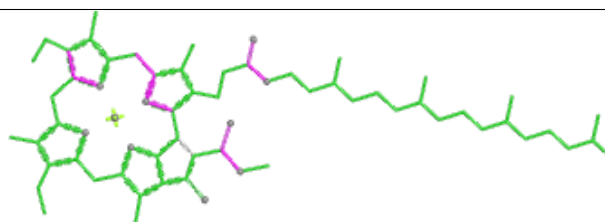


Rings

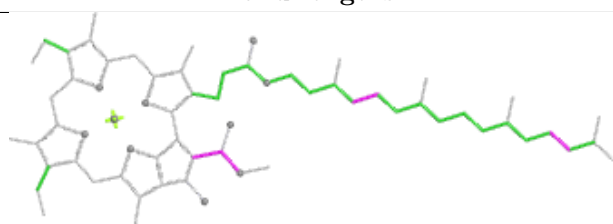
Ligand CLA Z 509



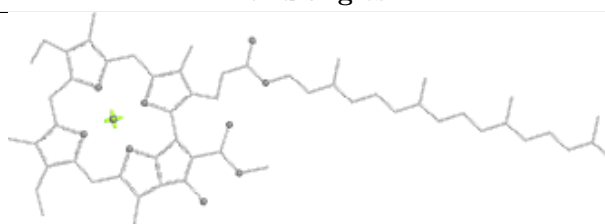
Bond lengths



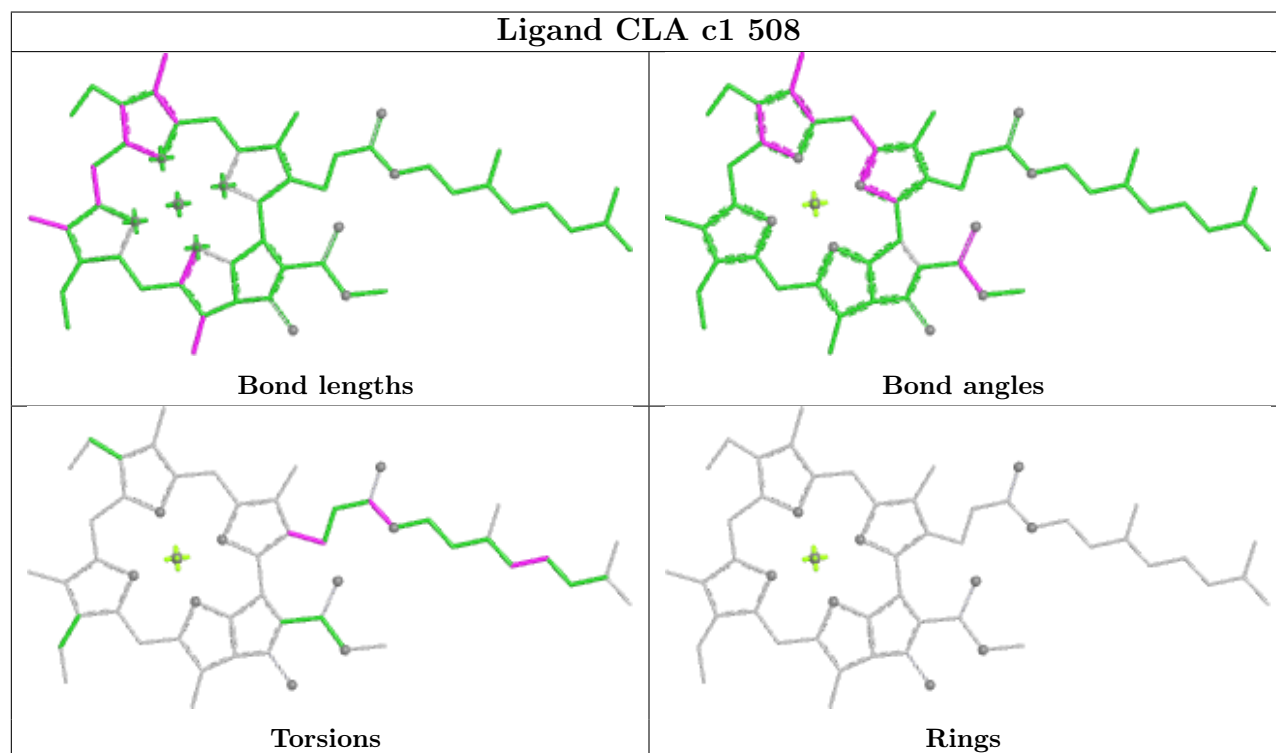
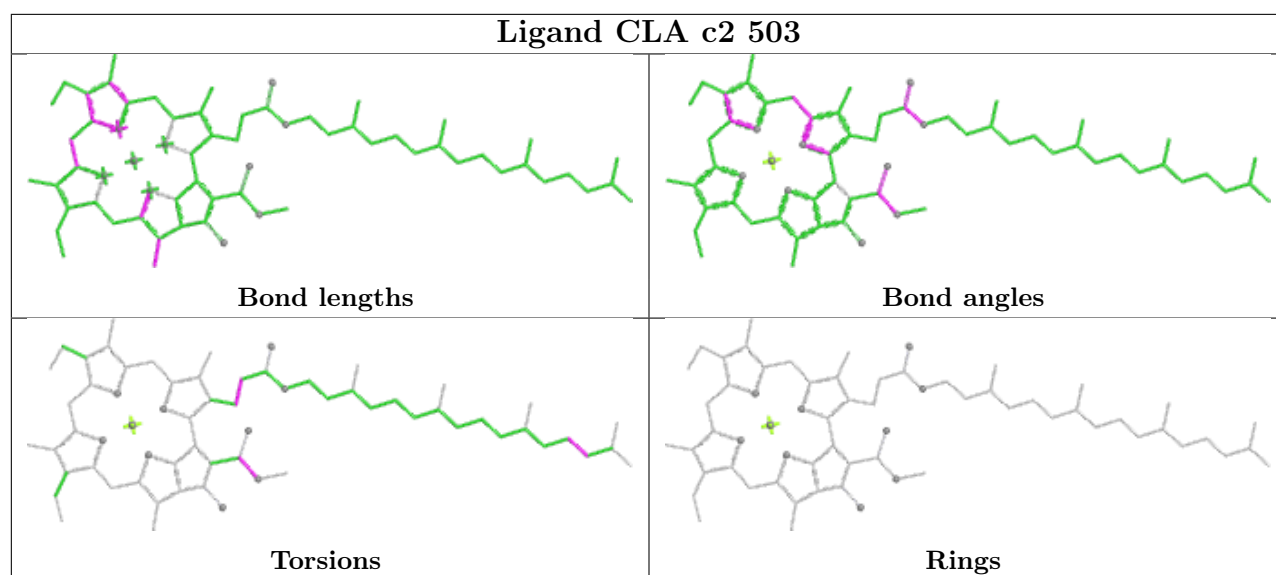
Bond angles

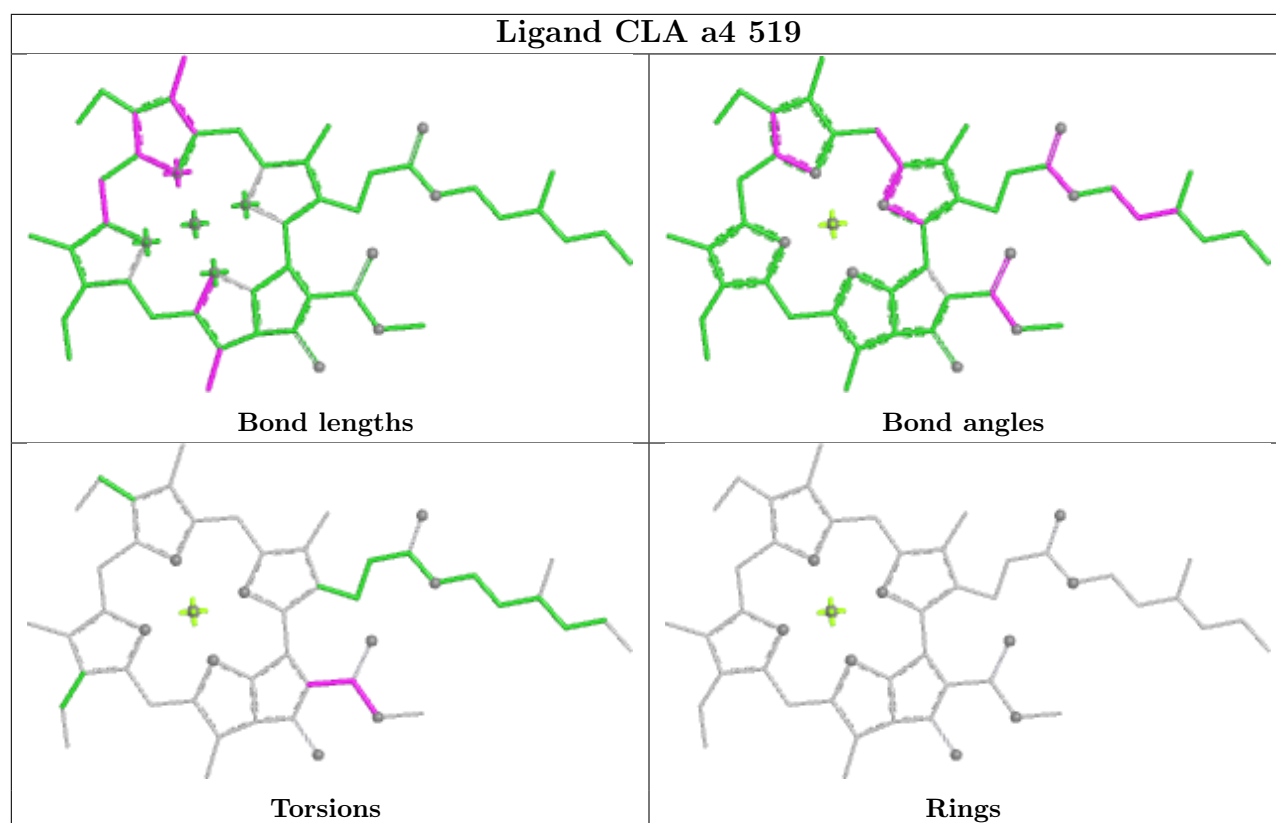


Torsions

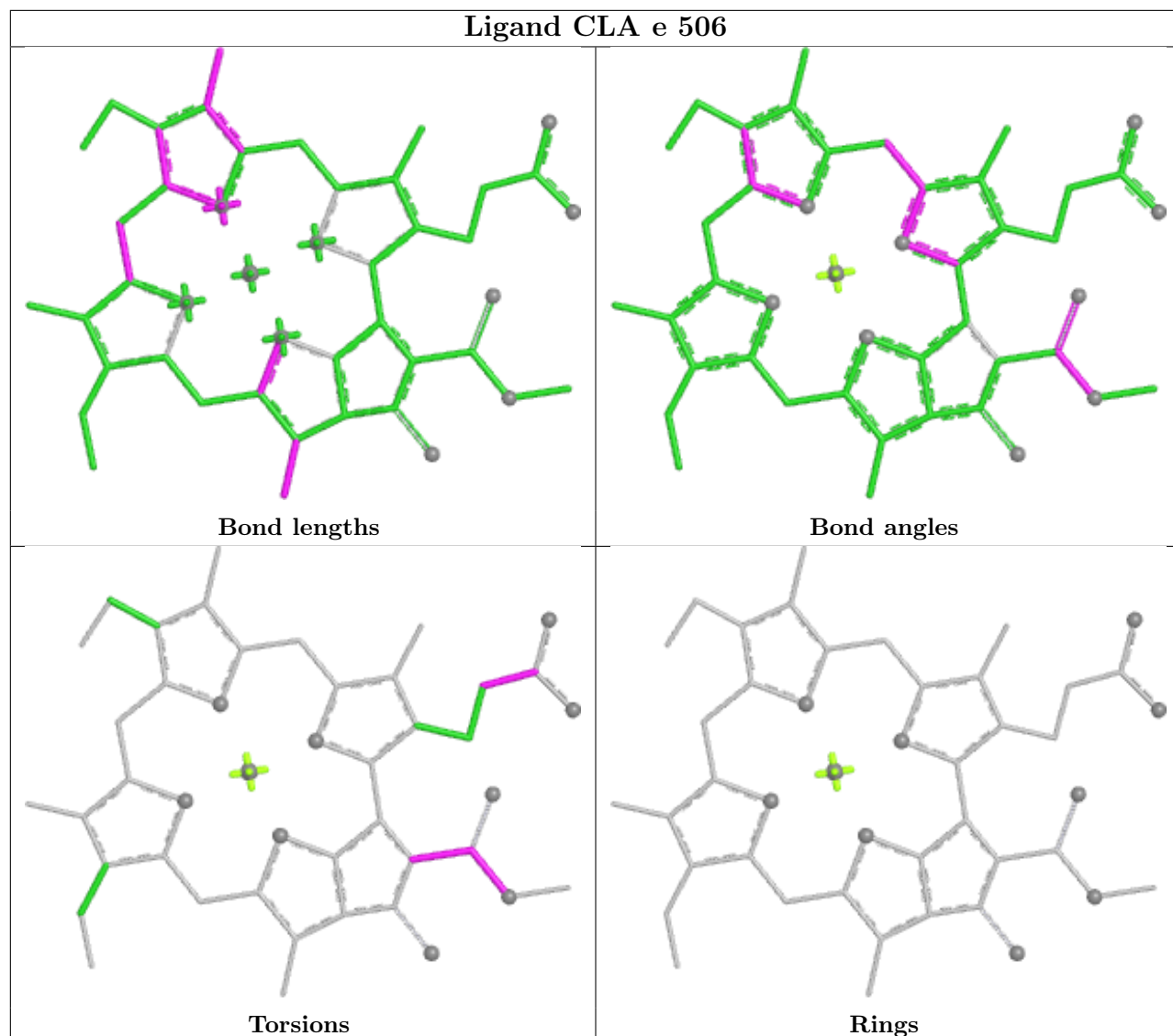


Rings

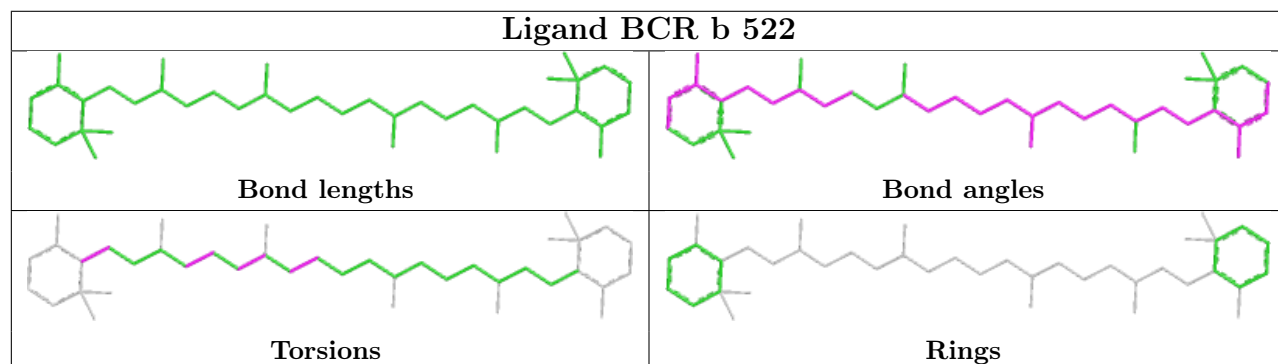




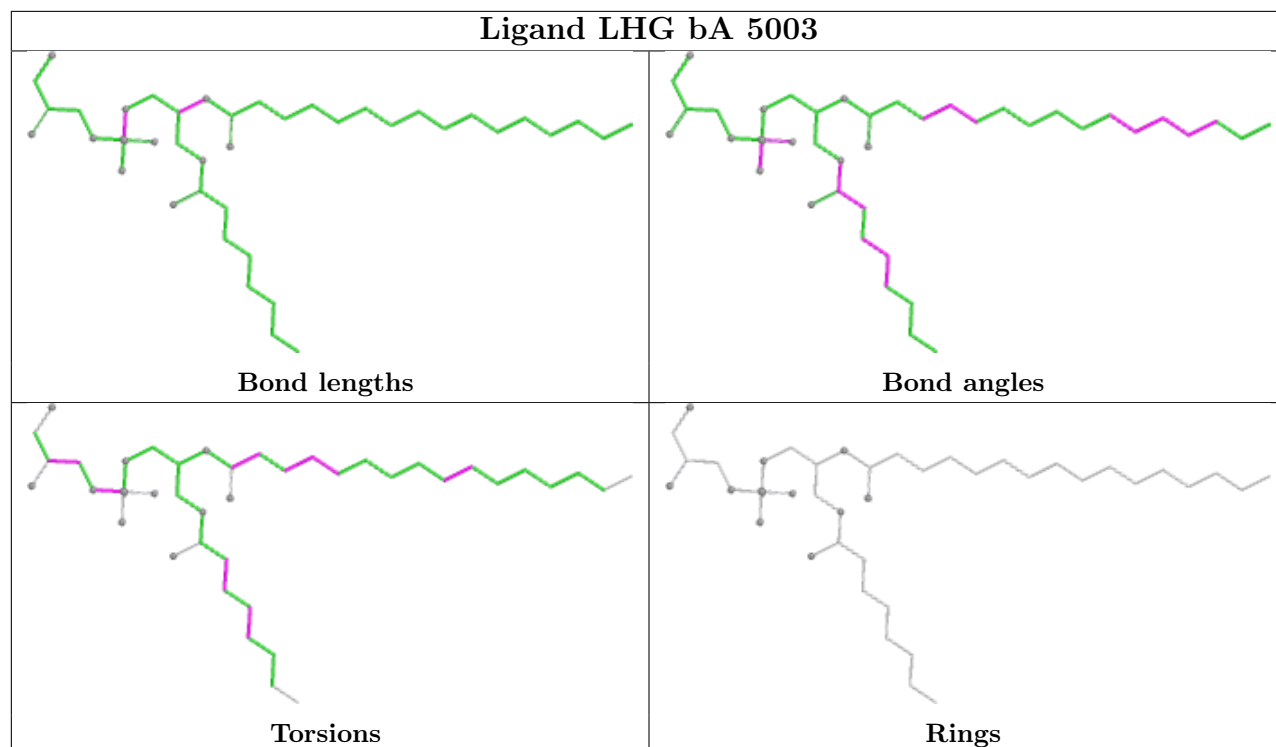
Ligand CLA e 506



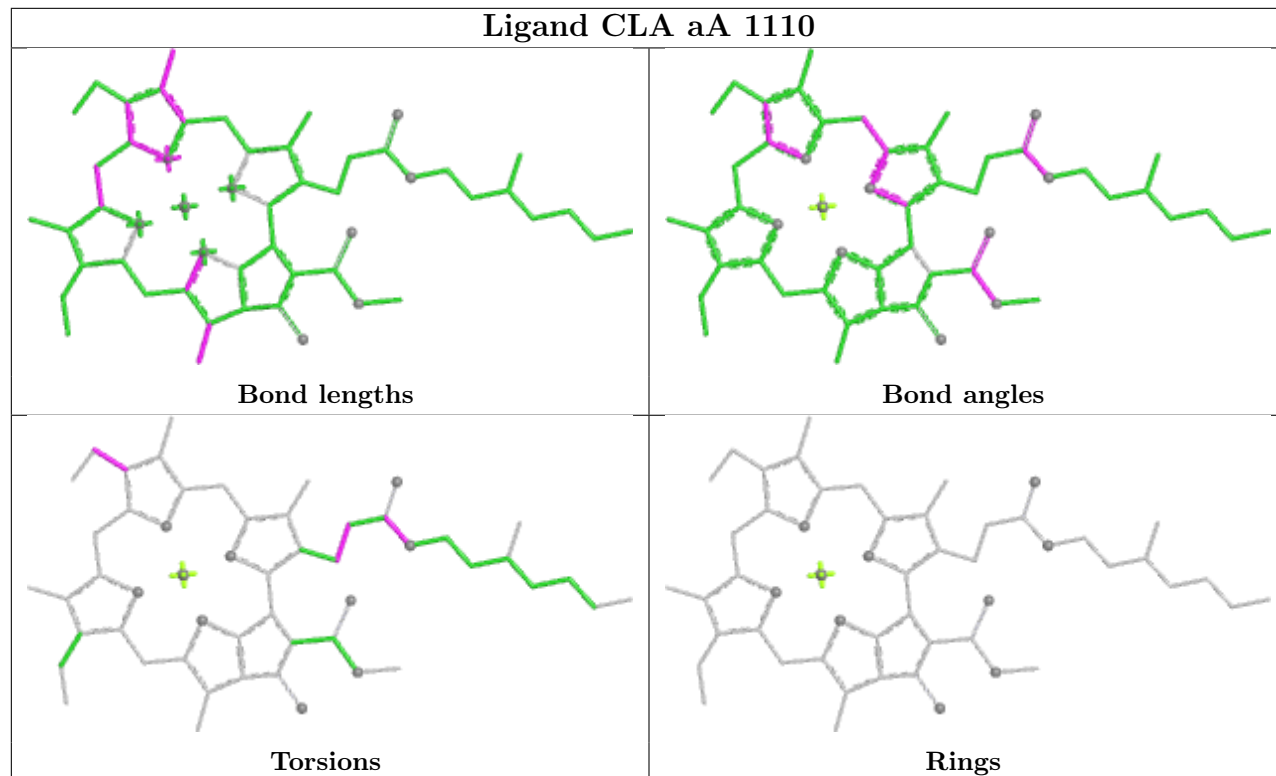
Ligand BCR b 522

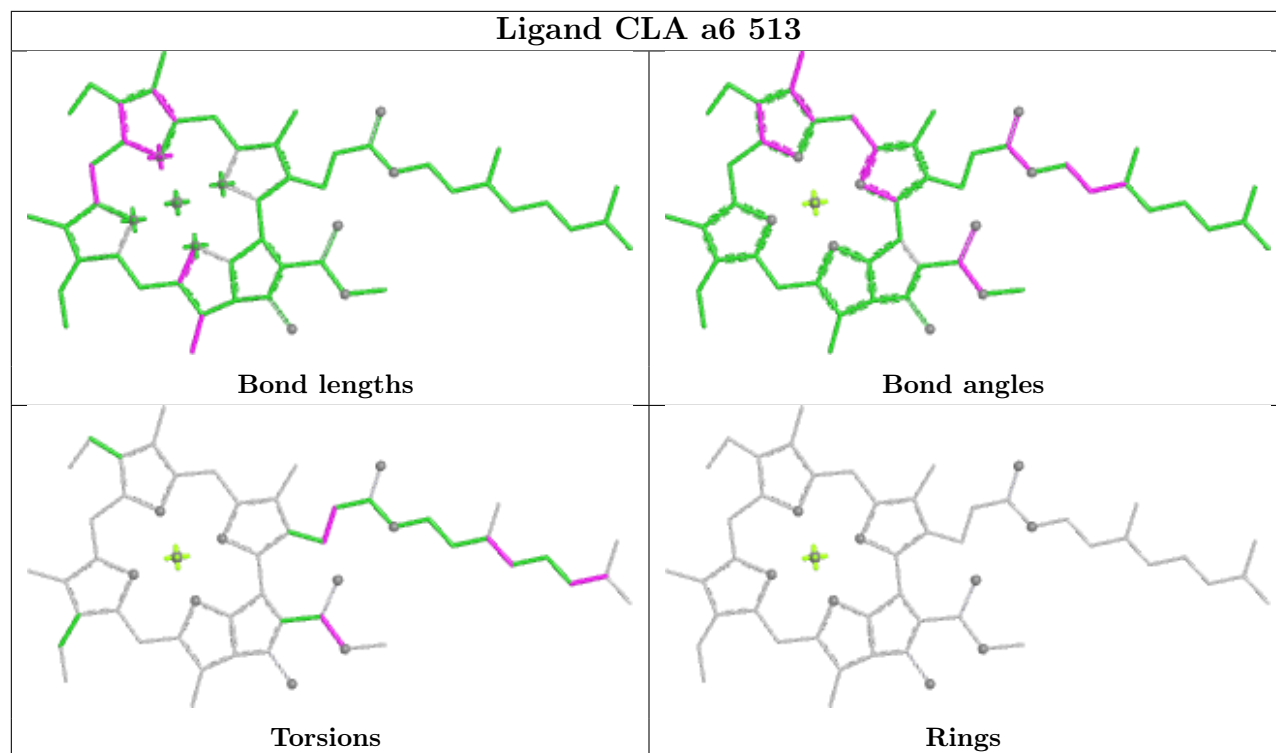


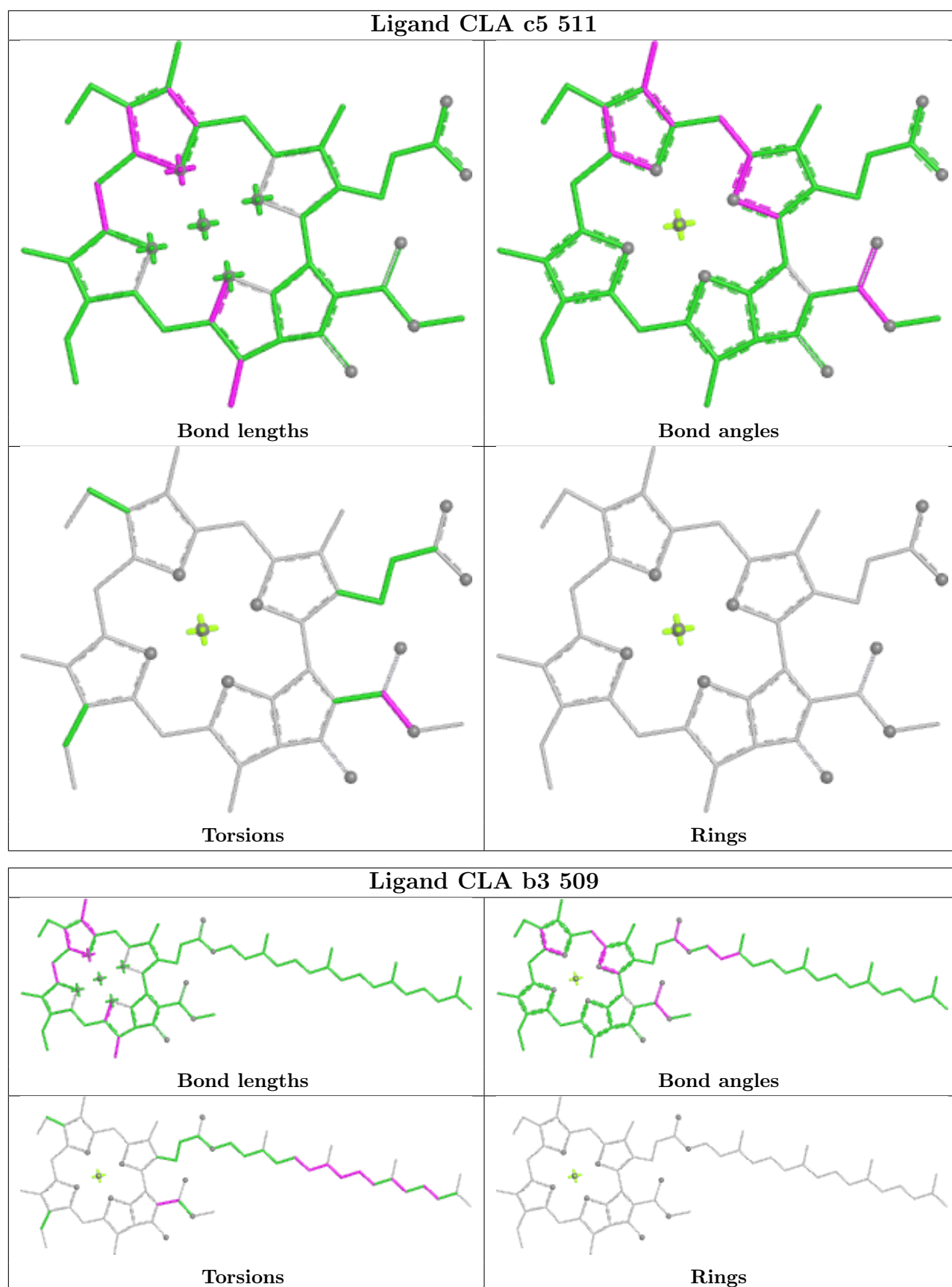
Ligand LHG bA 5003



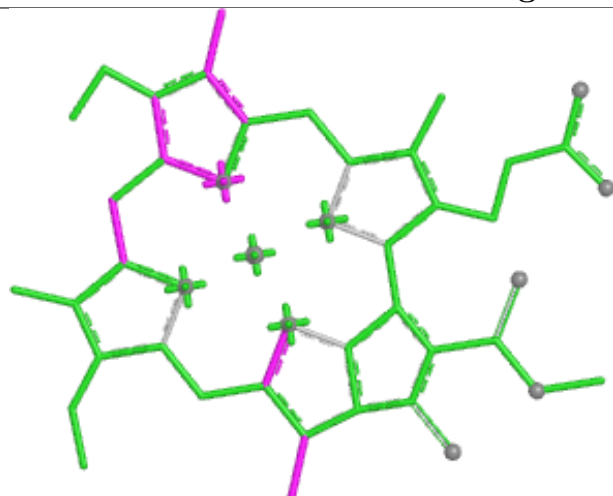
Ligand CLA aA 1110







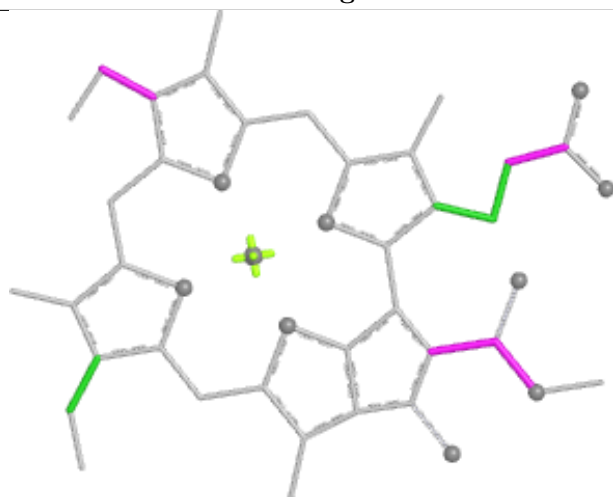
Ligand CLA a 512



Bond lengths



Bond angles

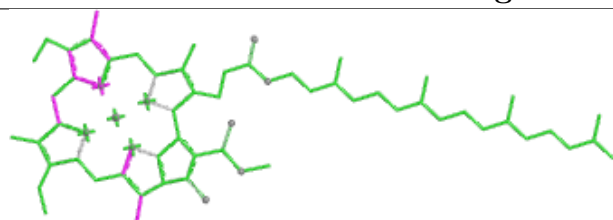


Torsions

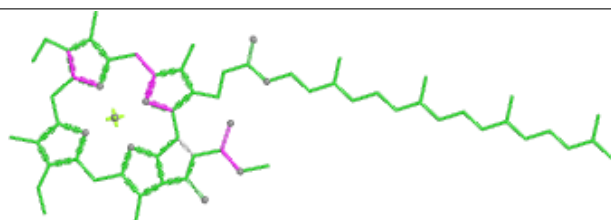


Rings

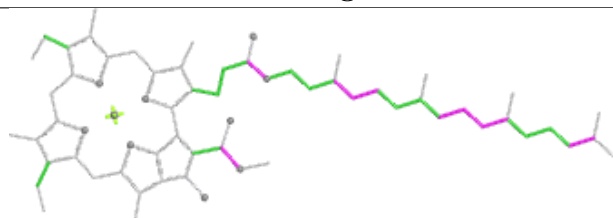
Ligand CLA bA 1133



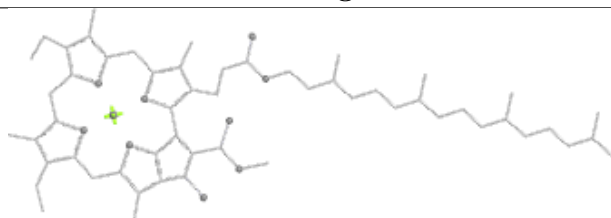
Bond lengths



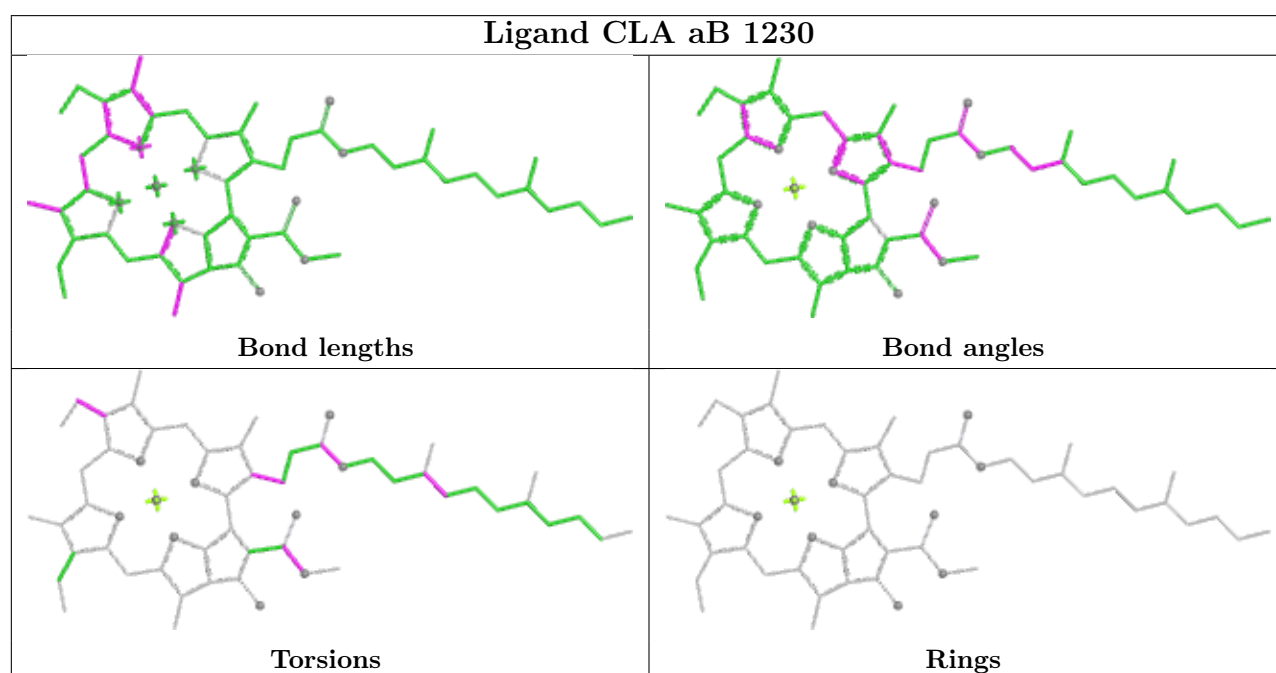
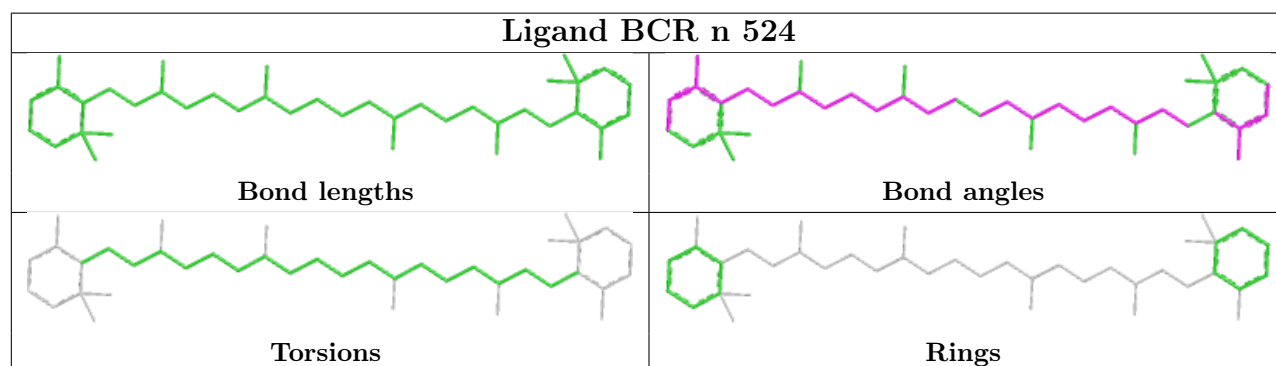
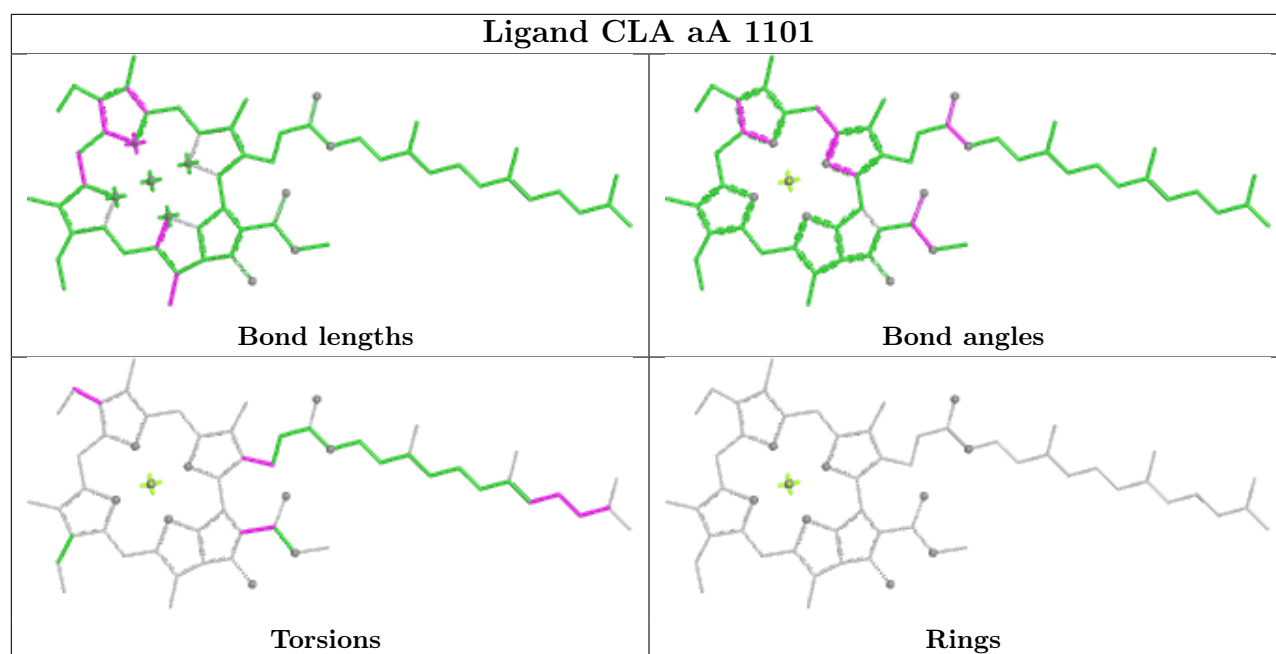
Bond angles



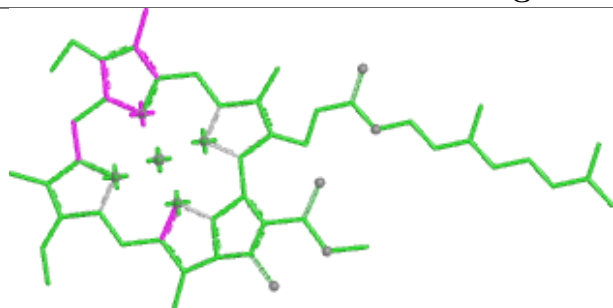
Torsions



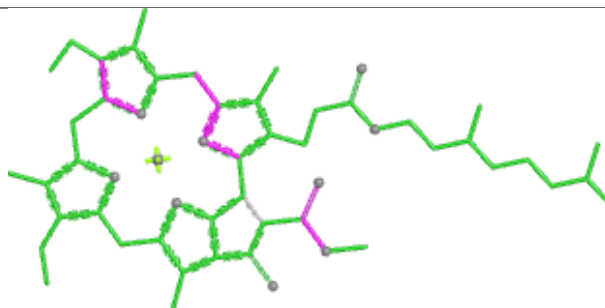
Rings



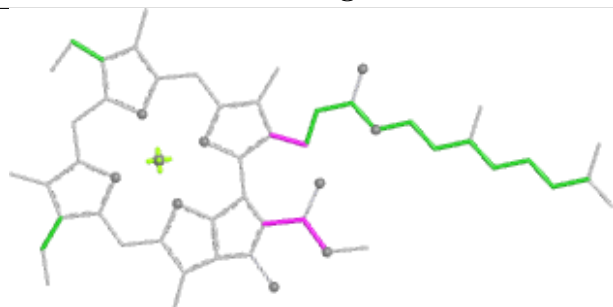
Ligand CLA U 511



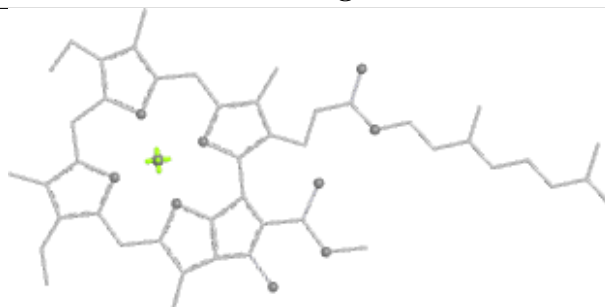
Bond lengths



Bond angles

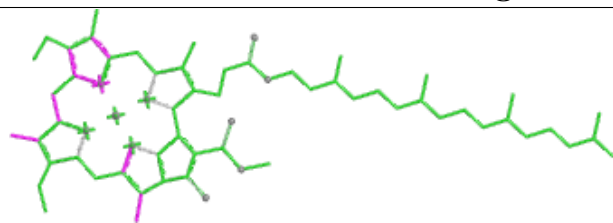


Torsions

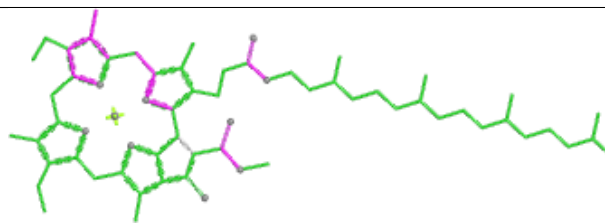


Rings

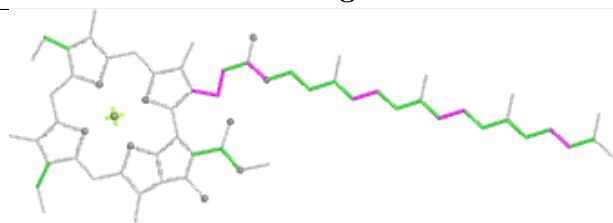
Ligand CLA bA 1013



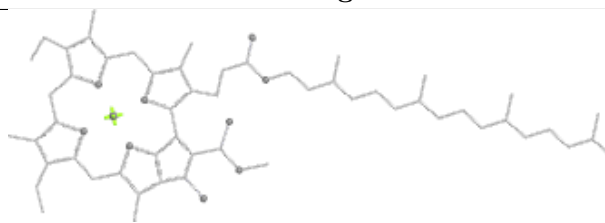
Bond lengths



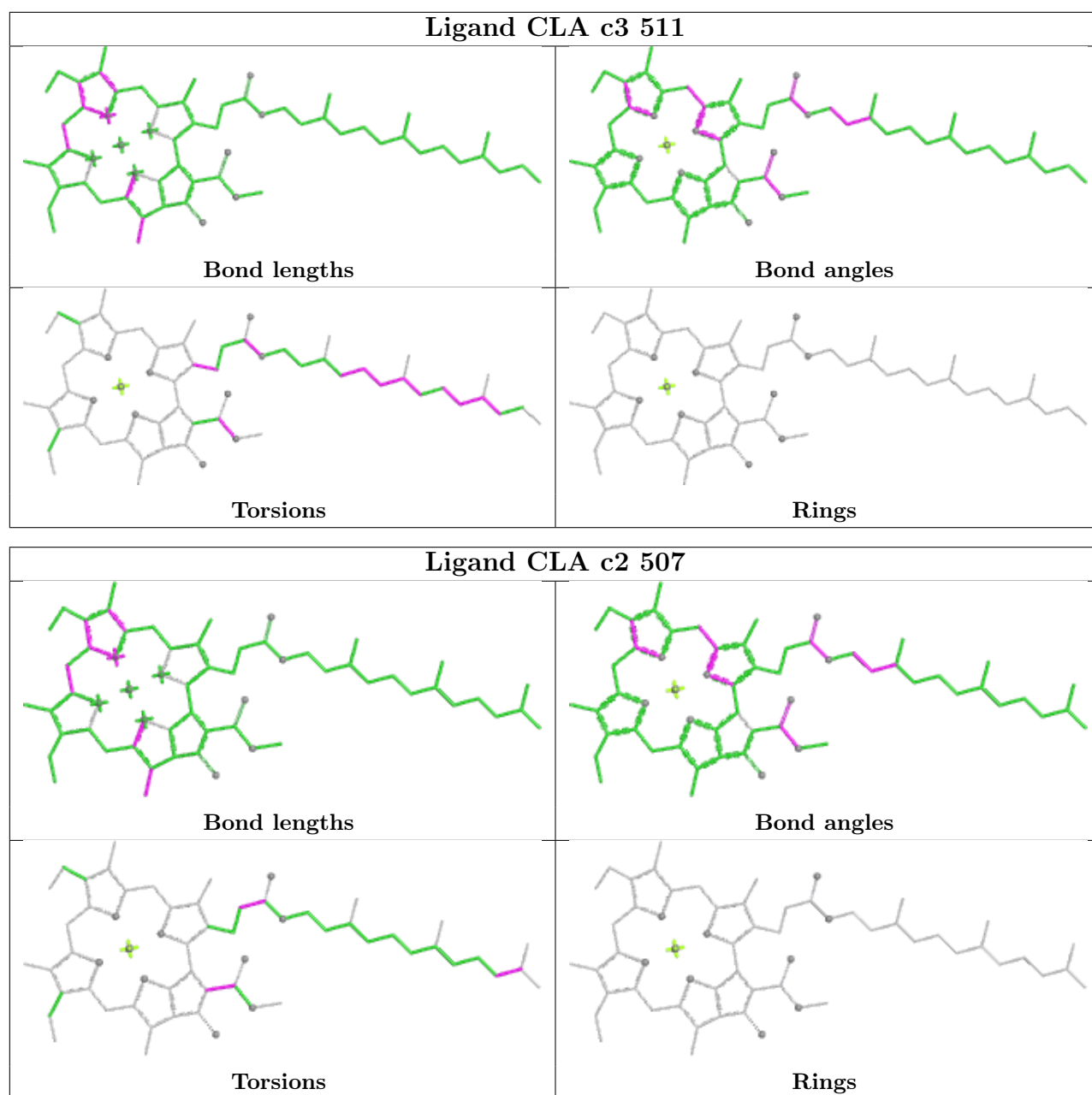
Bond angles



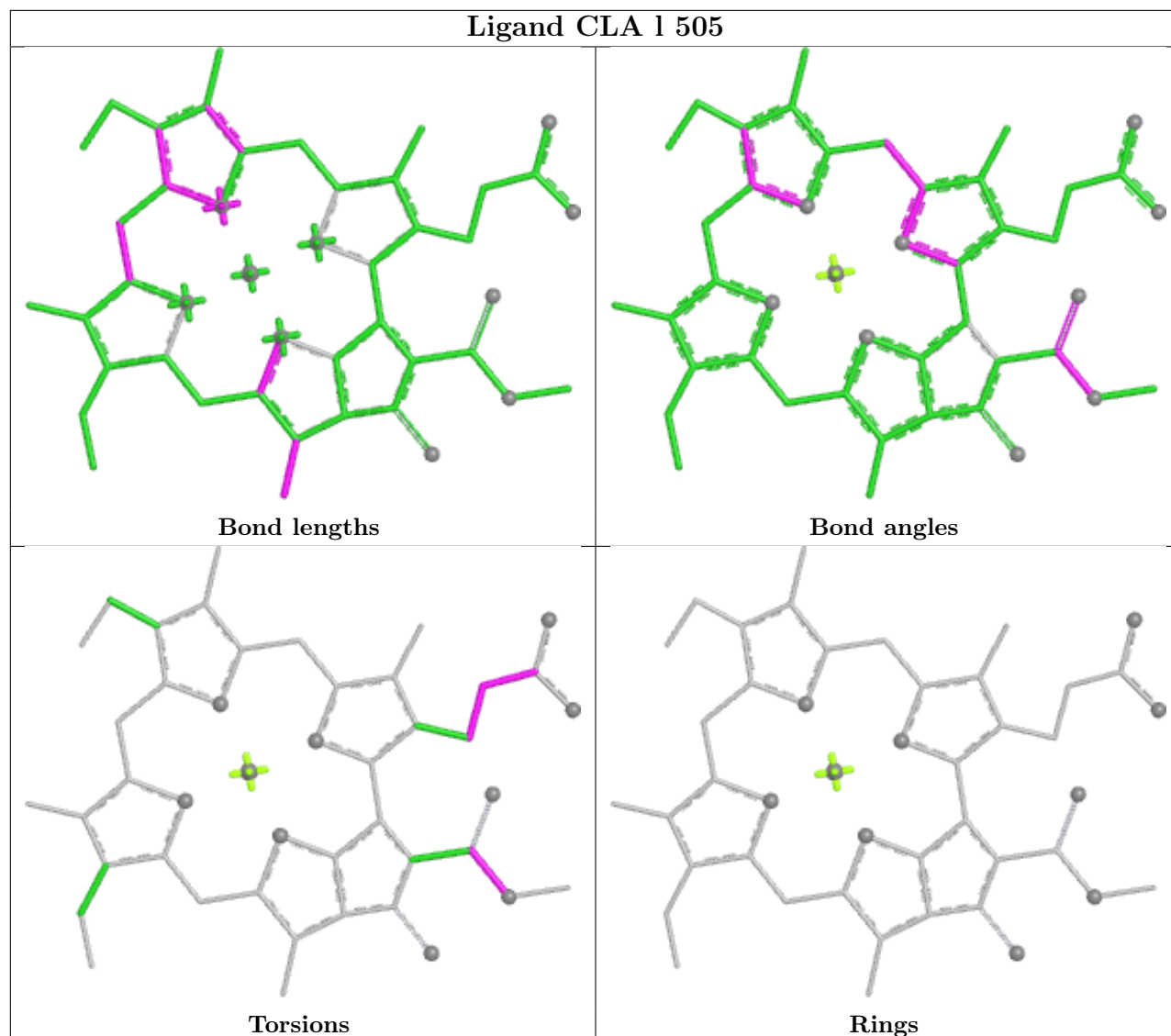
Torsions



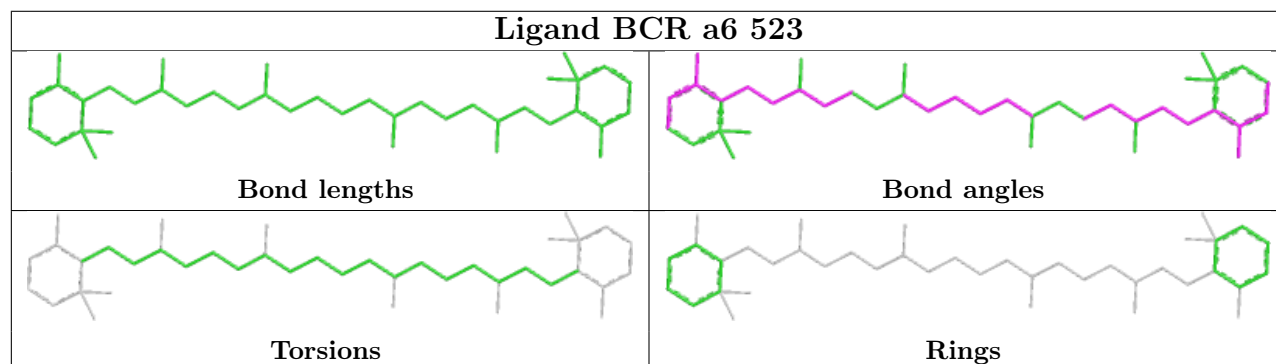
Rings



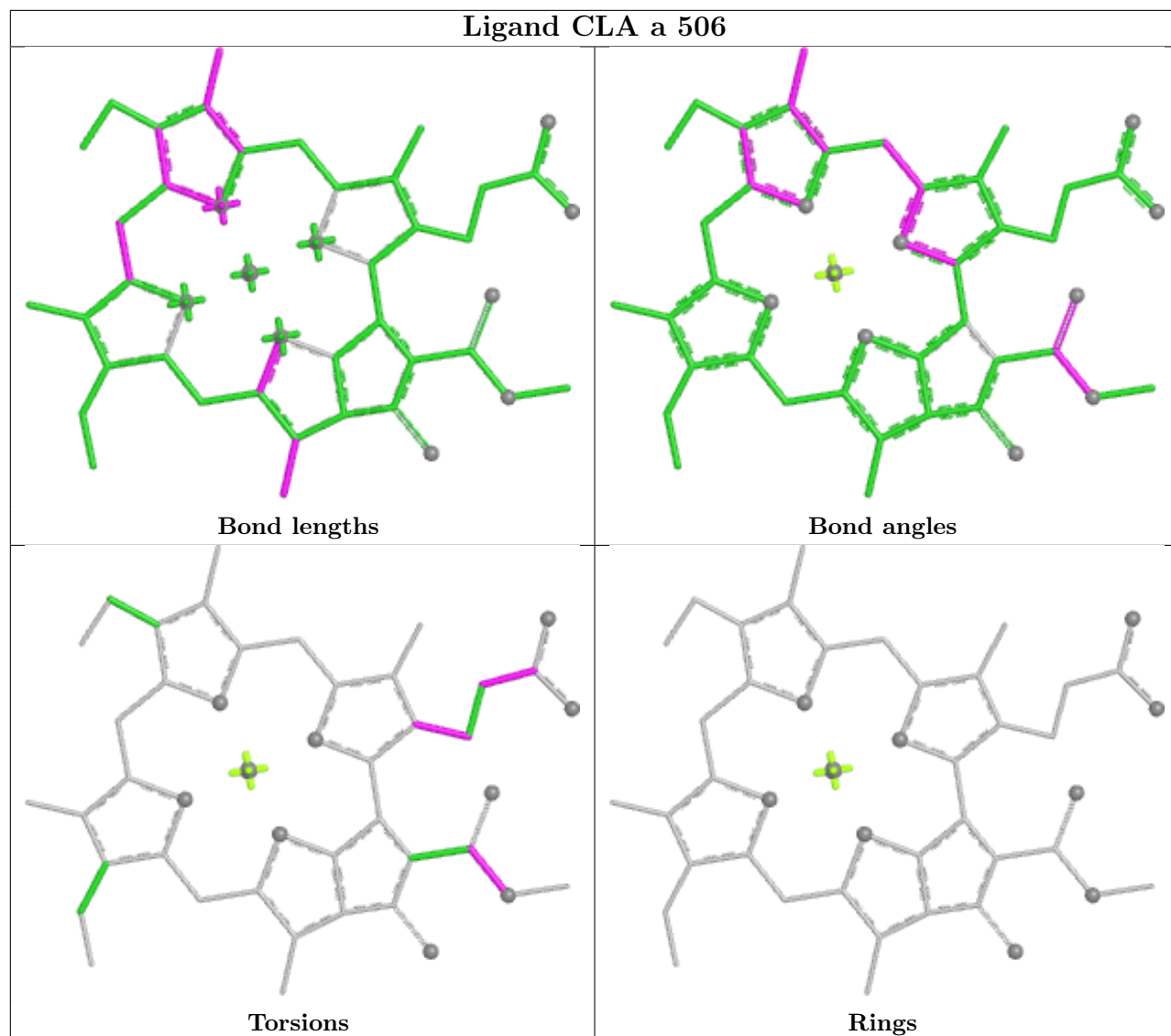
Ligand CLA 1 505

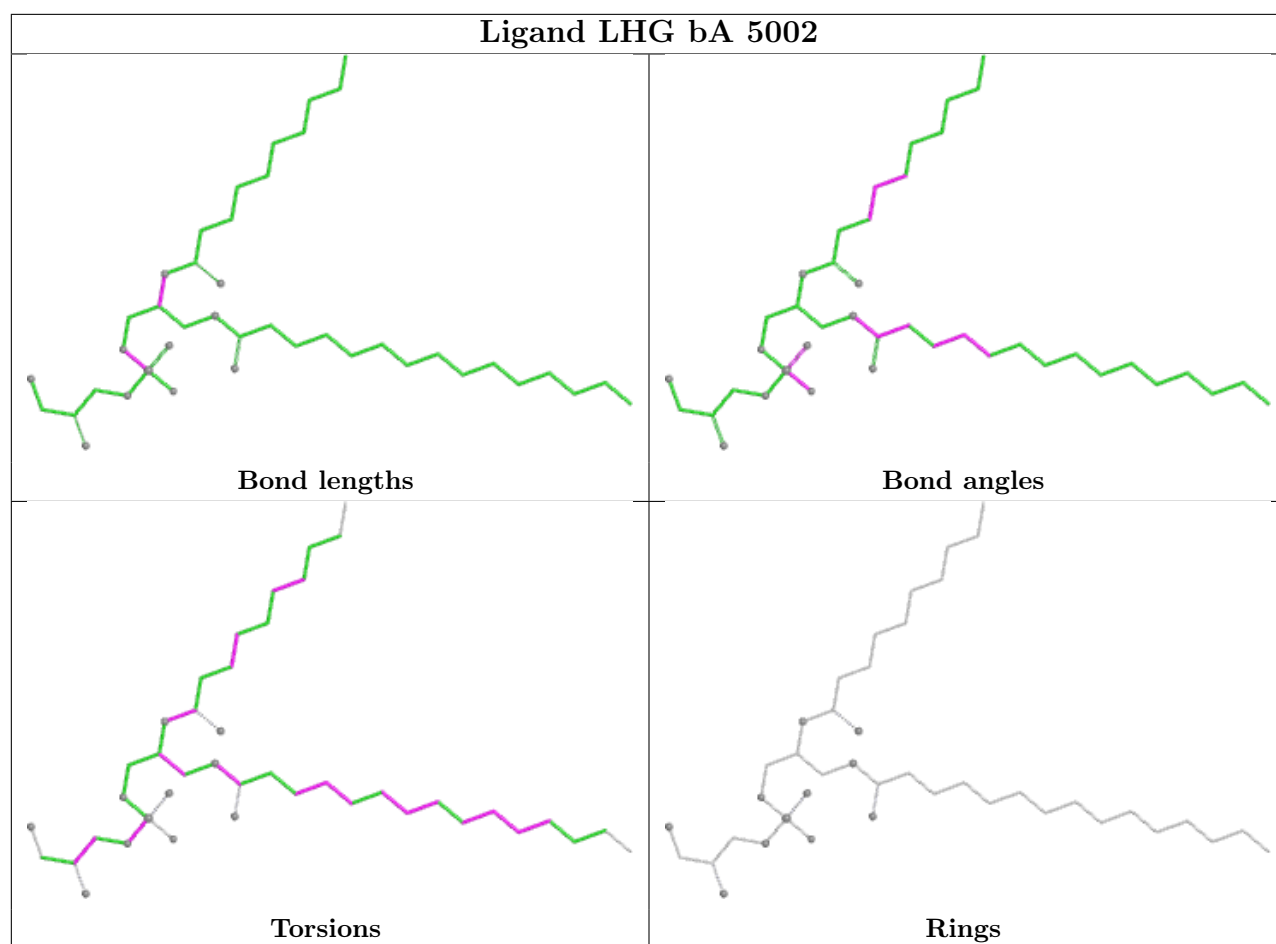


Ligand BCR a6 523

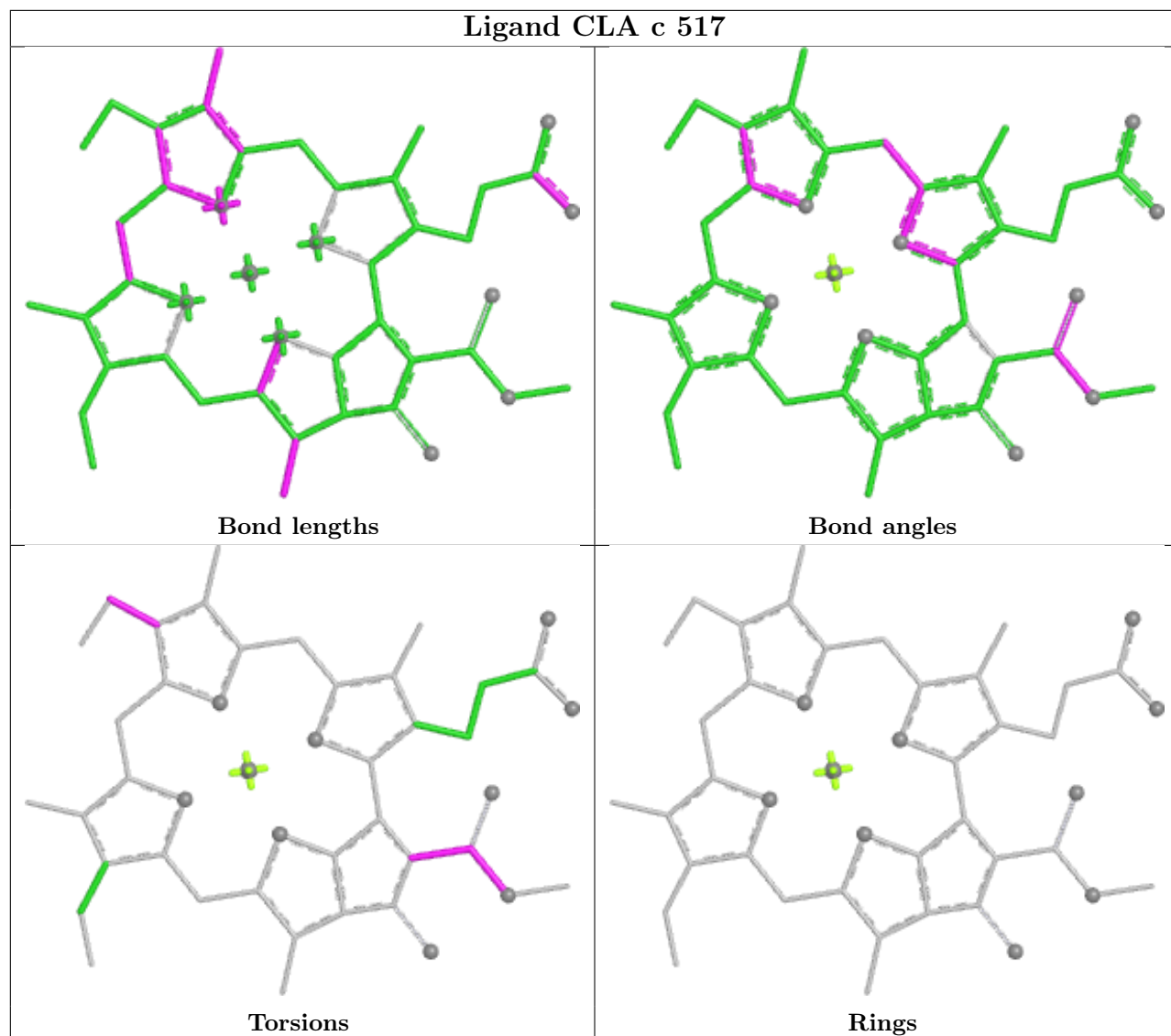


Ligand CLA a 506

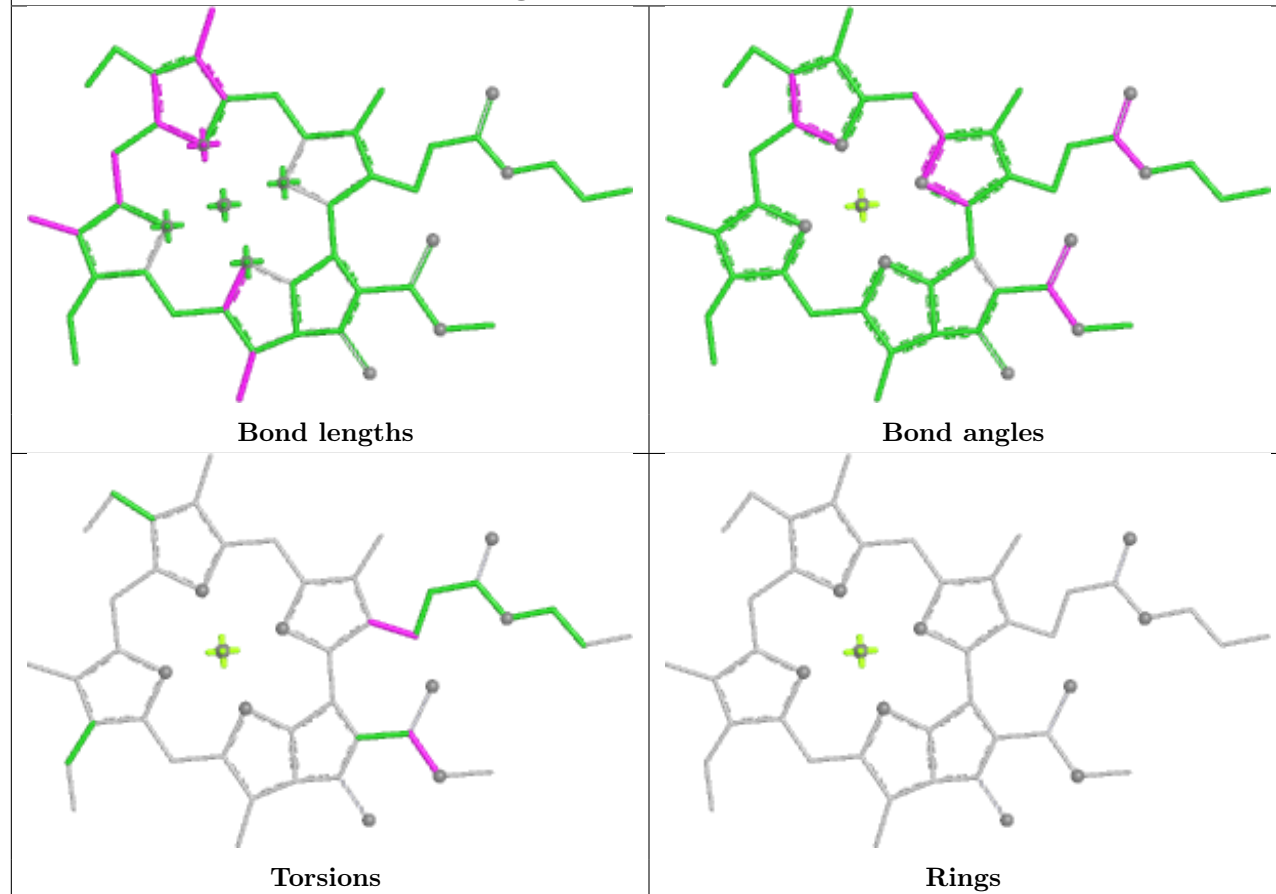




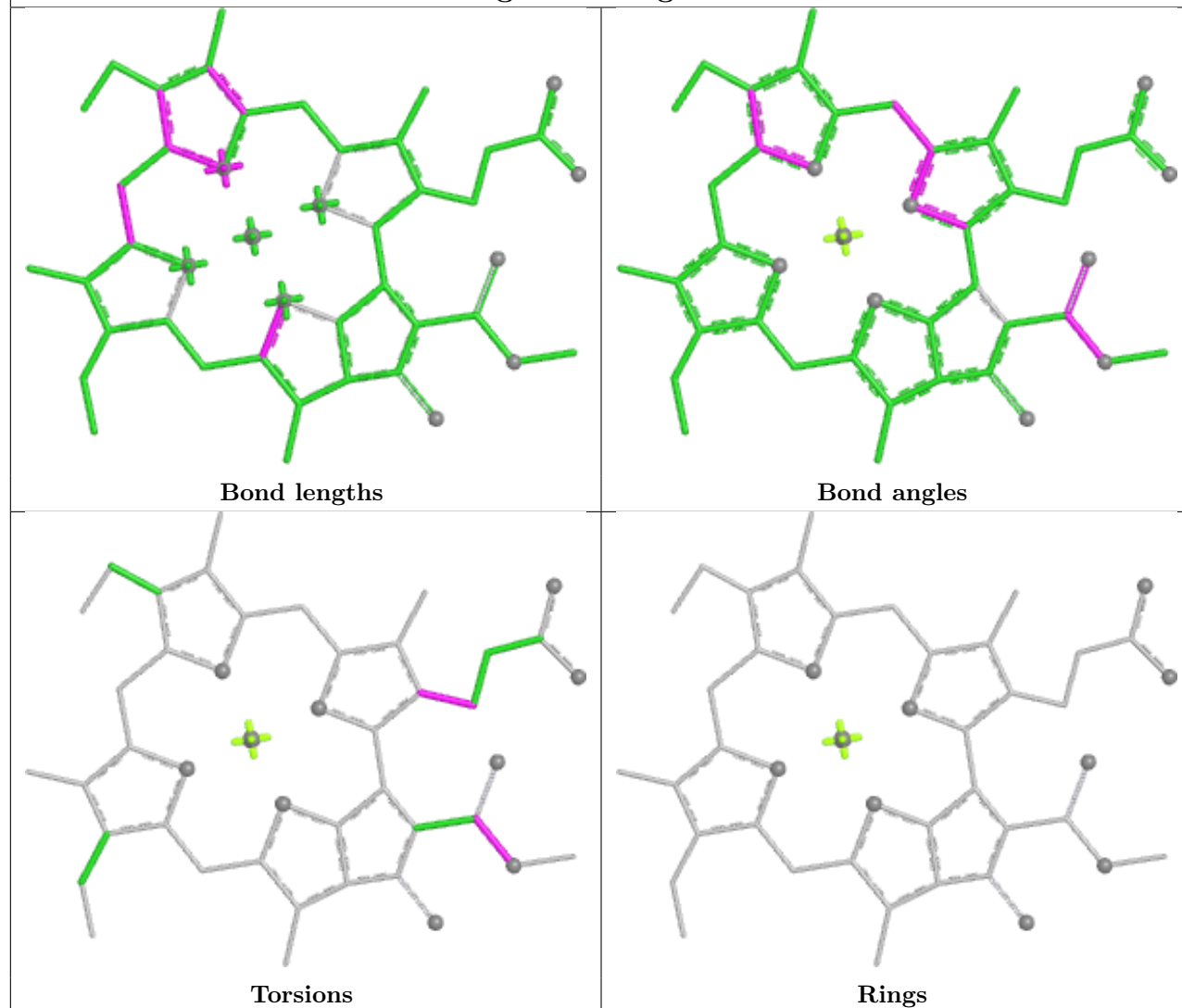
Ligand CLA c 517



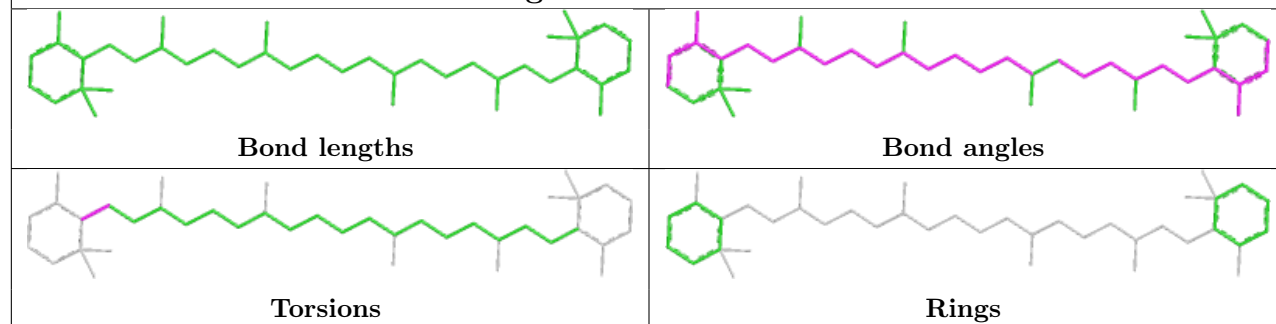
Ligand CLA bA 1112

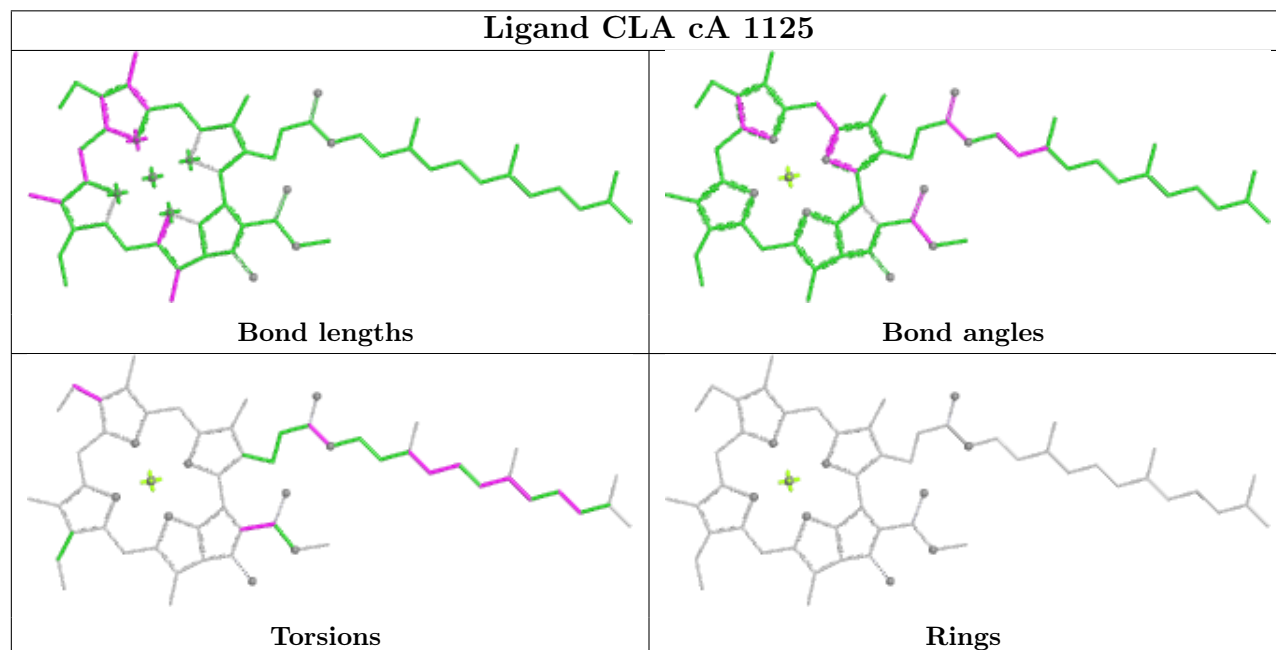
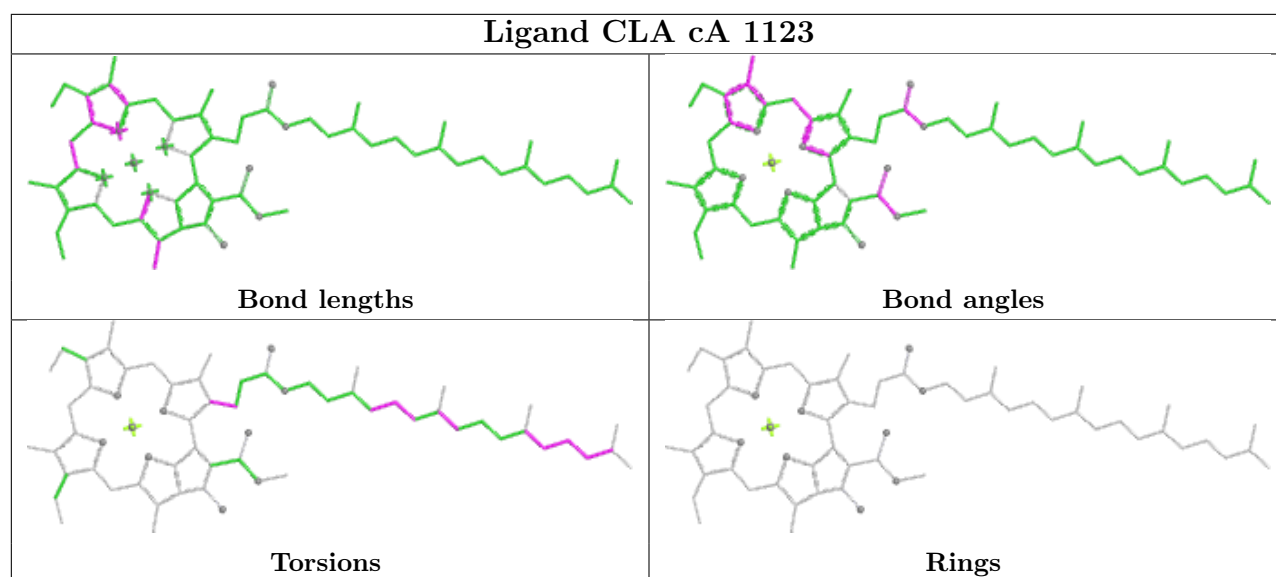


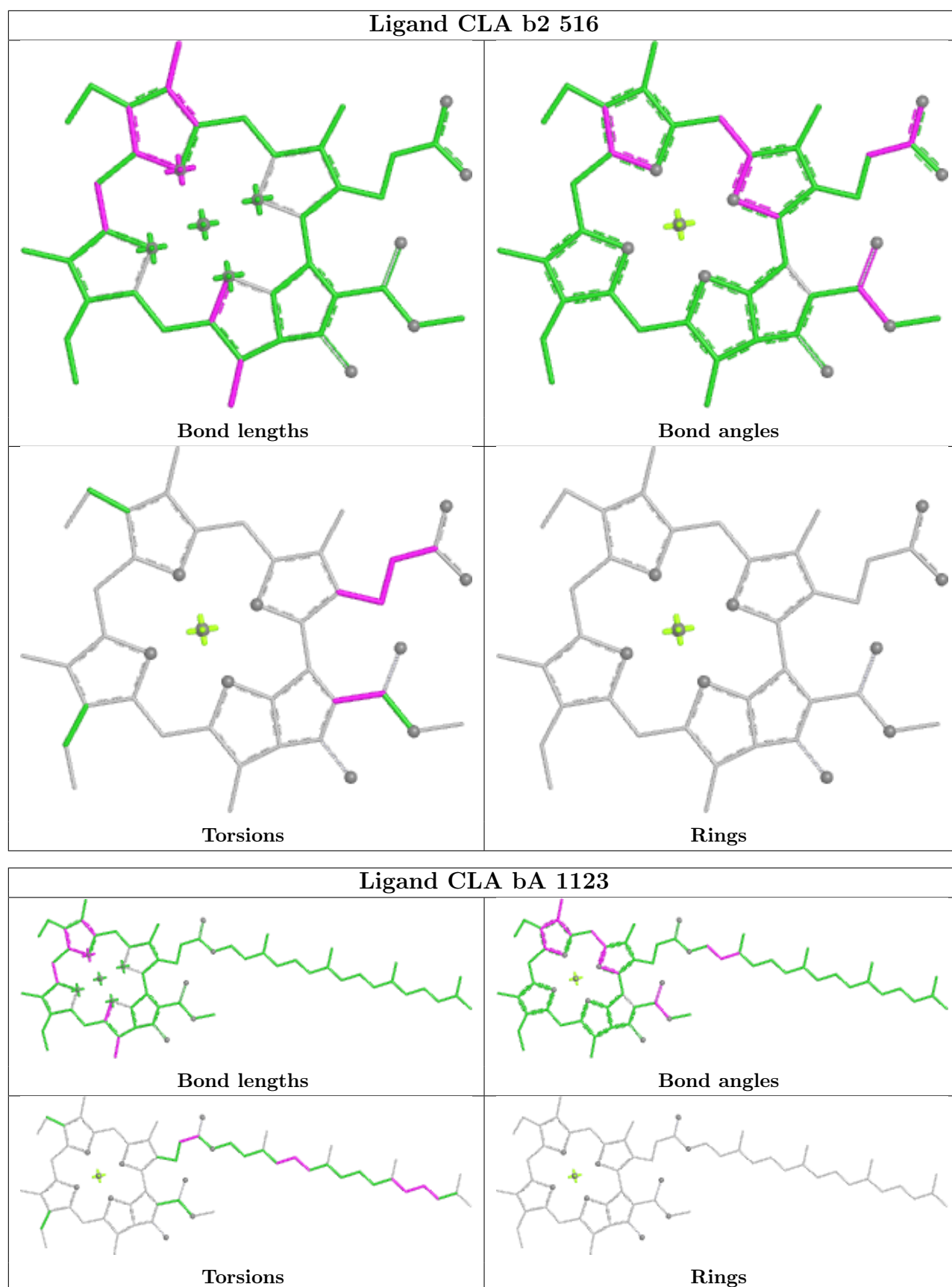
Ligand CLA g 511

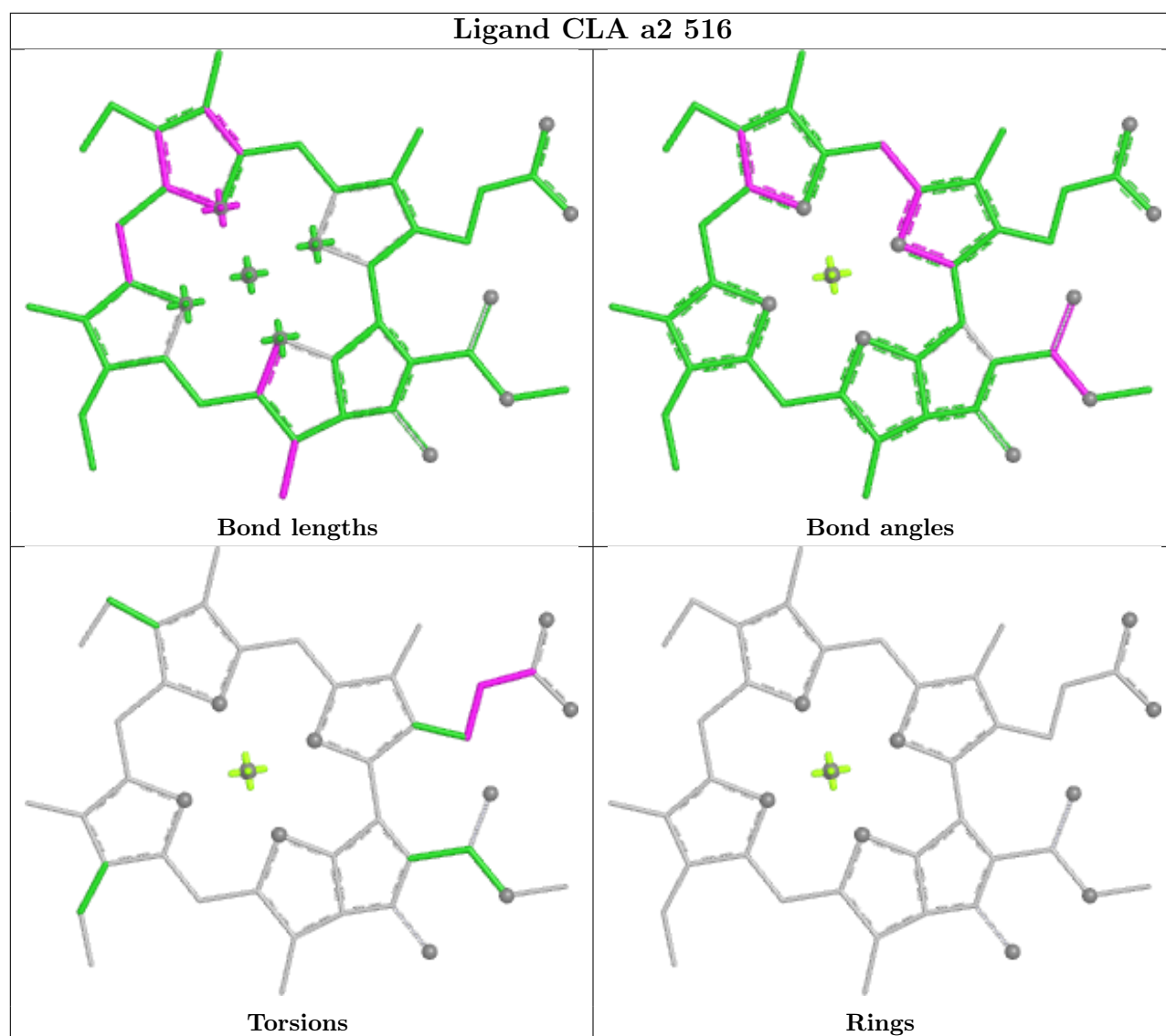


Ligand BCR a3 522

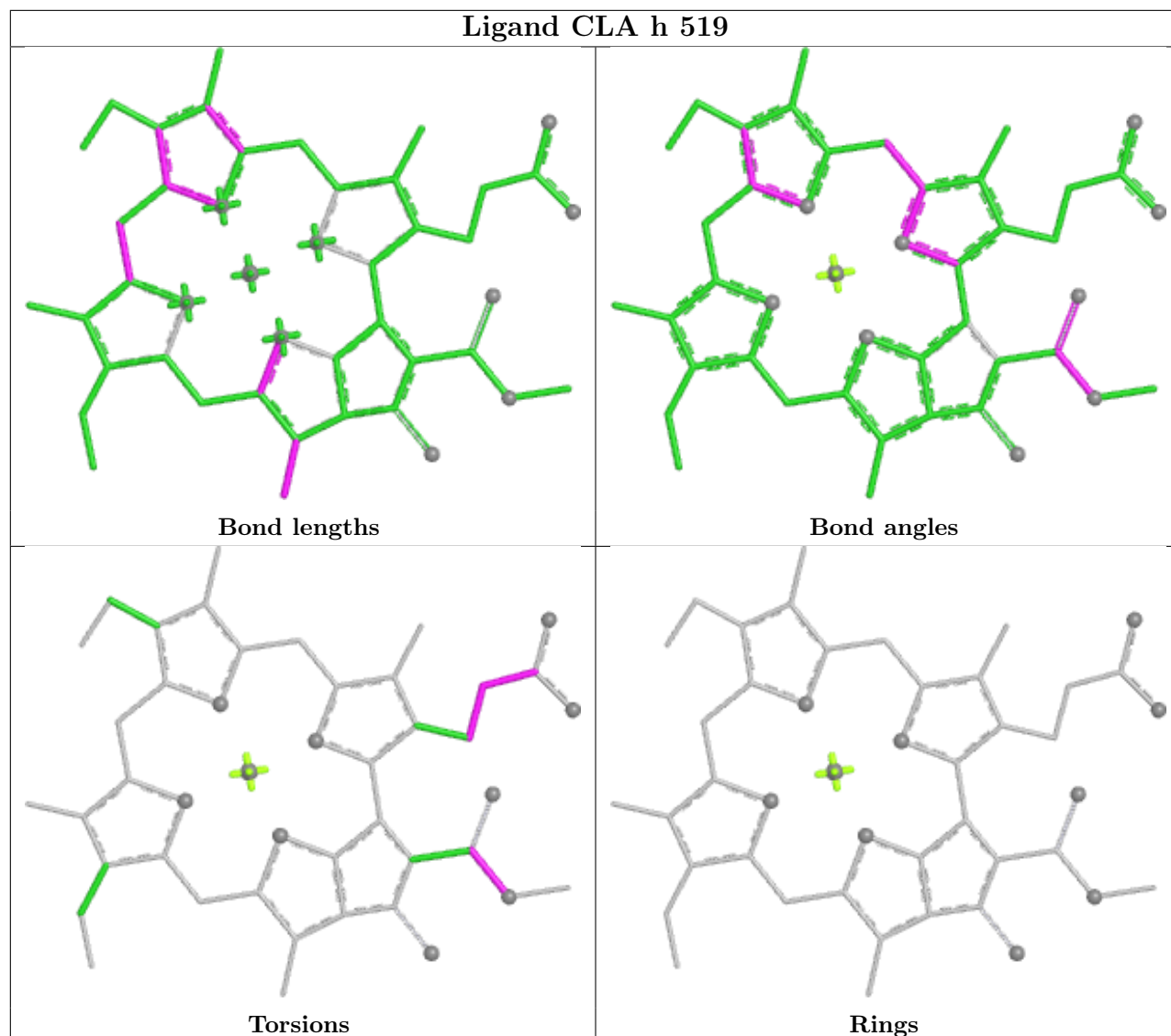




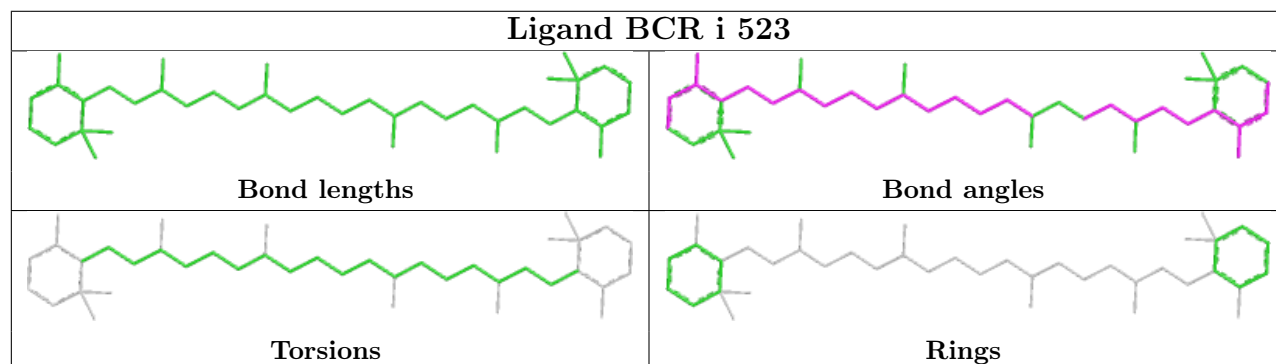




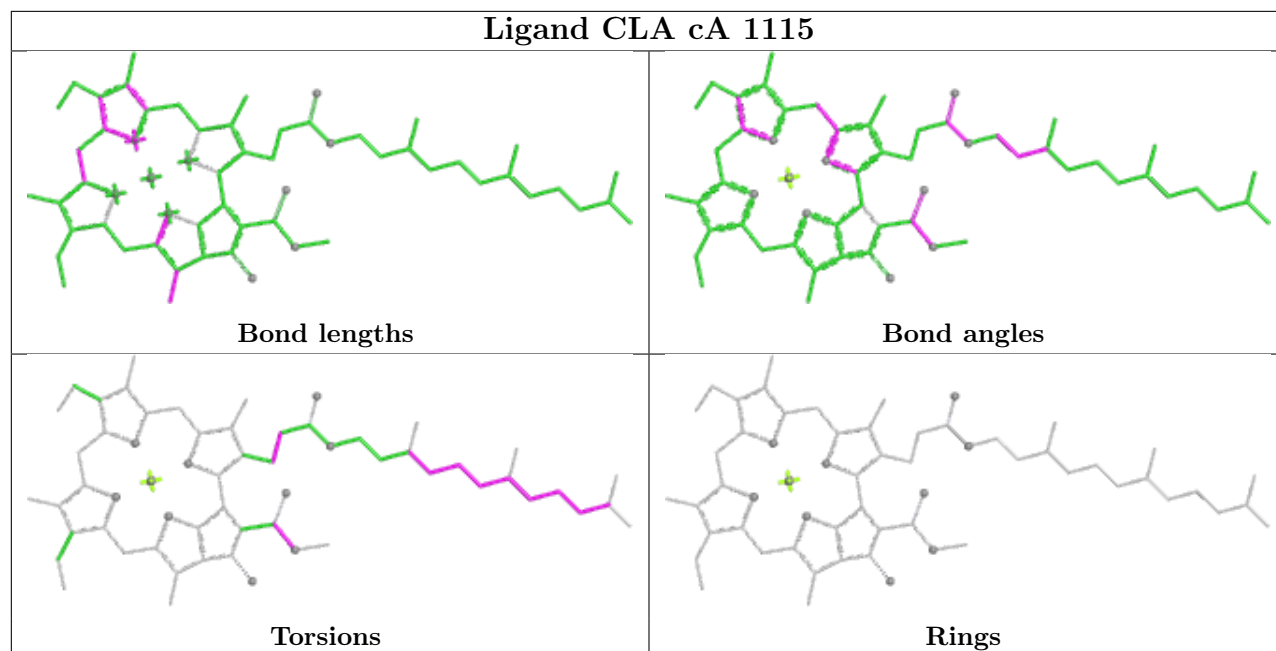
Ligand CLA h 519



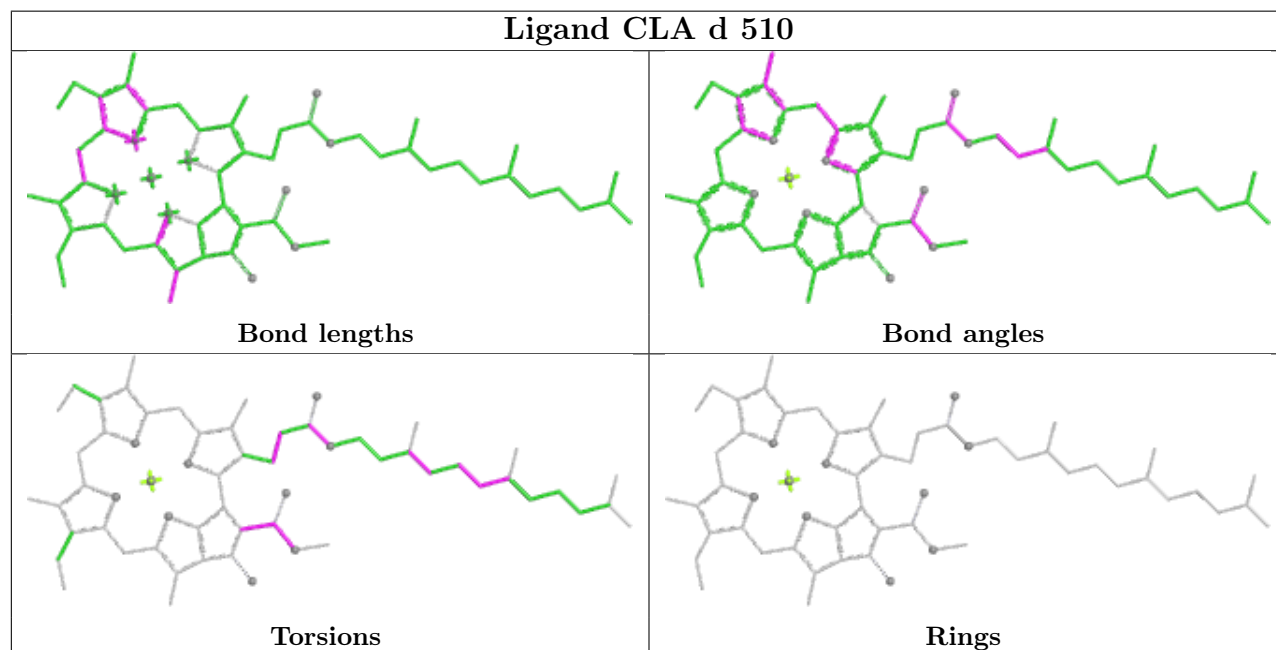
Ligand BCR i 523



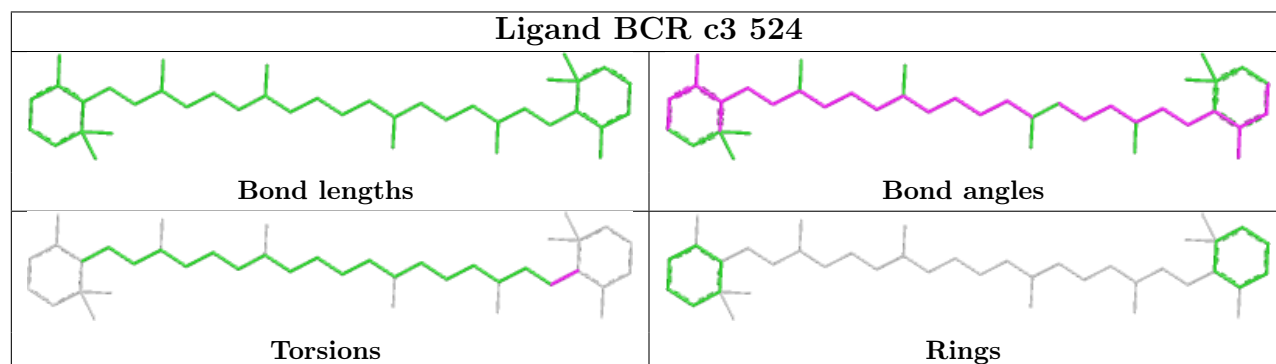
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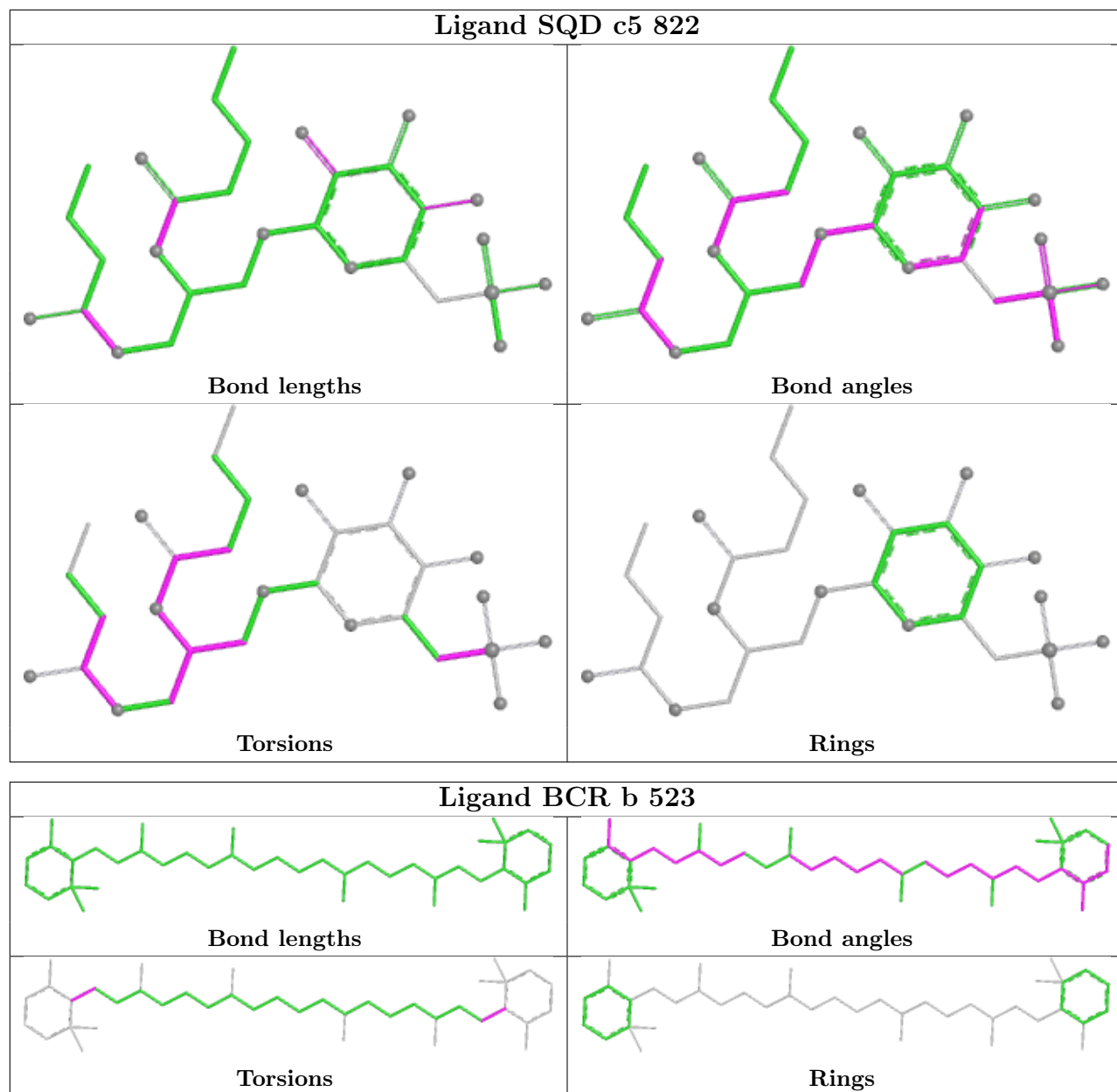


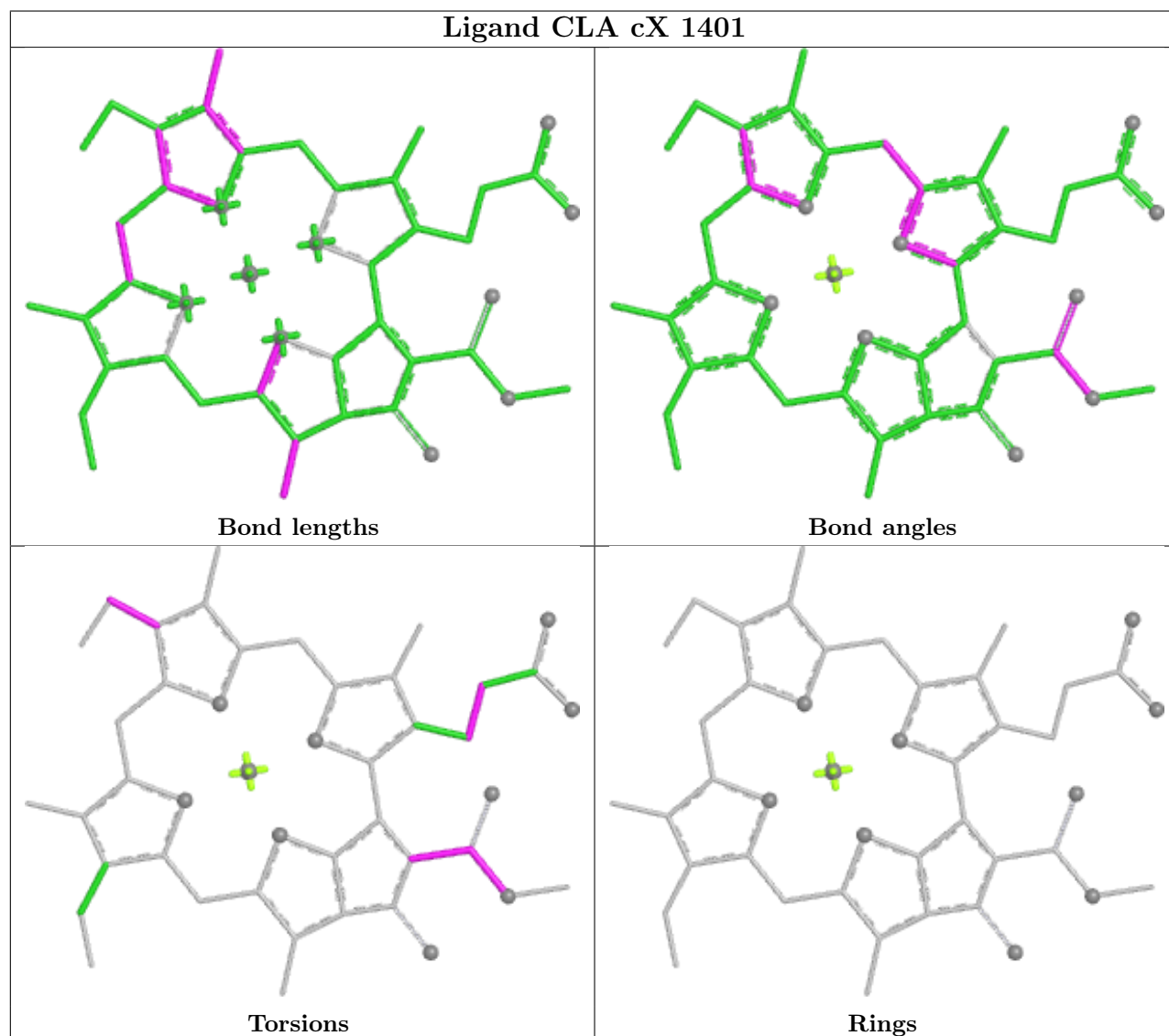
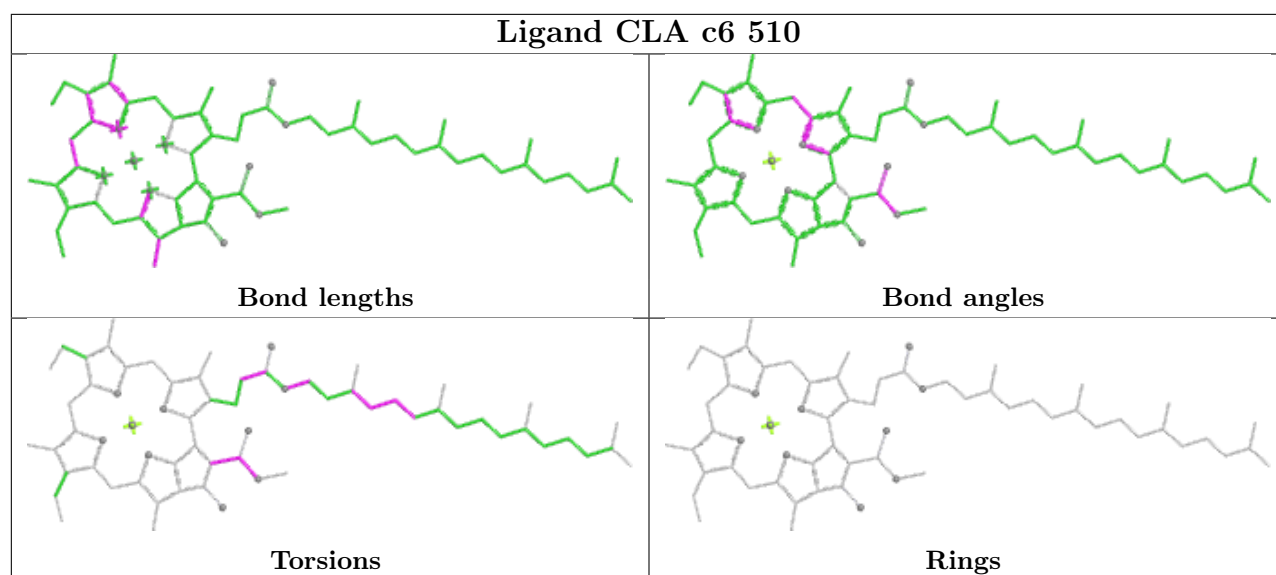
Ligand CLA d 510

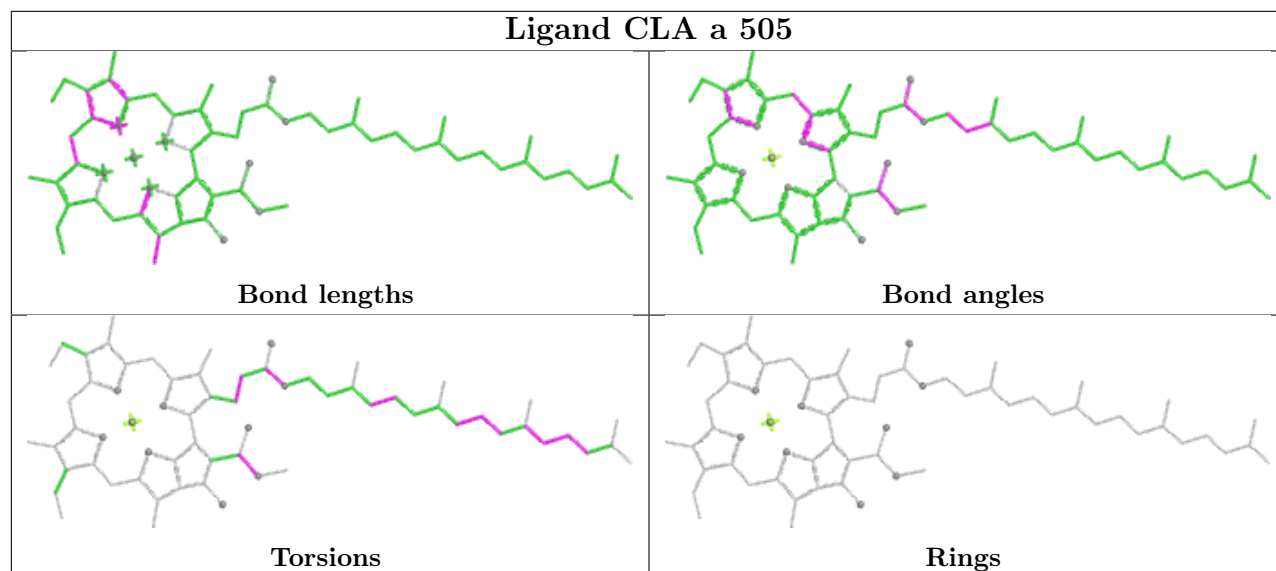
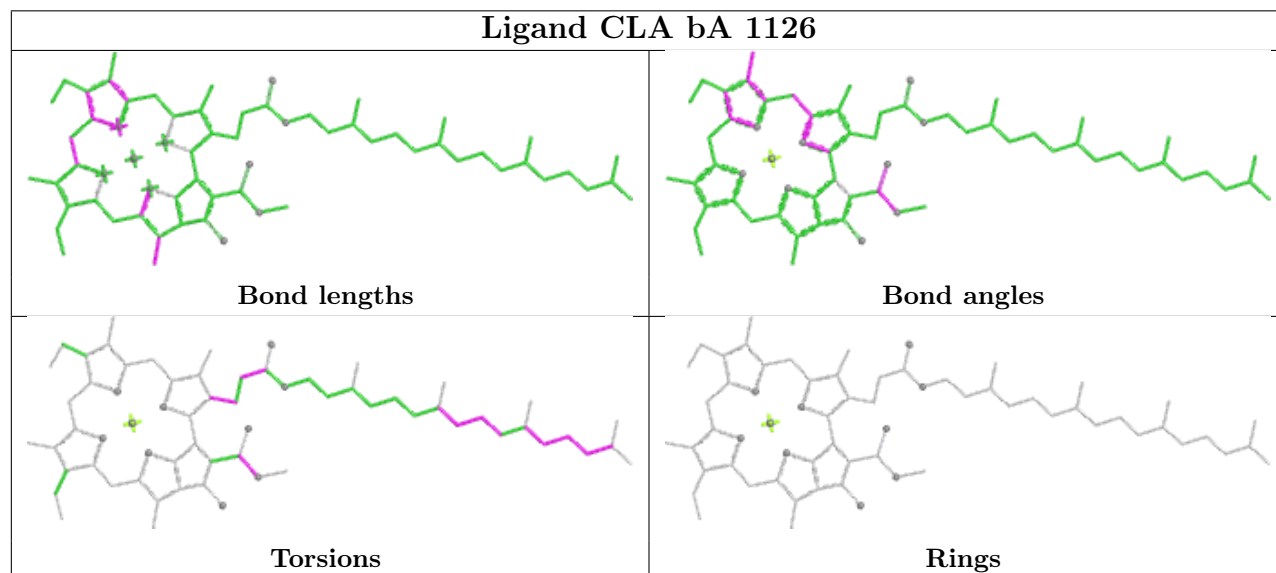
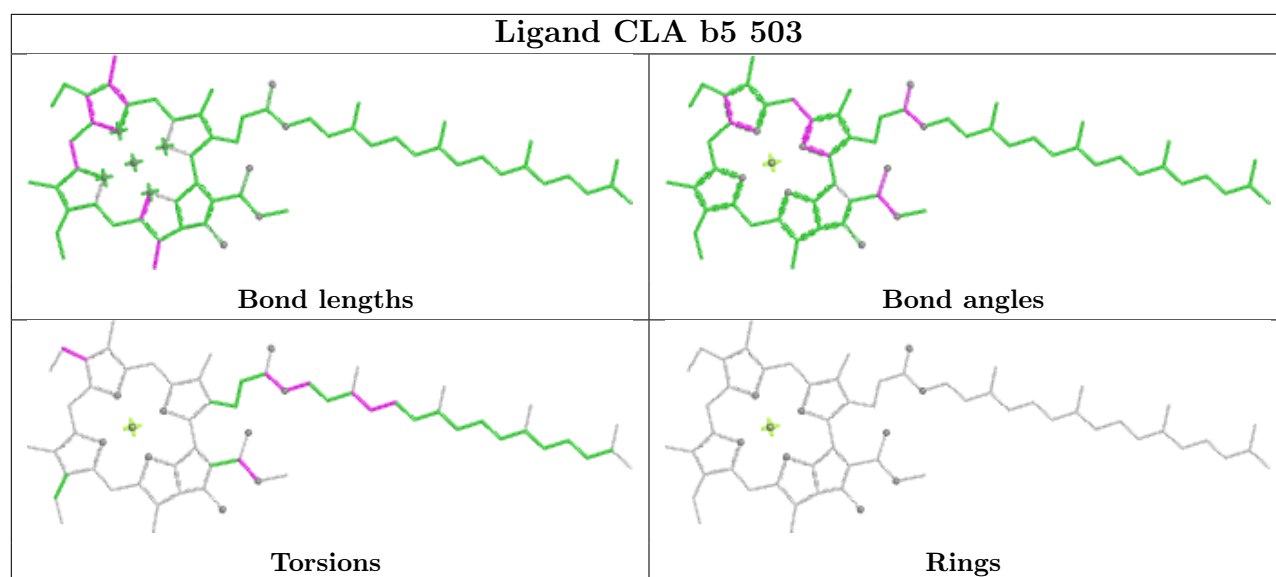


Ligand BCR c3 524

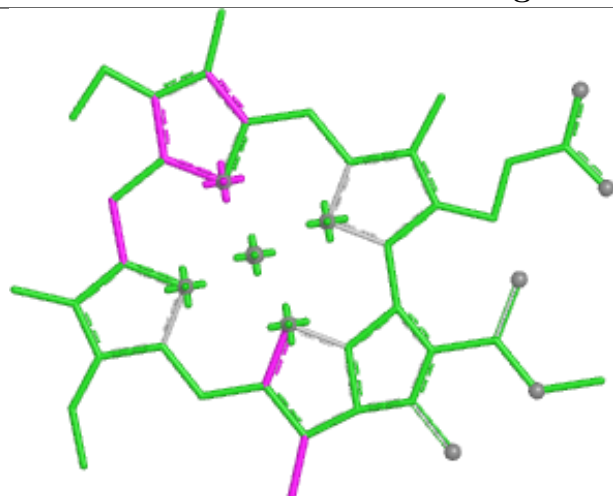




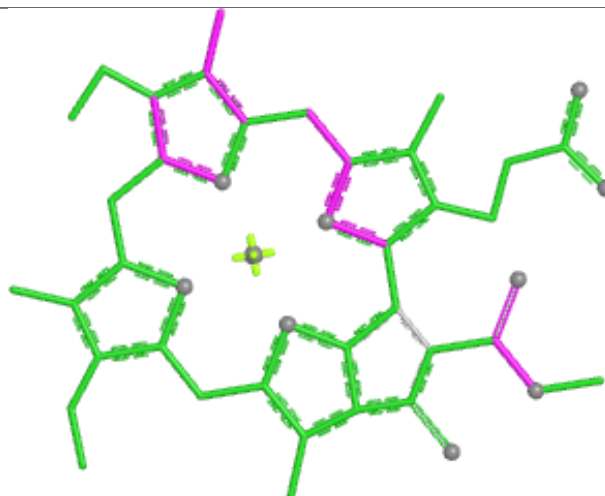




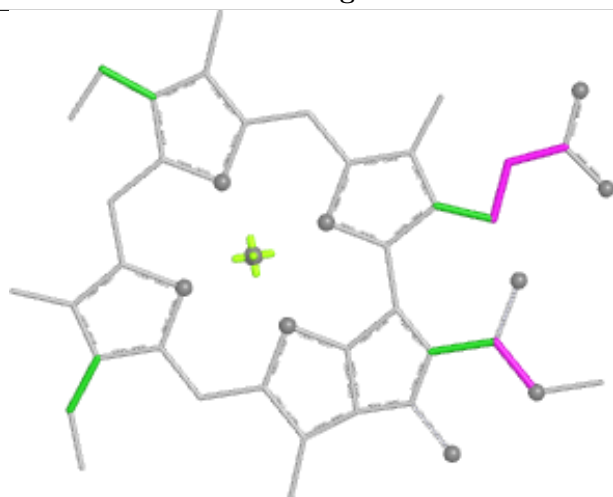
Ligand CLA U 513



Bond lengths



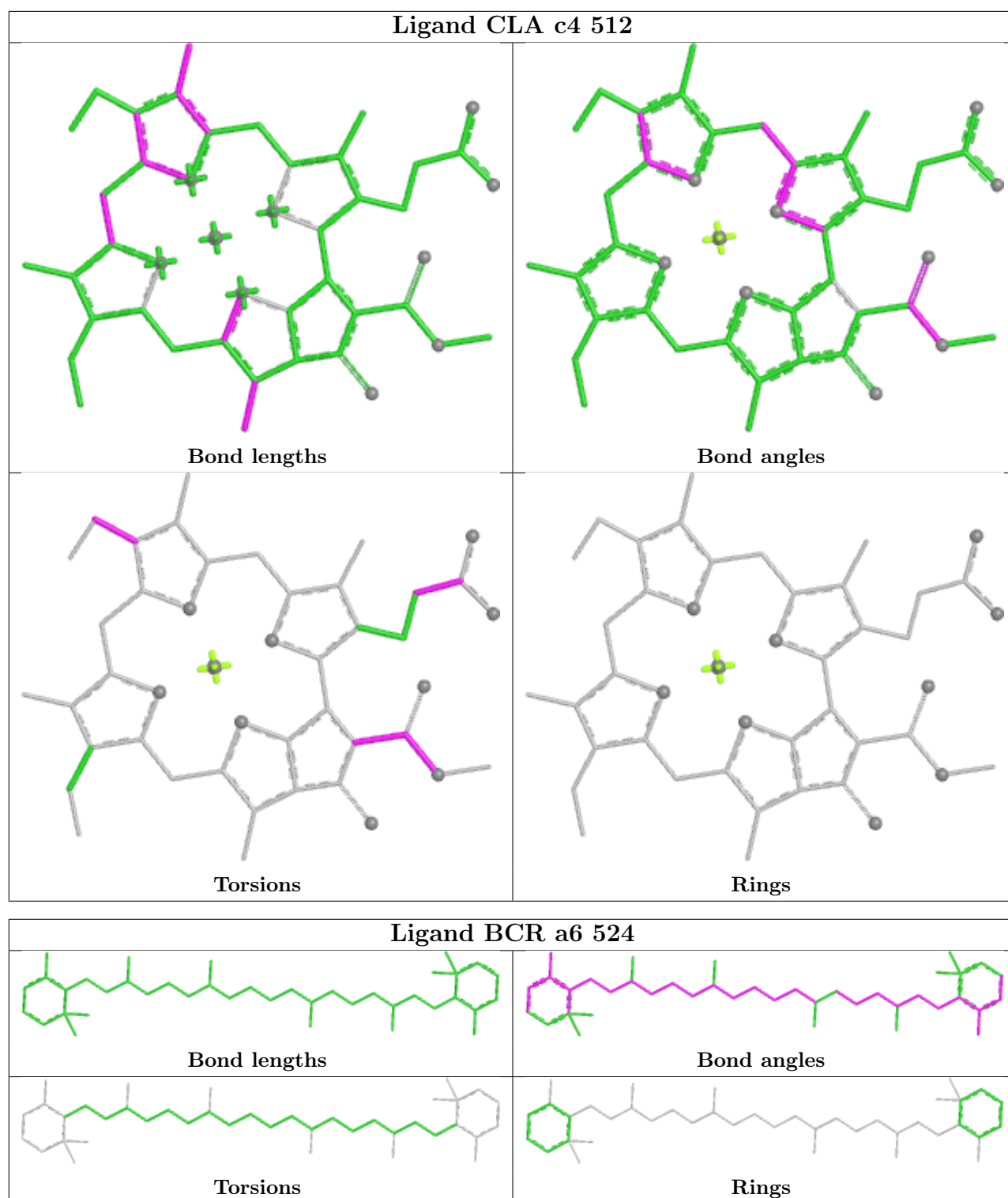
Bond angles

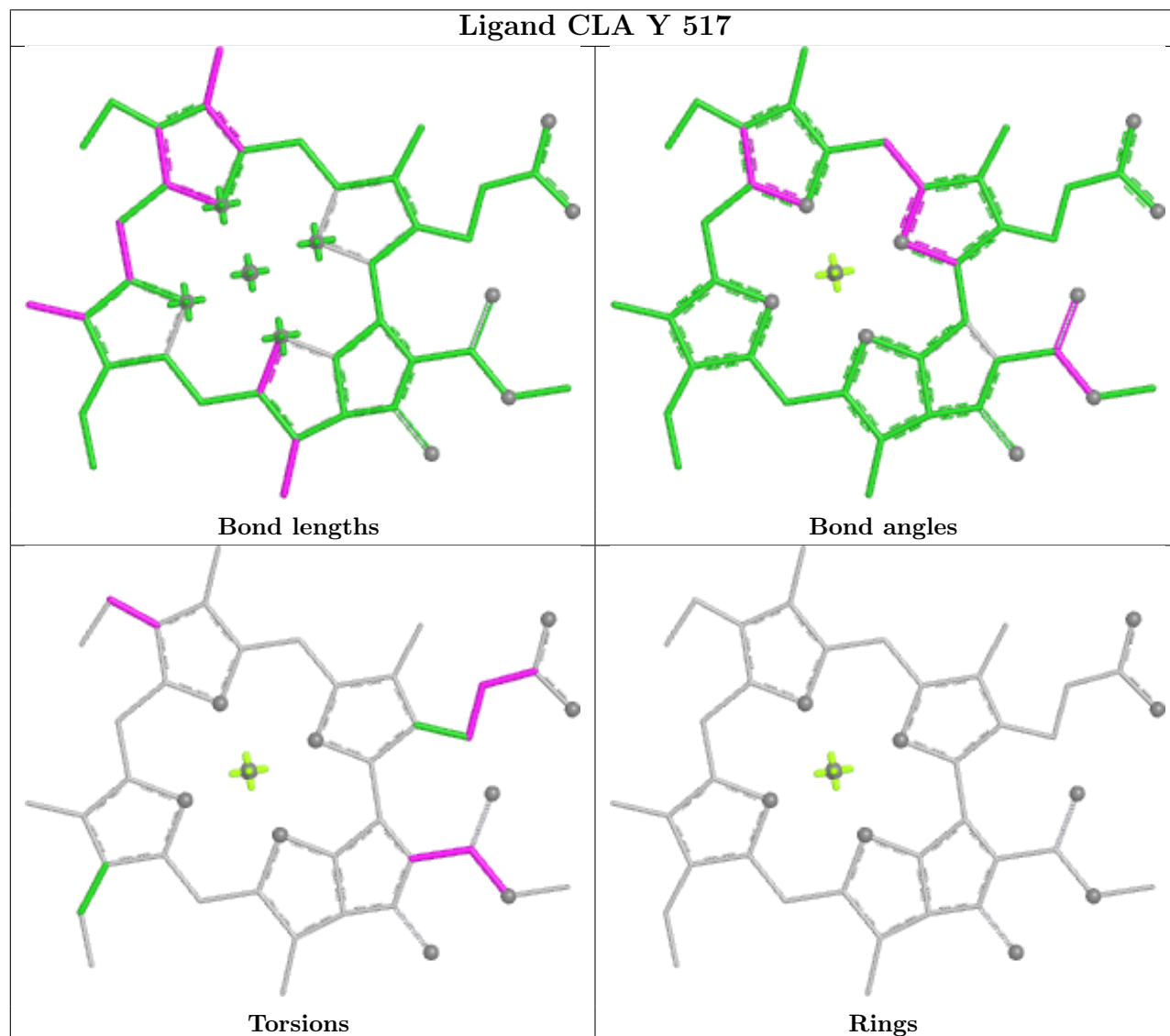
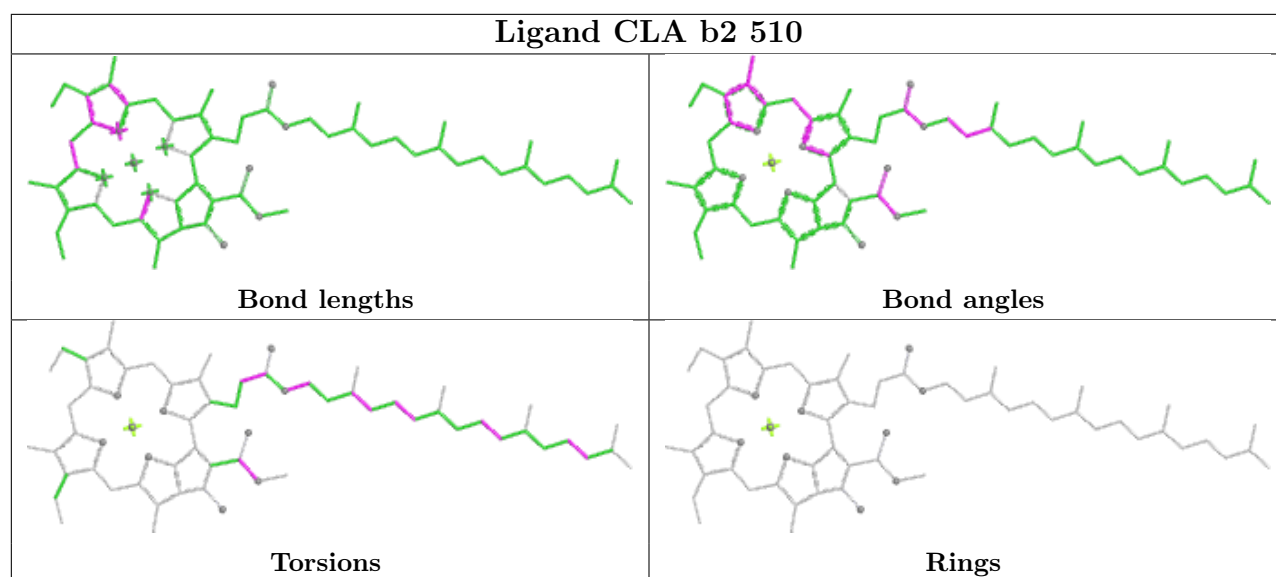


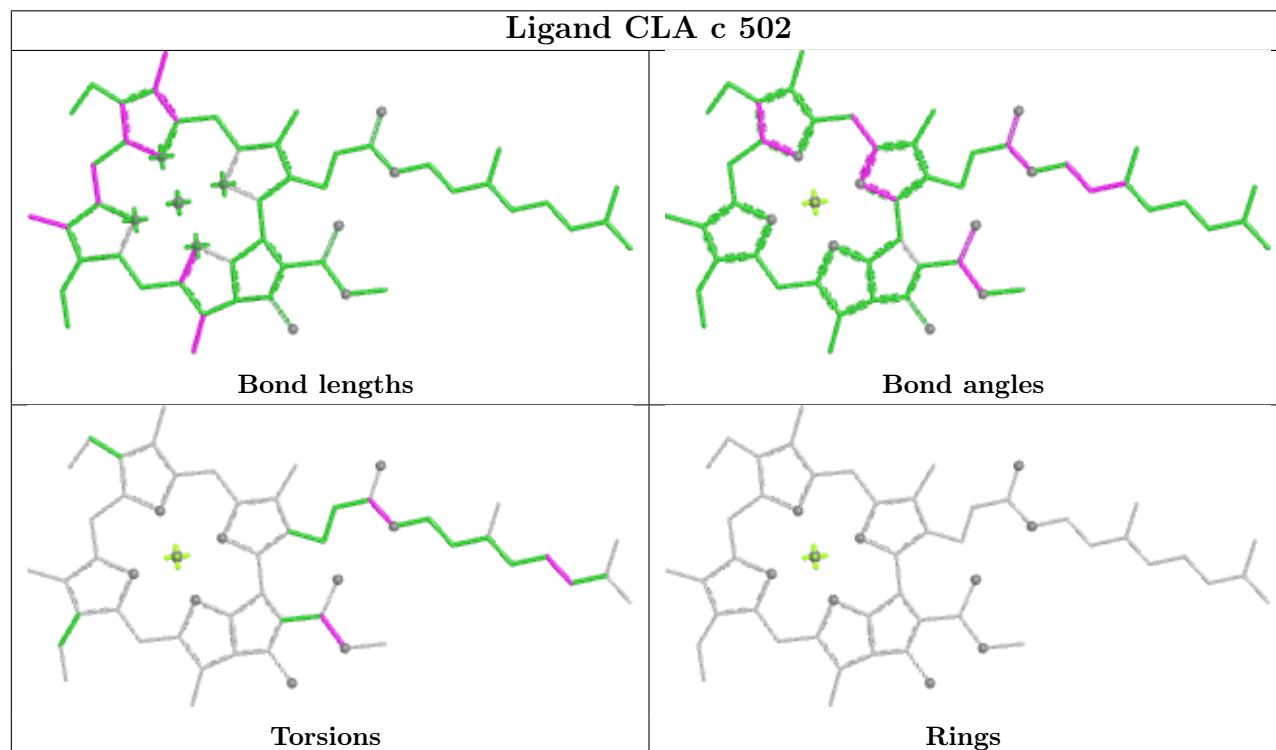
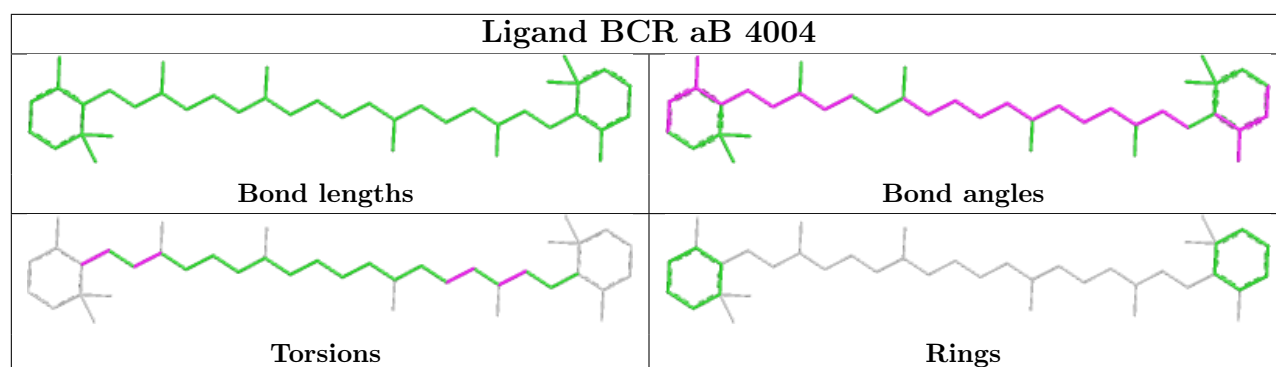
Torsions

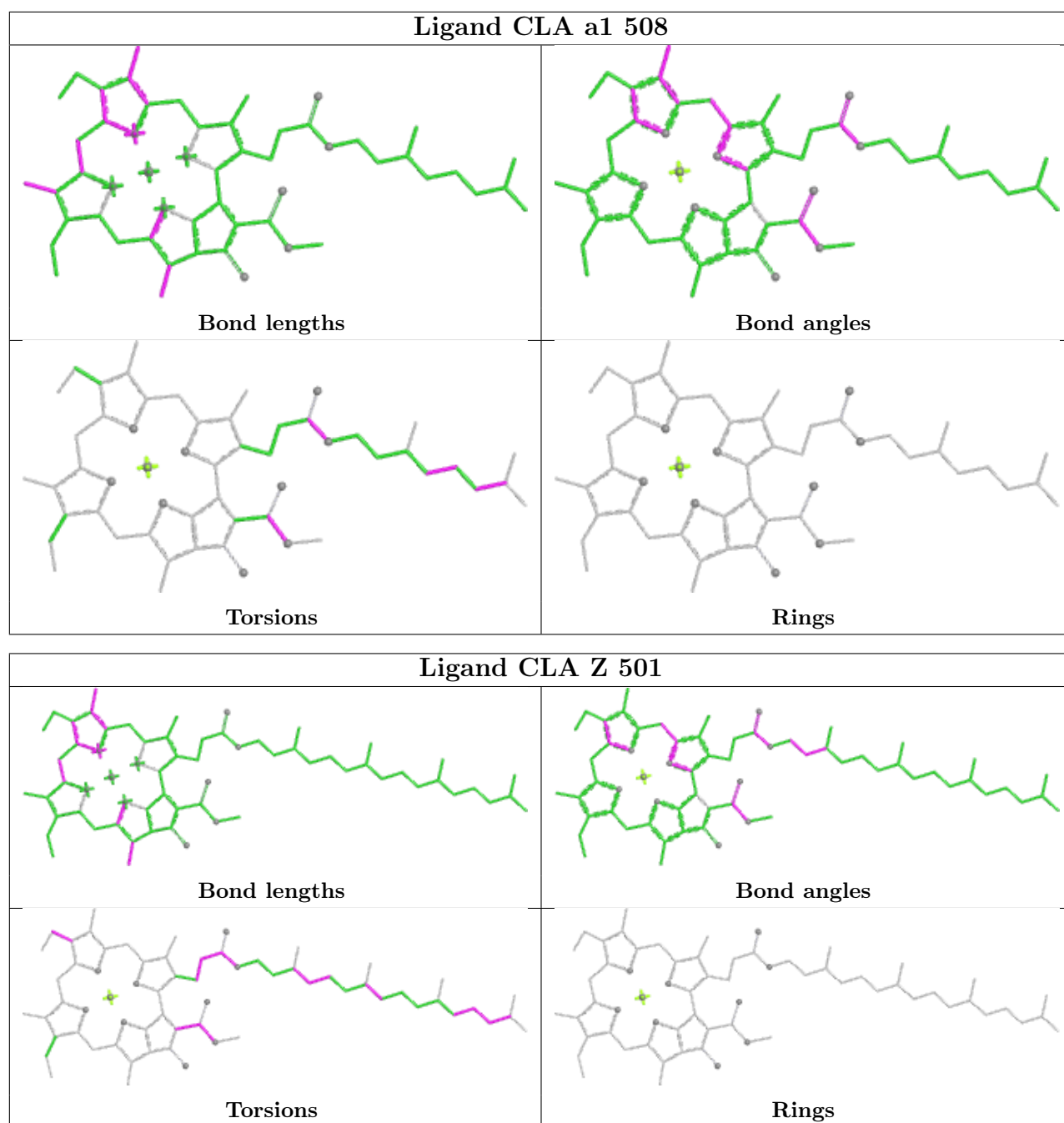


Rings

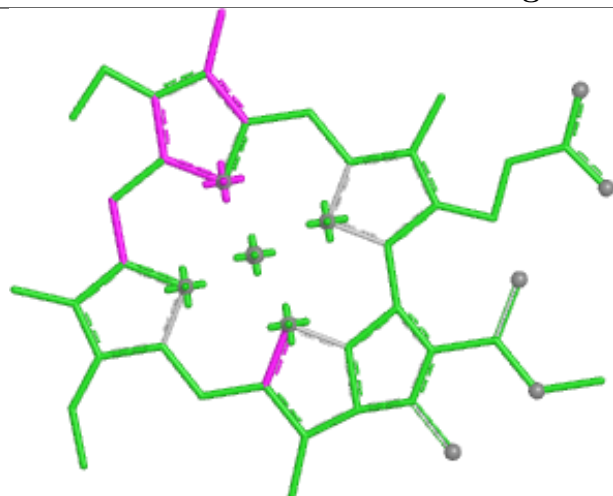








Ligand CLA i 501



Bond lengths



Bond angles

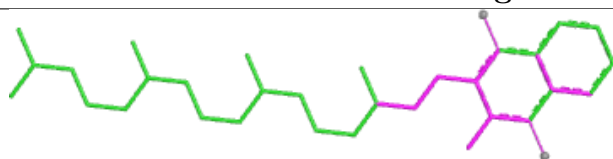


Torsions

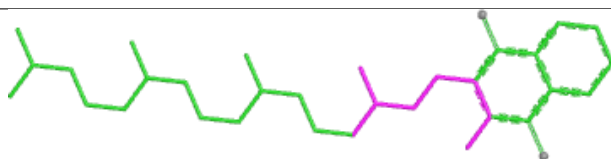


Rings

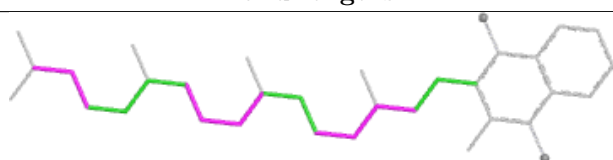
Ligand PQN aB 2002



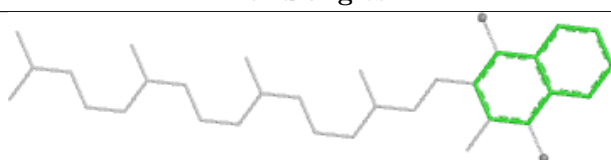
Bond lengths



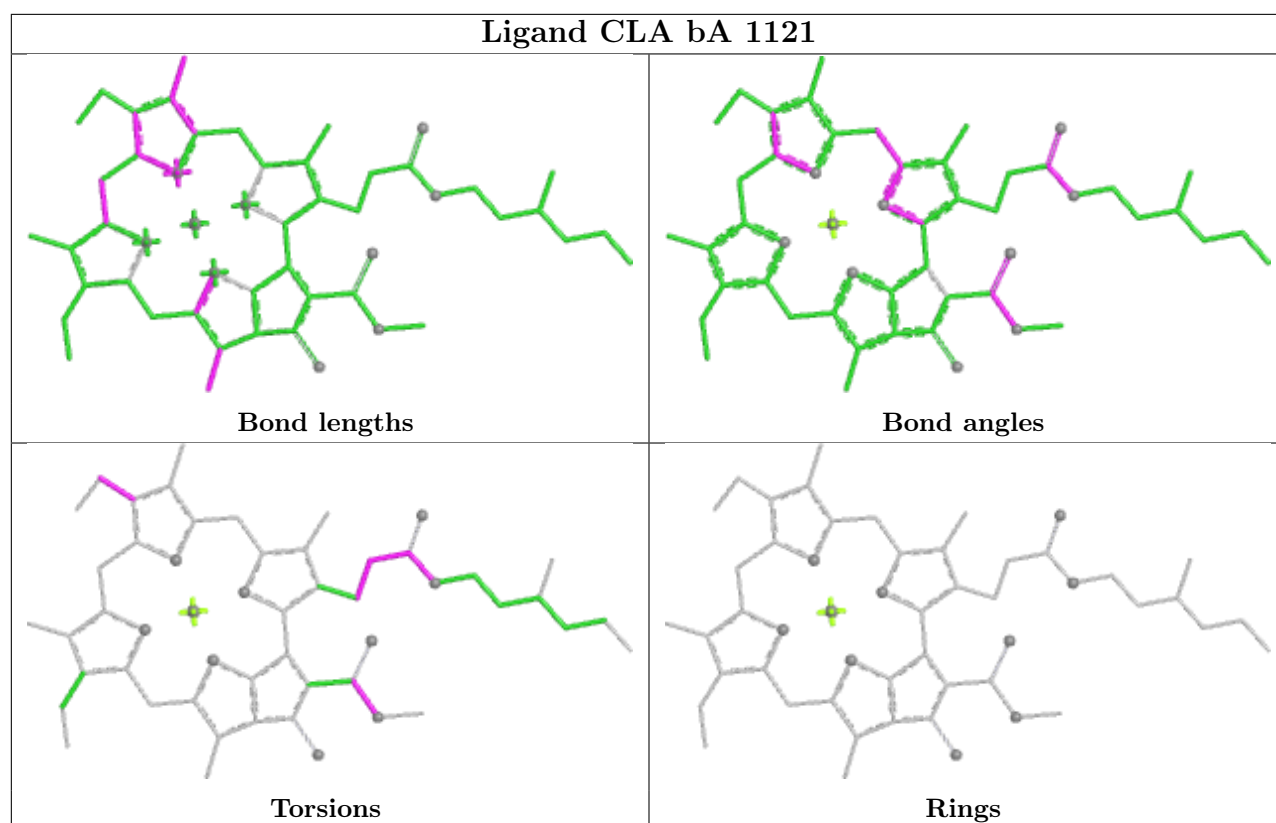
Bond angles



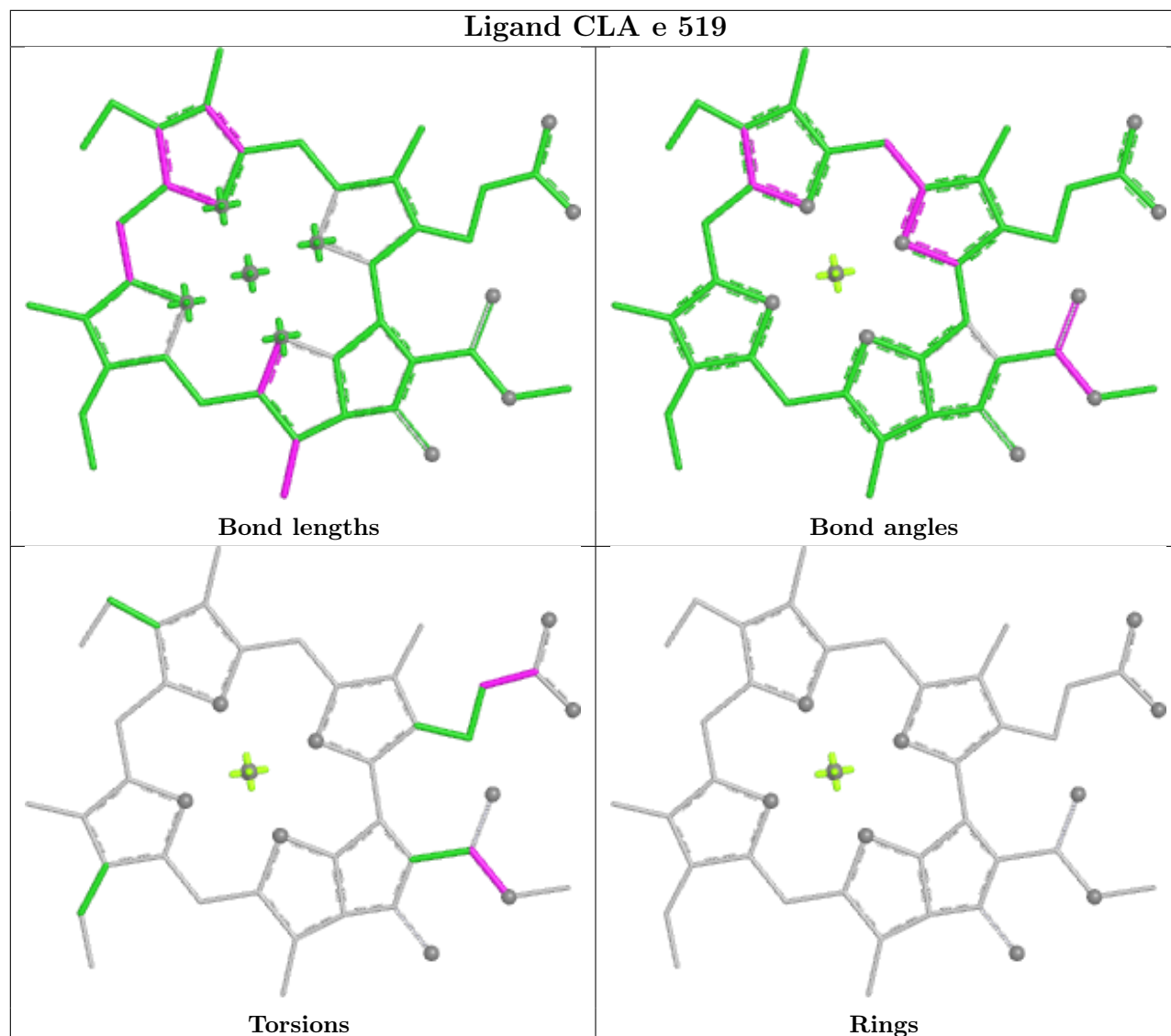
Torsions



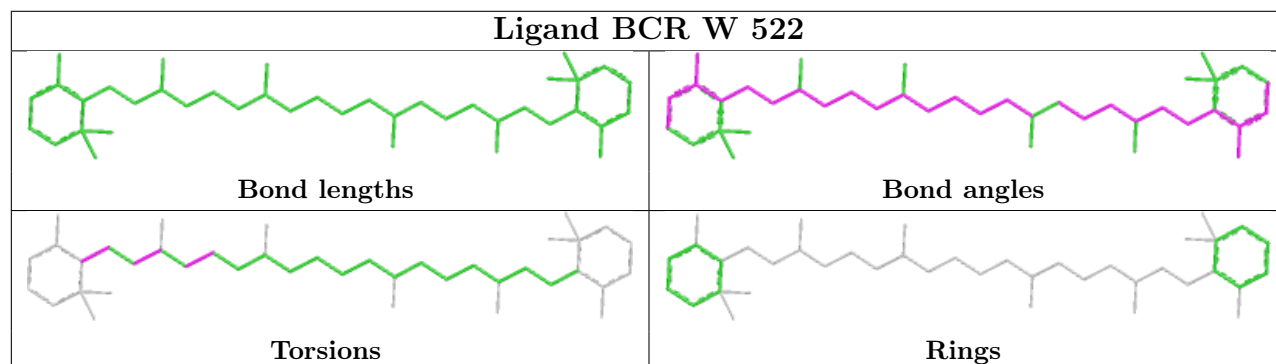
Rings

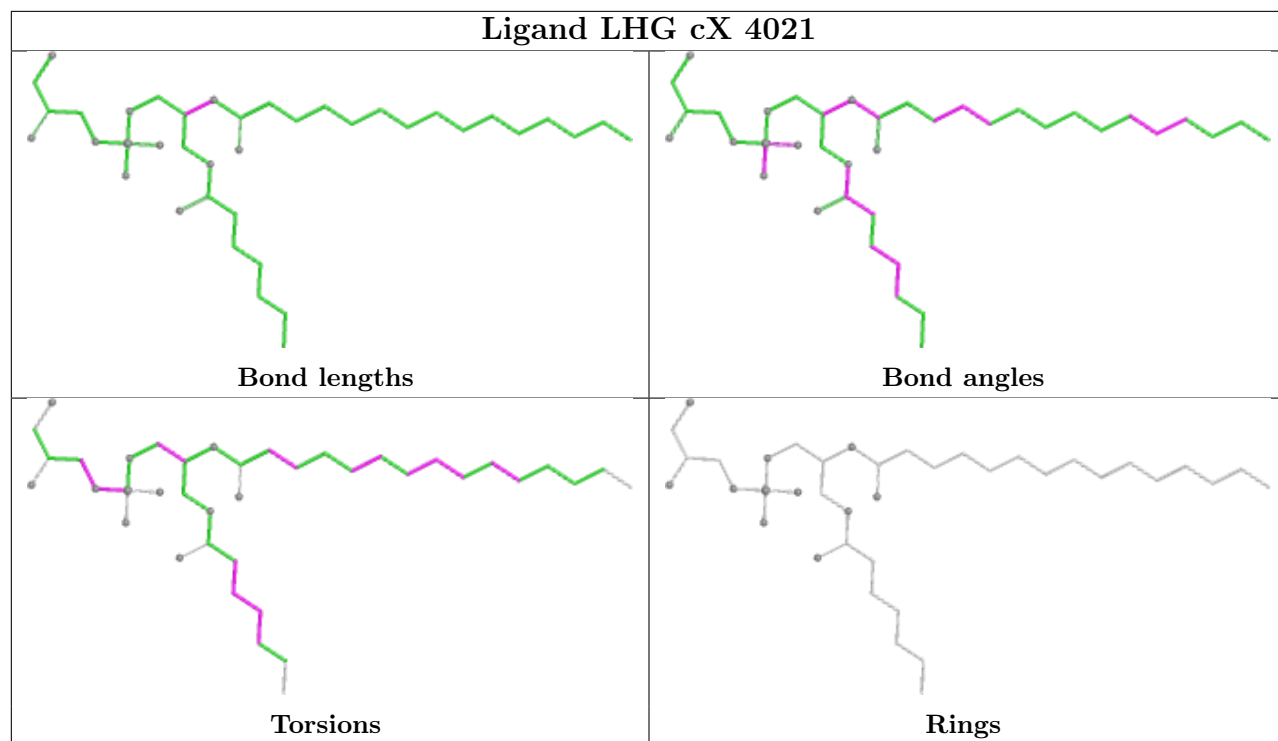


Ligand CLA e 519

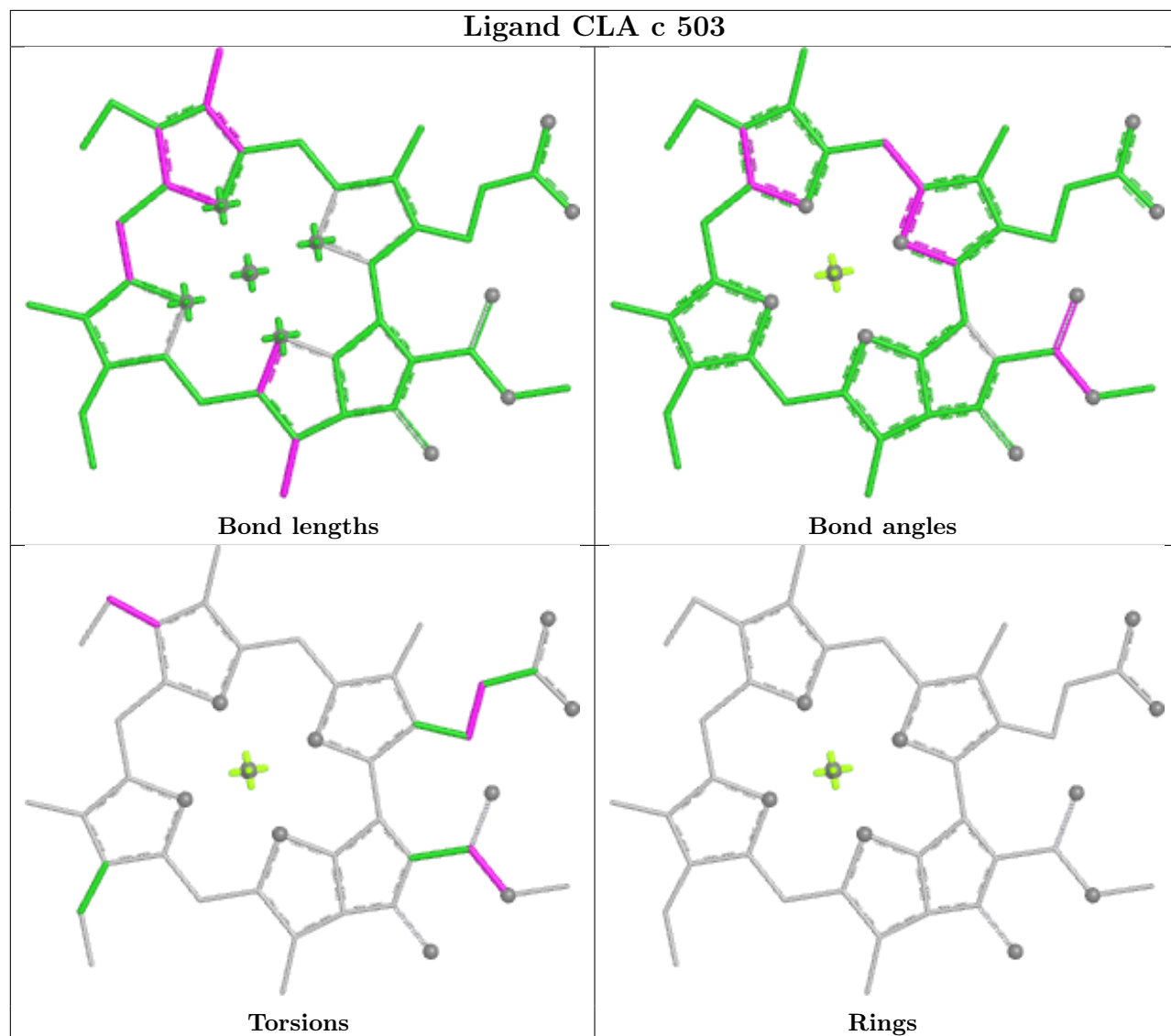


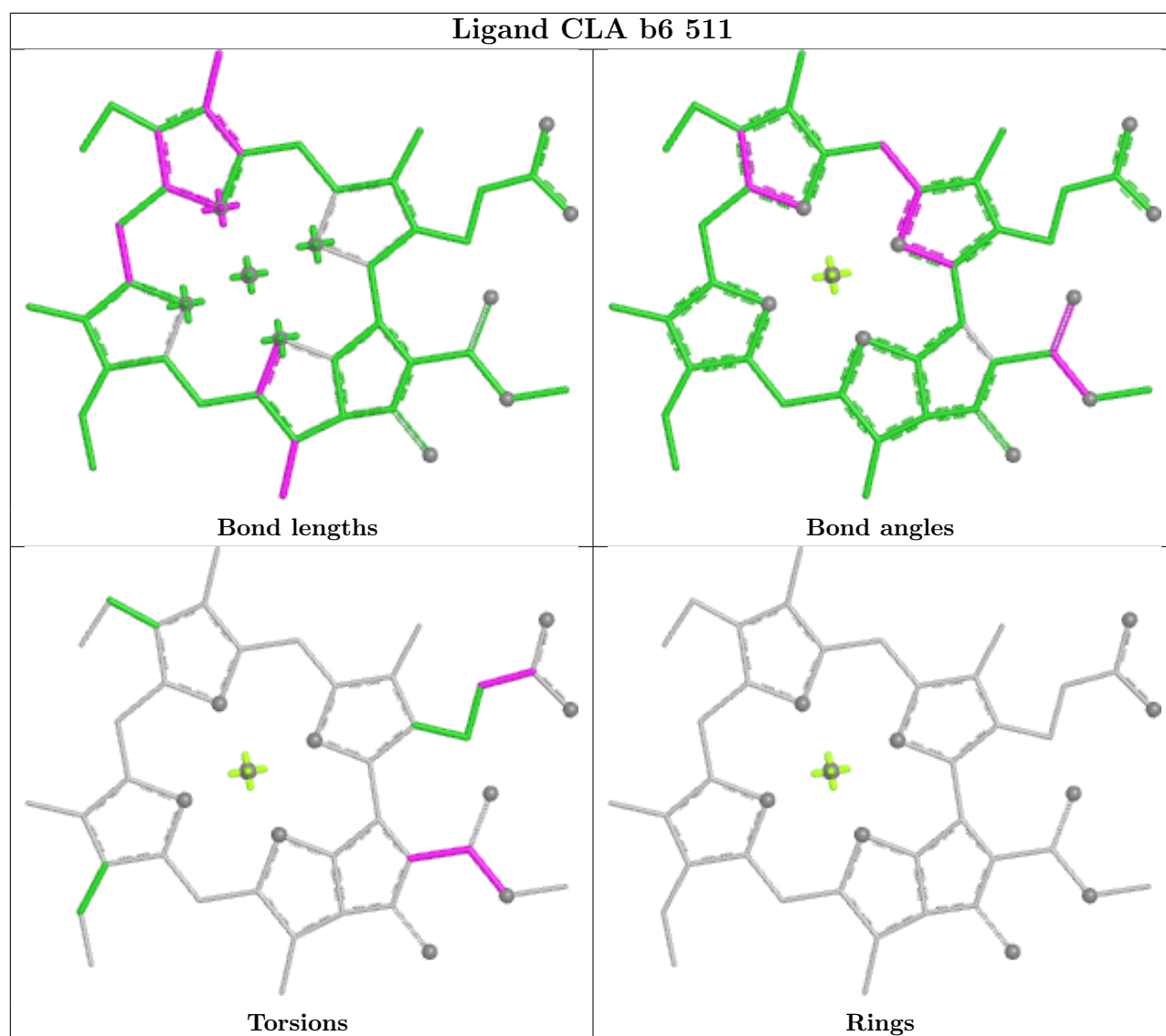
Ligand BCR W 522

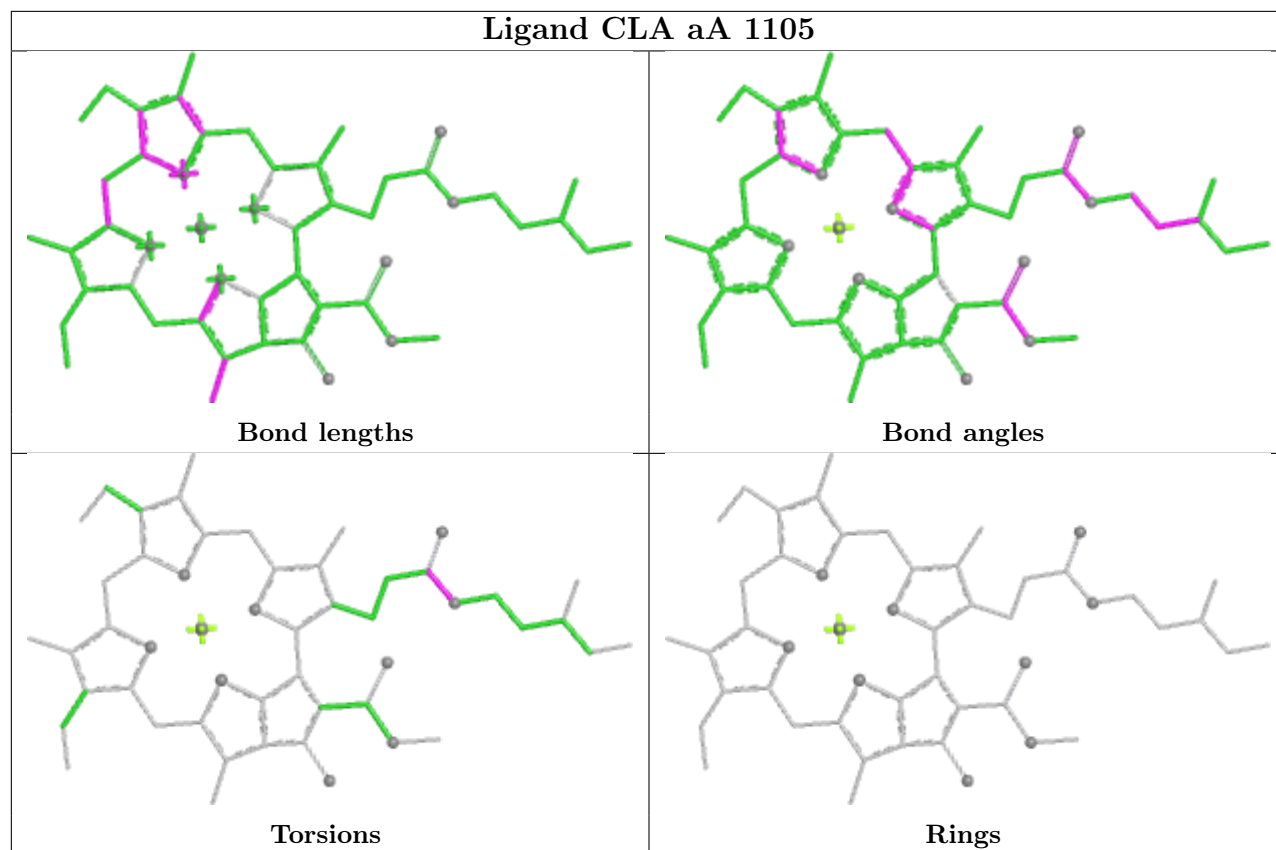




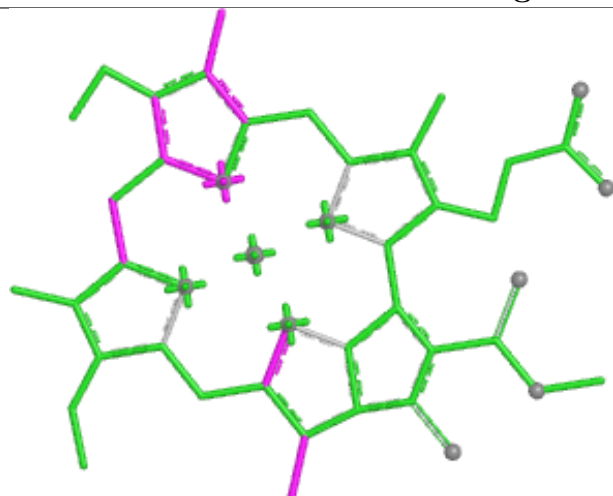
Ligand CLA c 503







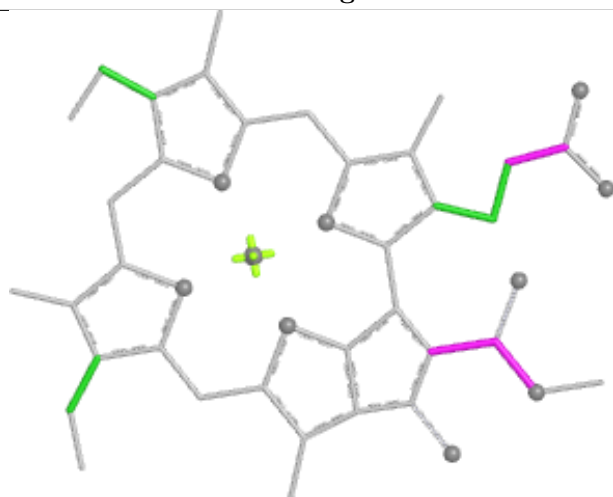
Ligand CLA Y 511



Bond lengths



Bond angles

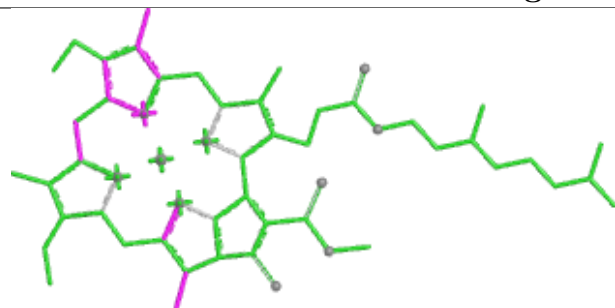


Torsions

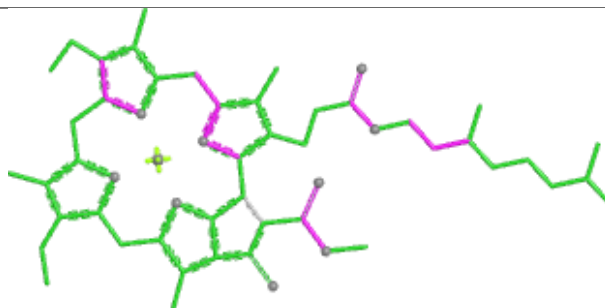


Rings

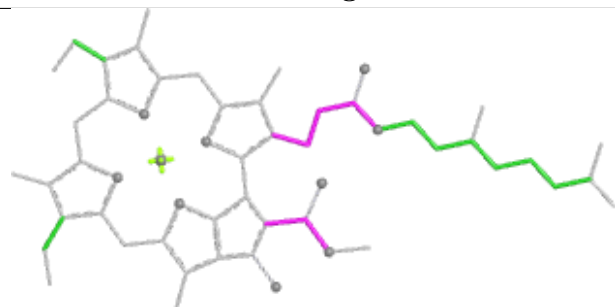
Ligand CLA i 518



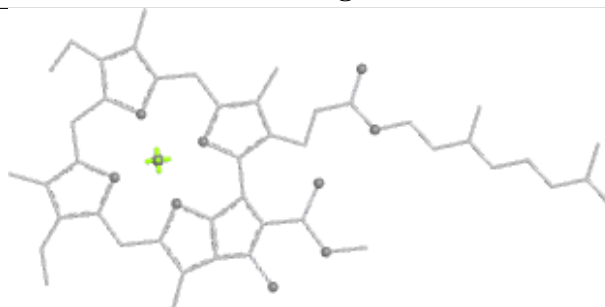
Bond lengths



Bond angles

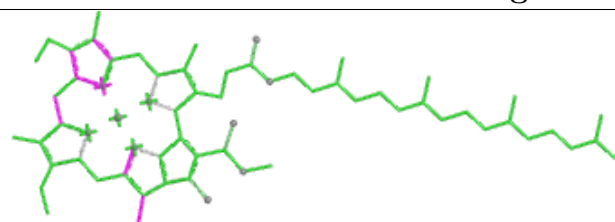


Torsions

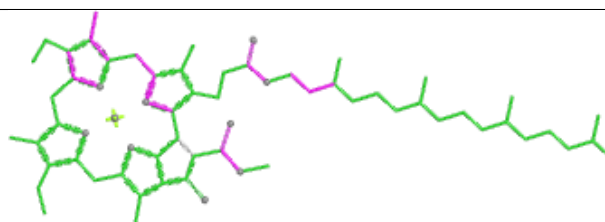


Rings

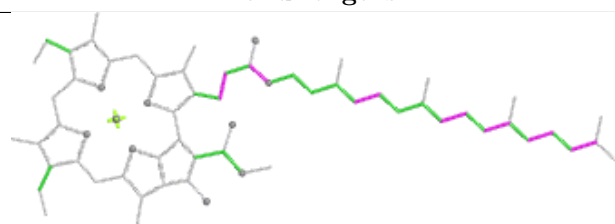
Ligand CLA b5 505



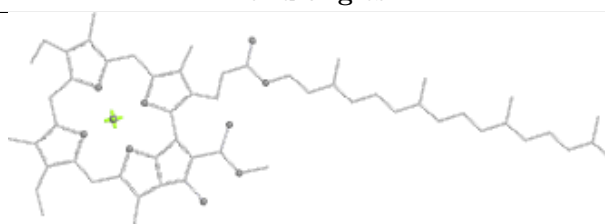
Bond lengths



Bond angles

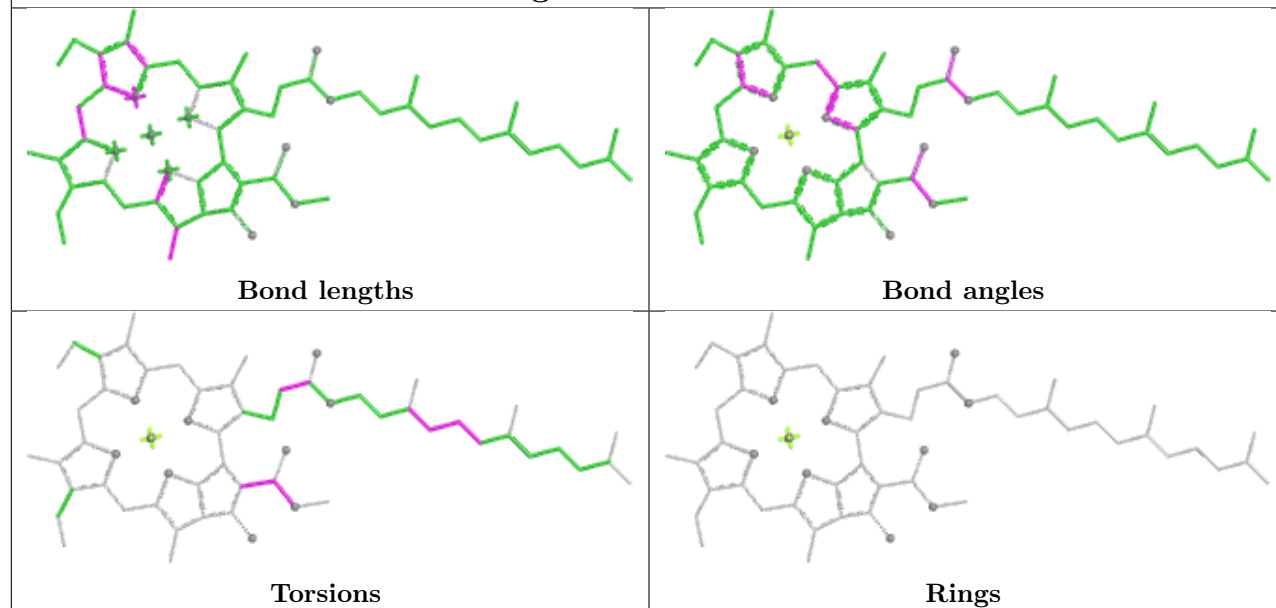


Torsions

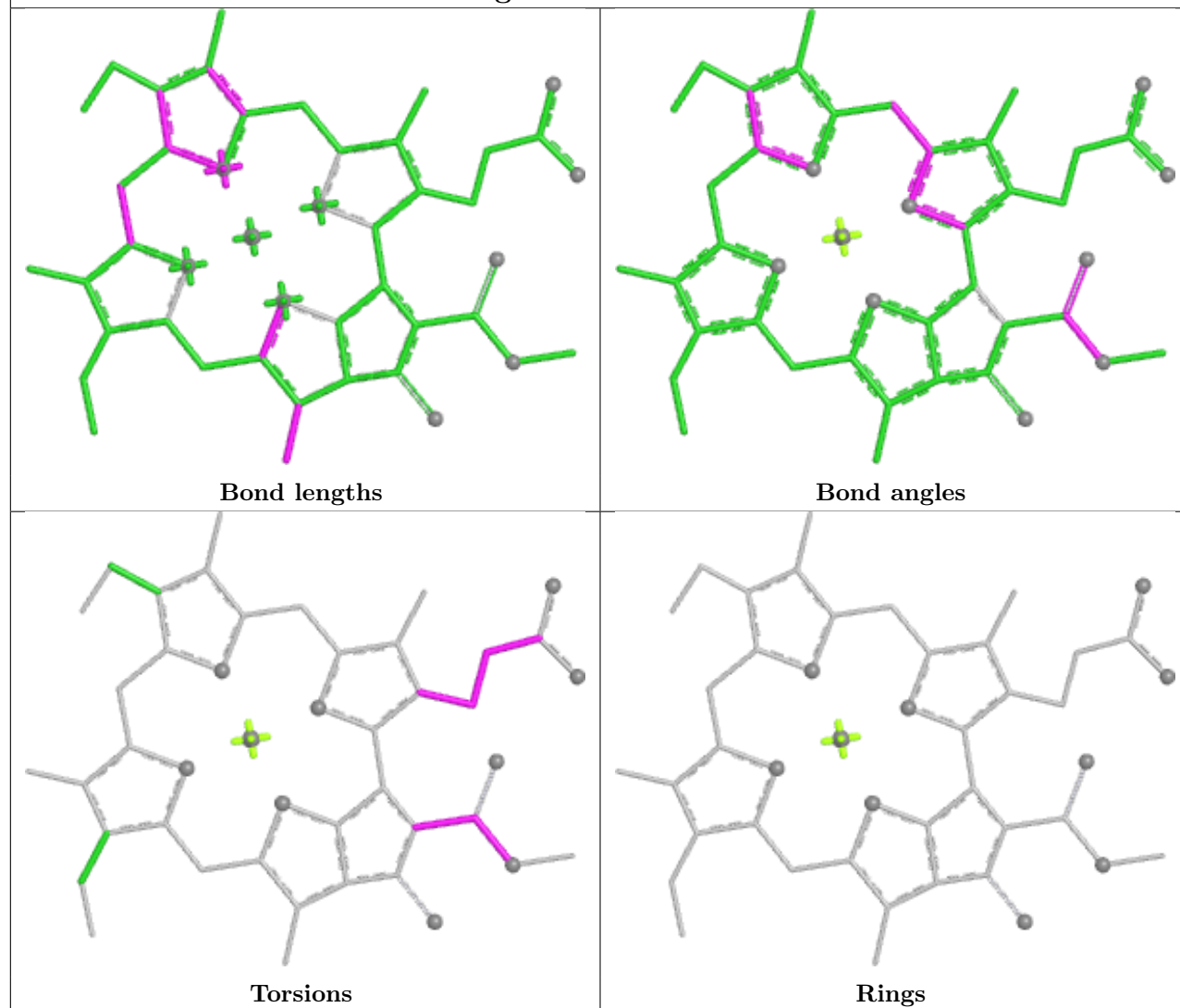


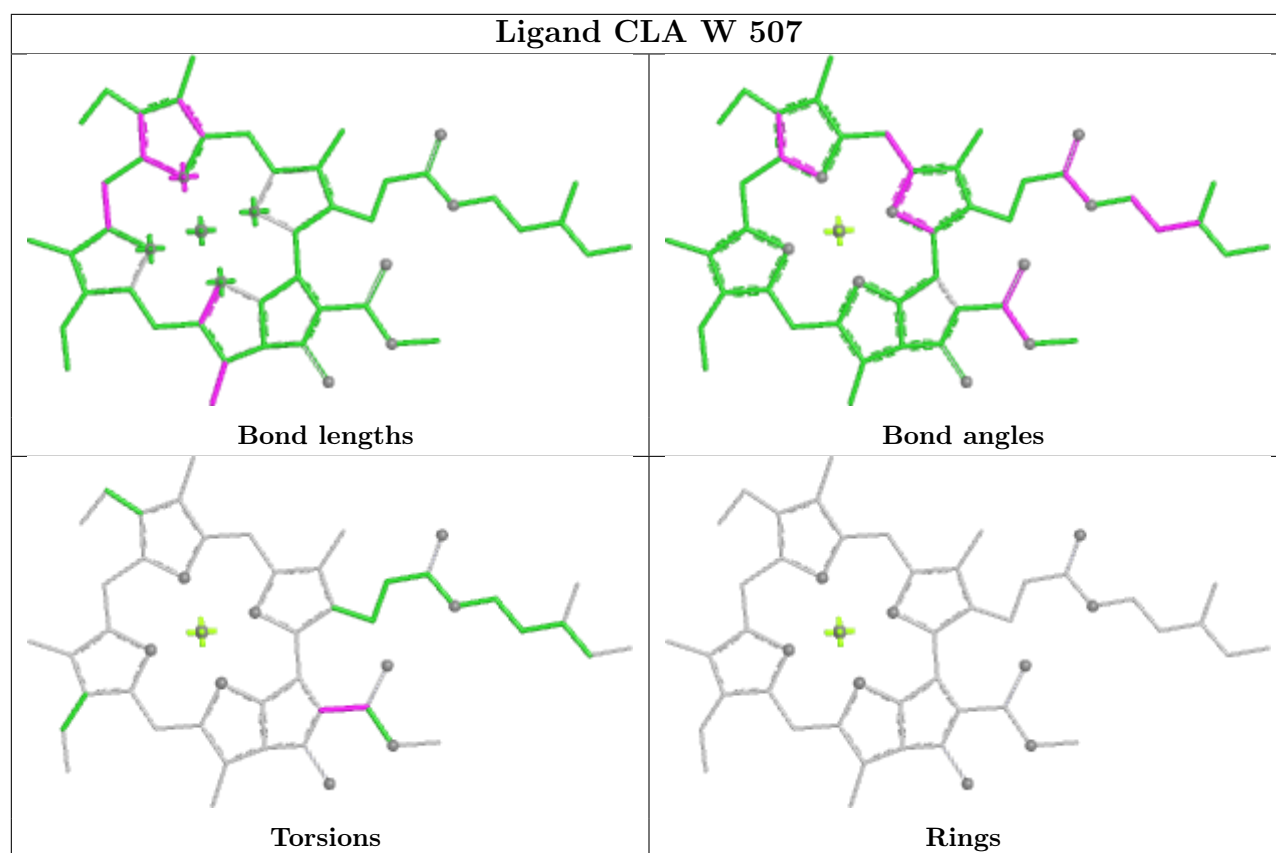
Rings

Ligand CLA V 510

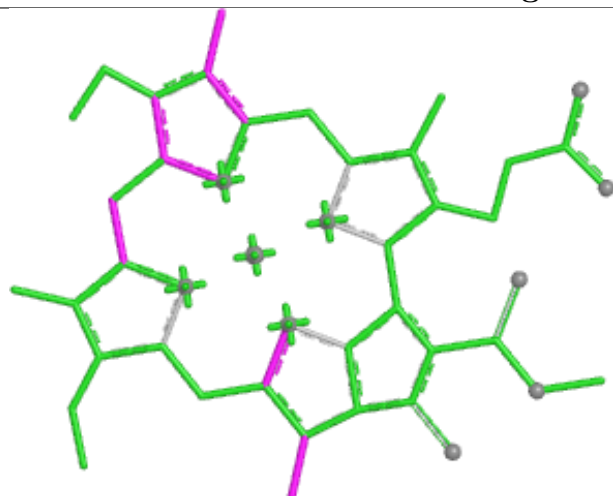


Ligand CLA n 501

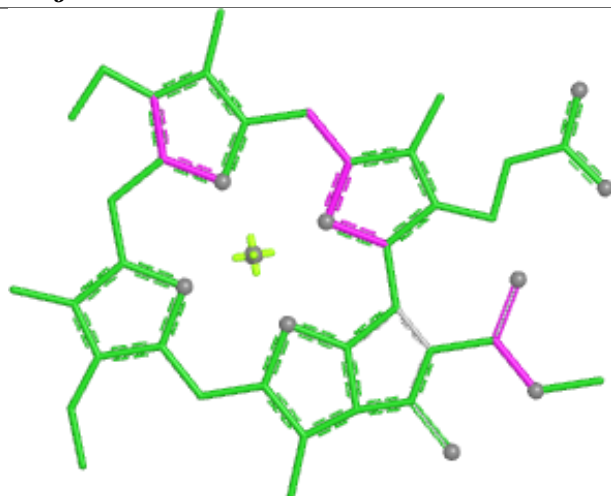




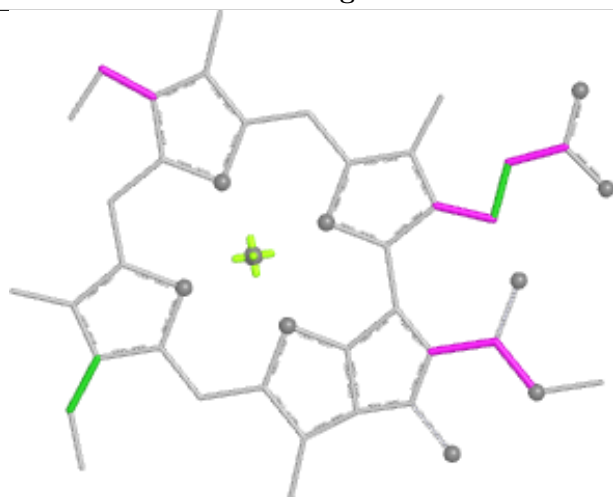
Ligand CLA j 501



Bond lengths



Bond angles

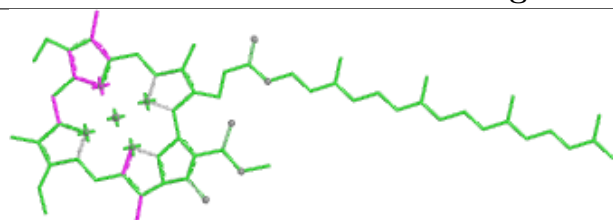


Torsions

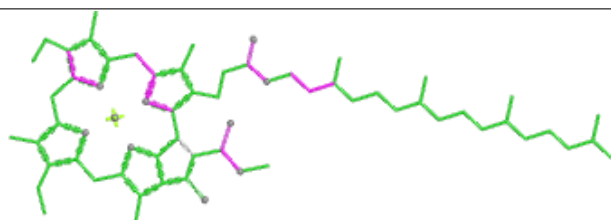


Rings

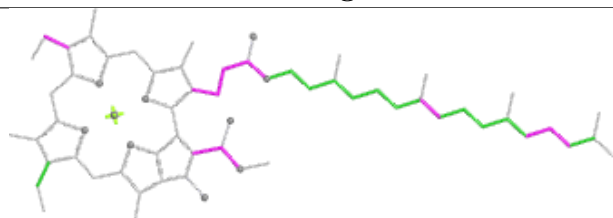
Ligand CLA a1 501



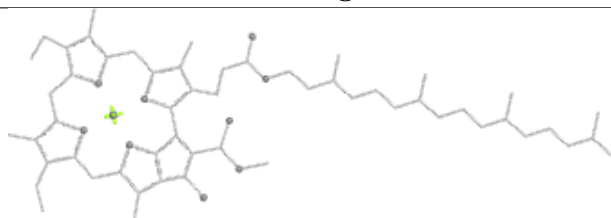
Bond lengths



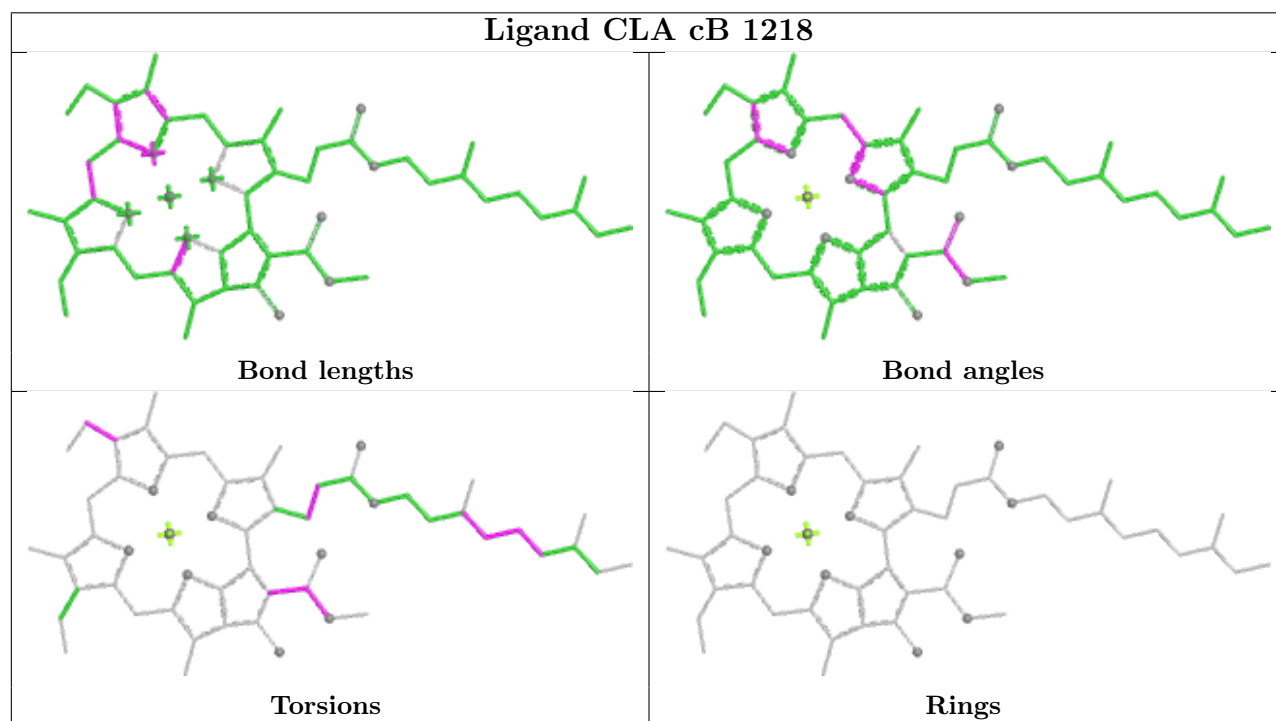
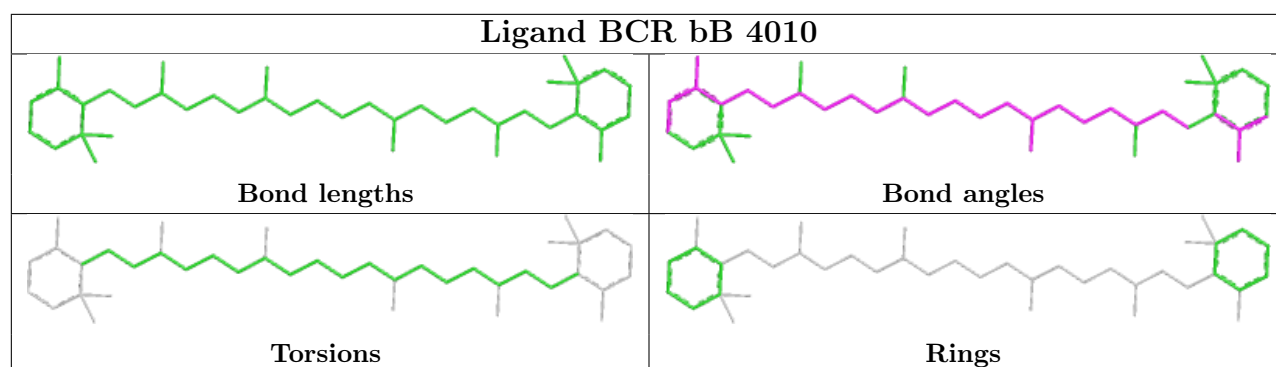
Bond angles

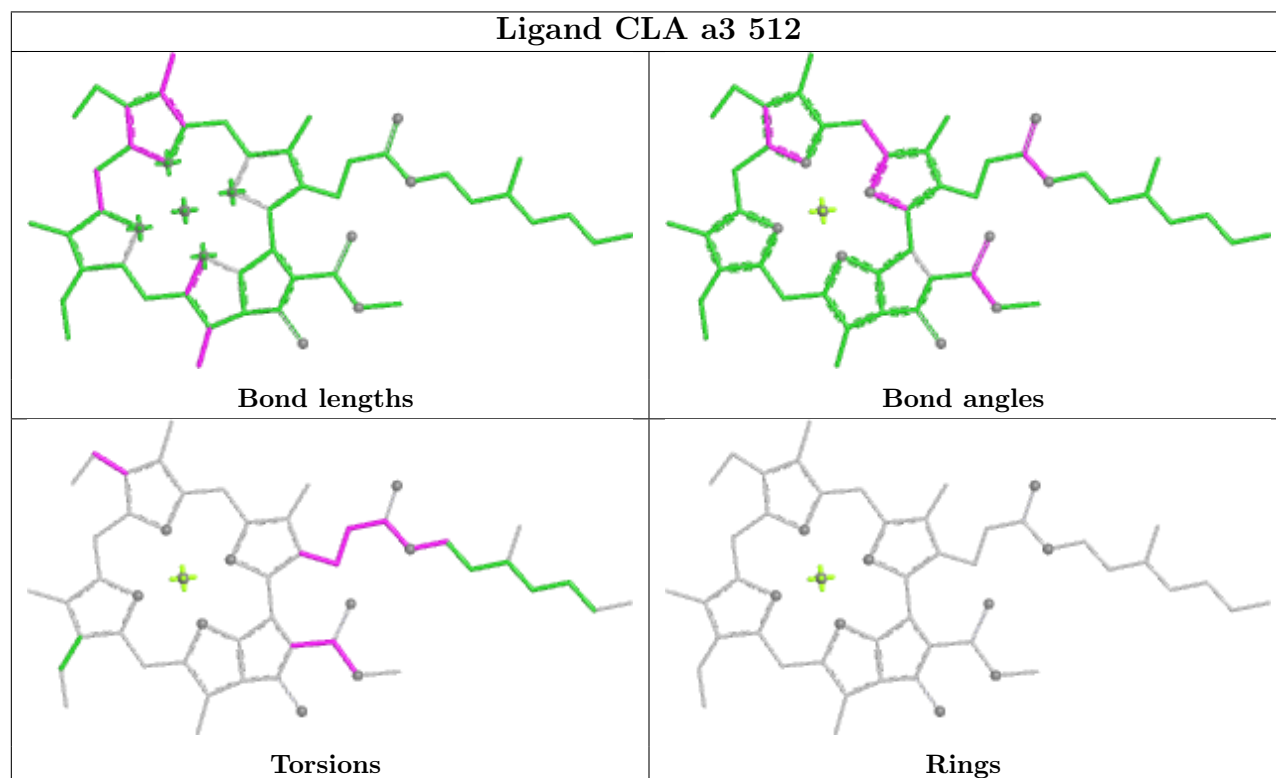
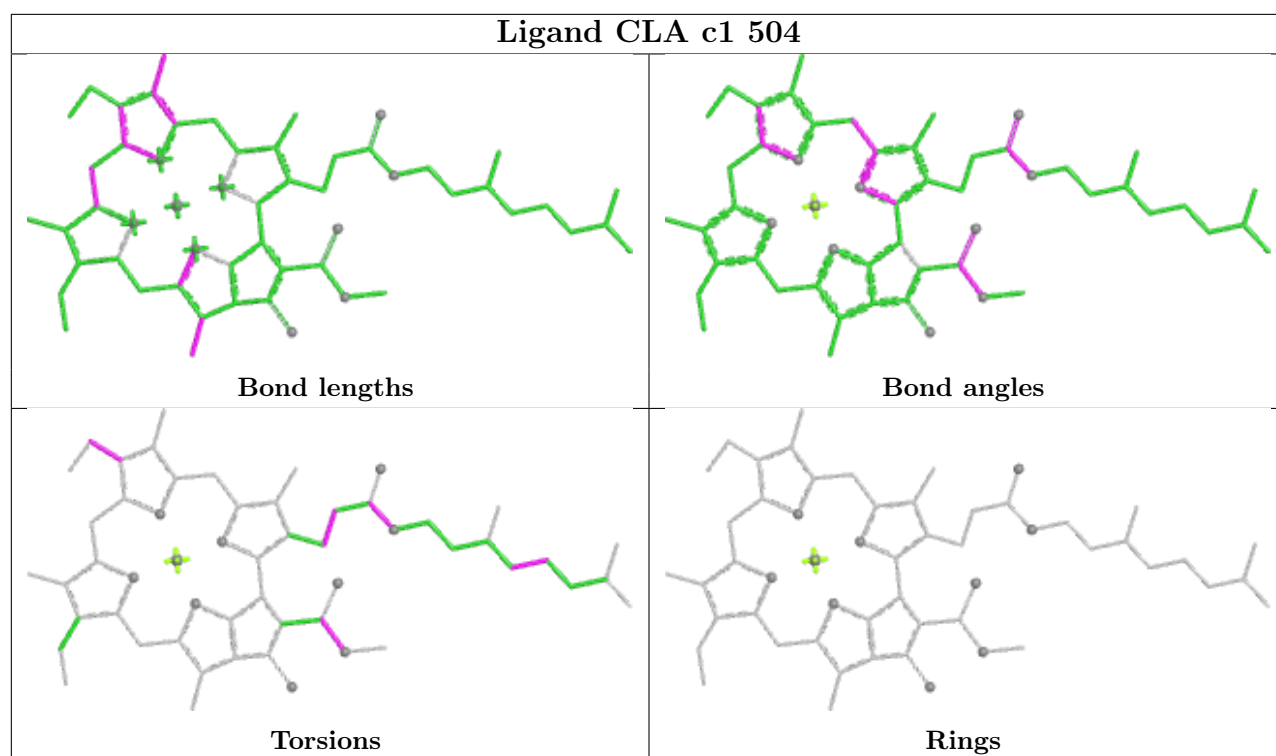


Torsions

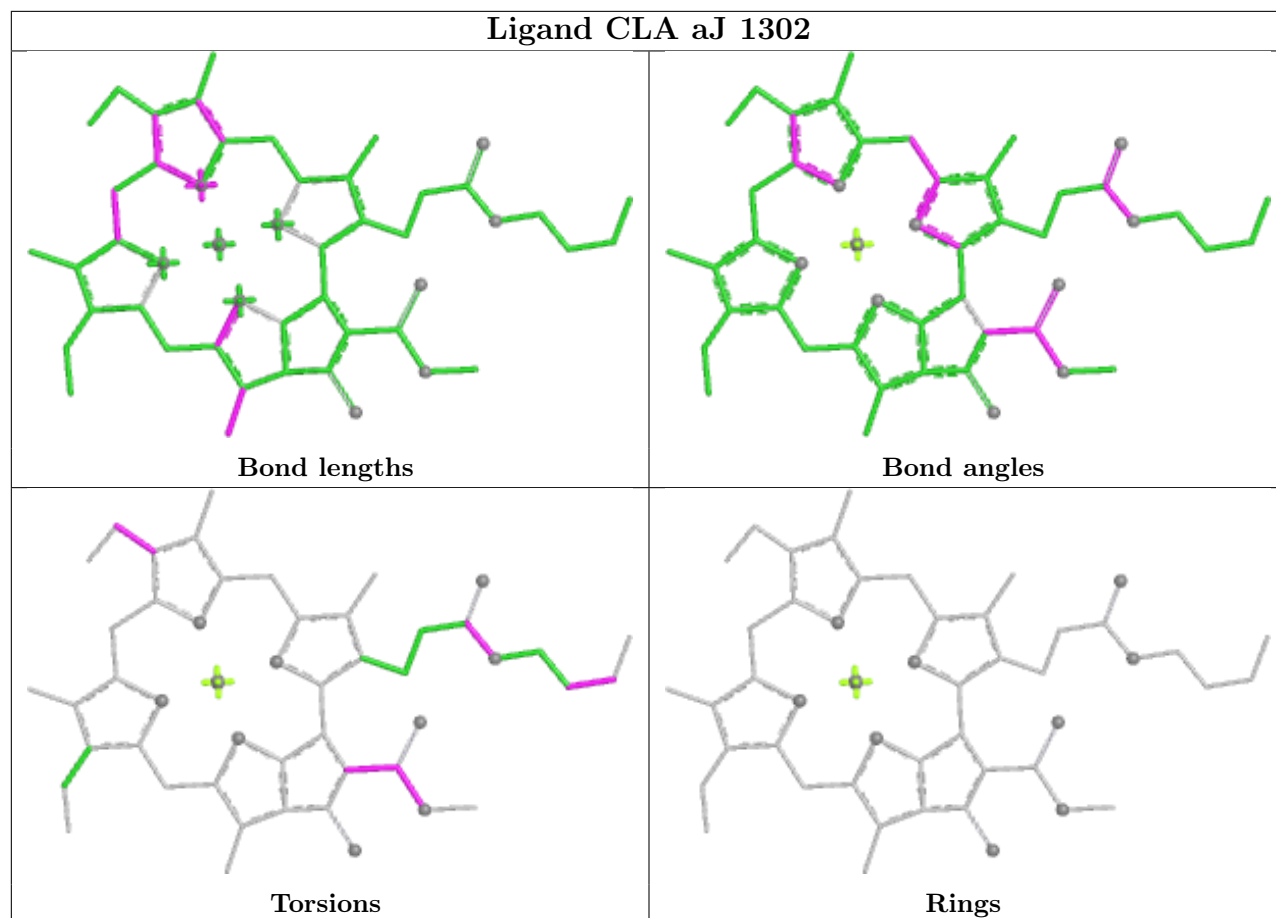


Rings

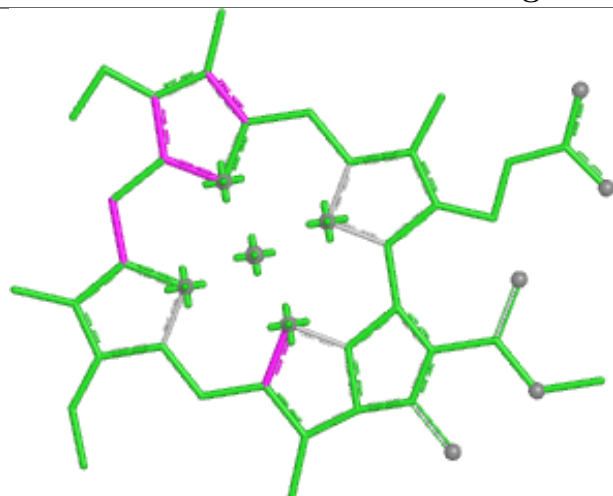




Ligand CLA aJ 1302



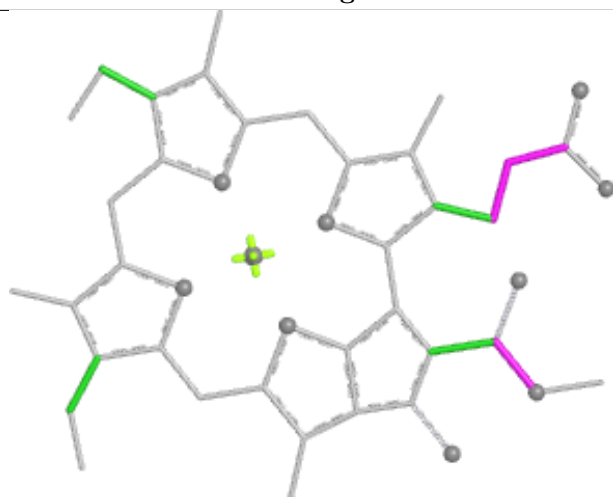
Ligand CLA 1 519



Bond lengths



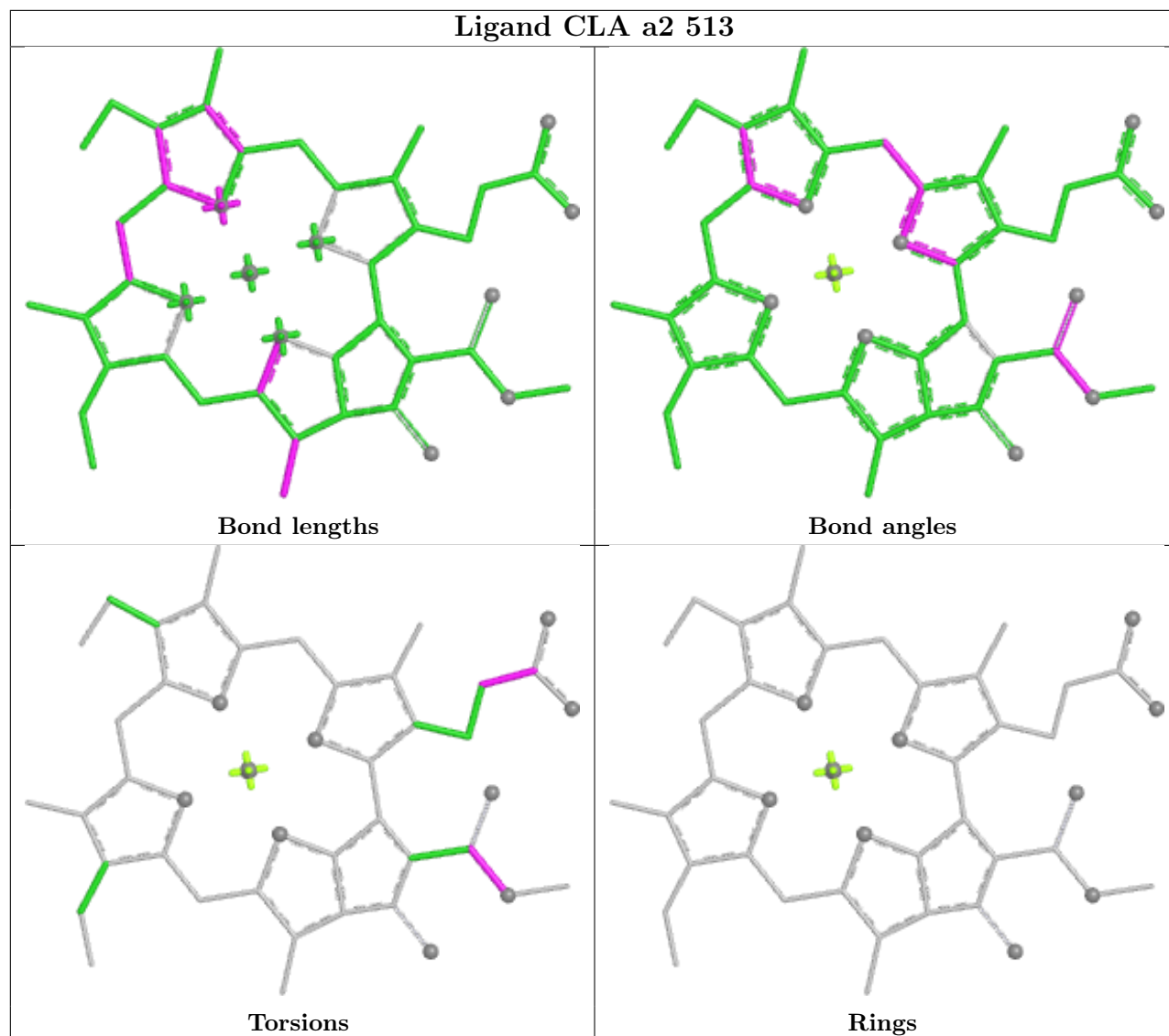
Bond angles

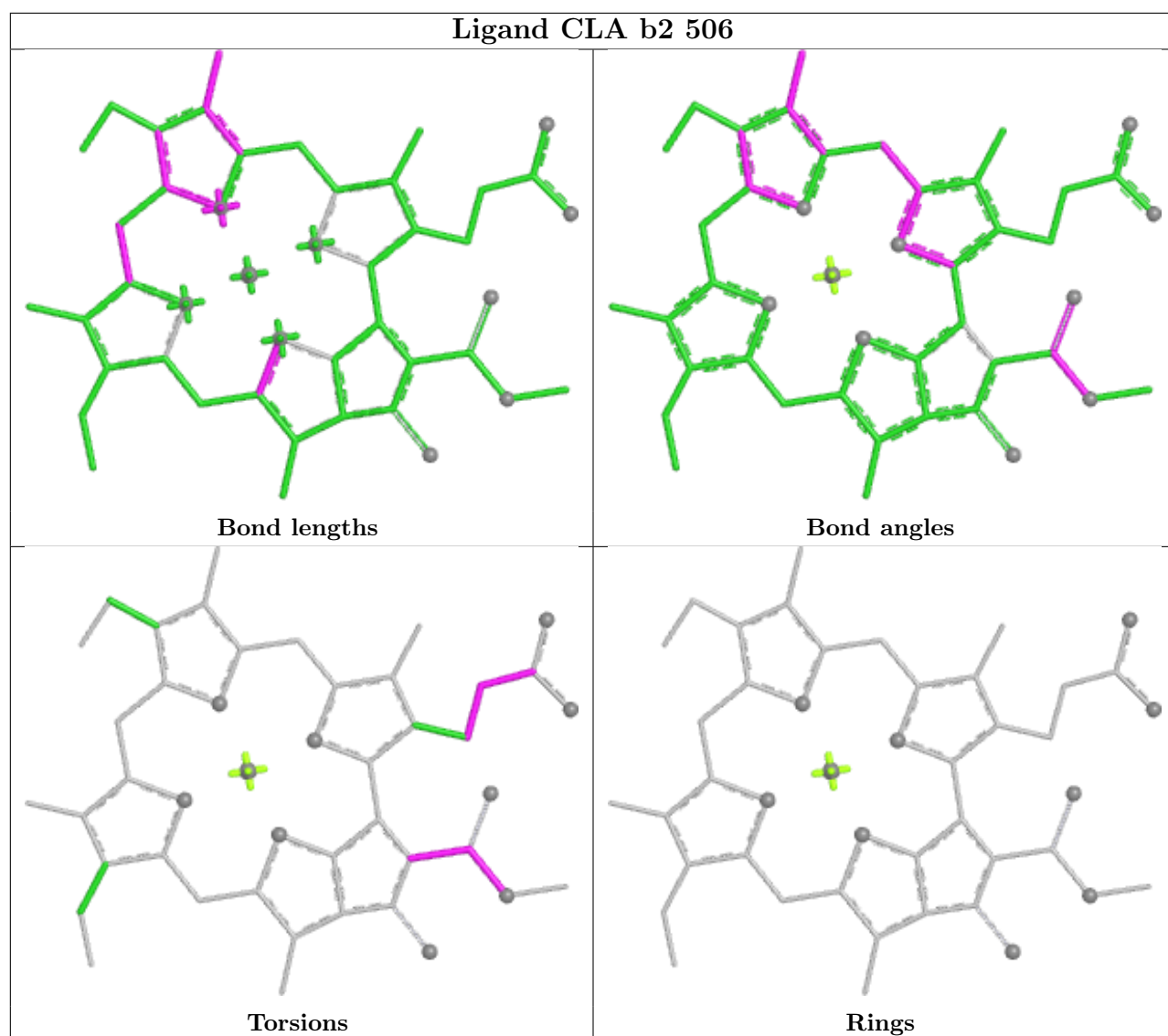


Torsions

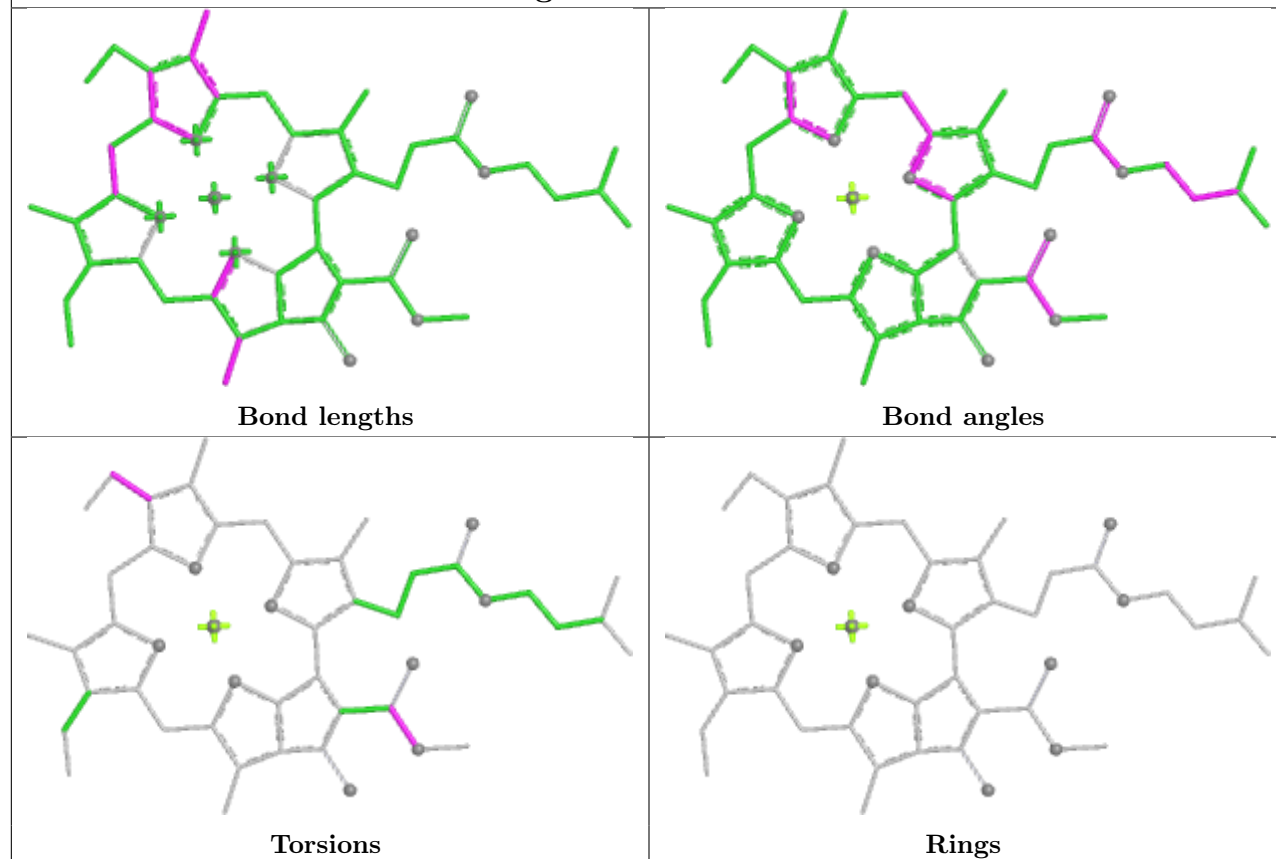


Rings

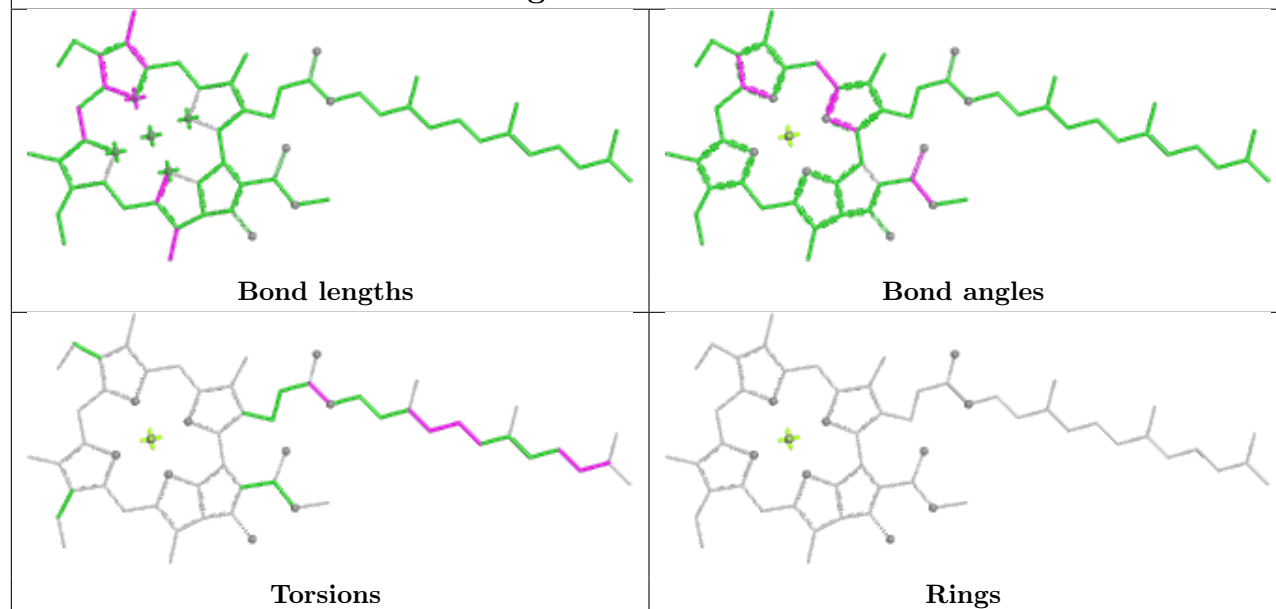


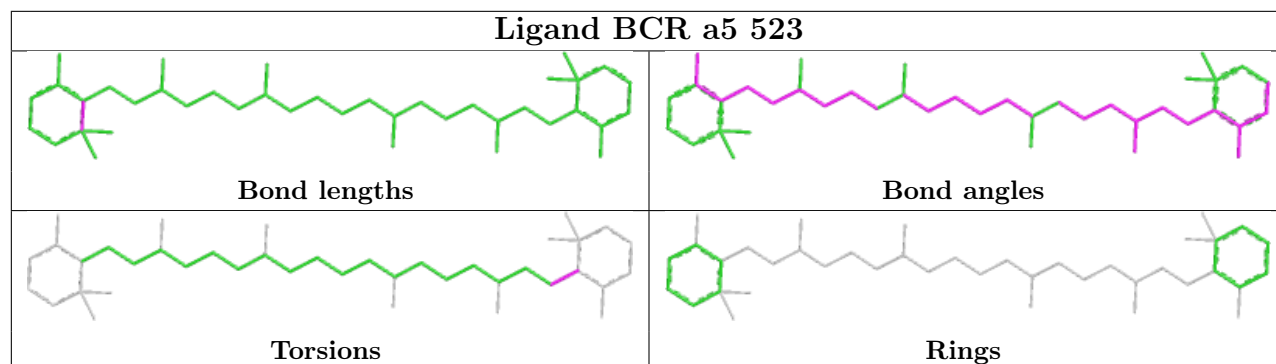
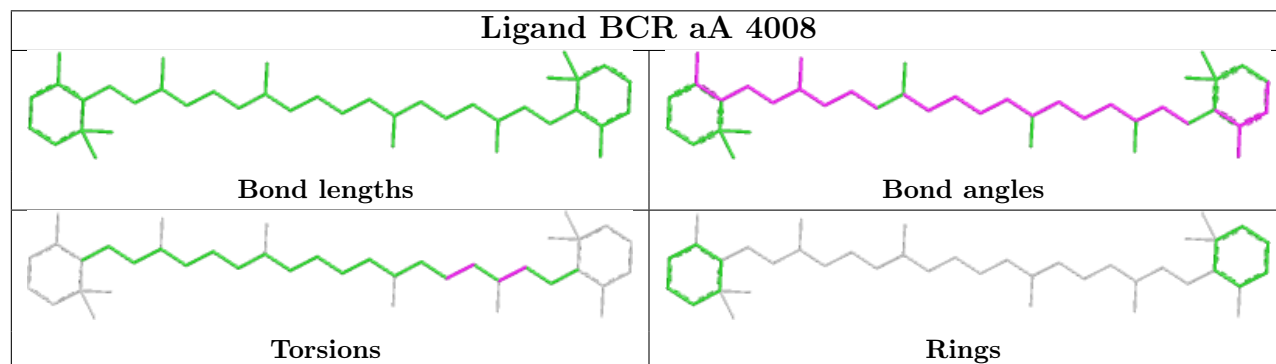
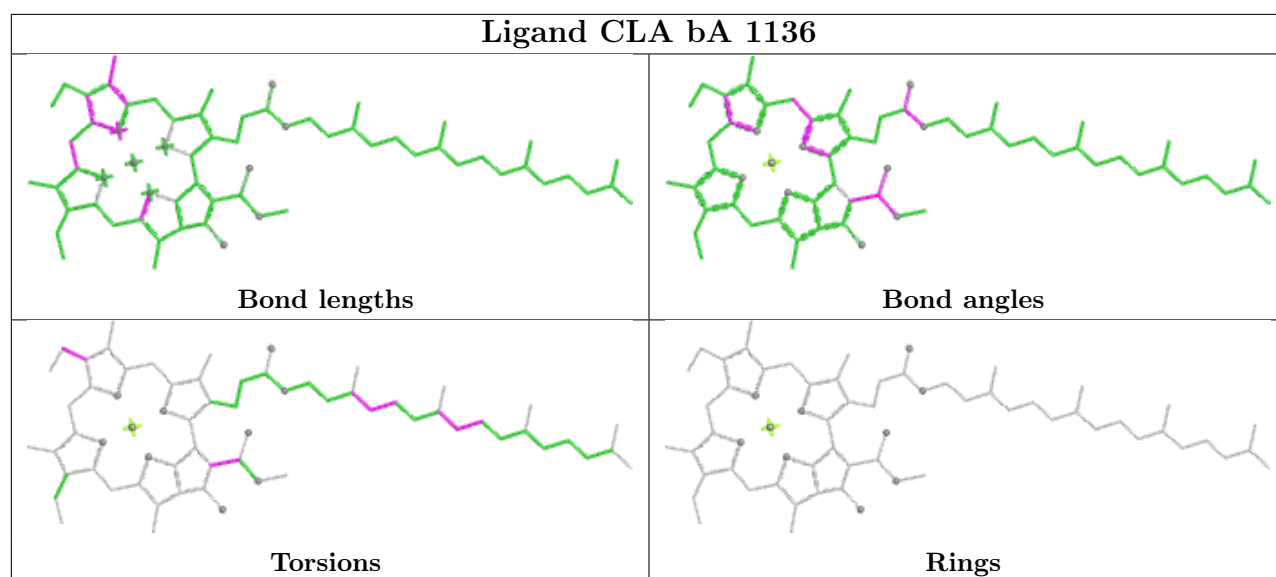


Ligand CLA d 503

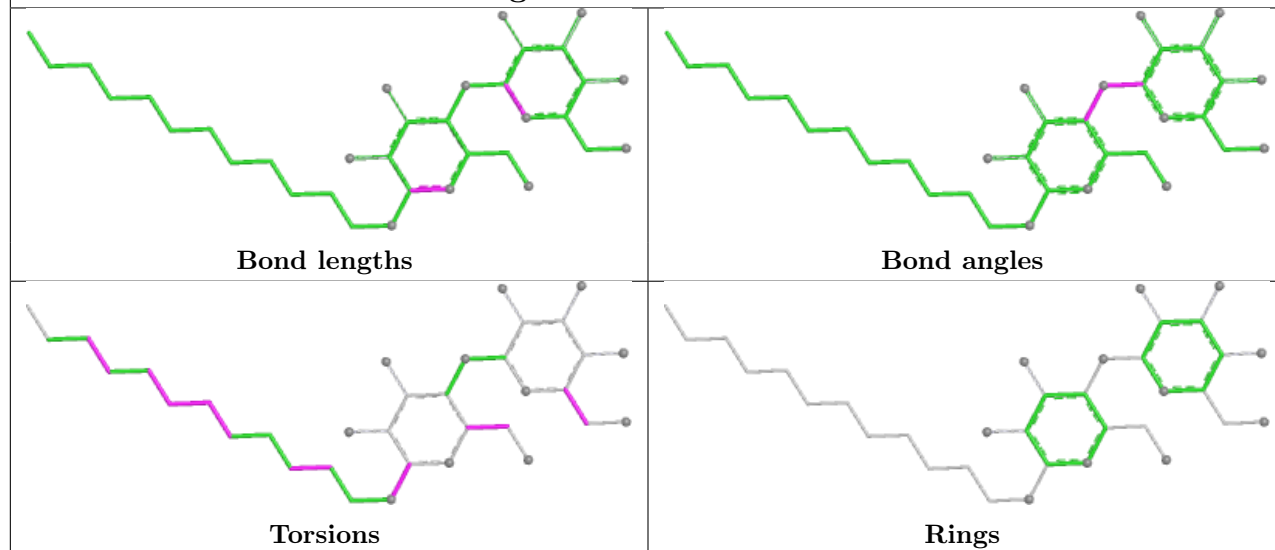


Ligand CLA a2 502

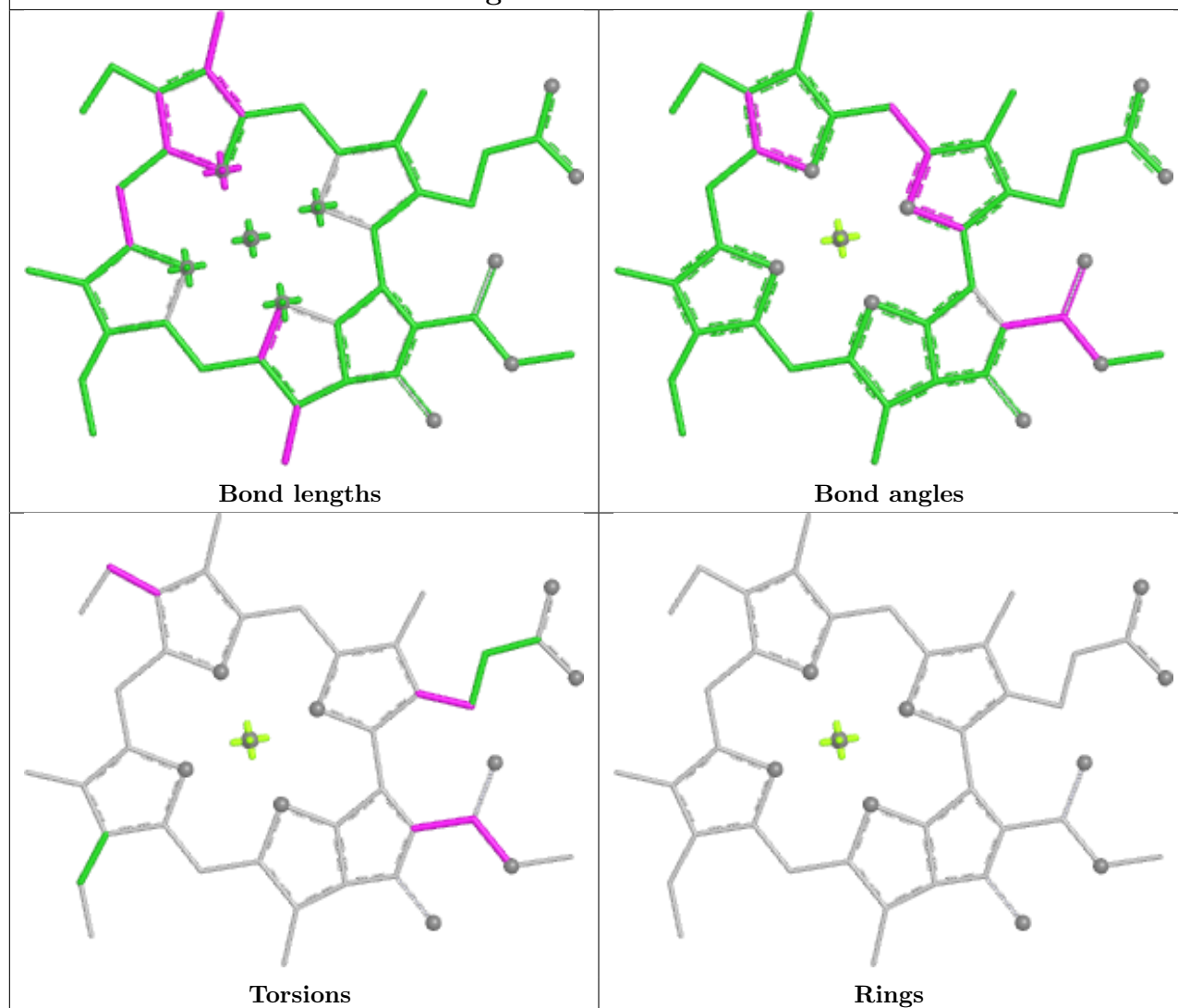


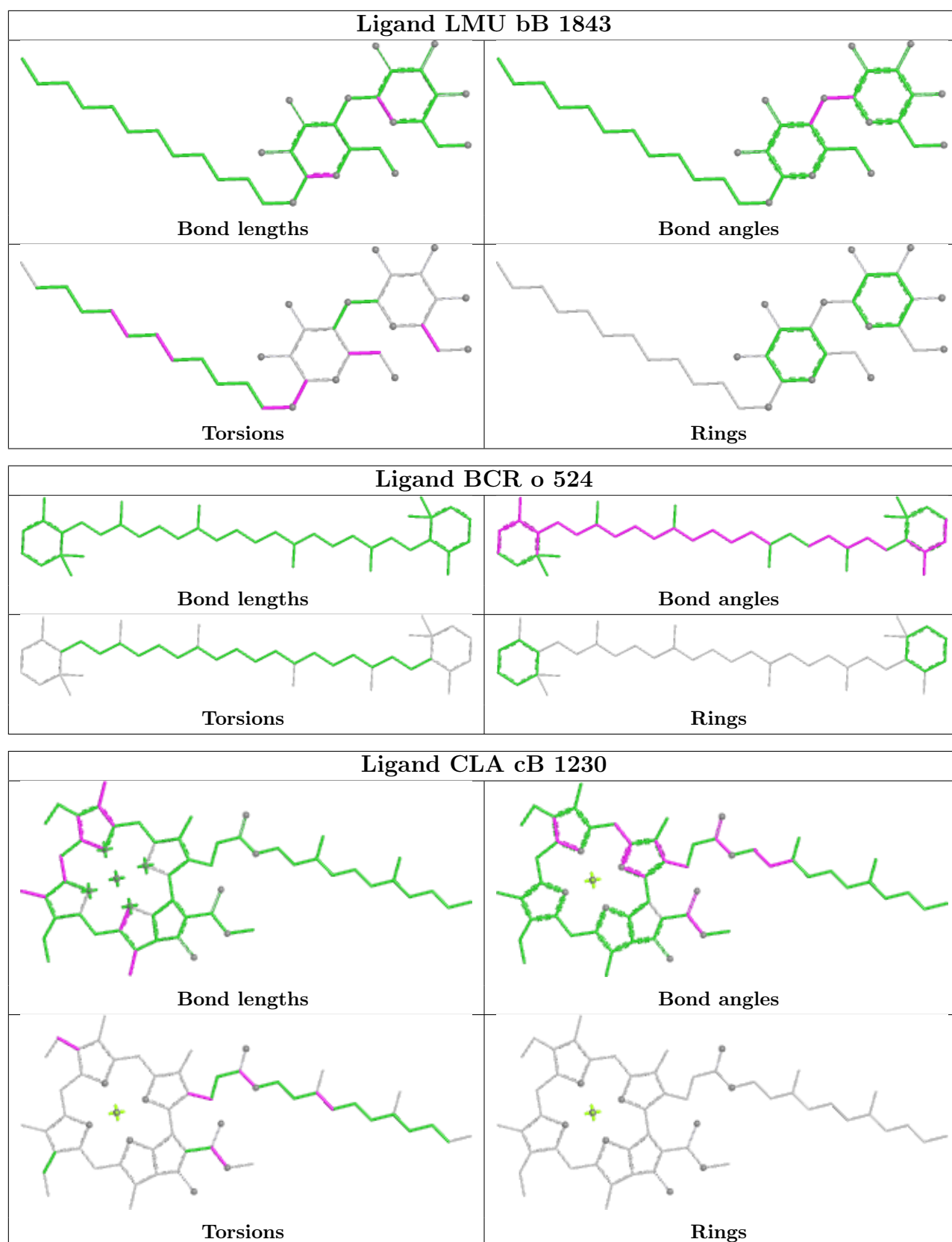


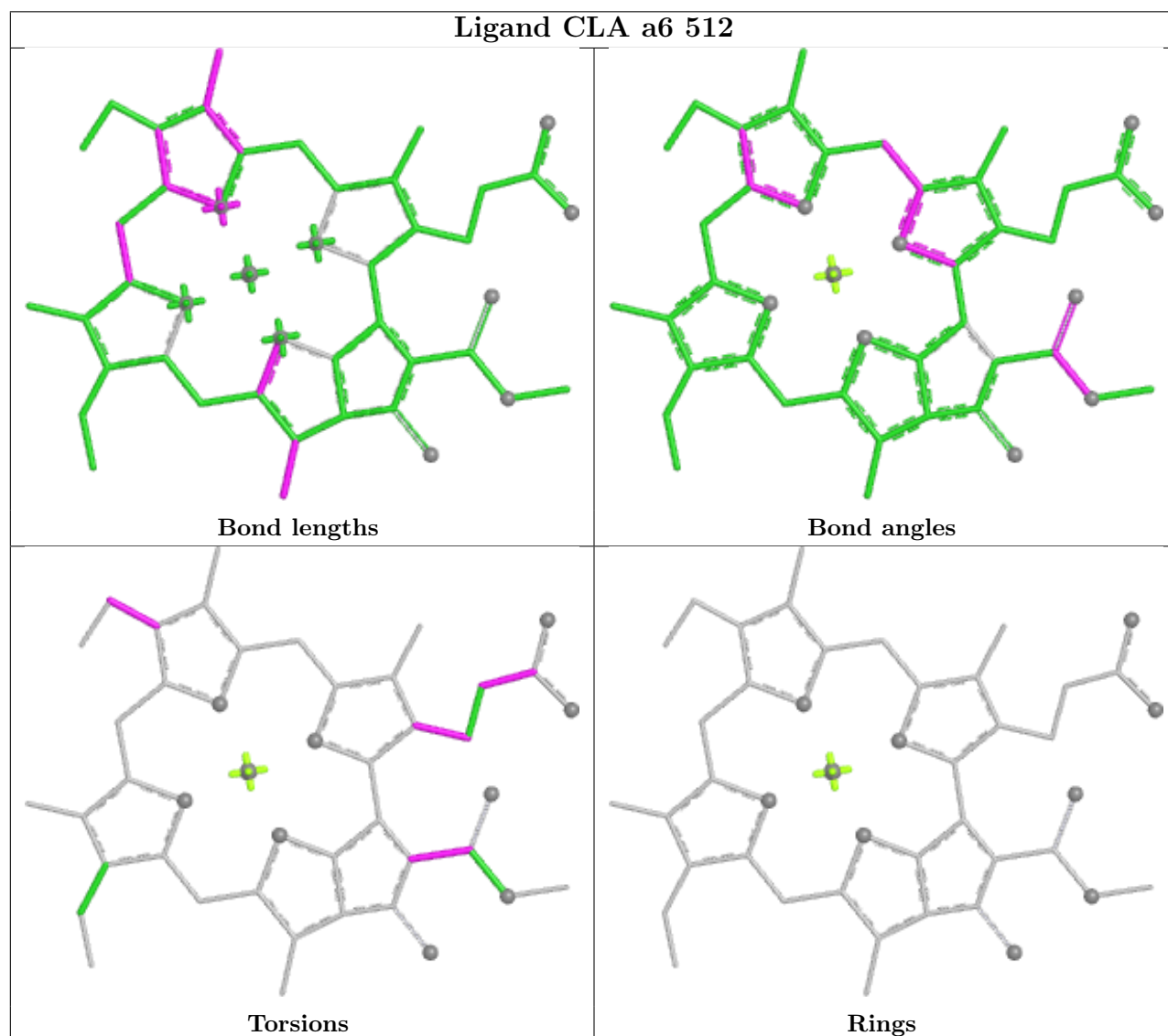
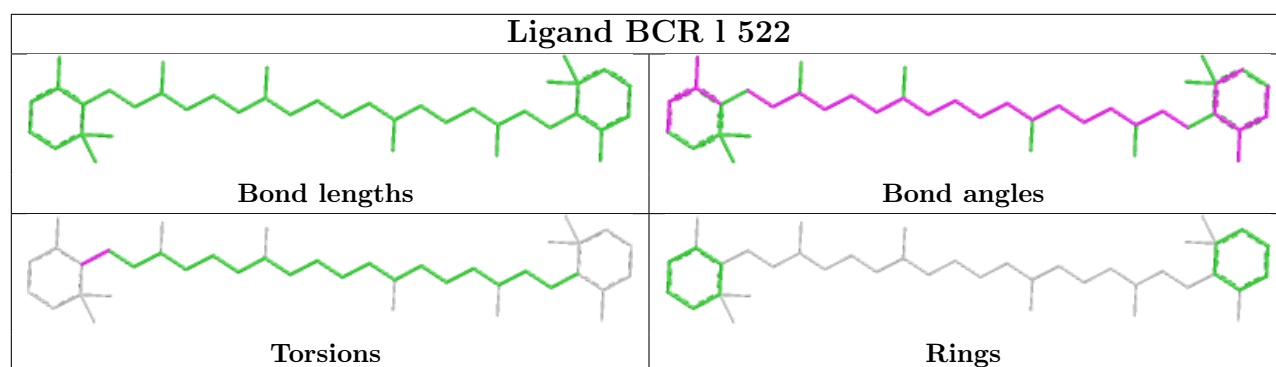
Ligand LMU aB 1843

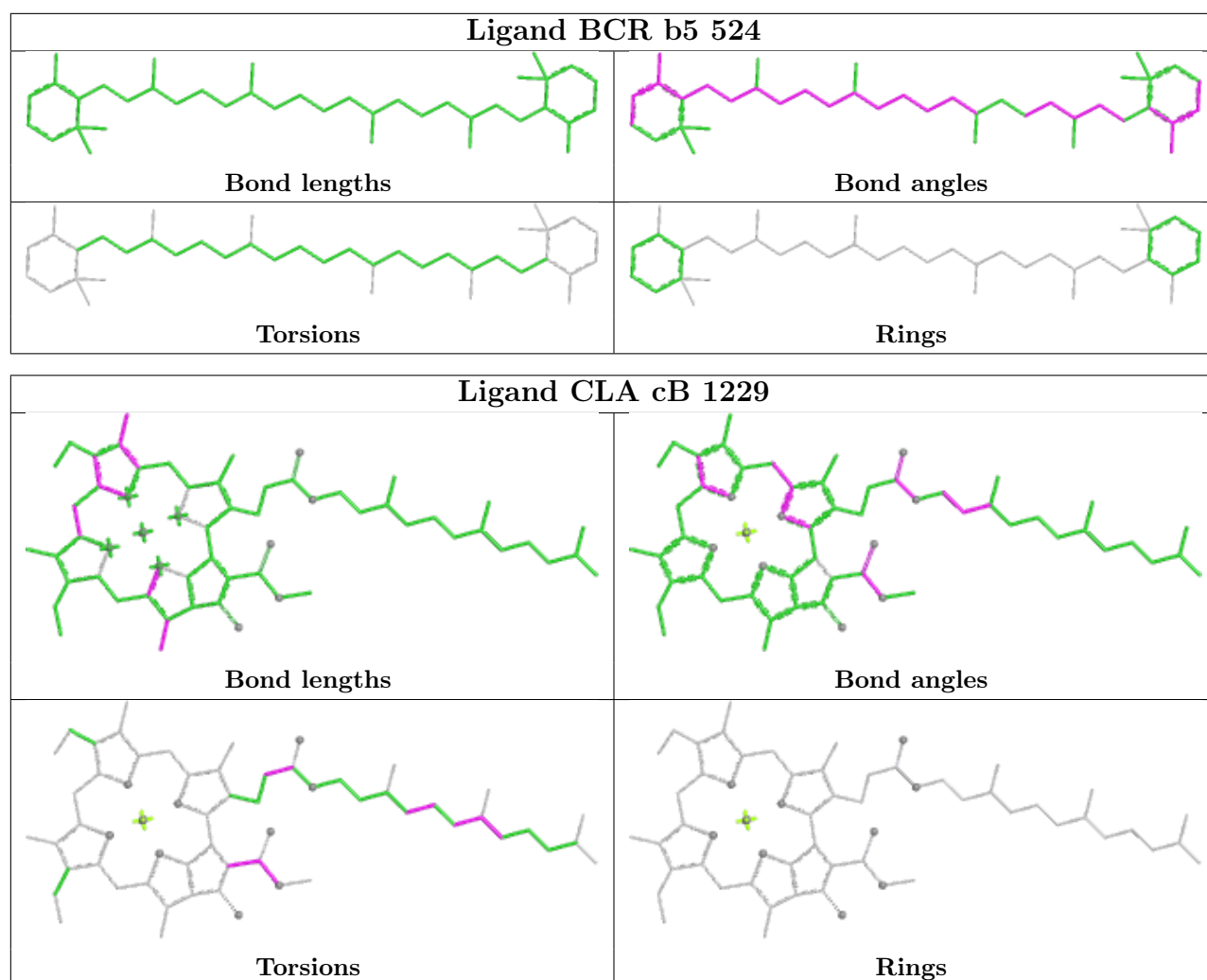


Ligand CLA W 517

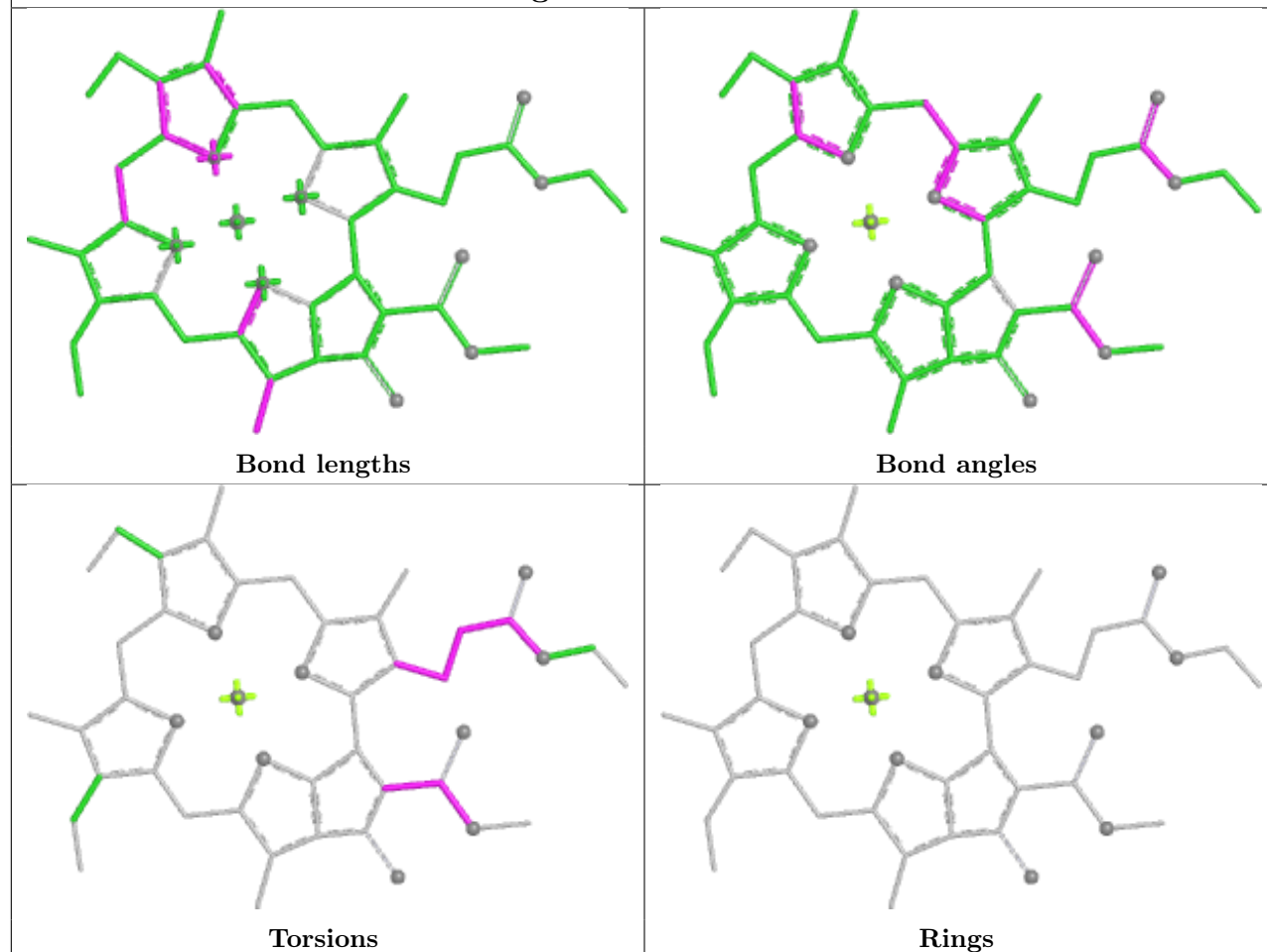




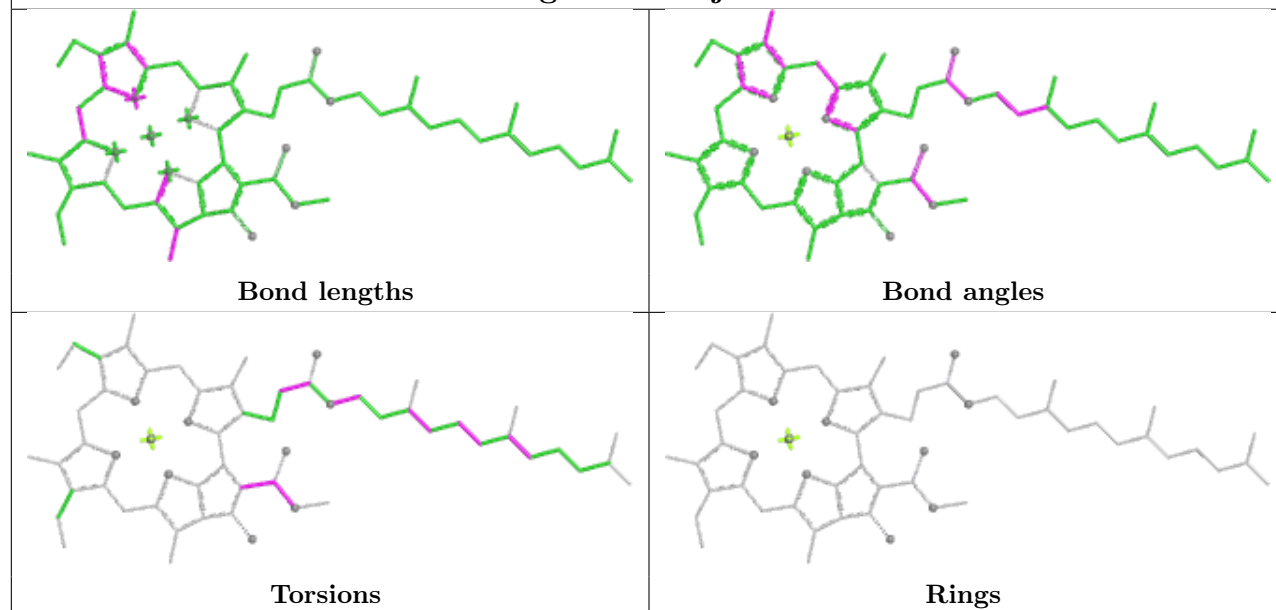




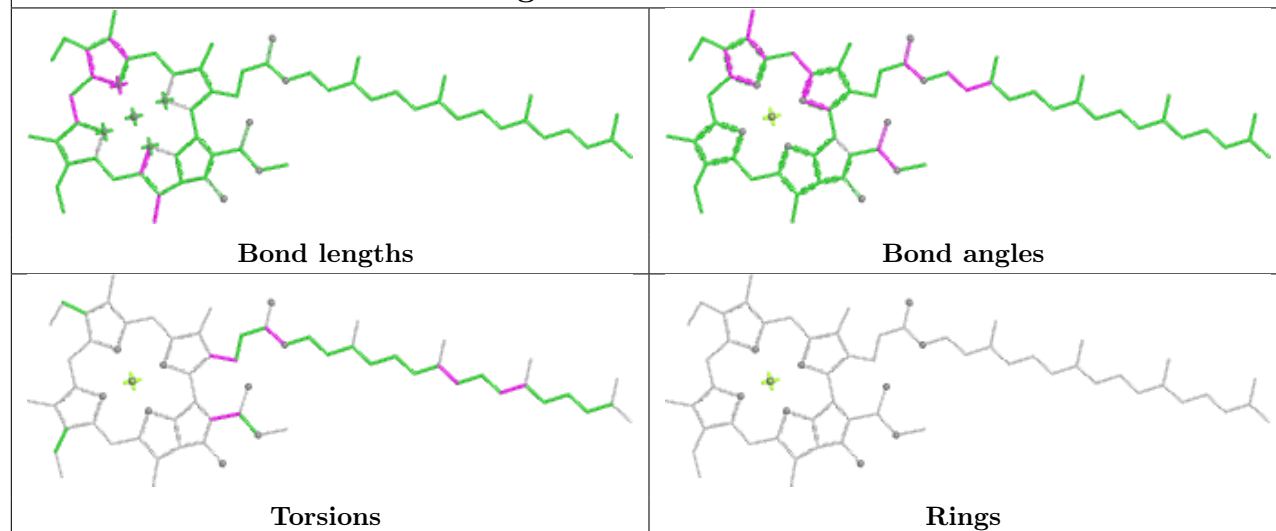
Ligand CLA h 518



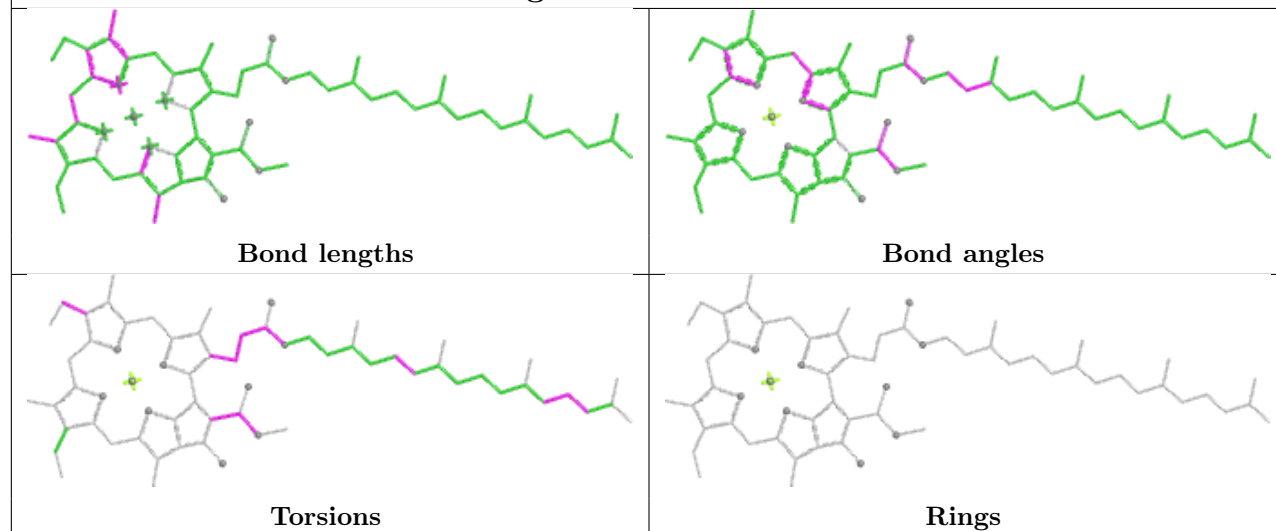
Ligand CLA j 510



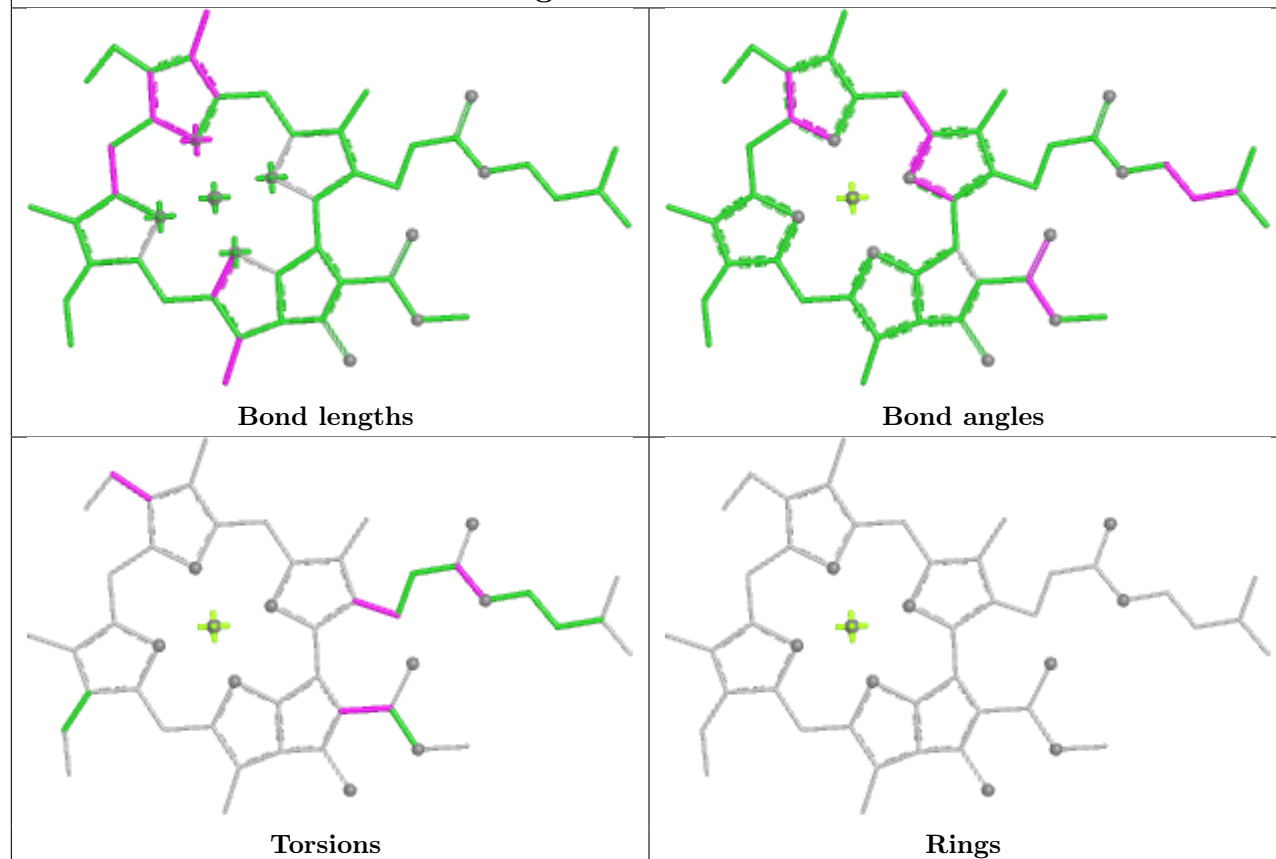
Ligand CLA cL 1501



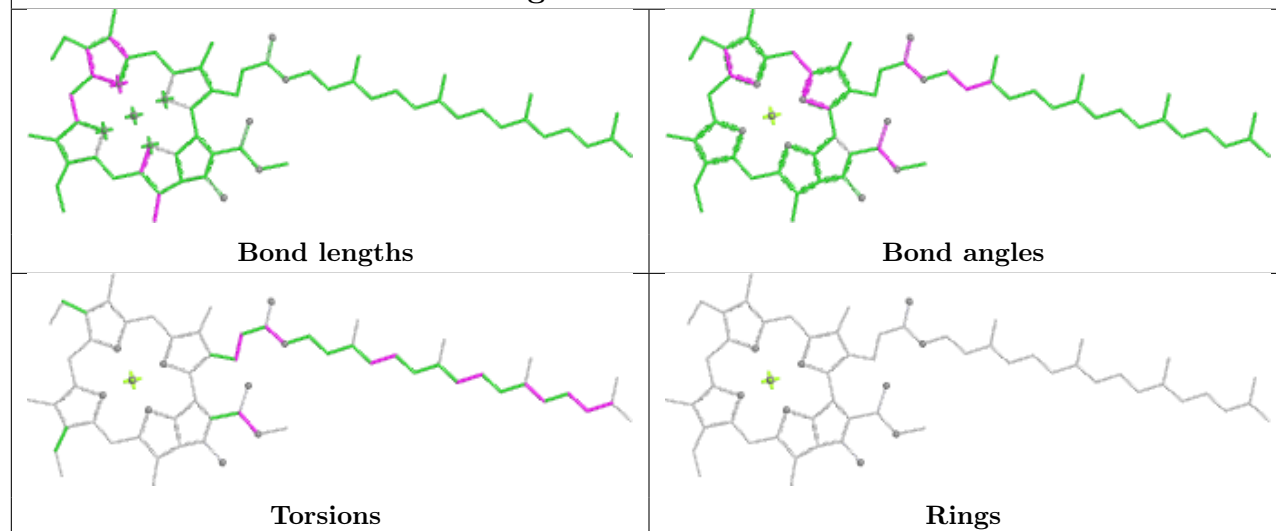
Ligand CLA W 501



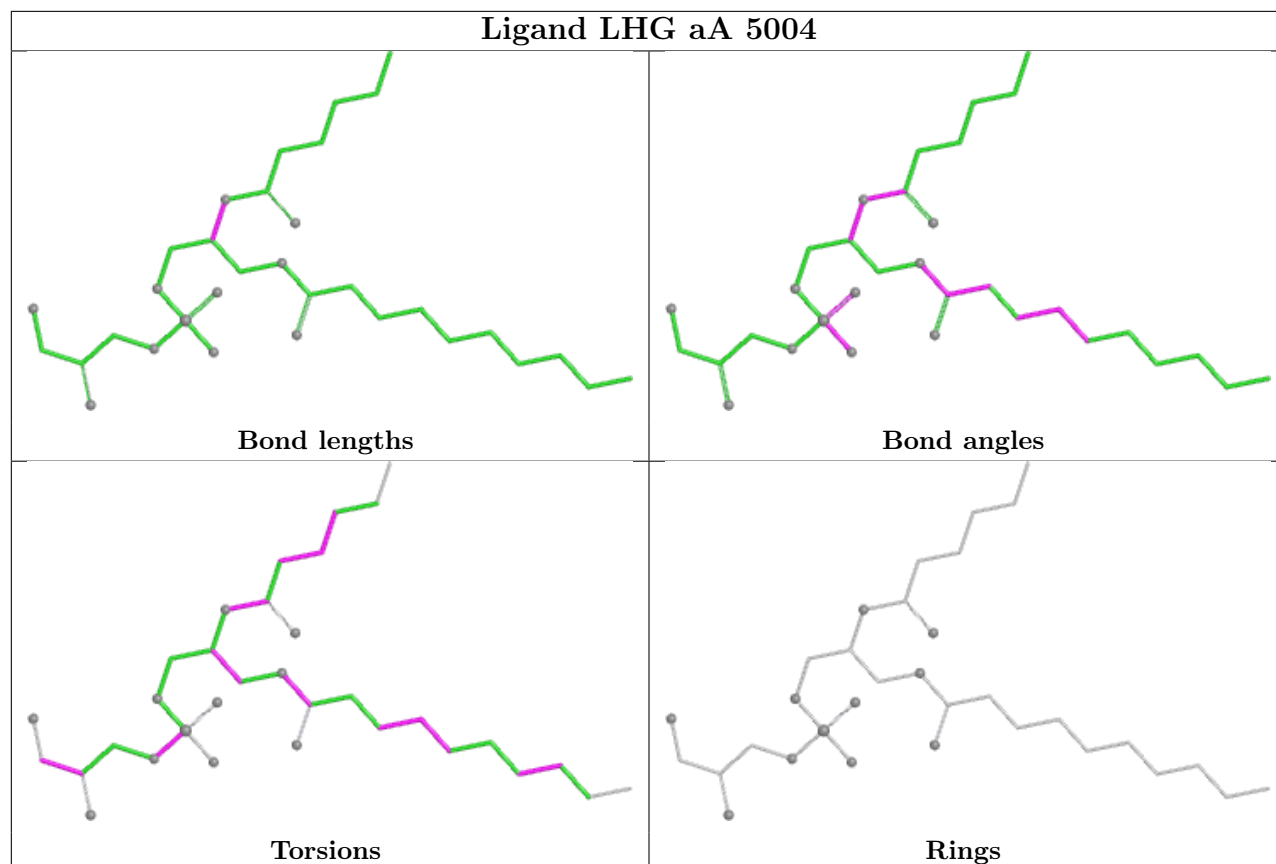
Ligand CLA b 512



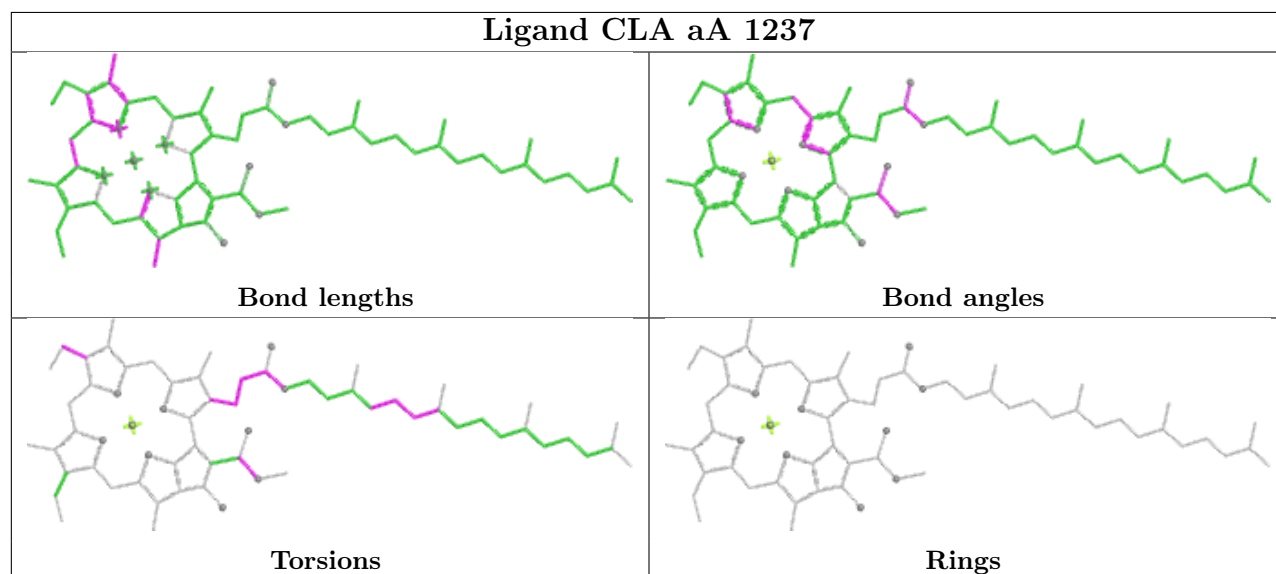
Ligand CLA a6 505

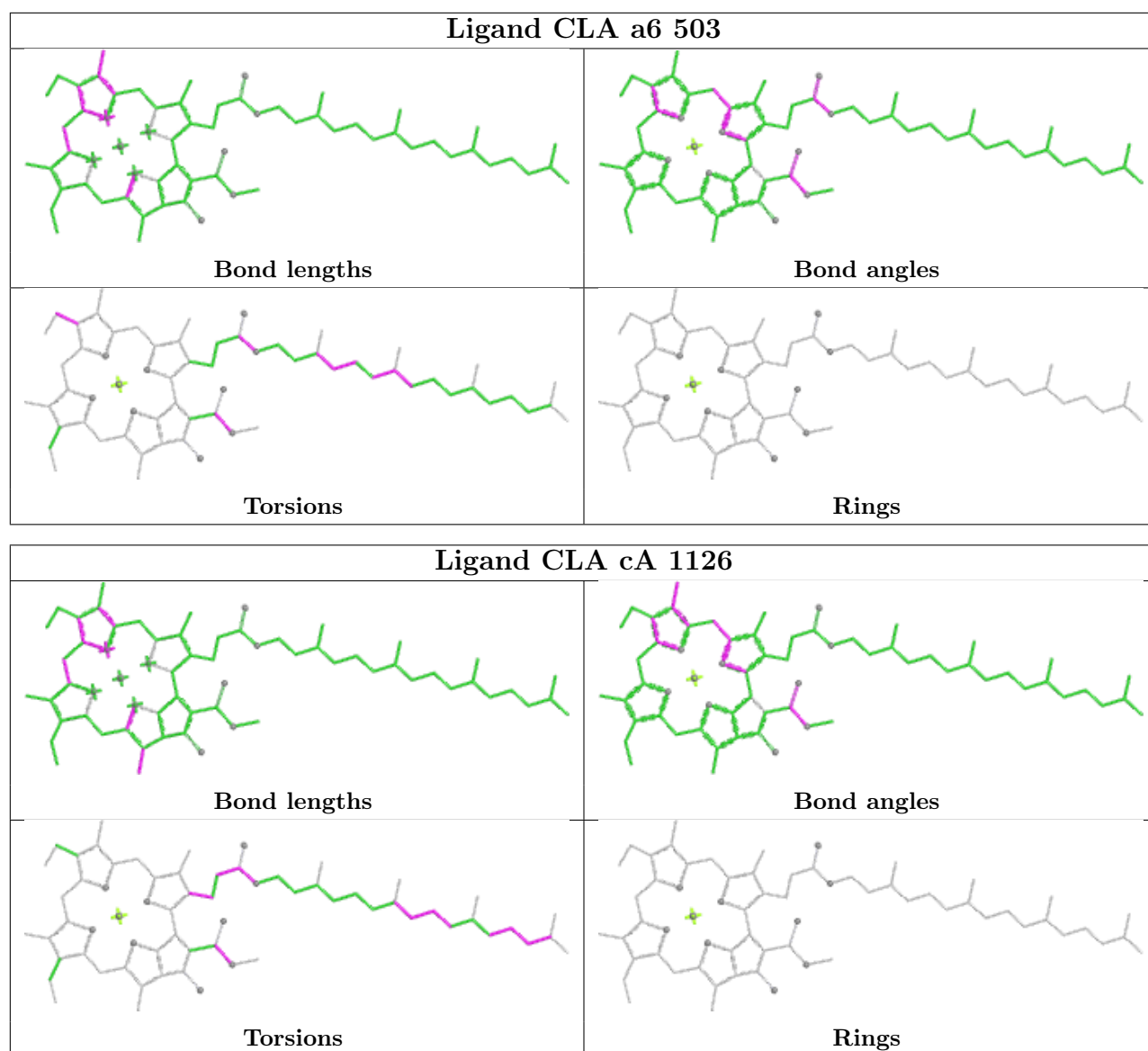


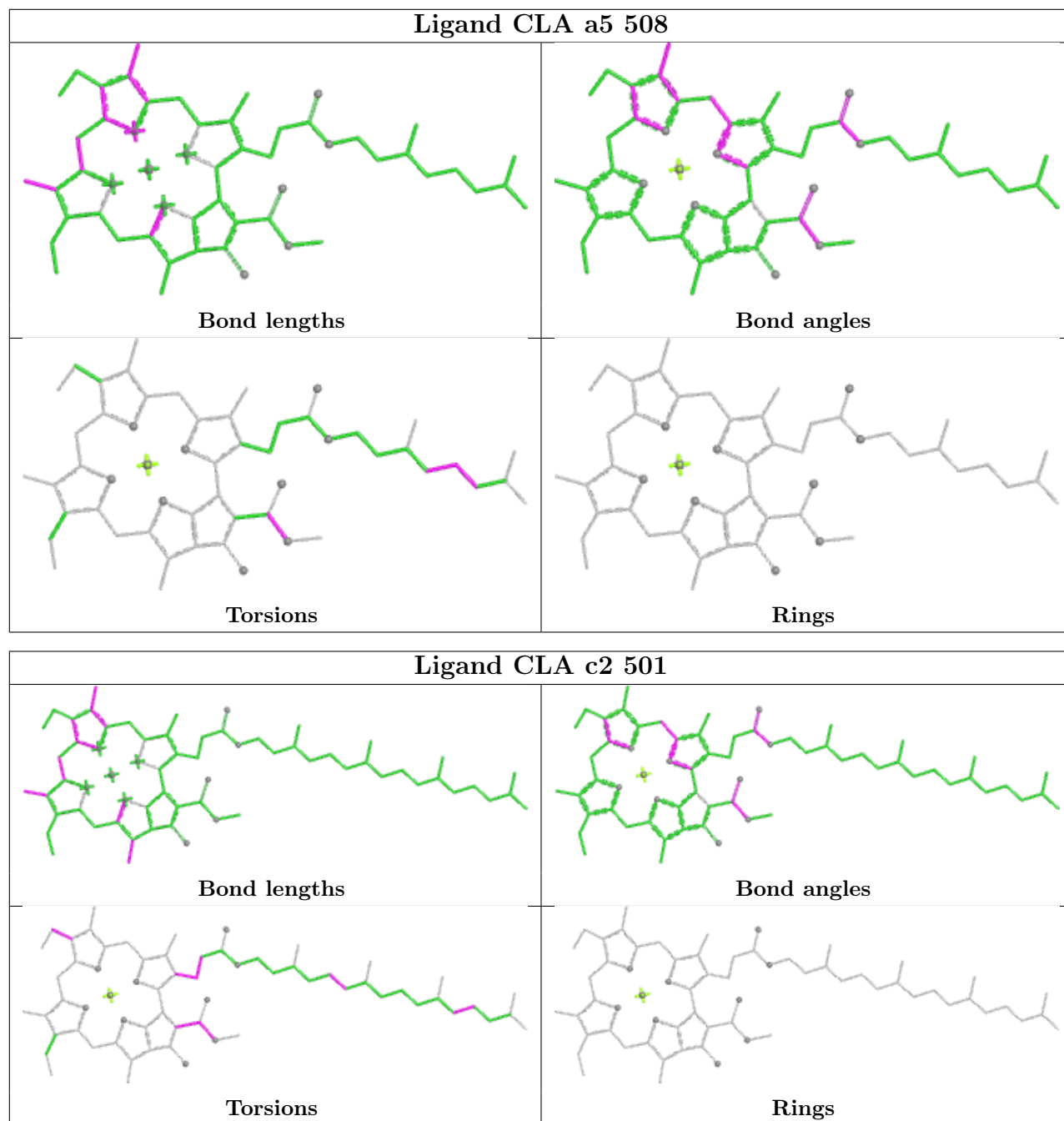
Ligand LHG aA 5004



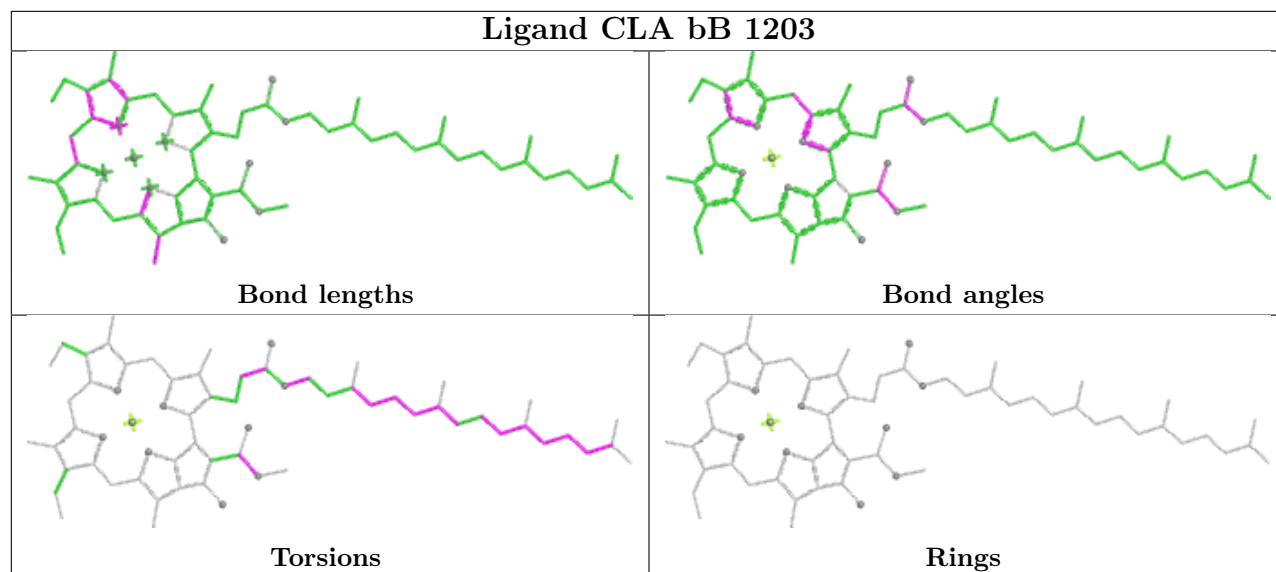
Ligand CLA aA 1237



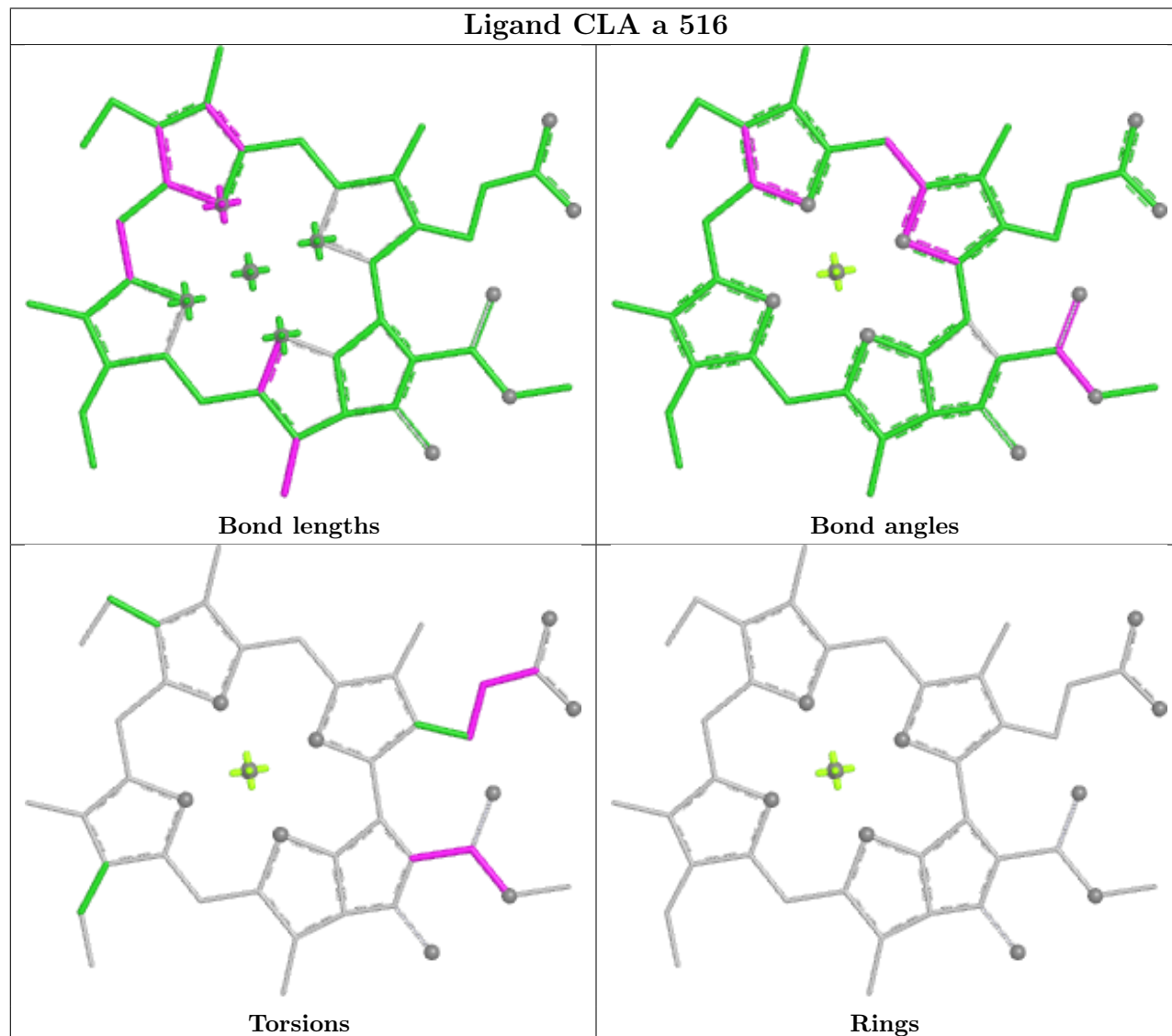


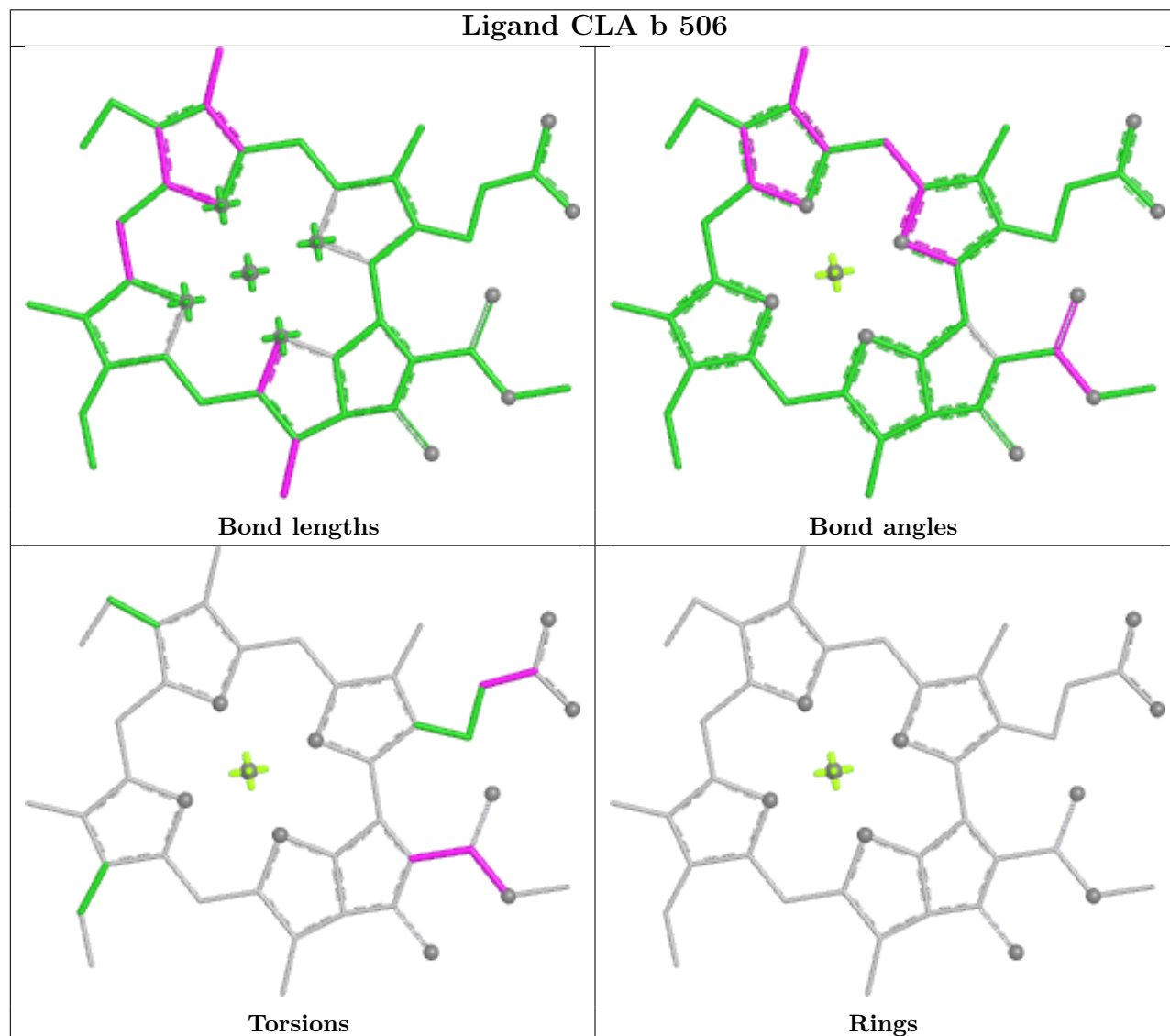
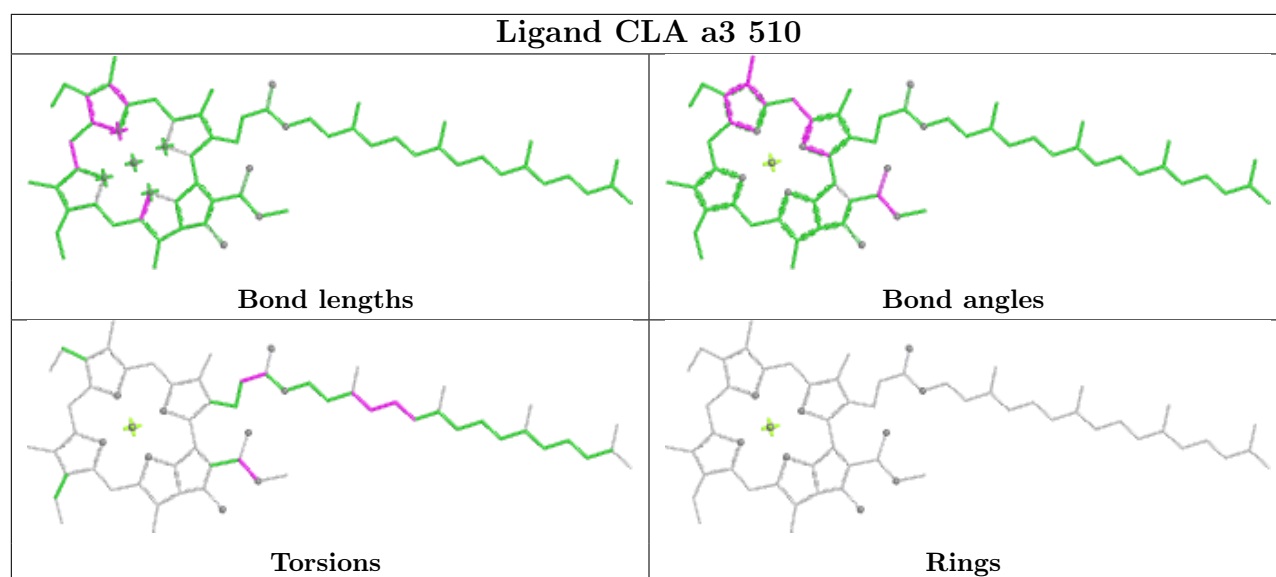


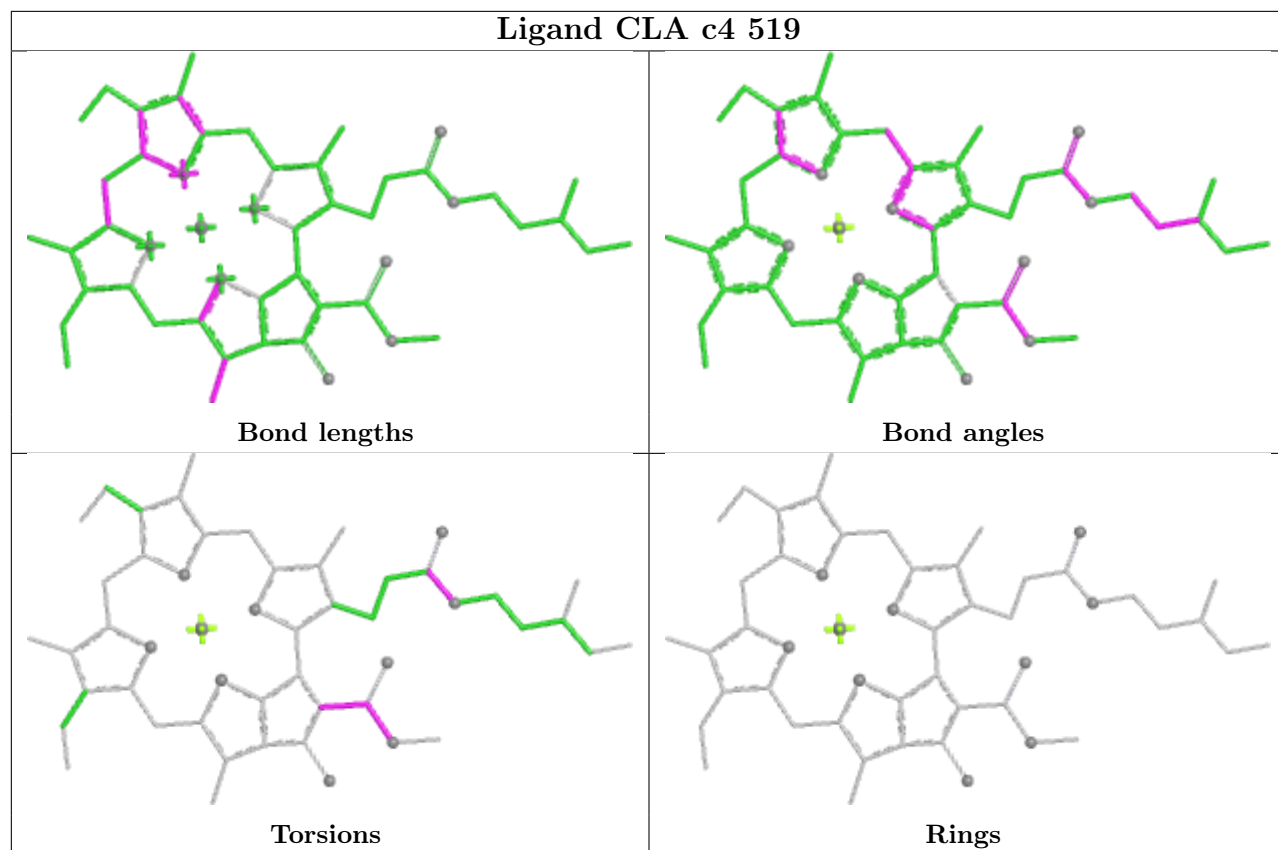
Ligand CLA bB 1203



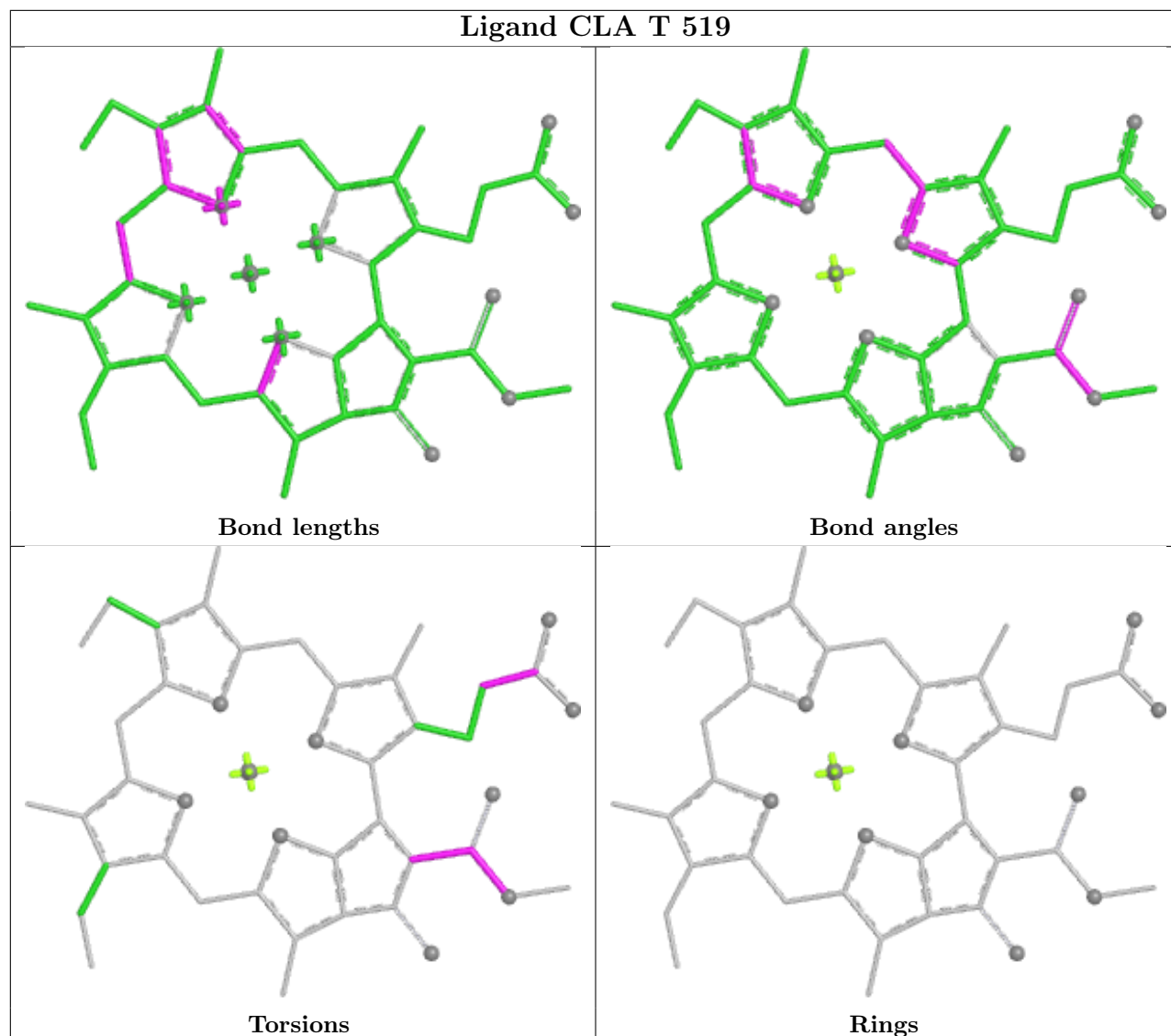
Ligand CLA a 516



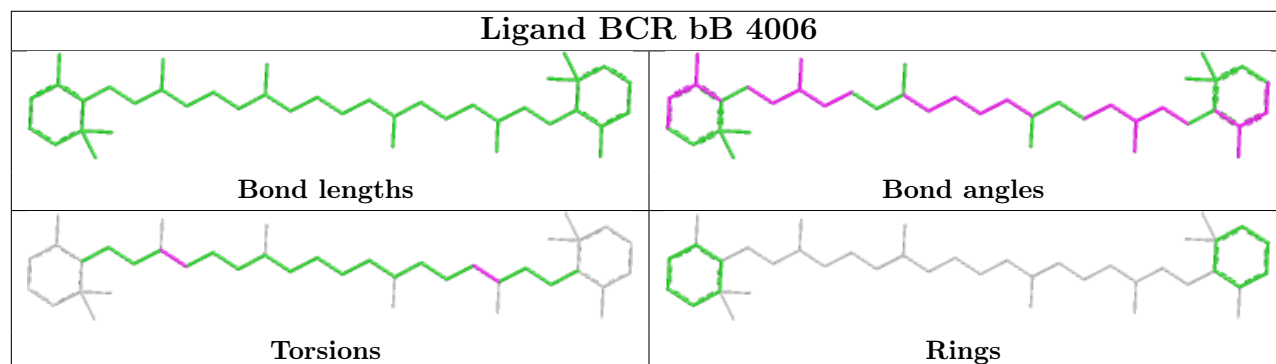




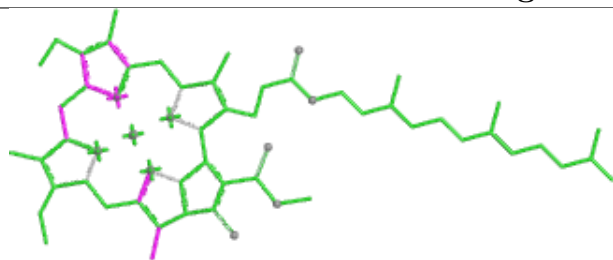
Ligand CLA T 519



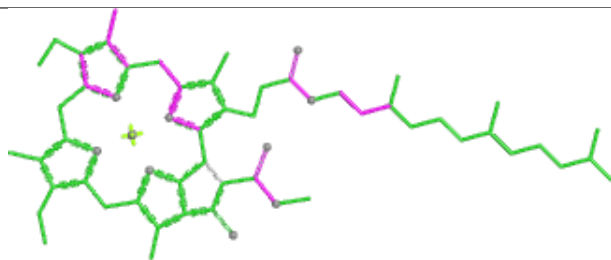
Ligand BCR bB 4006



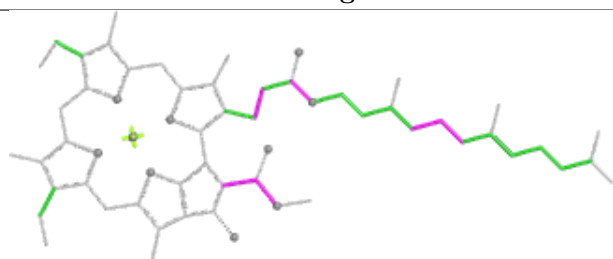
Ligand CLA b 505



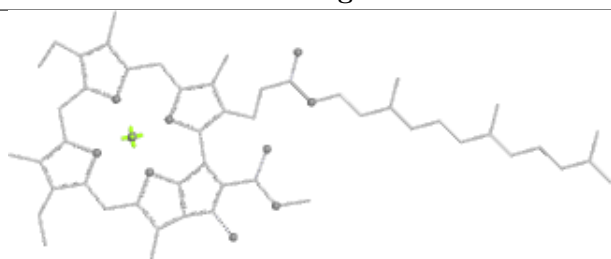
Bond lengths



Bond angles

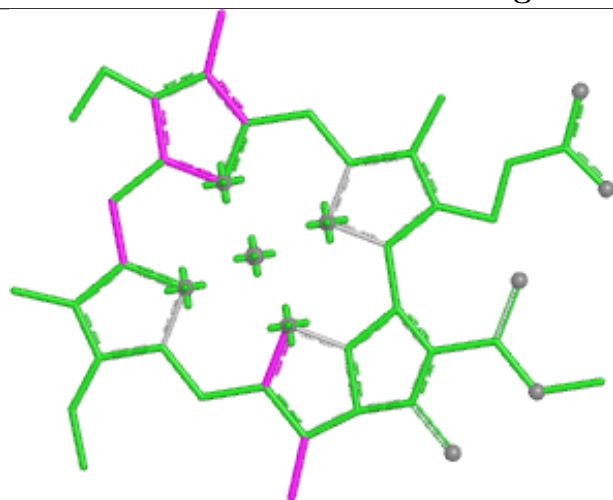


Torsions

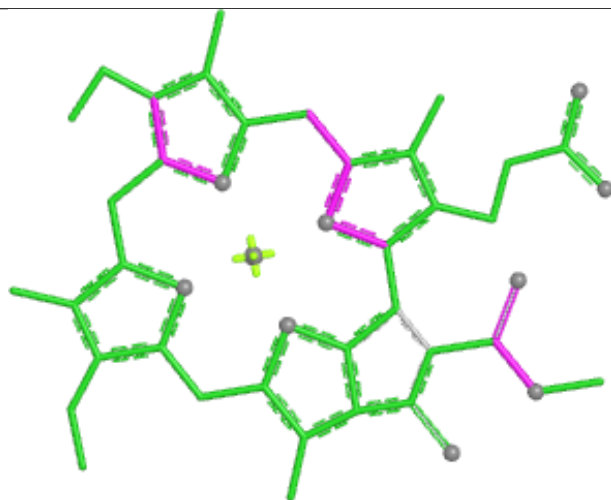


Rings

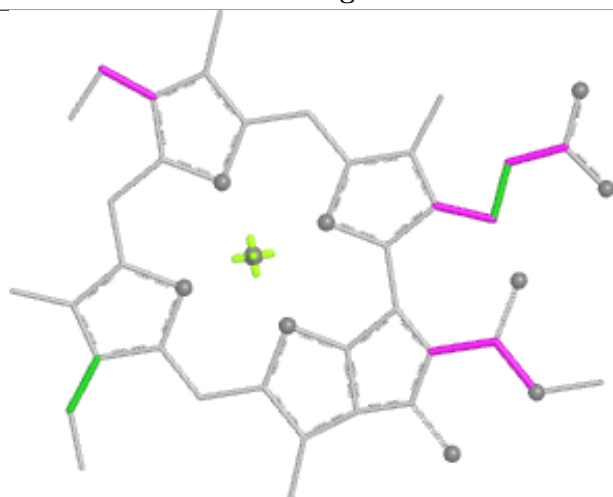
Ligand CLA X 519



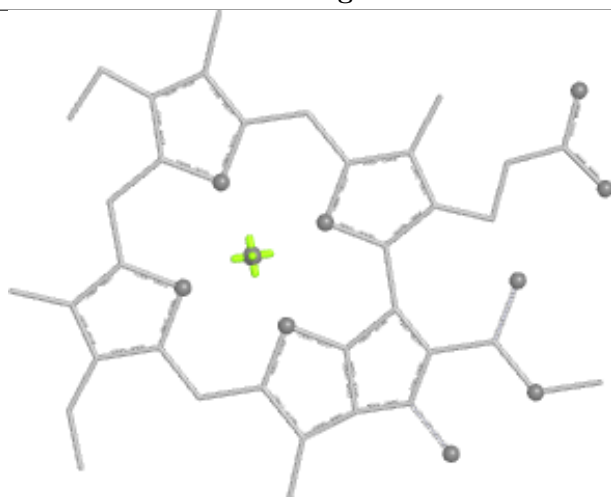
Bond lengths



Bond angles

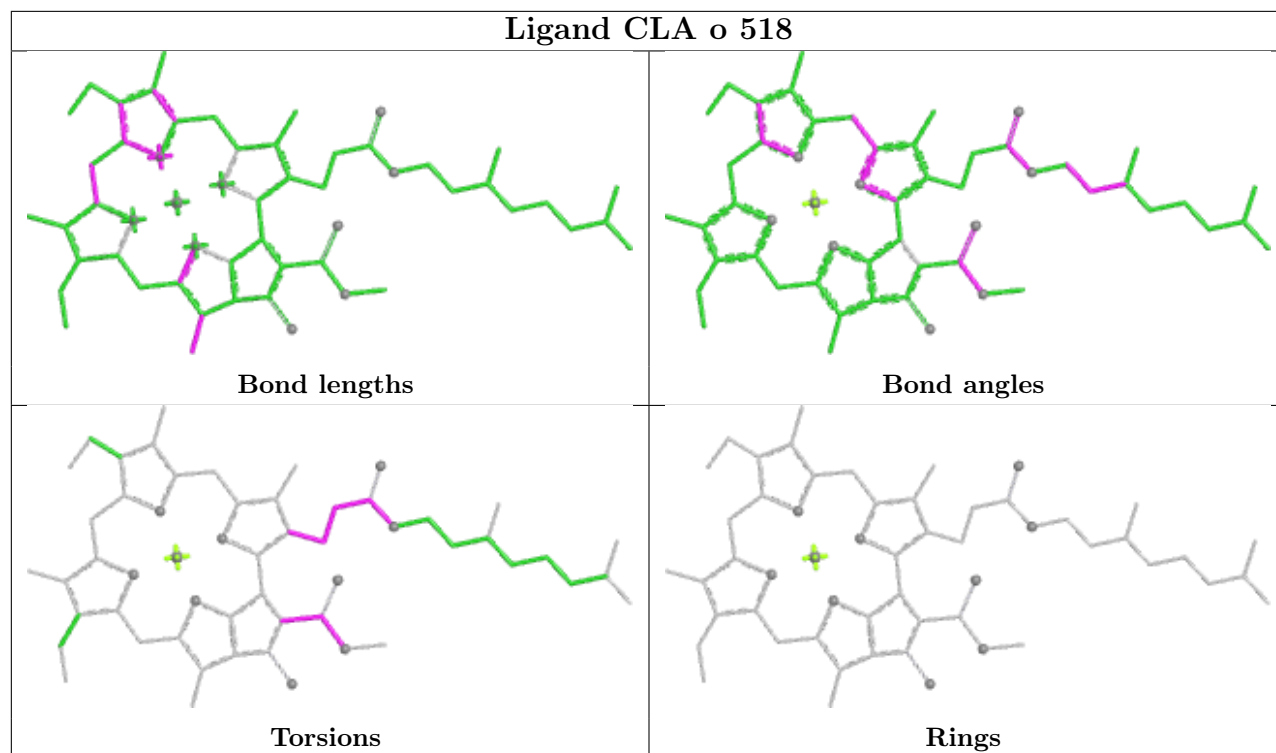


Torsions

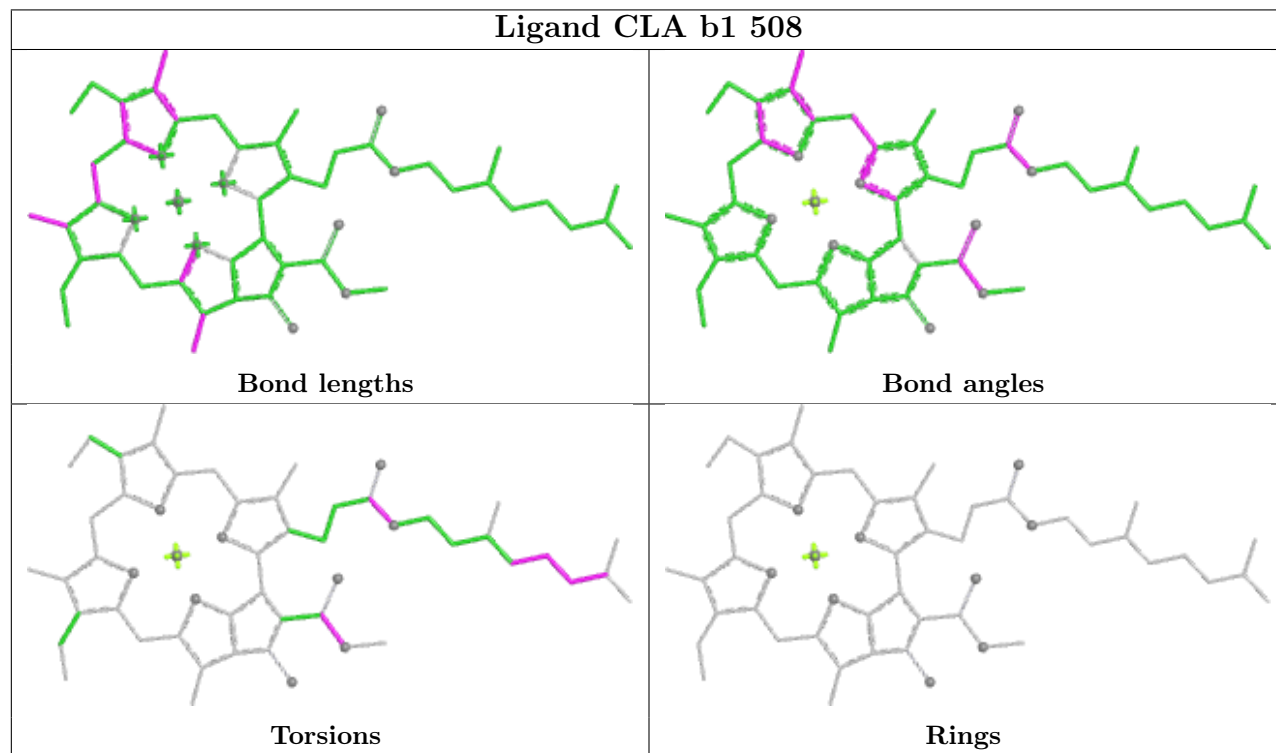


Rings

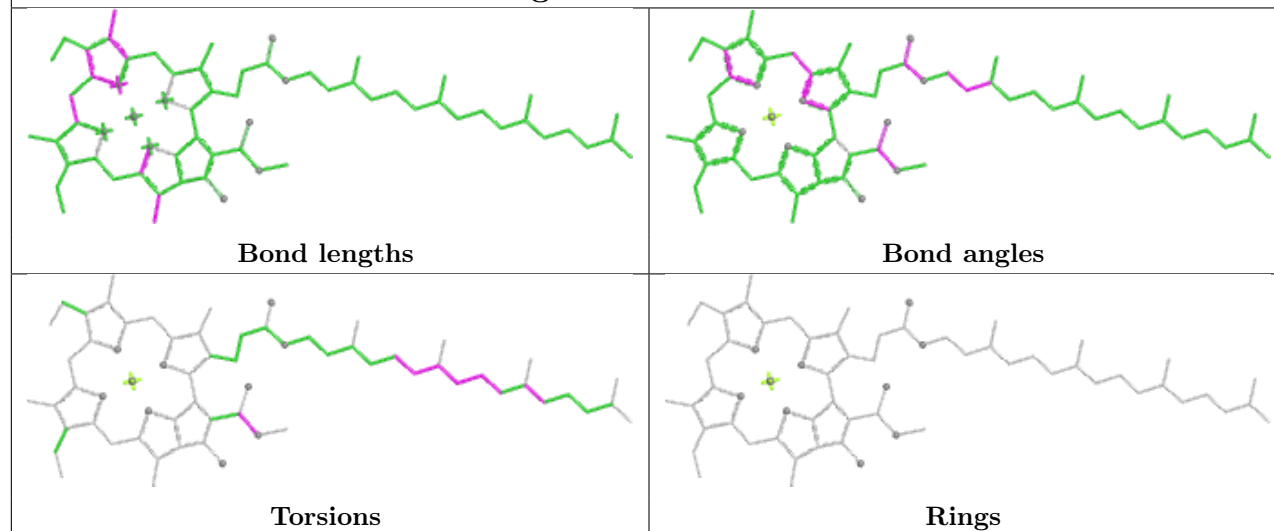
Ligand CLA o 518



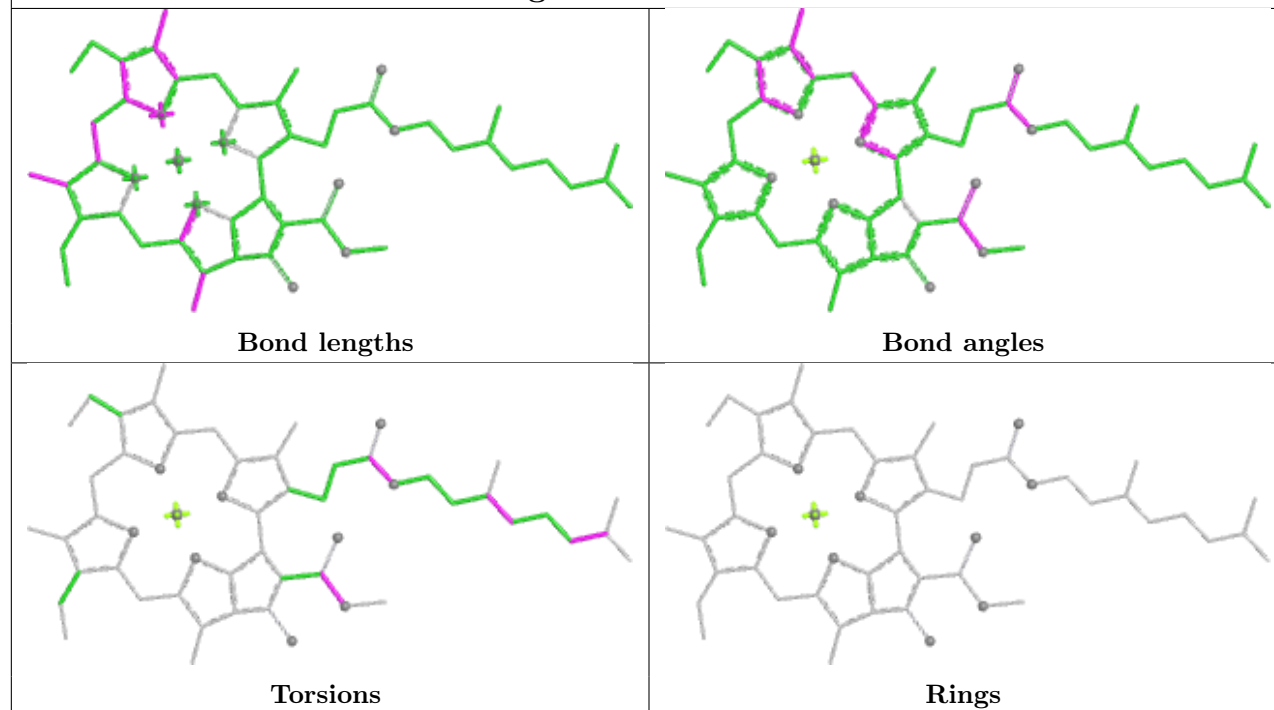
Ligand CLA b1 508

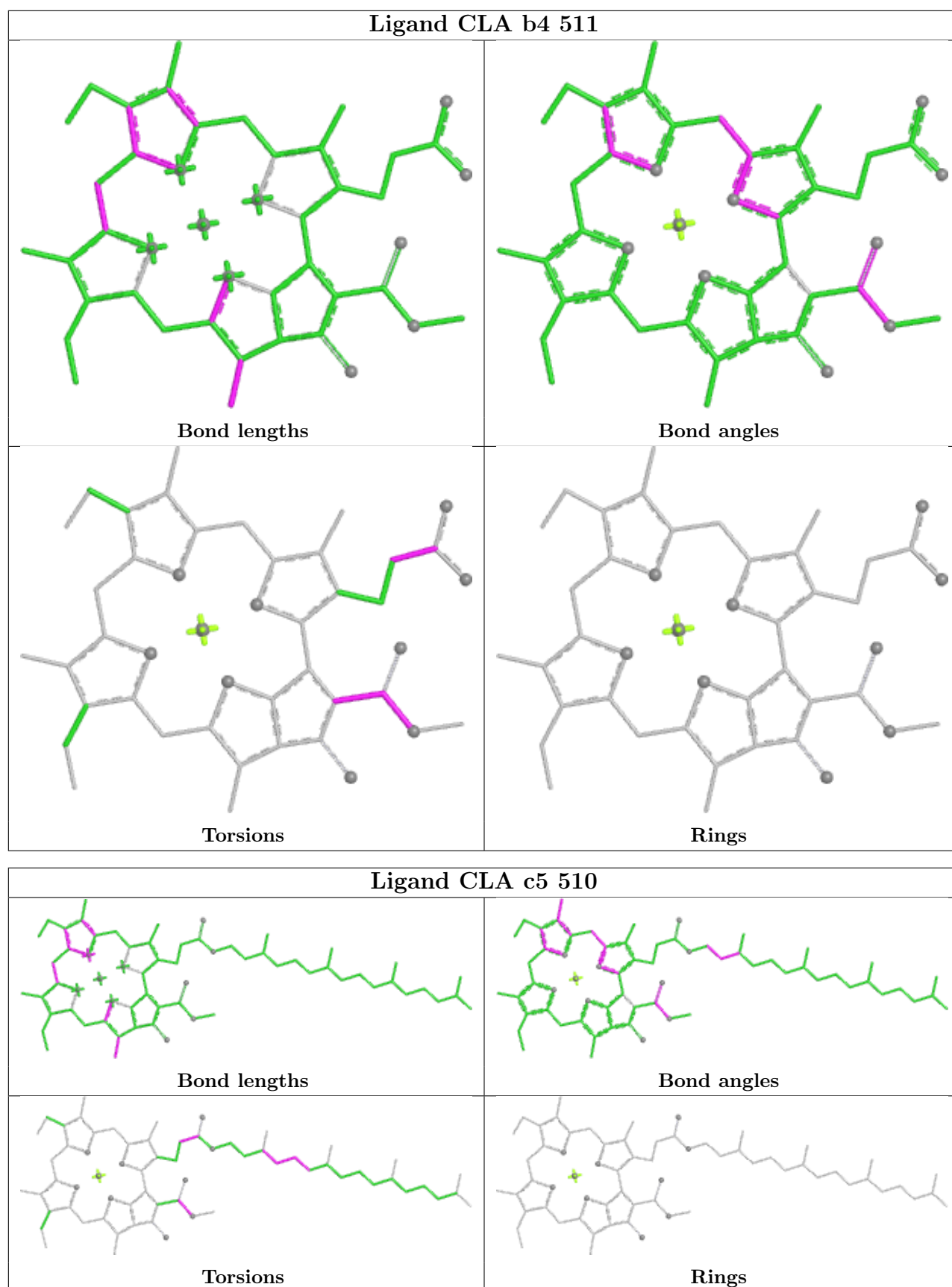


Ligand CLA V 509

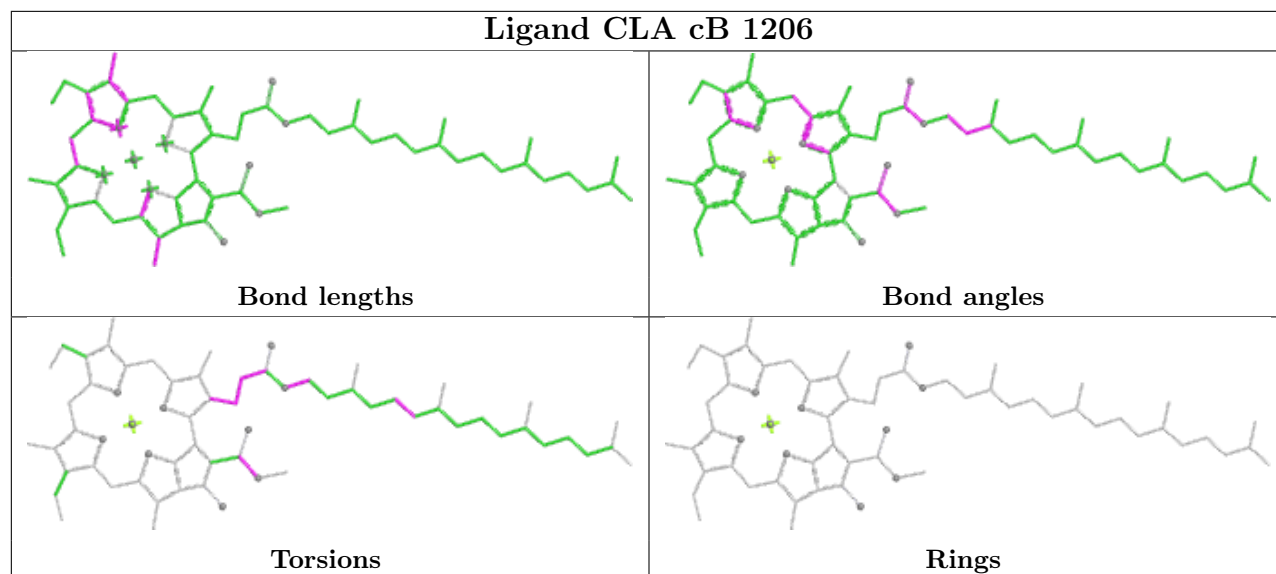


Ligand CLA c3 508

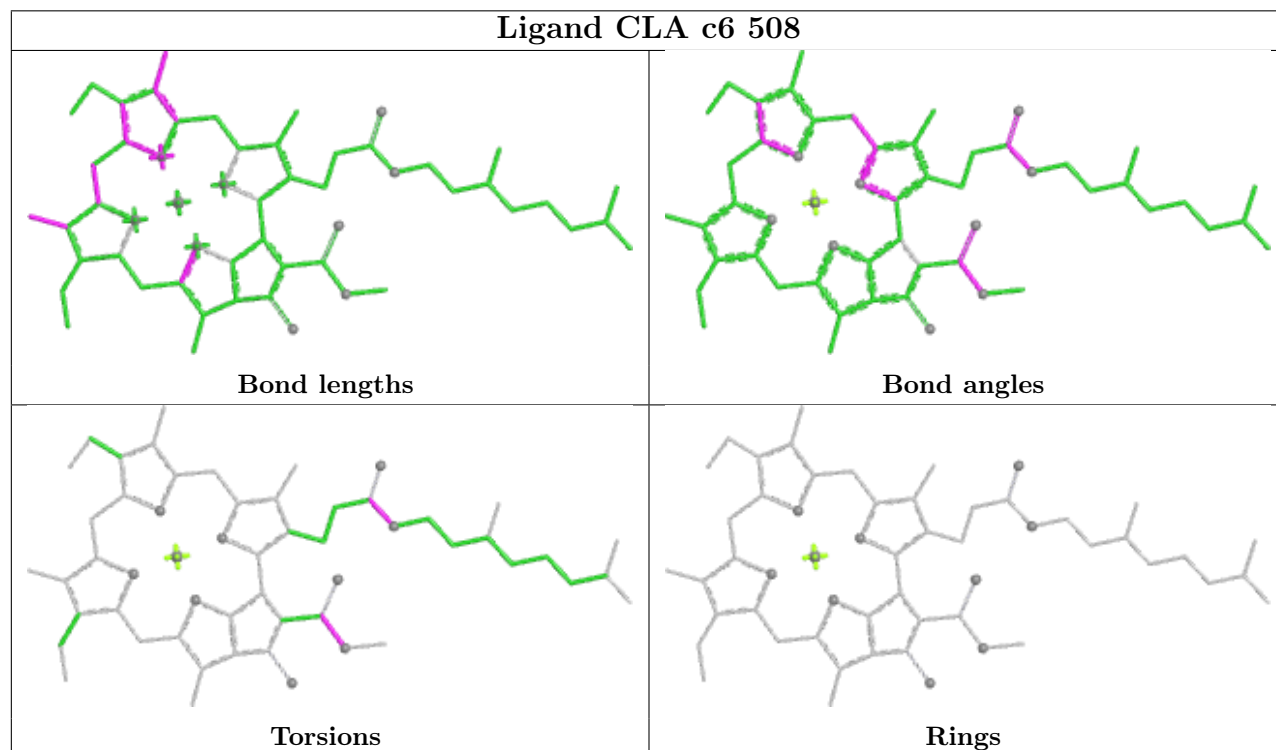


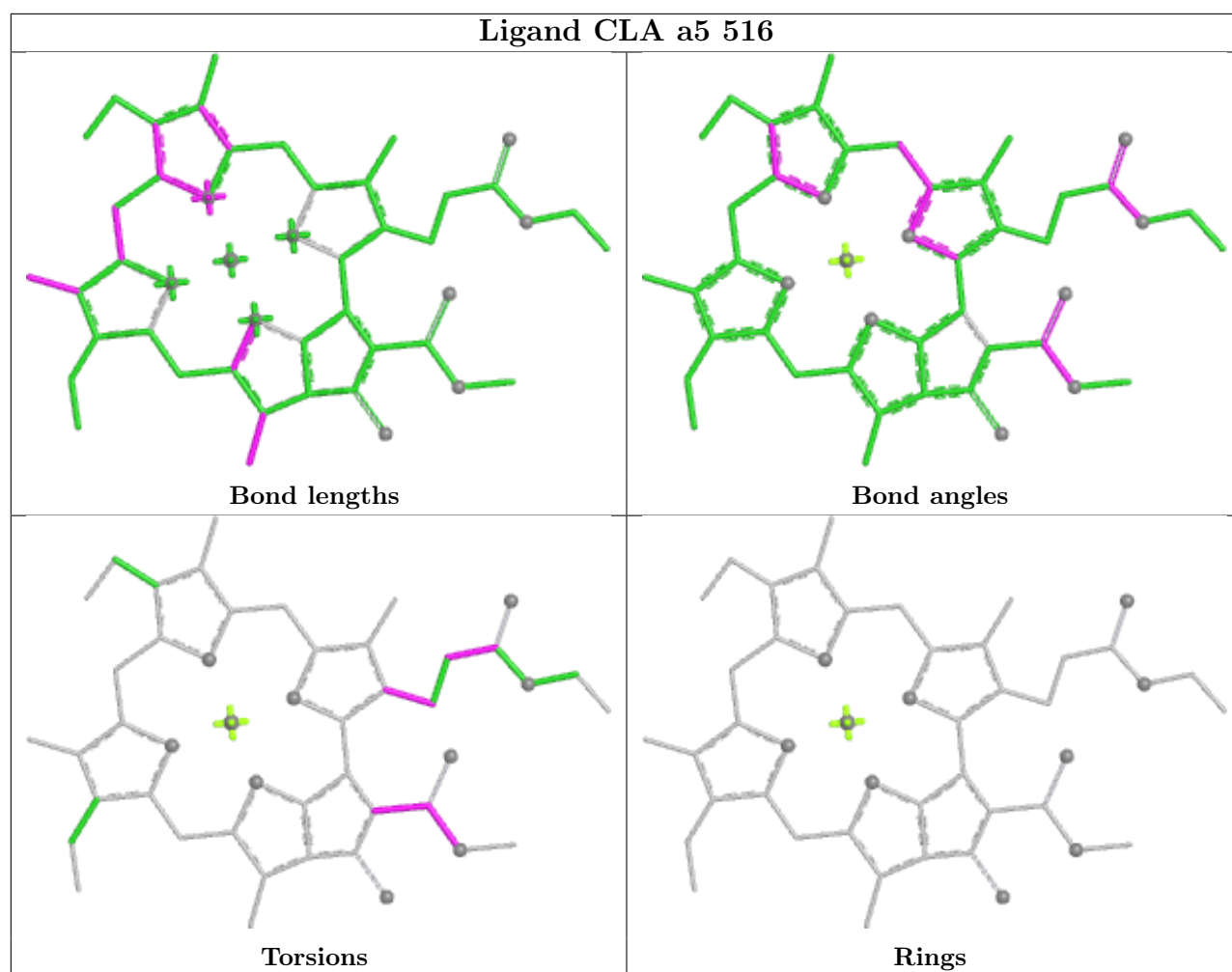


Ligand CLA cB 1206

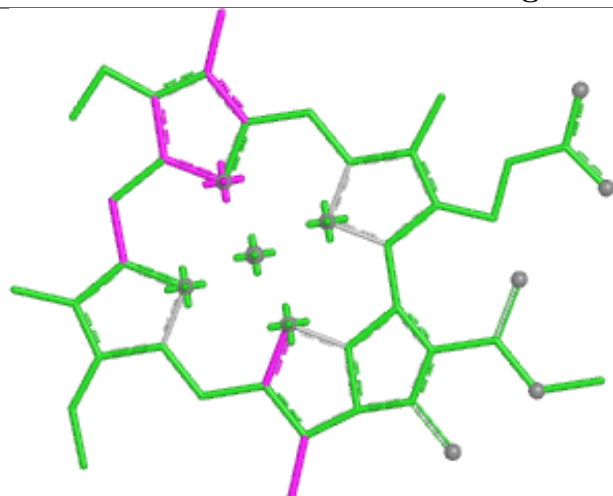


Ligand CLA c6 508

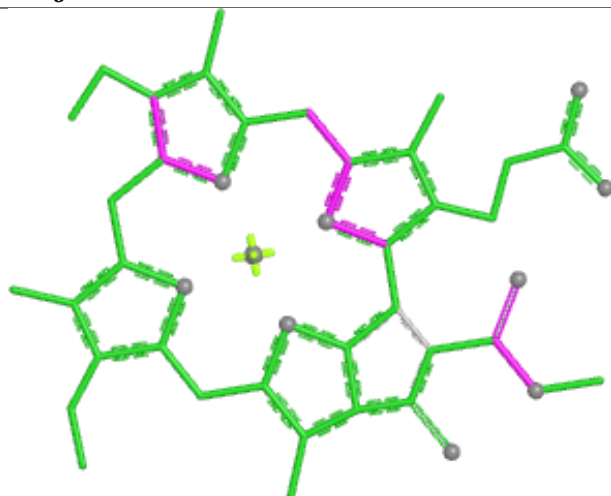




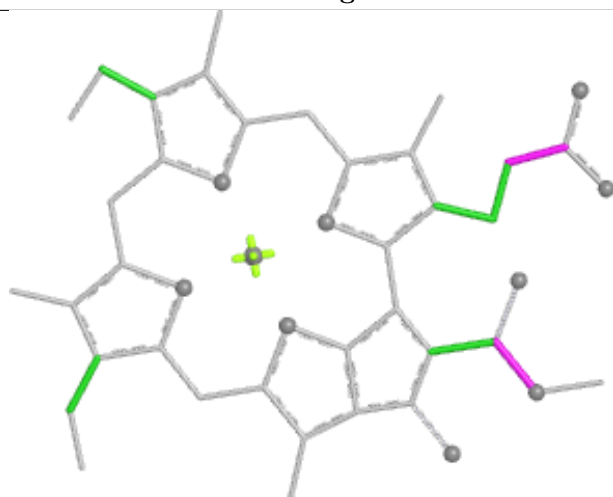
Ligand CLA j 506



Bond lengths



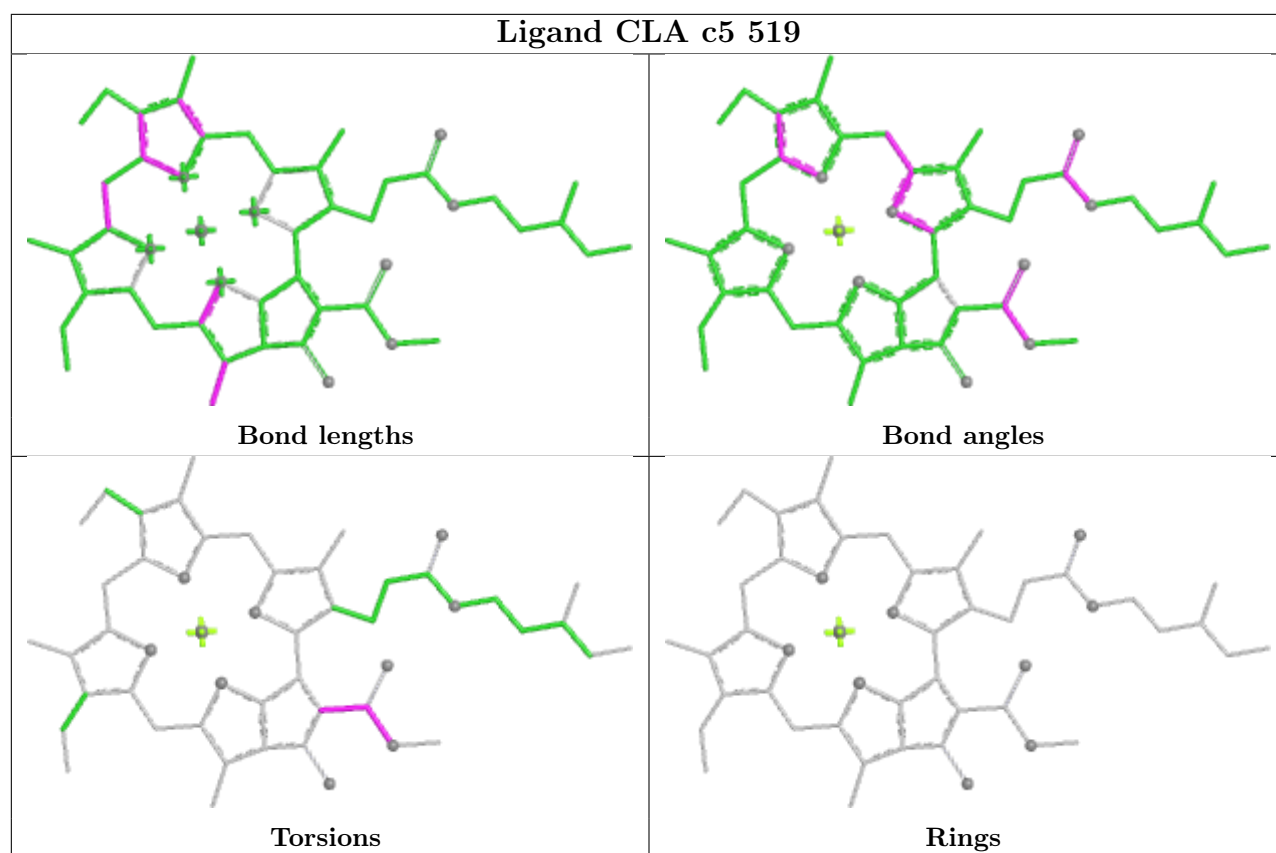
Bond angles

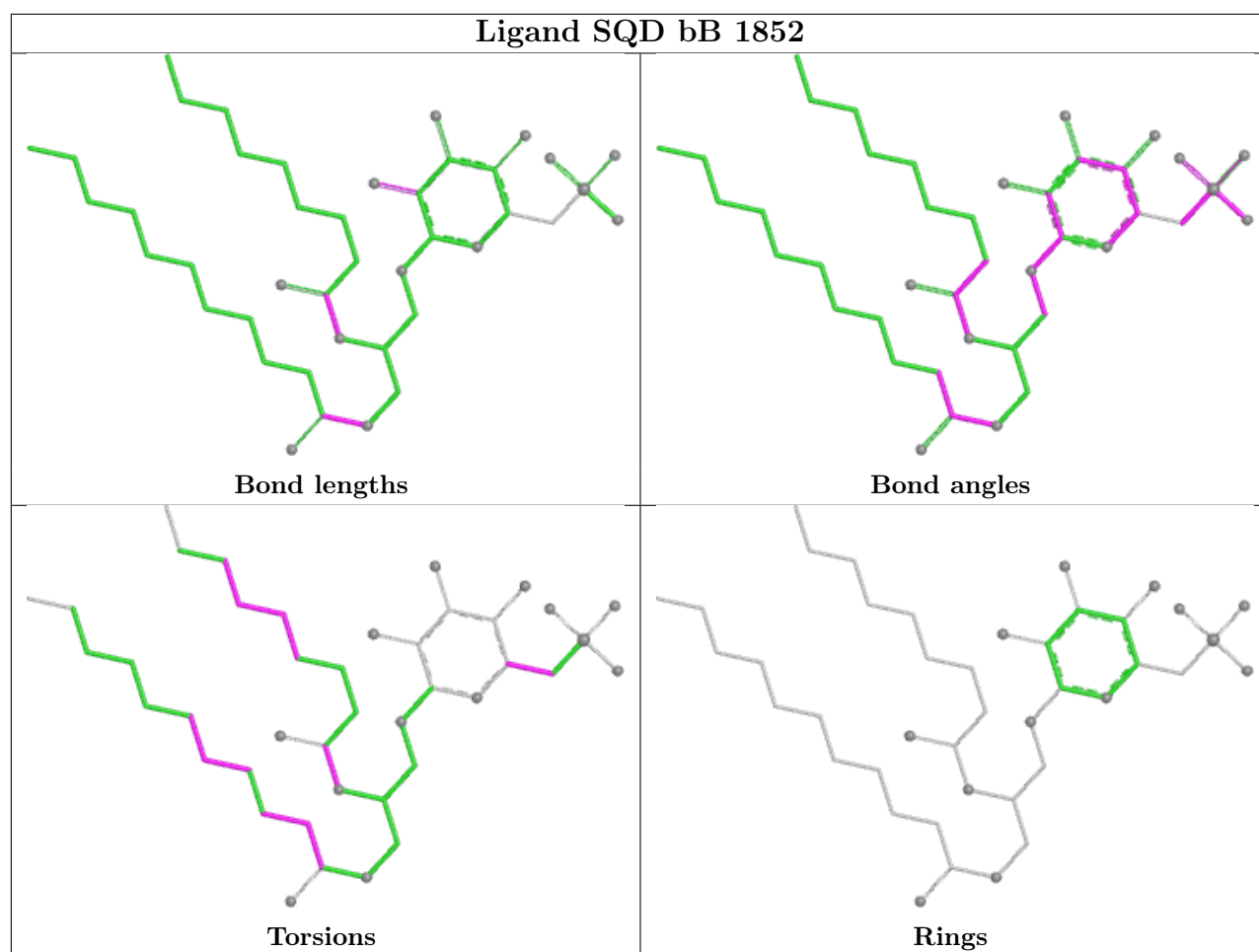


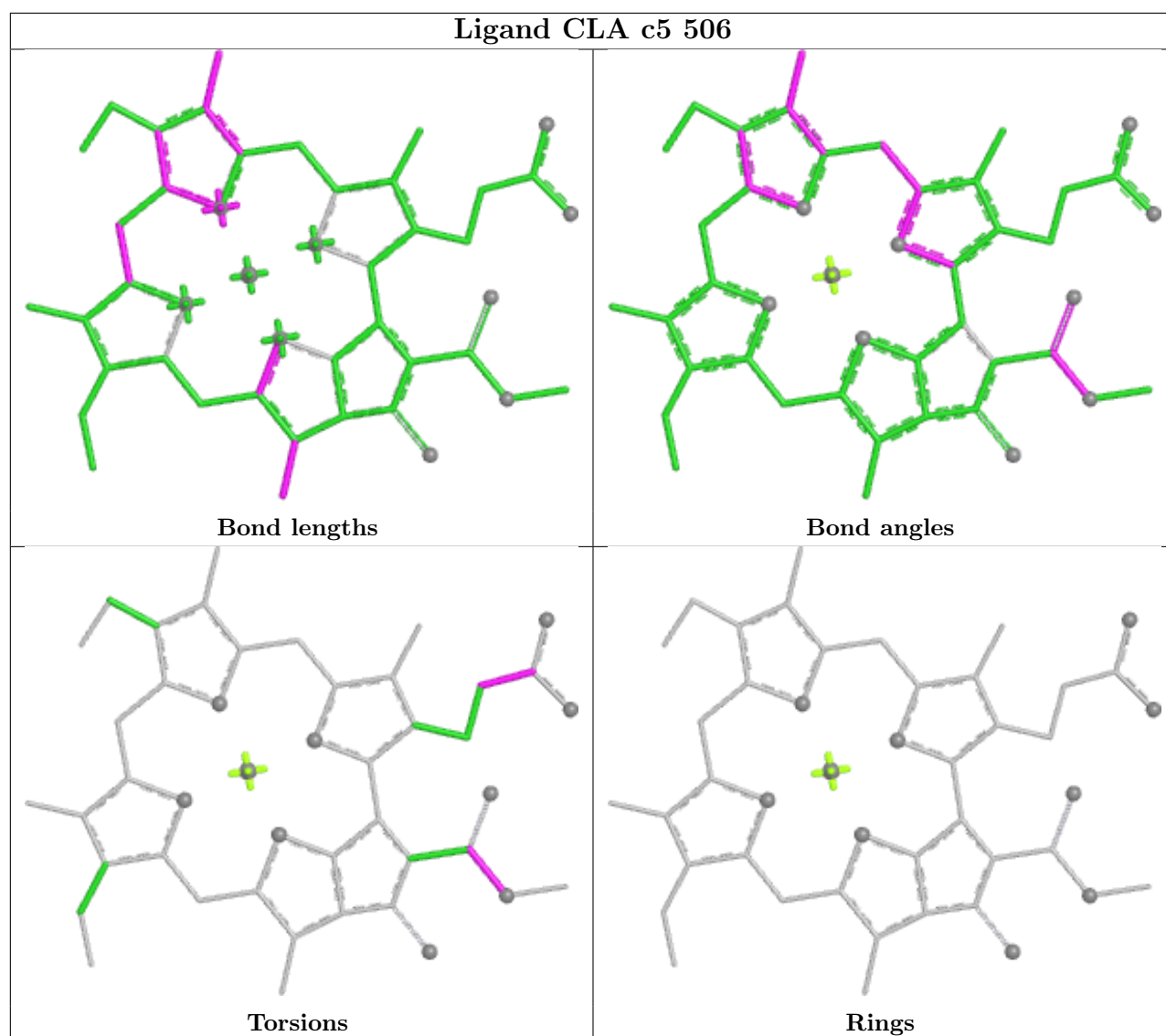
Torsions



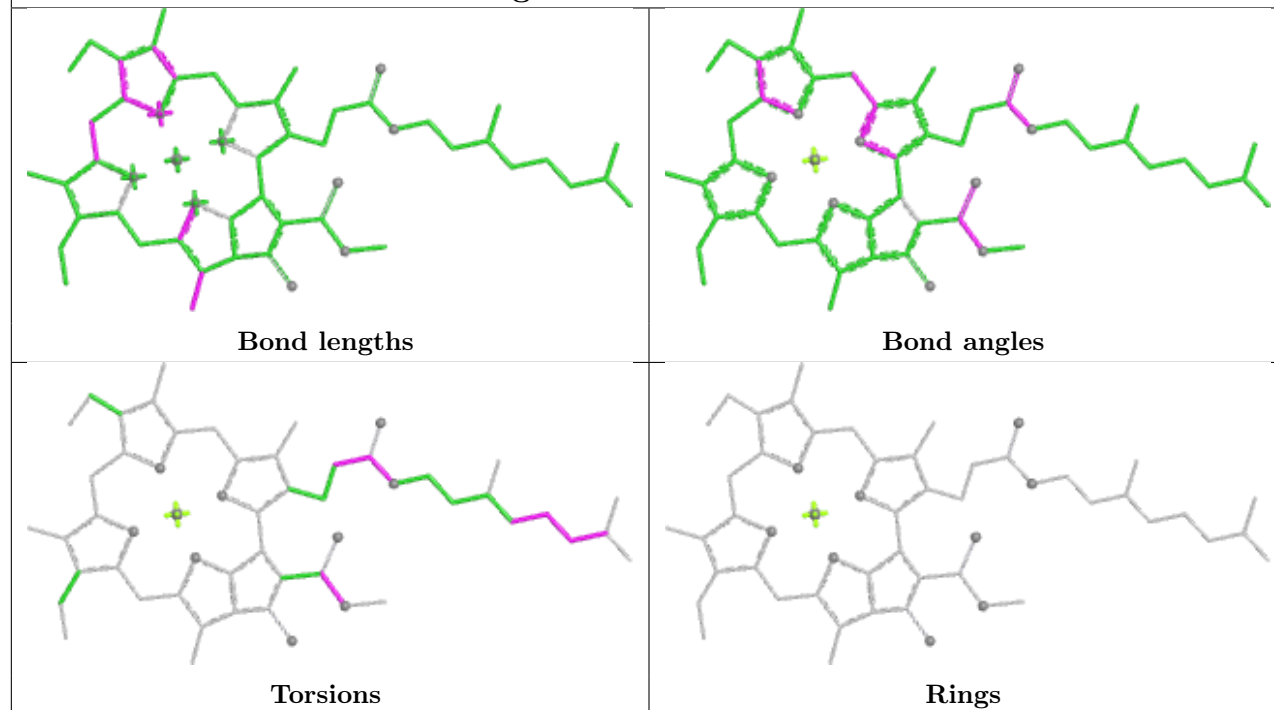
Rings



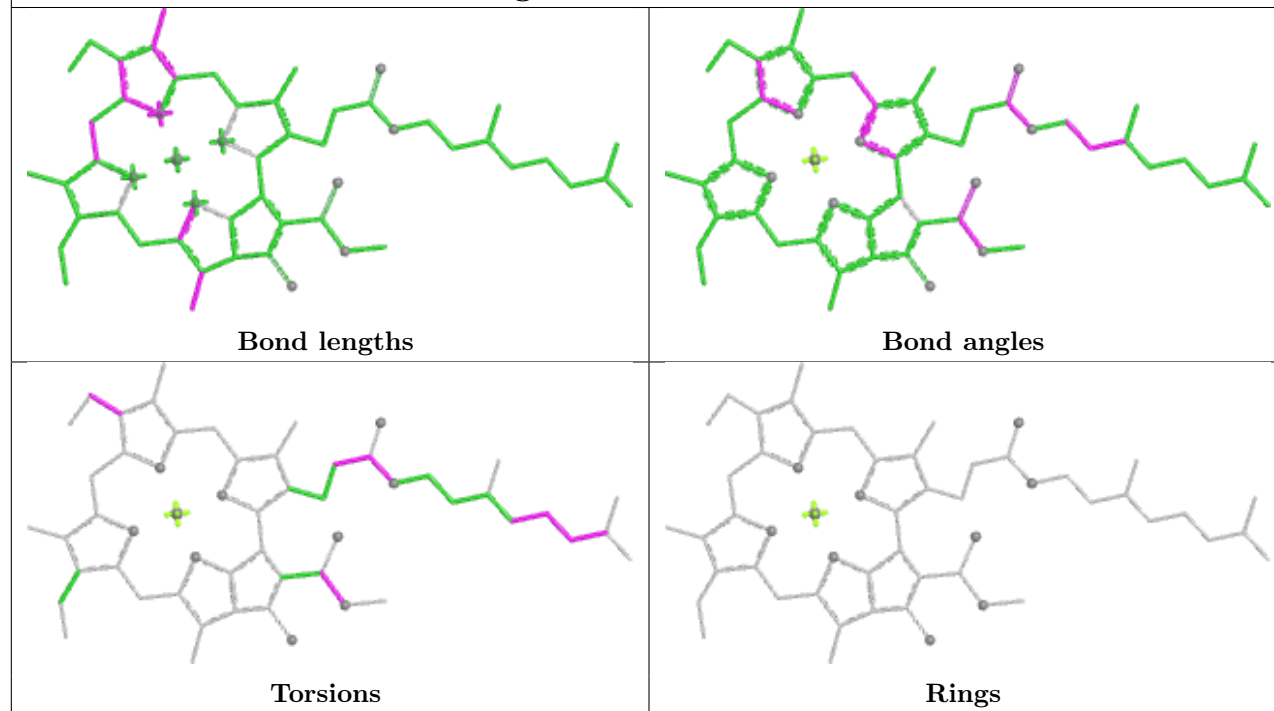




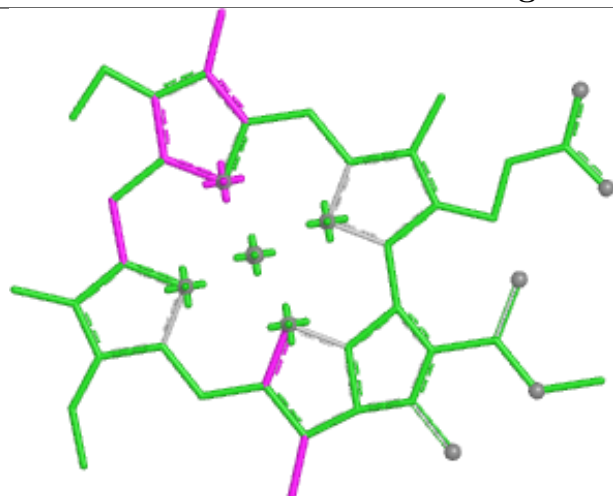
Ligand CLA bA 1107



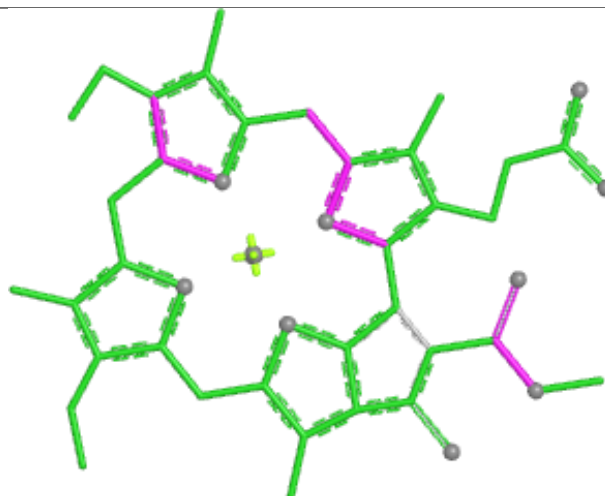
Ligand CLA aA 1107



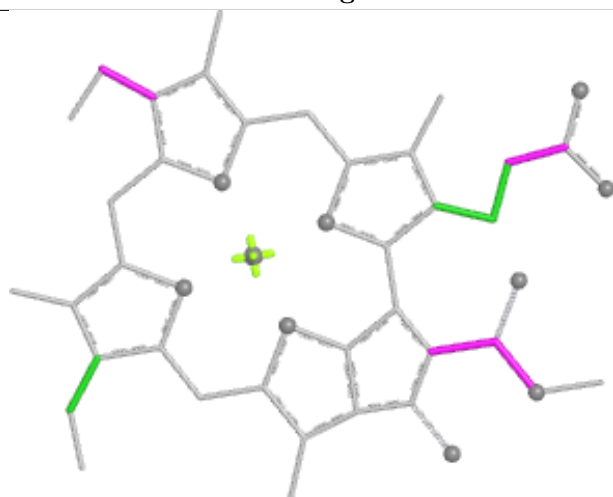
Ligand CLA a 517



Bond lengths



Bond angles

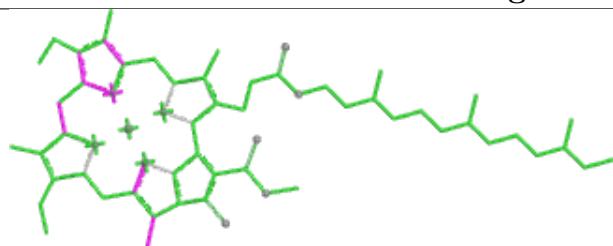


Torsions

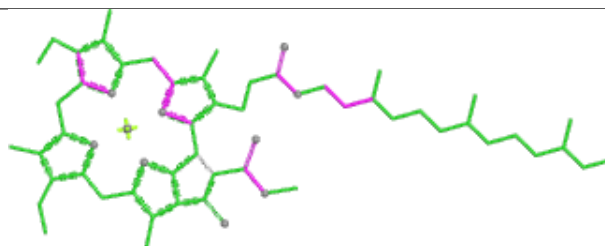


Rings

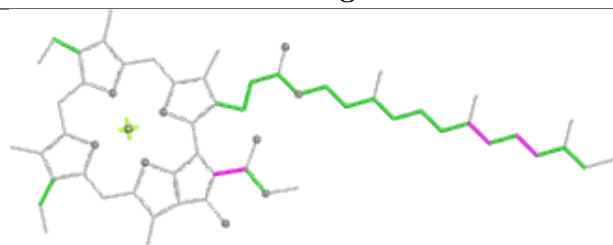
Ligand CLA b1 507



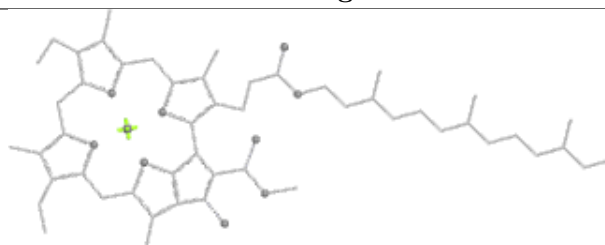
Bond lengths



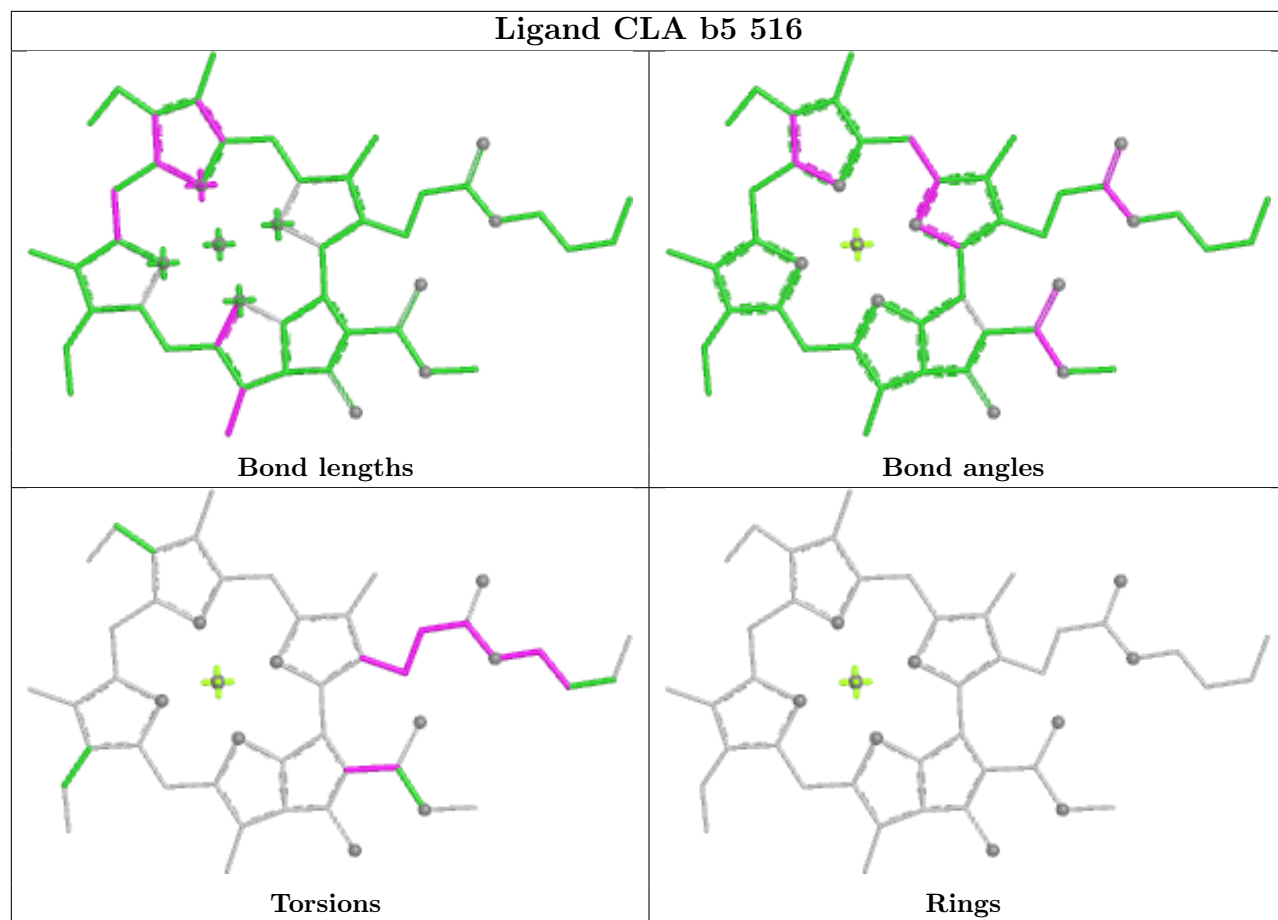
Bond angles



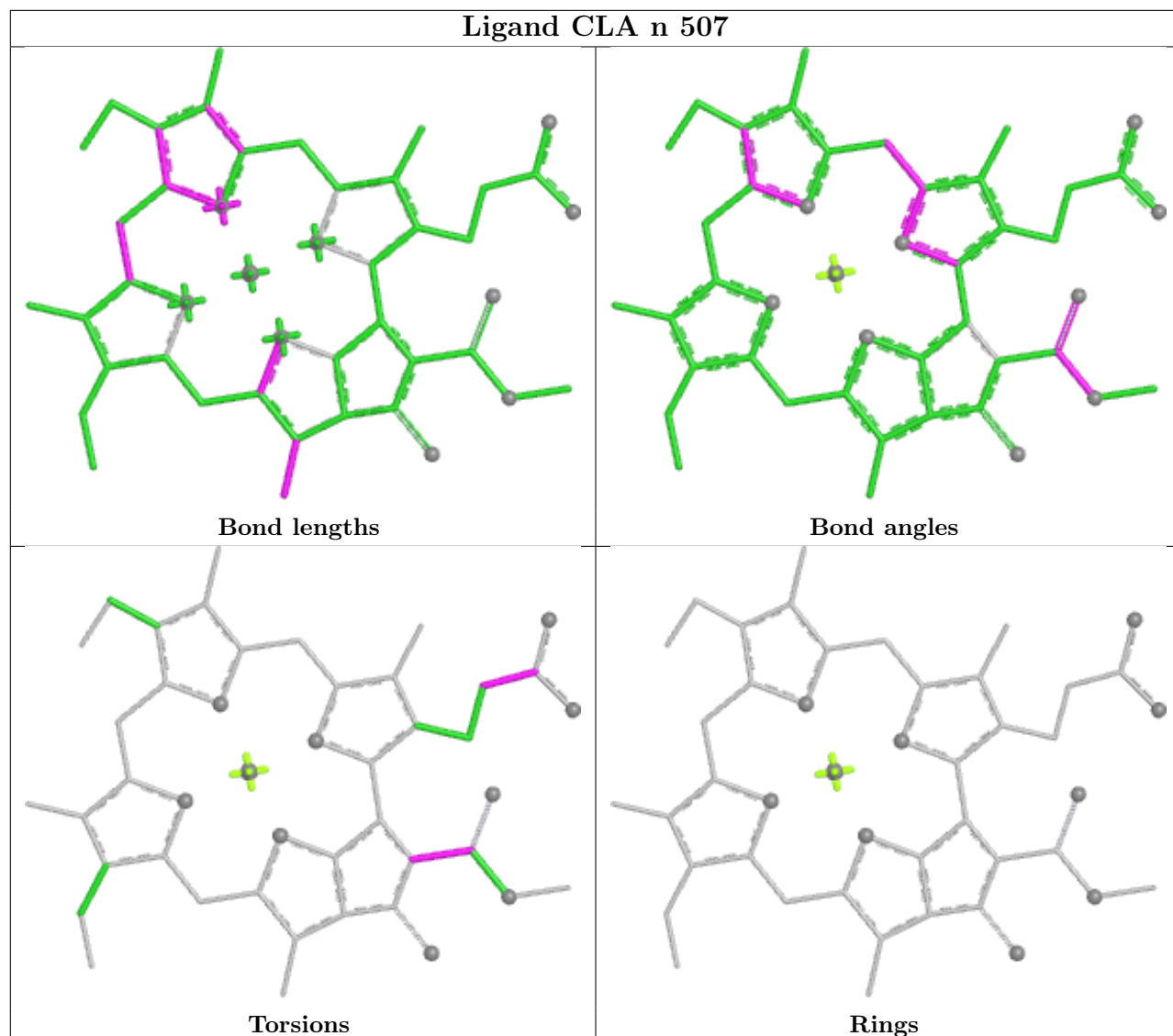
Torsions



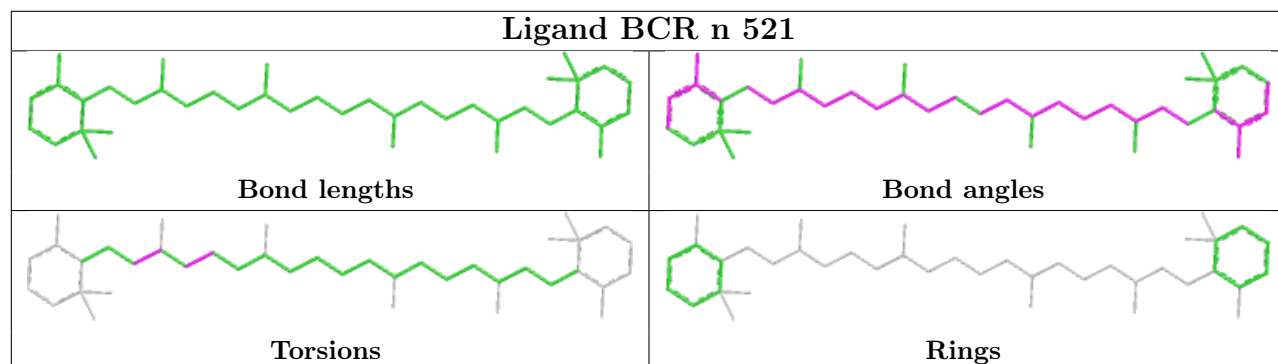
Rings



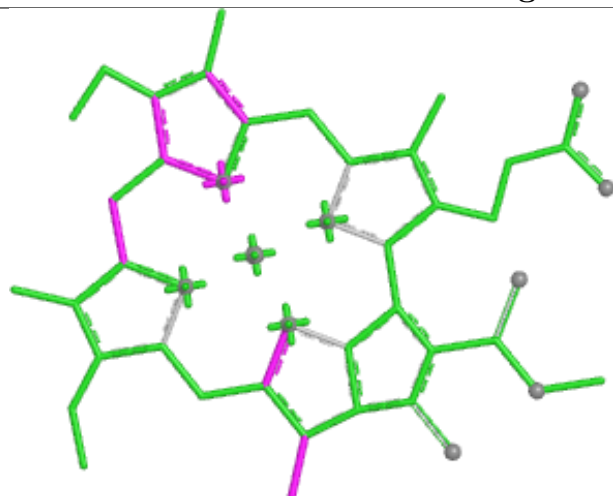
Ligand CLA n 507



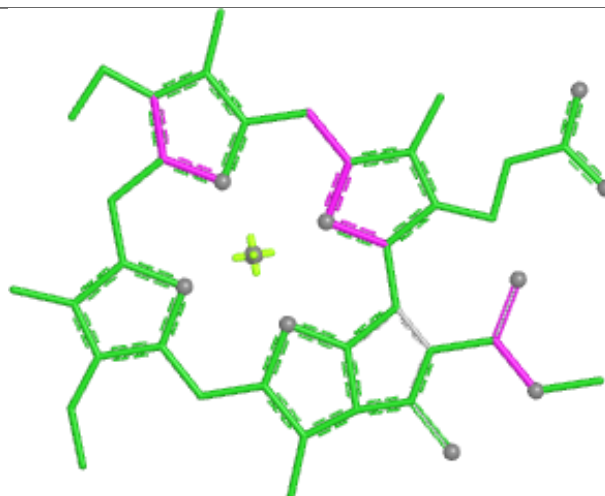
Ligand BCR n 521



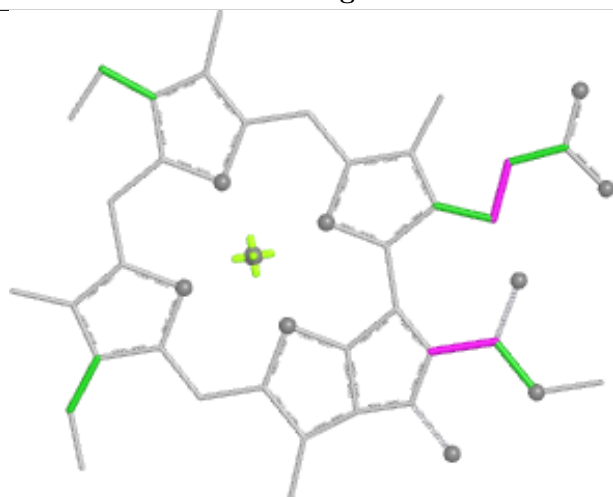
Ligand CLA o 505



Bond lengths



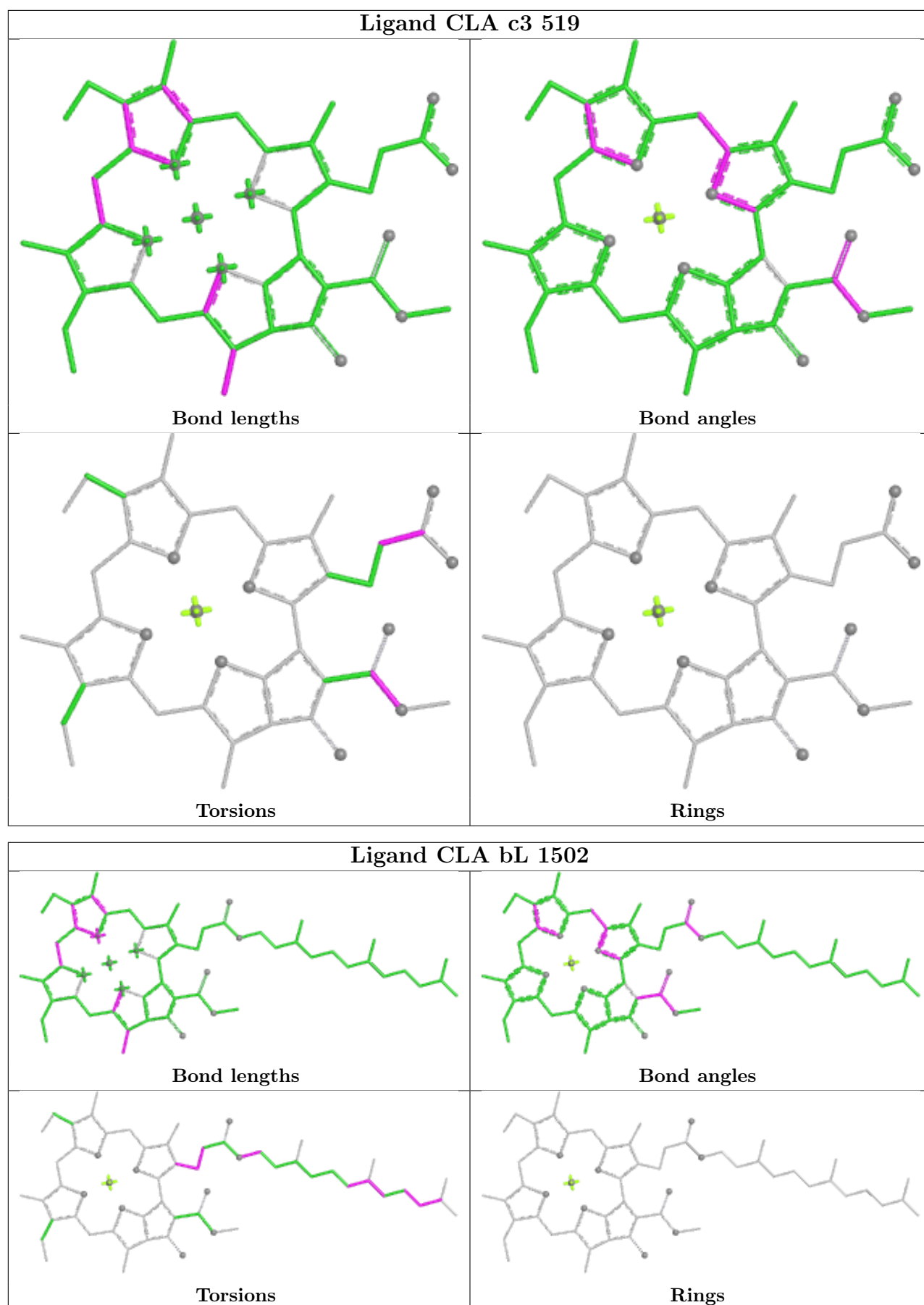
Bond angles

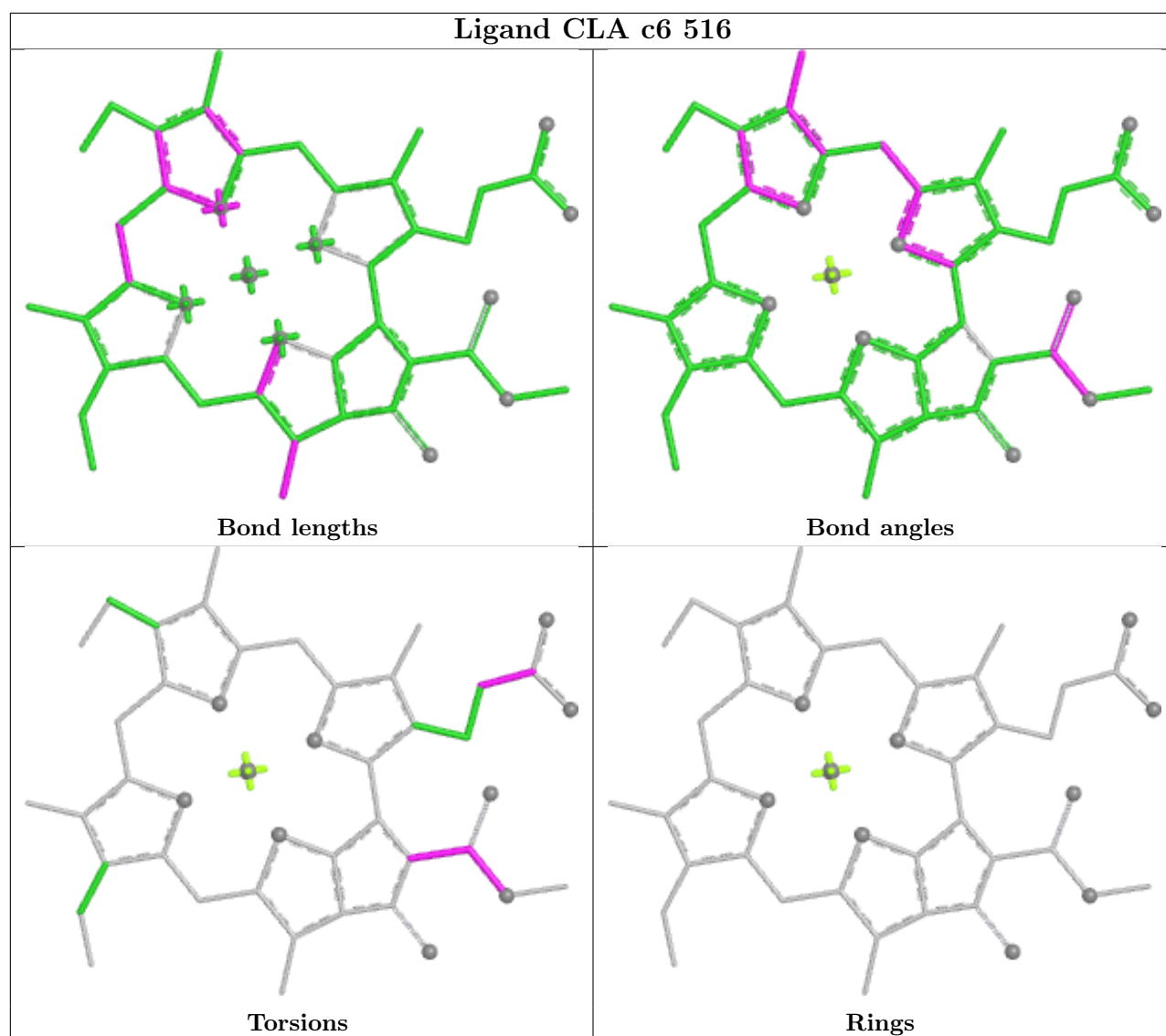


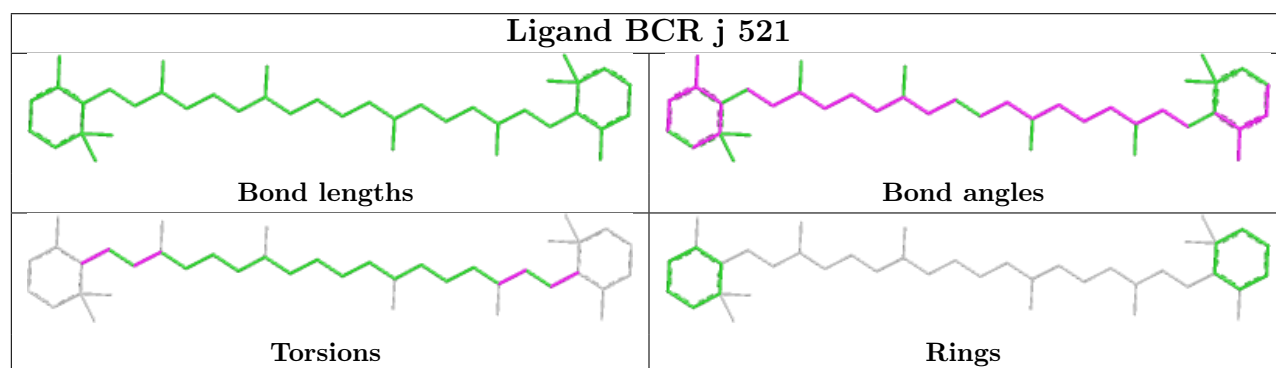
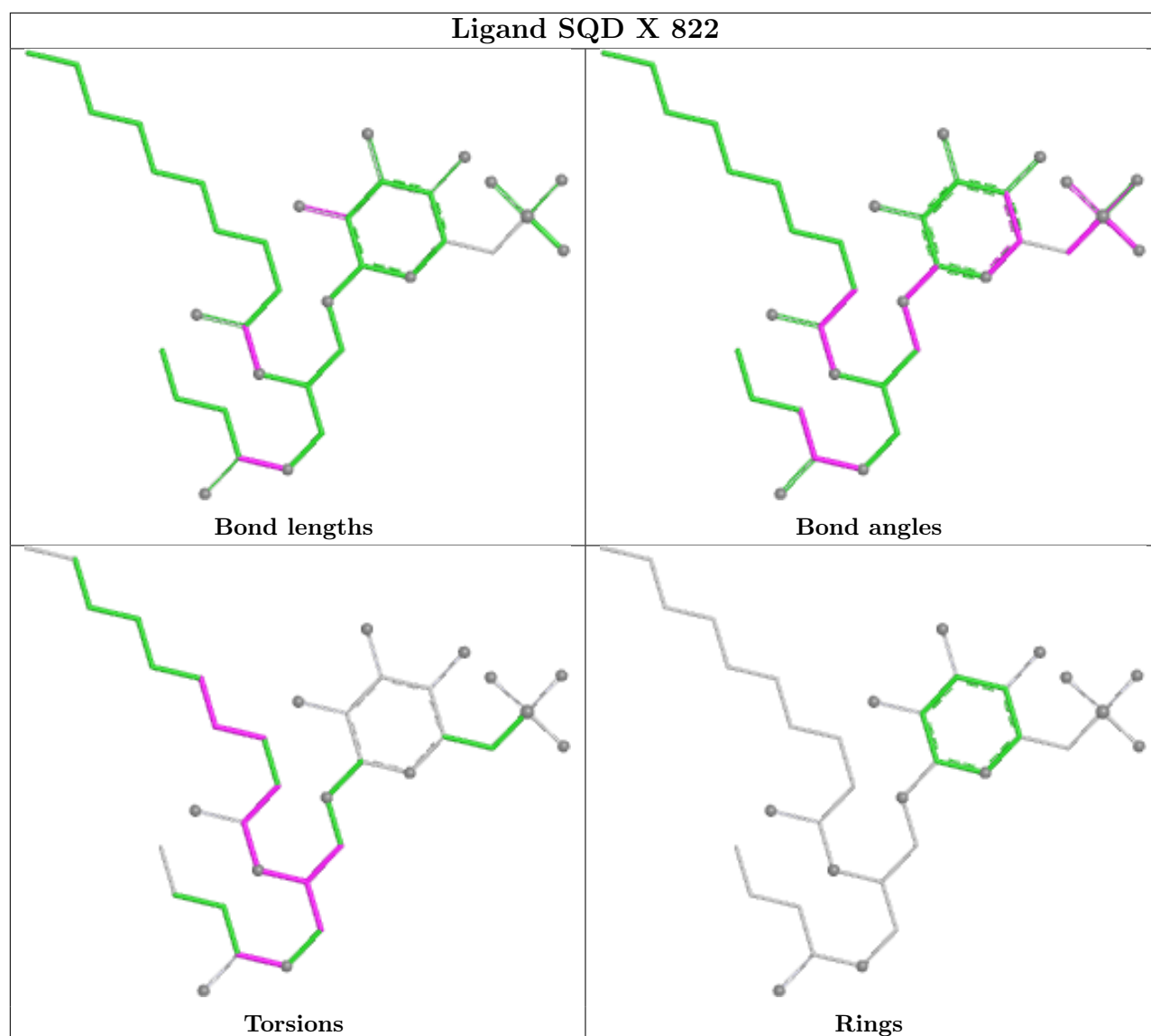
Torsions

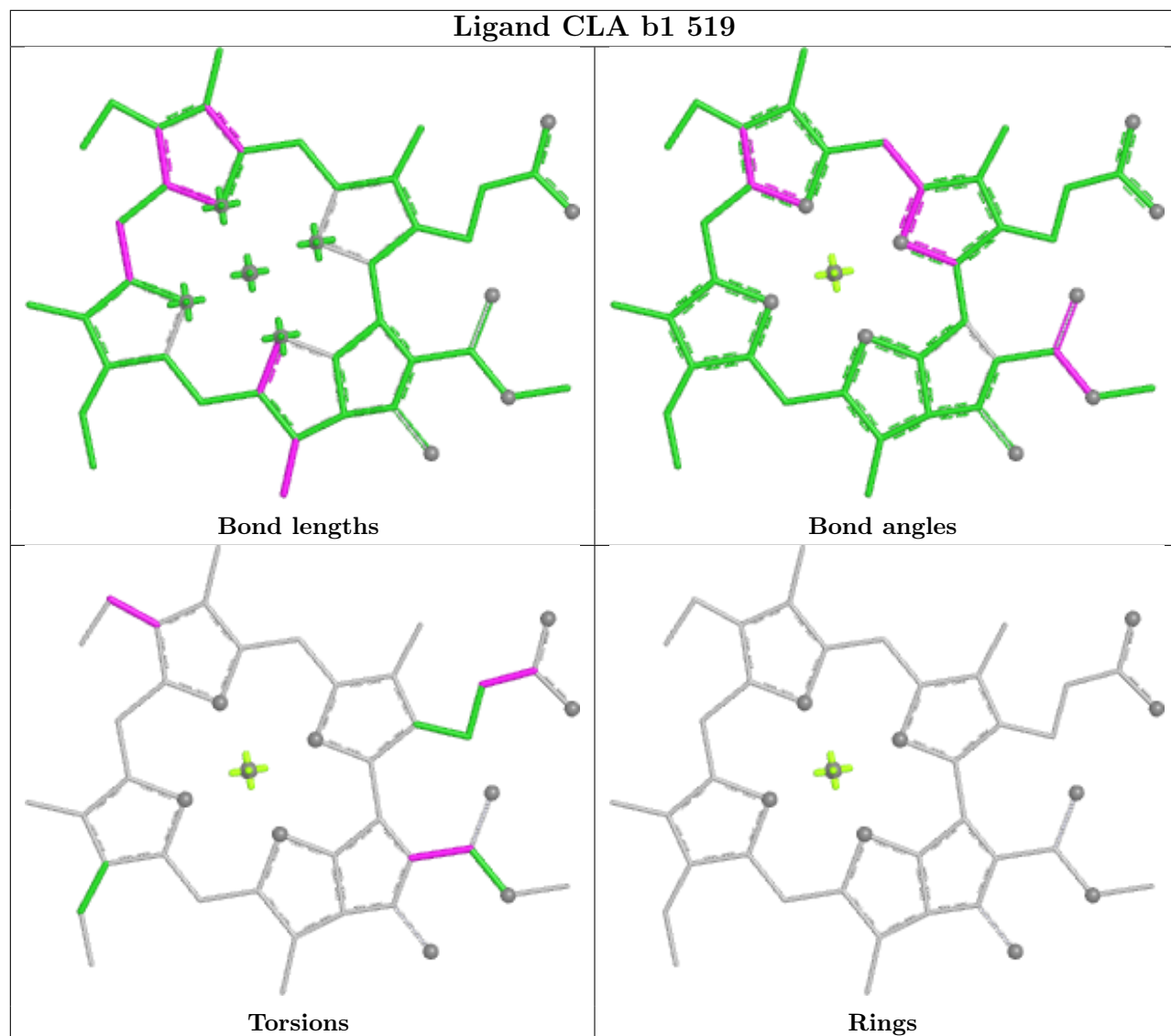


Rings

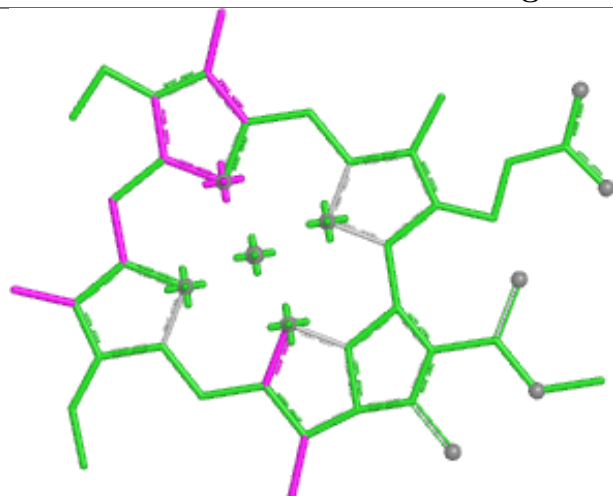








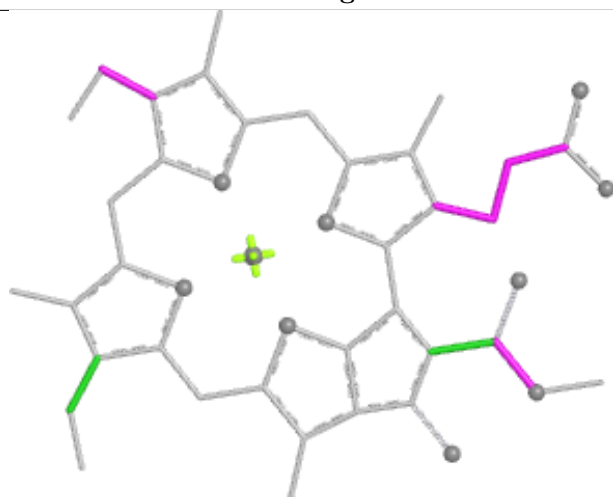
Ligand CLA f 501



Bond lengths



Bond angles

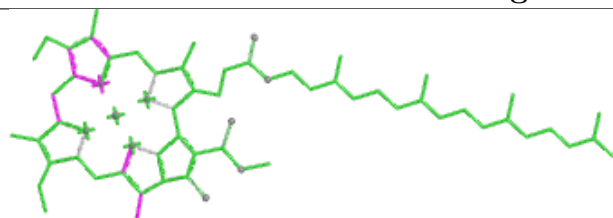


Torsions

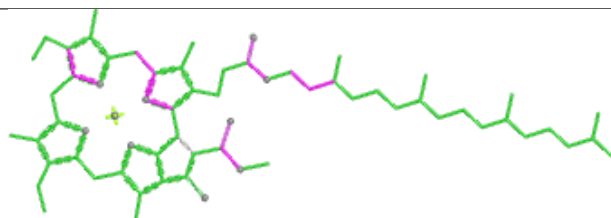


Rings

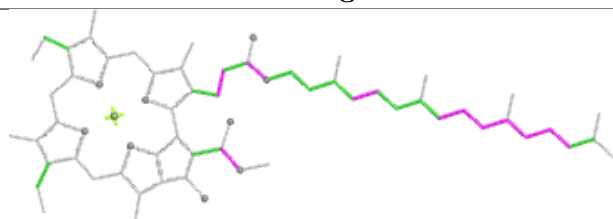
Ligand CLA c3 505



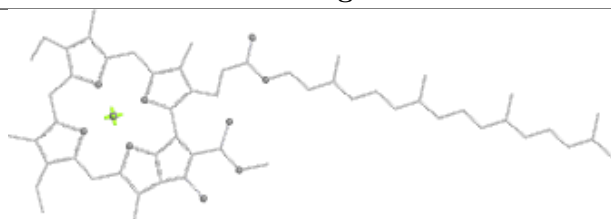
Bond lengths



Bond angles

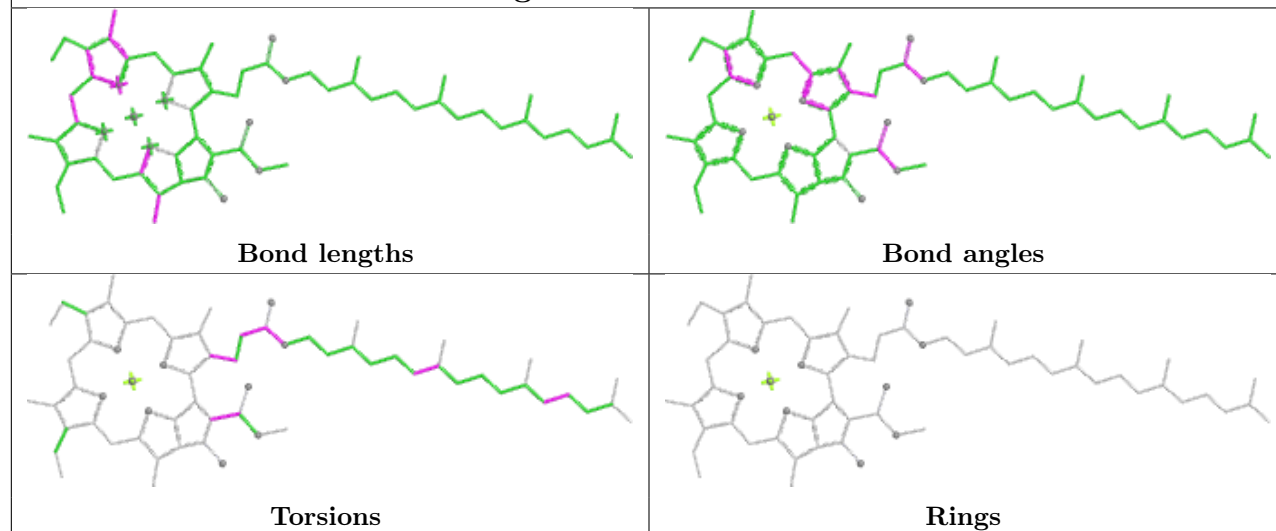


Torsions

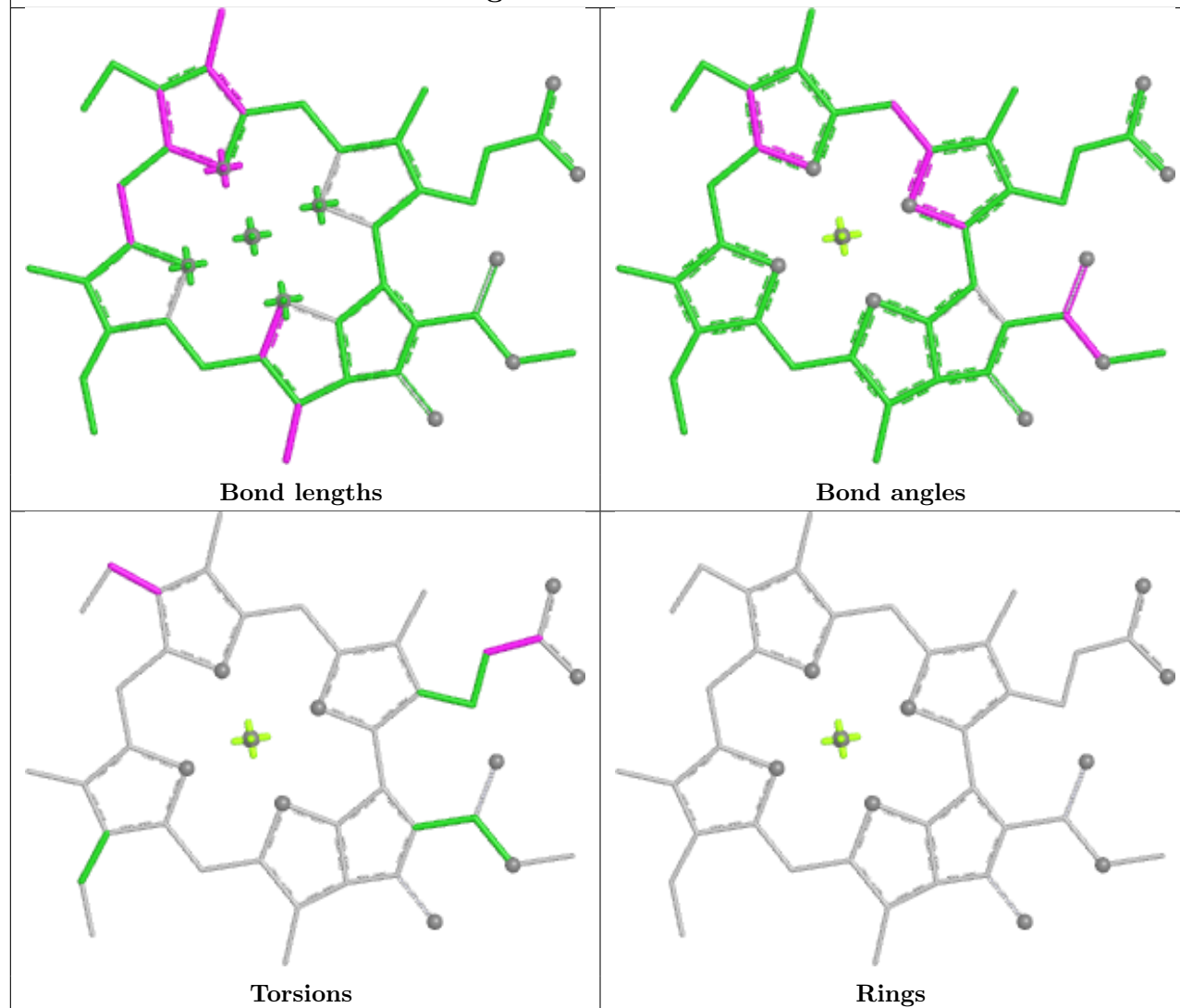


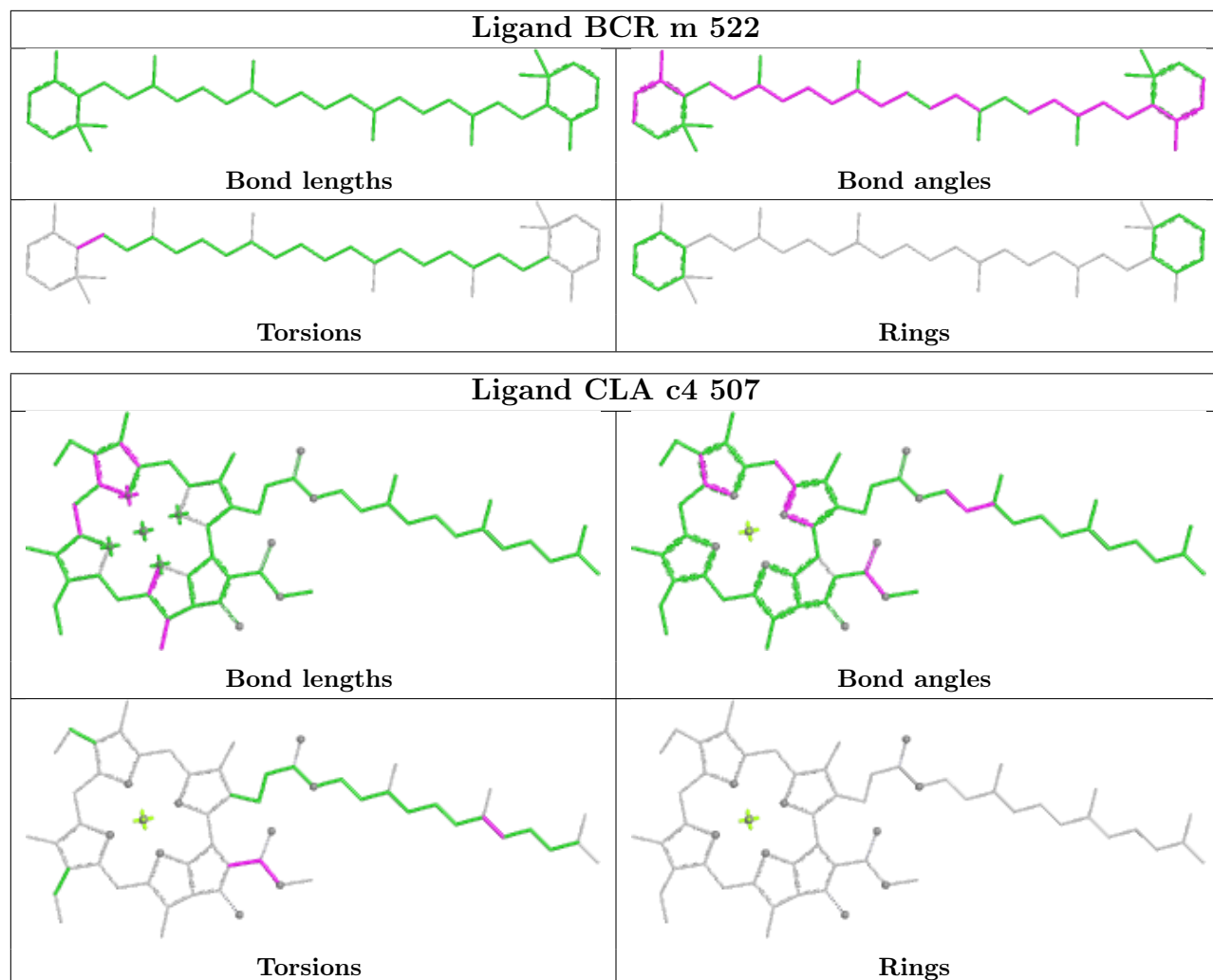
Rings

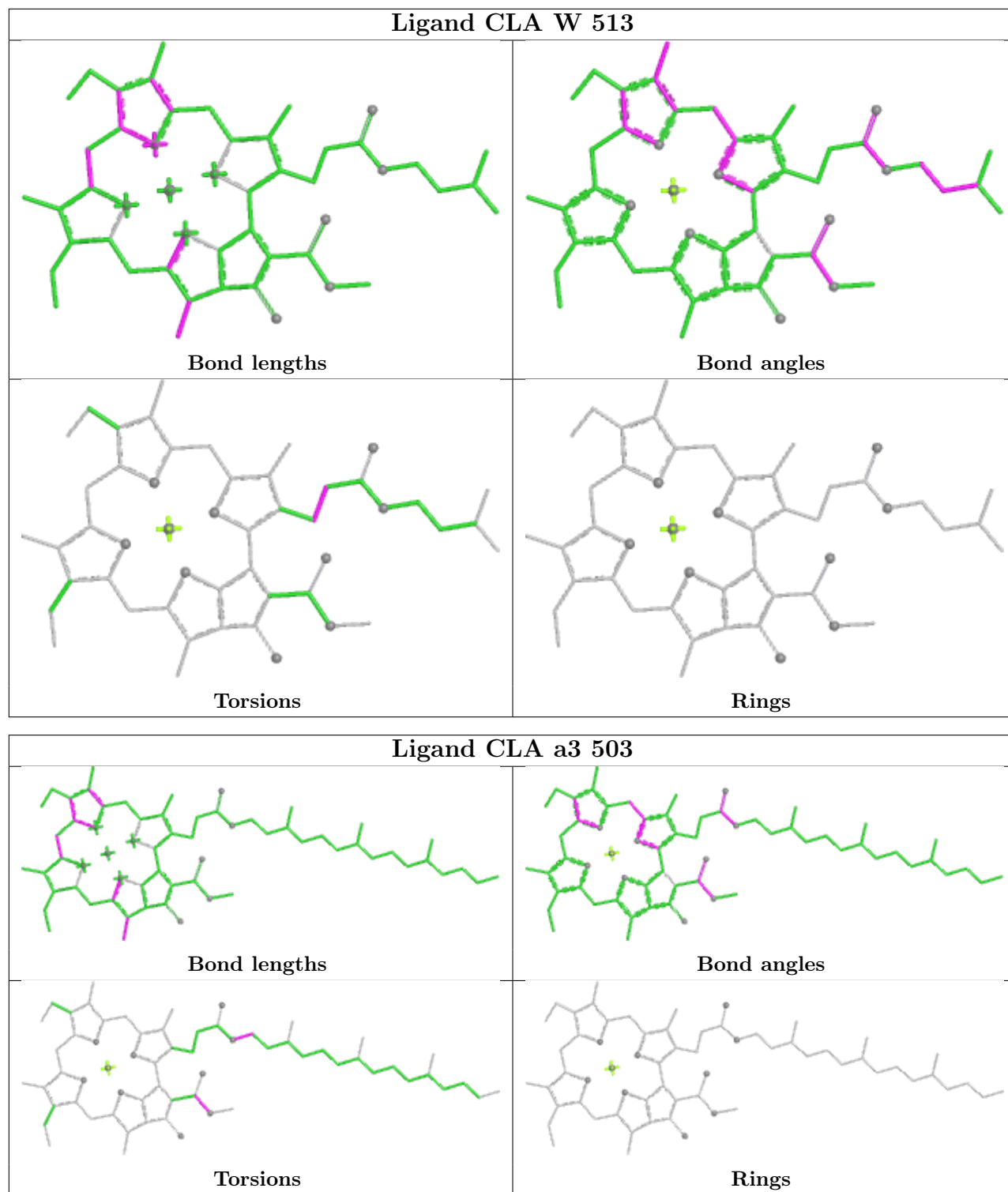
Ligand CLA aA 1102

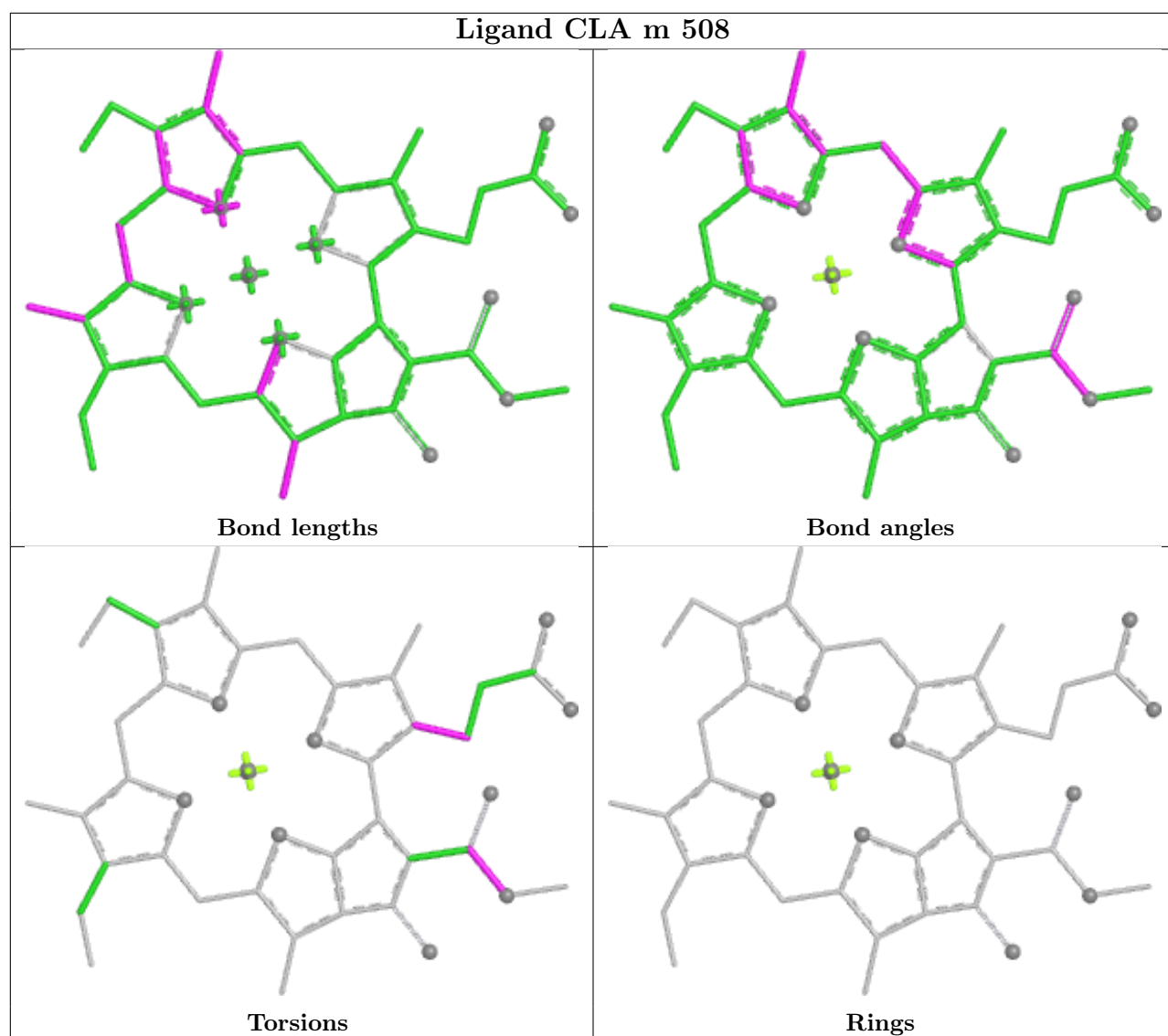


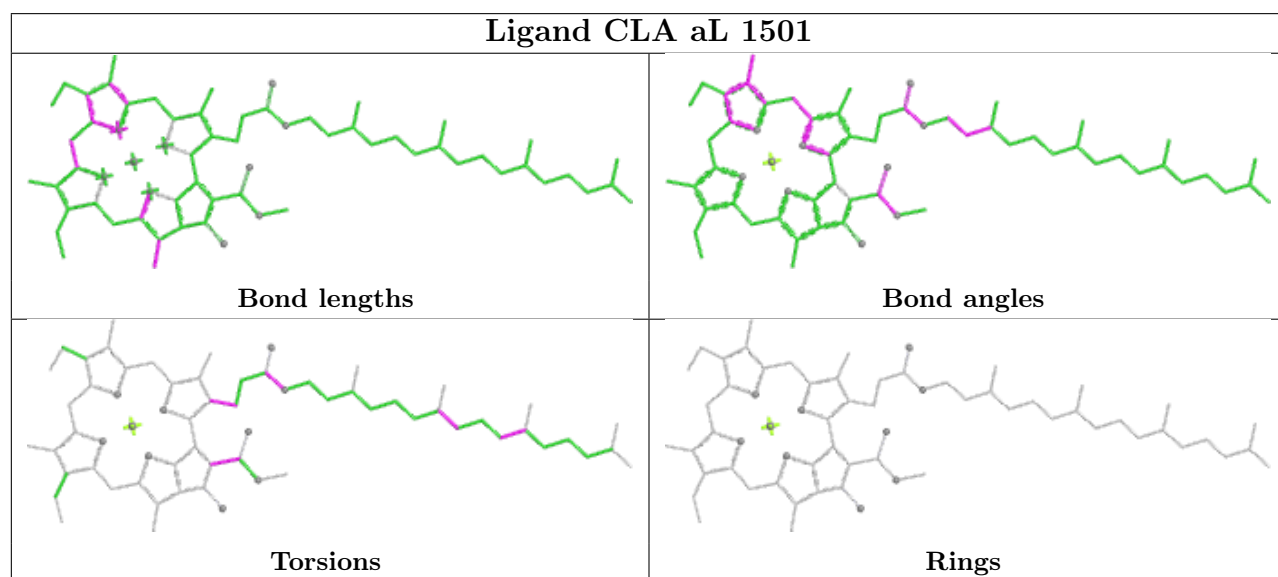
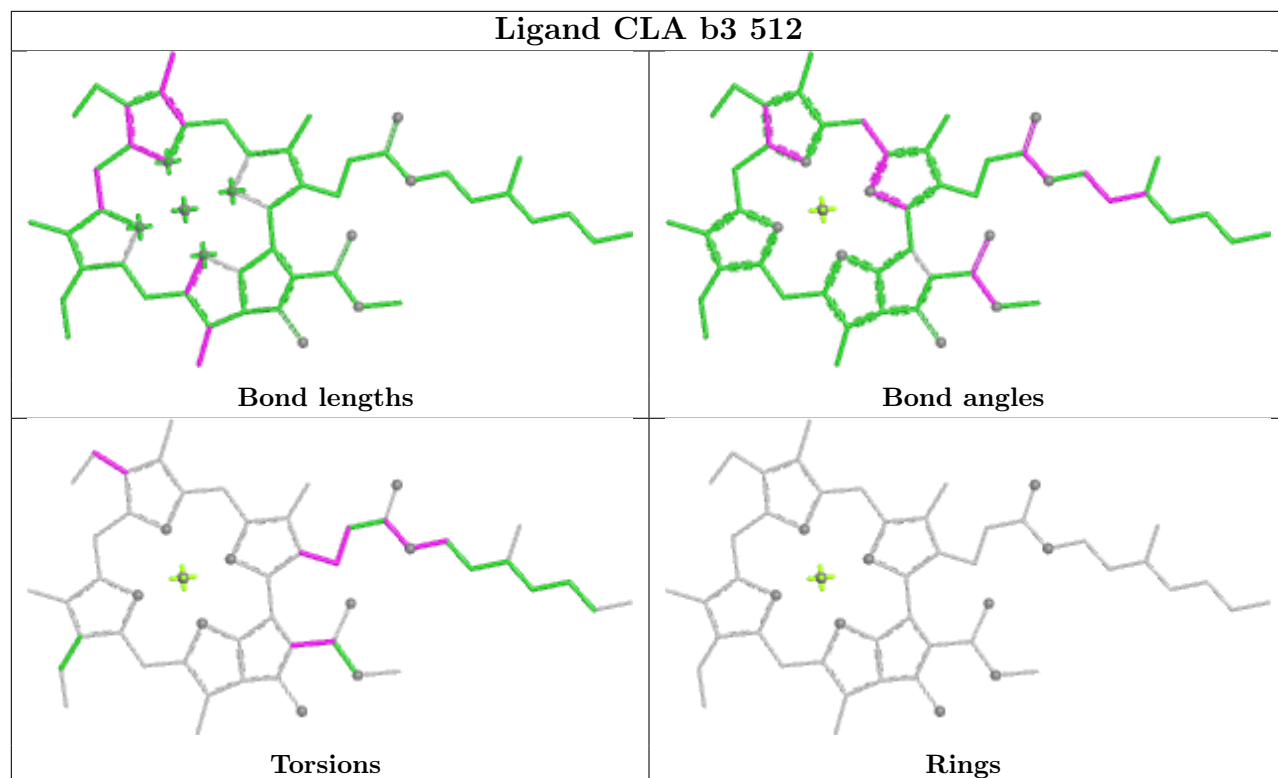
Ligand CLA b6 517



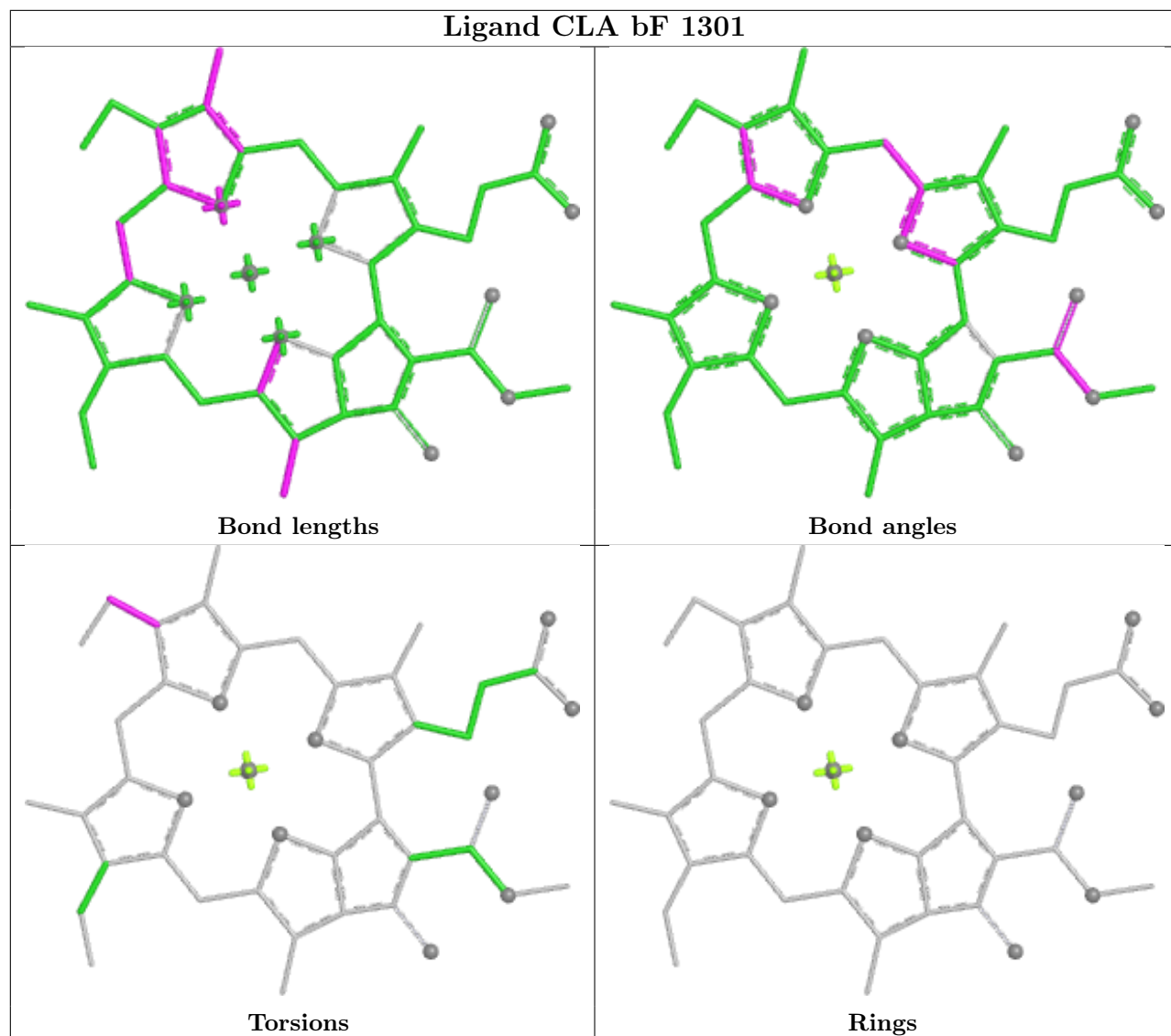




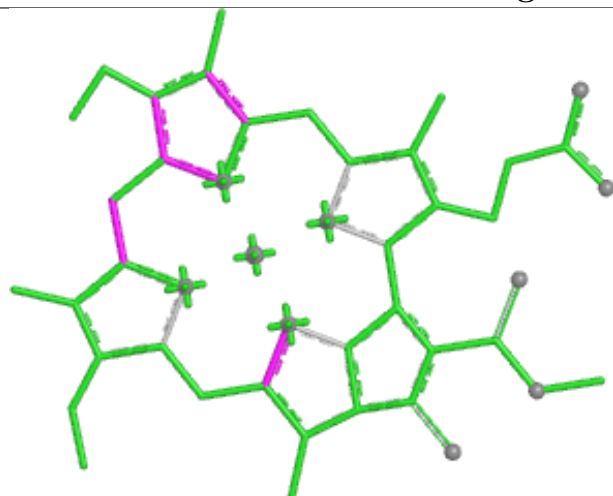




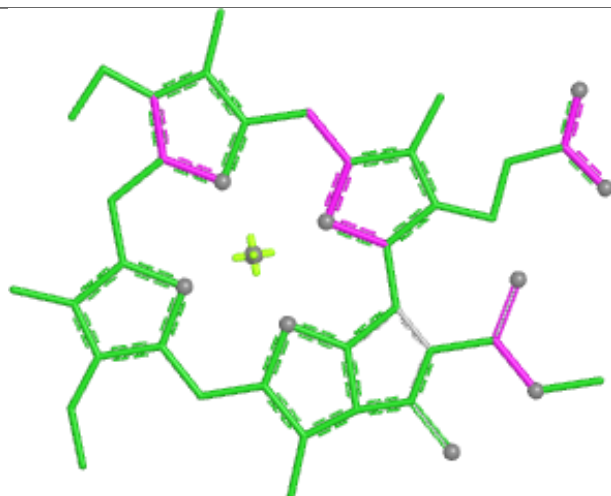
Ligand CLA bF 1301



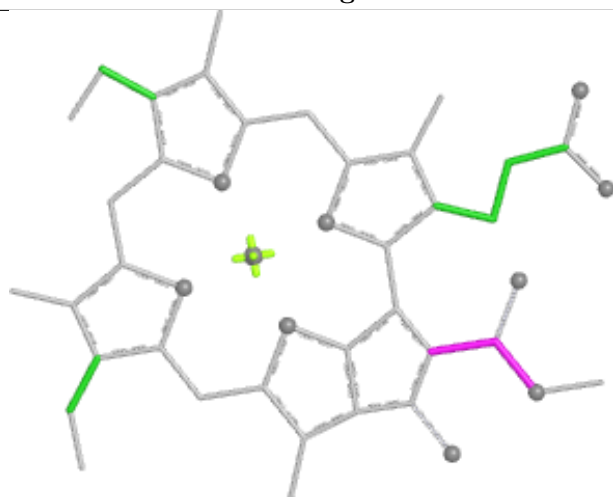
Ligand CLA h 516



Bond lengths



Bond angles

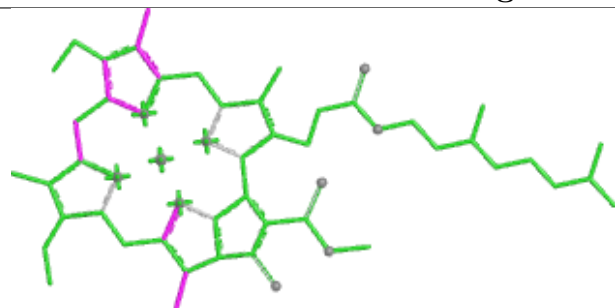


Torsions

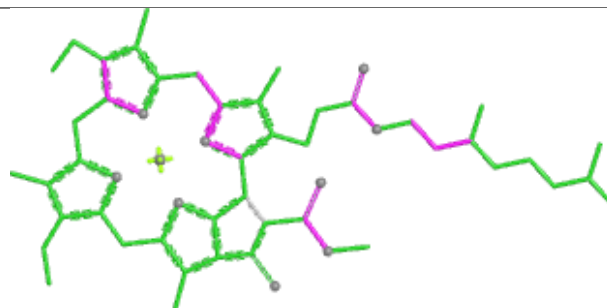


Rings

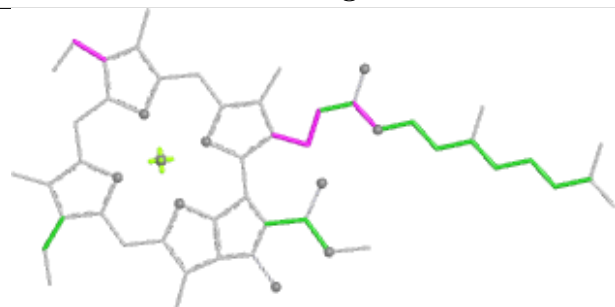
Ligand CLA bA 1134



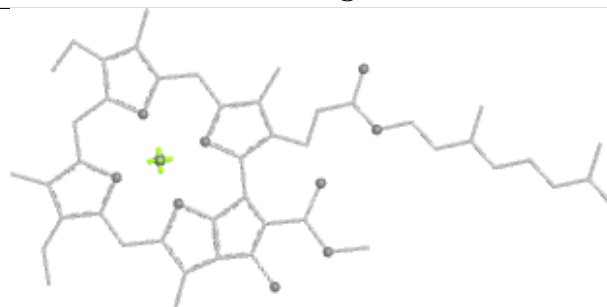
Bond lengths



Bond angles

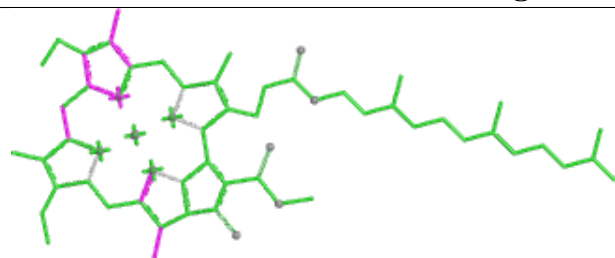


Torsions

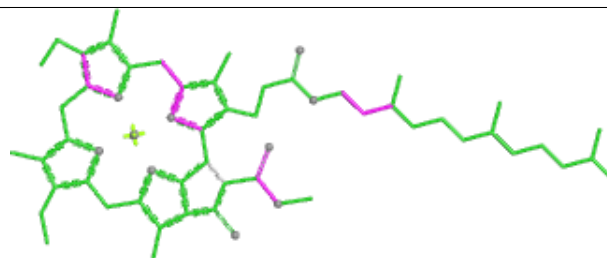


Rings

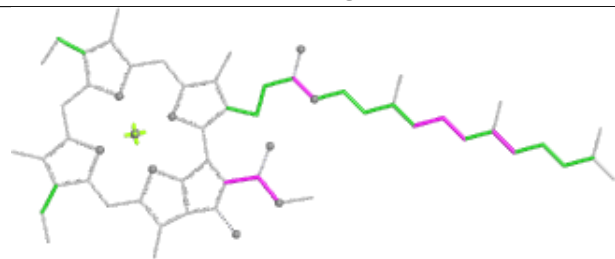
Ligand CLA c2 502



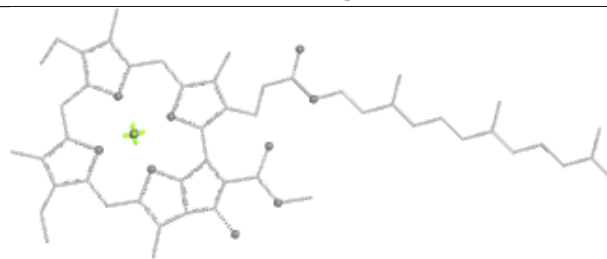
Bond lengths



Bond angles

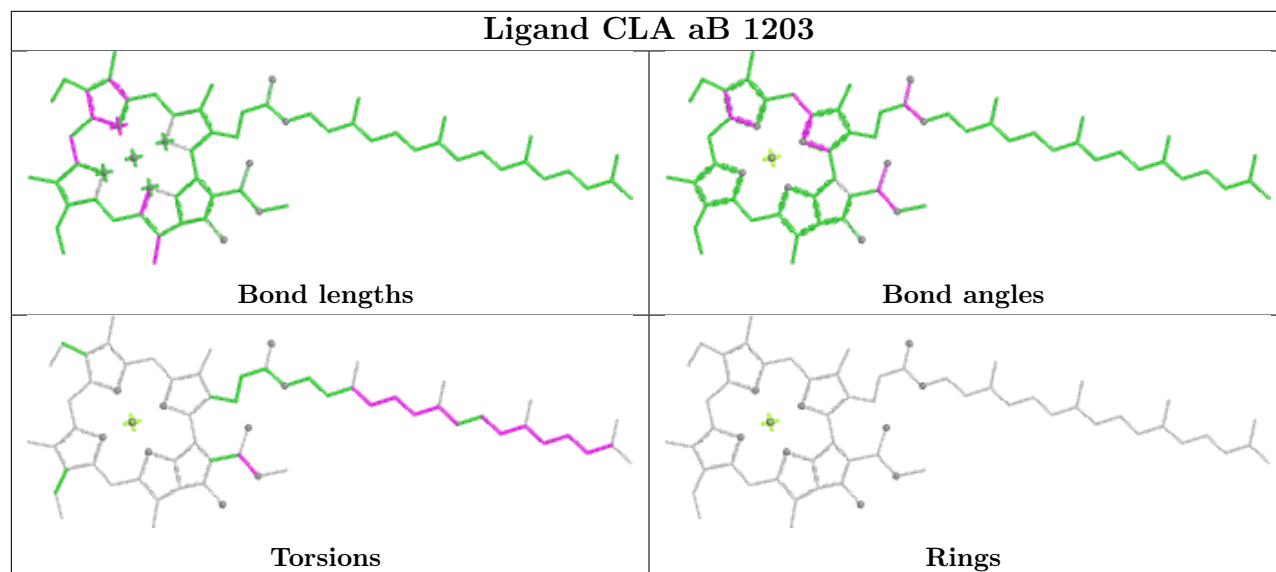


Torsions

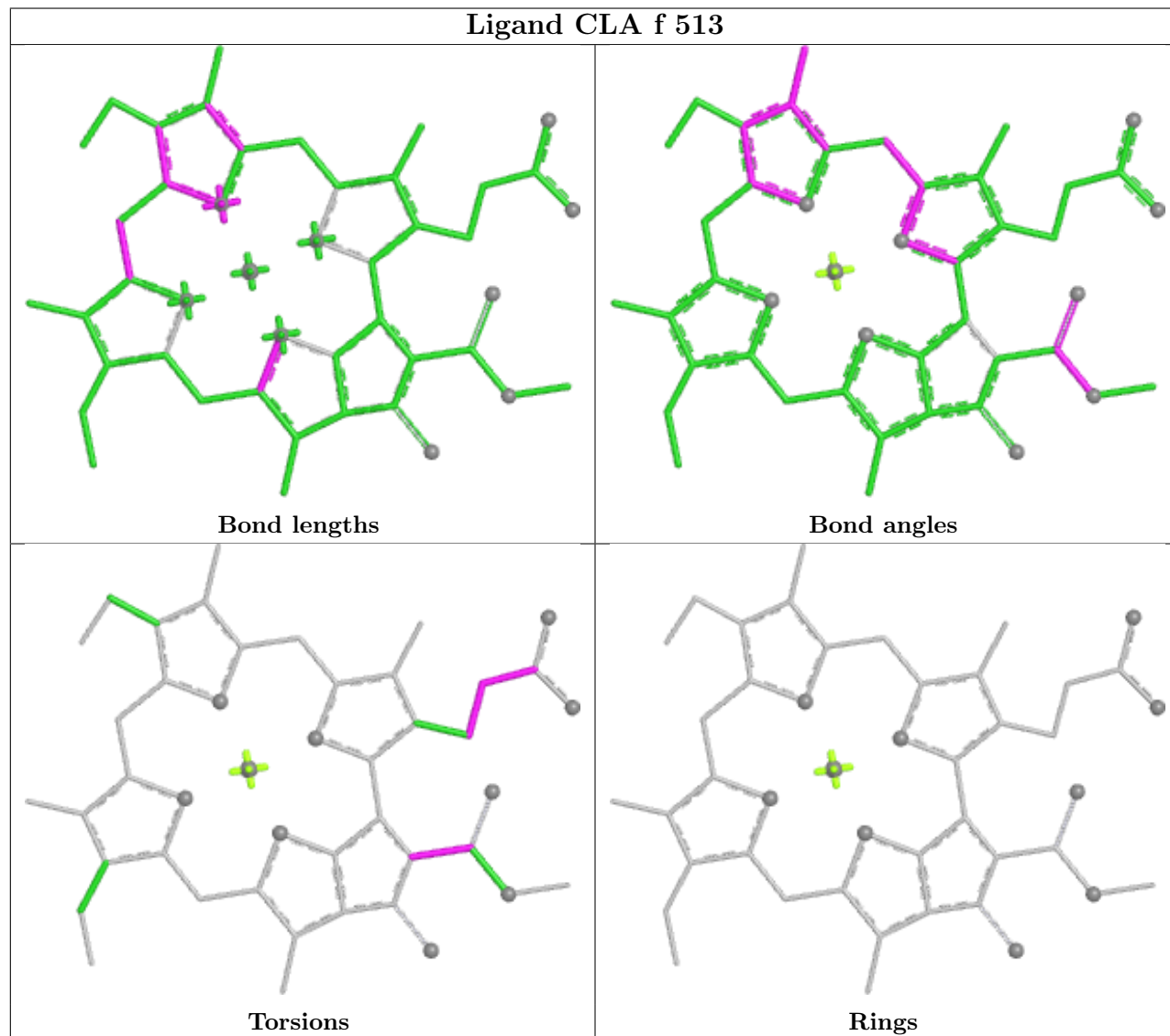


Rings

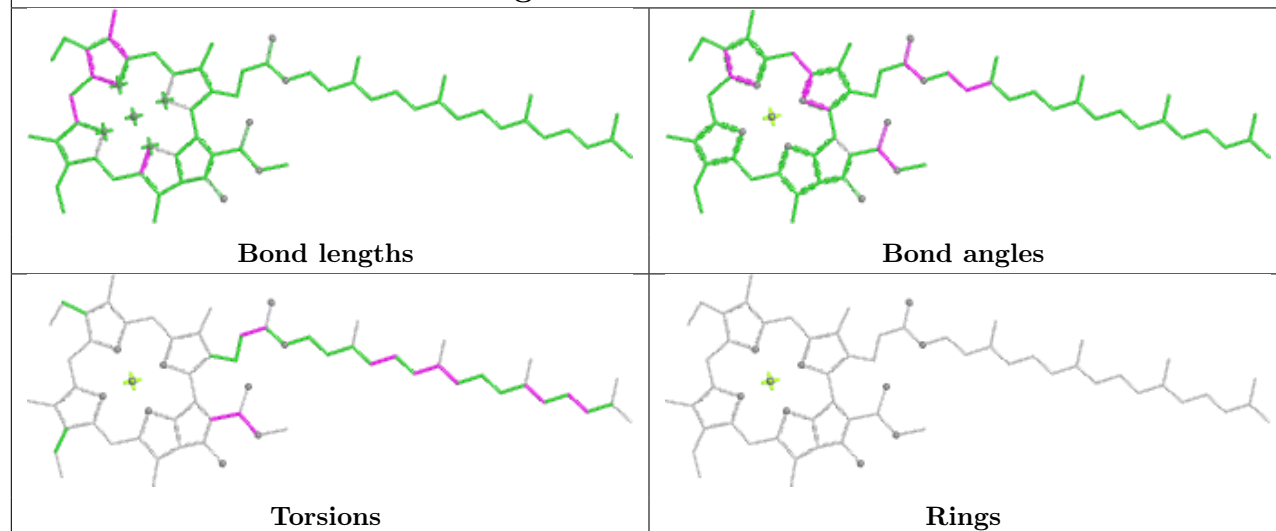
Ligand CLA aB 1203



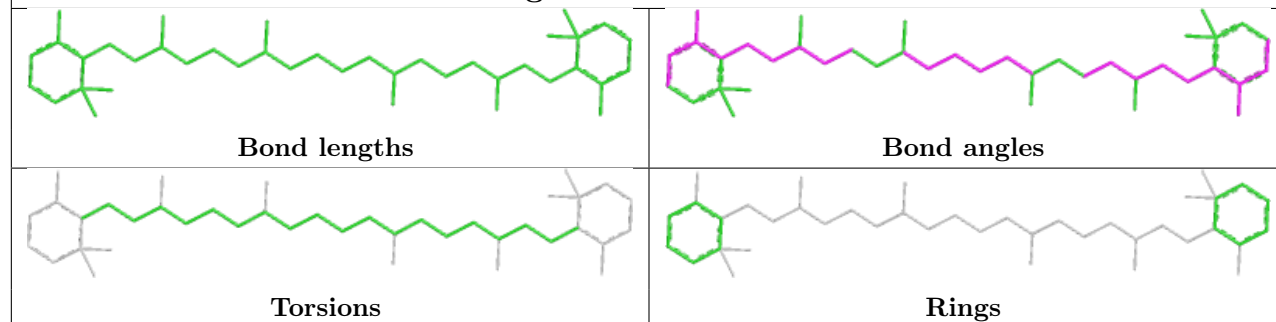
Ligand CLA f 513



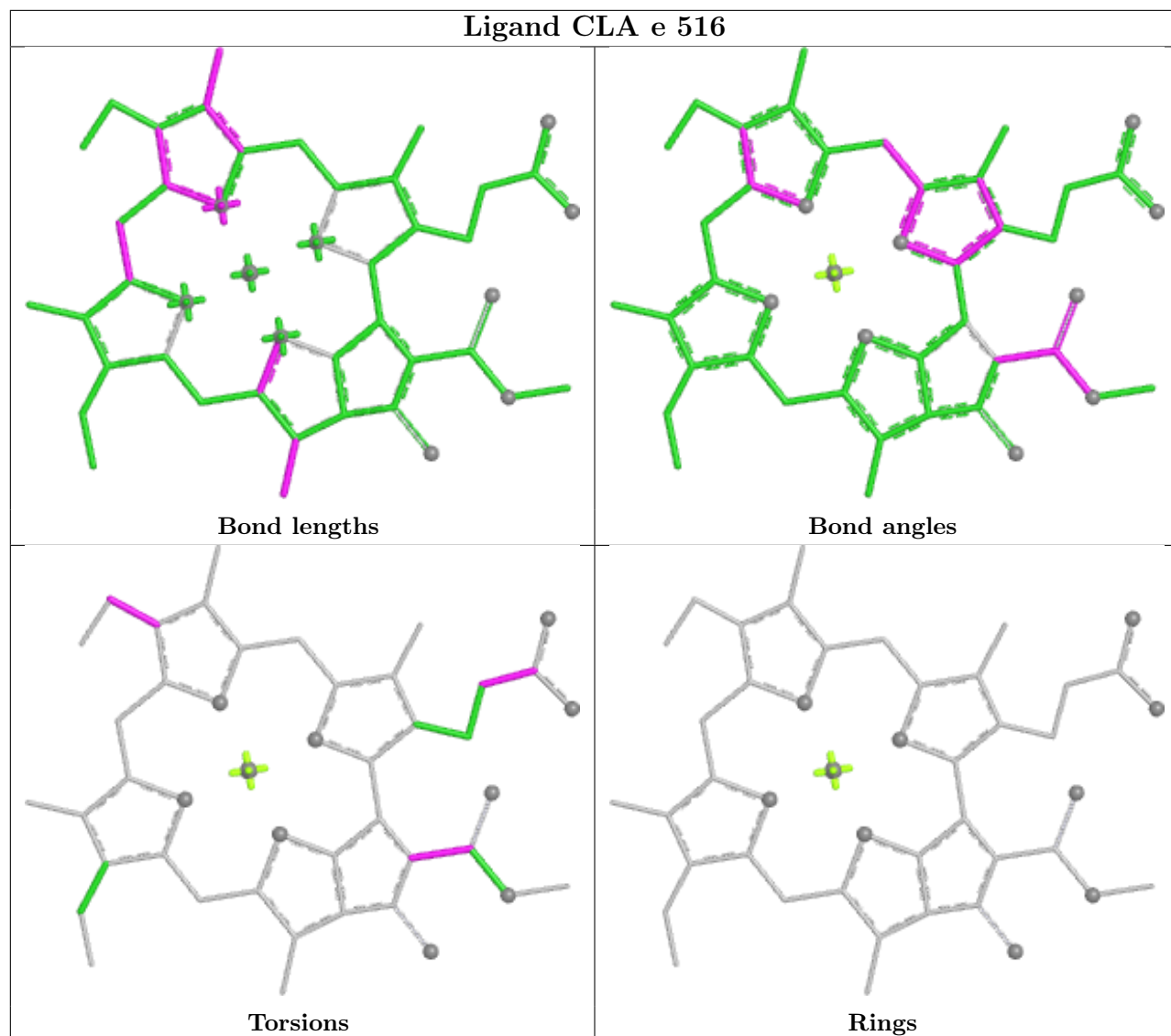
Ligand CLA aB 1229



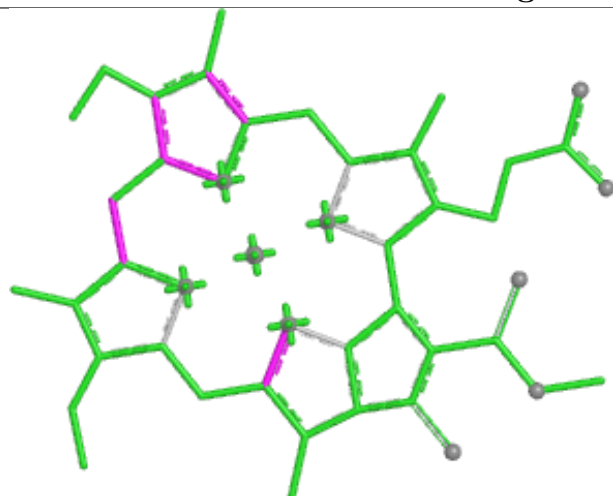
Ligand BCR a5 524



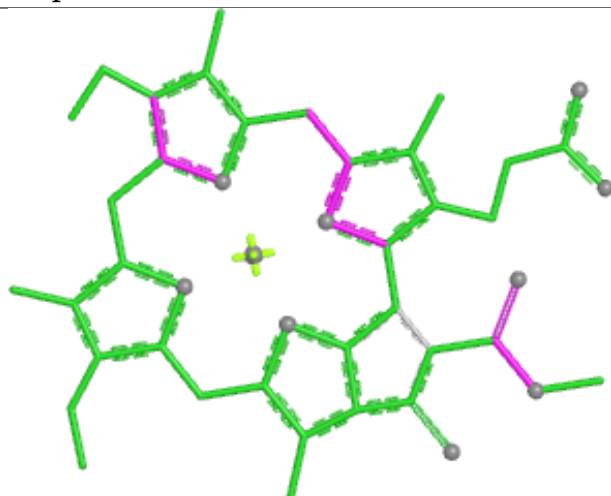
Ligand CLA e 516



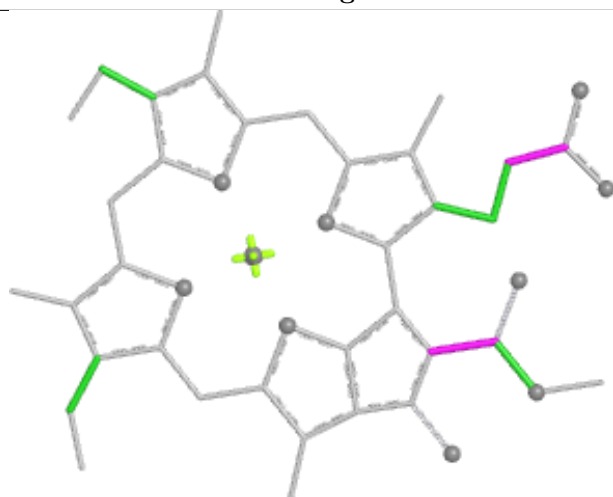
Ligand CLA p 507



Bond lengths



Bond angles

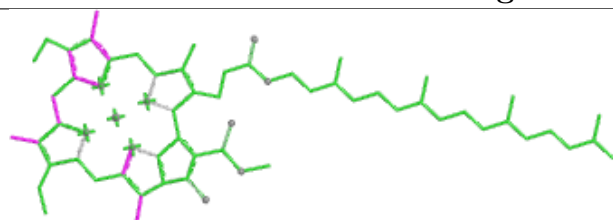


Torsions

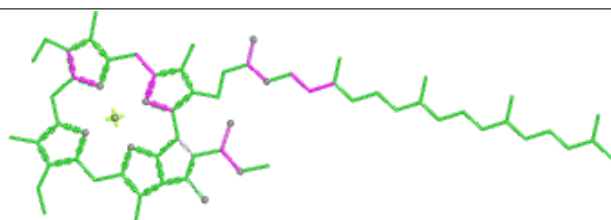


Rings

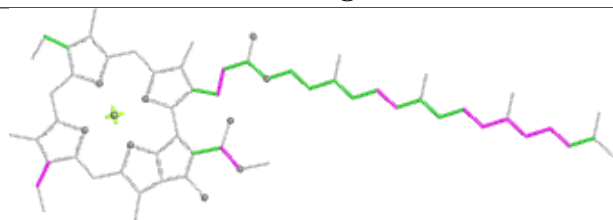
Ligand CLA aB 1023



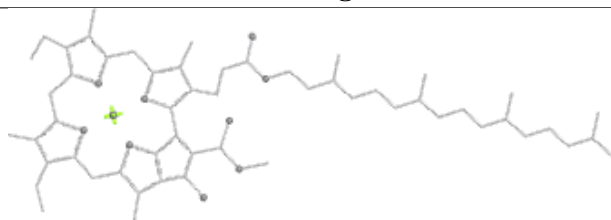
Bond lengths



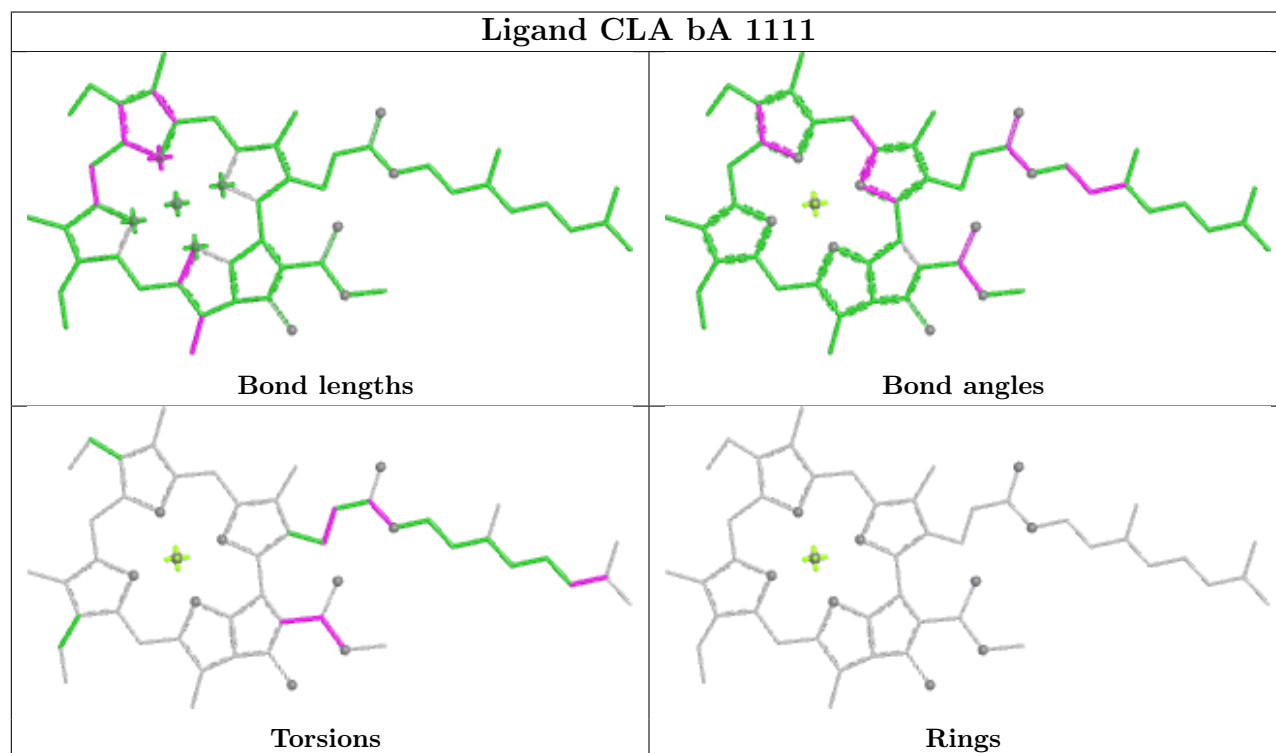
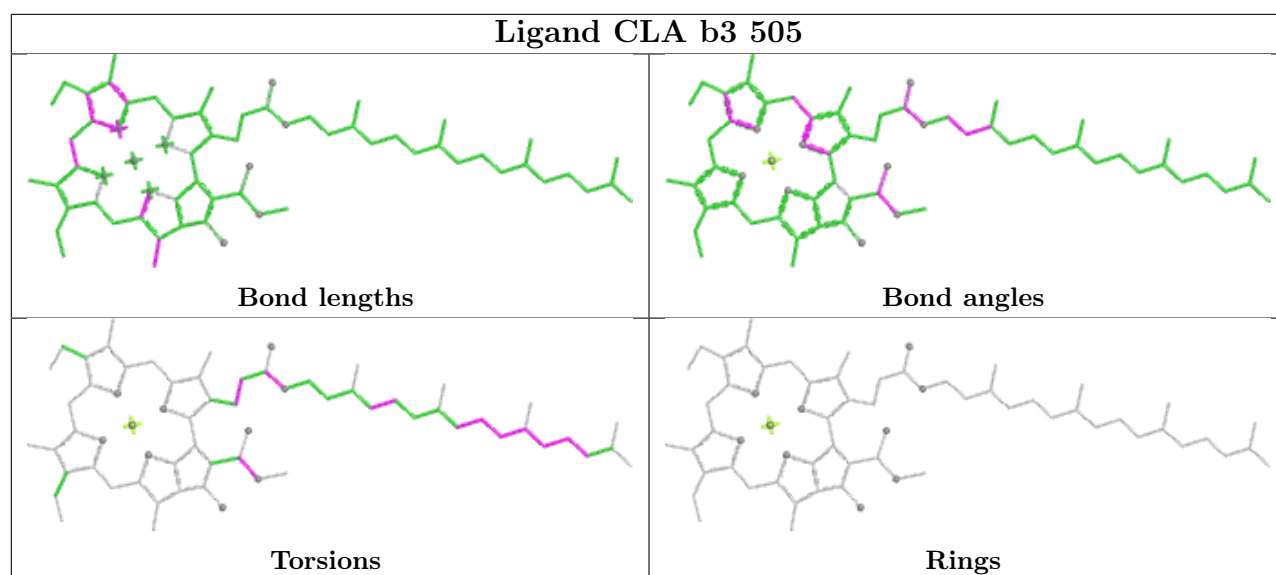
Bond angles

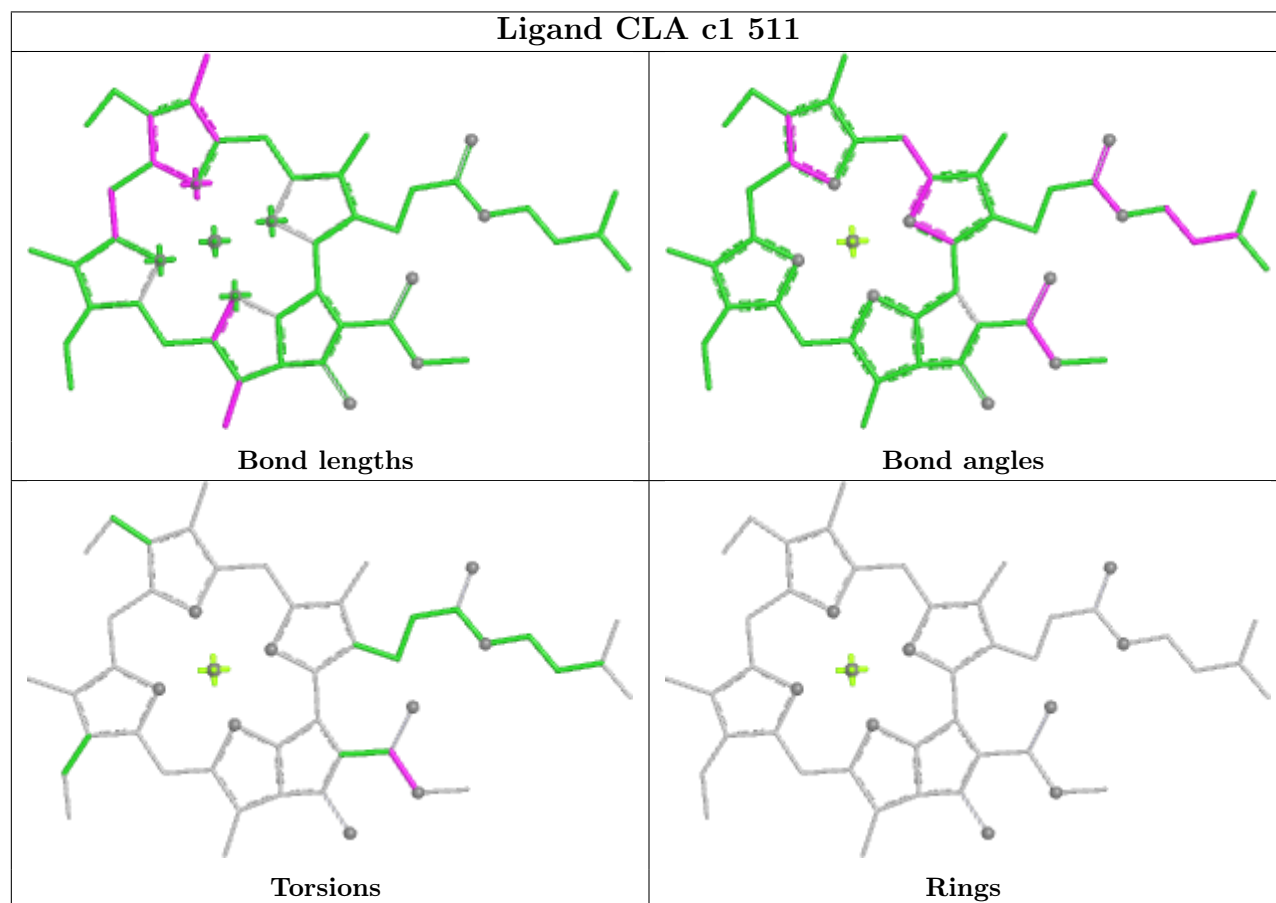
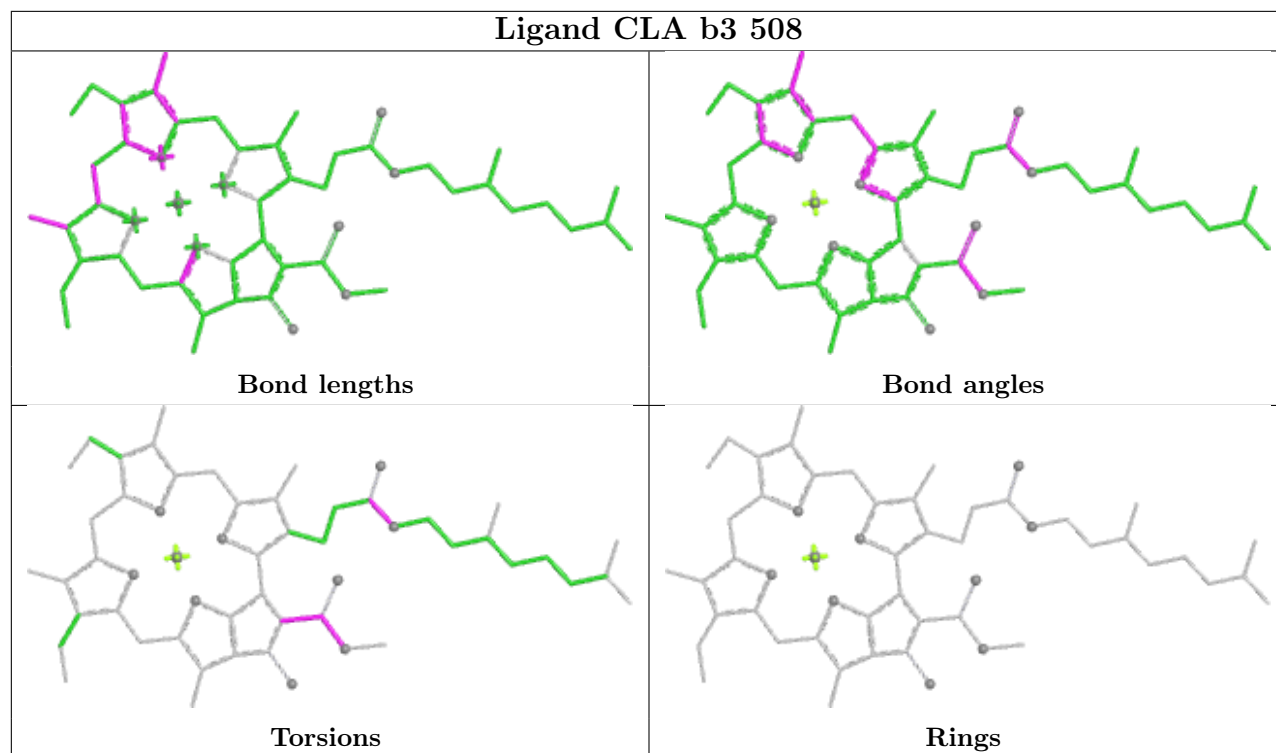


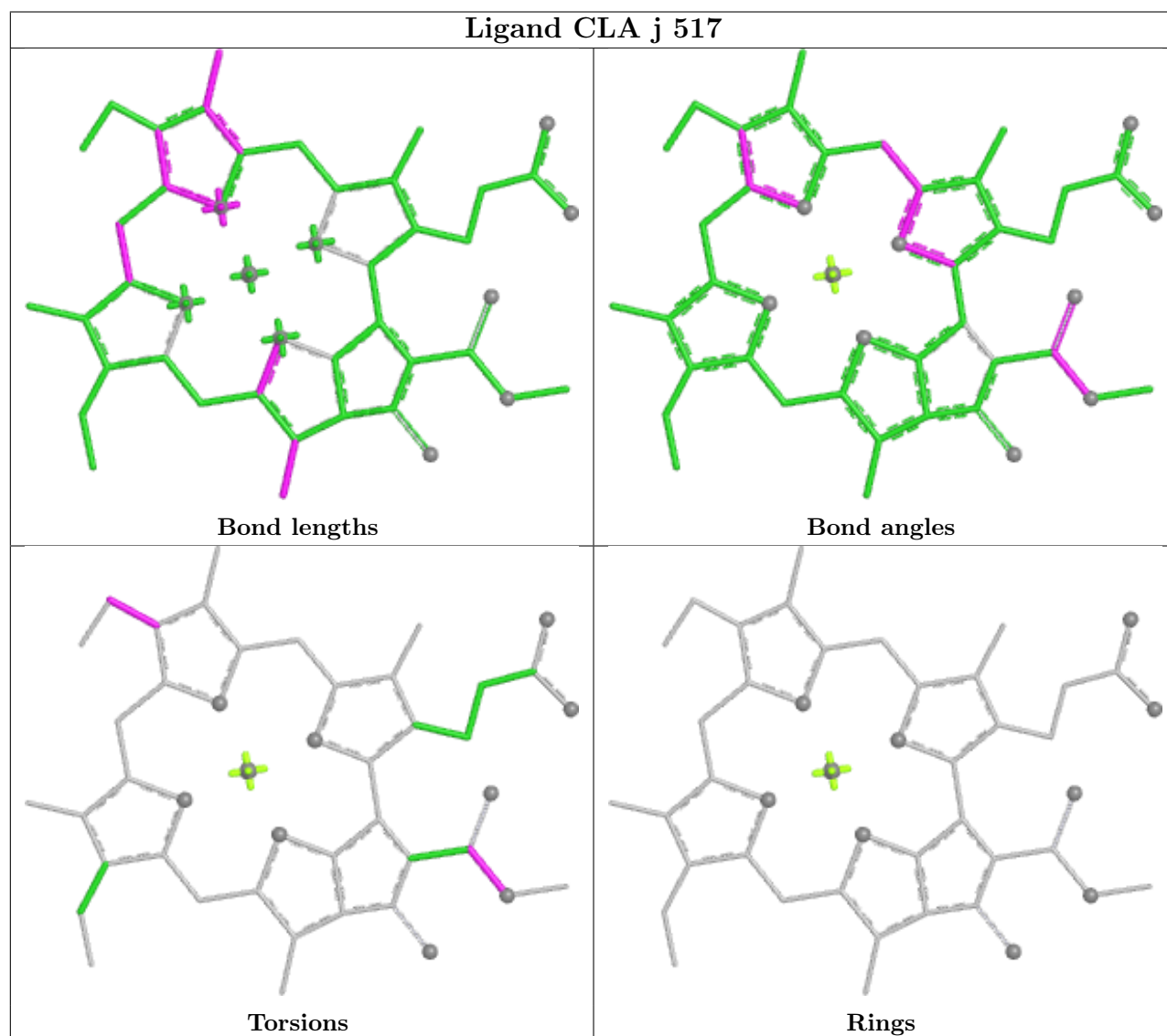
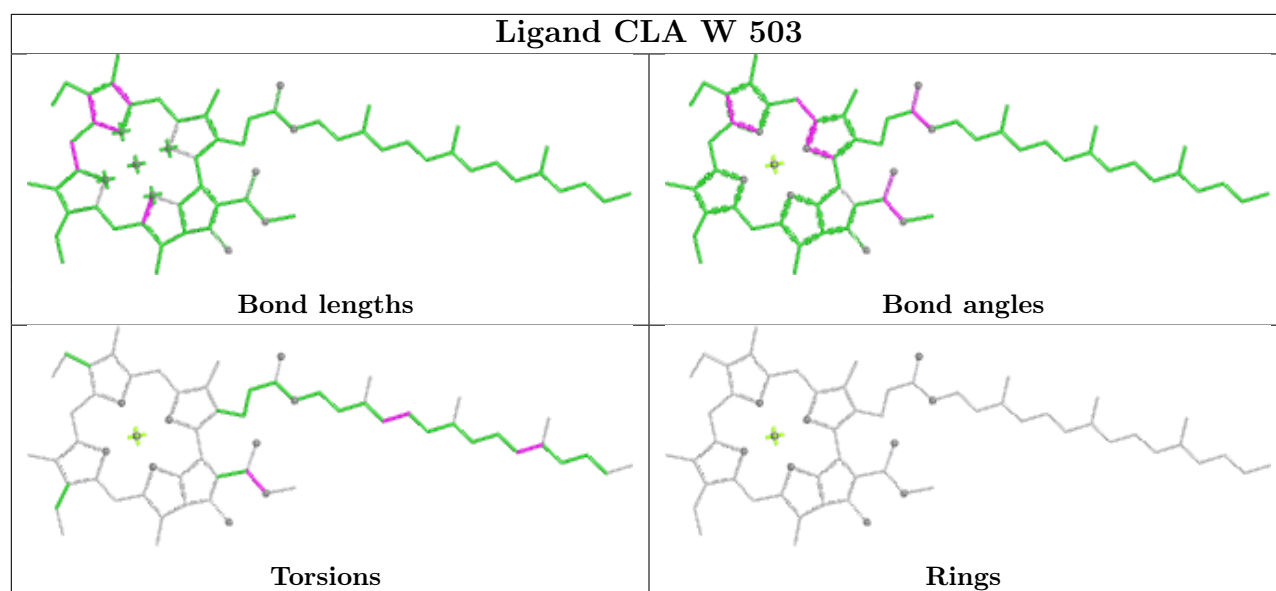
Torsions

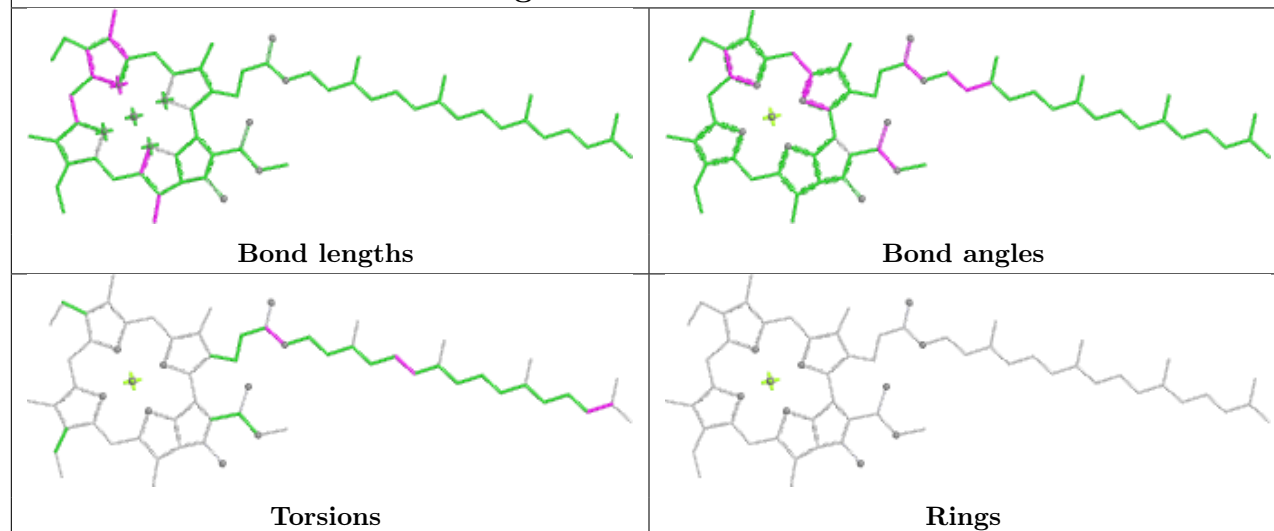
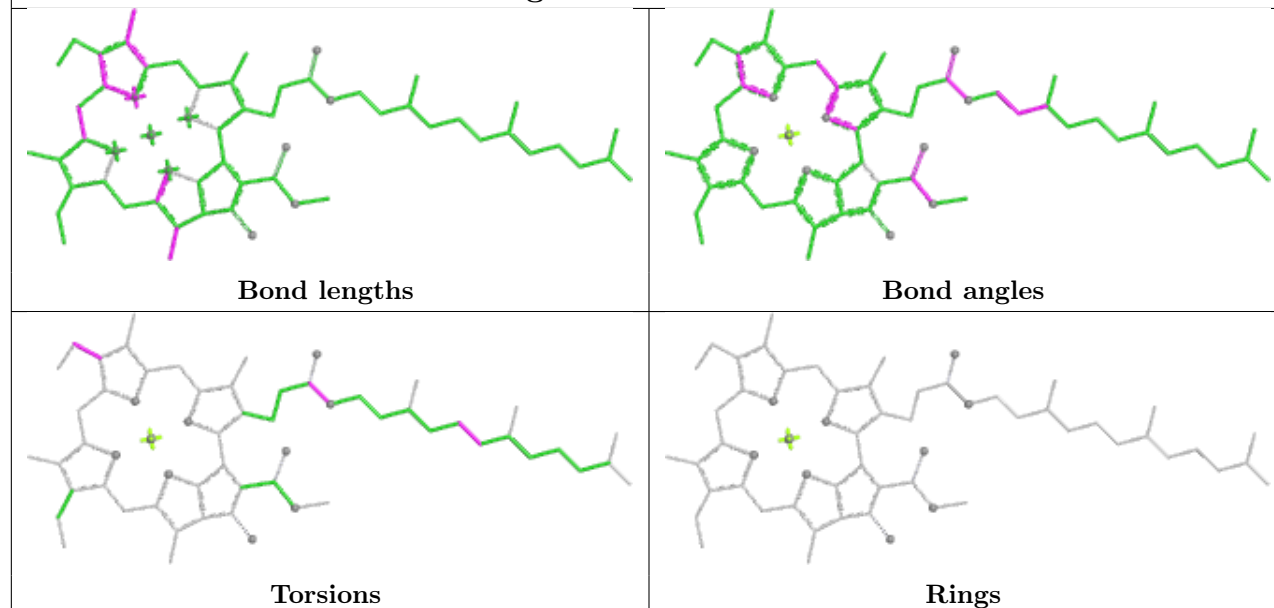


Rings

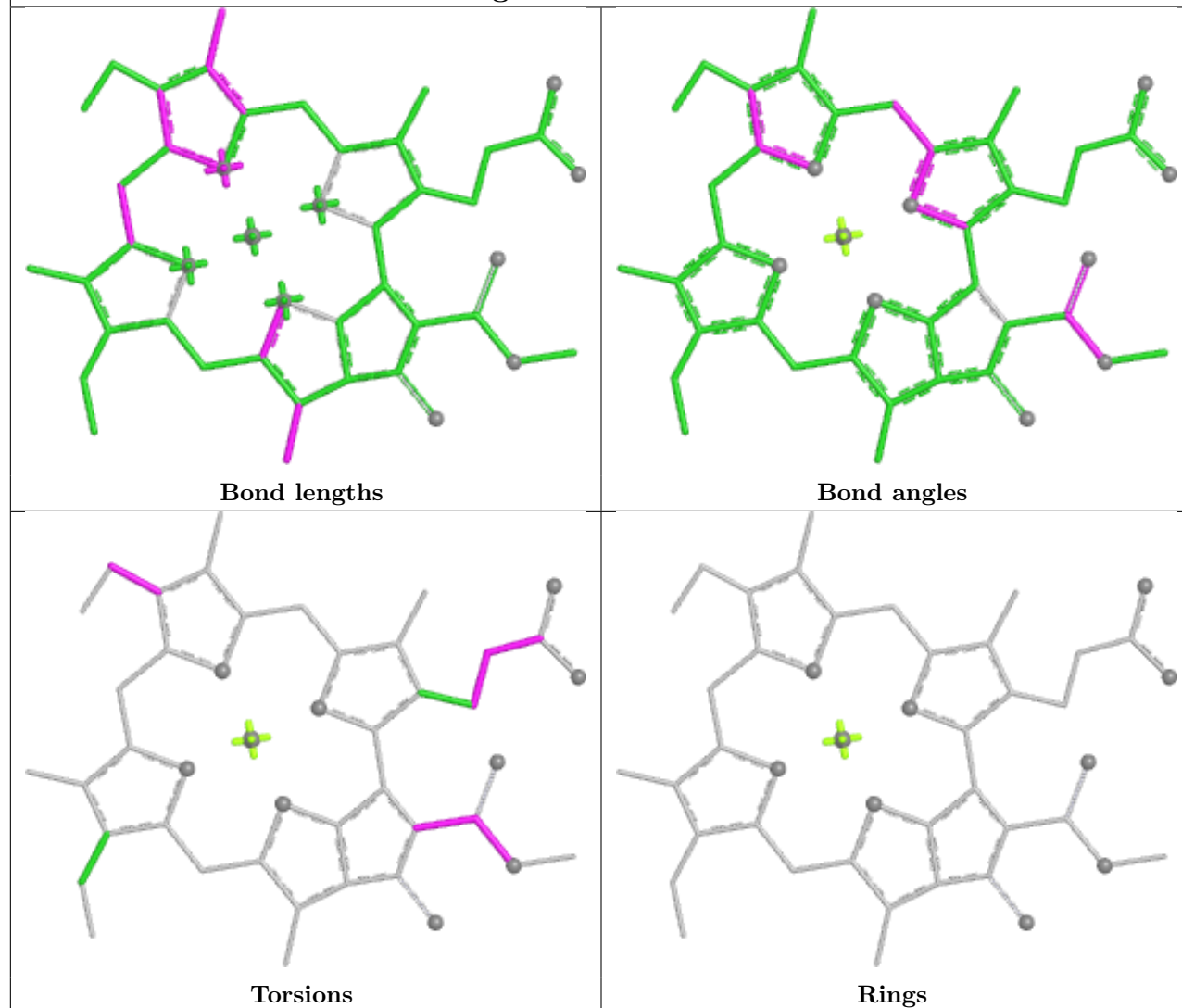




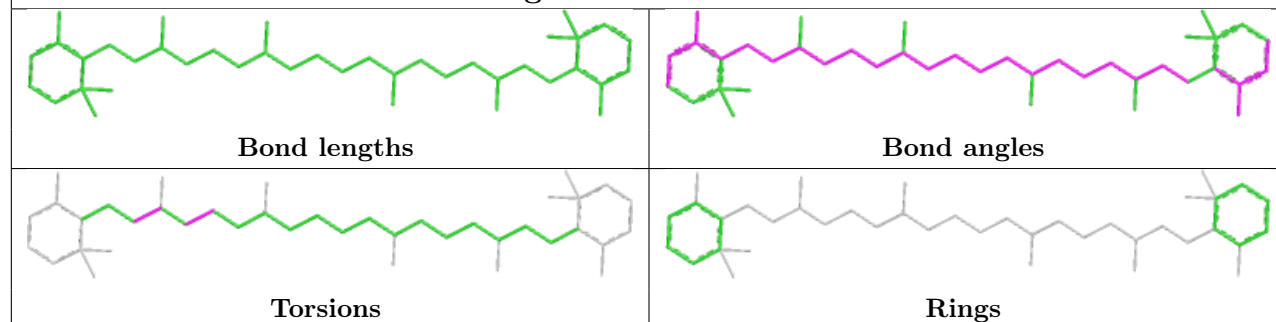


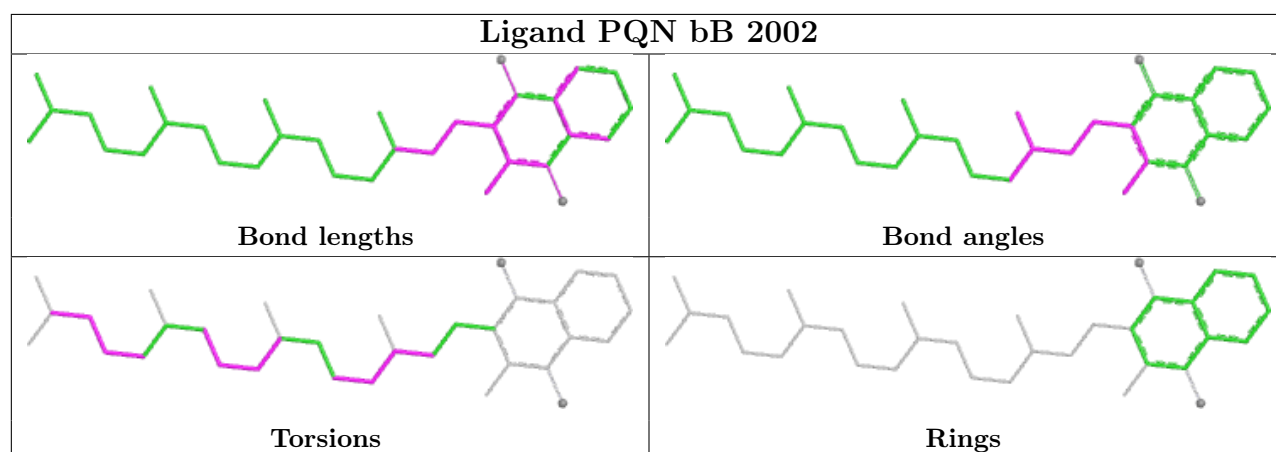
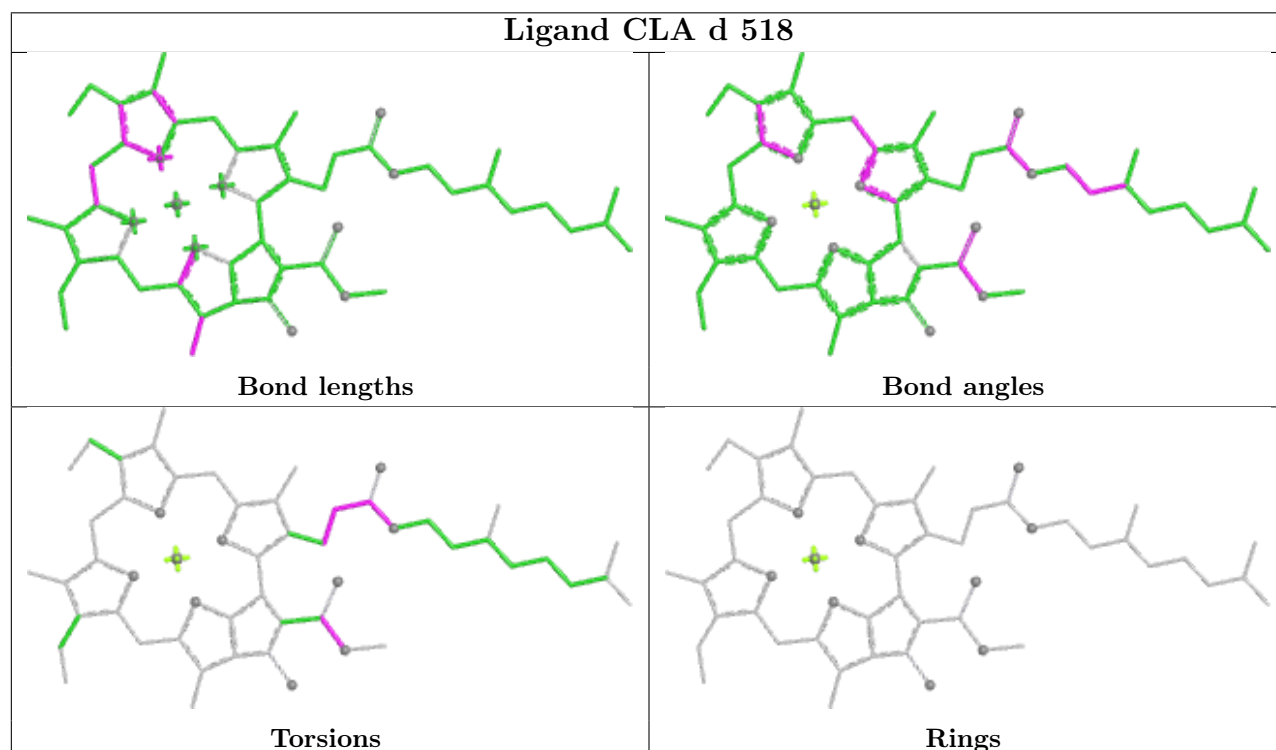
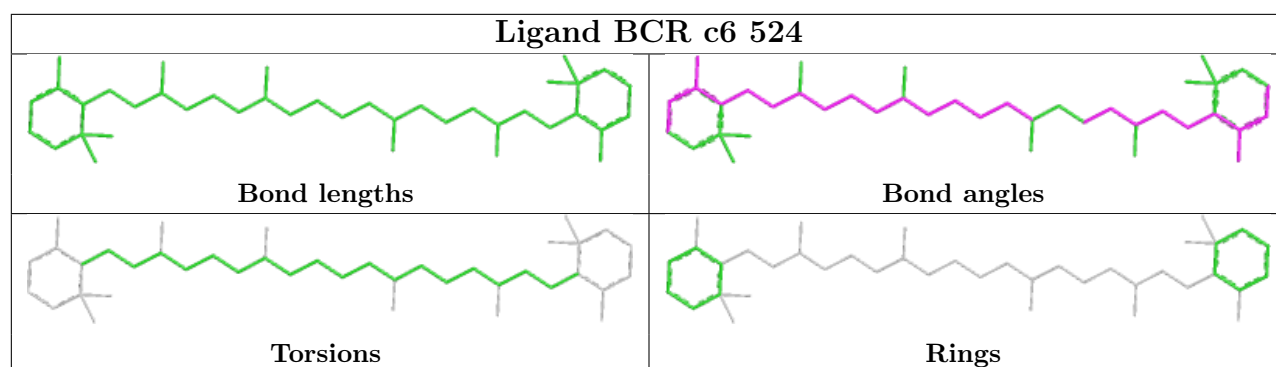
Ligand CLA cA 1127**Ligand CLA b1 502**

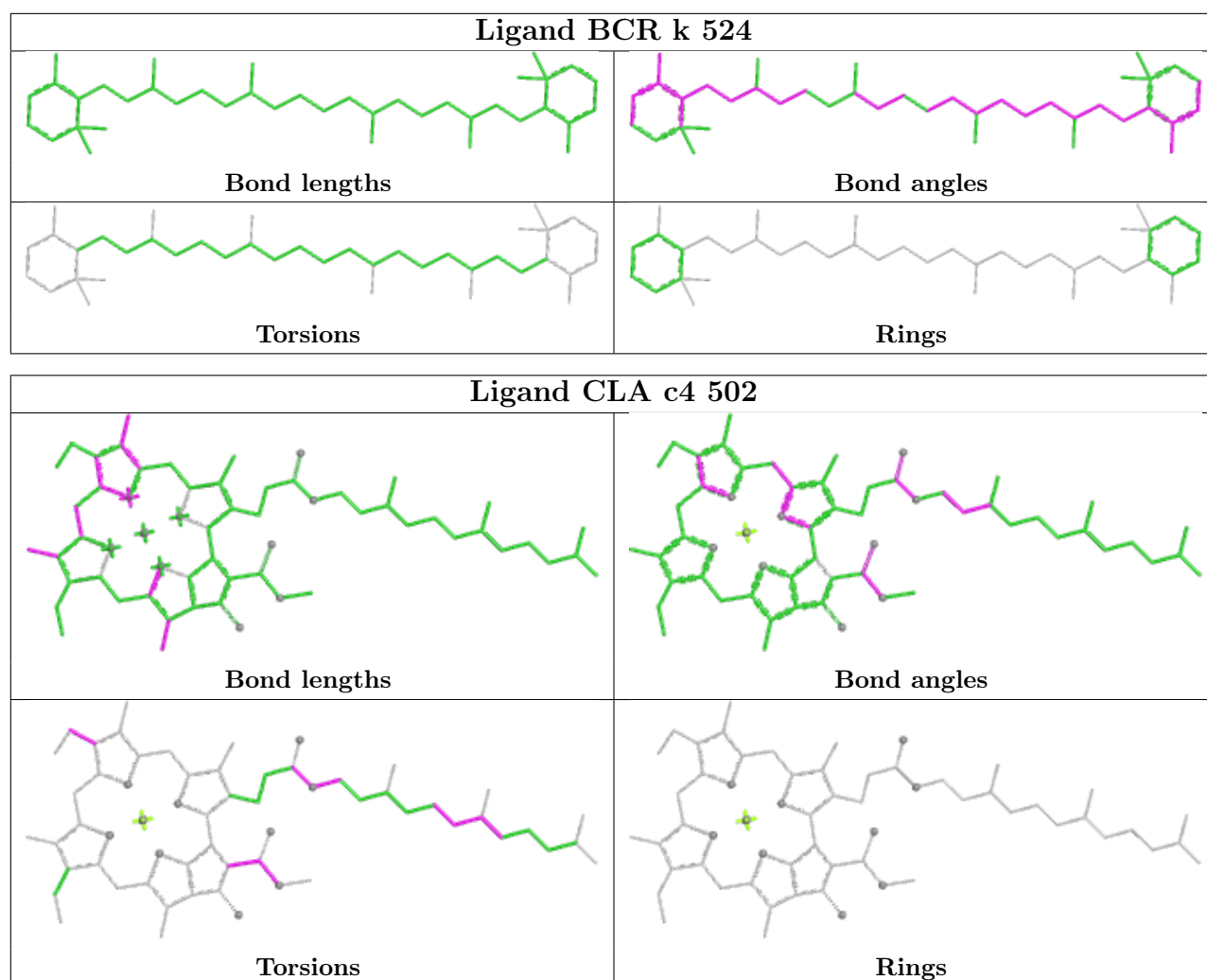
Ligand CLA Y 519



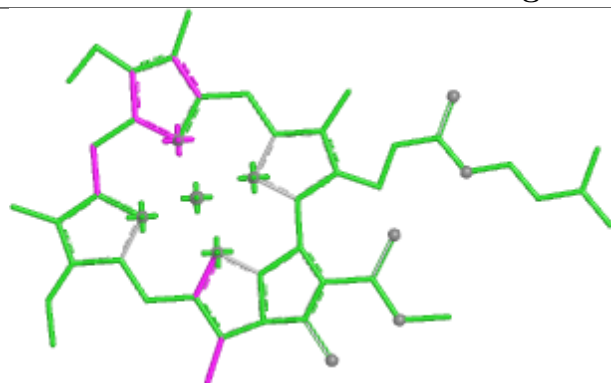
Ligand BCR b5 521



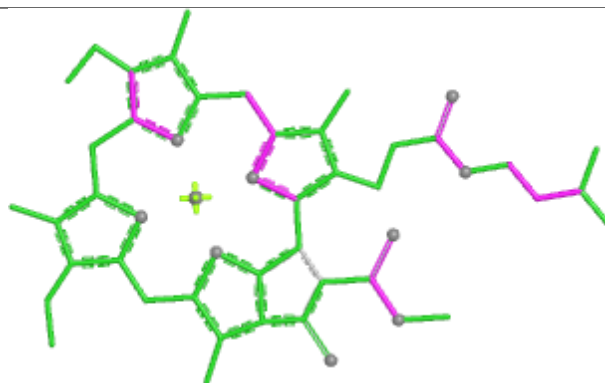




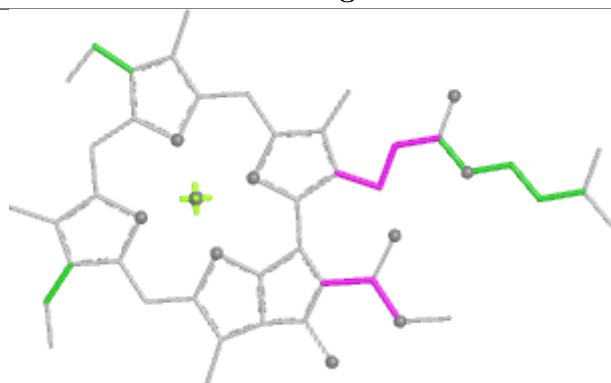
Ligand CLA l 518



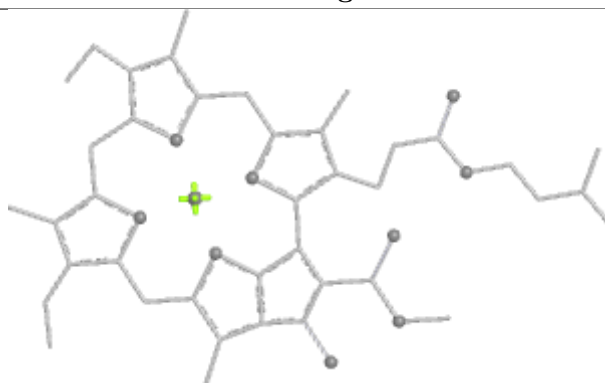
Bond lengths



Bond angles

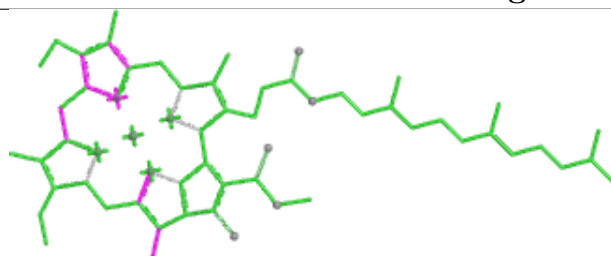


Torsions

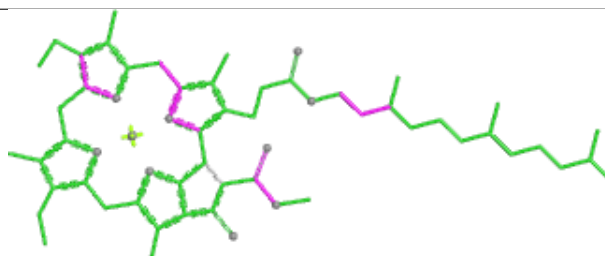


Rings

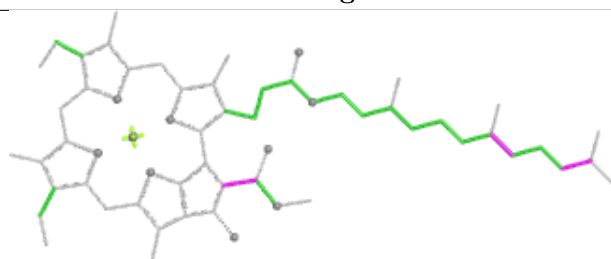
Ligand CLA b4 507



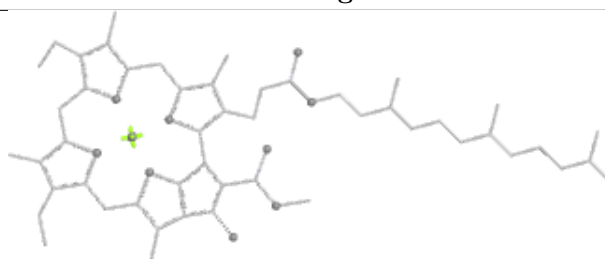
Bond lengths



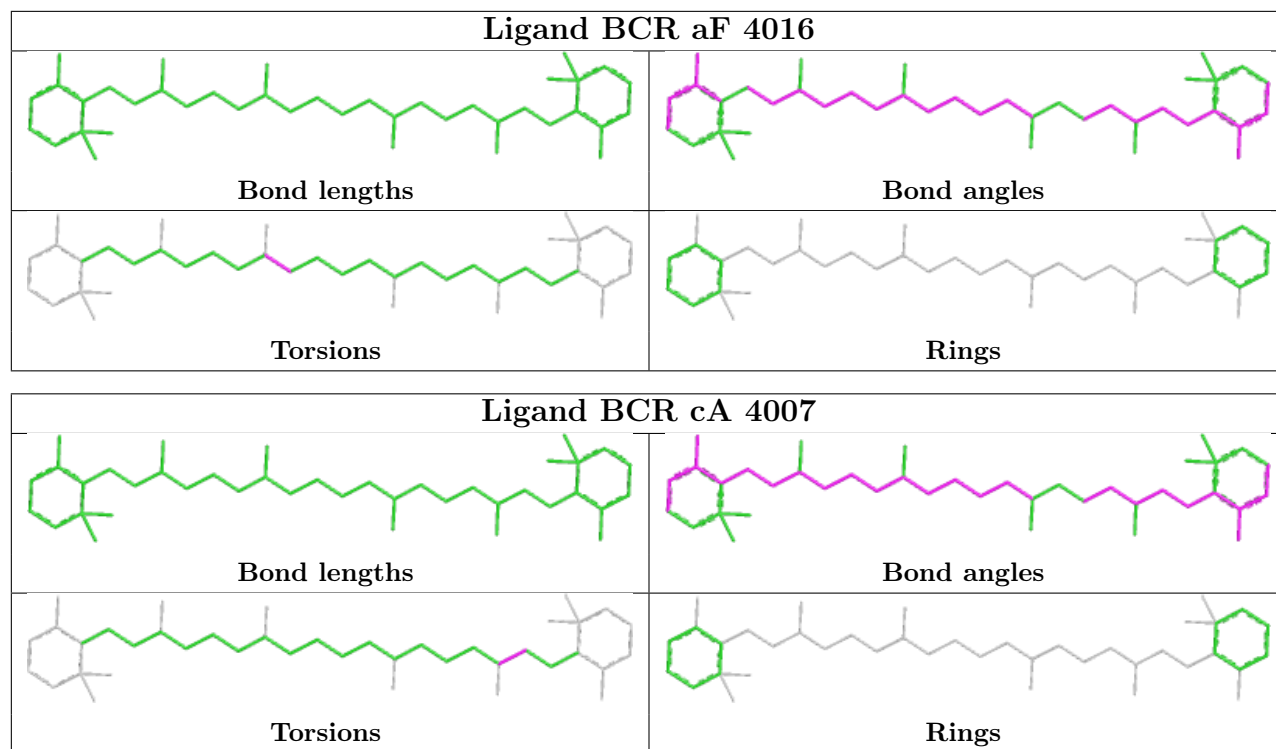
Bond angles



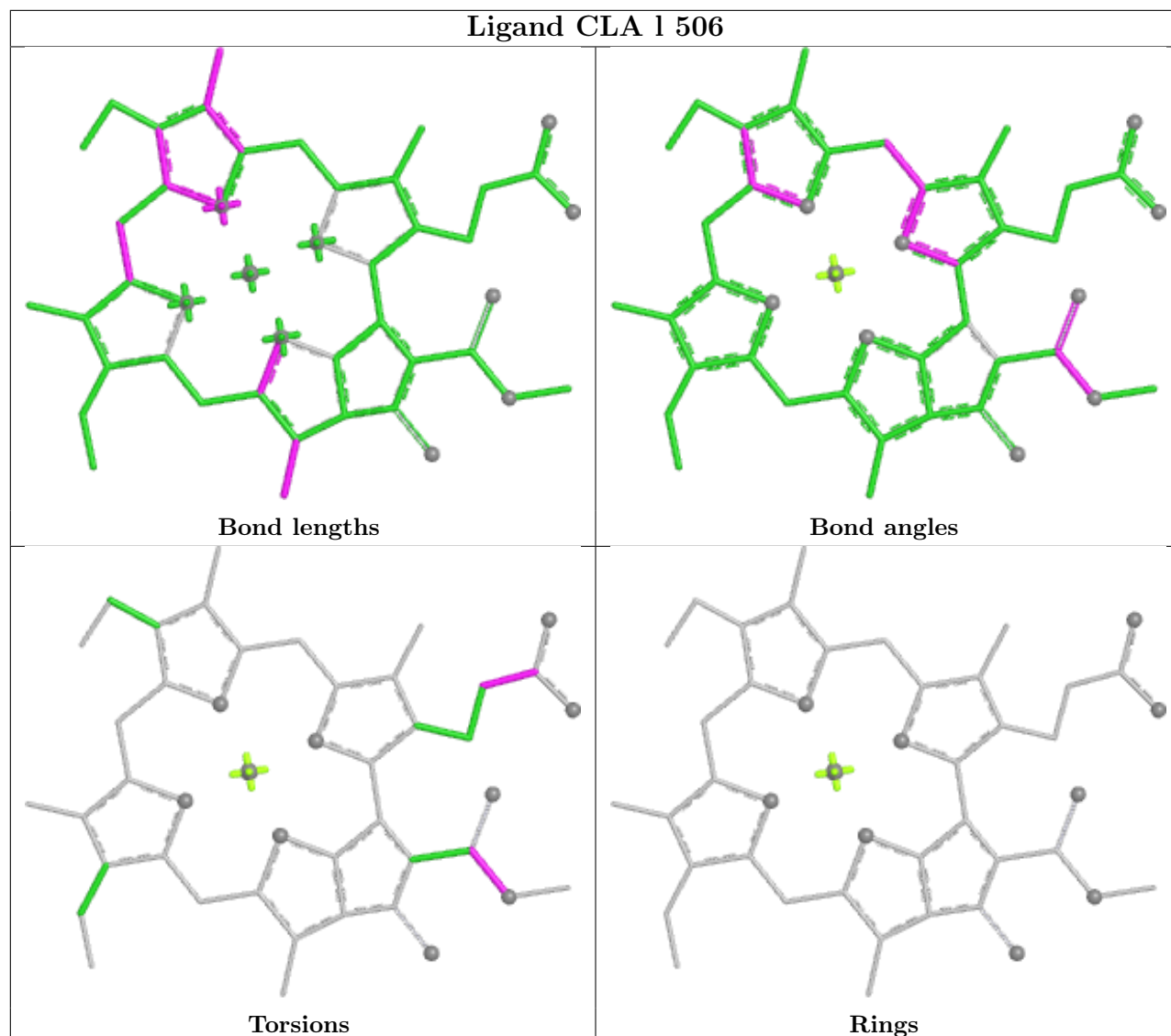
Torsions



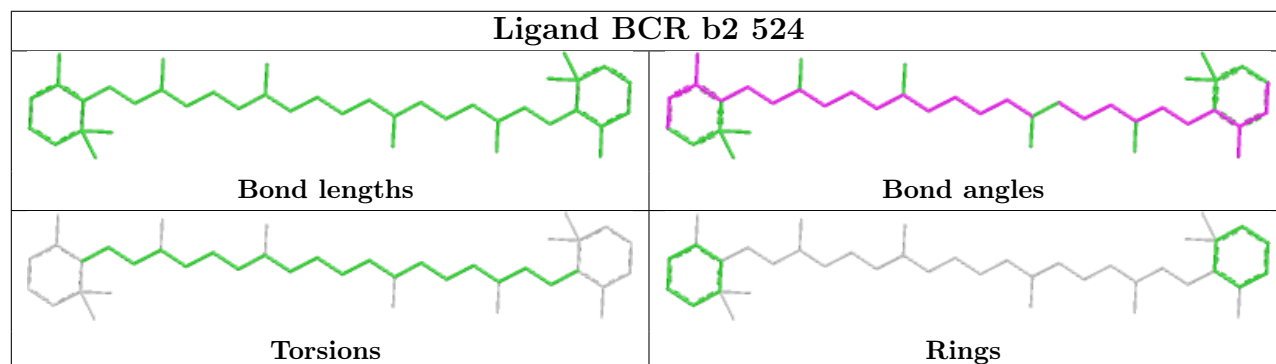
Rings

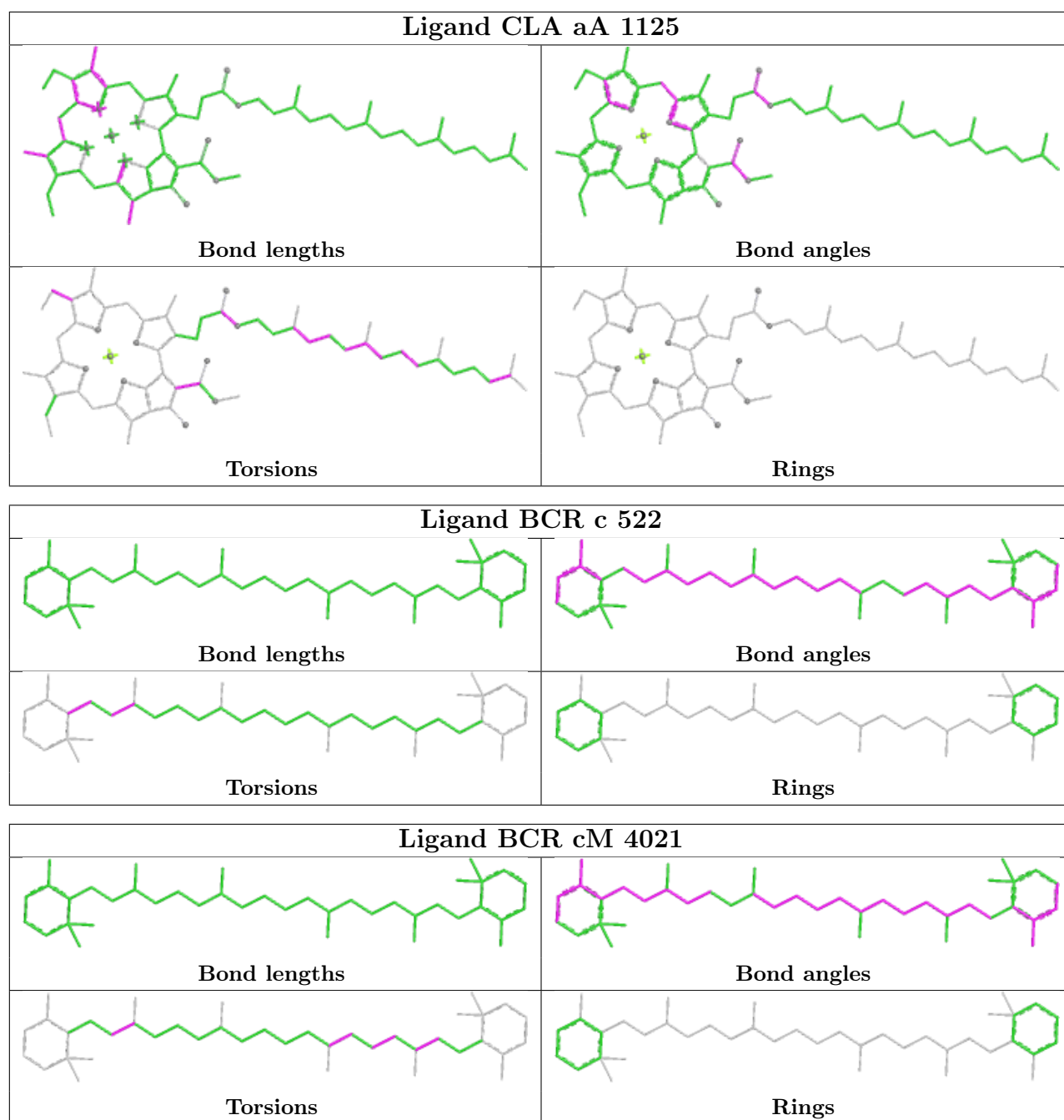


Ligand CLA 1 506

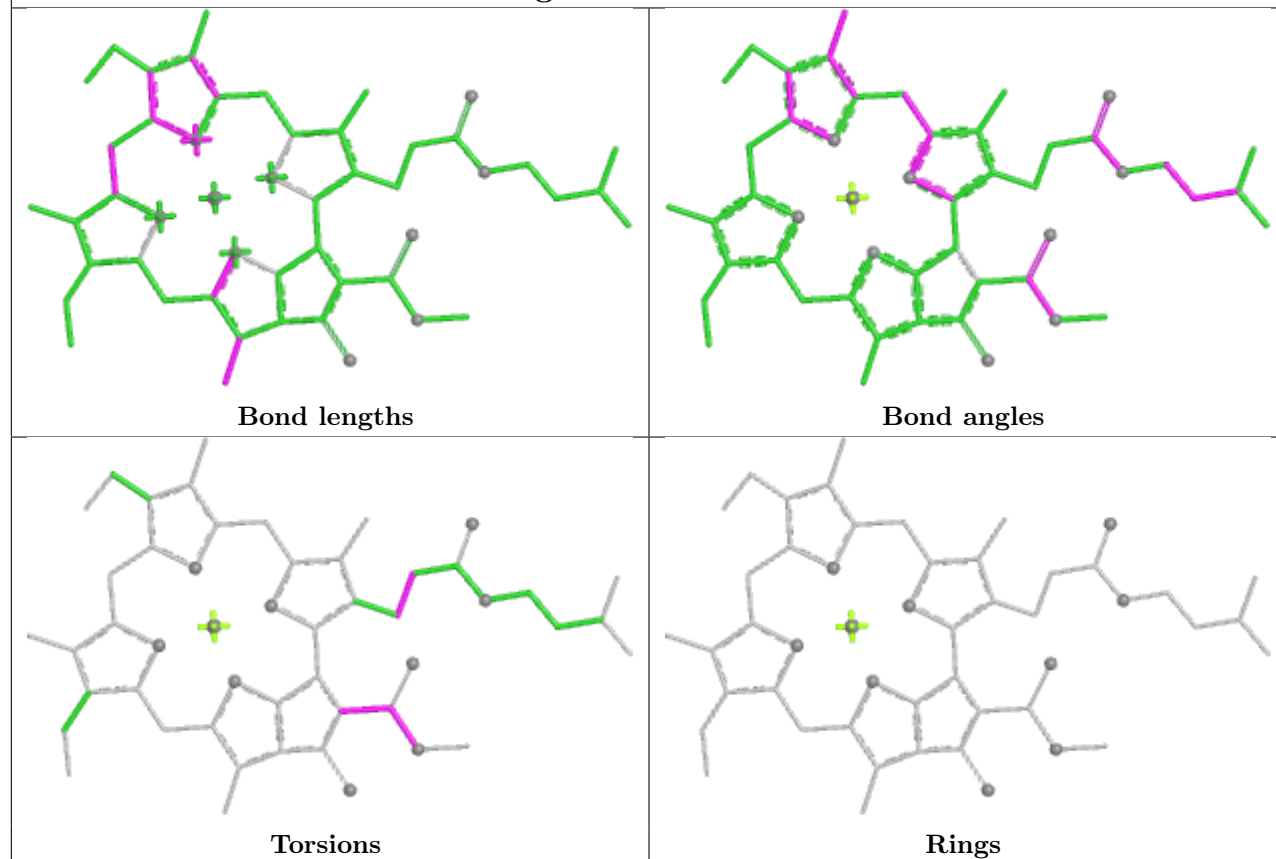


Ligand BCR b2 524

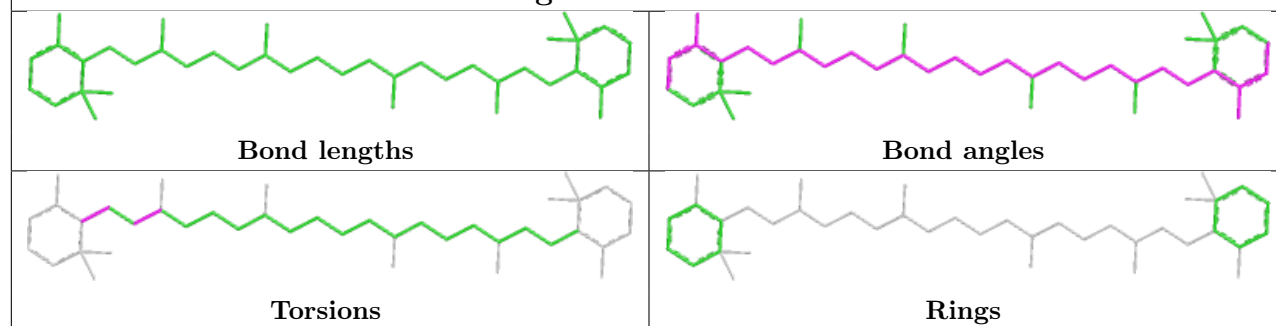




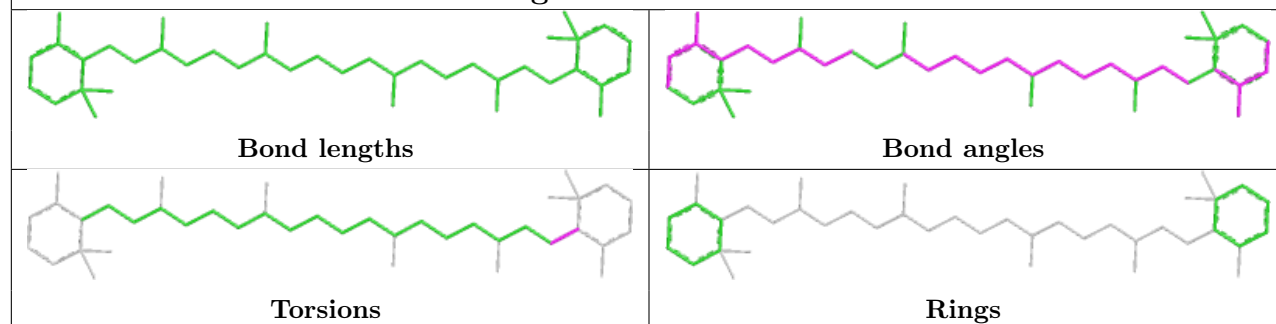
Ligand CLA h 513

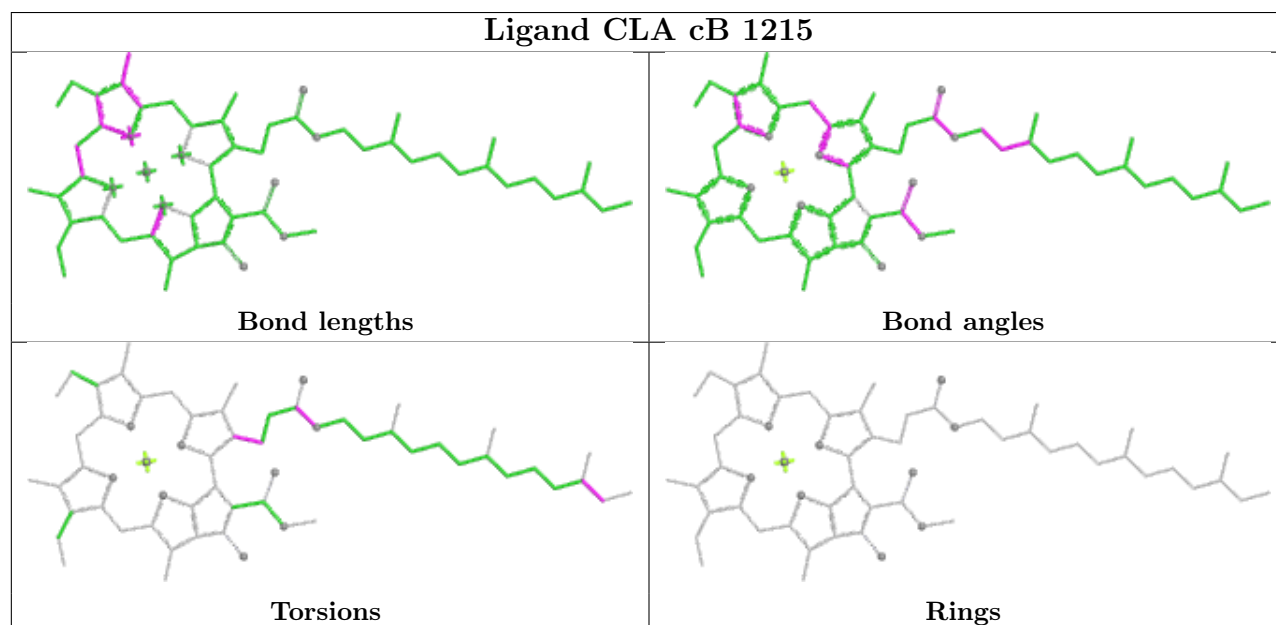
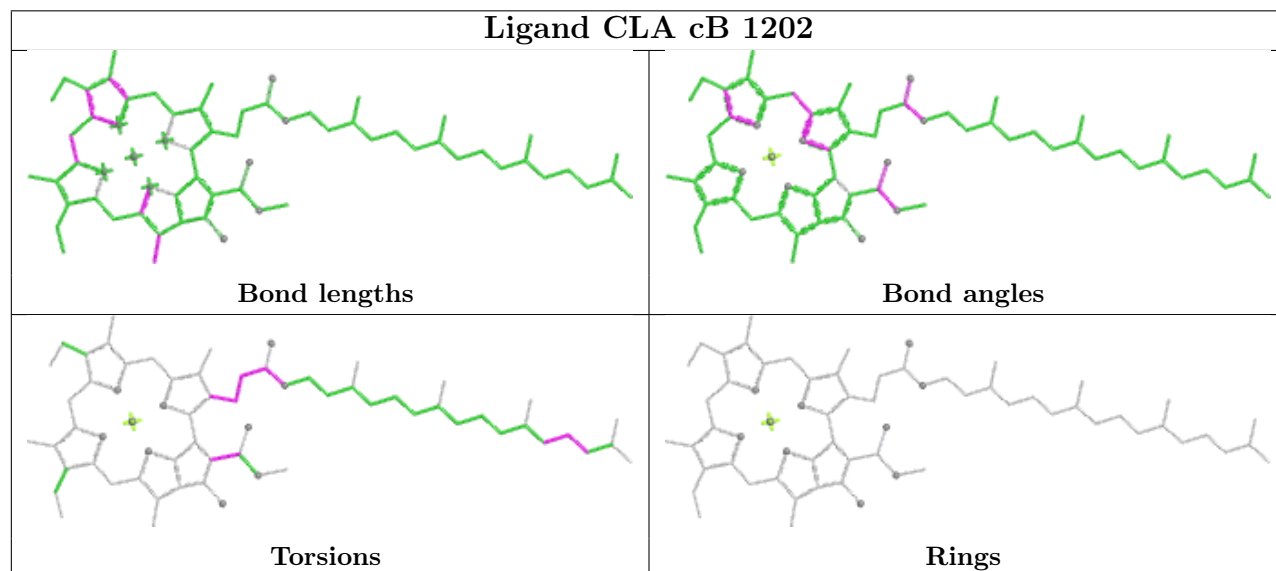
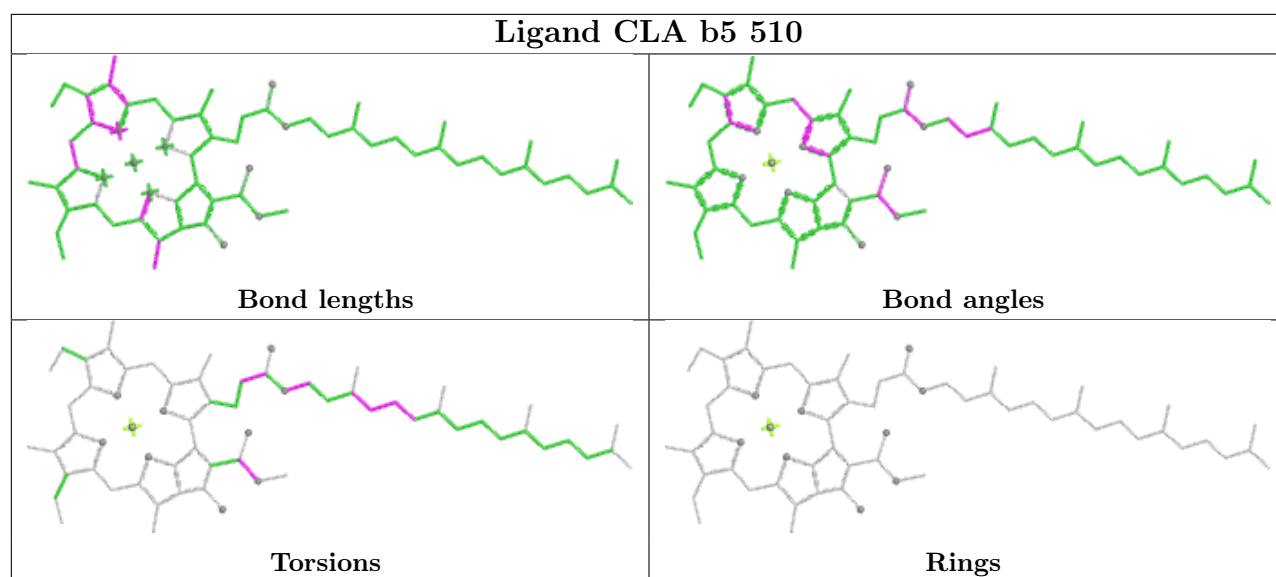


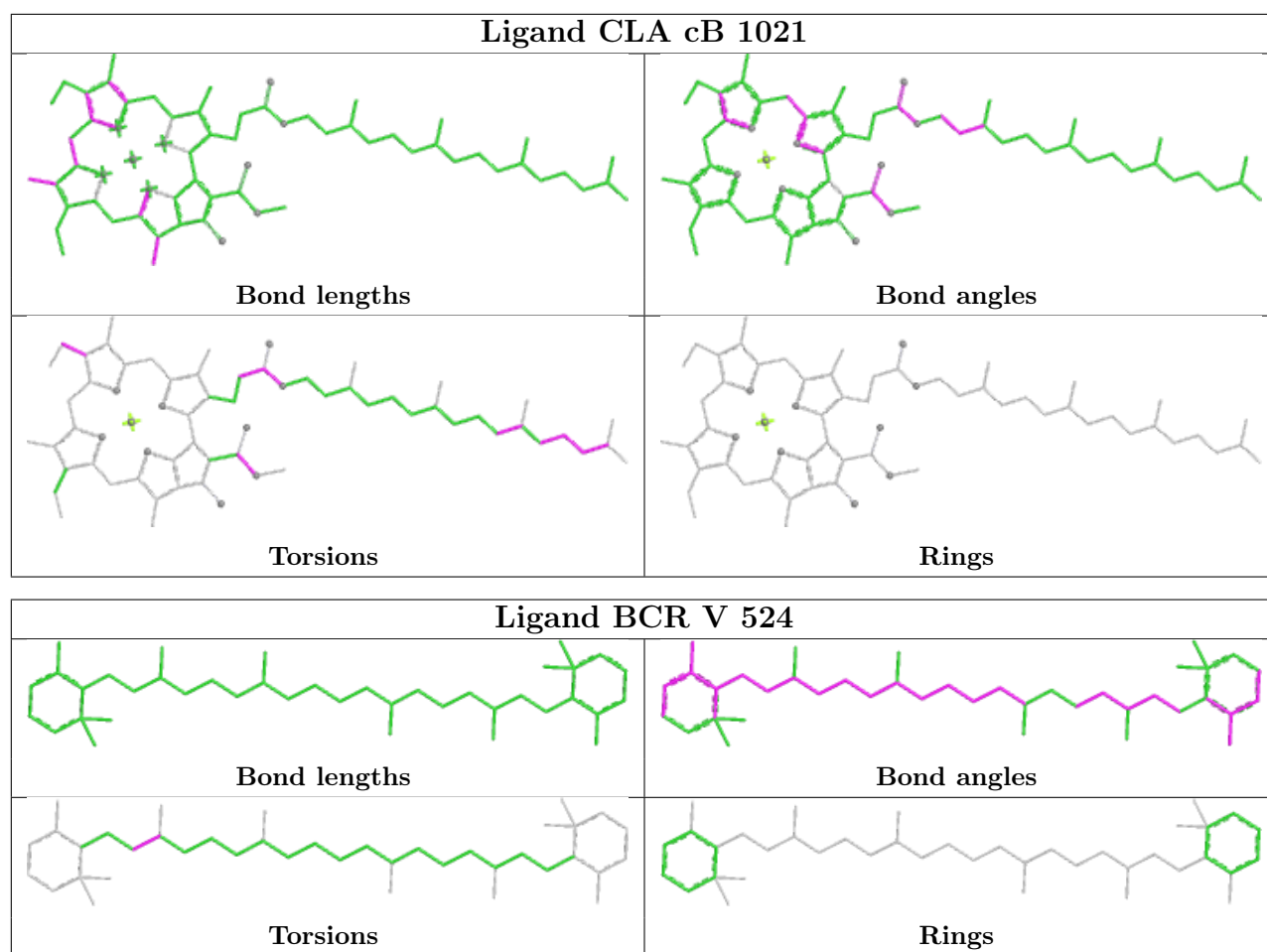
Ligand BCR e 521



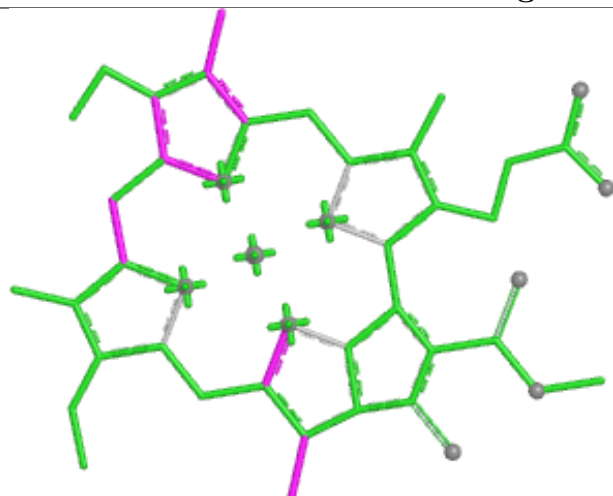
Ligand BCR T 523



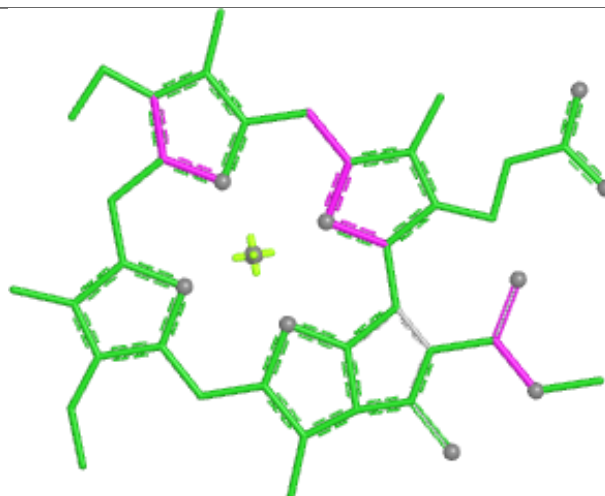




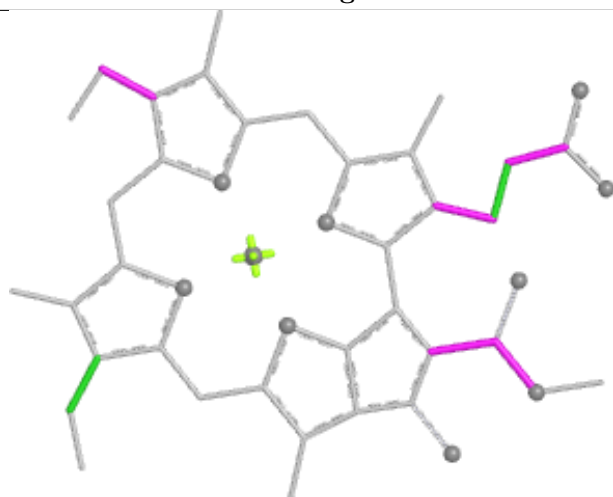
Ligand CLA d 517



Bond lengths



Bond angles

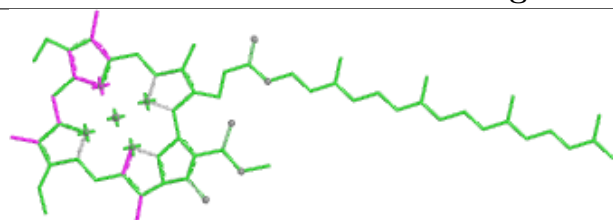


Torsions

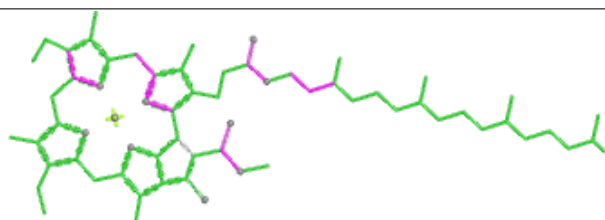


Rings

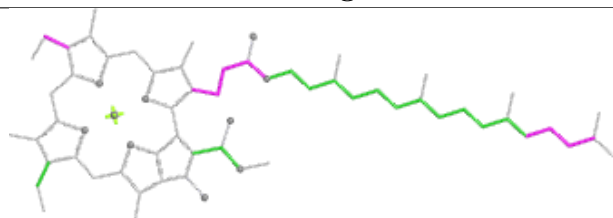
Ligand CLA a3 501



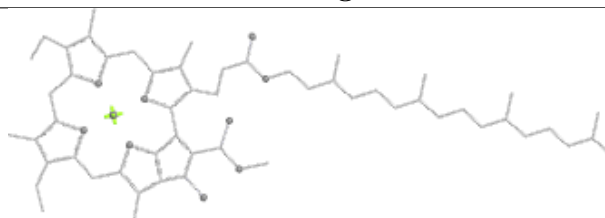
Bond lengths



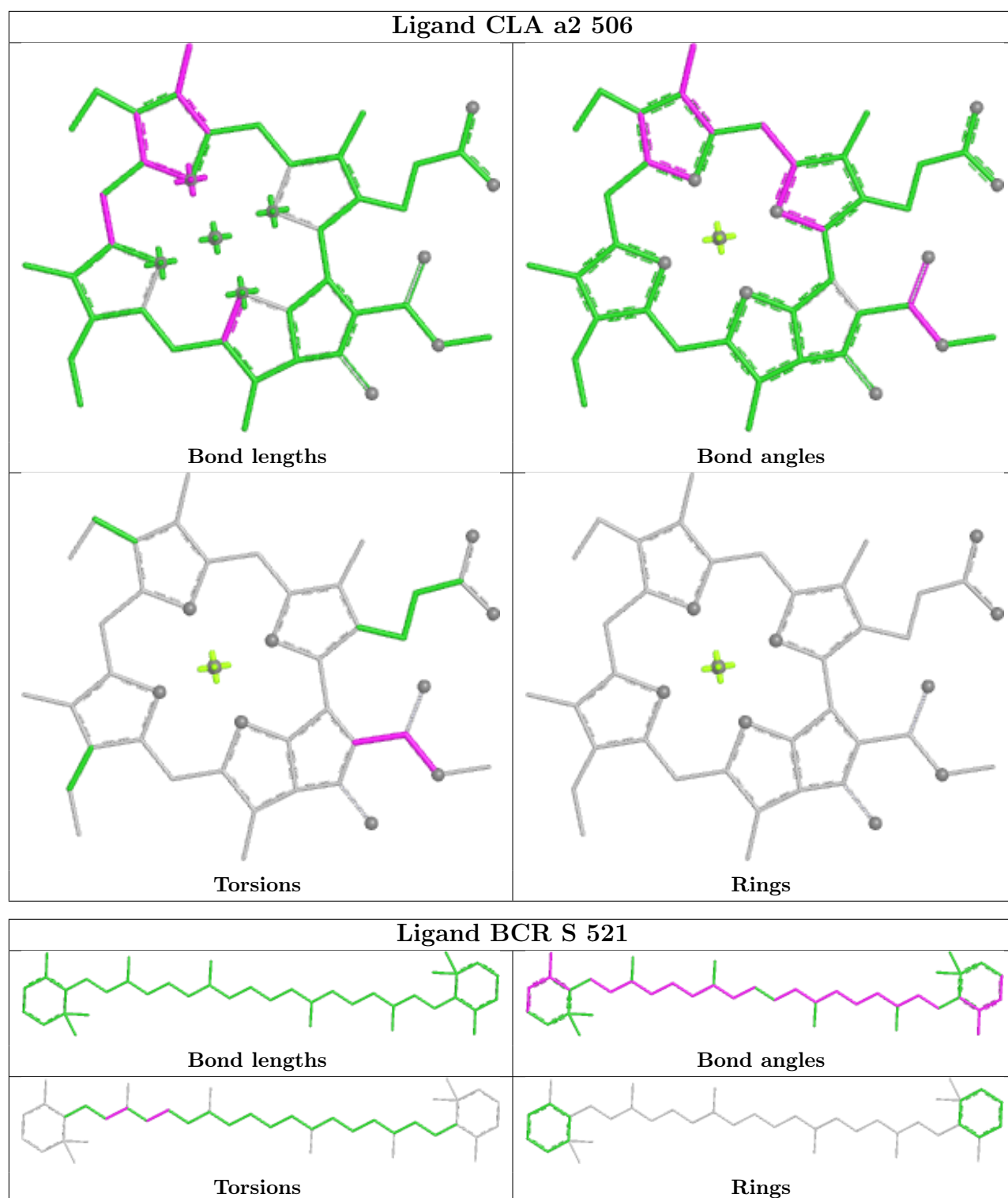
Bond angles



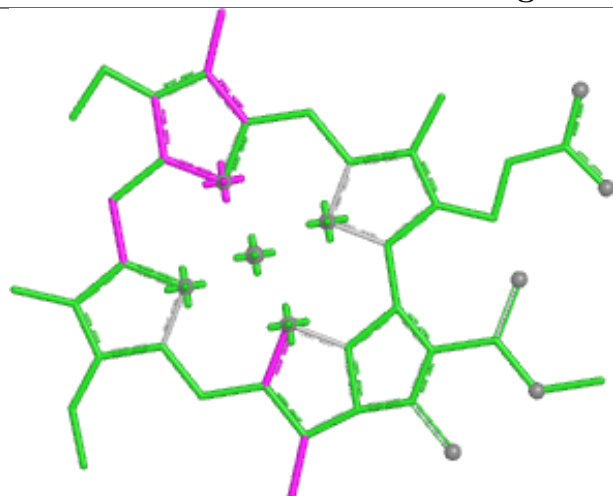
Torsions



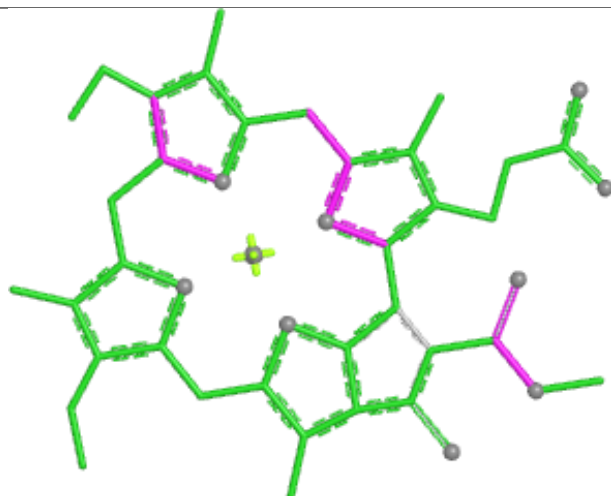
Rings



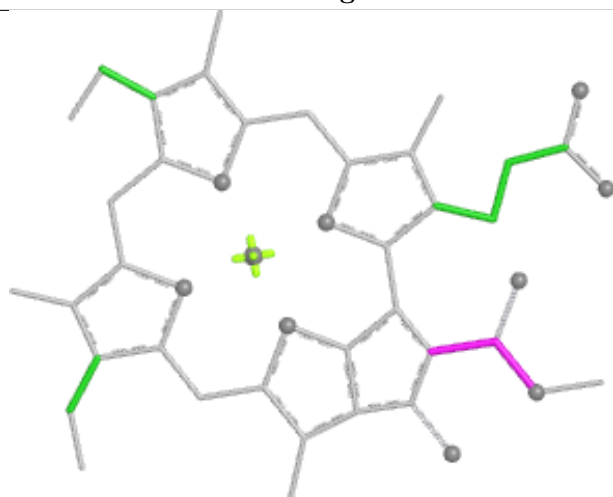
Ligand CLA h 506



Bond lengths



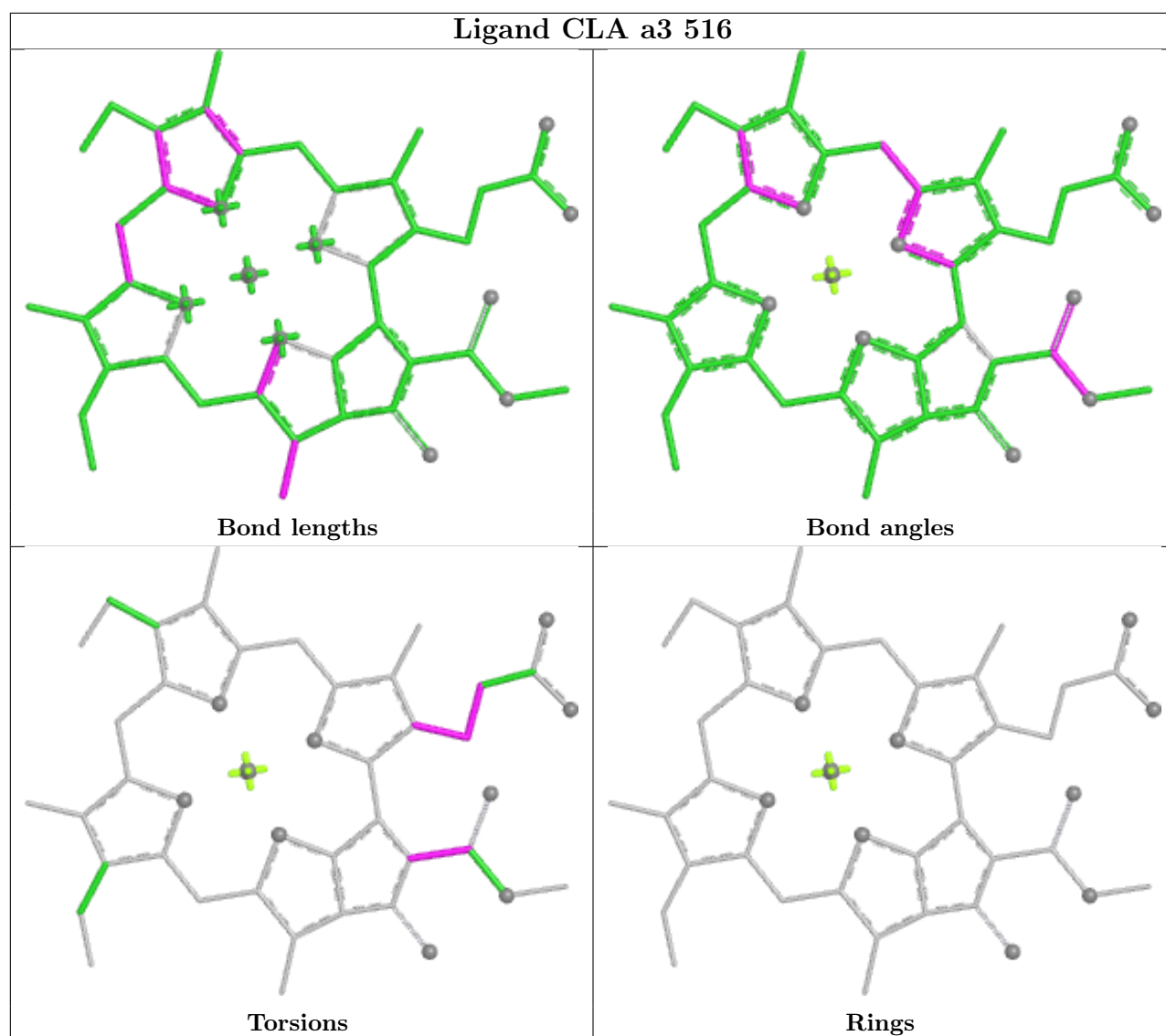
Bond angles



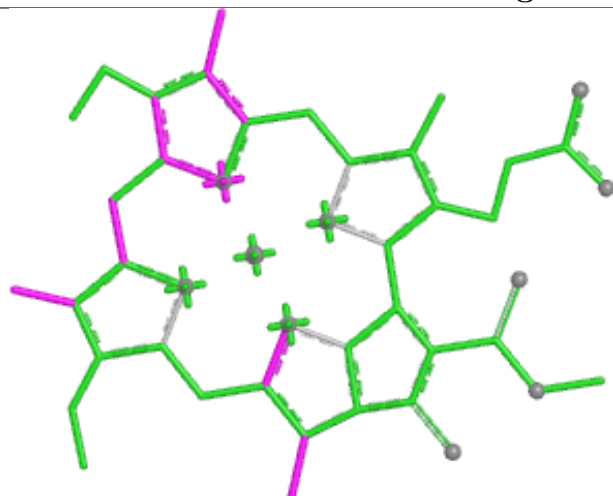
Torsions



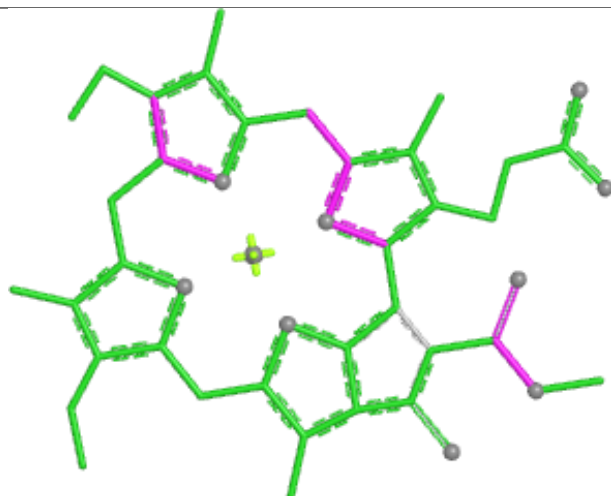
Rings



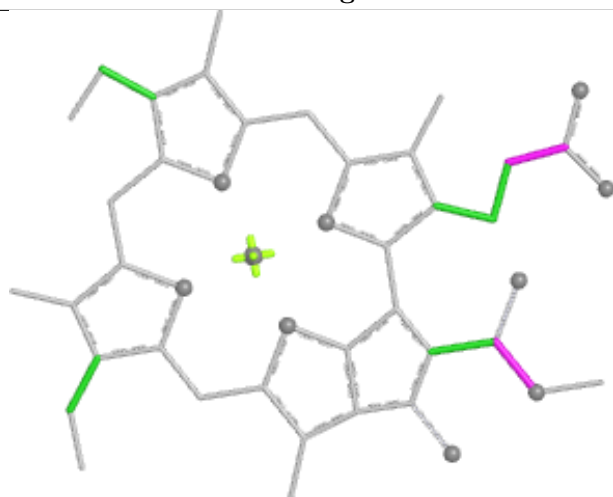
Ligand CLA Z 508



Bond lengths



Bond angles

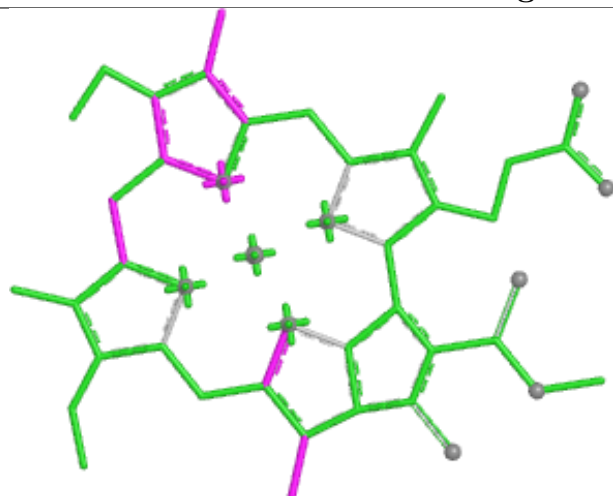


Torsions



Rings

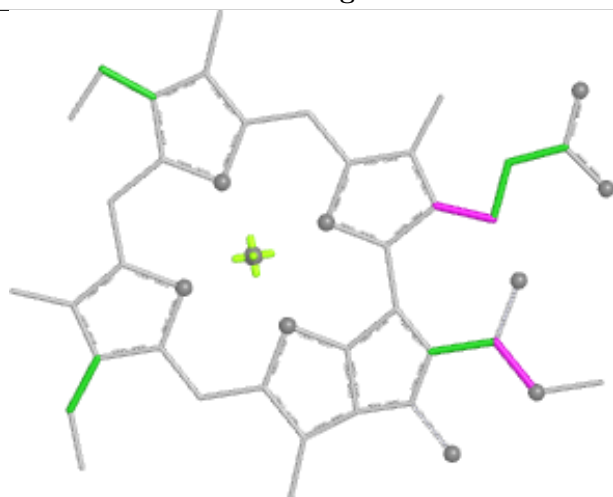
Ligand CLA b 511



Bond lengths



Bond angles

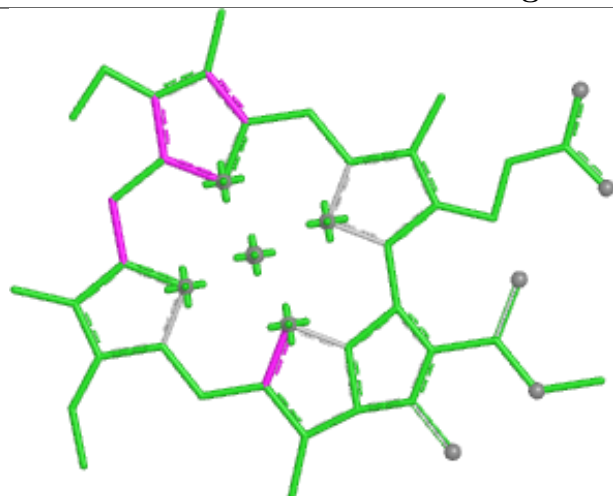


Torsions

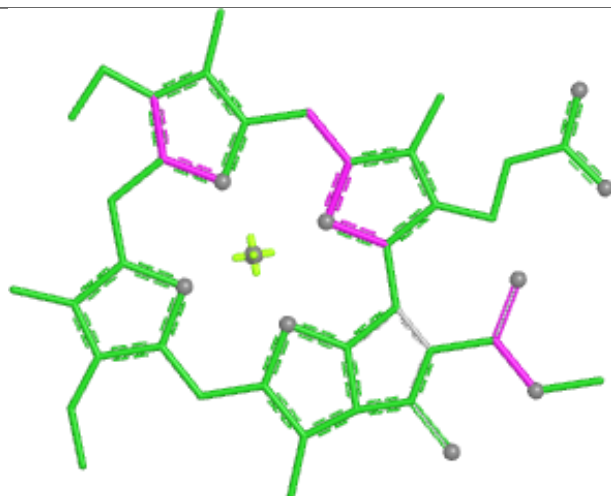


Rings

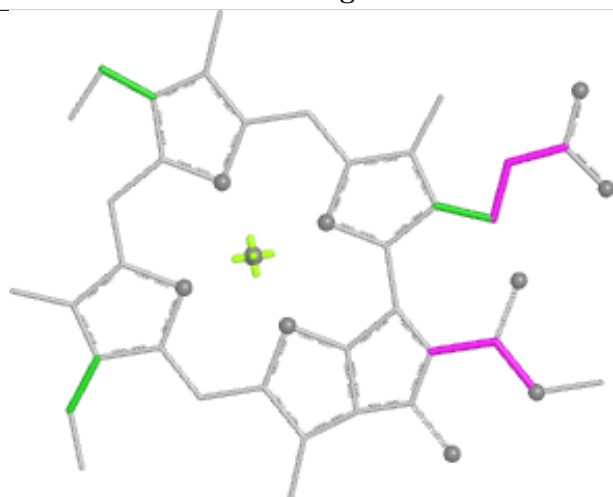
Ligand CLA f 511



Bond lengths



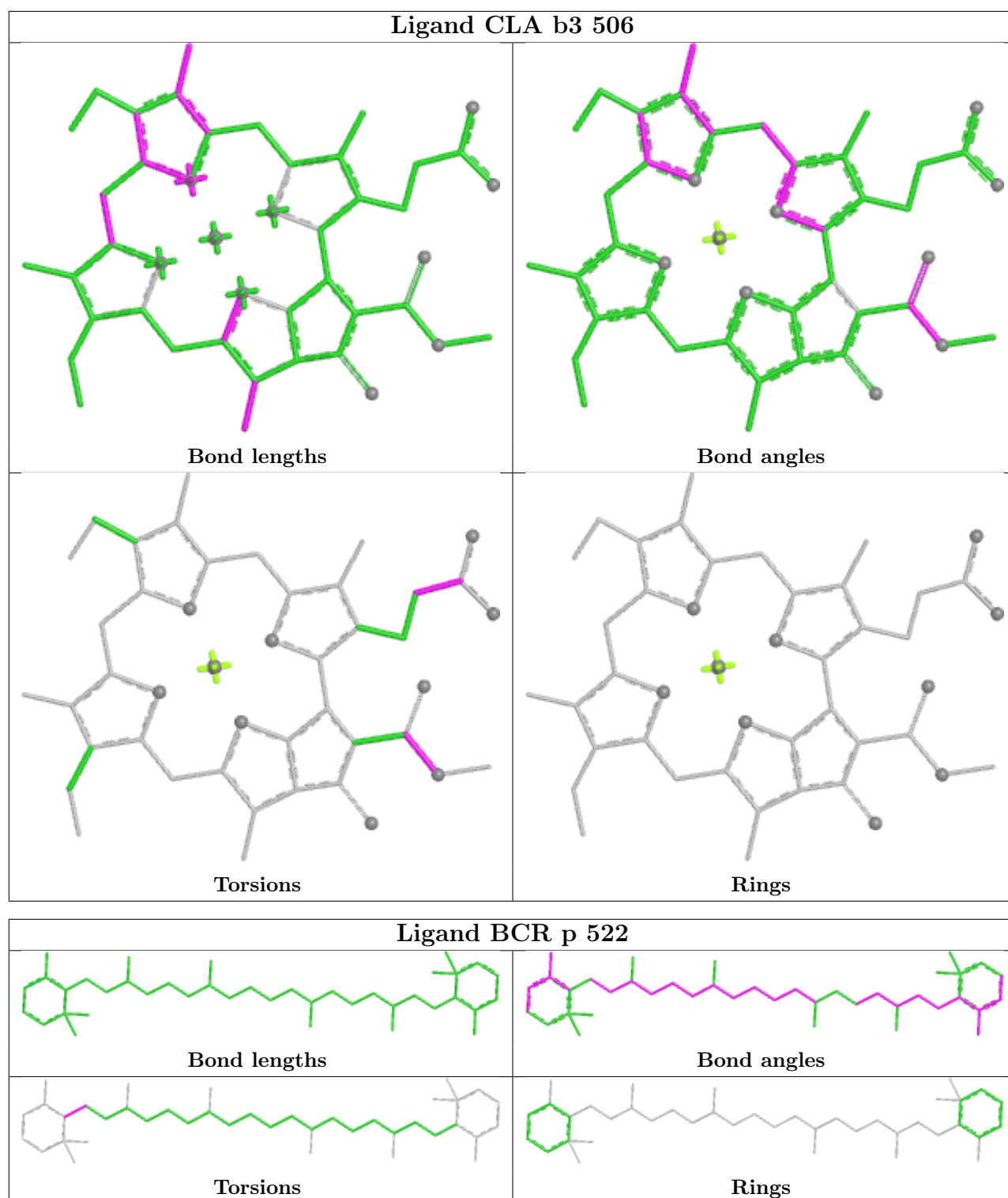
Bond angles



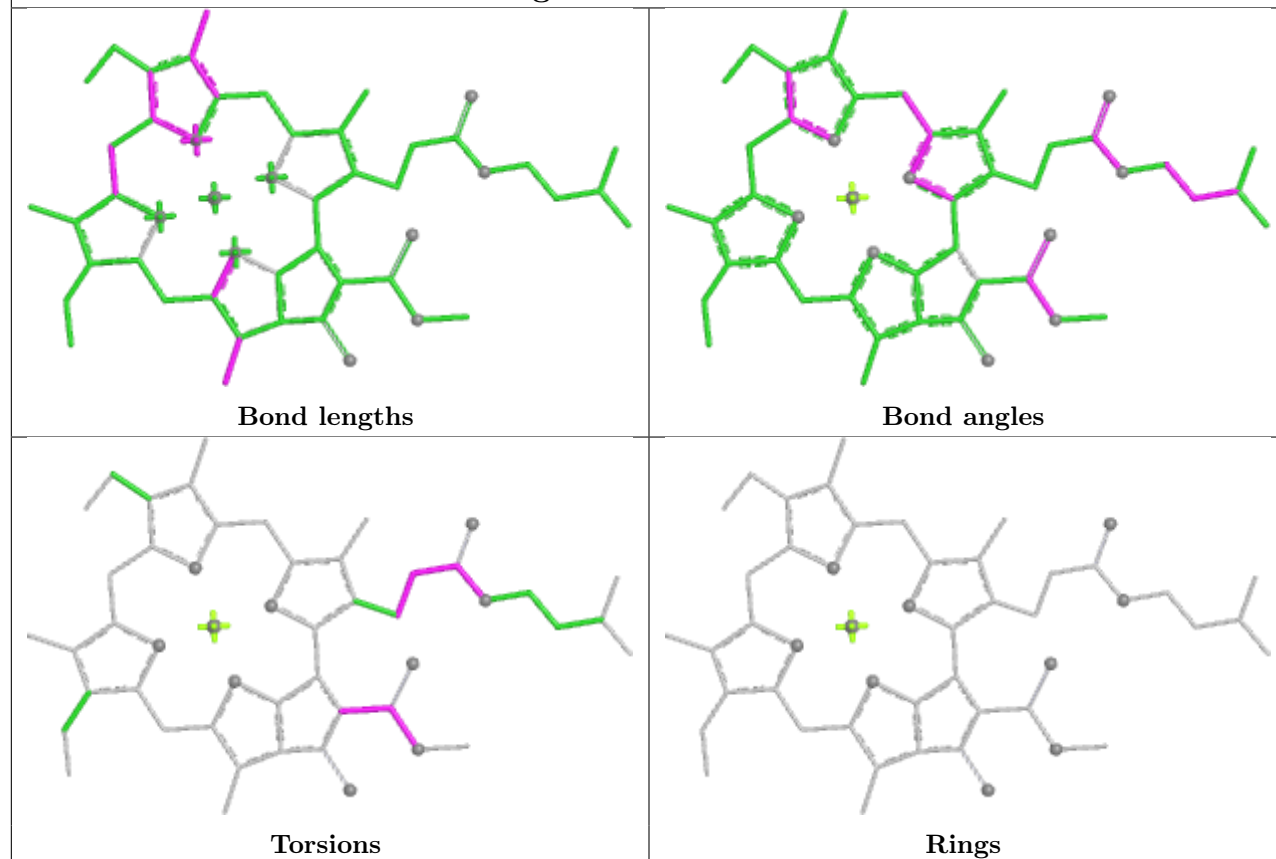
Torsions



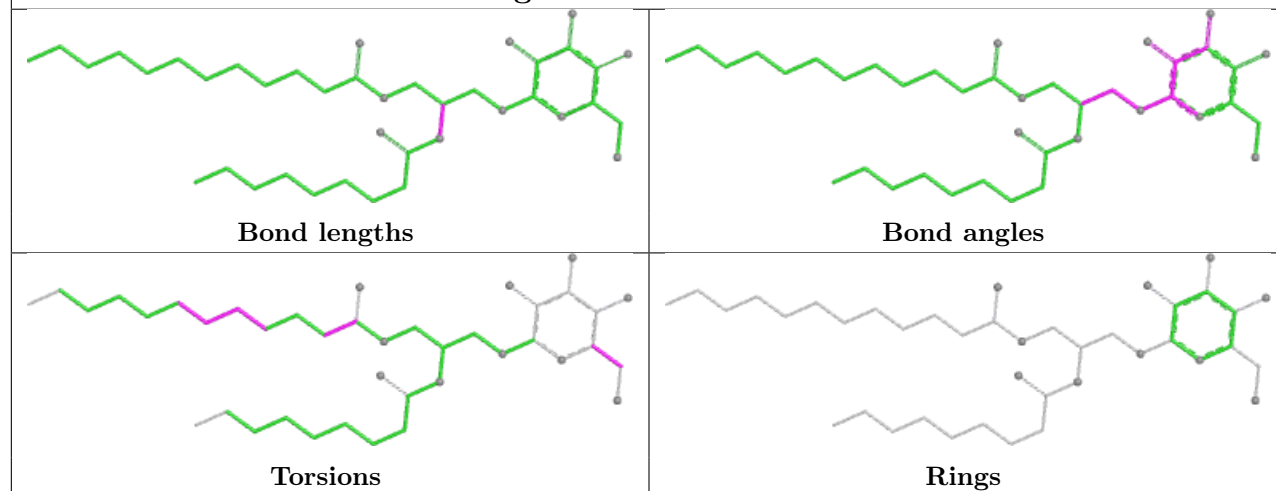
Rings



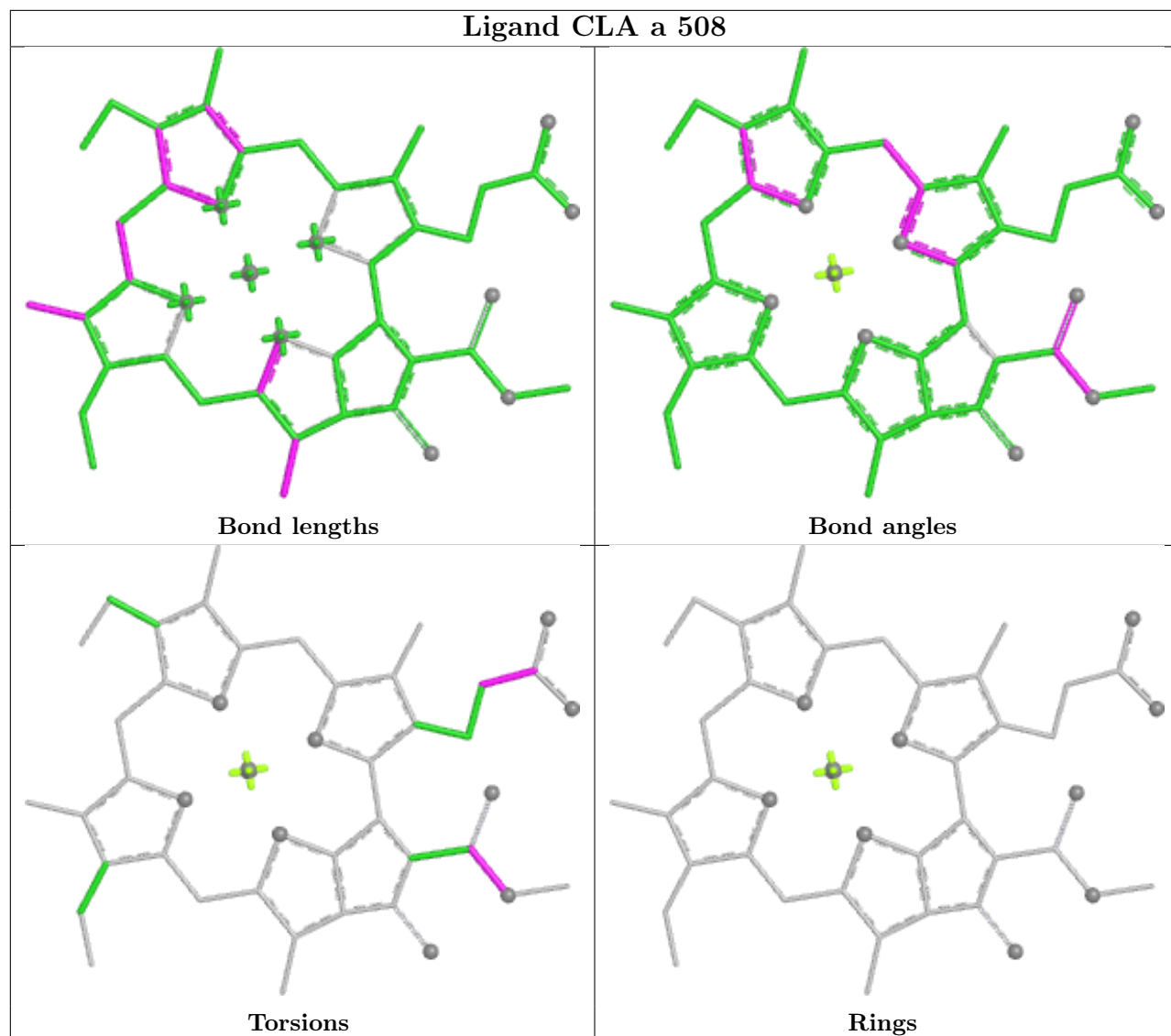
Ligand CLA T 518



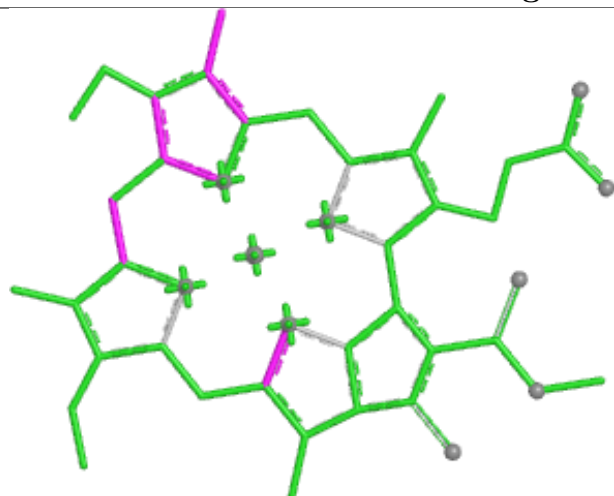
Ligand LMG a2 5104



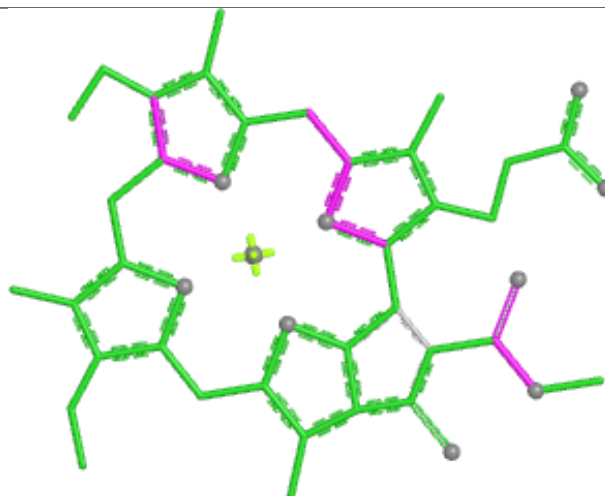
Ligand CLA a 508



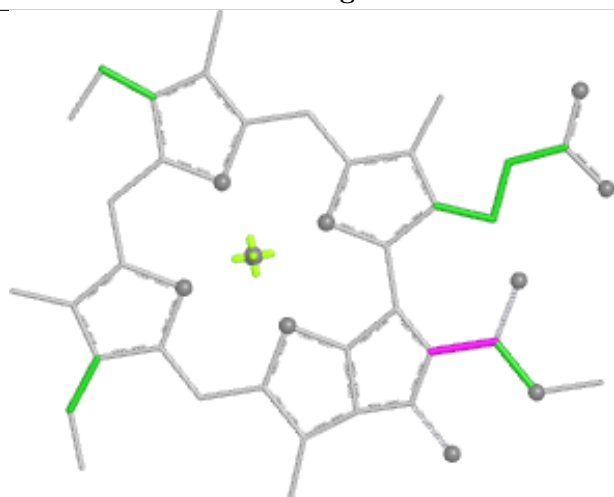
Ligand CLA i 502



Bond lengths



Bond angles

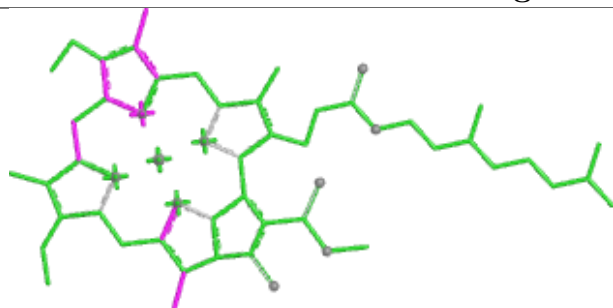


Torsions

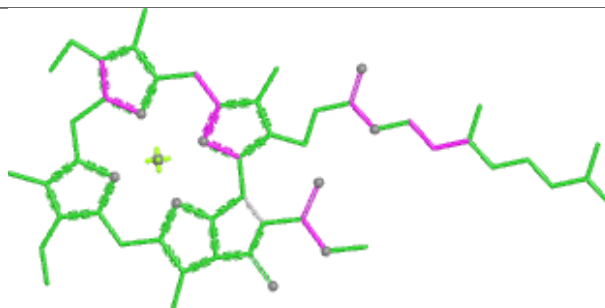


Rings

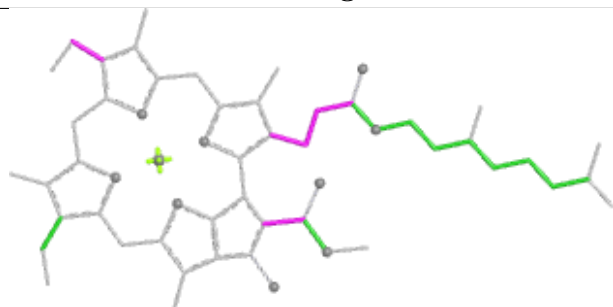
Ligand CLA X 518



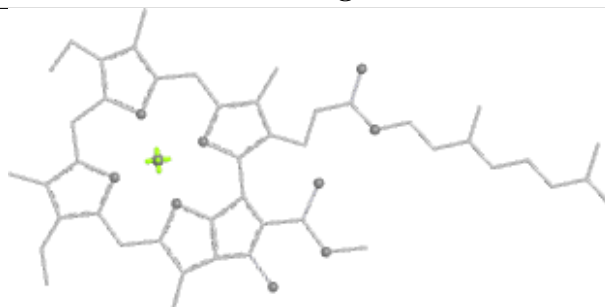
Bond lengths



Bond angles

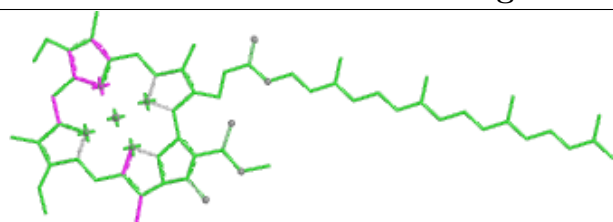


Torsions

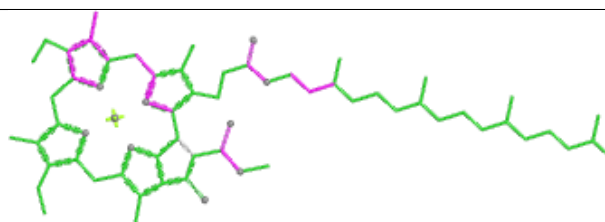


Rings

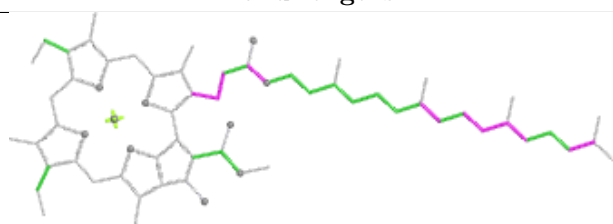
Ligand CLA aB 1225



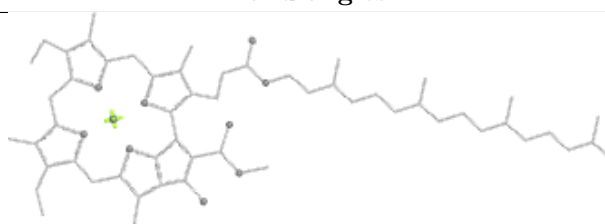
Bond lengths



Bond angles

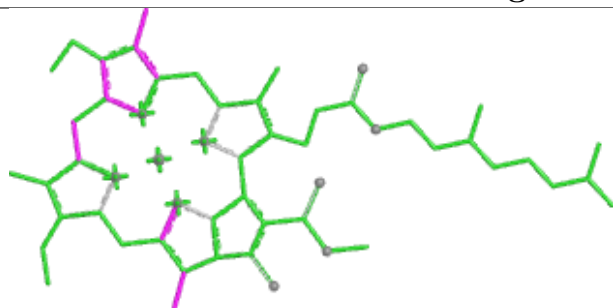


Torsions

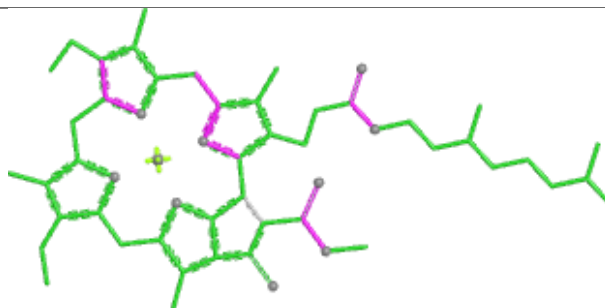


Rings

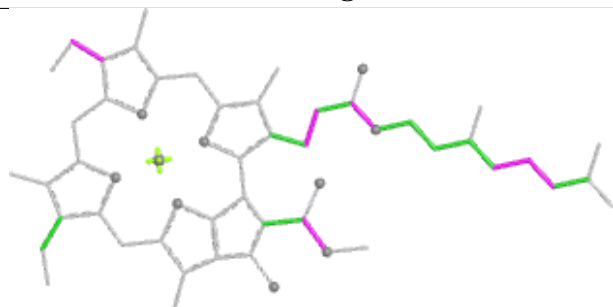
Ligand CLA b1 504



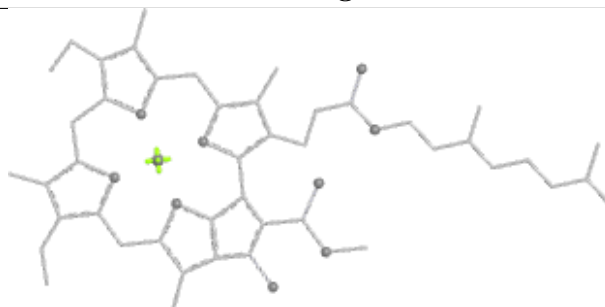
Bond lengths



Bond angles

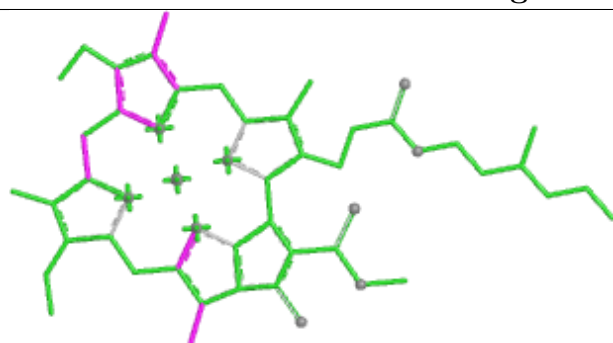


Torsions

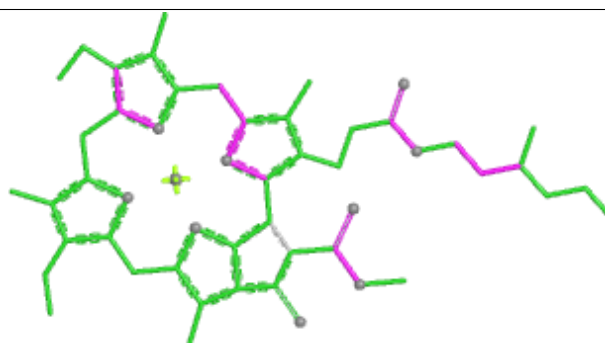


Rings

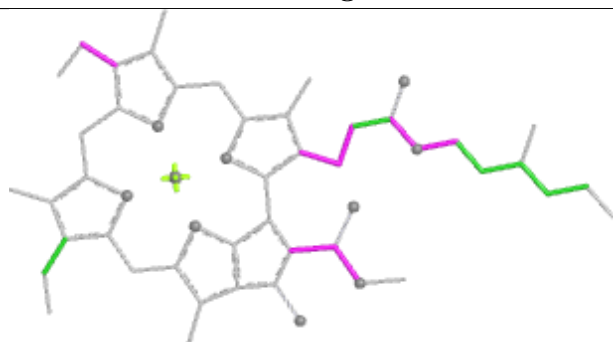
Ligand CLA c2 512



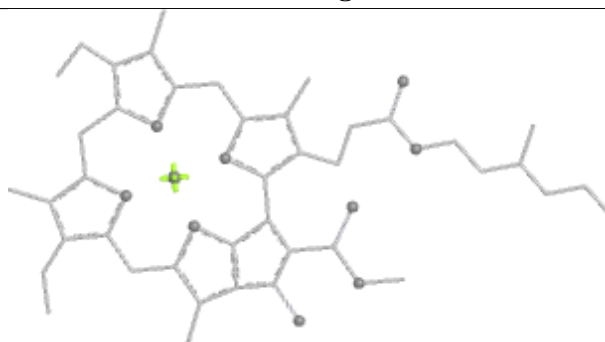
Bond lengths



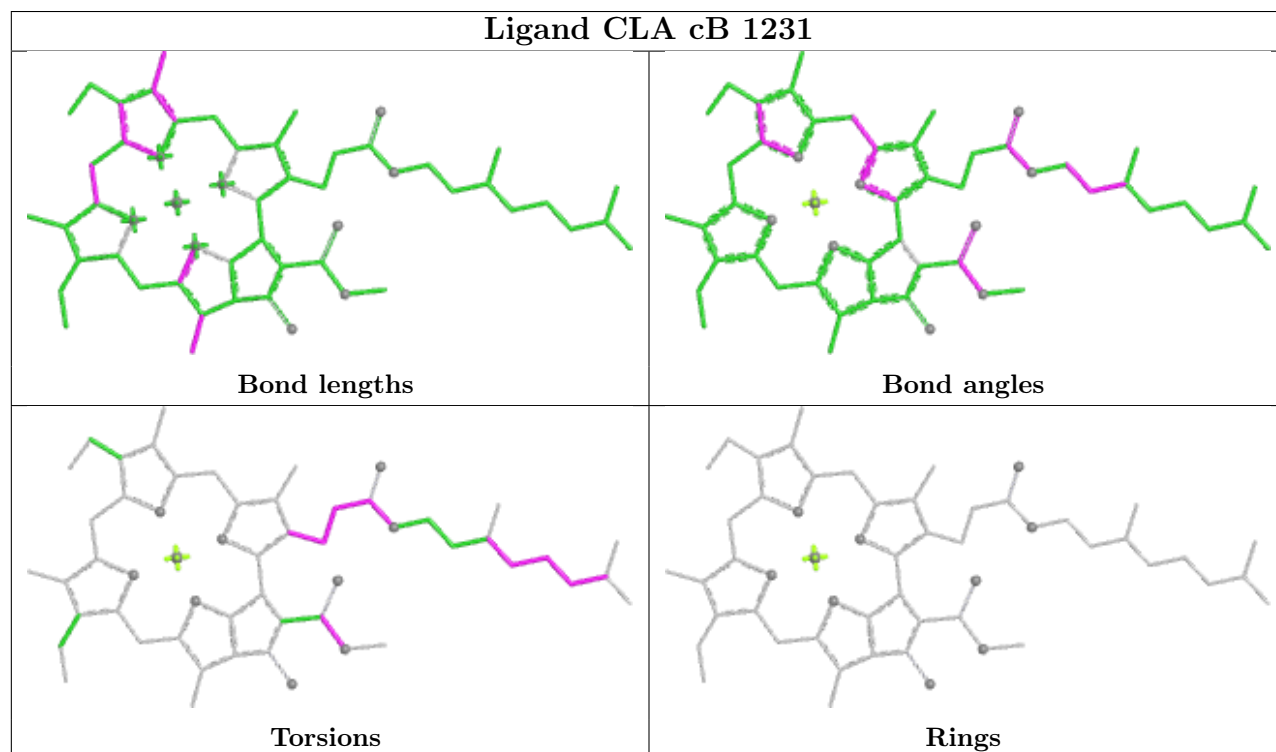
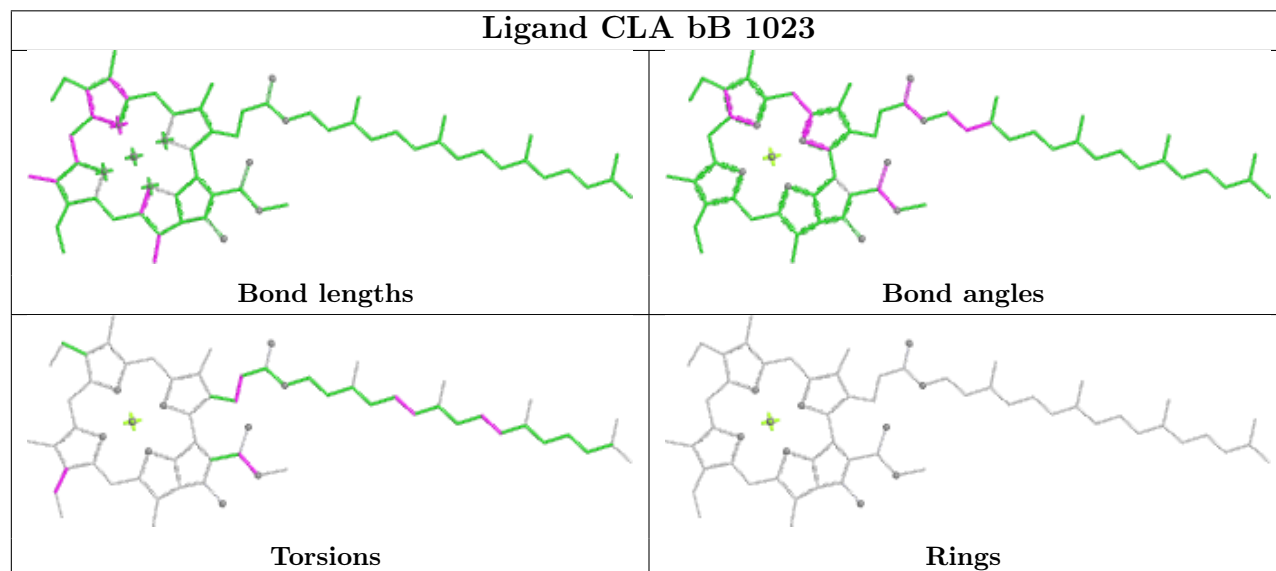
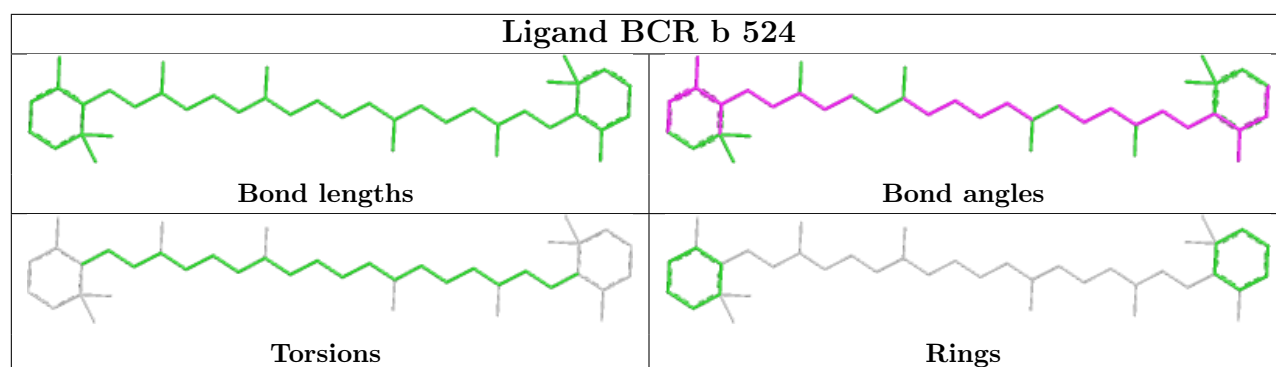
Bond angles

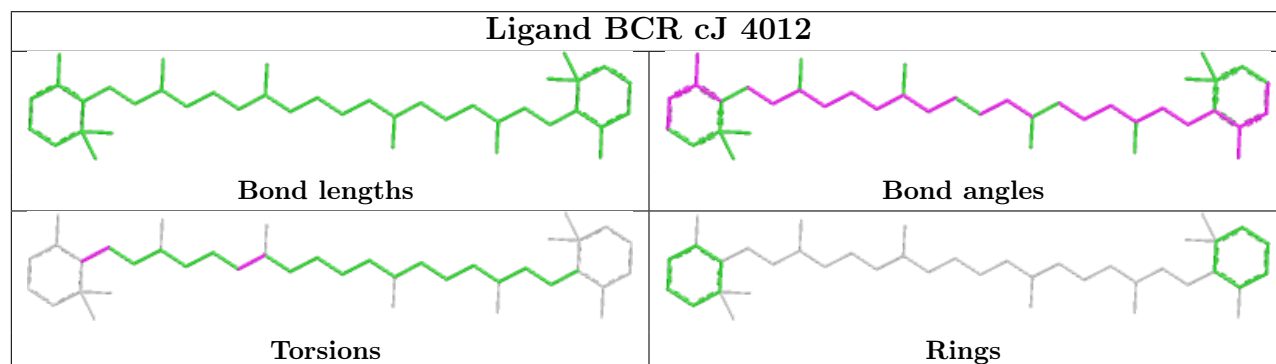
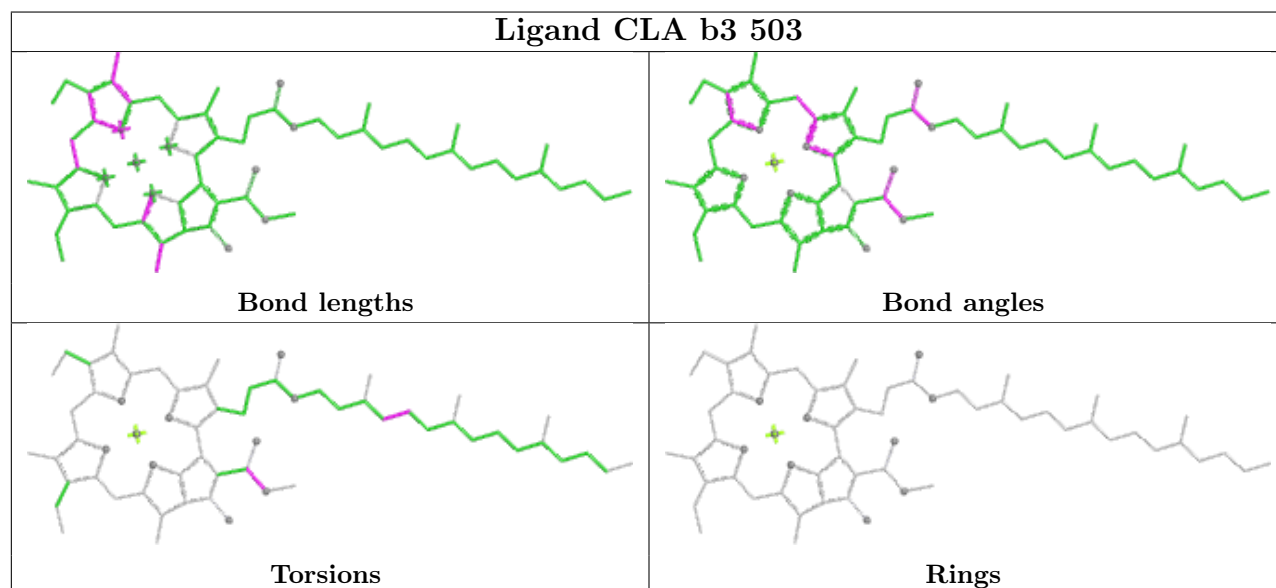
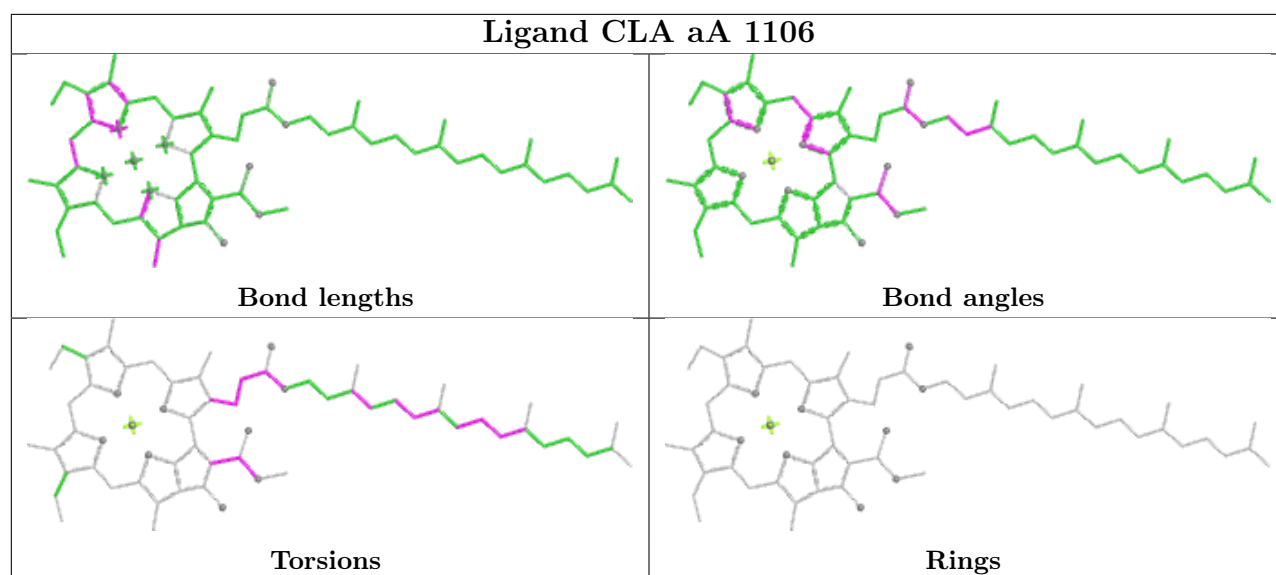


Torsions

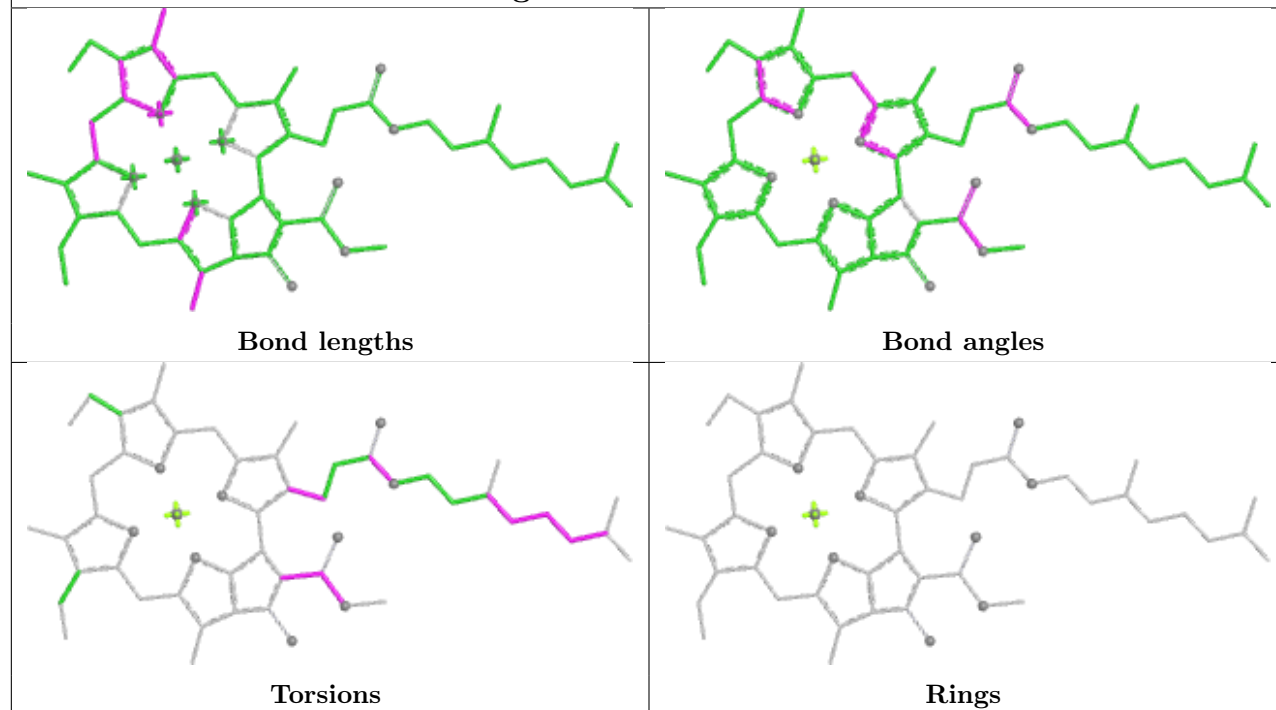


Rings

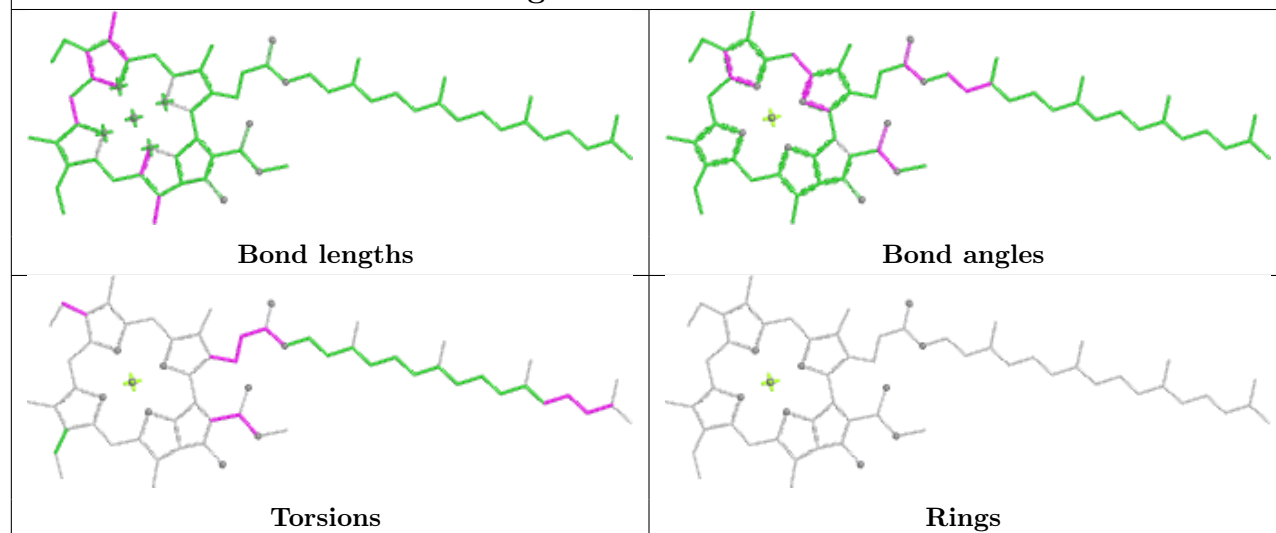


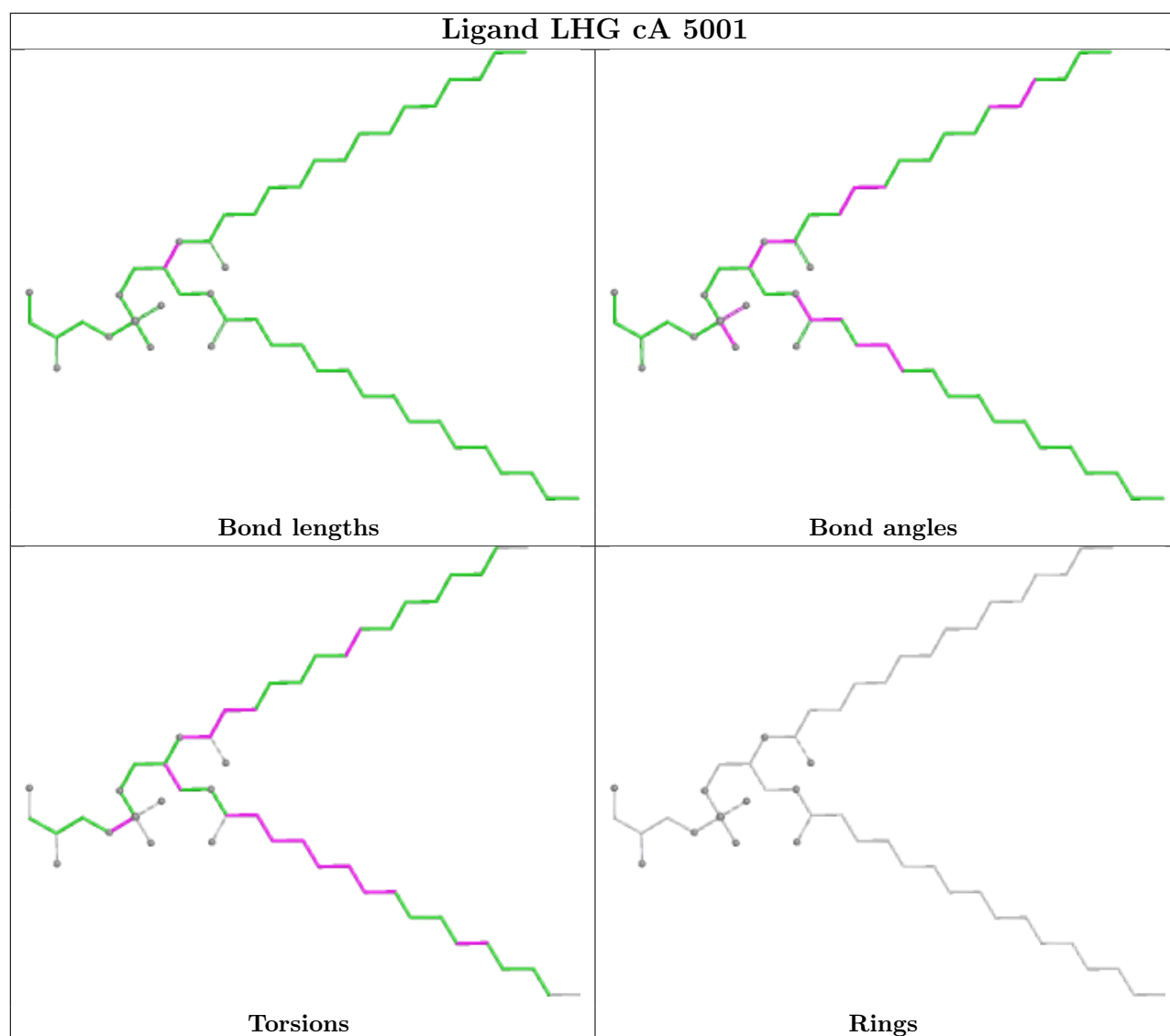


Ligand CLA bA 1129

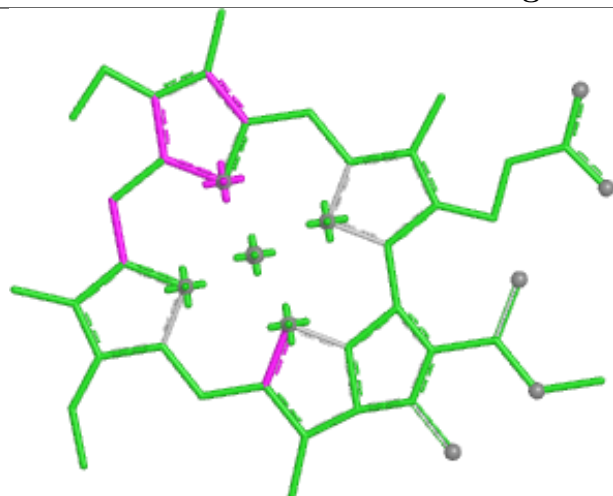


Ligand CLA a2 501





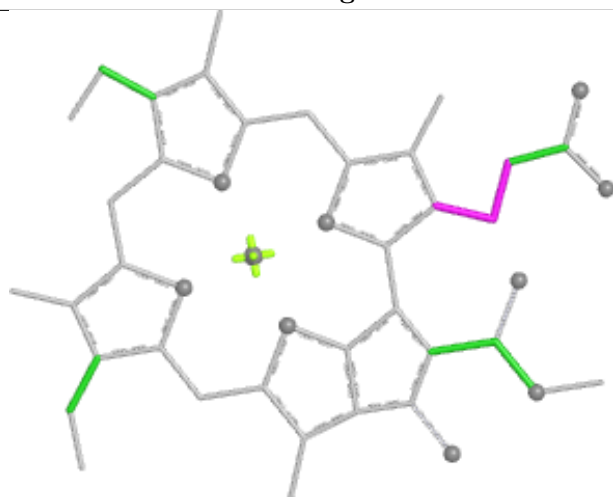
Ligand CLA l 513



Bond lengths



Bond angles

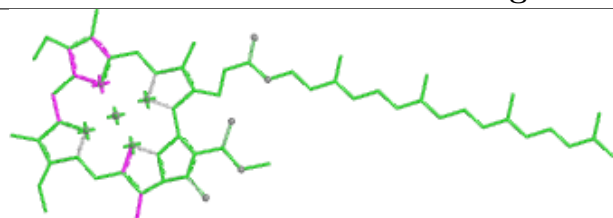


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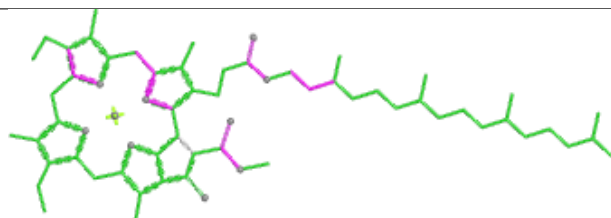


Rings

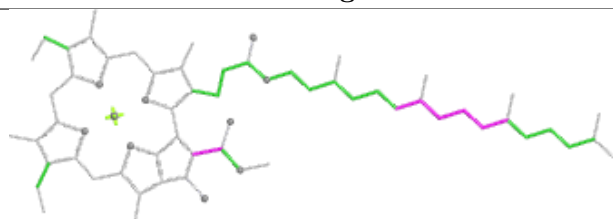
Ligand CLA a2 509



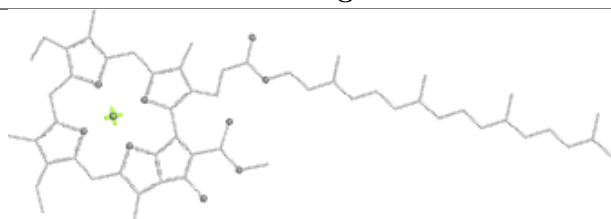
Bond lengths



Bond angles

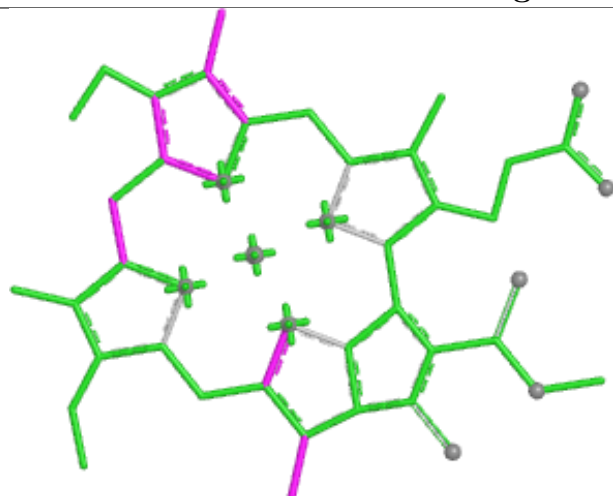


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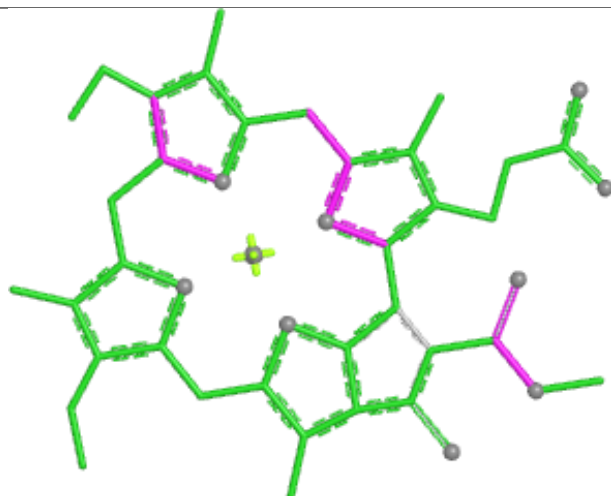


Rings

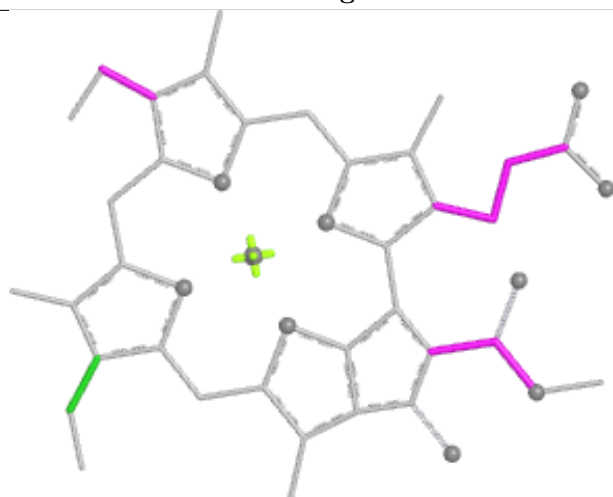
Ligand CLA U 517



Bond lengths



Bond angles

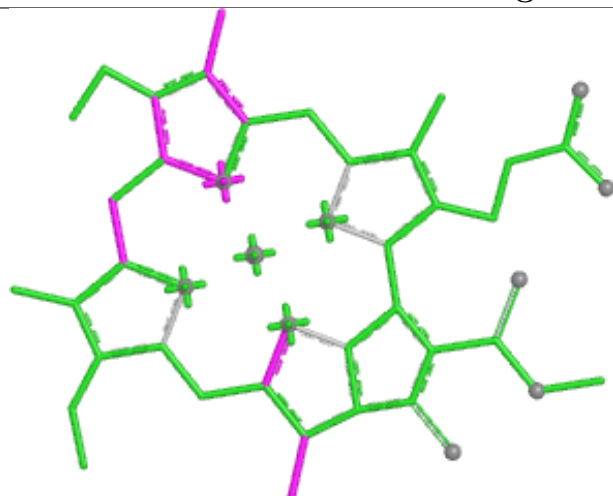


Torsions



Rings

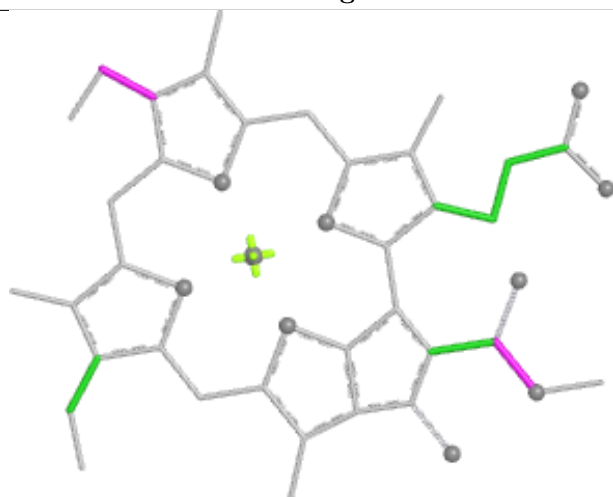
Ligand CLA Z 519



Bond lengths



Bond angles

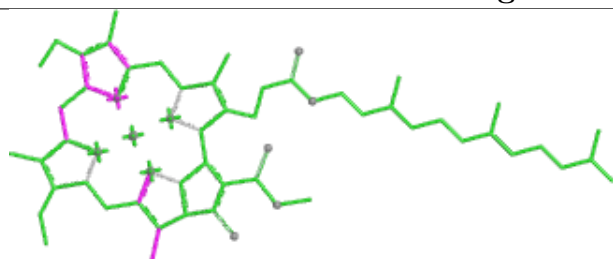


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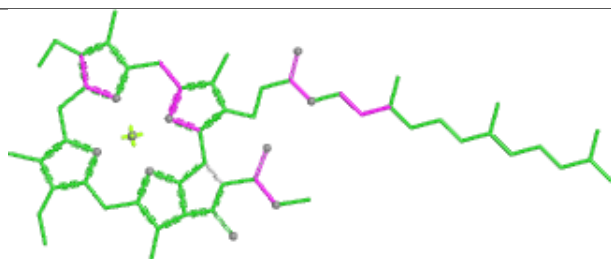


Rings

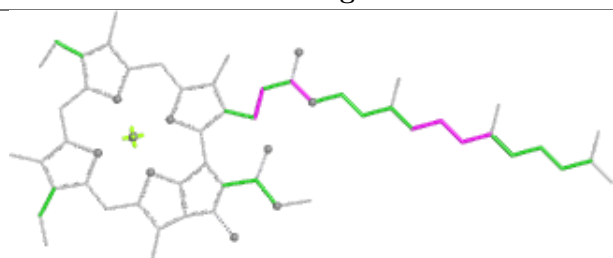
Ligand CLA cB 1213



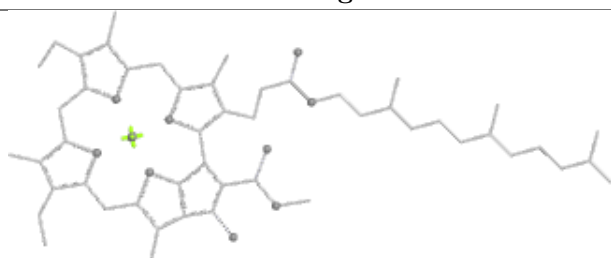
Bond lengths



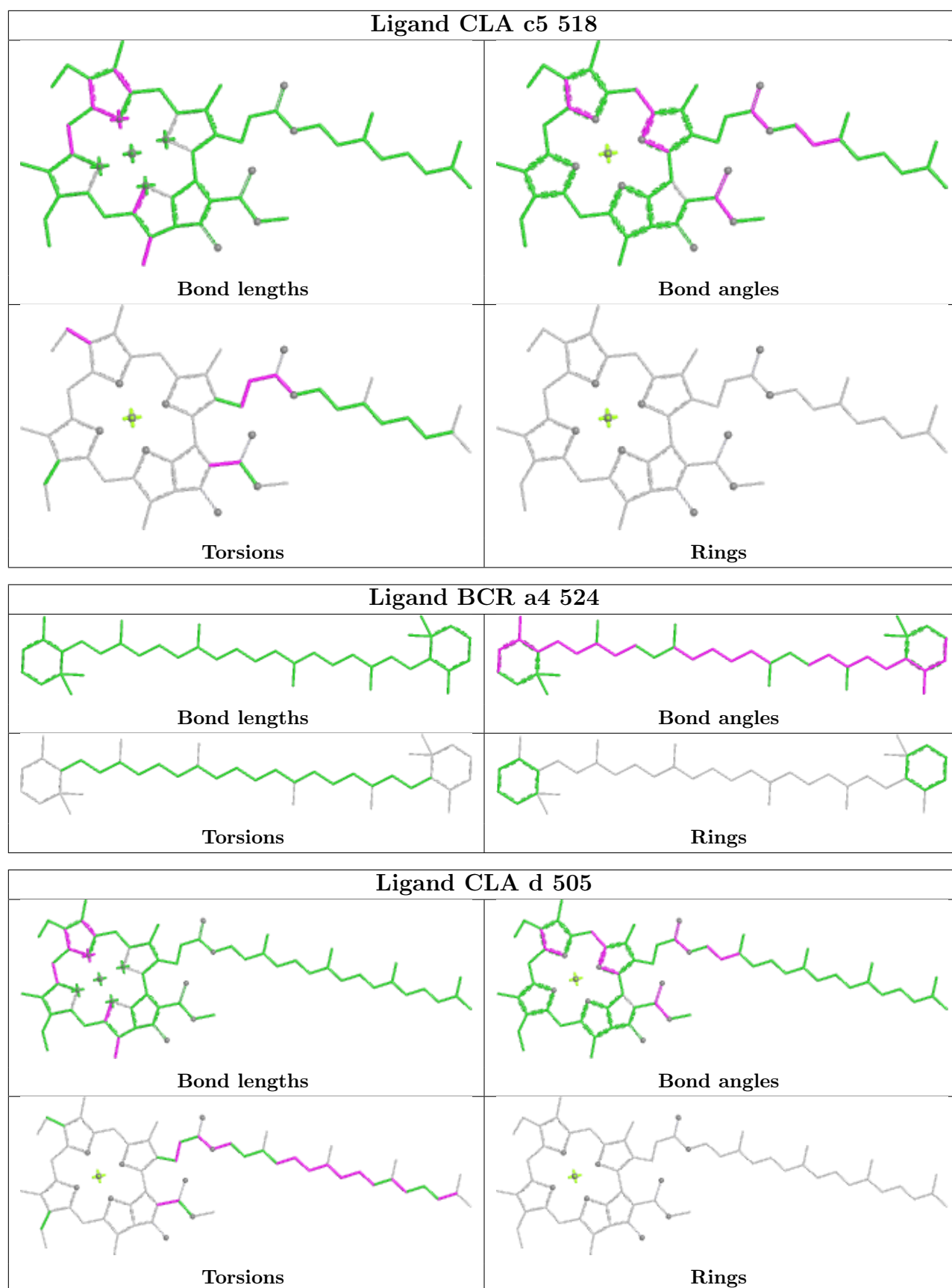
Bond angles



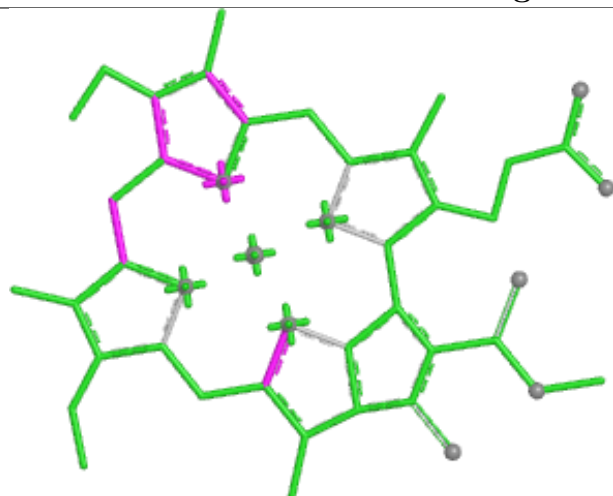
Torsions



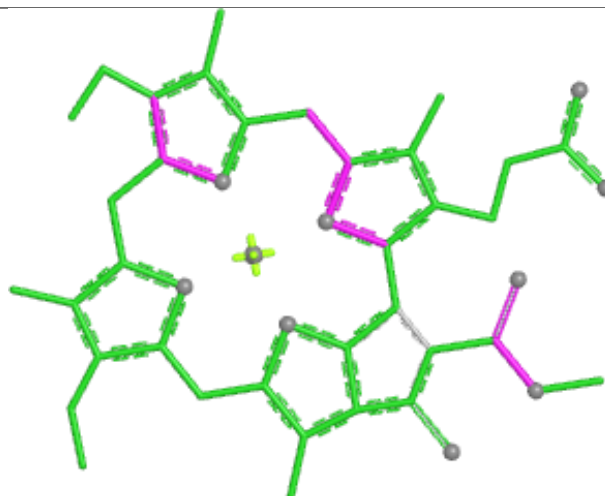
Rings



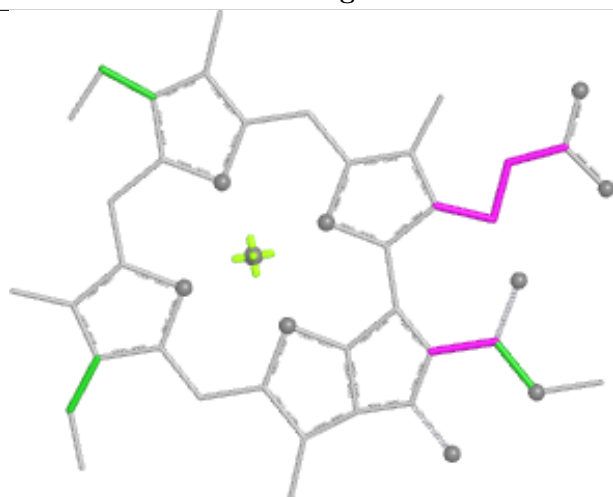
Ligand CLA U 518



Bond lengths



Bond angles

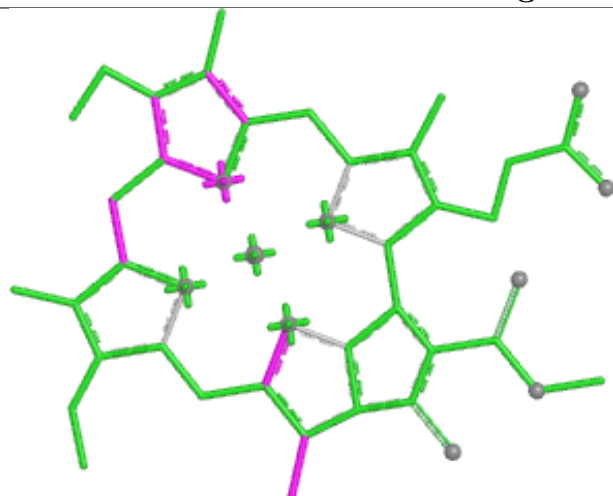


Torsions

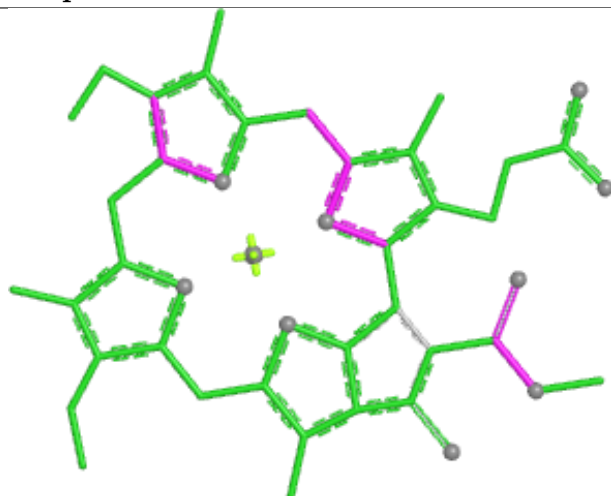


Rings

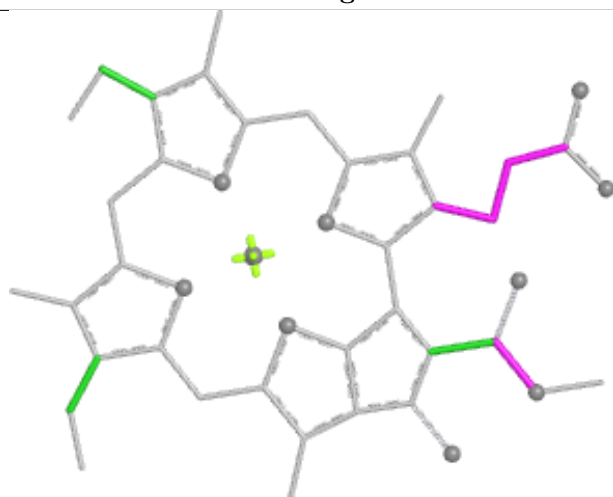
Ligand CLA q 518



Bond lengths



Bond angles

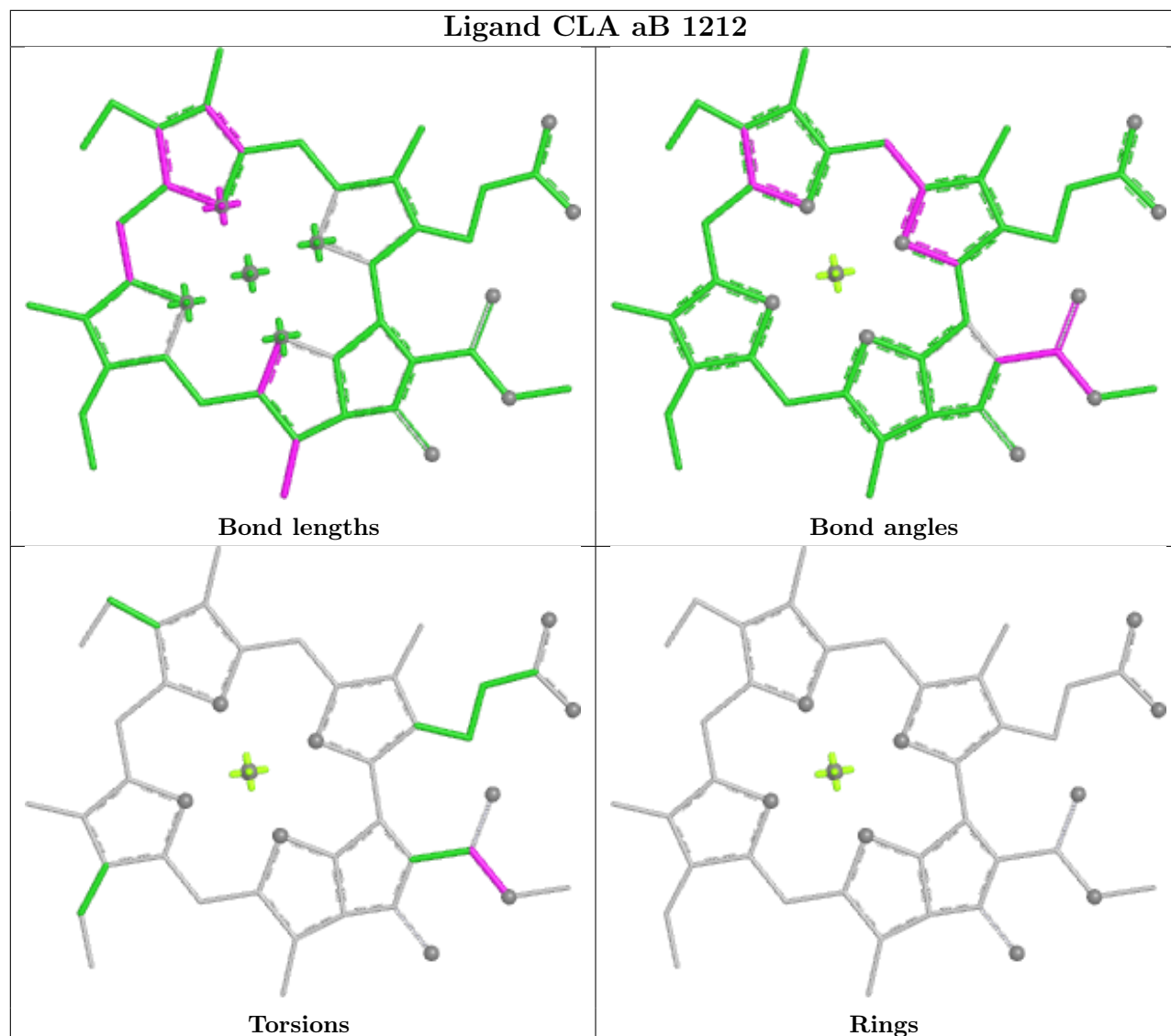


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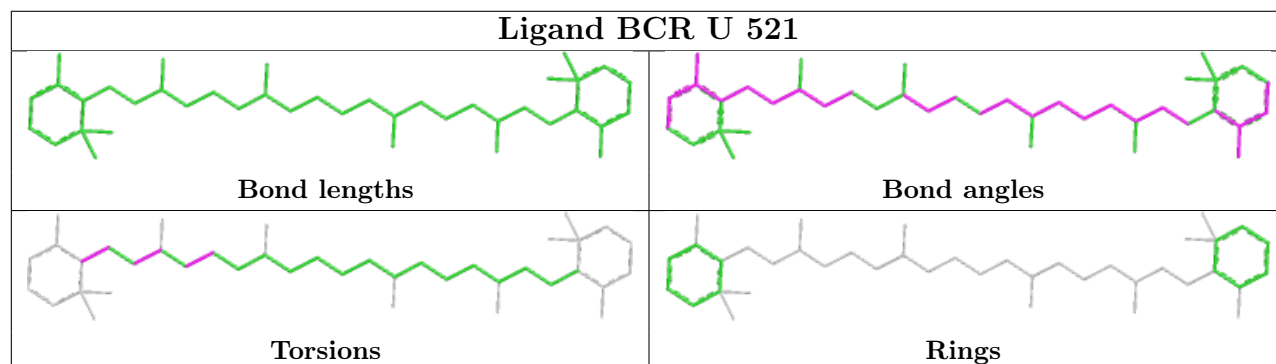


Rings

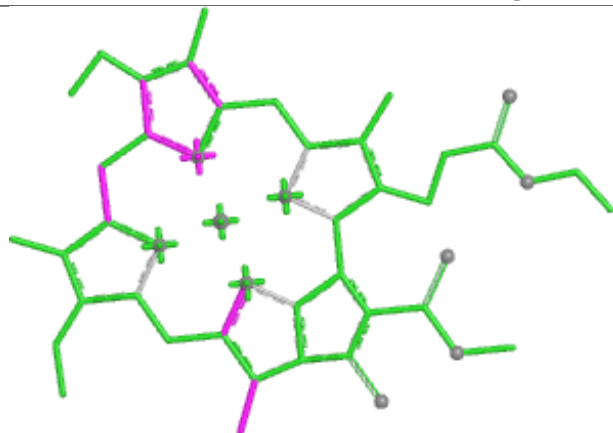
Ligand CLA aB 1212



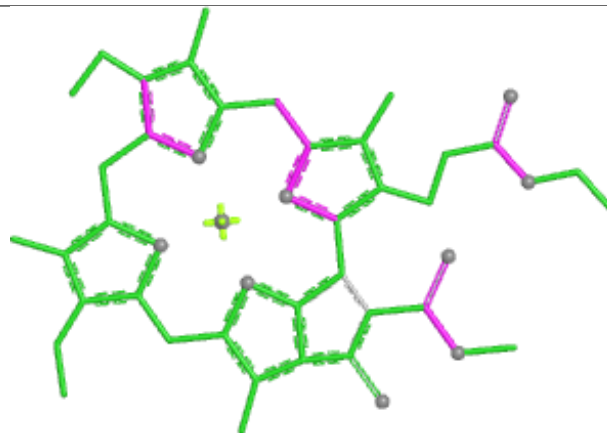
Ligand BCR U 521



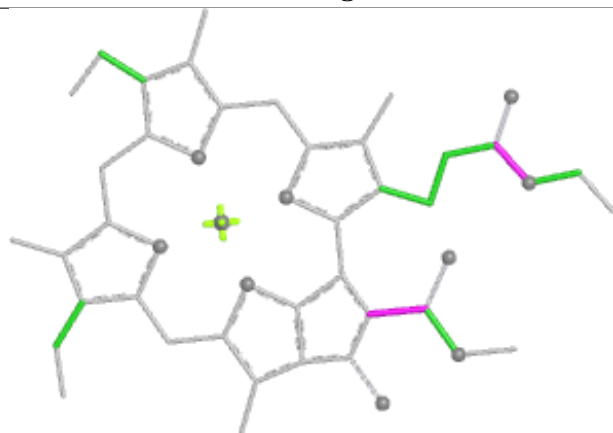
Ligand CLA b2 513



Bond lengths



Bond angles

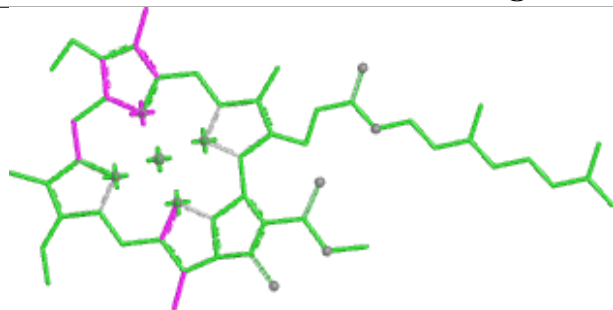


Torsions

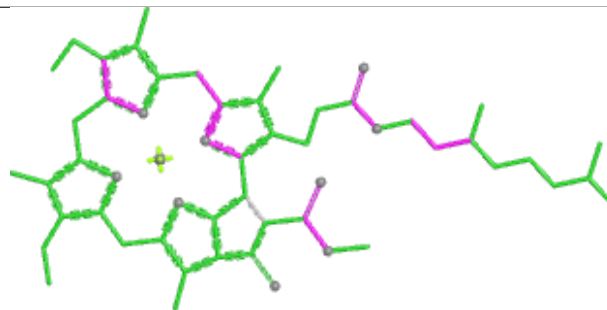


Rings

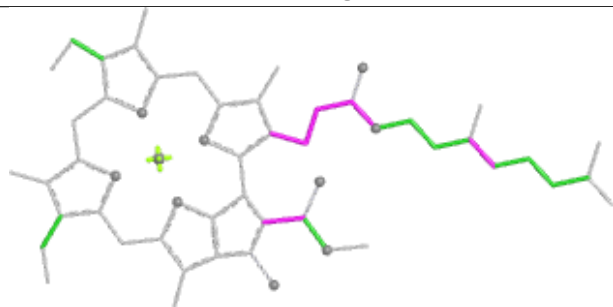
Ligand CLA b1 518



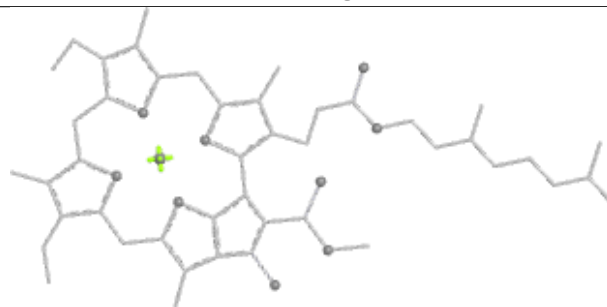
Bond lengths



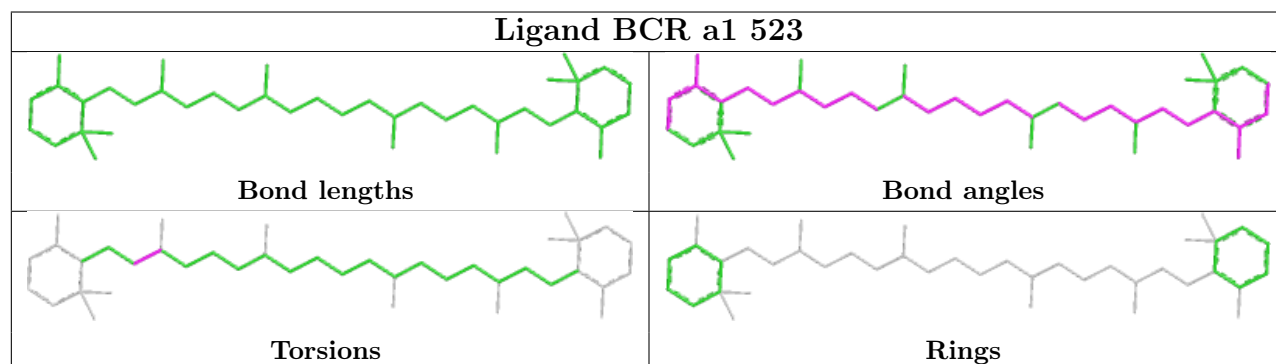
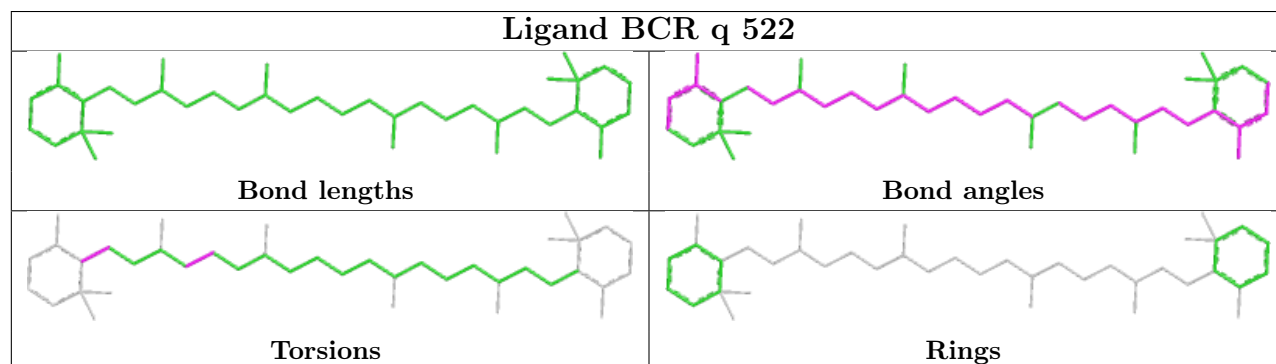
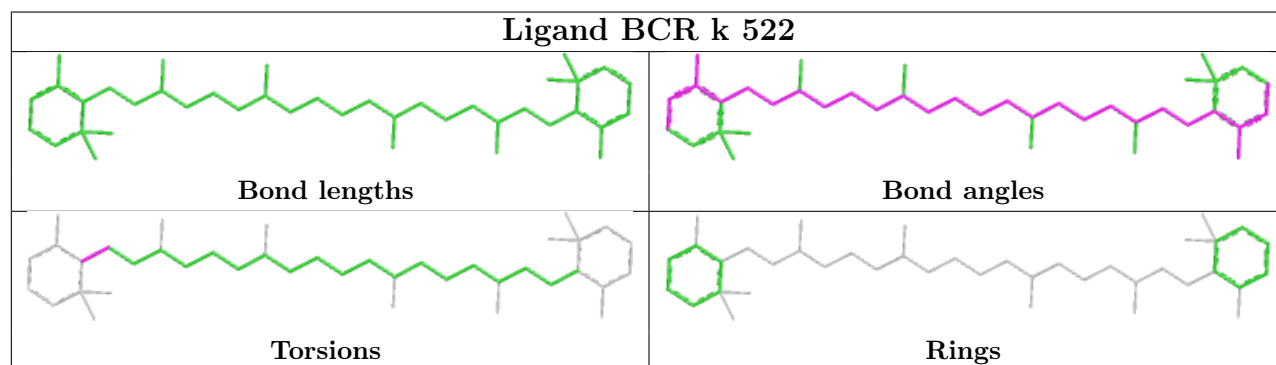
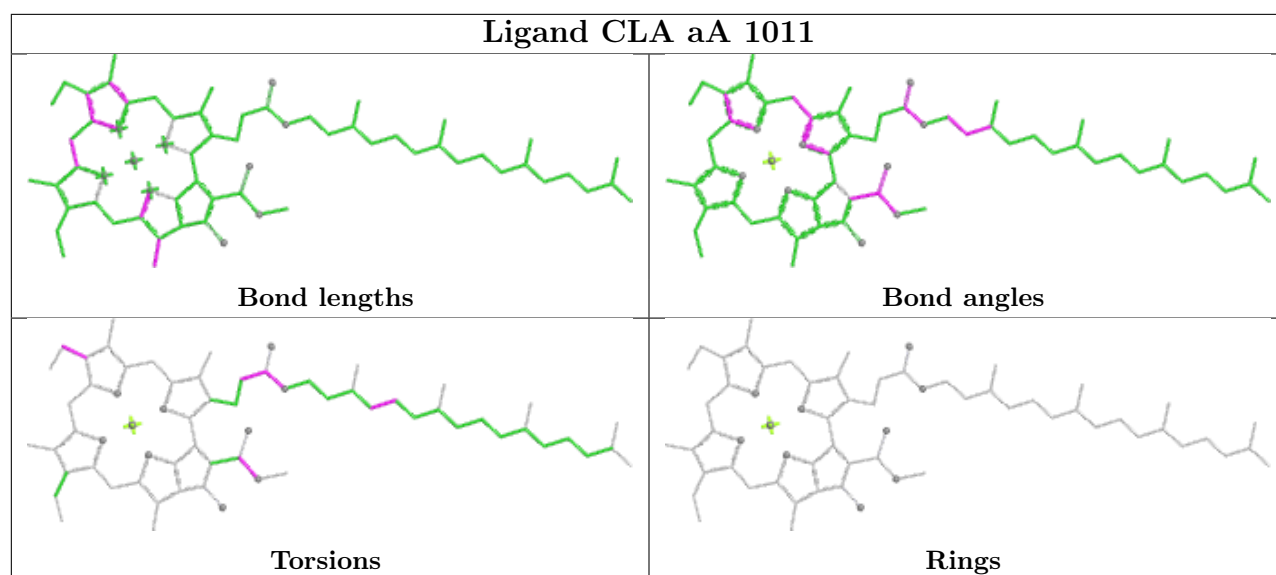
Bond angles

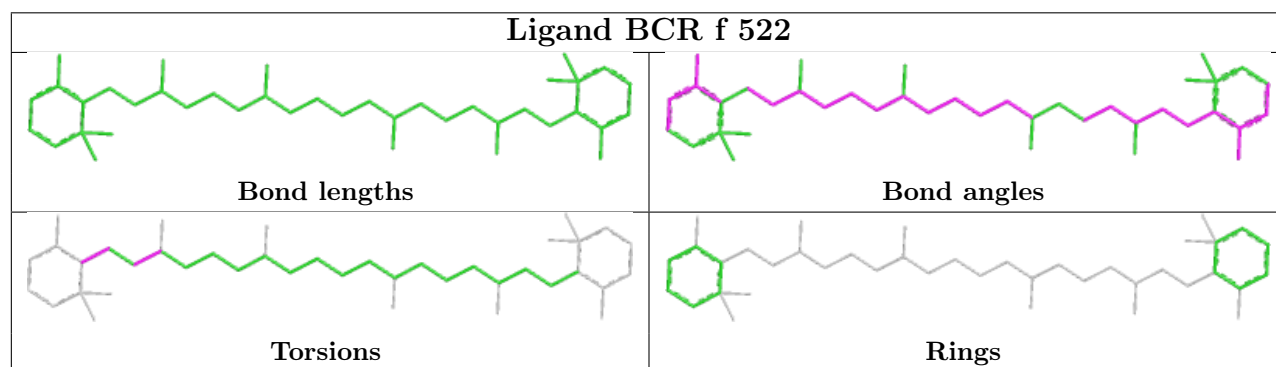
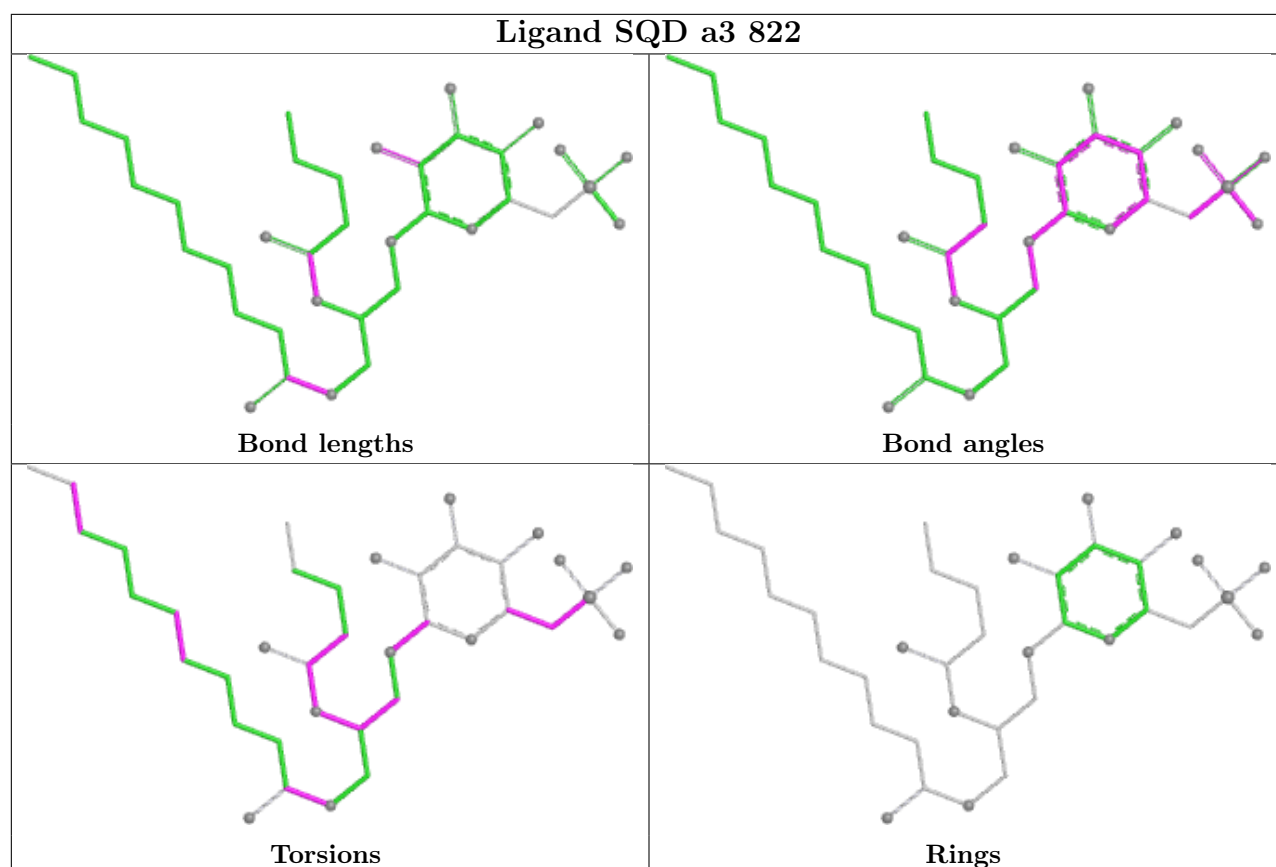


Torsions

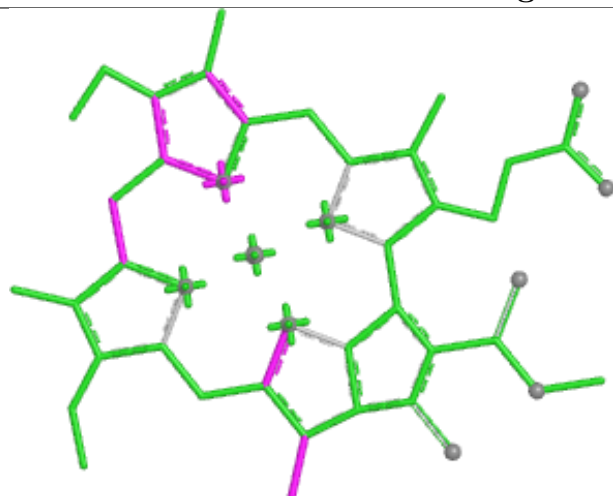


Rings





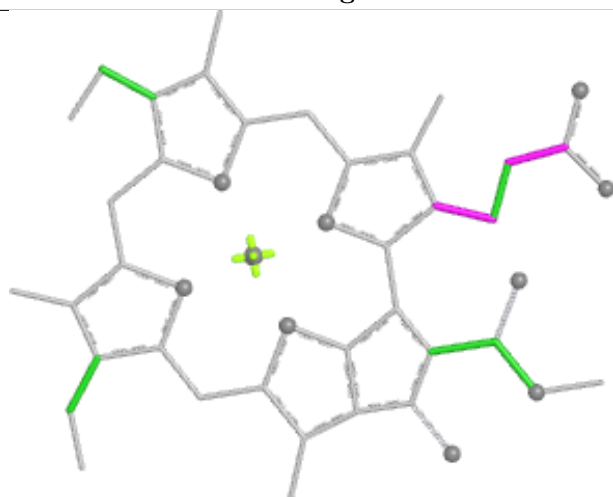
Ligand CLA n 519



Bond lengths



Bond angles

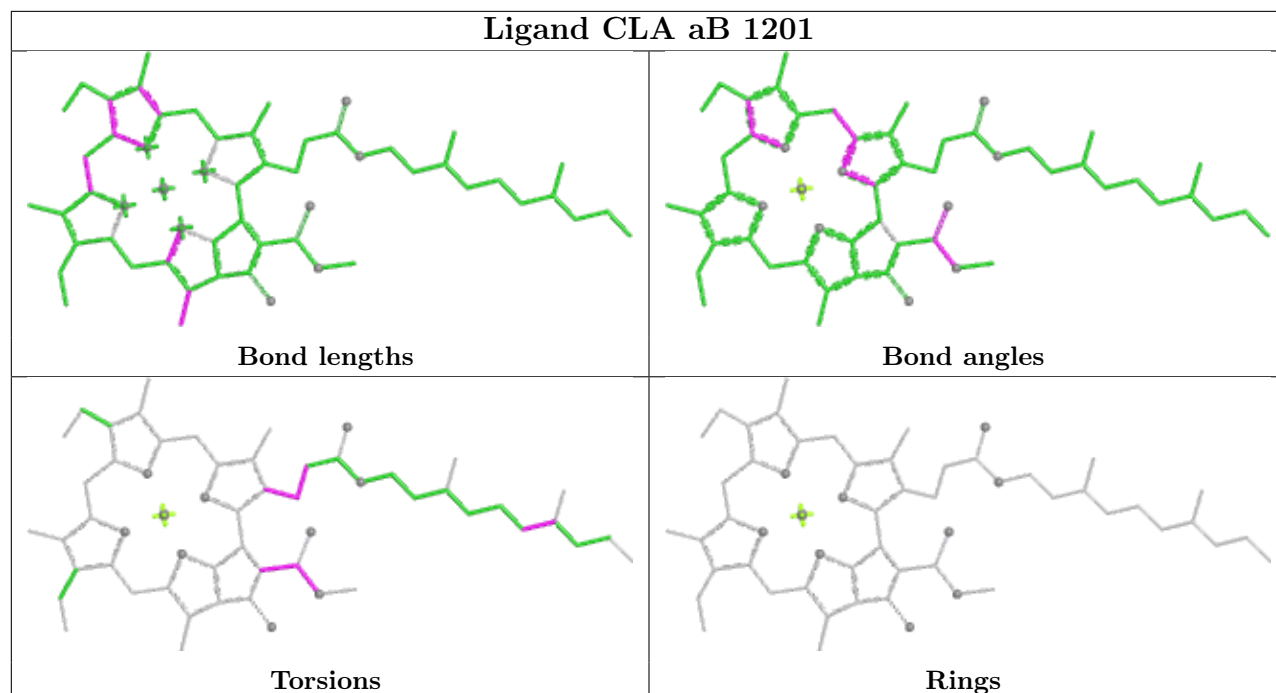


Torsions

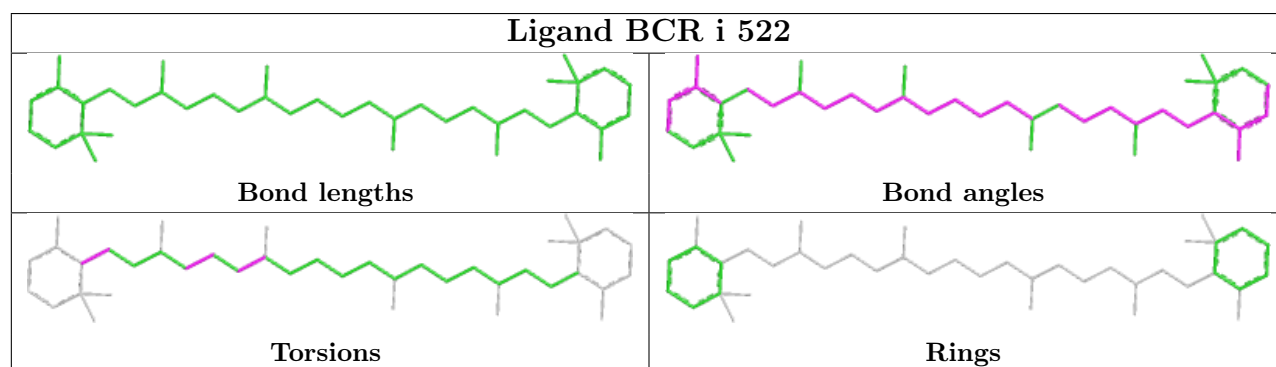


Rings

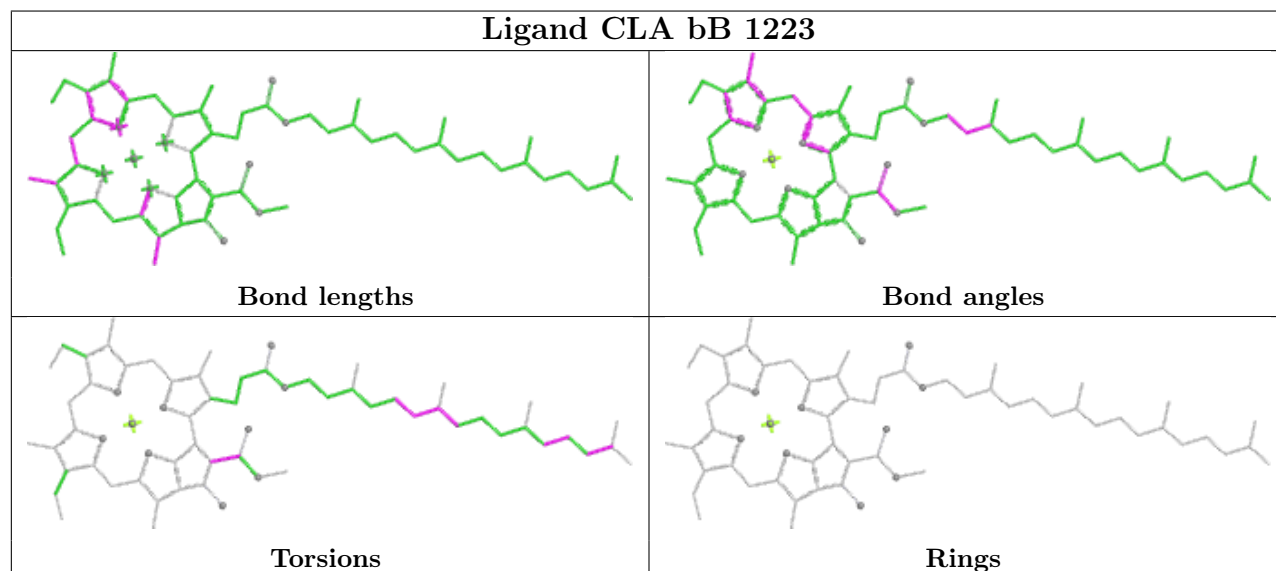
Ligand CLA aB 1201



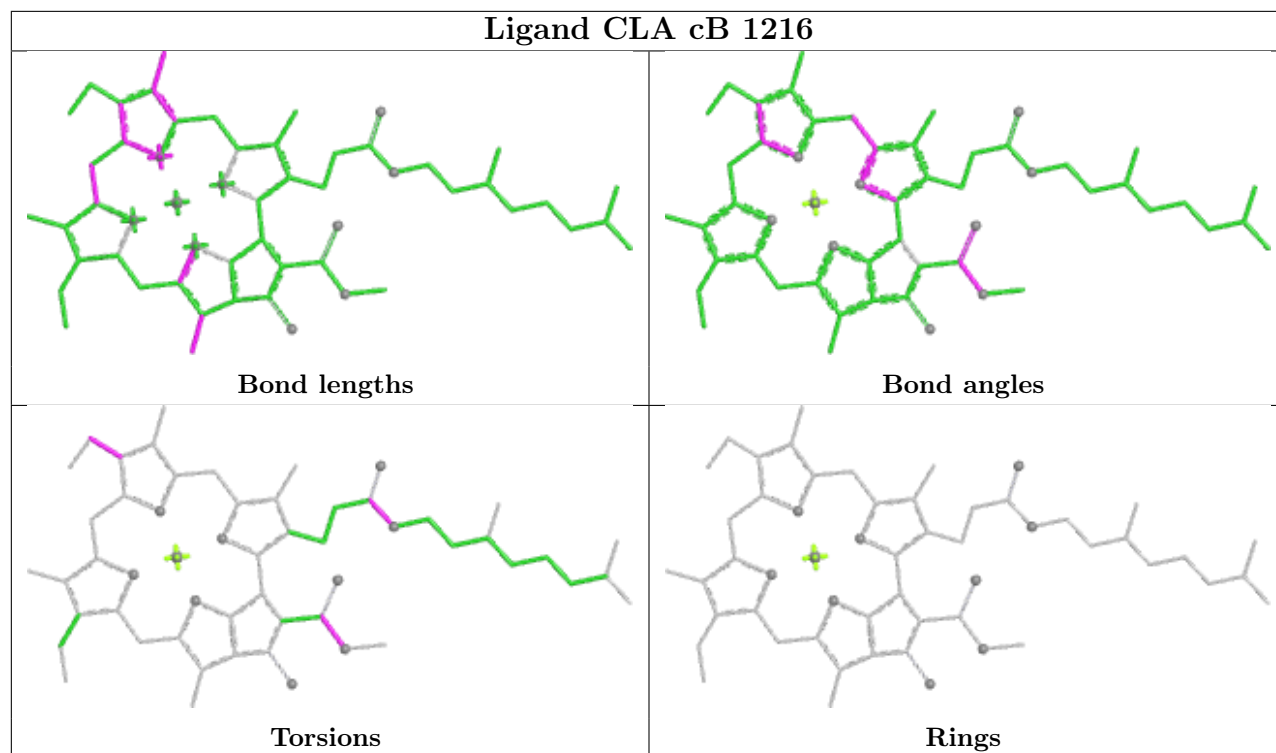
Ligand BCR i 522



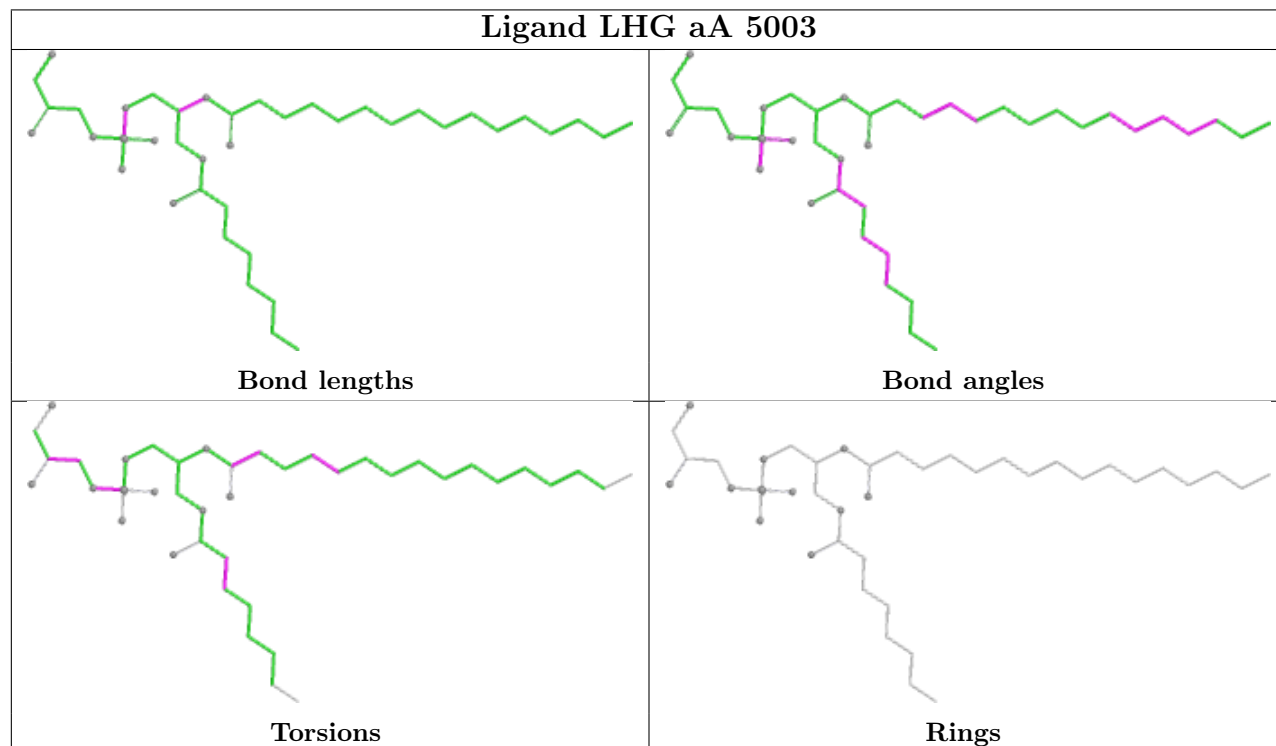
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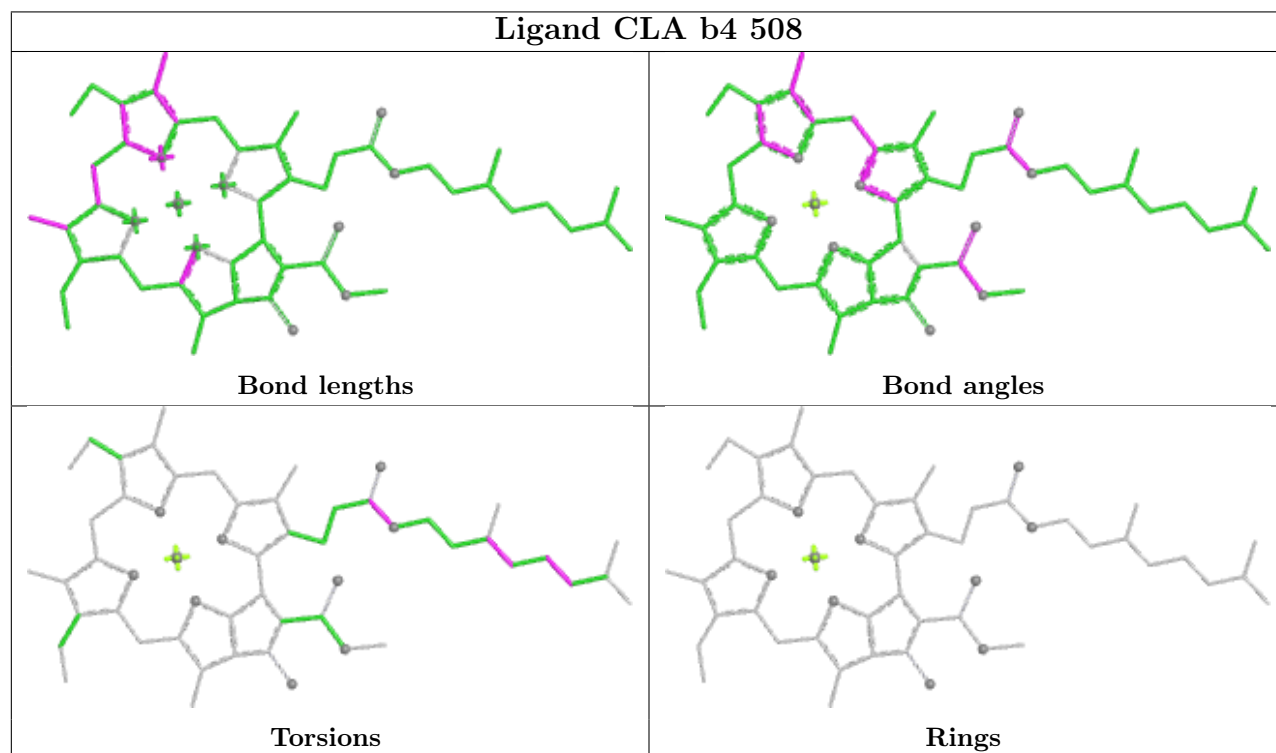
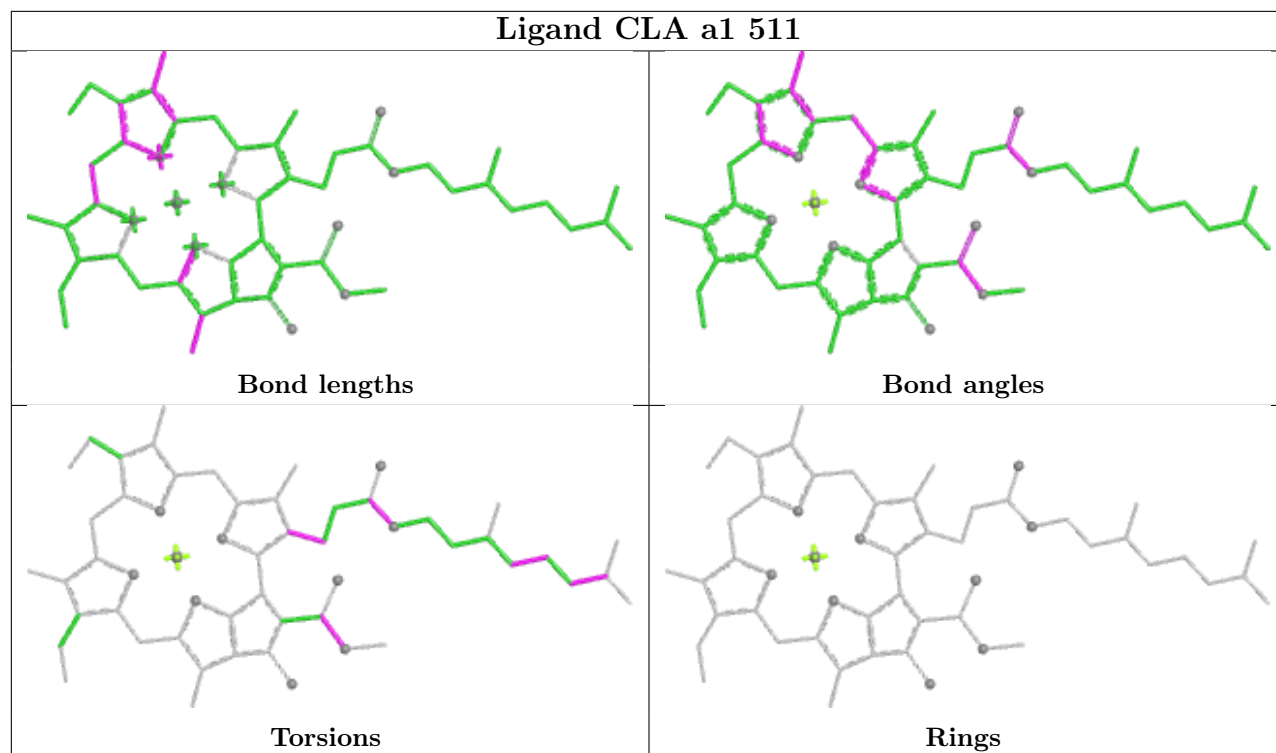


Ligand CLA cB 1216

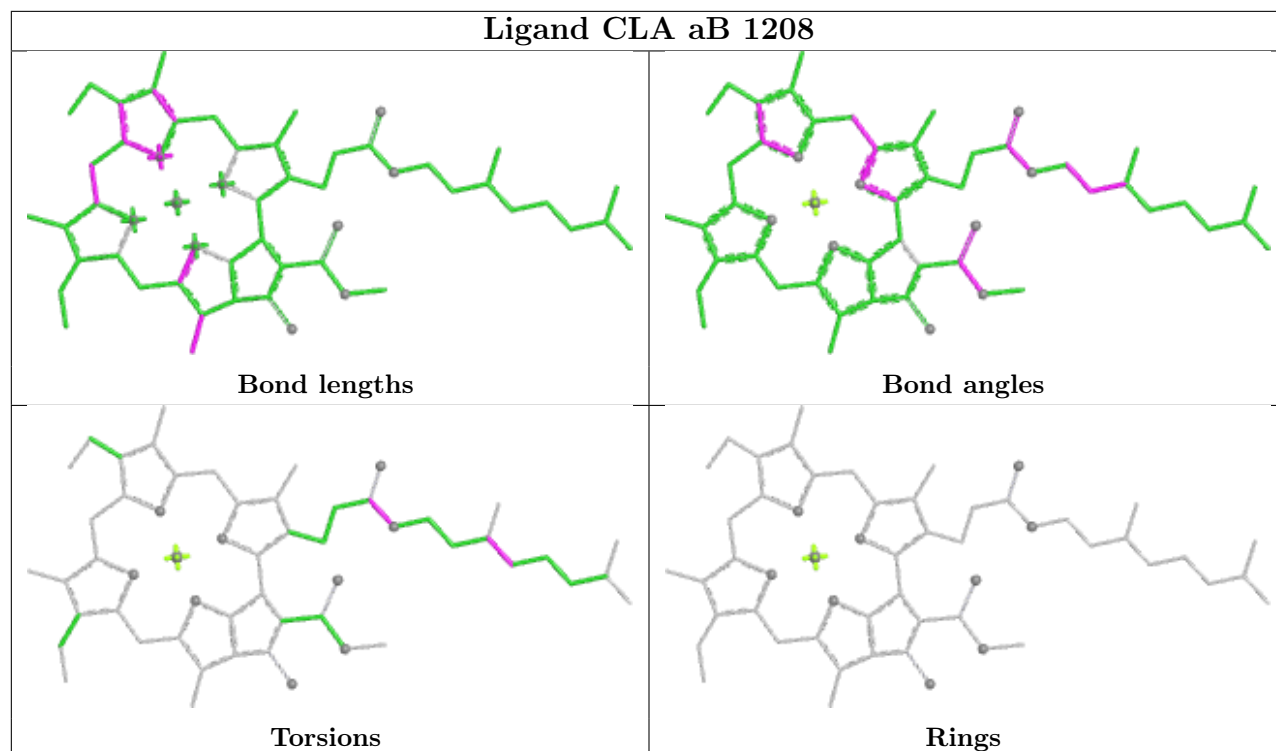


Ligand LHG aA 5003

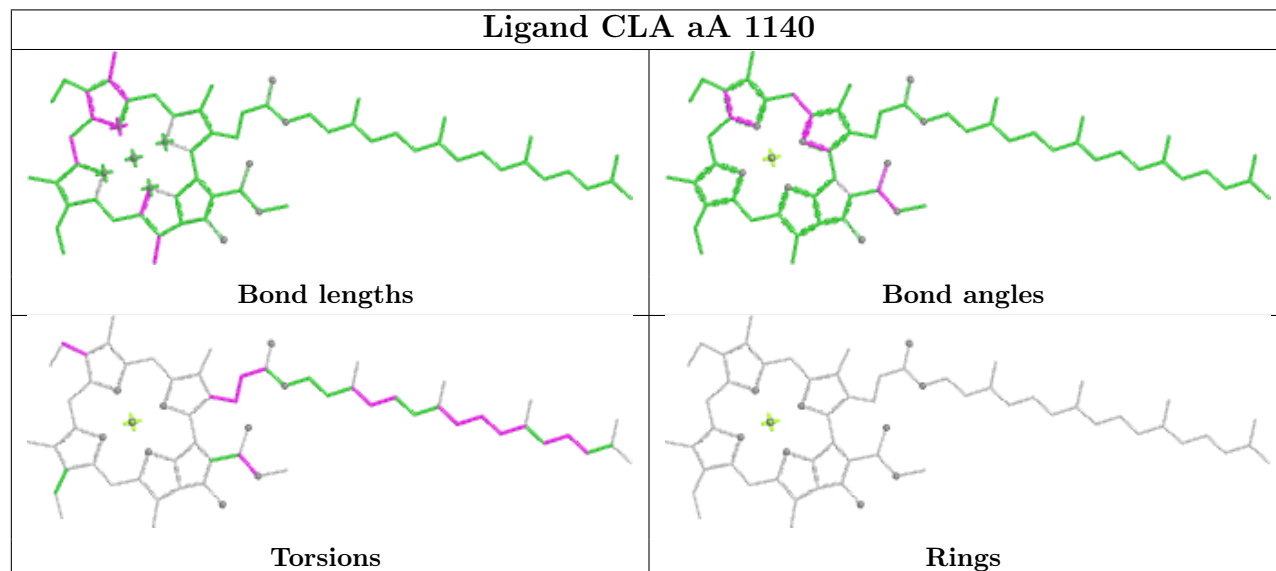




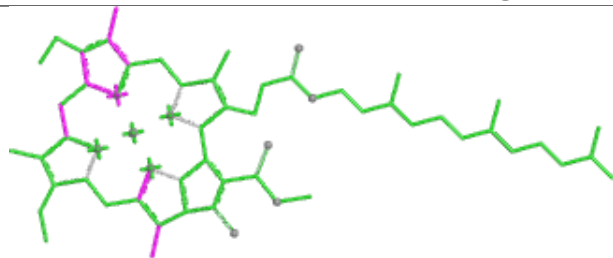
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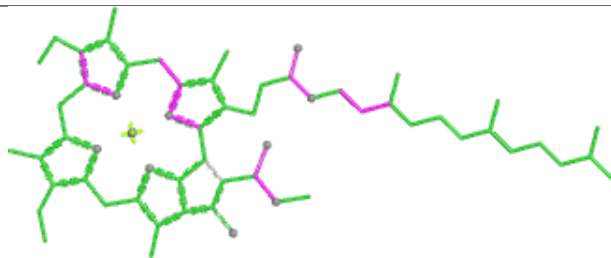
Ligand CLA aA 1140



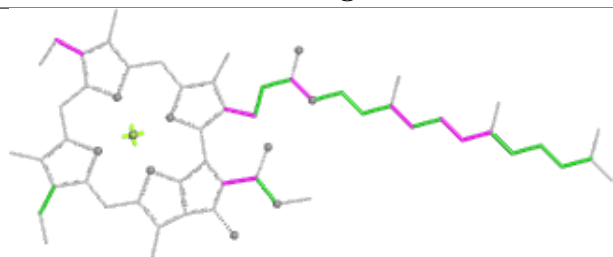
Ligand CLA aB 1234



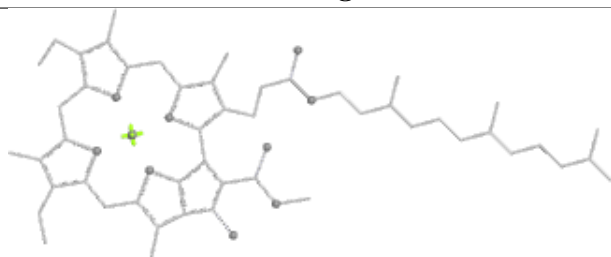
Bond lengths



Bond angles

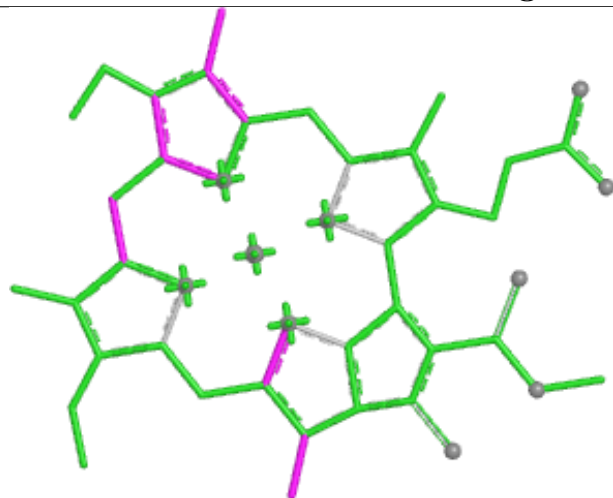


Torsions

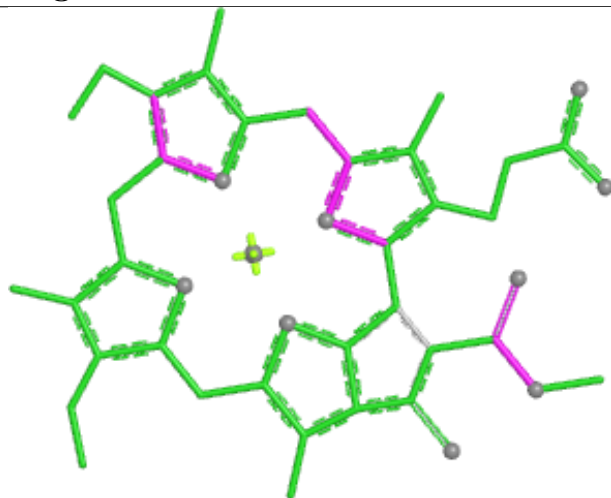


Rings

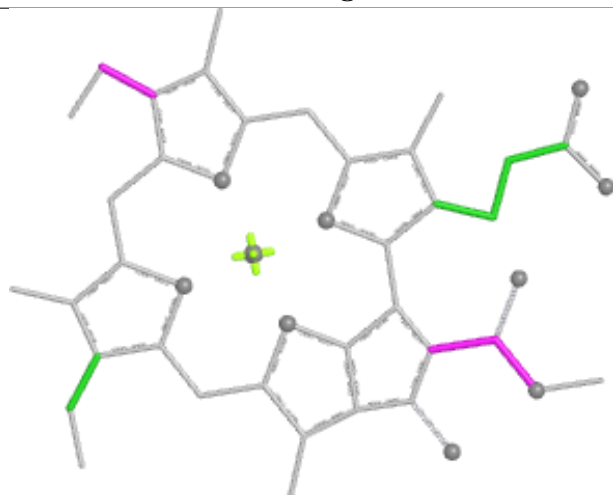
Ligand CLA g 502



Bond lengths



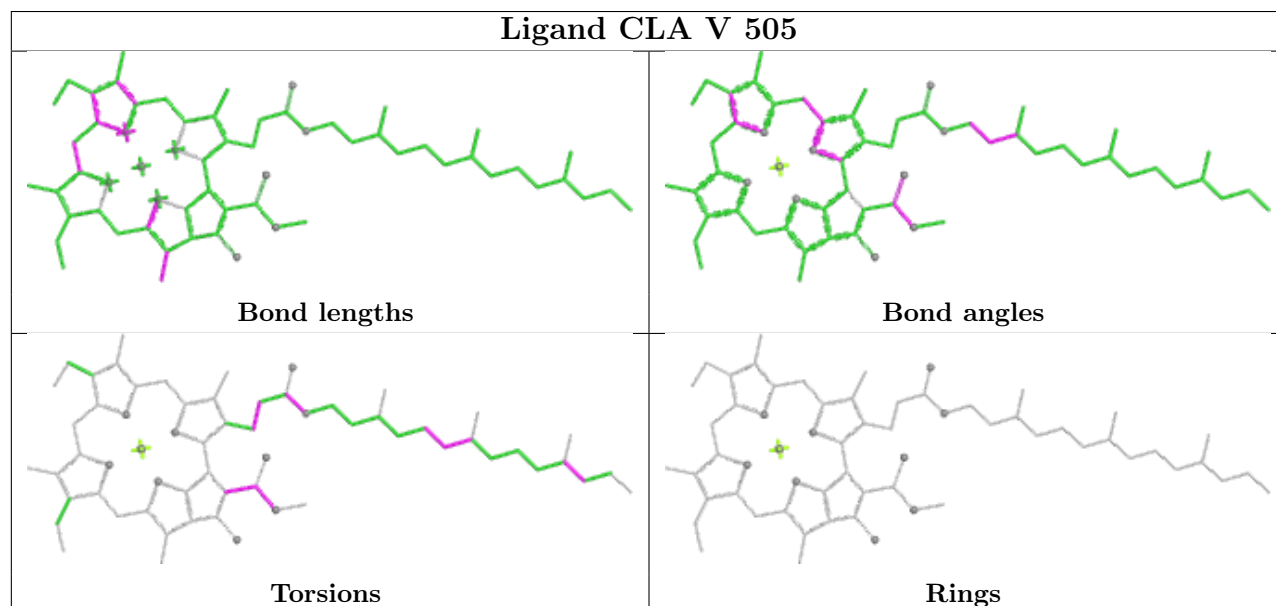
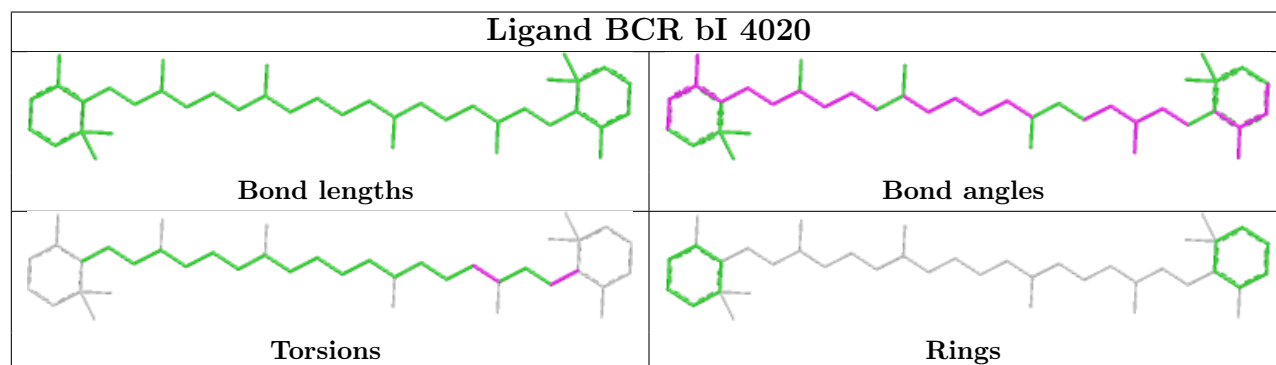
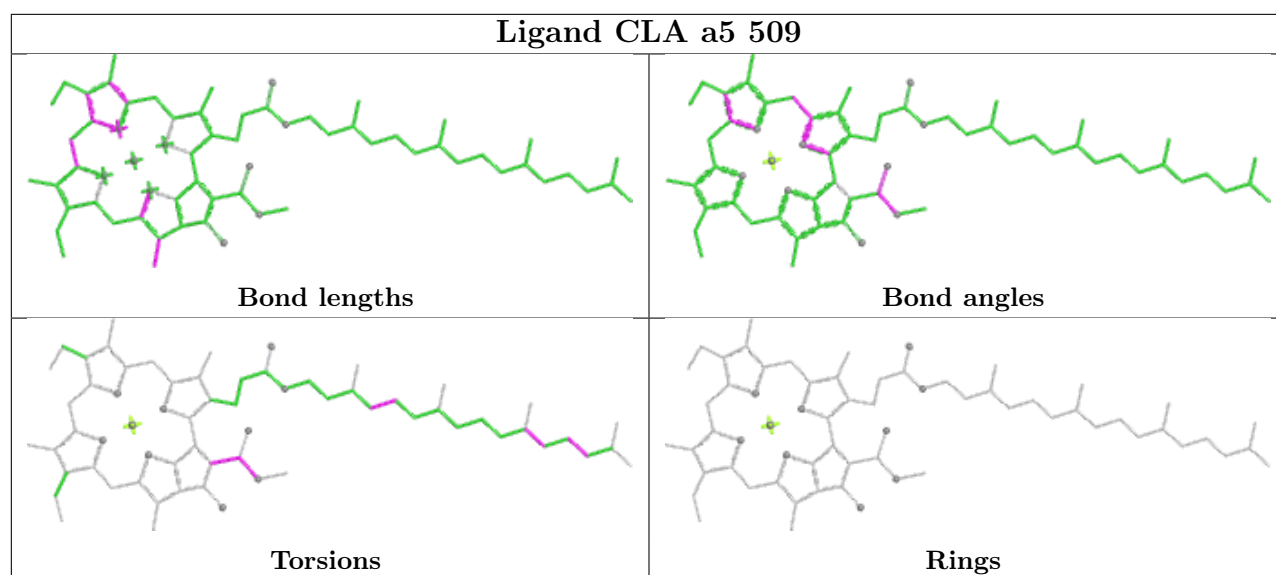
Bond angles



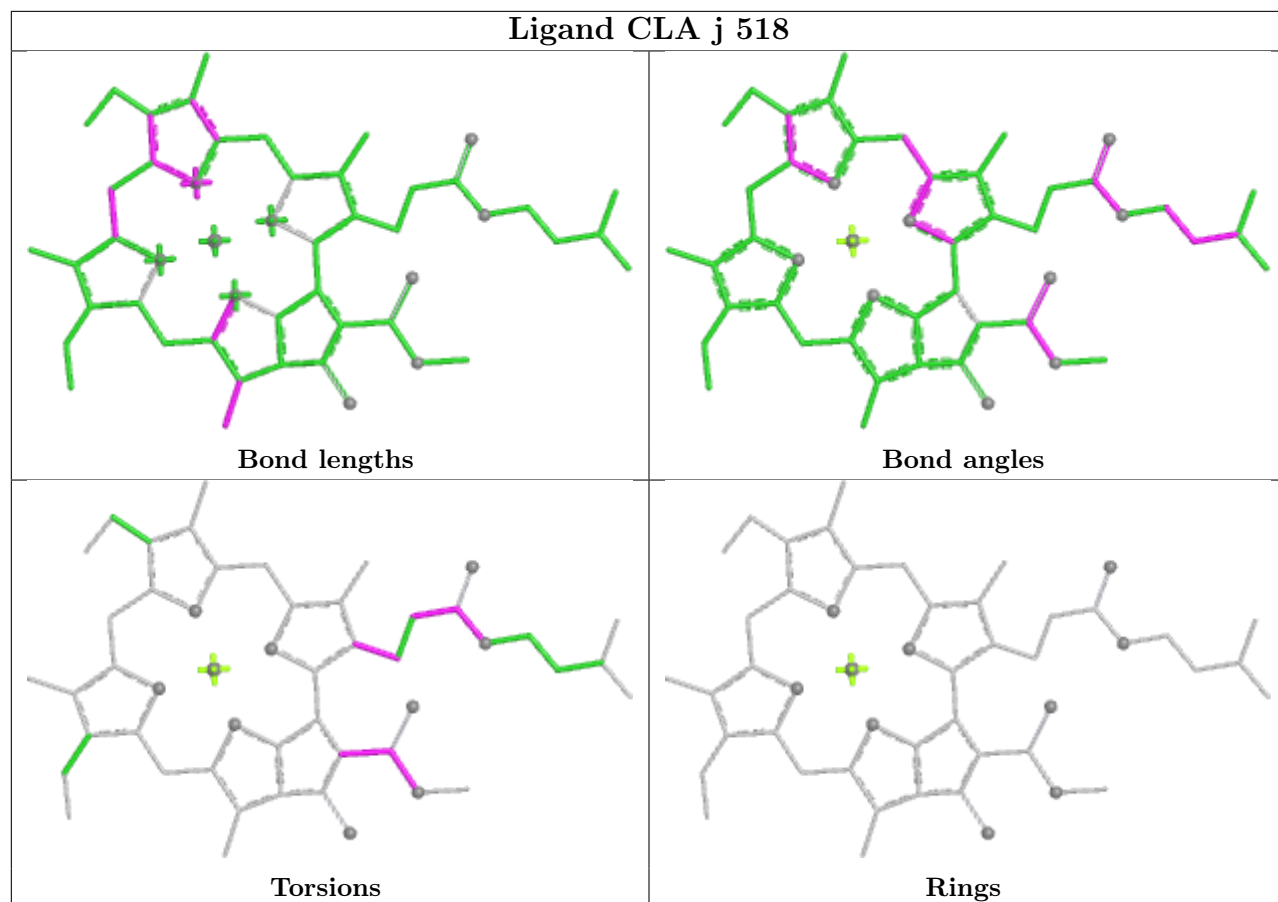
Torsions

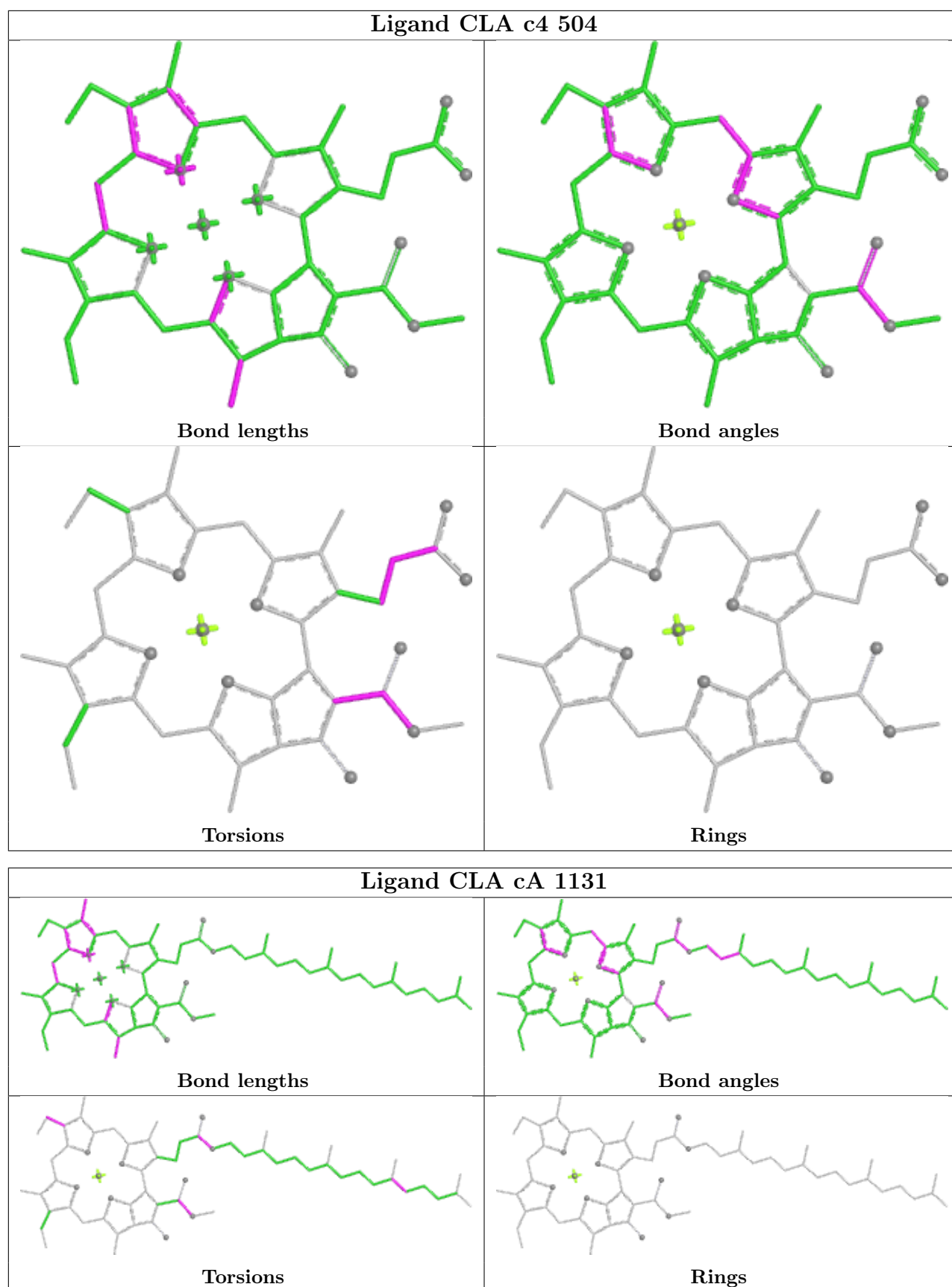


Rings

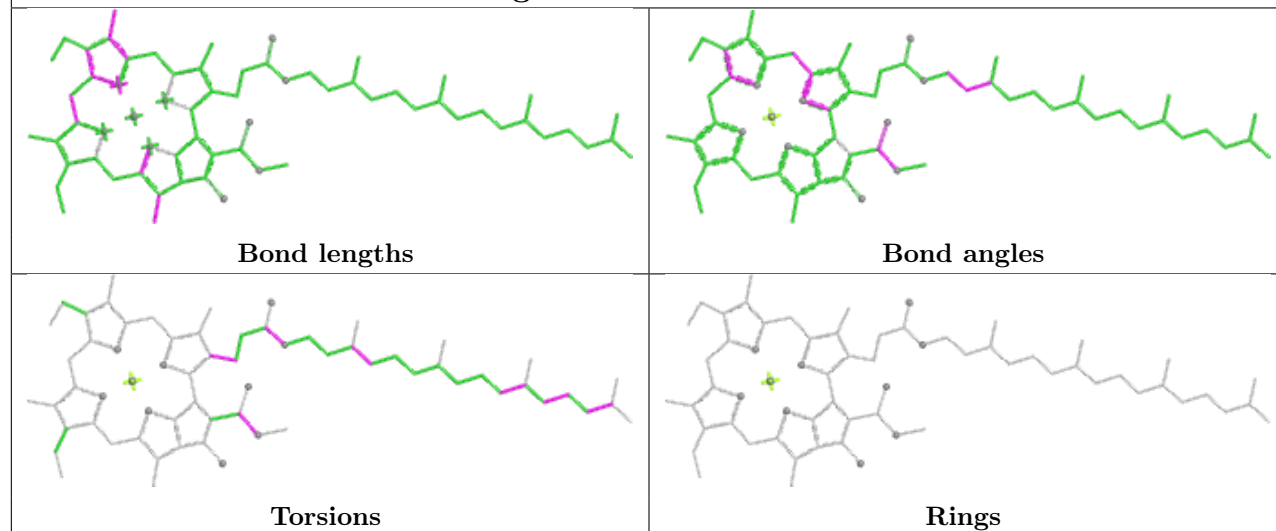


Ligand CLA j 518

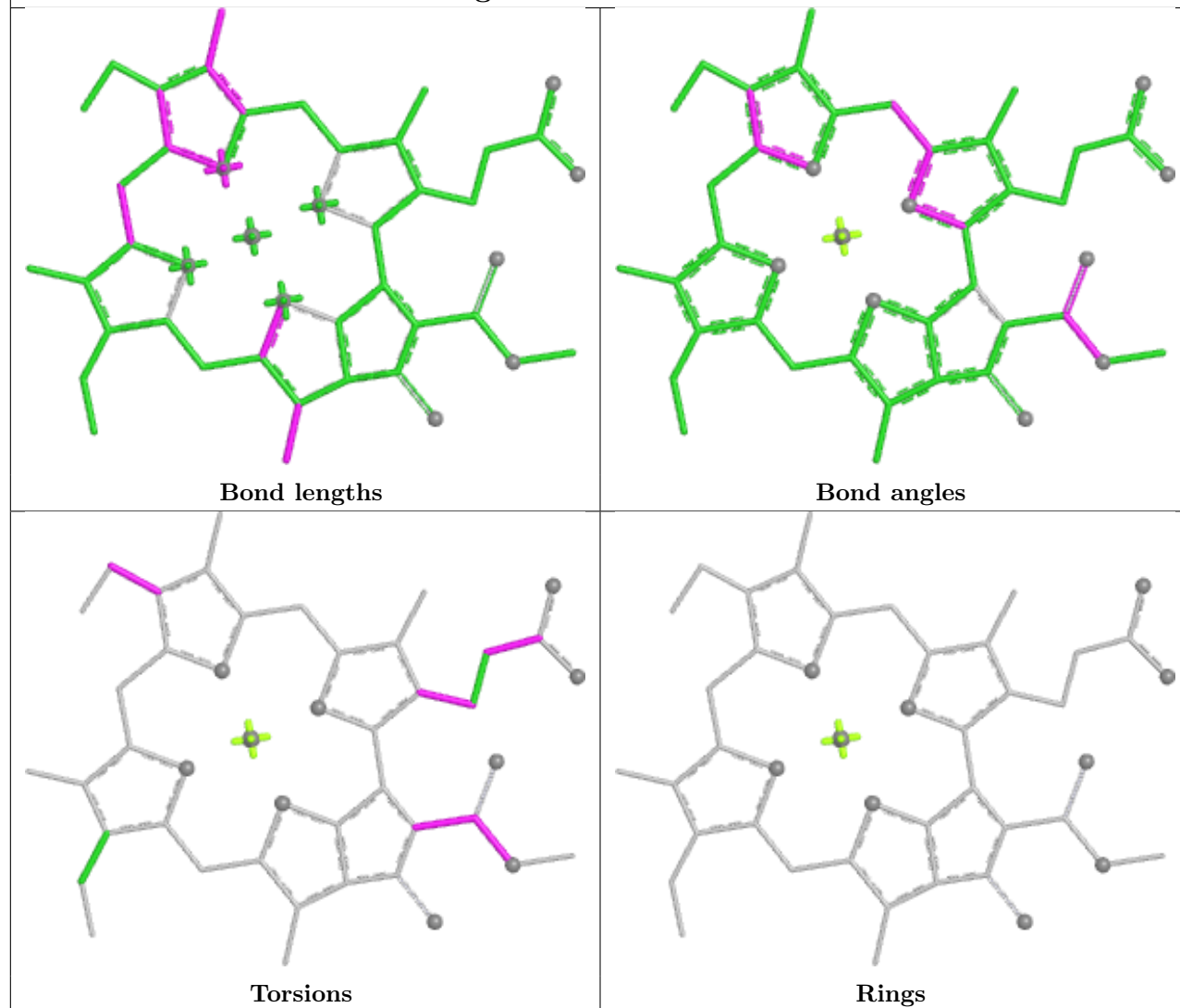


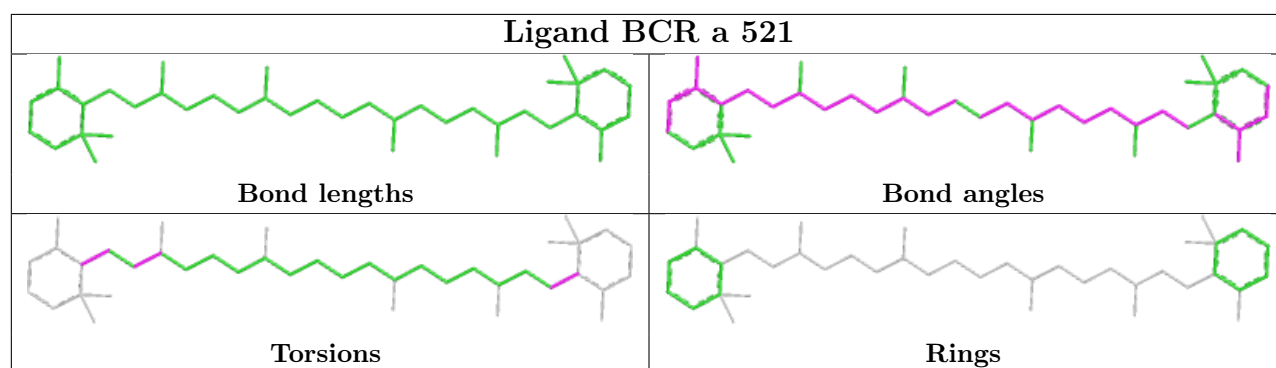
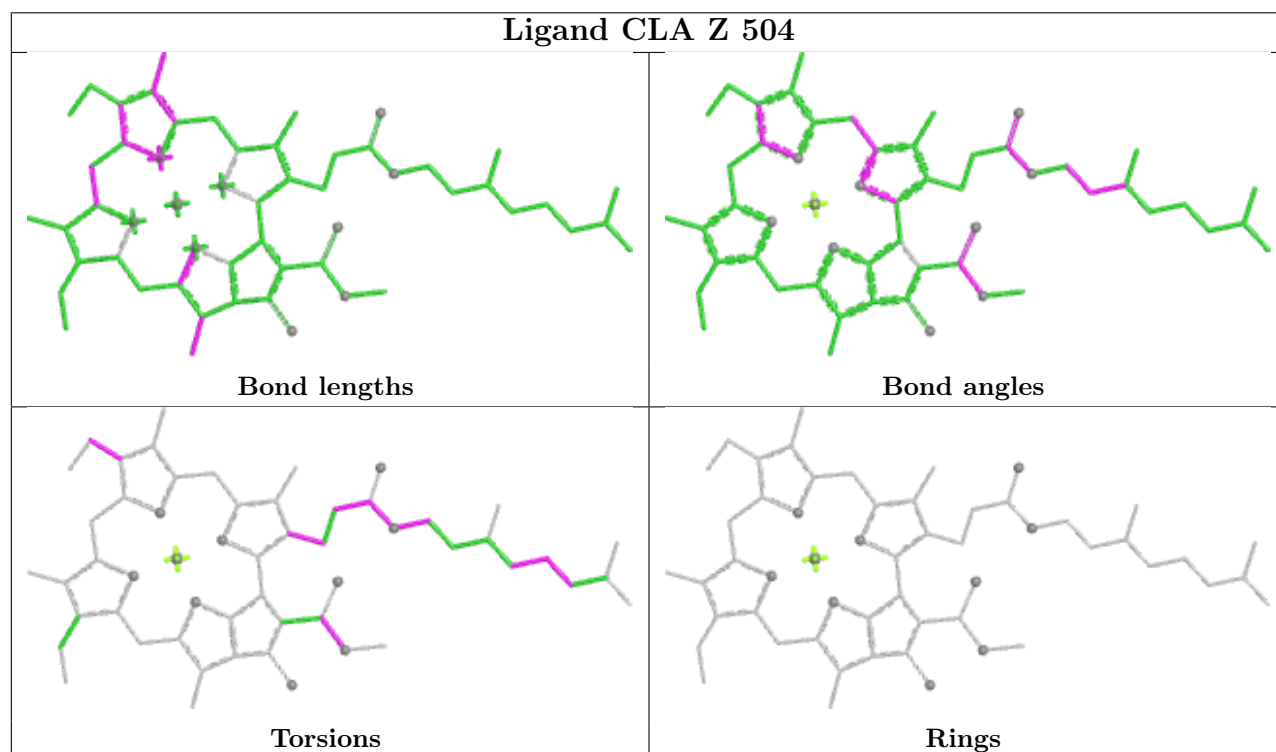
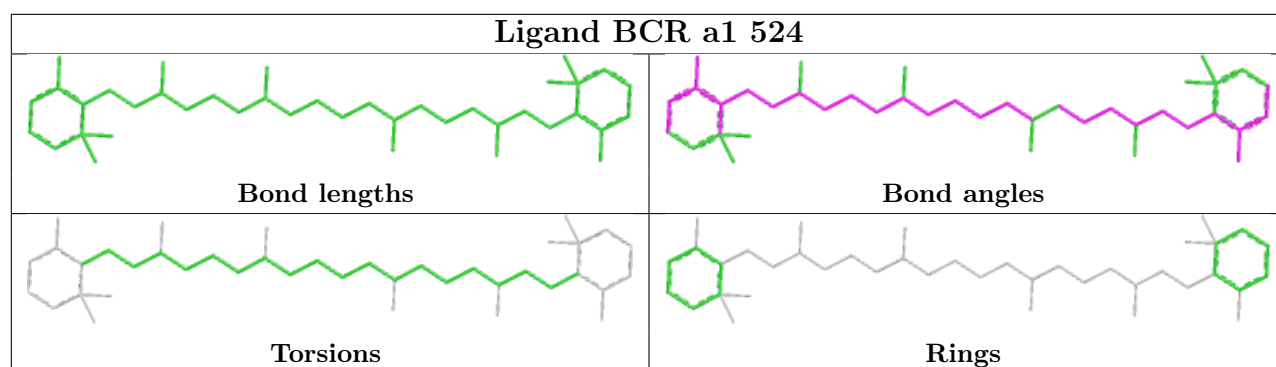


Ligand CLA bA 1117

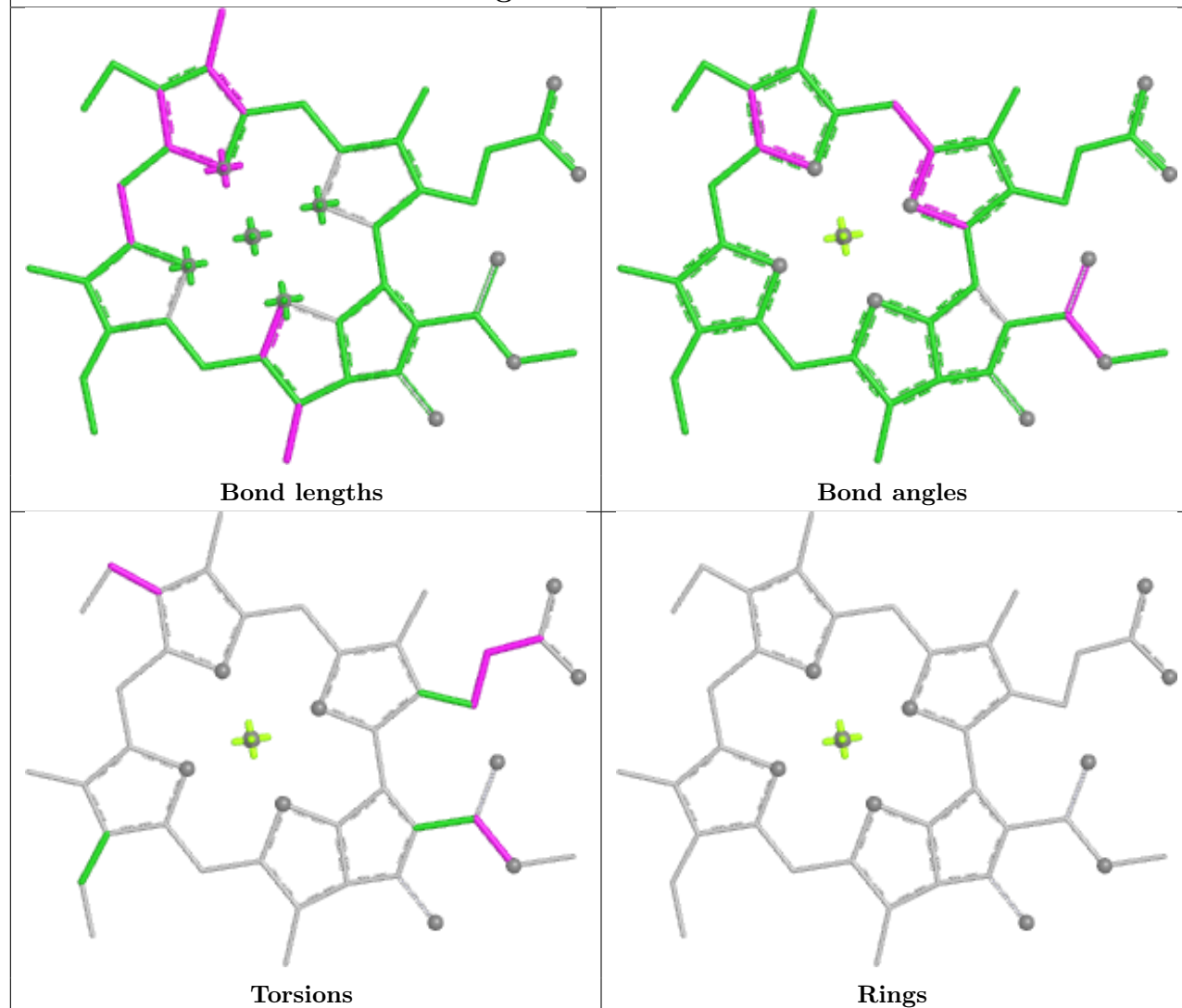


Ligand CLA bB 1232

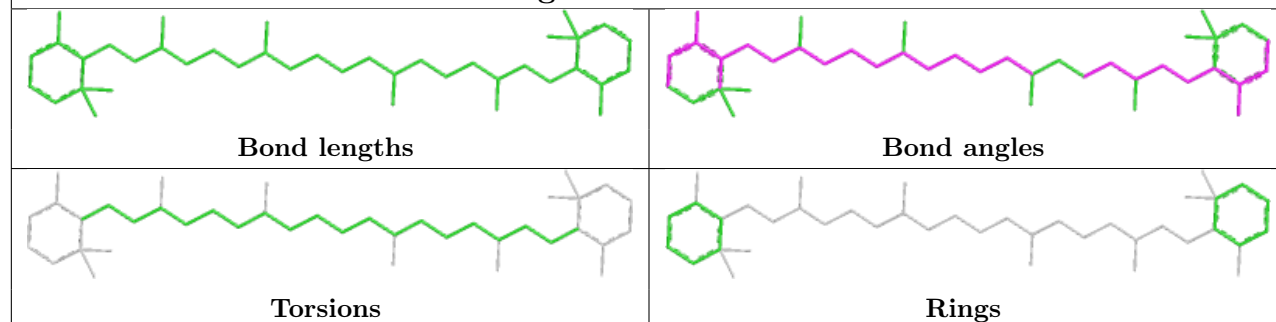




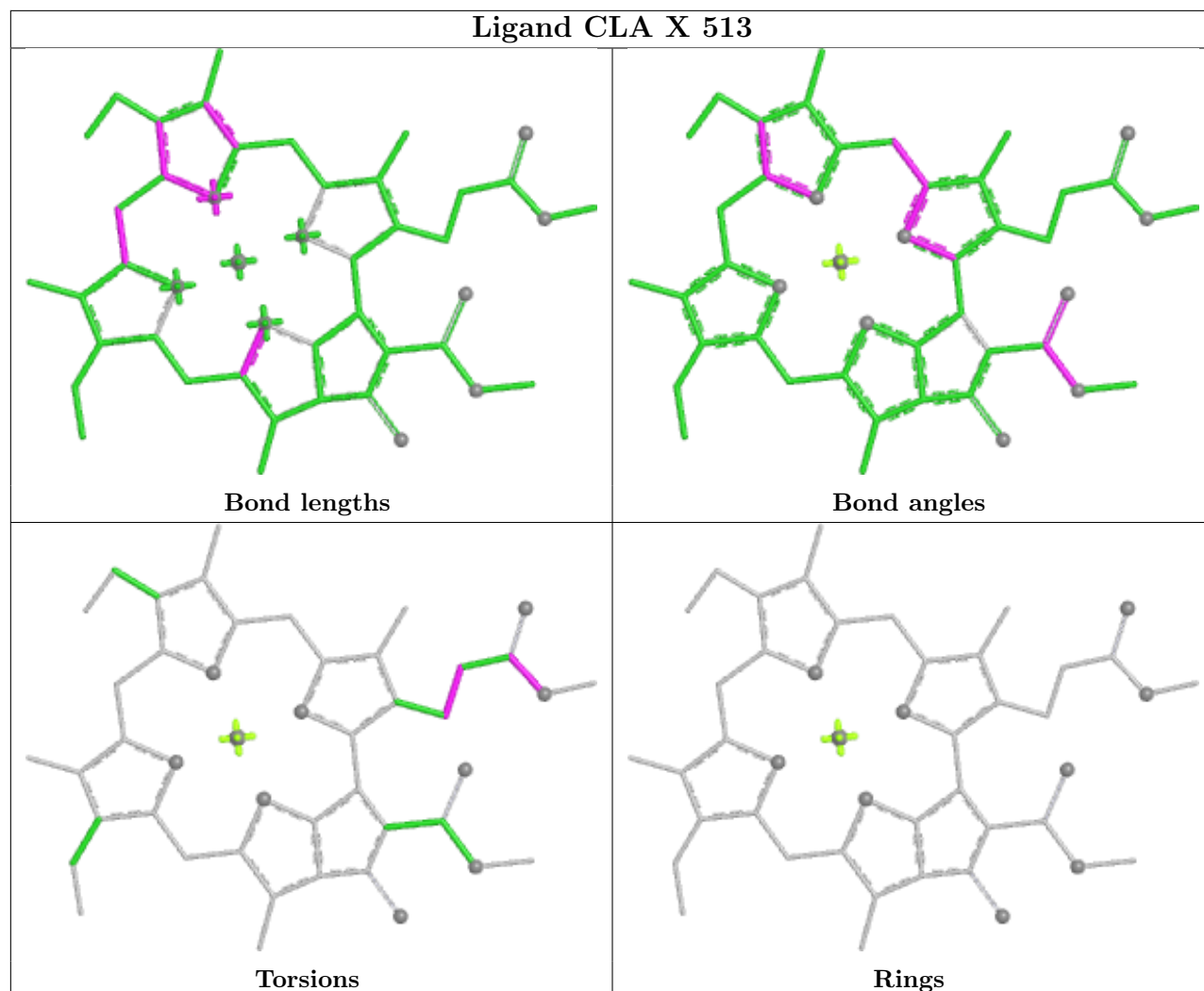
Ligand CLA n 504



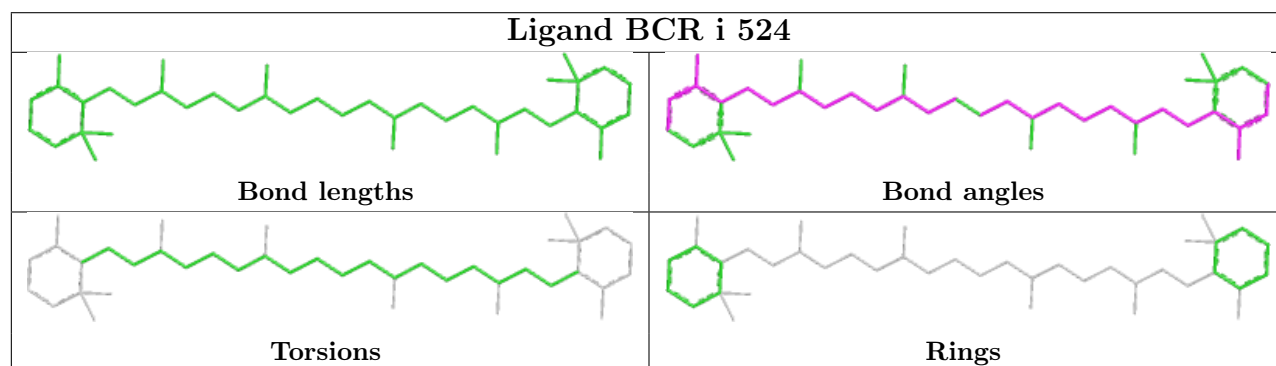
Ligand BCR f 524



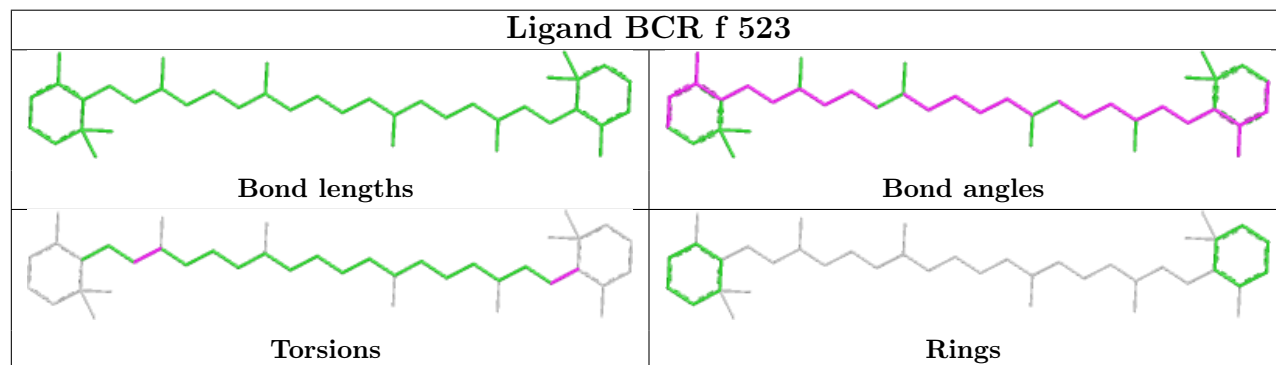
Ligand CLA X 513

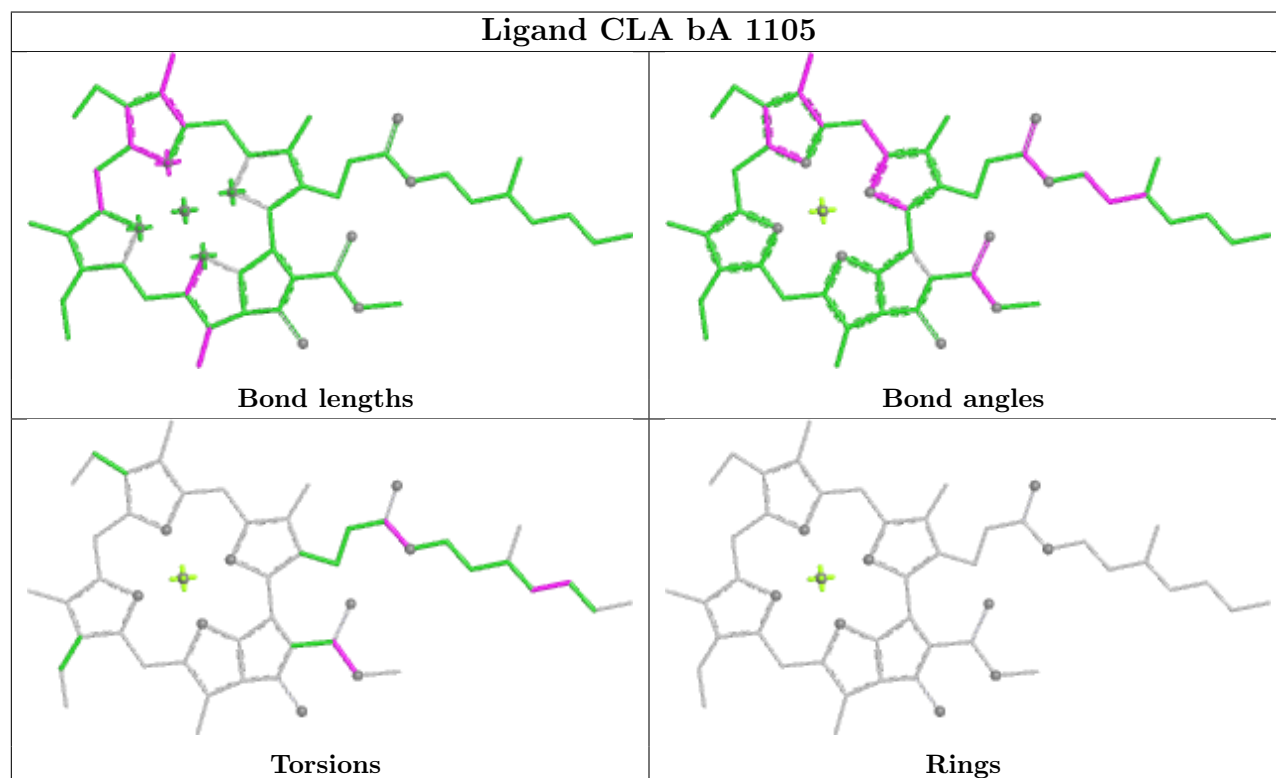
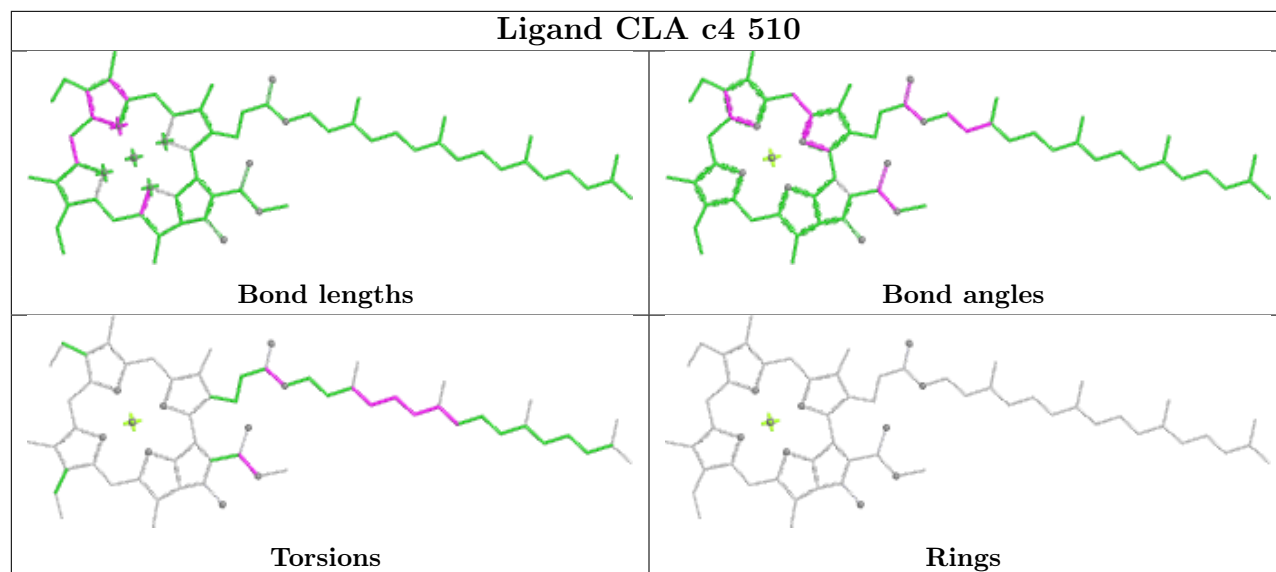


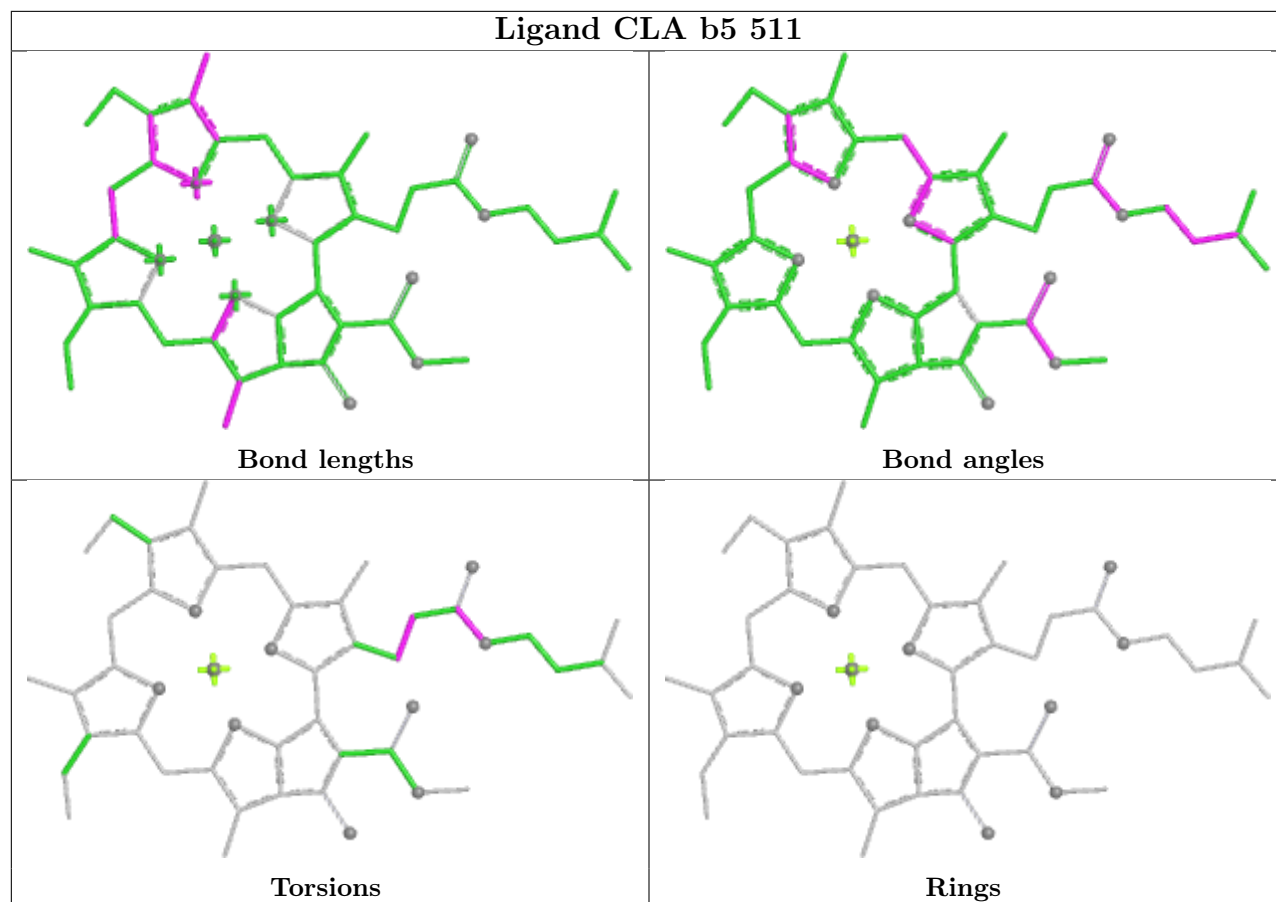
Ligand BCR i 524



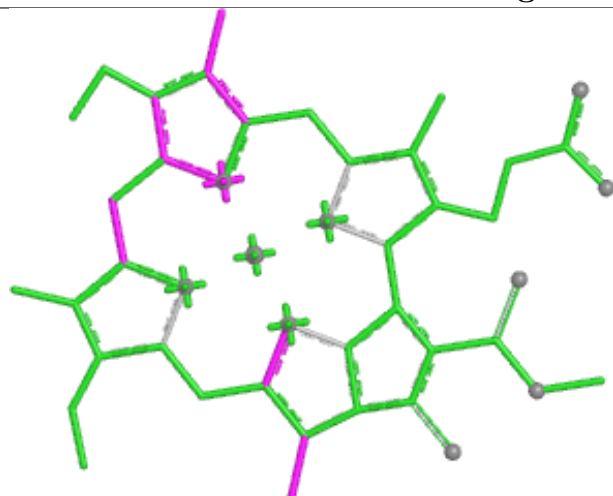
Ligand BCR f 523



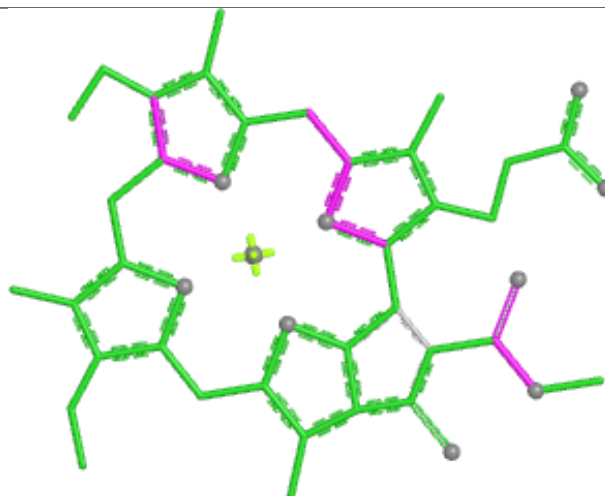




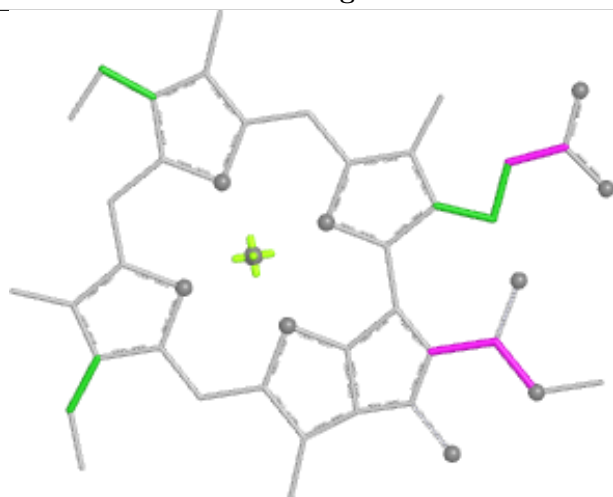
Ligand CLA k 506



Bond lengths



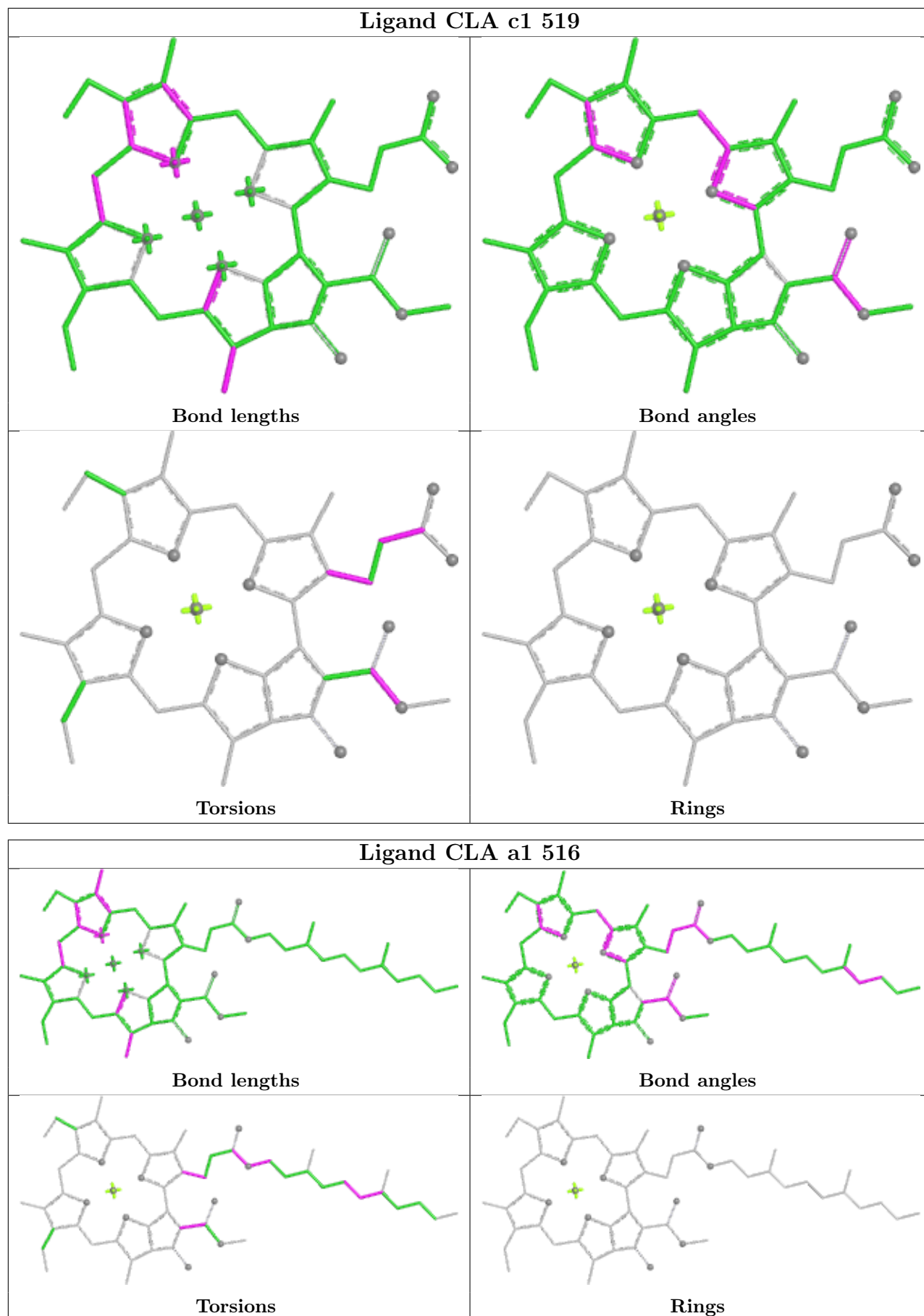
Bond angles

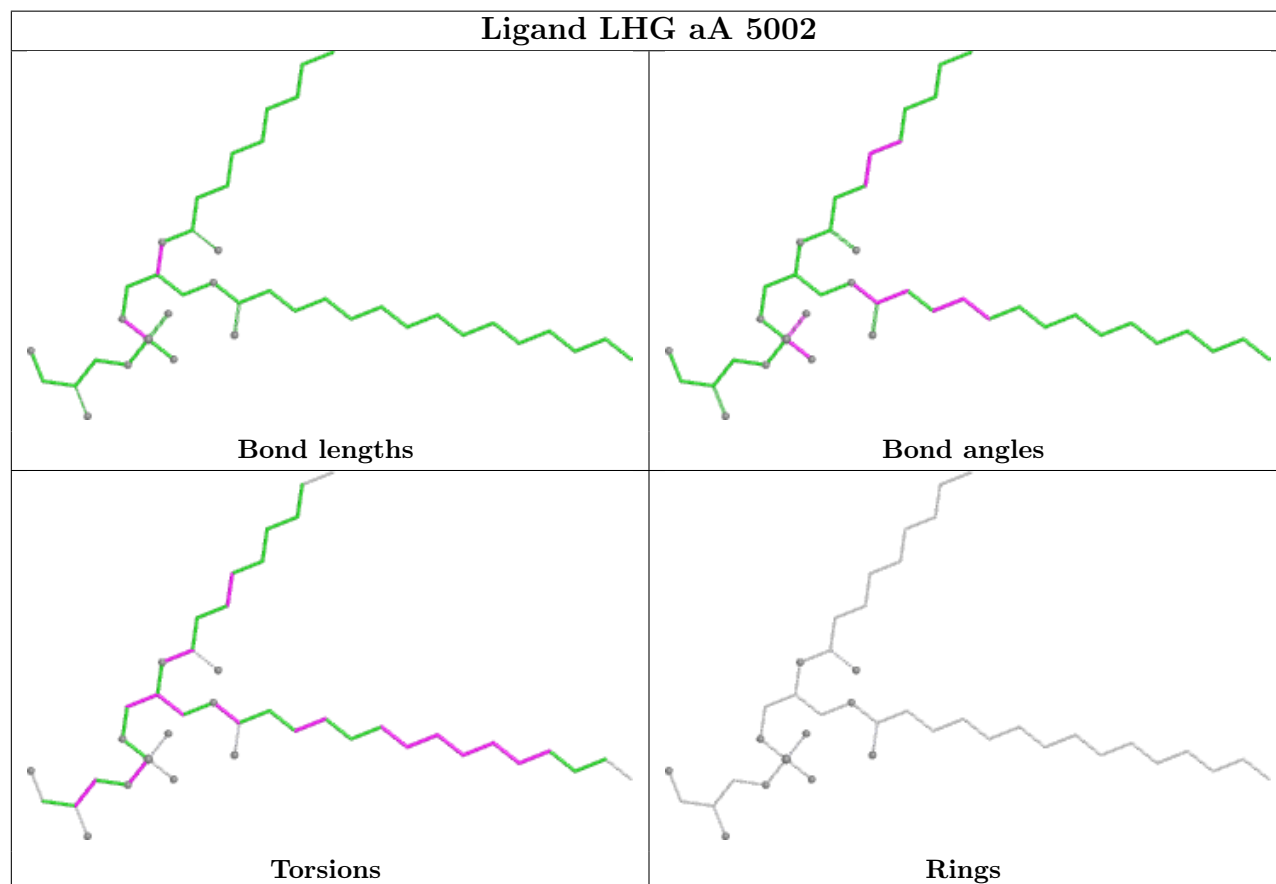
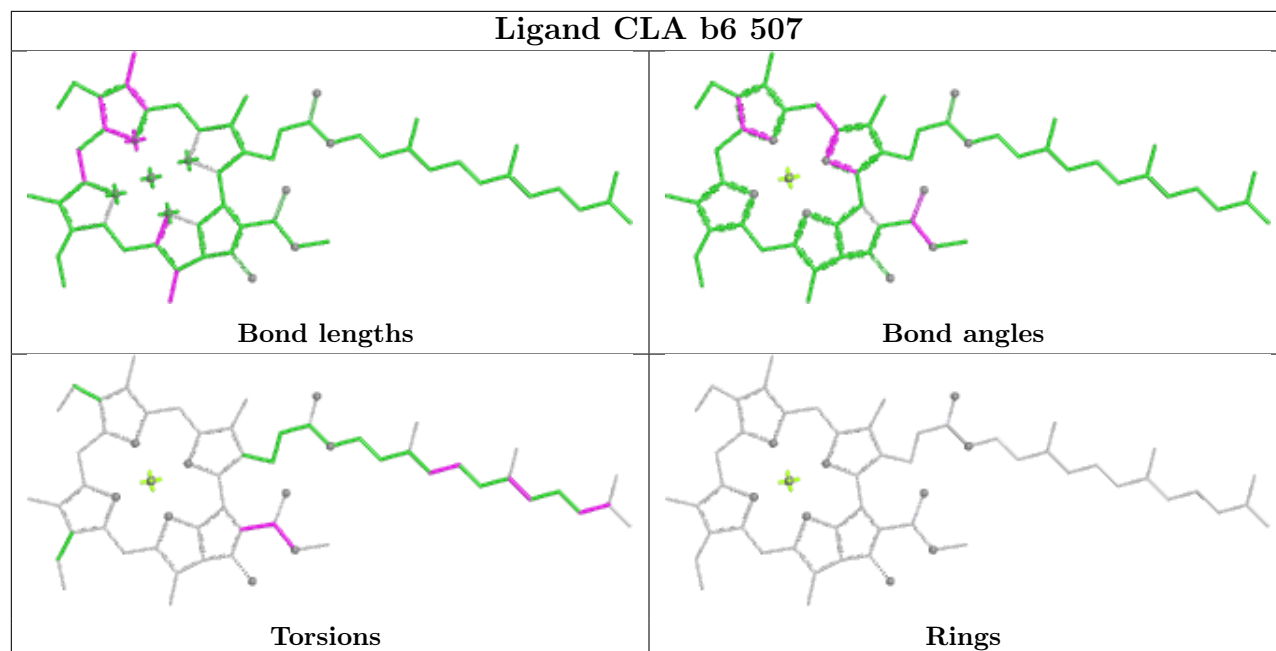


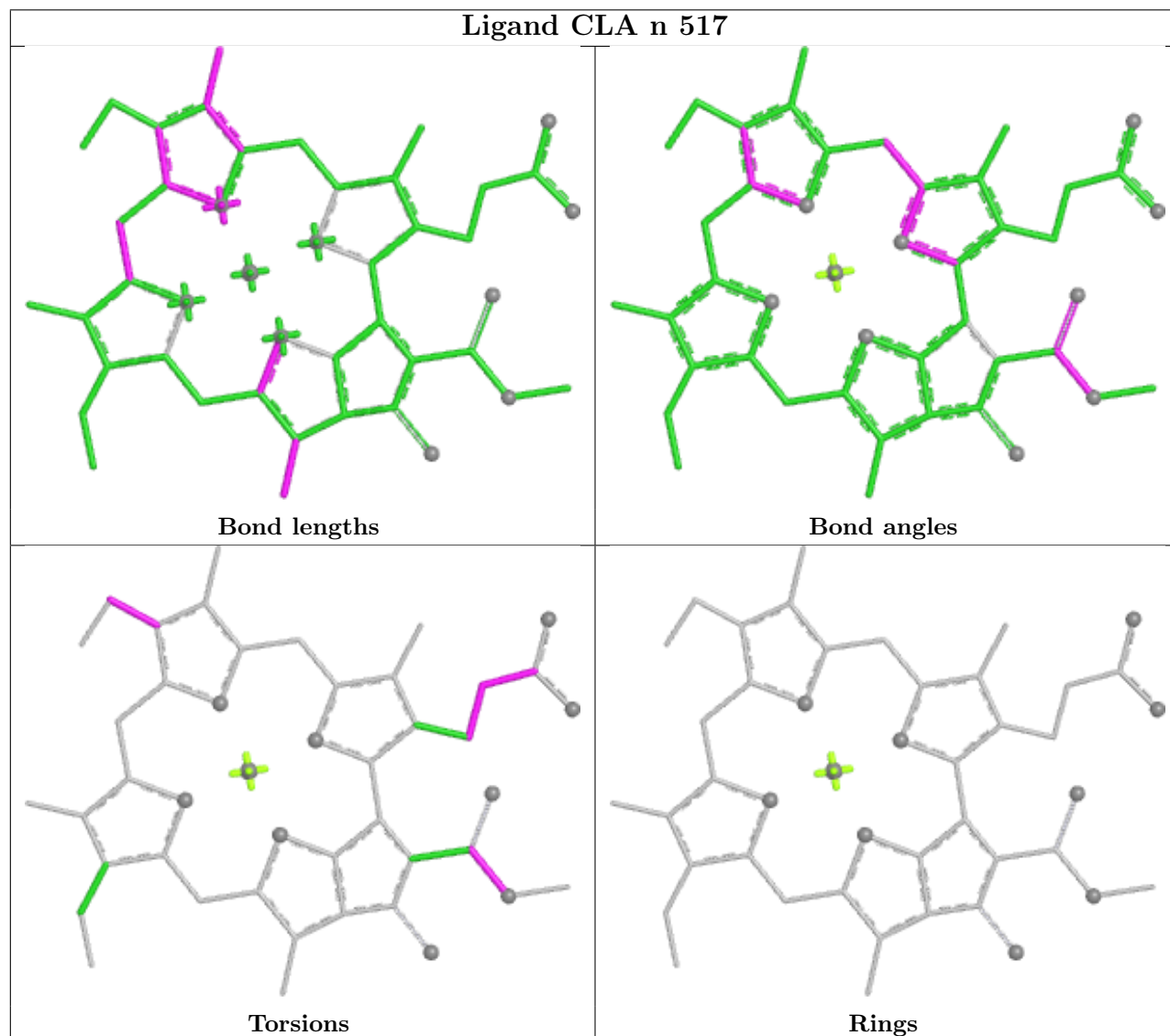
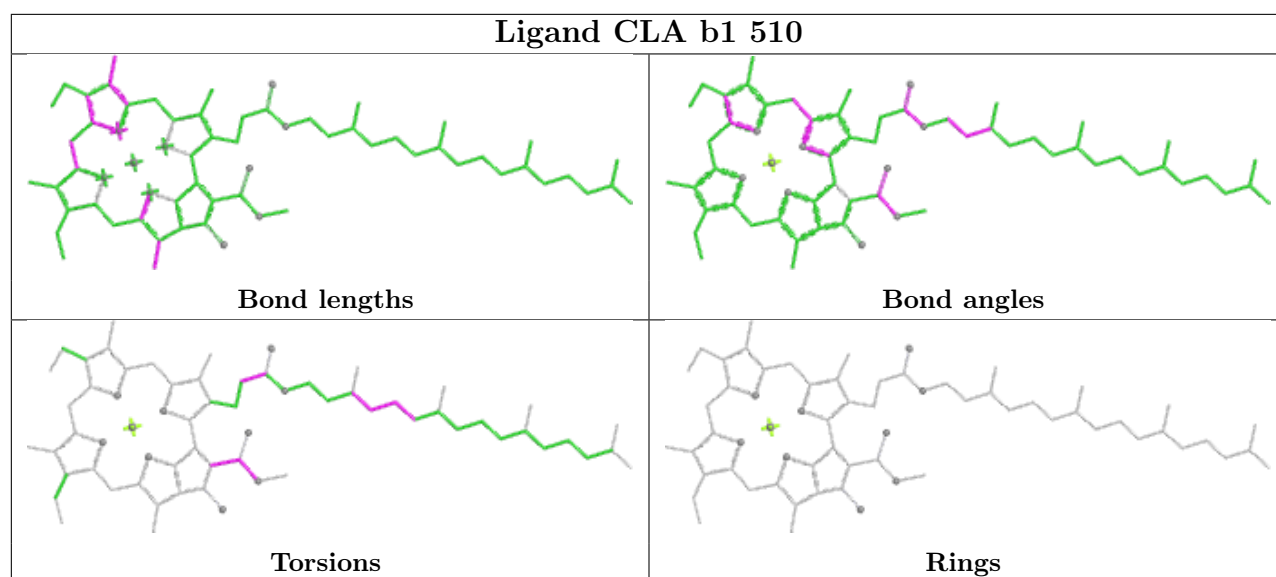
Torsions



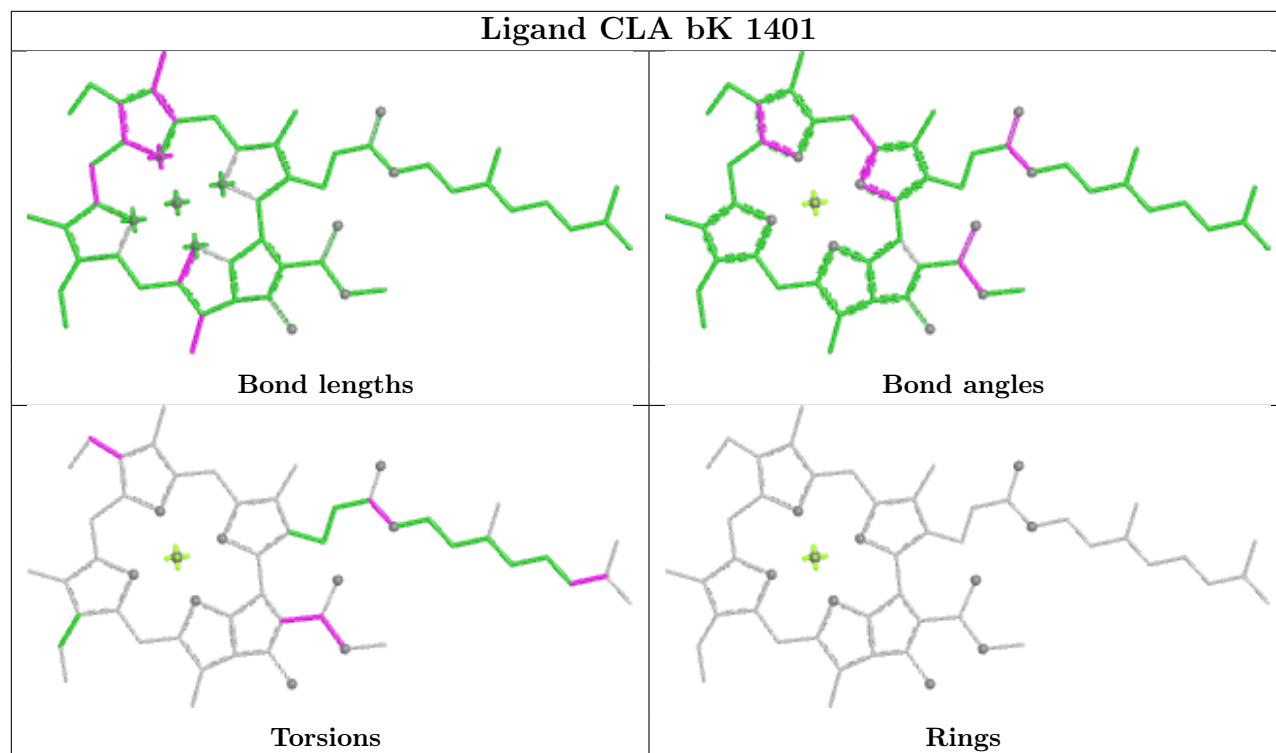
Rings



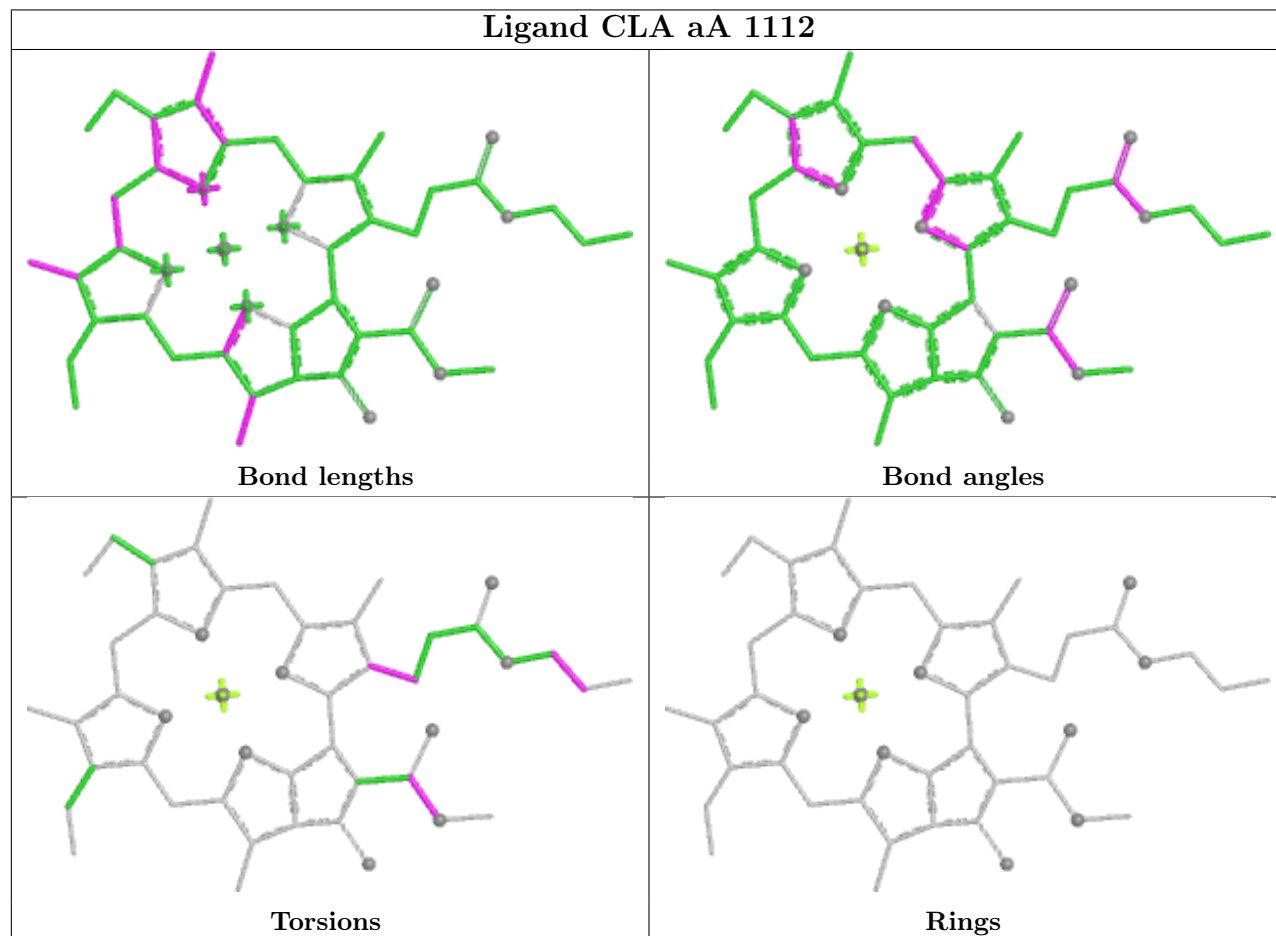


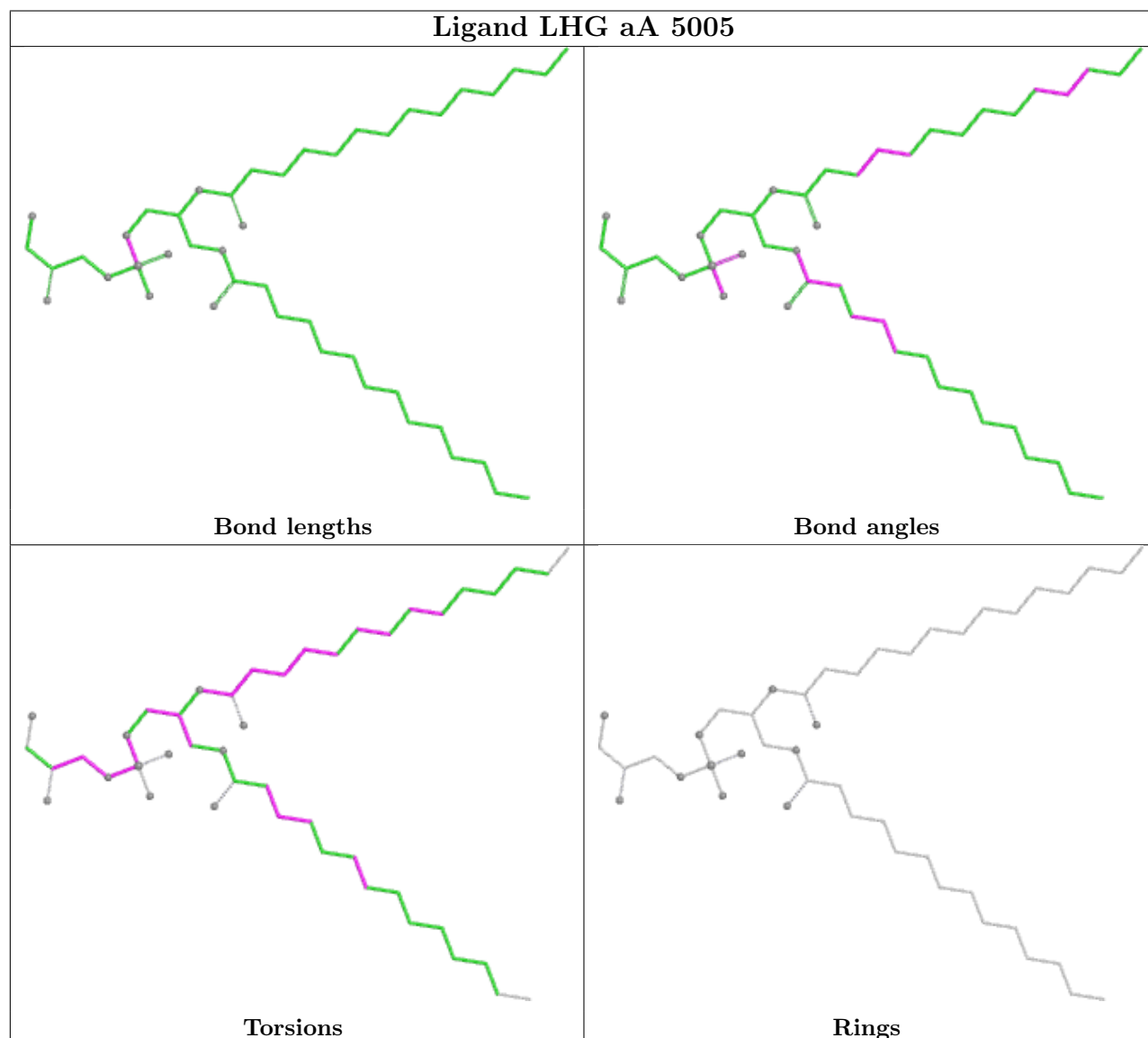
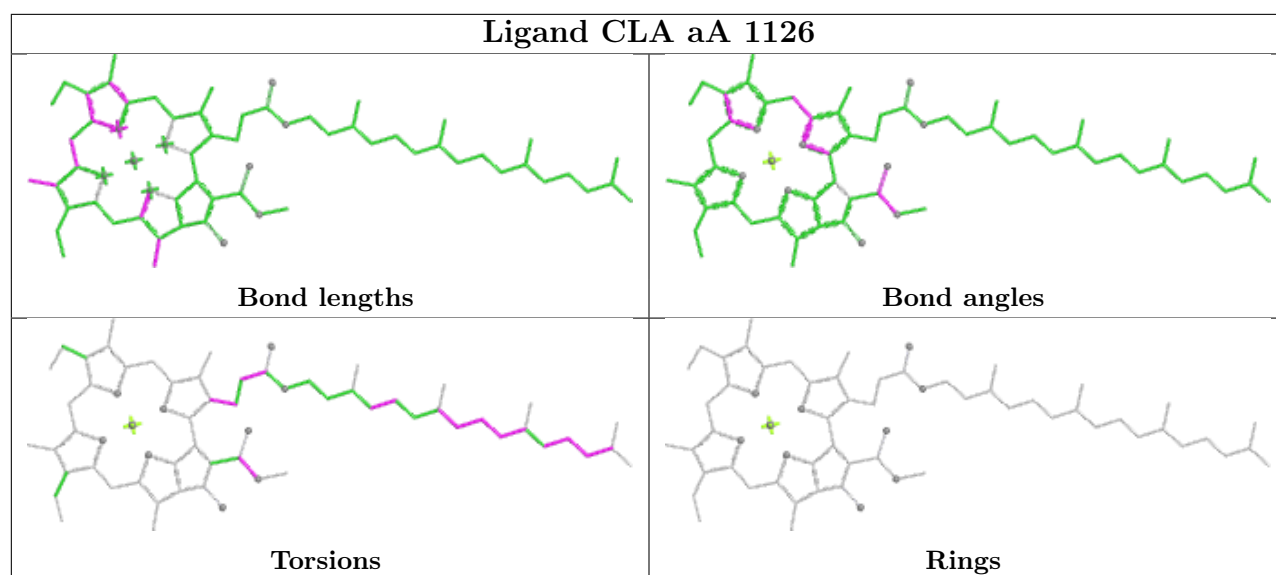


Ligand CLA bK 1401

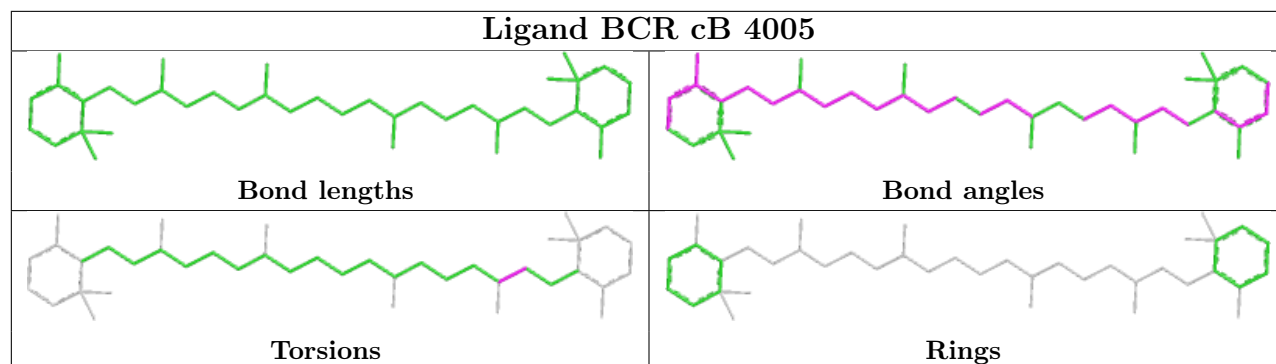


Ligand CLA aA 1112

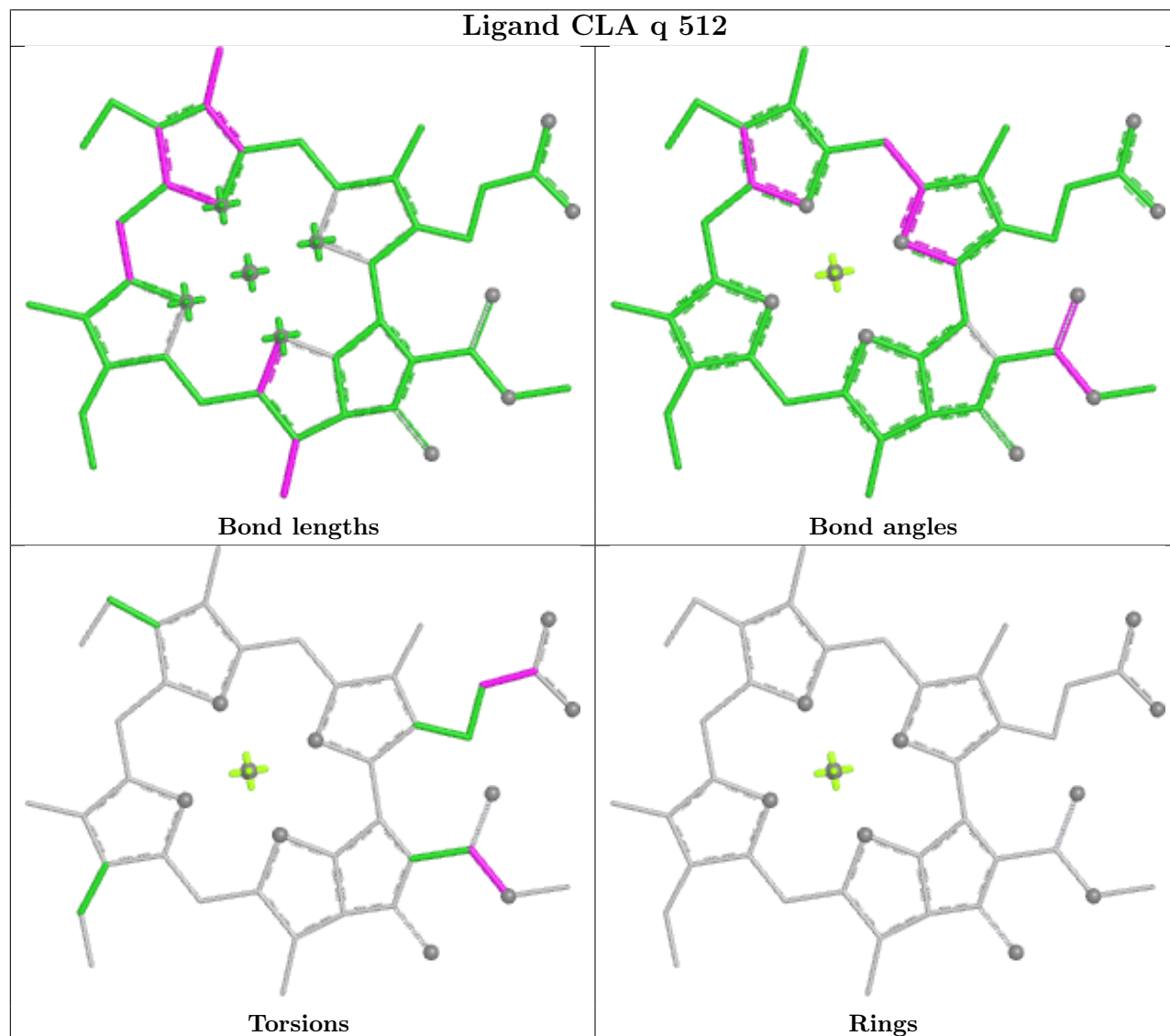




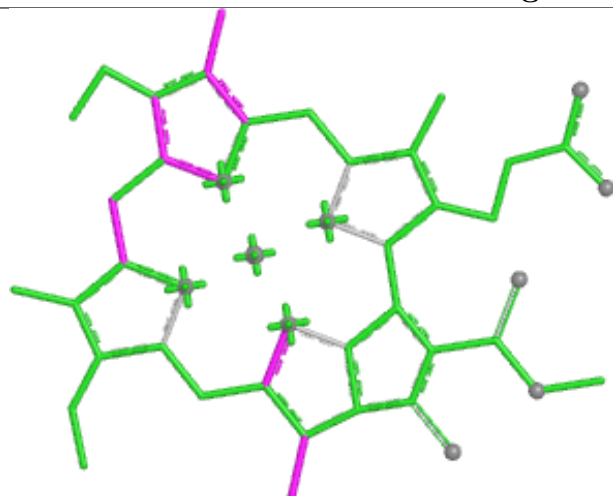
Ligand BCR cB 4005



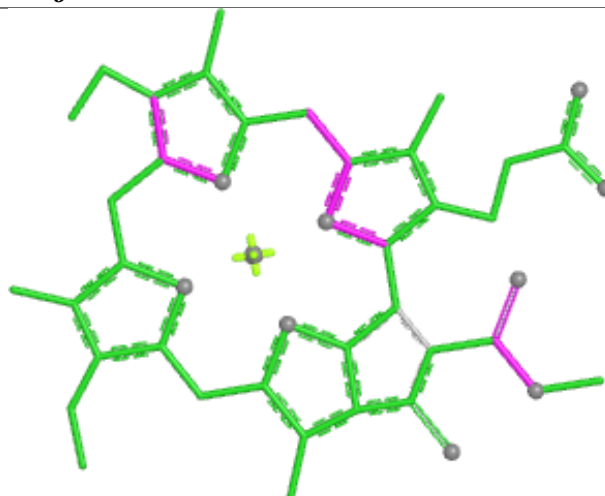
Ligand CLA q 512



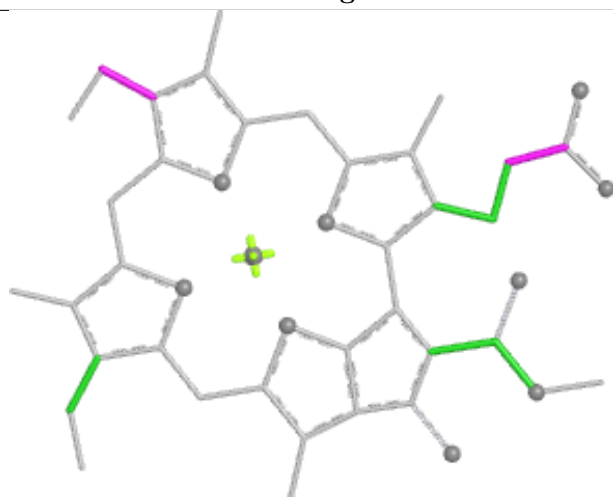
Ligand CLA j 504



Bond lengths



Bond angles

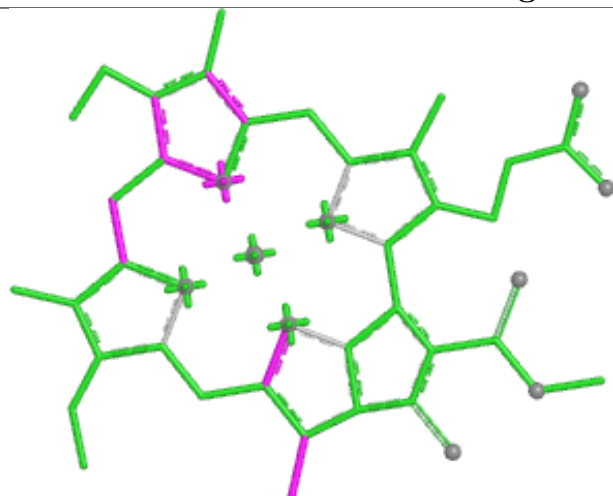


Torsions

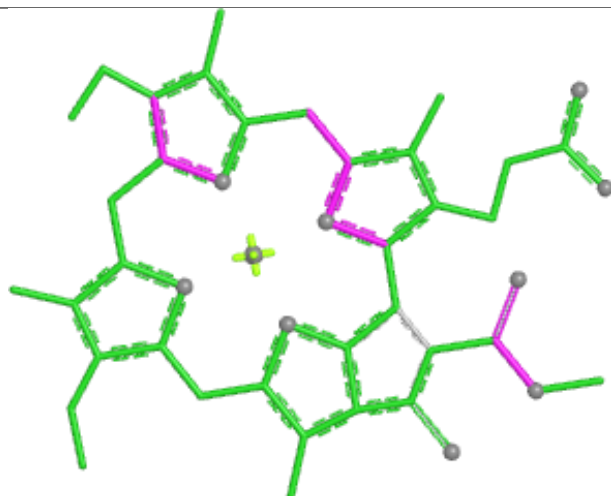


Rings

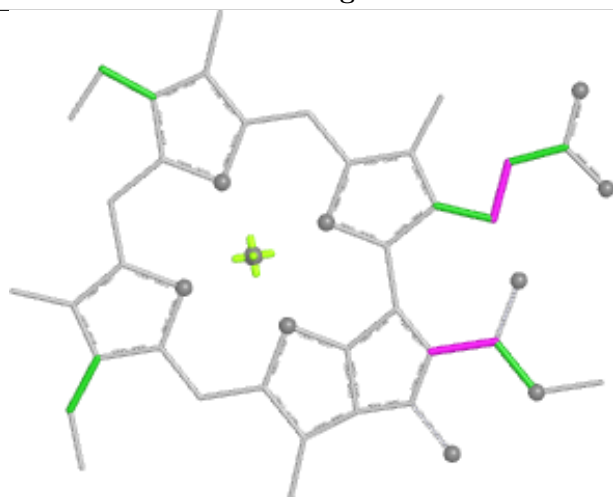
Ligand CLA o 513



Bond lengths



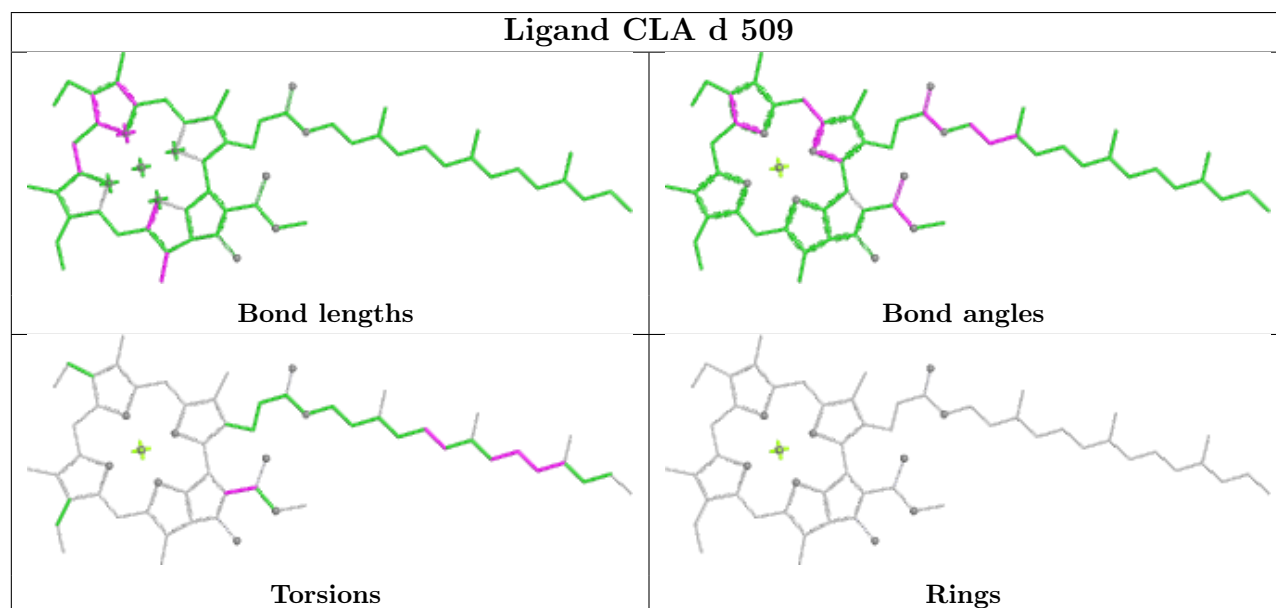
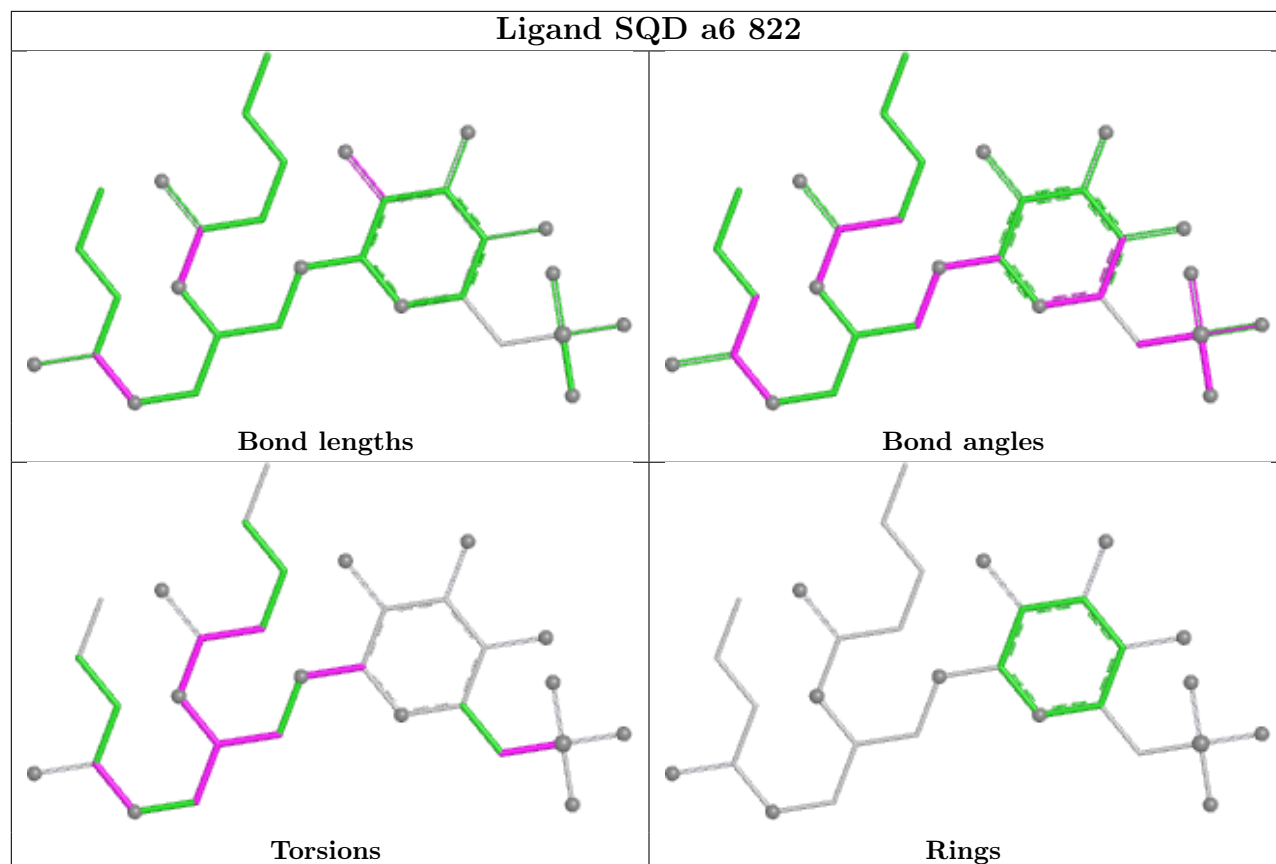
Bond angles

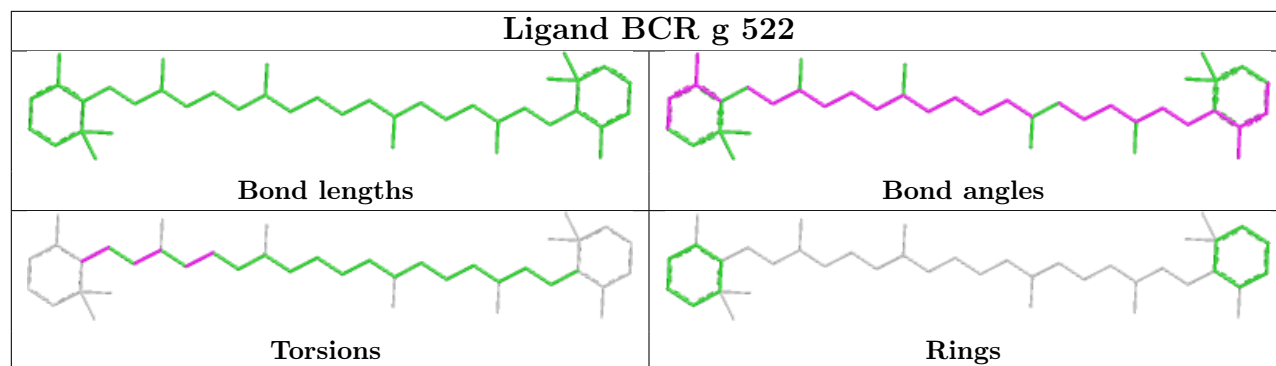


Torsions



Rings





5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

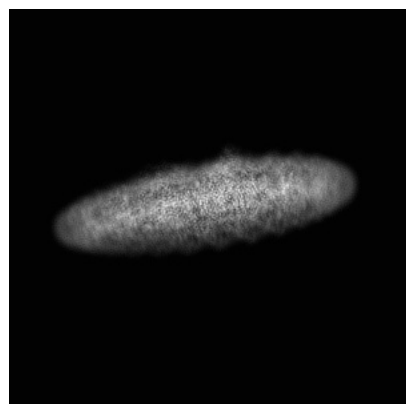
6 Map visualisation [i](#)

This section contains visualisations of the EMDB entry EMD-63527. These allow visual inspection of the internal detail of the map and identification of artifacts.

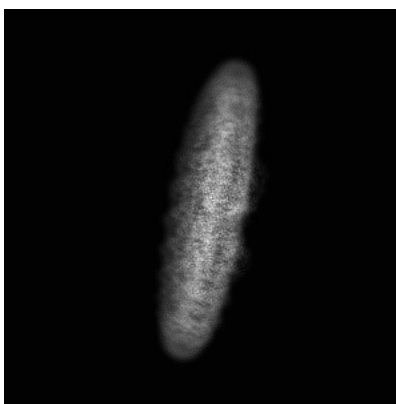
Images derived from a raw map, generated by summing the deposited half-maps, are presented below the corresponding image components of the primary map to allow further visual inspection and comparison with those of the primary map.

6.1 Orthogonal projections [i](#)

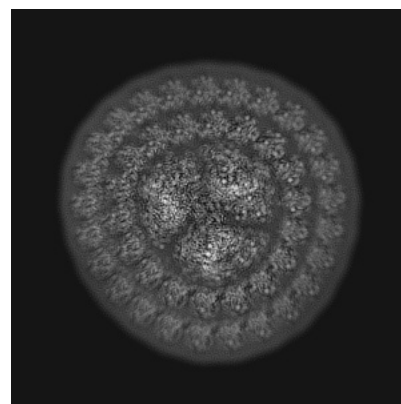
6.1.1 Primary map



X



Y

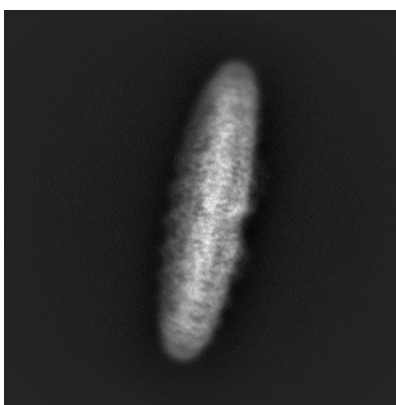


Z

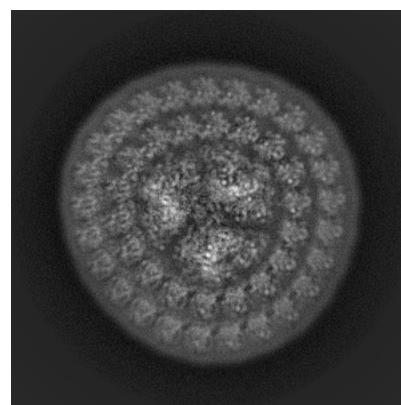
6.1.2 Raw map



X



Y

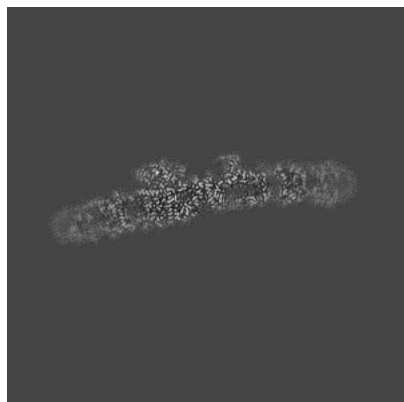


Z

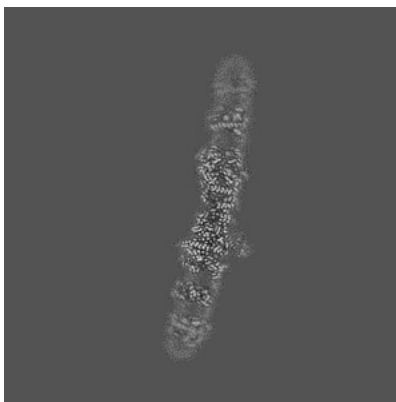
The images above show the map projected in three orthogonal directions.

6.2 Central slices [i](#)

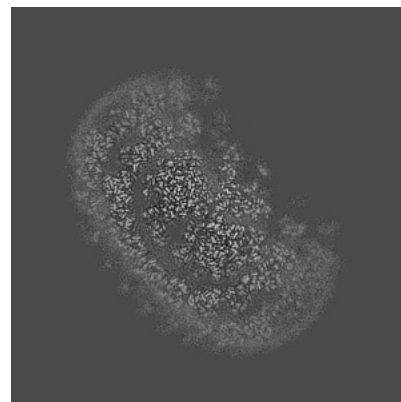
6.2.1 Primary map



X Index: 260

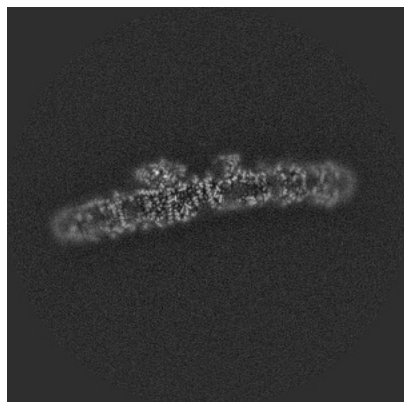


Y Index: 260

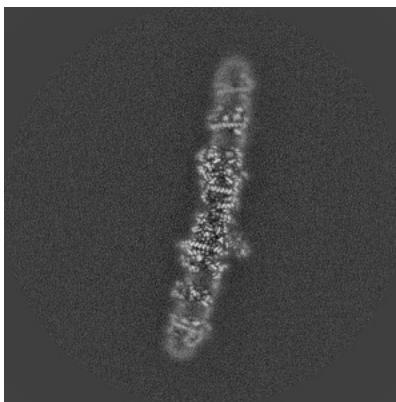


Z Index: 260

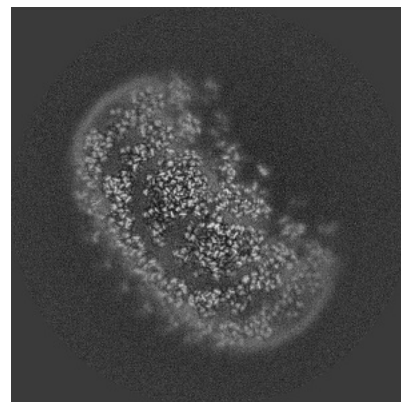
6.2.2 Raw map



X Index: 260



Y Index: 260

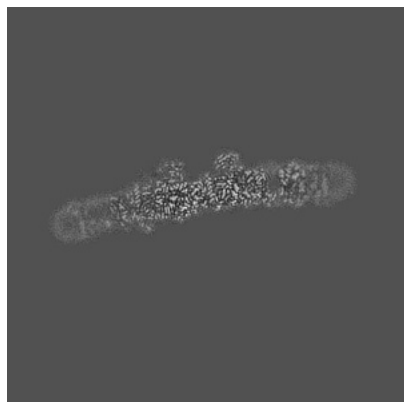


Z Index: 260

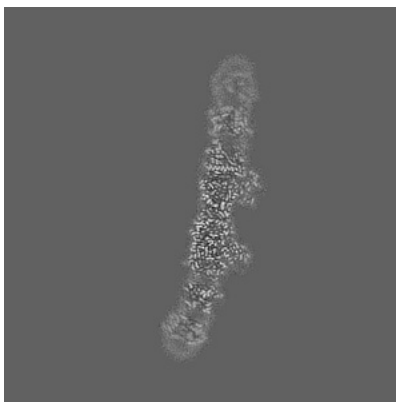
The images above show central slices of the map in three orthogonal directions.

6.3 Largest variance slices [i](#)

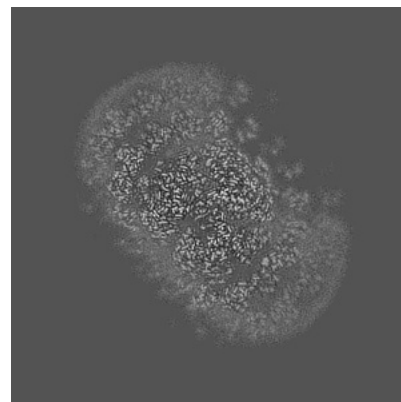
6.3.1 Primary map



X Index: 270

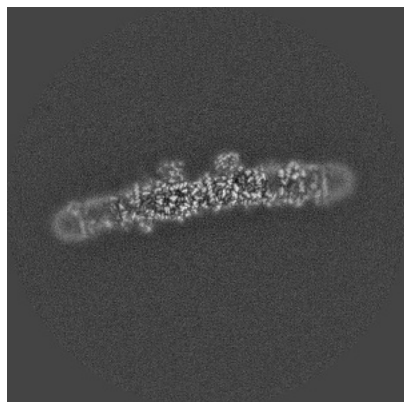


Y Index: 274

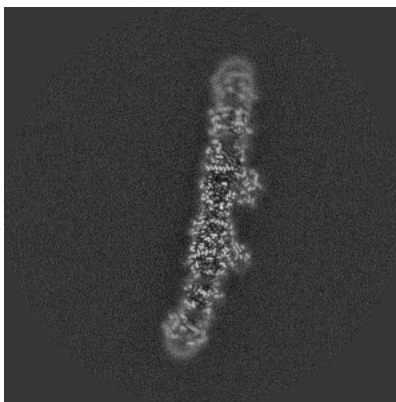


Z Index: 269

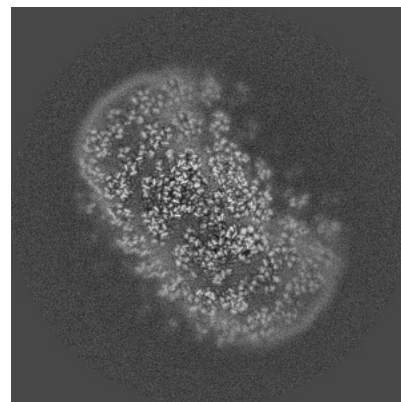
6.3.2 Raw map



X Index: 270



Y Index: 275

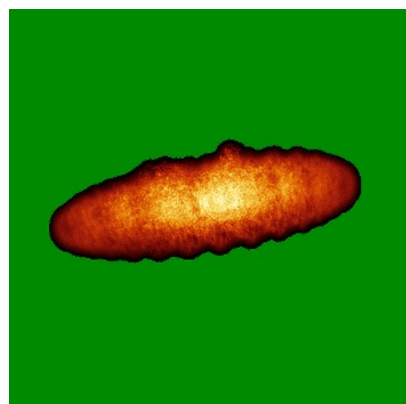


Z Index: 265

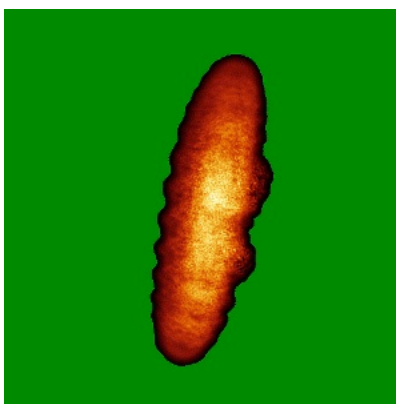
The images above show the largest variance slices of the map in three orthogonal directions.

6.4 Orthogonal standard-deviation projections (False-color) [i](#)

6.4.1 Primary map



X

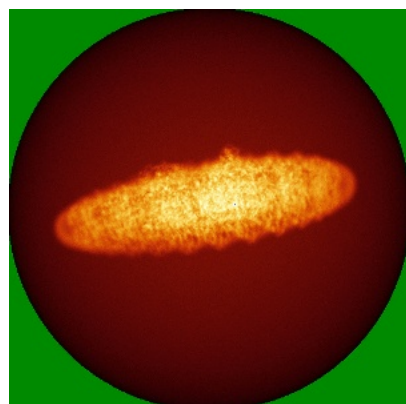


Y

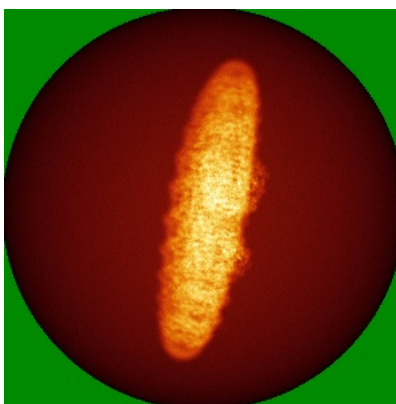


Z

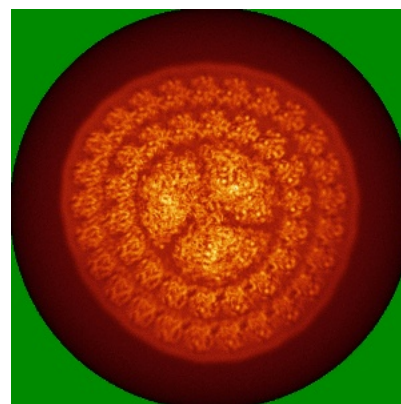
6.4.2 Raw map



X



Y

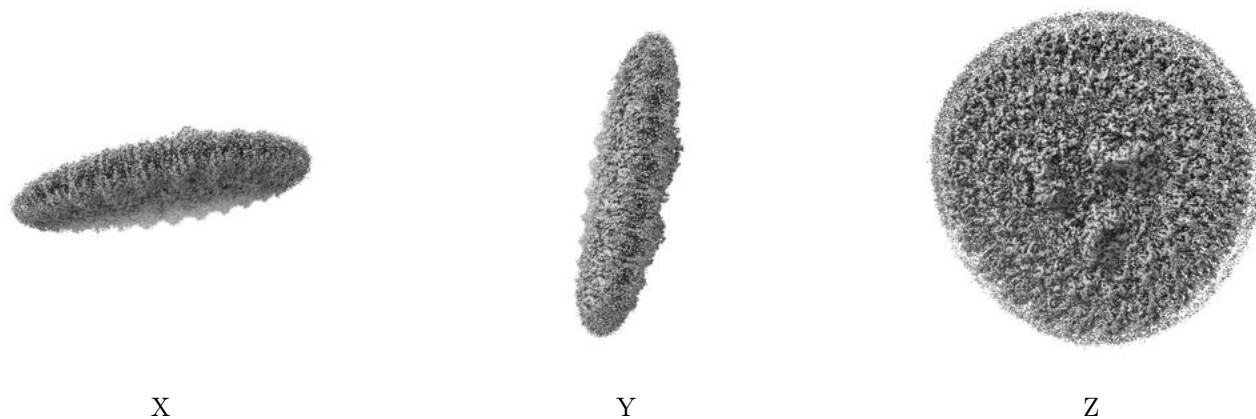


Z

The images above show the map standard deviation projections with false color in three orthogonal directions. Minimum values are shown in green, max in blue, and dark to light orange shades represent small to large values respectively.

6.5 Orthogonal surface views [i](#)

6.5.1 Primary map



The images above show the 3D surface view of the map at the recommended contour level 0.015. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

6.5.2 Raw map



These images show the 3D surface of the raw map. The raw map's contour level was selected so that its surface encloses the same volume as the primary map does at its recommended contour level.

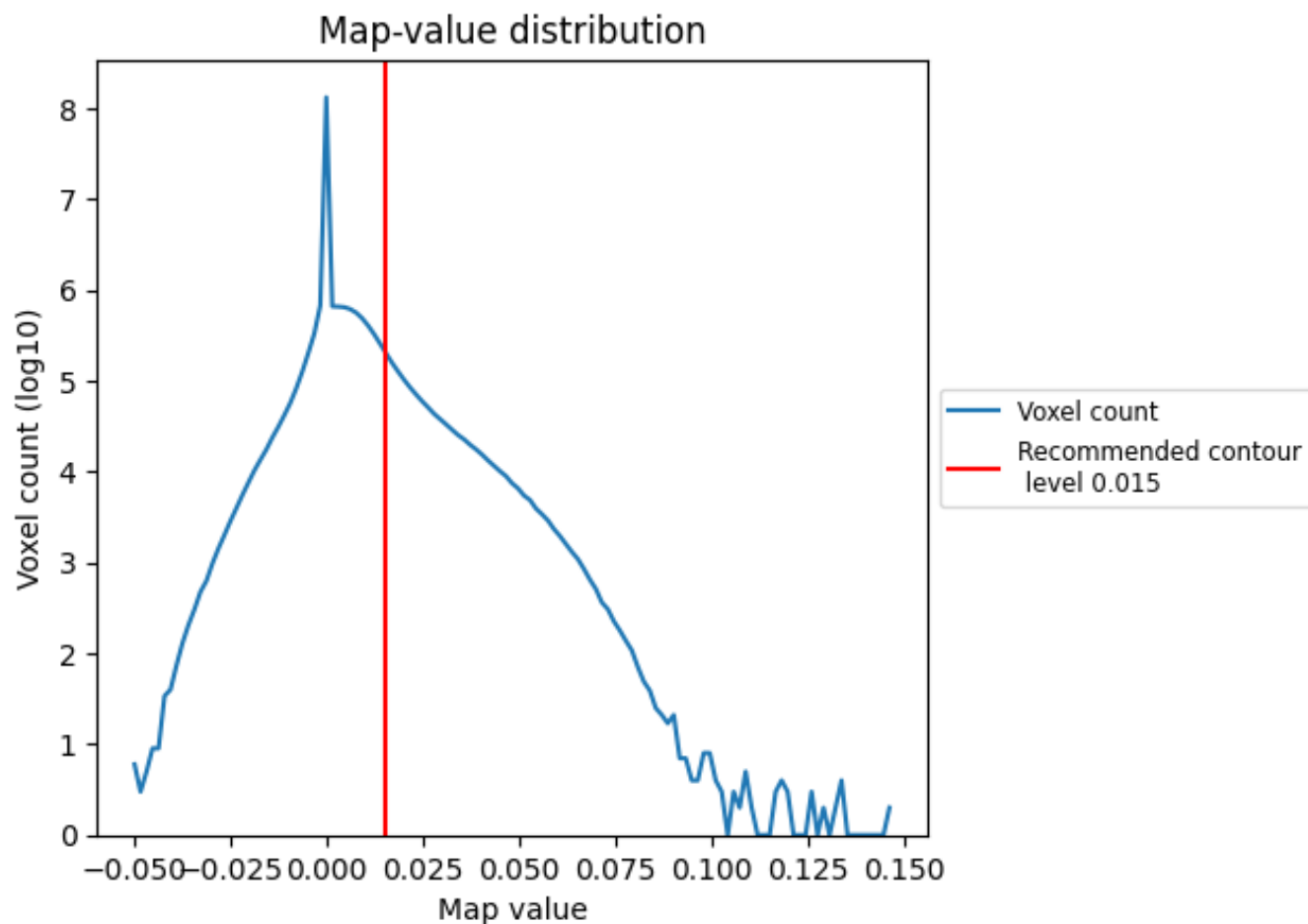
6.6 Mask visualisation [i](#)

This section was not generated. No masks/segmentation were deposited.

7 Map analysis [i](#)

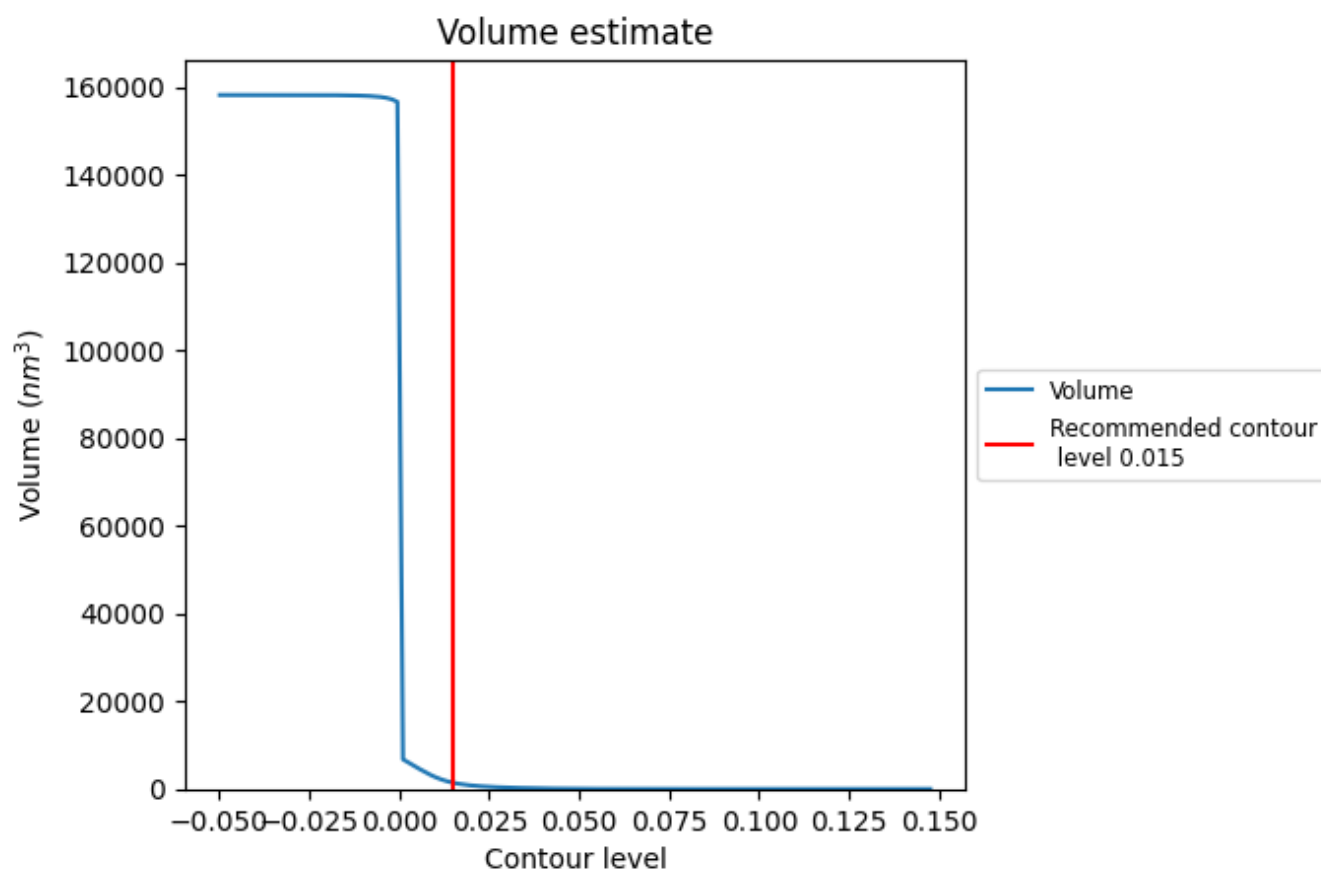
This section contains the results of statistical analysis of the map.

7.1 Map-value distribution [i](#)



The map-value distribution is plotted in 128 intervals along the x-axis. The y-axis is logarithmic. A spike in this graph at zero usually indicates that the volume has been masked.

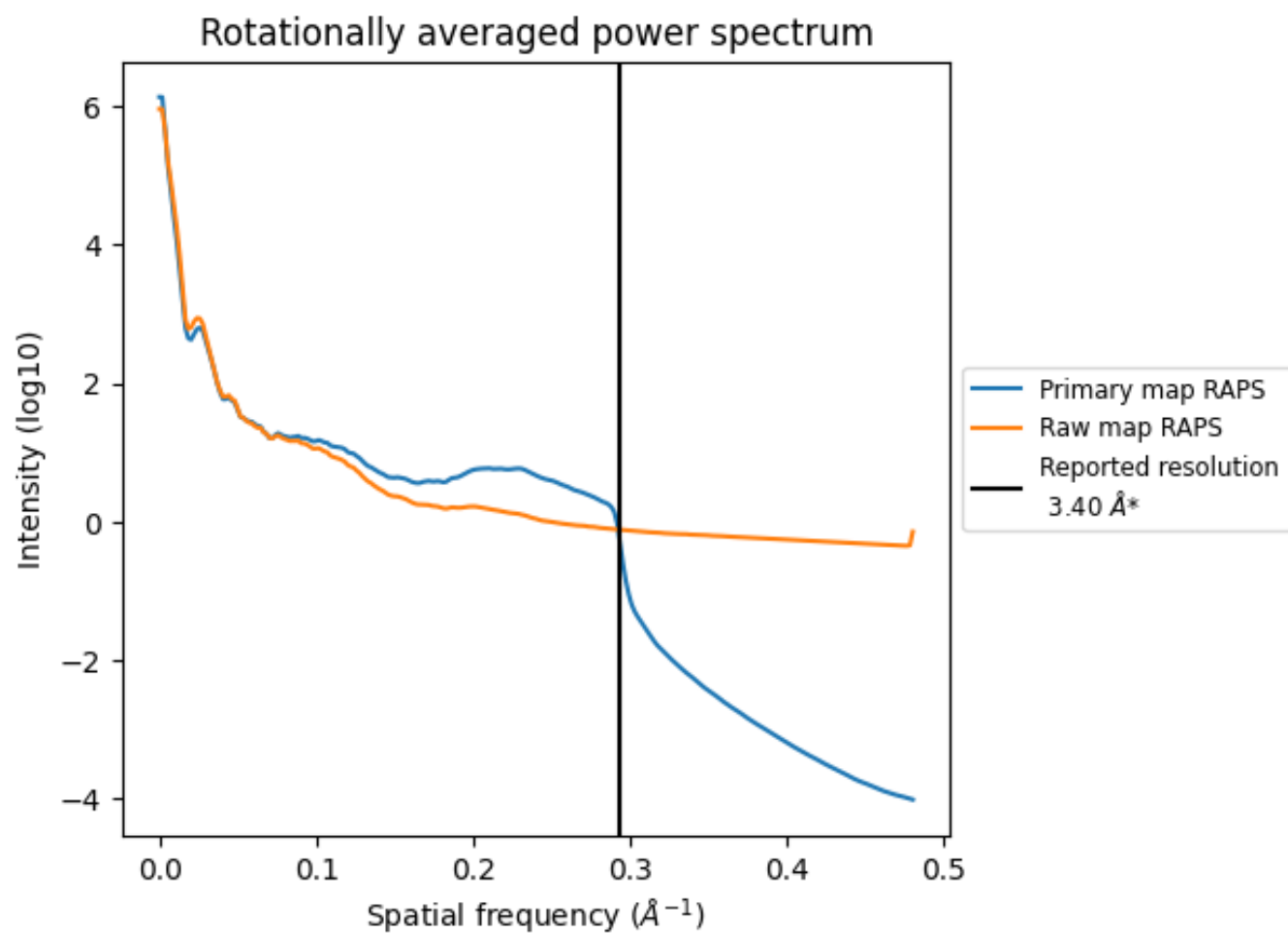
7.2 Volume estimate [i](#)



The volume at the recommended contour level is 1421 nm^3 ; this corresponds to an approximate mass of 1284 kDa.

The volume estimate graph shows how the enclosed volume varies with the contour level. The recommended contour level is shown as a vertical line and the intersection between the line and the curve gives the volume of the enclosed surface at the given level.

7.3 Rotationally averaged power spectrum ⓘ

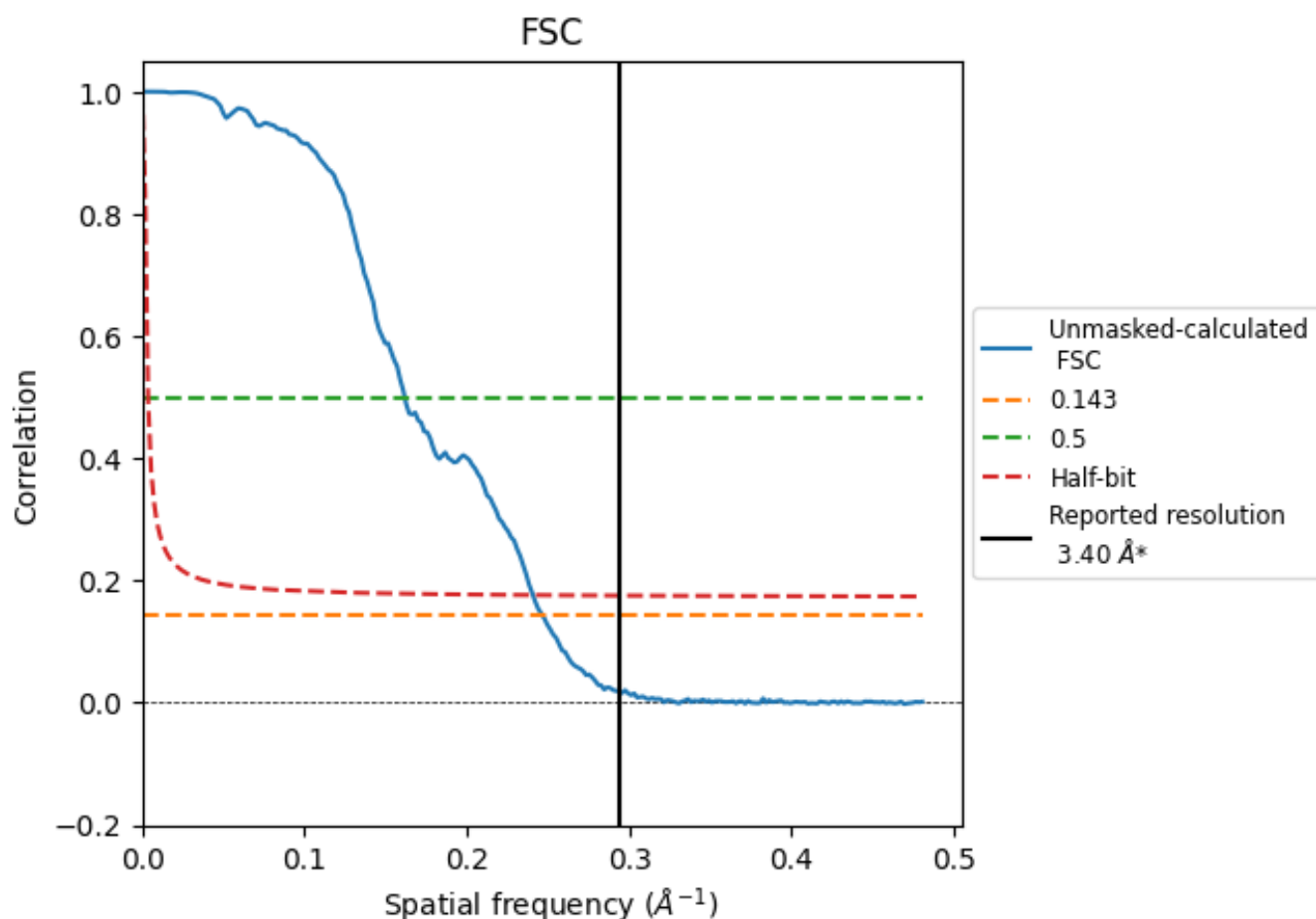


*Reported resolution corresponds to spatial frequency of 0.294 Å⁻¹

8 Fourier-Shell correlation [i](#)

Fourier-Shell Correlation (FSC) is the most commonly used method to estimate the resolution of single-particle and subtomogram-averaged maps. The shape of the curve depends on the imposed symmetry, mask and whether or not the two 3D reconstructions used were processed from a common reference. The reported resolution is shown as a black line. A curve is displayed for the half-bit criterion in addition to lines showing the 0.143 gold standard cut-off and 0.5 cut-off.

8.1 FSC [i](#)



*Reported resolution corresponds to spatial frequency of 0.294 \AA^{-1}

8.2 Resolution estimates [i](#)

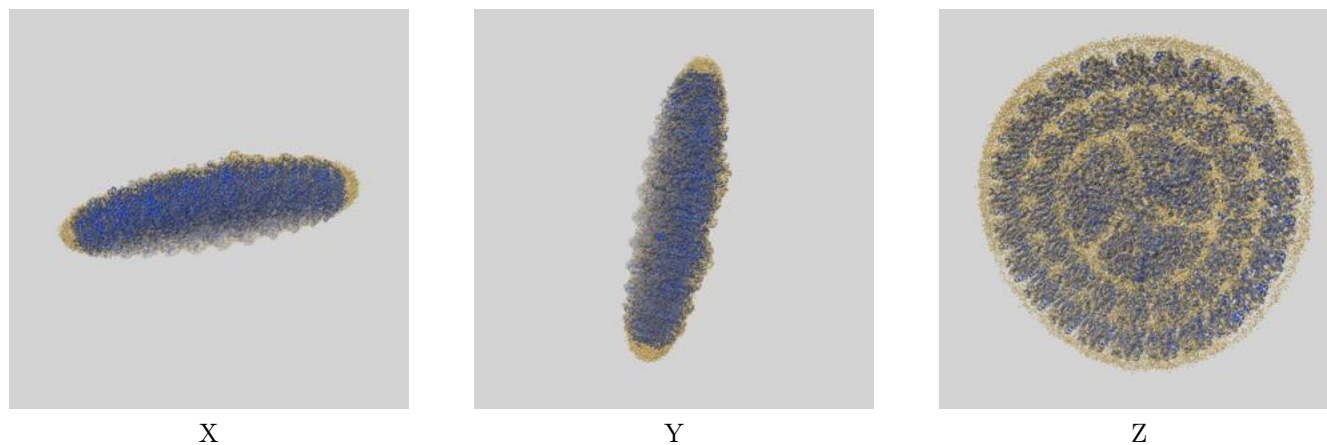
Resolution estimate (Å)	Estimation criterion (FSC cut-off)		
	0.143	0.5	Half-bit
Reported by author	3.40	-	-
Author-provided FSC curve	-	-	-
Unmasked-calculated*	4.05	6.18	4.15

*Resolution estimate based on FSC curve calculated by comparison of deposited half-maps. The value from deposited half-maps intersecting FSC 0.143 CUT-OFF 4.05 differs from the reported value 3.4 by more than 10 %

9 Map-model fit [i](#)

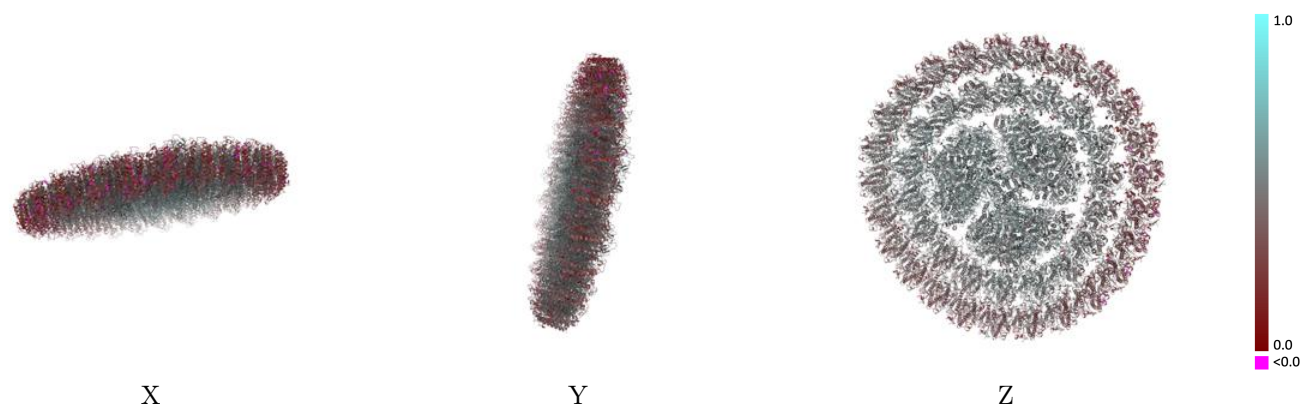
This section contains information regarding the fit between EMDB map EMD-63527 and PDB model 9LZJ. Per-residue inclusion information can be found in section [3](#) on page [106](#).

9.1 Map-model overlay [i](#)



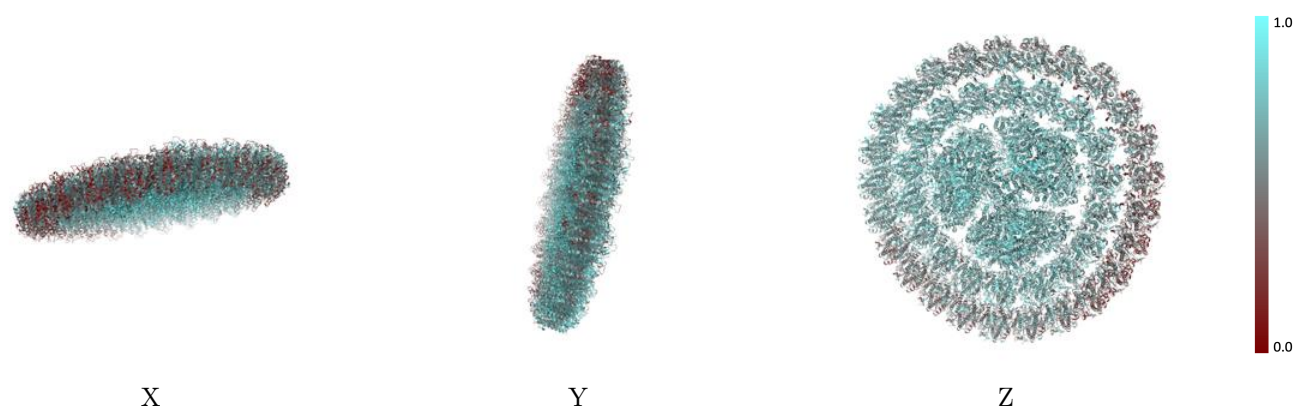
The images above show the 3D surface view of the map at the recommended contour level 0.015 at 50% transparency in yellow overlaid with a ribbon representation of the model coloured in blue. These images allow for the visual assessment of the quality of fit between the atomic model and the map.

9.2 Q-score mapped to coordinate model [i](#)



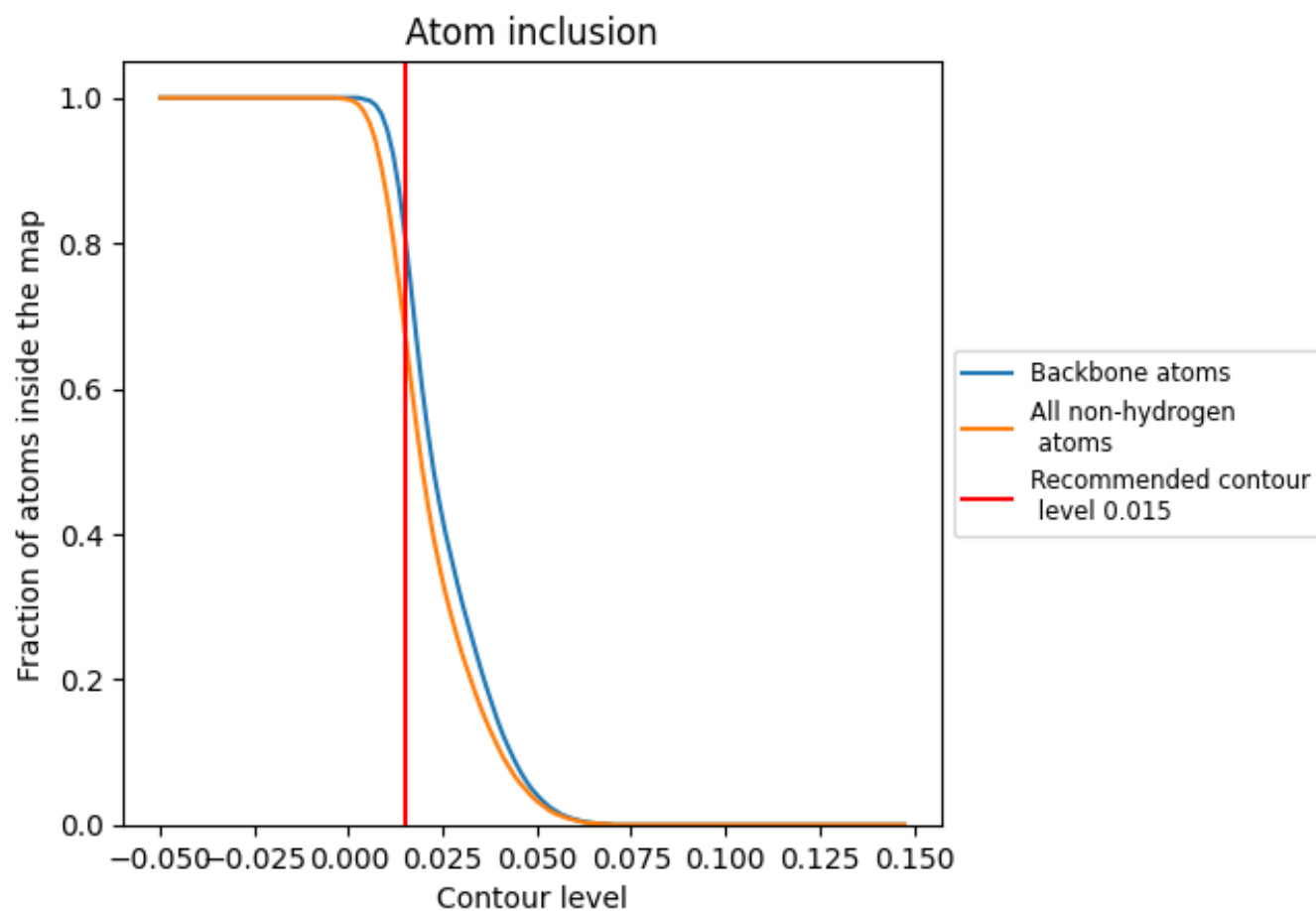
The images above show the model with each residue coloured according its Q-score. This shows their resolvability in the map with higher Q-score values reflecting better resolvability. Please note: Q-score is calculating the resolvability of atoms, and thus high values are only expected at resolutions at which atoms can be resolved. Low Q-score values may therefore be expected for many entries.

9.3 Atom inclusion mapped to coordinate model [i](#)



The images above show the model with each residue coloured according to its atom inclusion. This shows to what extent they are inside the map at the recommended contour level (0.015).







































































9.4 Atom inclusion [i](#)



At the recommended contour level, 81% of all backbone atoms, 68% of all non-hydrogen atoms, are inside the map.

9.5 Map-model fit summary ⓘ





















































































The table lists the average atom inclusion at the recommended contour level (0.015) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	 0.6790	 0.4300
S	 0.4640	 0.3210
T	 0.4240	 0.3010
U	 0.4470	 0.2930
V	 0.6290	 0.3660
W	 0.6830	 0.4040
X	 0.7010	 0.4240
Y	 0.7010	 0.4290
Z	 0.6560	 0.3890
a	 0.5940	 0.3640
a1	 0.7640	 0.4770
a2	 0.8070	 0.5060
a3	 0.8360	 0.5220
a4	 0.8070	 0.5100
a5	 0.7810	 0.4880
a6	 0.7430	 0.4650
aA	 0.8520	 0.5450
aB	 0.8650	 0.5440
aC	 0.8600	 0.5040
aD	 0.8080	 0.5120
aE	 0.7610	 0.5030
aF	 0.8050	 0.5110
aI	 0.8730	 0.5510
aJ	 0.8080	 0.5250
aK	 0.7370	 0.4650
aL	 0.8540	 0.5350
aM	 0.8270	 0.5110
aX	 0.8110	 0.5100
b	 0.5220	 0.3430
b1	 0.7750	 0.4920
b2	 0.7750	 0.4920
b3	 0.7690	 0.4810
b4	 0.7500	 0.4730
b5	 0.7050	 0.4440
b6	 0.6570	 0.4090









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Chain	Atom inclusion	Q-score
bA	 0.8390	 0.5370
bB	 0.8350	 0.5250
bC	 0.8500	 0.5010
bD	 0.7950	 0.4990
bE	 0.7670	 0.4770
bF	 0.7820	 0.4820
bI	 0.8630	 0.5470
bJ	 0.8090	 0.5020
bK	 0.7290	 0.4560
bL	 0.8460	 0.5300
bM	 0.7760	 0.5010
bX	 0.7600	 0.4690
c	 0.5360	 0.3570
c1	 0.7160	 0.4550
c2	 0.7450	 0.4680
c3	 0.7600	 0.4880
c4	 0.7430	 0.4720
c5	 0.6950	 0.4380
c6	 0.6680	 0.4010
cA	 0.8240	 0.5270
cB	 0.8320	 0.5230
cC	 0.8580	 0.5060
cD	 0.7770	 0.4960
cE	 0.7530	 0.4570
cF	 0.7660	 0.4710
cI	 0.8630	 0.5500
cJ	 0.7410	 0.4980
cK	 0.6830	 0.4230
cL	 0.8430	 0.5320
cM	 0.7580	 0.4820
cX	 0.7630	 0.4670
d	 0.5450	 0.3380
e	 0.4470	 0.2800
f	 0.4910	 0.3040
g	 0.4950	 0.3110
h	 0.4850	 0.3200
i	 0.3610	 0.2790
j	 0.3390	 0.2800
k	 0.3420	 0.2760
l	 0.3350	 0.2420
m	 0.3760	 0.2540
n	 0.4510	 0.2780

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Chain	Atom inclusion	Q-score
o	 0.4860	 0.2960
p	 0.4980	 0.3060
q	 0.5280	 0.3290