



wwPDB X-ray Structure Validation Summary Report ⓘ

May 23, 2024 – 12:31 PM EDT

PDB ID : 9BOL
Title : Crystal structure of the complex between VHL, ElonginB, ElonginC, and compound 5
Authors : Murray, J.M.; Wu, H.; Fuhrmann, J.; Fairbrother, W.J.; DiPasquale, A.
Deposited on : 2024-05-03
Resolution : 1.99 Å(reported)

This is a wwPDB X-ray Structure Validation Summary 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 ⓘ 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:

MolProbity : 4.02b-467
Mogul : 1.8.5 (274361), CSD as541be (2020)
Xtrriage (Phenix) : 1.13
EDS : 2.36.2
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) : 2.36.2

Continued from previous page...

Mol	Chain	Length	Quality of chain
3	F	176	 <p>A horizontal bar chart representing the quality of chain. The bar is divided into three segments: a small red segment on the left labeled '3%', a large green segment in the middle labeled '81%', and a small grey segment on the right labeled '17%'. A small black dot is visible on the green segment near the right edge.</p>

2 Entry composition [i](#)

There are 8 unique types of molecules in this entry. The entry contains 5970 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 Elongin-B.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
1	A	104	822	520	138	159	5	0	0	0
1	D	104	822	520	138	159	5	0	0	0

- Molecule 2 is a protein called Elongin-C.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
2	B	89	711	456	114	135	6	0	0	0
2	E	87	694	447	111	130	6	0	0	0

- Molecule 3 is a protein called von Hippel-Lindau disease tumor suppressor.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
3	C	149	1238	784	230	221	3	0	2	0
3	F	146	1229	780	226	220	3	0	4	0

There are 32 discrepancies between the modelled and reference sequences:

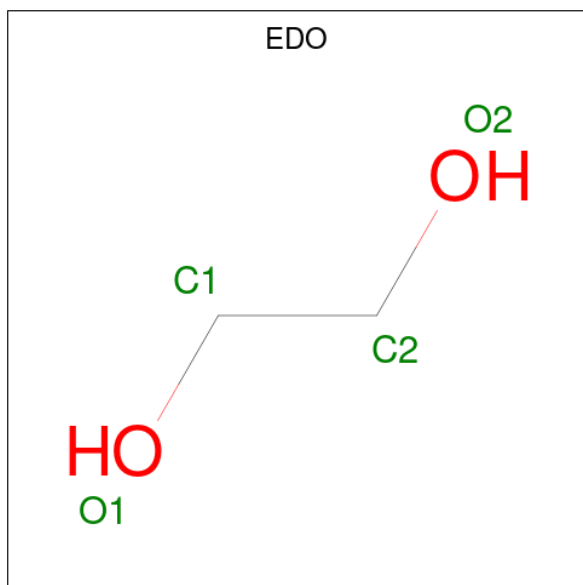
Chain	Residue	Modelled	Actual	Comment	Reference
C	38	MET	-	initiating methionine	UNP P40337
C	39	HIS	-	expression tag	UNP P40337
C	40	HIS	-	expression tag	UNP P40337
C	41	HIS	-	expression tag	UNP P40337
C	42	HIS	-	expression tag	UNP P40337
C	43	HIS	-	expression tag	UNP P40337
C	44	HIS	-	expression tag	UNP P40337
C	45	GLY	-	expression tag	UNP P40337

Continued on next page...

Continued from previous page...

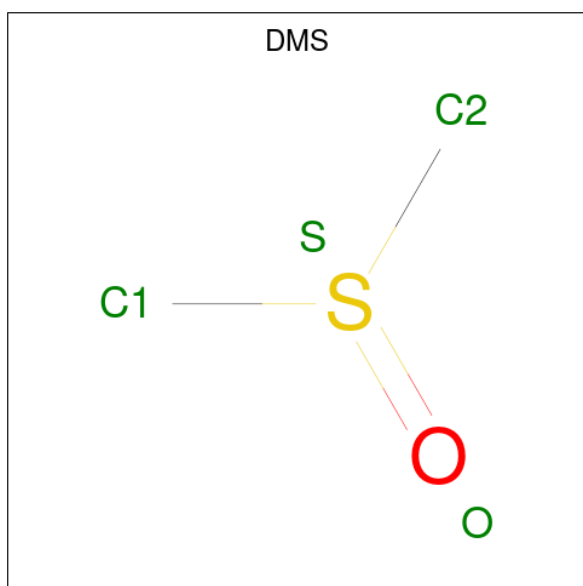
Chain	Residue	Modelled	Actual	Comment	Reference
C	46	GLU	-	expression tag	UNP P40337
C	47	ASN	-	expression tag	UNP P40337
C	48	LEU	-	expression tag	UNP P40337
C	49	TYR	-	expression tag	UNP P40337
C	50	PHE	-	expression tag	UNP P40337
C	51	GLN	-	expression tag	UNP P40337
C	52	GLY	-	expression tag	UNP P40337
C	53	SER	-	expression tag	UNP P40337
F	38	MET	-	initiating methionine	UNP P40337
F	39	HIS	-	expression tag	UNP P40337
F	40	HIS	-	expression tag	UNP P40337
F	41	HIS	-	expression tag	UNP P40337
F	42	HIS	-	expression tag	UNP P40337
F	43	HIS	-	expression tag	UNP P40337
F	44	HIS	-	expression tag	UNP P40337
F	45	GLY	-	expression tag	UNP P40337
F	46	GLU	-	expression tag	UNP P40337
F	47	ASN	-	expression tag	UNP P40337
F	48	LEU	-	expression tag	UNP P40337
F	49	TYR	-	expression tag	UNP P40337
F	50	PHE	-	expression tag	UNP P40337
F	51	GLN	-	expression tag	UNP P40337
F	52	GLY	-	expression tag	UNP P40337
F	53	SER	-	expression tag	UNP P40337

- Molecule 4 is 1,2-ETHANEDIOL (three-letter code: EDO) (formula: C₂H₆O₂).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
4	B	1	Total C O 4 2 2	0	0
4	B	1	Total C O 4 2 2	0	0
4	C	1	Total C O 4 2 2	0	0
4	E	1	Total C O 4 2 2	0	0
4	F	1	Total C O 4 2 2	0	0

- Molecule 5 is DIMETHYL SULFOXIDE (three-letter code: DMS) (formula: C₂H₆OS).

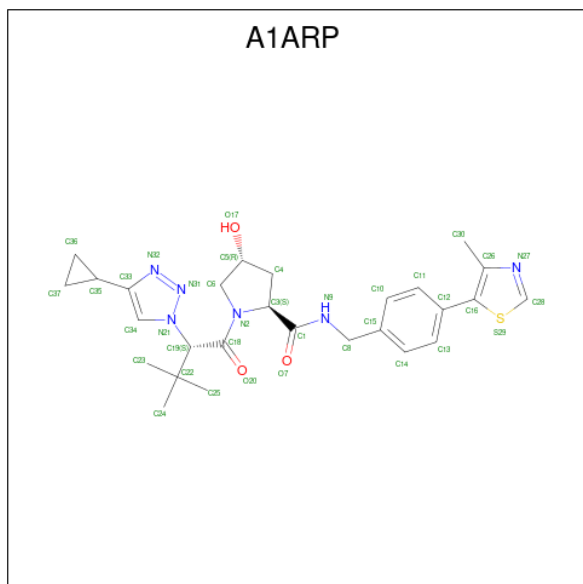


Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
5	C	1	Total C O S 4 2 1 1	0	0
5	E	1	Total C O S 4 2 1 1	0	0

- Molecule 6 is CHLORIDE ION (three-letter code: CL) (formula: Cl).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
6	C	1	Total Cl 1 1	0	0
6	F	1	Total Cl 1 1	0	0

- Molecule 7 is (4R)-1-[(2S)-2-(4-cyclopropyl-1H-1,2,3-triazol-1-yl)-3,3-dimethylbutanoyl]-4-hydroxy-N-{{4-(4-methyl-1,3-thiazol-5-yl)phenyl}methyl}-L-prolinamide (three-letter code: A1ARP) (formula: C₂₇H₃₄N₆O₃S) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
7	C	1	Total	C	N	O	S	0	0
				37	27	6	3		
7	F	1	Total	C	N	O	S	0	0
				37	27	6	3		

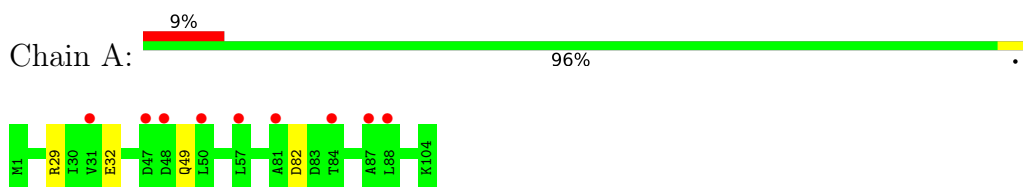
- Molecule 8 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
8	A	35	Total	O	0	0
				35		
8	B	41	Total	O	0	0
				41		
8	C	100	Total	O	0	1
				101		
8	D	59	Total	O	0	0
				59		
8	E	35	Total	O	0	0
				35		
8	F	79	Total	O	0	0
				79		

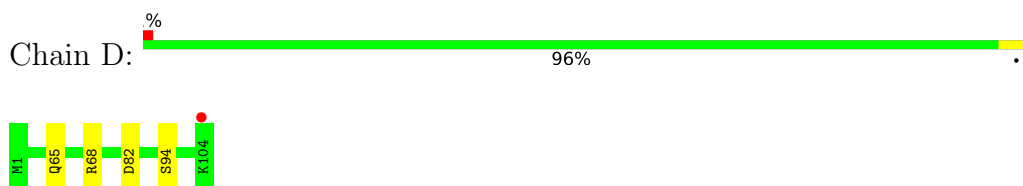
3 Residue-property plots [i](#)

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.

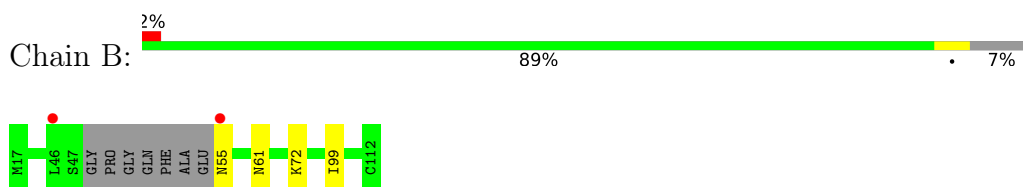
- Molecule 1: Elongin-B



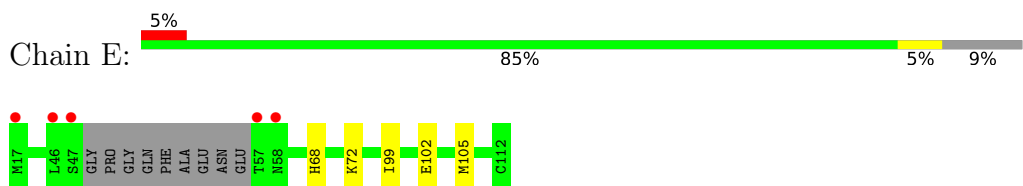
- Molecule 1: Elongin-B



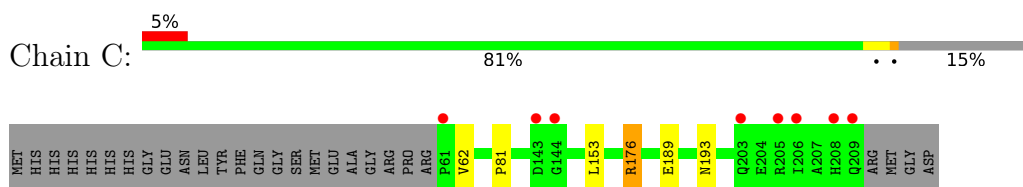
- Molecule 2: Elongin-C



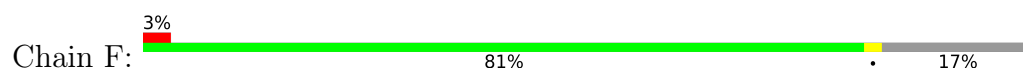
- Molecule 2: Elongin-C



- Molecule 3: von Hippel-Lindau disease tumor suppressor



- Molecule 3: von Hippel-Lindau disease tumor suppressor



MET	HIS	HIS	HIS	HIS	HIS	HIS	GLY	GLU	ASN	LEU	TYR	PHE	GLN	GLY	SER	MET	GLU	ALA	GLY	ARG	PRO	ARG	ARG	P61	Q132	V137	L140	D143	G144	P154	V155	Y156	R205	I206	ALA	HIS	GLN	ARG	MET	GLY	ASP
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------	------	------	------	------	-----	-----	-----	-----	-----	-----	-----

4 Data and refinement statistics

Property	Value	Source
Space group	P 1	Depositor
Cell constants a, b, c, α , β , γ	47.46Å 47.74Å 100.35Å 103.62° 94.66° 98.33°	Depositor
Resolution (Å)	46.66 – 1.99 46.62 – 1.99	Depositor EDS
% Data completeness (in resolution range)	88.0 (46.66-1.99) 88.1 (46.62-1.99)	Depositor EDS
R_{merge}	0.05	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.24 (at 1.98Å)	Xtrriage
Refinement program	REFMAC 5.8.0238	Depositor
R, R_{free}	0.202 , 0.248 0.208 , 0.252	Depositor DCC
R_{free} test set	2487 reflections (4.90%)	wwPDB-VP
Wilson B-factor (Å ²)	37.2	Xtrriage
Anisotropy	0.100	Xtrriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.36 , 39.0	EDS
L-test for twinning ²	$\langle L \rangle = 0.48$, $\langle L^2 \rangle = 0.31$	Xtrriage
Estimated twinning fraction	No twinning to report.	Xtrriage
F_o, F_c correlation	0.95	EDS
Total number of atoms	5970	wwPDB-VP
Average B, all atoms (Å ²)	46.0	wwPDB-VP

Xtrriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 6.11% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

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

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: DMS, EDO, CL, A1ARP

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	A	0.64	0/838	0.73	0/1132
1	D	0.63	0/838	0.73	0/1132
2	B	0.64	0/725	0.70	0/978
2	E	0.65	0/708	0.69	0/955
3	C	0.61	0/1270	0.72	0/1731
3	F	0.61	0/1261	0.74	0/1721
All	All	0.63	0/5640	0.72	0/7649

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	822	0	824	1	0
1	D	822	0	824	2	0
2	B	711	0	707	3	0
2	E	694	0	695	4	0
3	C	1238	0	1236	2	0
3	F	1229	0	1226	2	0
4	B	8	0	12	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
4	C	4	0	6	0	0
4	E	4	0	6	1	0
4	F	4	0	6	0	0
5	C	4	0	6	0	0
5	E	4	0	6	0	0
6	C	1	0	0	0	0
6	F	1	0	0	0	0
7	C	37	0	0	0	0
7	F	37	0	0	0	0
8	A	35	0	0	0	0
8	B	41	0	0	0	0
8	C	101	0	0	0	0
8	D	59	0	0	0	0
8	E	35	0	0	0	0
8	F	79	0	0	0	0
All	All	5970	0	5554	13	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 1.

The worst 5 of 13 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)
2:B:55:ASN:OD1	2:B:61:ASN:ND2	2.44	0.51
1:A:29:ARG:NH1	1:A:32:GLU:OE1	2.46	0.47
4:E:201:EDO:O1	3:F:132[B]:GLN:NE2	2.48	0.46
2:B:55:ASN:OD1	2:B:61:ASN:CG	2.55	0.45
2:E:72:LYS:HG3	2:E:99:ILE:CD1	2.47	0.45

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	Percentiles	
1	A	102/104 (98%)	96 (94%)	5 (5%)	1 (1%)	15	9
1	D	102/104 (98%)	97 (95%)	4 (4%)	1 (1%)	15	9
2	B	85/96 (88%)	84 (99%)	1 (1%)	0	100	100
2	E	83/96 (86%)	80 (96%)	3 (4%)	0	100	100
3	C	149/176 (85%)	146 (98%)	3 (2%)	0	100	100
3	F	148/176 (84%)	144 (97%)	4 (3%)	0	100	100
All	All	669/752 (89%)	647 (97%)	20 (3%)	2 (0%)	41	37

All (2) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	82	ASP
1	D	82	ASP

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	Outliers	Percentiles	
1	A	92/92 (100%)	91 (99%)	1 (1%)	73	78
1	D	92/92 (100%)	92 (100%)	0	100	100
2	B	81/85 (95%)	81 (100%)	0	100	100
2	E	79/85 (93%)	79 (100%)	0	100	100
3	C	141/161 (88%)	138 (98%)	3 (2%)	53	57
3	F	141/161 (88%)	140 (99%)	1 (1%)	84	88
All	All	626/676 (93%)	621 (99%)	5 (1%)	81	86

All (5) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	49	GLN
3	C	62	VAL
3	C	176	ARG

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
3	C	193	ASN
3	F	205	ARG

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 6 such sidechains are listed below:

Mol	Chain	Res	Type
2	E	35	HIS
2	E	85	ASN
3	F	73	GLN
3	C	145	GLN
2	B	61	ASN

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 11 ligands modelled in this entry, 2 are monoatomic - leaving 9 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	$\# Z > 2$
7	A1ARP	F	303	-	35,41,41	0.98	3 (8%)	43,61,61	1.54	10 (23%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
4	EDO	B	202	-	3,3,3	0.10	0	2,2,2	0.29	0
4	EDO	F	301	-	3,3,3	0.07	0	2,2,2	0.21	0
4	EDO	B	201	-	3,3,3	0.08	0	2,2,2	0.31	0
4	EDO	C	301	-	3,3,3	0.07	0	2,2,2	0.24	0
5	DMS	C	302	-	3,3,3	0.18	0	3,3,3	0.13	0
5	DMS	E	202	-	3,3,3	0.22	0	3,3,3	0.12	0
4	EDO	E	201	-	3,3,3	0.09	0	2,2,2	0.13	0
7	A1ARP	C	304	-	35,41,41	0.99	2 (5%)	43,61,61	1.48	9 (20%)

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
7	A1ARP	F	303	-	-	4/31/49/49	0/5/5/5
4	EDO	B	202	-	-	1/1/1/1	-
4	EDO	F	301	-	-	1/1/1/1	-
4	EDO	B	201	-	-	1/1/1/1	-
4	EDO	C	301	-	-	1/1/1/1	-
4	EDO	E	201	-	-	1/1/1/1	-
7	A1ARP	C	304	-	-	4/31/49/49	0/5/5/5

All (5) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
7	C	304	A1ARP	N31-N21	-3.22	1.28	1.34
7	F	303	A1ARP	N32-N31	-3.16	1.28	1.34
7	C	304	A1ARP	N32-N31	-3.08	1.28	1.34
7	F	303	A1ARP	N31-N21	-2.93	1.29	1.34
7	F	303	A1ARP	C6-C5	2.09	1.55	1.52

The worst 5 of 19 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
7	F	303	A1ARP	C35-C33-N32	4.46	126.81	120.23
7	C	304	A1ARP	C35-C33-N32	4.17	126.38	120.23
7	F	303	A1ARP	C36-C35-C33	-3.44	116.29	120.33
7	F	303	A1ARP	C4-C3-N2	3.07	107.16	103.10
7	C	304	A1ARP	C37-C35-C33	-2.88	116.95	120.33

There are no chirality outliers.

5 of 13 torsion outliers are listed below:

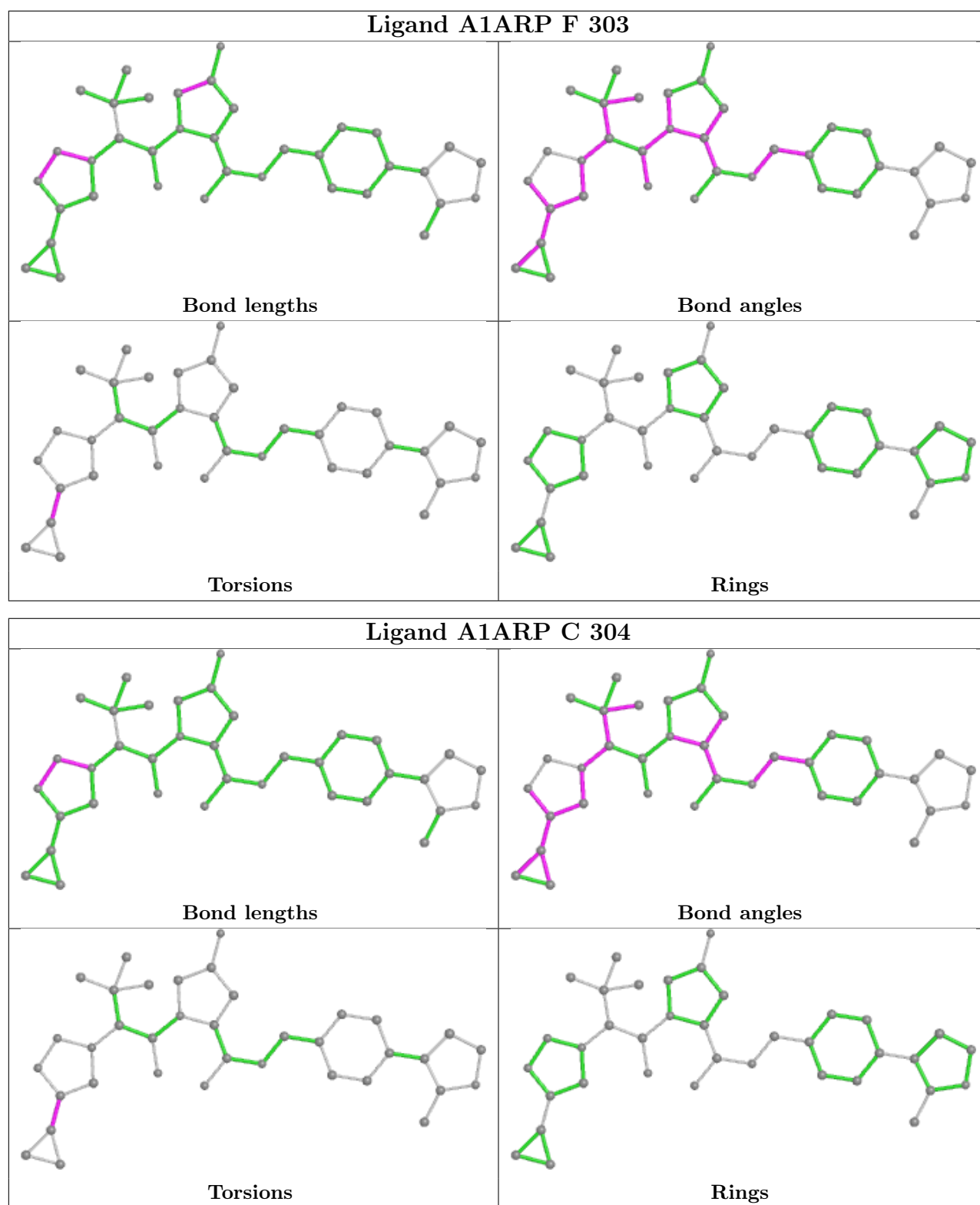
Mol	Chain	Res	Type	Atoms
7	C	304	A1ARP	N32-C33-C35-C36
7	C	304	A1ARP	N32-C33-C35-C37
7	C	304	A1ARP	C34-C33-C35-C36
7	C	304	A1ARP	C34-C33-C35-C37
7	F	303	A1ARP	N32-C33-C35-C36

There are no ring outliers.

1 monomer is involved in 1 short contact:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
4	E	201	EDO	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 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.



5.7 Other polymers [\(i\)](#)

There are no such residues in this entry.

5.8 Polymer linkage issues

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, 95th 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>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	A	104/104 (100%)	0.56	9 (8%) 10 9	36, 55, 72, 100	0
1	D	104/104 (100%)	0.11	1 (0%) 82 81	35, 48, 63, 72	0
2	B	89/96 (92%)	0.25	2 (2%) 62 60	28, 37, 63, 76	0
2	E	87/96 (90%)	0.17	5 (5%) 23 23	32, 41, 64, 78	0
3	C	149/176 (84%)	0.29	8 (5%) 25 24	27, 38, 71, 82	0
3	F	146/176 (82%)	0.23	5 (3%) 45 44	29, 41, 76, 96	0
All	All	679/752 (90%)	0.27	30 (4%) 34 33	27, 43, 70, 100	0

The worst 5 of 30 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
3	C	61	PRO	5.4
2	B	55	ASN	5.1
3	C	206	ILE	4.7
1	A	50	LEU	4.1
1	A	81	ALA	3.3

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](#)

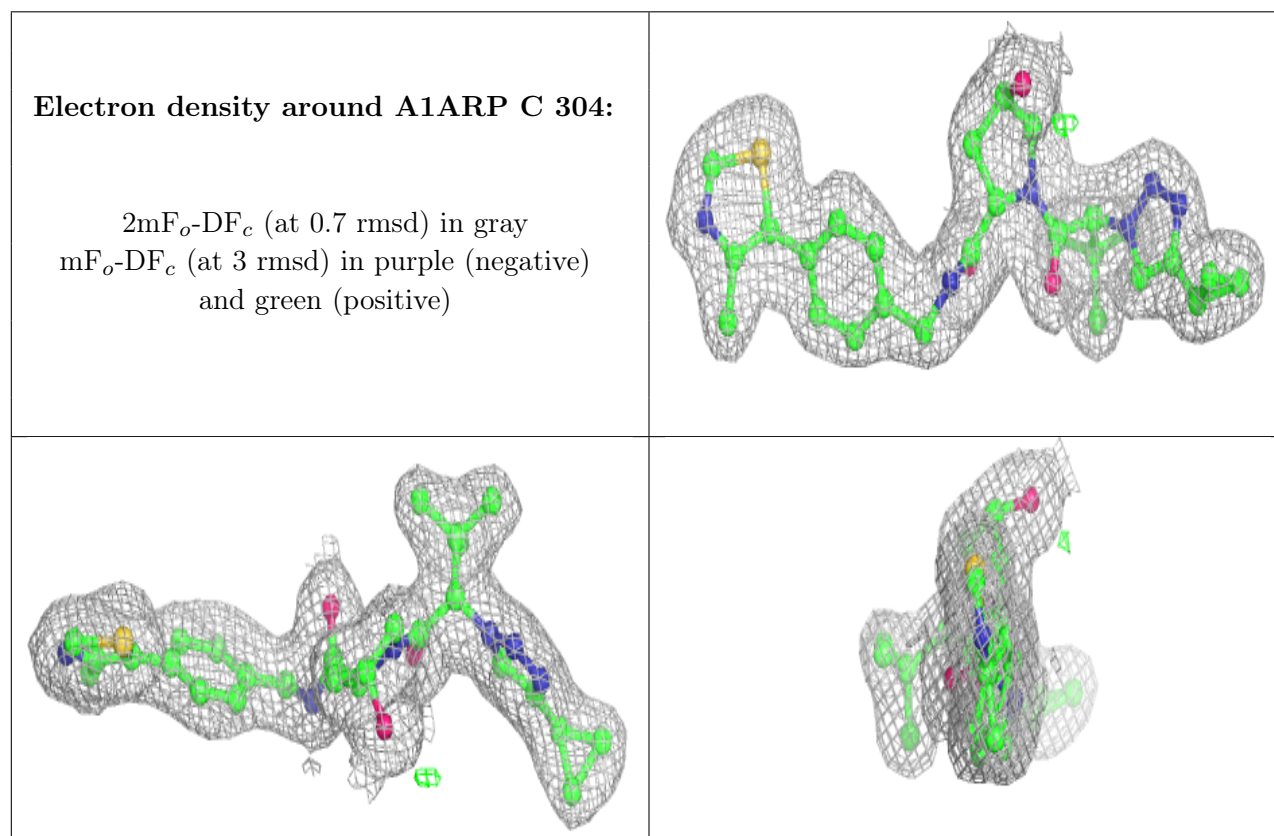
There are no monosaccharides in this entry.

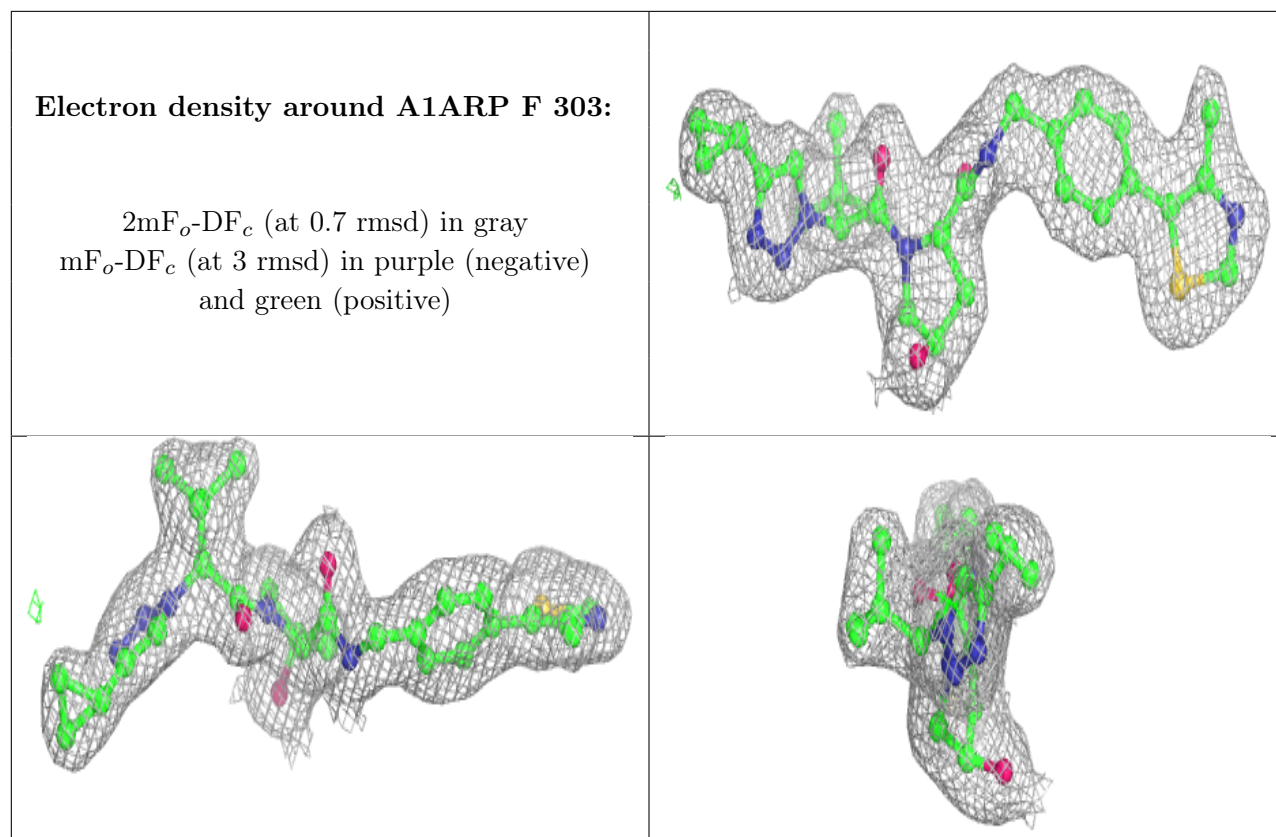
6.4 Ligands [i](#)

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, 95th 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	B-factors(Å ²)	Q<0.9
6	CL	C	303	1/1	0.82	0.08	78,78,78,78	0
5	DMS	C	302	4/4	0.83	0.22	79,81,82,82	0
4	EDO	F	301	4/4	0.86	0.18	54,55,56,58	0
4	EDO	B	202	4/4	0.88	0.12	57,57,57,57	0
4	EDO	E	201	4/4	0.89	0.12	64,65,66,67	0
5	DMS	E	202	4/4	0.89	0.18	80,81,81,82	0
4	EDO	C	301	4/4	0.89	0.10	64,66,66,67	0
4	EDO	B	201	4/4	0.93	0.28	50,50,51,52	0
7	A1ARP	C	304	37/37	0.96	0.10	29,31,33,34	0
7	A1ARP	F	303	37/37	0.97	0.11	31,34,38,38	0
6	CL	F	302	1/1	0.99	0.08	55,55,55,55	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.