

Full wwPDB X-ray Structure Validation Report (i)

Nov 22, 2023 – 11:55 PM JST

PDB ID : 7XUB

Title: Structure of G9a in complex with compound 10d

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Deposited on : 2022-05-18

Resolution : 2.00 Å(reported)

This is a Full wwPDB X-ray Structure 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/XrayValidationReportHelp
with specific help available everywhere you see the (i) 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 (1)) were used in the production of this report:

MolProbity: 4.02b-467

Mogul : 1.8.5 (274361), CSD as541be (2020)

Xtriage (Phenix) : 1.13

EDS : 2.36

buster-report : 1.1.7 (2018)

Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)

Refmac : 5.8.0158

CCP4 : 7.0.044 (Gargrove)

Ideal geometry (proteins) : Engh & Huber (2001) Ideal geometry (DNA, RNA) : Parkinson et al. (1996)

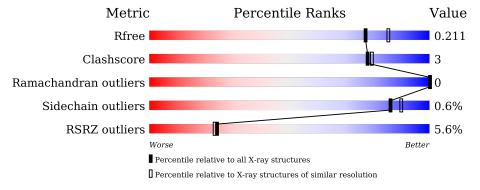
Validation Pipeline (wwPDB-VP) : 2.36

1 Overall quality at a glance (i)

The following experimental techniques were used to determine the structure: X- $RAY\ DIFFRACTION$

The reported resolution of this entry is 2.00 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 $(\# \mathrm{Entries})$	$\begin{array}{c} {\rm Similar\ resolution} \\ (\#{\rm Entries},\ {\rm resolution\ range}({\rm \AA})) \end{array}$
R_{free}	130704	8085 (2.00-2.00)
Clashscore	141614	9178 (2.00-2.00)
Ramachandran outliers	138981	9054 (2.00-2.00)
Sidechain outliers	138945	9053 (2.00-2.00)
RSRZ outliers	127900	7900 (2.00-2.00)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments of the lower 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 <=5% The upper red bar (where present) indicates the fraction of residues that have poor fit to the electron density. The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain		
1	A	283	86%	9%	• 5%
1	В	283	88%	6%	6%



2 Entry composition (i)

There are 7 unique types of molecules in this entry. The entry contains 4747 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, the ZeroOcc column contains the number of atoms modelled with zero occupancy, 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 Histone-lysine N-methyltransferase EHMT2.

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf	Trace		
1	A	270	Total 2167	C 1355	N 378	O 411	S 23	0	1	0
1	В	266	Total 2140	C 1339	N 372	O 406	S 23	0	1	0

There are 4 discrepancies between the modelled and reference sequences:

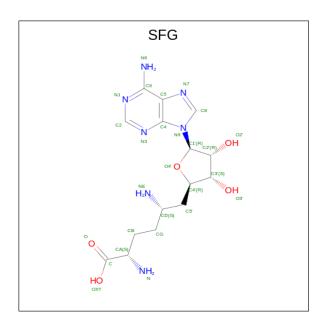
Chain	Residue	Modelled	Actual	Comment	Reference
A	911	GLY	-	expression tag	UNP Q96KQ7
A	912	SER	-	expression tag	UNP Q96KQ7
В	911	GLY	-	expression tag	UNP Q96KQ7
В	912	SER	-	expression tag	UNP Q96KQ7

• Molecule 2 is ZINC ION (three-letter code: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
2	A	4	Total Zn 4 4	0	0
2	В	4	Total Zn 4 4	0	0

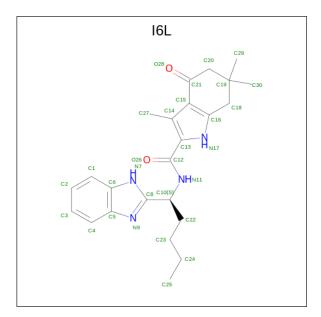
• Molecule 3 is SINEFUNGIN (three-letter code: SFG) (formula: $C_{15}H_{23}N_7O_5$).





Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
3	A	1	Total 27			0	0
3	В	1	Total 27			0	0

• Molecule 4 is $\{N\}-[(1 \{S\})-1-(1 \{H\}-benzimidazol-2-yl)pentyl]-3,6,6-trimethyl-4-oxidanylid ene-5,7-dihydro-1 <math>\{H\}-indole-2-carboxamide$ (three-letter code: I6L) (formula: $C_{24}H_{30}N_4O_2$) (labeled as "Ligand of Interest" by depositor).



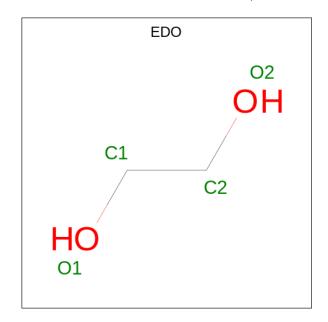
Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	
1	Λ	1	Total	С	N	О	0	0	
4	Λ	1	30	24	4	2	0	U	



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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
4	В	1	Total 30	C 24	N 4	O 2	0	0

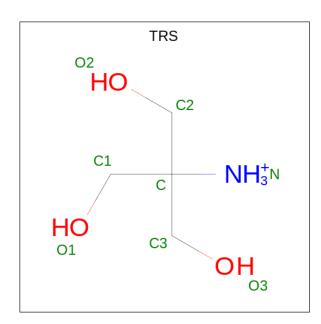
• Molecule 5 is 1,2-ETHANEDIOL (three-letter code: EDO) (formula: $C_2H_6O_2$).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
5	A	1	Total C O 4 2 2	0	0
5	В	1	Total C O 4 2 2	0	0
5	В	1	Total C O 4 2 2	0	0

 \bullet Molecule 6 is 2-AMINO-2-HYDROXYMETHYL-PROPANE-1,3-DIOL (three-letter code: TRS) (formula: $C_4H_{12}NO_3).$





Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
6	В	1	Total 8	C 4	N 1	O 3	0	0

• Molecule 7 is water.

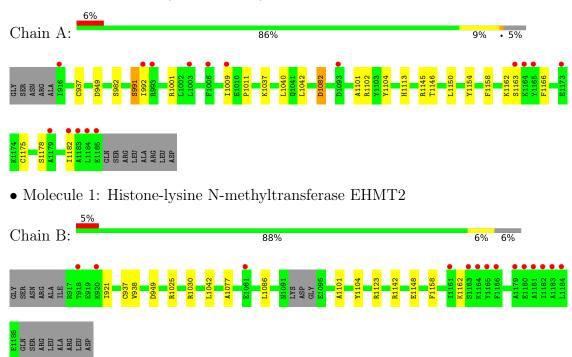
\mathbf{Mol}	Chain	Residues	Atoms	ZeroOcc	AltConf
7	A	154	Total O 154 154	0	0
7	В	144	Total O 144 144	0	0



3 Residue-property plots (i)

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 electron 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 dot above a residue indicates a poor fit to the electron density (RSRZ > 2). 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: Histone-lysine N-methyltransferase EHMT2





4 Data and refinement statistics (i)

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants	56.57Å 77.46Å 68.11Å	Donositor
a, b, c, α , β , γ	90.00° 90.44° 90.00°	Depositor
Resolution (Å)	38.05 - 2.00	Depositor
Resolution (A)	45.68 - 1.99	EDS
% Data completeness	99.6 (38.05-2.00)	Depositor
(in resolution range)	99.8 (45.68-1.99)	EDS
R_{merge}	(Not available)	Depositor
R_{sym}	0.10	Depositor
$< I/\sigma(I) > 1$	2.93 (at 2.00Å)	Xtriage
Refinement program	PHENIX 1.19.2_4158+SVN	Depositor
D.D.	0.178 , 0.215	Depositor
R, R_{free}	0.174 , 0.211	DCC
R_{free} test set	2023 reflections (5.04%)	wwPDB-VP
Wilson B-factor (Å ²)	30.0	Xtriage
Anisotropy	0.766	Xtriage
Bulk solvent $k_{sol}(e/Å^3)$, $B_{sol}(Å^2)$	0.36 , 51.7	EDS
L-test for twinning ²	$< L >=0.48, < L^2>=0.32$	Xtriage
Estimated twinning fraction	0.028 for h,-k,-l	Xtriage
F_o, F_c correlation	0.97	EDS
Total number of atoms	4747	wwPDB-VP
Average B, all atoms (Å ²)	47.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: The analyses of the Patterson function reveals a significant off-origin peak that is 26.32 % of the origin peak, indicating pseudo-translational symmetry. The chance of finding a peak of this or larger height randomly in a structure without pseudo-translational symmetry is equal to 2.6942e-03. The detected translational NCS is most likely also responsible for the elevated intensity ratio.

²Theoretical values of <|L|>, $<L^2>$ for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.



¹Intensities estimated from amplitudes.

5 Model quality (i)

5.1 Standard geometry (i)

Bond lengths and bond angles in the following residue types are not validated in this section: TRS, EDO, ZN, SFG, I6L

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		
IVIOI		RMSZ	# Z > 5	RMSZ	# Z > 5	
1	A	0.35	0/2216	0.57	0/2997	
1	В	0.37	0/2188	0.58	0/2958	
All	All	0.36	0/4404	0.57	0/5955	

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts (i)

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	A	2167	0	2058	15	0
1	В	2140	0	2032	9	0
2	A	4	0	0	0	0
2	В	4	0	0	0	0
3	A	27	0	22	1	0
3	В	27	0	22	0	0
4	A	30	0	0	0	0
4	В	30	0	0	0	0
5	A	4	0	6	0	0
5	В	8	0	12	0	0
6	В	8	0	12	0	0



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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
7	A	154	0	0	2	0
7	В	144	0	0	0	0
All	All	4747	0	4164	25	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 3.

All (25) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

A 4 1	A 4 0	Interatomic	Clash
Atom-1	Atom-2	${\rm distance}\ (\mathring{\rm A})$	overlap (Å)
1:A:1037:LYS:NZ	7:A:1302:HOH:O	2.33	0.61
1:B:921:ILE:HA	1:B:938:VAL:HG12	1.95	0.49
1:A:937:CYS:HA	1:A:1042:LEU:O	2.13	0.48
1:A:1009:ILE:O	1:A:1011:PRO:HD3	2.14	0.47
1:A:1163:SER:HA	1:A:1166:PHE:O	2.15	0.47
1:B:937:CYS:HA	1:B:1042:LEU:O	2.14	0.47
1:A:991:SER:O	1:A:992:ILE:HB	2.16	0.46
1:B:1101:ALA:HA	1:B:1104:TYR:O	2.18	0.44
1:B:1025:ARG:O	1:B:1030:ARG:HD2	2.18	0.44
1:A:1113:HIS:HB2	1:A:1154:TYR:CG	2.53	0.44
3:A:1205:SFG:H8	3:A:1205:SFG:H5'2	2.00	0.44
1:A:1145:ARG:HD3	1:A:1146:THR:H	1.83	0.43
1:B:1142[A]:ARG:NH2	1:B:1148:GLU:OE2	2.47	0.43
1:A:1175:CYS:SG	1:A:1178:SER:HB3	2.59	0.42
1:A:1158:PHE:CZ	1:A:1162:LYS:HG3	2.55	0.42
1:A:1182:ILE:HD12	1:A:1182:ILE:HA	1.93	0.42
1:A:1040:LEU:HD22	1:A:1150:LEU:HD11	2.01	0.42
1:A:1082:ASP:CG	1:A:1102:ARG:HH21	2.22	0.41
1:B:1158:PHE:CZ	1:B:1162:LYS:HG3	2.55	0.41
1:B:949:ASP:OD1	1:B:949:ASP:N	2.45	0.41
1:A:1101:ALA:HA	1:A:1104:TYR:O	2.21	0.41
1:B:1077:ALA:HB1	1:B:1086:LEU:HD21	2.03	0.41
1:B:1123:ARG:HE	1:B:1123:ARG:HB2	1.54	0.41
1:A:1001:ARG:HD2	7:A:1404:HOH:O	2.21	0.40

There are no symmetry-related clashes.



5.3 Torsion angles (i)

5.3.1 Protein backbone (i)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution.

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	Perce	entiles
1	A	$269/283 \; (95\%)$	251 (93%)	18 (7%)	0	100	100
1	В	$263/283 \ (93\%)$	252 (96%)	11 (4%)	0	100	100
All	All	532/566 (94%)	503 (94%)	29 (6%)	0	100	100

There are no Ramachandran outliers to report.

5.3.2 Protein sidechains (i)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution.

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	tameric Outliers	
1	A	$240/253 \ (95\%)$	237 (99%)	3 (1%)	69 74
1	В	238/253 (94%)	238 (100%)	0	100 100
All	All	478/506 (94%)	475 (99%)	3 (1%)	86 90

All (3) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	982	SER
1	A	991	SER
1	A	1082	ASP

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. There are no such sidechains identified.



5.3.3 RNA (i)

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 monosaccharides in this entry.

5.6 Ligand geometry (i)

Of 16 ligands modelled in this entry, 8 are monoatomic - leaving 8 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	Mol Type Chain Res Link				Во	Bond lengths			Bond angles		
MIOI	Type	Chain	nes	Lilik	Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2	
3	SFG	A	1205	-	25,29,29	0.84	0	23,42,42	1.33	2 (8%)	
5	EDO	A	1207	-	3,3,3	0.44	0	2,2,2	0.48	0	
5	EDO	В	1209	-	3,3,3	0.49	0	2,2,2	0.37	0	
4	I6L	A	1206	-	28,33,33	1.63	2 (7%)	29,49,49	2.11	4 (13%)	
6	TRS	В	1207	-	7,7,7	0.26	0	9,9,9	0.61	0	
3	SFG	В	1205	-	25,29,29	0.80	0	23,42,42	1.32	2 (8%)	
4	I6L	В	1206	-	28,33,33	1.58	2 (7%)	29,49,49	2.27	5 (17%)	
5	EDO	В	1208	-	3,3,3	0.47	0	2,2,2	0.33	0	

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
3	SFG	A	1205	-	-	3/13/33/33	0/3/3/3



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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
5	EDO	A	1207	-	-	1/1/1/1	-
5	EDO	В	1209	-	-	0/1/1/1	-
4	I6L	A	1206	-	-	2/8/30/30	0/4/4/4
6	TRS	В	1207	-	-	0/9/9/9	-
3	SFG	В	1205	-	-	2/13/33/33	0/3/3/3
4	I6L	В	1206	-	-	2/8/30/30	0/4/4/4
5	EDO	В	1208	-	-	0/1/1/1	-

All (4) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(A)	$Ideal(\AA)$
4	A	1206	I6L	C15-C14	5.62	1.49	1.39
4	В	1206	I6L	C15-C14	5.33	1.49	1.39
4	A	1206	I6L	C13-C14	4.71	1.50	1.40
4	В	1206	I6L	C13-C14	4.59	1.50	1.40

All (13) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	$\operatorname{Observed}(^o)$	$\operatorname{Ideal}({}^{o})$
4	В	1206	I6L	C19-C18-C16	-9.32	106.76	114.12
4	A	1206	I6L	C19-C18-C16	-9.11	106.92	114.12
3	В	1205	SFG	N3-C2-N1	-4.57	121.53	128.68
3	A	1205	SFG	N3-C2-N1	-4.46	121.71	128.68
4	В	1206	I6L	C20-C19-C18	3.88	113.32	107.94
4	В	1206	I6L	C16-C15-C14	3.81	110.39	104.25
4	A	1206	I6L	C20-C19-C18	3.74	113.12	107.94
4	A	1206	I6L	C16-C15-C14	3.15	109.33	104.25
3	A	1205	SFG	O4'-C1'-C2'	-2.44	103.36	106.93
4	В	1206	I6L	C19-C20-C21	2.18	116.89	113.73
3	В	1205	SFG	C4-C5-N7	-2.09	107.22	109.40
4	A	1206	I6L	C30-C19-C18	-2.06	106.62	109.68
4	В	1206	I6L	O26-C12-C13	-2.05	117.53	120.59

There are no chirality outliers.

All (10) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
3	A	1205	SFG	NE-CD-CG-CB
3	A	1205	SFG	C5'-CD-CG-CB
3	В	1205	SFG	NE-CD-CG-CB



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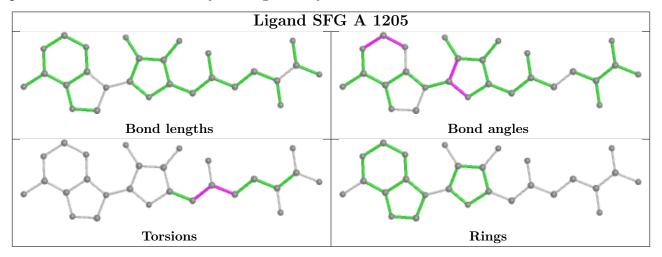
Mol	Chain	Res	Type	Atoms
3	В	1205	SFG	C5'-CD-CG-CB
4	В	1206	I6L	C22-C10-N11-C12
5	A	1207	EDO	O1-C1-C2-O2
4	A	1206	I6L	C22-C10-N11-C12
4	В	1206	I6L	C8-C10-N11-C12
4	A	1206	I6L	C8-C10-N11-C12
3	A	1205	SFG	C4'-C5'-CD-NE

There are no ring outliers.

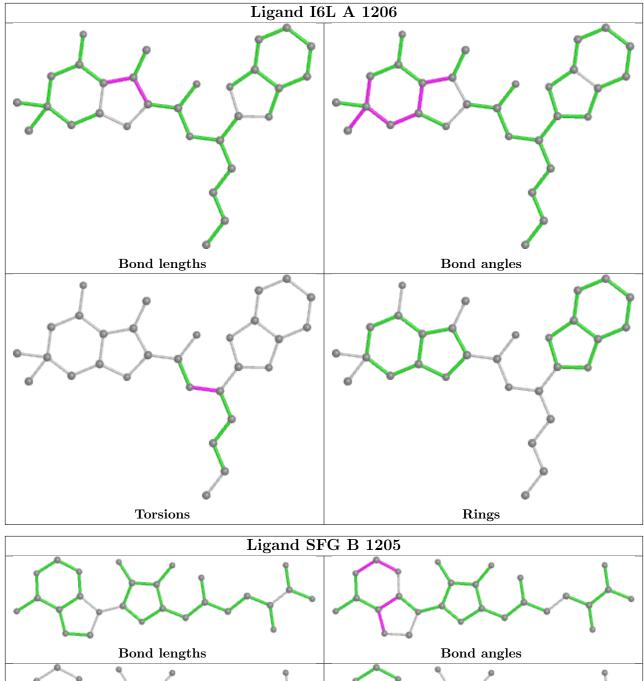
1 monomer is involved in 1 short contact:

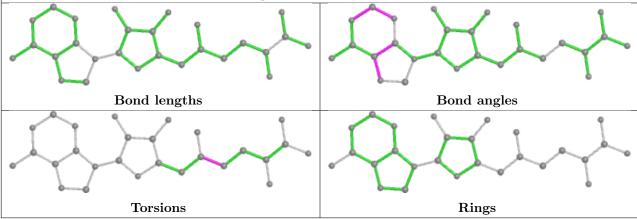
Mol	Chain	Res	Type	Clashes	Symm-Clashes
3	A	1205	SFG	1	0

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 then 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.

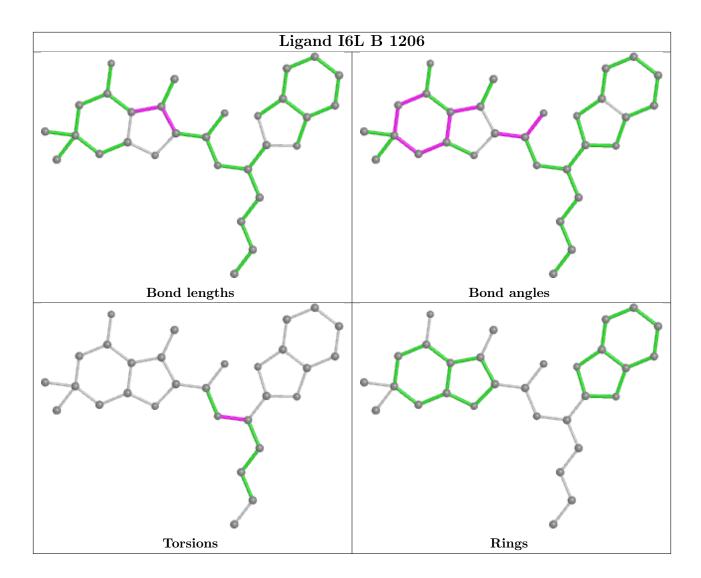












5.7 Other polymers (i)

There are no such residues in this entry.

5.8 Polymer linkage issues (i)

There are no chain breaks in this entry.



6 Fit of model and data (i)

6.1 Protein, DNA and RNA chains (i)

In the following table, the column labelled '#RSRZ>2' contains the number (and percentage) of RSRZ outliers, followed by percent RSRZ outliers for the chain as percentile scores relative to all X-ray entries and entries of similar resolution. The OWAB column contains the minimum, median, 95^{th} percentile and maximum values of the occupancy-weighted average B-factor per residue. The column labelled 'Q< 0.9' lists the number of (and percentage) of residues with an average occupancy less than 0.9.

Mol	Chain	Analysed	<RSRZ $>$	$\#\mathrm{RSRZ}{>}2$		$\mathbf{OWAB}(\mathbf{\mathring{A}}^2)$	Q<0.9
1	A	$270/283 \ (95\%)$	0.26	16 (5%) 2	22 21	25, 44, 92, 115	0
1	В	$266/283 \ (93\%)$	0.12	14 (5%) 2	26 25	25, 41, 83, 106	0
All	All	536/566 (94%)	0.19	30 (5%) 2	24 23	25, 42, 88, 115	0

All (30) RSRZ outliers are listed below:

Mol	Chain	Res Type		RSRZ
1	В	1179	ALA	6.5
1	A	1182	ILE	5.7
1	A	1165	TYR	5.3
1	A	1183	ALA	5.2
1	A	1009	ILE	4.9
1	A	992	ILE	4.7
1	В	1182	ILE	4.6
1	В	918	THR	4.5
1	В	1166	PHE	4.0
1	В	1165	TYR	3.6
1	A	1184	LEU	3.4
1	A	1003	LEU	3.4
1	В	920	LYS	3.2
1	В	1163	SER	3.2
1	A	1006	PHE	3.1
1	A	1173	GLU	3.1
1	A	1179	ALA	3.0
1	A	1163	SER	2.9
1	В	1161	ILE	2.6
1	В	1164	LYS	2.6
1	В	1180	GLU	2.4
1	В	1183	ALA	2.3
1	A	916	ILE	2.3
1	A	993	ARG	2.3



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Mol	Chain	Res	Type	RSRZ
1	A	1093	ASP	2.2
1	A	1185	GLU	2.2
1	В	1184	LEU	2.2
1	A	1164	LYS	2.1
1	В	1081	GLU	2.1
1	В	1181	ALA	2.1

6.2 Non-standard residues in protein, DNA, RNA chains (i)

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

6.3 Carbohydrates (i)

There are no monosaccharides in this entry.

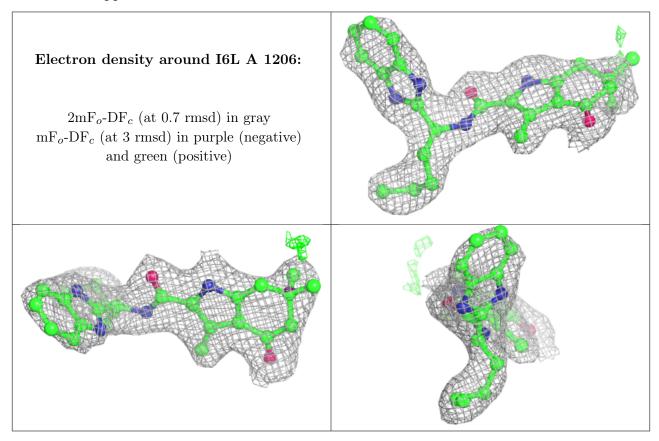
6.4 Ligands (i)

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95^{th} percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

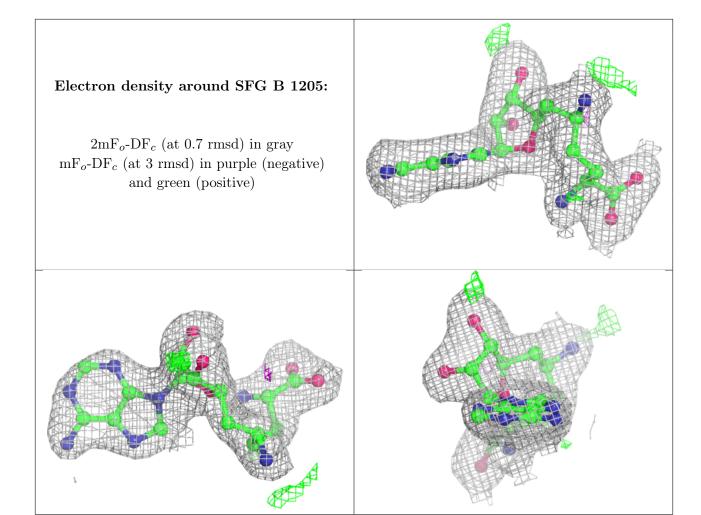
Mol	Type	Chain	Res	Atoms	RSCC	RSR	$\mathbf{B} ext{-}\mathbf{factors}(\mathbf{\mathring{A}}^2)$	Q<0.9
6	TRS	В	1207	8/8	0.81	0.17	51,58,61,67	0
5	EDO	В	1209	4/4	0.90	0.11	46,47,53,54	0
5	EDO	В	1208	4/4	0.91	0.12	33,35,36,38	0
4	I6L	A	1206	30/30	0.92	0.17	43,50,71,76	0
3	SFG	В	1205	27/27	0.93	0.13	30,39,52,56	0
5	EDO	A	1207	4/4	0.94	0.19	42,43,44,45	0
4	I6L	В	1206	30/30	0.94	0.15	39,44,58,60	0
3	SFG	A	1205	27/27	0.95	0.10	29,39,50,52	0
2	ZN	A	1204	1/1	0.95	0.08	60,60,60,60	0
2	ZN	A	1203	1/1	0.97	0.07	38,38,38,38	0
2	ZN	В	1204	1/1	0.97	0.07	52,52,52,52	0
2	ZN	A	1202	1/1	0.98	0.12	34,34,34,34	0
2	ZN	В	1201	1/1	0.99	0.10	27,27,27,27	0
2	ZN	A	1201	1/1	0.99	0.10	36,36,36,36	0
2	ZN	В	1203	1/1	1.00	0.13	29,29,29,29	0
2	ZN	В	1202	1/1	1.00	0.13	28,28,28,28	0



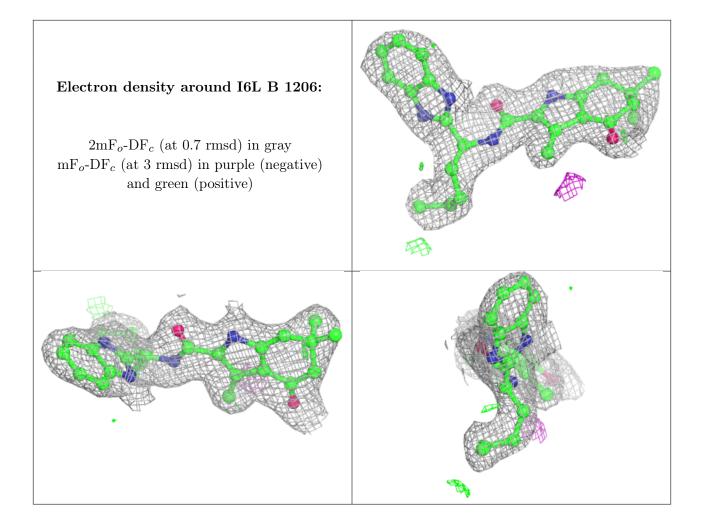
The following is a graphical depiction of the model fit to experimental electron density of all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the geometry validation Tables will also be included. Each fit is shown from different orientation to approximate a three-dimensional view.



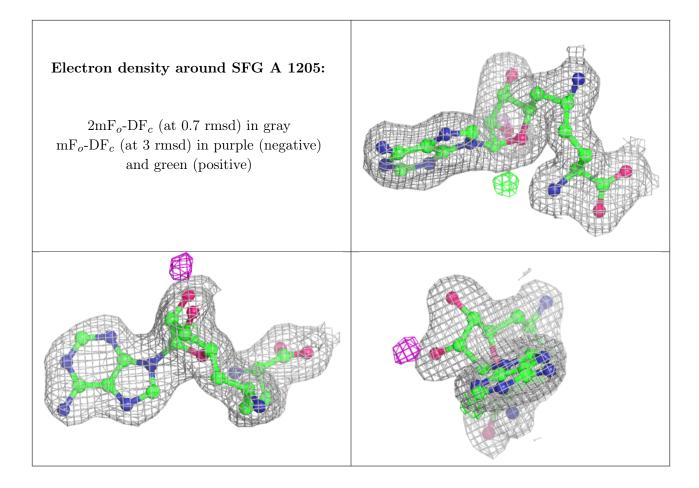












6.5 Other polymers (i)

There are no such residues in this entry.

