



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 26, 2026 – 06:34 AM UTC

PDB ID : 9MGQ / pdb_00009mgq
Title : Crystal structure of PRMT5:MEP50 in complex with sinefungin and compound 47
Authors : Whittington, D.A.
Deposited on : 2024-12-11
Resolution : 1.85 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 ⓘ 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	:	FAILED
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	2.0
EDS	:	3.0
Buster-report	:	wwPDB partial adaption of 1.1.7 (2018)
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4	:	9.0.010 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.49

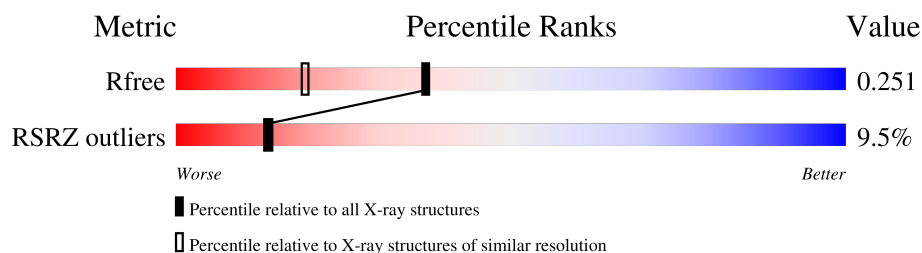
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 1.85 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)	Similar resolution (#Entries, resolution range(Å))
R_{free}	180053	3428 (1.86-1.86)
RSRZ outliers	180081	3429 (1.86-1.86)

MolProbity failed to run properly - the sequence quality summary graphics cannot be shown.

2 Entry composition

There are 8 unique types of molecules in this entry. The entry contains 8134 atoms, of which 193 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 Protein arginine N-methyltransferase 5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	624	Total	C	N	O	S	0	2	0
			5063	3240	866	932	25			

There are 9 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	-7	MET	-	initiating methionine	UNP O14744
A	-6	ASP	-	expression tag	UNP O14744
A	-5	TYR	-	expression tag	UNP O14744
A	-4	LYS	-	expression tag	UNP O14744
A	-3	ASP	-	expression tag	UNP O14744
A	-2	ASP	-	expression tag	UNP O14744
A	-1	ASP	-	expression tag	UNP O14744
A	0	ASP	-	expression tag	UNP O14744
A	1	LYS	-	expression tag	UNP O14744

- Molecule 2 is a protein called Methylosome protein 50.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	B	306	Total	C	N	O	S	0	1	0
			2318	1456	396	452	14			

There are 9 discrepancies between the modelled and reference sequences:

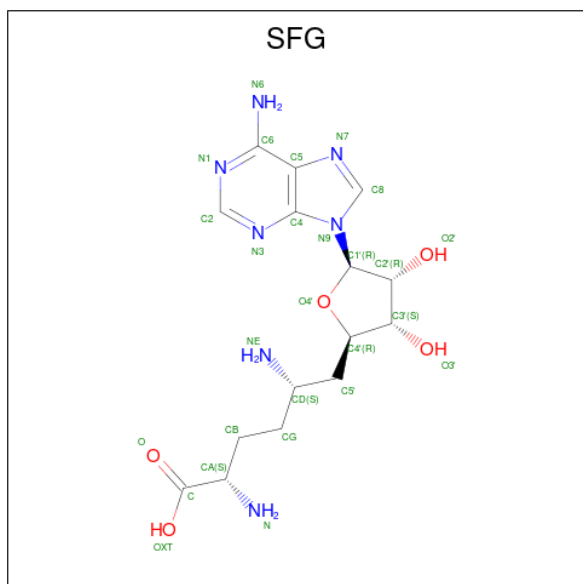
Chain	Residue	Modelled	Actual	Comment	Reference
B	-7	MET	-	initiating methionine	UNP Q9BQA1
B	-6	HIS	-	expression tag	UNP Q9BQA1
B	-5	HIS	-	expression tag	UNP Q9BQA1
B	-4	HIS	-	expression tag	UNP Q9BQA1
B	-3	HIS	-	expression tag	UNP Q9BQA1
B	-2	HIS	-	expression tag	UNP Q9BQA1
B	-1	HIS	-	expression tag	UNP Q9BQA1

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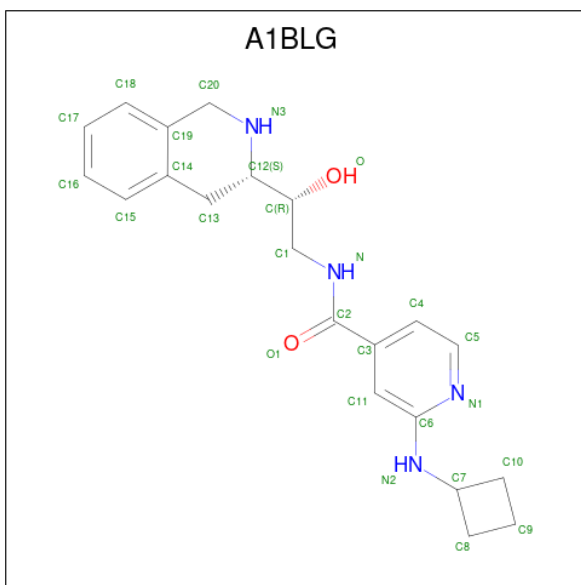
Chain	Residue	Modelled	Actual	Comment	Reference
B	0	HIS	-	expression tag	UNP Q9BQA1
B	1	HIS	-	expression tag	UNP Q9BQA1

- Molecule 3 is SINEFUNGIN (CCD ID: SFG) (formula: $C_{15}H_{23}N_7O_5$).



Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
3	A	1	Total	C	H	N	O	0	0
			50	15	23	7	5		

- Molecule 4 is 2-(cyclobutylamino)-N-[(2R)-2-hydroxy-2-[(3S)-1,2,3,4-tetrahydroisoquinolin-3-yl]ethyl]pyridine-4-carboxamide (CCD ID: A1BLG) (formula: $C_{21}H_{26}N_4O_2$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
4	A	1	Total	C	H	N	O	
			53	21	26	4	2	

- Molecule 5 is 1,2-ETHANEDIOL (CCD ID: EDO) (formula: C₂H₆O₂).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
5	A	1	Total	C	H	O		
			10	2	6	2		
5	A	1	Total	C	H	O		
			10	2	6	2		
5	A	1	Total	C	H	O		
			10	2	6	2		

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
5	A	1	Total	C	H	O	0	0
			10	2	6	2		
5	A	1	Total	C	H	O	0	0
			10	2	6	2		
5	A	1	Total	C	H	O	0	0
			10	2	6	2		
5	A	1	Total	C	H	O	0	0
			10	2	6	2		
5	A	1	Total	C	H	O	0	0
			10	2	6	2		
5	A	1	Total	C	H	O	0	0
			10	2	6	2		
5	A	1	Total	C	H	O	0	0
			10	2	6	2		
5	A	1	Total	C	H	O	0	0
			10	2	6	2		
5	A	1	Total	C	H	O	0	0
			10	2	6	2		
5	A	1	Total	C	H	O	0	0
			10	2	6	2		
5	A	1	Total	C	H	O	0	0
			10	2	6	2		
5	B	1	Total	C	H	O	0	0
			10	2	6	2		
5	B	1	Total	C	H	O	0	0
			10	2	6	2		

- Molecule 6 is SULFATE ION (CCD ID: SO4) (formula: O₄S).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
6	A	1	Total	O	S	0	0
			5	4	1		
6	A	1	Total	O	S	0	0
			5	4	1		
6	A	1	Total	O	S	0	0
			5	4	1		
6	A	1	Total	O	S	0	0
			5	4	1		
6	A	1	Total	O	S	0	0
			5	4	1		
6	A	1	Total	O	S	0	0
			5	4	1		
6	B	1	Total	O	S	0	0
			5	4	1		

- Molecule 7 is DI(HYDROXYETHYL)ETHER (CCD ID: PEG) (formula: C₄H₁₀O₃).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
7	A	1	Total	C	H	O	0	0
			17	4	10	3		
7	A	1	Total	C	H	O	0	0
			17	4	10	3		
7	A	1	Total	C	H	O	0	0
			17	4	10	3		

- Molecule 8 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
8	A	281	Total	O	0	0
			281	281		
8	B	88	Total	O	0	0
			88	88		

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3 Data and refinement statistics

Property	Value	Source
Space group	I 2 2 2	Depositor
Cell constants a, b, c, α , β , γ	101.66Å 137.70Å 178.00Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	37.00 – 1.85 37.00 – 1.85	Depositor EDS
% Data completeness (in resolution range)	70.3 (37.00-1.85) 70.4 (37.00-1.85)	Depositor EDS
R_{merge}	0.10	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.90 (at 1.85Å)	Xtriage
Refinement program	BUSTER 2.11.6	Depositor
R, R_{free}	0.199 , 0.242 0.210 , 0.251	Depositor DCC
R_{free} test set	3690 reflections (4.94%)	wwPDB-VP
Wilson B-factor (Å ²)	29.9	Xtriage
Anisotropy	0.041	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.32 , 31.0	EDS
L-test for twinning ²	$\langle L \rangle = 0.49$, $\langle L^2 \rangle = 0.32$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.95	EDS
Total number of atoms	8134	wwPDB-VP
Average B, all atoms (Å ²)	37.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 3.36% 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.

4 Model quality [i](#)

4.1 Standard geometry [i](#)

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4.2 Too-close contacts [i](#)

MolProbity failed to run properly - this section is therefore empty.

4.3 Torsion angles [i](#)

4.3.1 Protein backbone [i](#)

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4.3.2 Protein sidechains [i](#)

MolProbity failed to run properly - this section is therefore empty.

4.3.3 RNA [i](#)

MolProbity failed to run properly - this section is therefore empty.

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

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

4.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

4.6 Ligand geometry [i](#)

32 ligands are modelled in this entry.

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	$\# Z > 2$
6	SO4	A	723	-	4,4,4	0.26	0	6,6,6	0.07	0
7	PEG	A	728	-	6,6,6	0.19	0	5,5,5	0.29	0
7	PEG	A	727	-	6,6,6	0.25	0	5,5,5	0.18	0
6	SO4	A	726	-	4,4,4	0.24	0	6,6,6	0.10	0
5	EDO	A	709	-	3,3,3	0.41	0	2,2,2	0.40	0
5	EDO	A	714	-	3,3,3	0.50	0	2,2,2	0.43	0
5	EDO	A	703	-	3,3,3	0.44	0	2,2,2	0.33	0
5	EDO	A	710	-	3,3,3	0.66	0	2,2,2	0.16	0
5	EDO	A	712	-	3,3,3	0.41	0	2,2,2	0.47	0
6	SO4	A	720	-	4,4,4	0.20	0	6,6,6	0.17	0
5	EDO	A	717	-	3,3,3	0.51	0	2,2,2	0.34	0
5	EDO	A	706	-	3,3,3	0.62	0	2,2,2	0.38	0
5	EDO	A	718	-	3,3,3	0.35	0	2,2,2	0.47	0
5	EDO	A	719	-	3,3,3	0.57	0	2,2,2	0.33	0
6	SO4	A	722	-	4,4,4	0.24	0	6,6,6	0.06	0
5	EDO	A	716	-	3,3,3	0.50	0	2,2,2	0.38	0
5	EDO	A	704	-	3,3,3	0.67	0	2,2,2	0.05	0
5	EDO	A	707	-	3,3,3	0.67	0	2,2,2	0.10	0
5	EDO	A	708	-	3,3,3	0.56	0	2,2,2	0.20	0
5	EDO	B	402	-	3,3,3	0.48	0	2,2,2	0.27	0
5	EDO	A	713	-	3,3,3	0.50	0	2,2,2	0.15	0
6	SO4	A	725	-	4,4,4	0.24	0	6,6,6	0.11	0
5	EDO	B	401	-	3,3,3	0.57	0	2,2,2	0.25	0
6	SO4	B	403	-	4,4,4	0.24	0	6,6,6	0.11	0
5	EDO	A	715	-	3,3,3	0.42	0	2,2,2	0.44	0
4	A1BLG	A	702	-	30,30,30	0.20	0	33,41,41	0.54	1 (3%)
3	SFG	A	701	-	28,29,29	0.37	0	34,42,42	0.32	0
6	SO4	A	724	-	4,4,4	0.20	0	6,6,6	0.13	0
7	PEG	A	729	-	6,6,6	0.15	0	5,5,5	0.35	0
5	EDO	A	711	-	3,3,3	0.49	0	2,2,2	0.47	0
5	EDO	A	705	-	3,3,3	0.60	0	2,2,2	0.25	0
6	SO4	A	721	-	4,4,4	0.25	0	6,6,6	0.17	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
7	PEG	A	728	-	-	2/4/4/4	-
7	PEG	A	727	-	-	2/4/4/4	-
5	EDO	A	709	-	-	0/1/1/1	-
5	EDO	A	714	-	-	1/1/1/1	-
5	EDO	A	703	-	-	1/1/1/1	-
5	EDO	A	710	-	-	1/1/1/1	-
5	EDO	A	712	-	-	1/1/1/1	-
5	EDO	A	717	-	-	0/1/1/1	-
5	EDO	A	706	-	-	0/1/1/1	-
5	EDO	A	718	-	-	0/1/1/1	-
5	EDO	A	719	-	-	0/1/1/1	-
5	EDO	A	716	-	-	0/1/1/1	-
5	EDO	A	704	-	-	0/1/1/1	-
5	EDO	A	707	-	-	0/1/1/1	-
5	EDO	A	708	-	-	0/1/1/1	-
5	EDO	B	402	-	-	0/1/1/1	-
5	EDO	A	713	-	-	1/1/1/1	-
5	EDO	B	401	-	-	1/1/1/1	-
5	EDO	A	715	-	-	0/1/1/1	-
4	A1BLG	A	702	-	-	4/17/32/32	0/4/4/4
3	SFG	A	701	-	-	2/17/33/33	0/3/3/3
7	PEG	A	729	-	-	2/4/4/4	-
5	EDO	A	711	-	-	0/1/1/1	-
5	EDO	A	705	-	-	0/1/1/1	-

There are no bond length outliers.

All (1) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
4	A	702	A1BLG	C-C12-N3	-2.20	107.06	110.85

There are no chirality outliers.

All (18) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
3	A	701	SFG	NE-CD-CG-CB
3	A	701	SFG	C5'-CD-CG-CB
7	A	727	PEG	O1-C1-C2-O2
7	A	728	PEG	O2-C3-C4-O4
7	A	729	PEG	O1-C1-C2-O2
5	A	703	EDO	O1-C1-C2-O2

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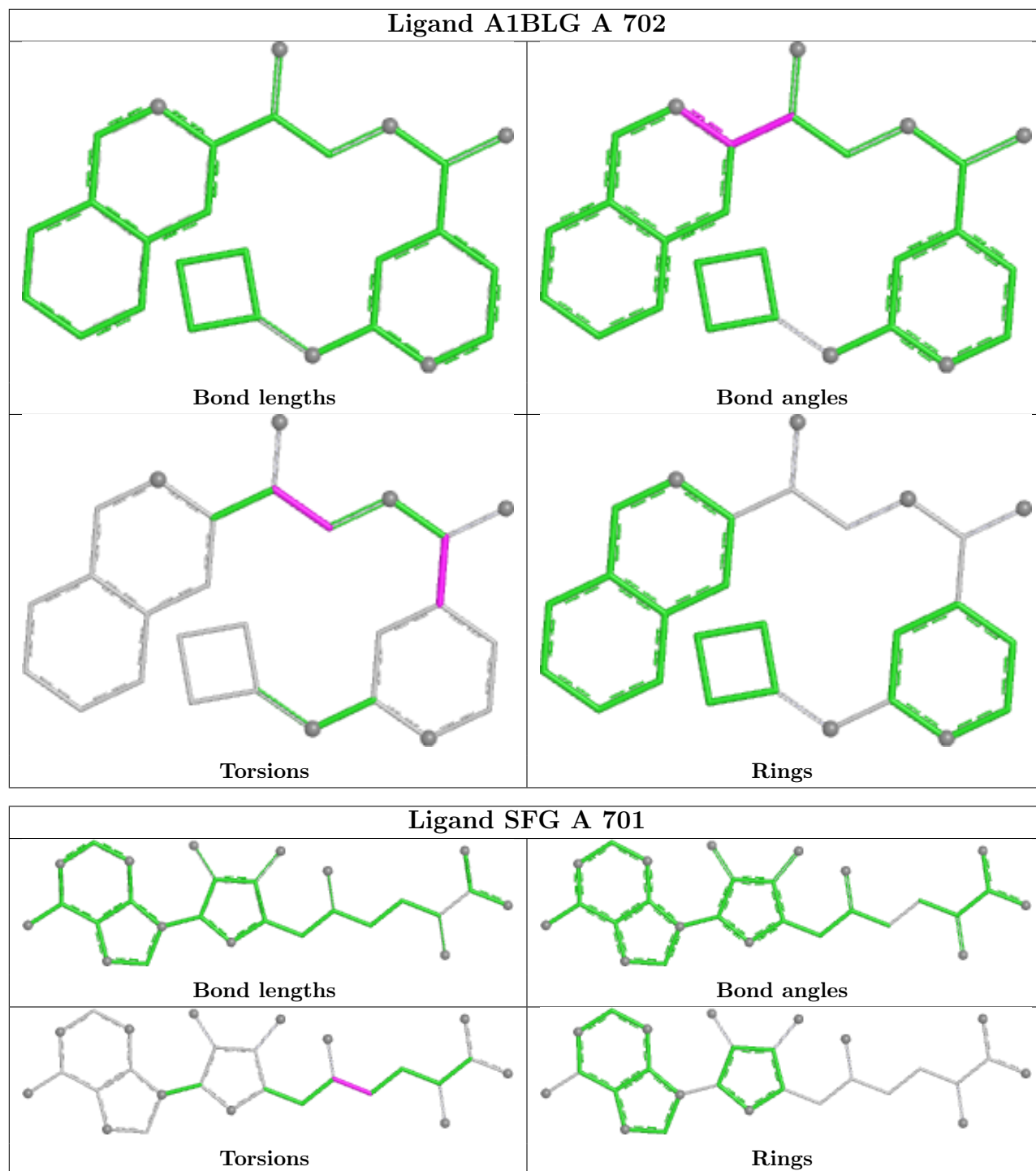
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Mol	Chain	Res	Type	Atoms
5	B	401	EDO	O1-C1-C2-O2
7	A	728	PEG	C4-C3-O2-C2
4	A	702	A1BLG	O1-C2-C3-C11
4	A	702	A1BLG	N-C2-C3-C11
5	A	713	EDO	O1-C1-C2-O2
4	A	702	A1BLG	C12-C-C1-N
5	A	710	EDO	O1-C1-C2-O2
5	A	714	EDO	O1-C1-C2-O2
7	A	727	PEG	C4-C3-O2-C2
4	A	702	A1BLG	O-C-C1-N
7	A	729	PEG	C4-C3-O2-C2
5	A	712	EDO	O1-C1-C2-O2

There are no ring outliers.

No monomer is involved in short contacts.

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.



4.7 Other polymers [i](#)

There are no such residues in this entry.

4.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

5 Fit of model and data

5.1 Protein, DNA and RNA chains

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	624/645 (96%)	0.43	42 (6%) 24 26	11, 30, 59, 86	2 (0%)
2	B	306/350 (87%)	1.12	46 (15%) 5 5	23, 39, 70, 95	1 (0%)
All	All	930/995 (93%)	0.66	88 (9%) 14 14	11, 33, 64, 95	3 (0%)

All (88) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
2	B	206	ILE	8.5
2	B	248	VAL	6.0
2	B	21	PRO	5.9
2	B	247	CYS	5.1
2	B	211	PRO	4.9
2	B	246	SER	4.8
2	B	20	PRO	4.6
2	B	210	ALA	4.3
1	A	174	THR	4.2
1	A	243	PHE	3.9
1	A	176	THR	3.8
2	B	23	ALA	3.8
1	A	146	HIS	3.7
2	B	249	LEU	3.6
2	B	245	THR	3.5
2	B	72	PHE	3.4
2	B	108	LEU	3.2
1	A	529	MET	3.2
1	A	175	HIS	3.2
1	A	275	LYS	3.1
2	B	328	PRO	3.0
1	A	284	LEU	3.0
1	A	281	LEU	2.9
2	B	25	ALA	2.9

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Mol	Chain	Res	Type	RSRZ
1	A	249	MET	2.9
2	B	22	ASN	2.9
2	B	225	SER	2.9
2	B	24	PRO	2.8
1	A	277	PHE	2.8
1	A	349	VAL	2.8
1	A	148	SER	2.7
1	A	290	ASN	2.7
1	A	361	LEU	2.7
1	A	292	PRO	2.7
2	B	111	ASN	2.7
2	B	62	LYS	2.7
2	B	89	VAL	2.7
2	B	148	CYS	2.6
2	B	244	SER	2.6
2	B	118	LYS	2.6
2	B	26	CYS	2.5
2	B	243	LYS	2.5
1	A	530	ILE	2.5
1	A	273	SER	2.5
2	B	242	THR	2.5
1	A	240	LYS	2.5
1	A	637	LEU	2.4
2	B	41	ALA	2.4
2	B	327	VAL	2.4
1	A	357	ASN	2.4
2	B	212	GLY	2.4
2	B	308	LEU	2.4
1	A	14	VAL	2.4
2	B	268	VAL	2.4
2	B	155	ALA	2.4
2	B	267	SER	2.4
2	B	313	LEU	2.3
1	A	356	THR	2.3
1	A	404	TRP	2.3
2	B	290	LEU	2.3
1	A	316	MET	2.3
1	A	528	PRO	2.3
1	A	241	LYS	2.3
1	A	285	GLU	2.3
1	A	147	HIS	2.2
1	A	274	GLU	2.2

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Mol	Chain	Res	Type	RSRZ
1	A	411	SER	2.2
1	A	296	ALA	2.2
2	B	61	PHE	2.2
1	A	259	LYS	2.2
2	B	312	LEU	2.2
1	A	406	PHE	2.1
1	A	527	ASP	2.1
2	B	109	ASP	2.1
1	A	145	GLY	2.1
1	A	278	CYS	2.1
2	B	257	CYS	2.1
1	A	293	PRO	2.1
1	A	350	PRO	2.1
2	B	43	LEU	2.1
1	A	272	HIS	2.1
2	B	154	LEU	2.1
2	B	223	GLN	2.1
2	B	42	LEU	2.1
1	A	242	GLY	2.0
2	B	200	PRO	2.0
2	B	65	CYS	2.0
1	A	178	GLU	2.0

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

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

5.3 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.4 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	SO4	A	726	5/5	0.48	0.18	123,123,123,123	0

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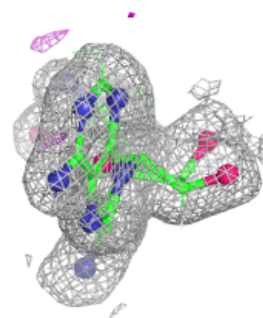
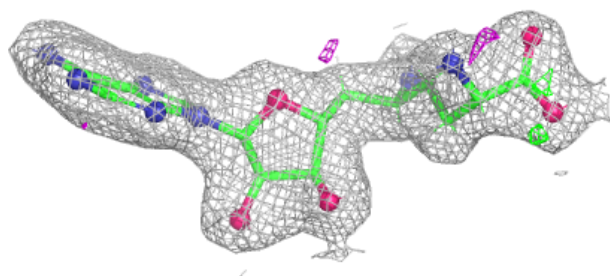
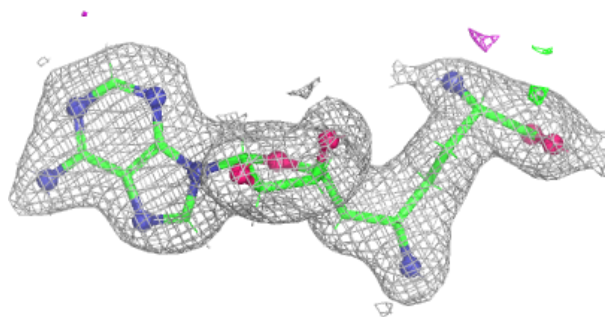
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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
7	PEG	A	728	7/7	0.58	0.28	73,75,80,80	0
5	EDO	A	715	4/4	0.63	0.26	81,82,83,83	0
7	PEG	A	729	7/7	0.67	0.26	66,67,68,68	0
6	SO4	A	725	5/5	0.68	0.26	139,139,139,139	0
5	EDO	A	708	4/4	0.69	0.28	58,60,66,66	0
6	SO4	B	403	5/5	0.70	0.20	105,106,106,107	0
5	EDO	A	719	4/4	0.71	0.27	83,84,85,85	0
6	SO4	A	722	5/5	0.72	0.22	151,151,151,151	0
5	EDO	A	717	4/4	0.73	0.17	74,74,75,75	0
6	SO4	A	724	5/5	0.74	0.20	129,129,129,129	0
5	EDO	A	716	4/4	0.74	0.19	74,75,75,75	0
5	EDO	A	707	4/4	0.74	0.17	43,44,45,45	0
5	EDO	A	712	4/4	0.76	0.33	30,38,43,43	0
5	EDO	A	703	4/4	0.77	0.30	40,43,46,46	0
6	SO4	A	720	5/5	0.78	0.21	79,79,79,79	0
5	EDO	A	710	4/4	0.80	0.38	39,41,46,46	0
6	SO4	A	723	5/5	0.82	0.19	114,115,115,115	0
5	EDO	B	401	4/4	0.83	0.22	33,37,38,38	0
5	EDO	B	402	4/4	0.84	0.28	48,49,50,50	0
7	PEG	A	727	7/7	0.84	0.13	36,45,51,51	0
5	EDO	A	705	4/4	0.85	0.26	39,43,43,43	0
5	EDO	A	709	4/4	0.86	0.27	43,45,47,48	0
5	EDO	A	714	4/4	0.86	0.12	55,55,56,56	0
5	EDO	A	713	4/4	0.87	0.14	53,54,55,55	0
5	EDO	A	706	4/4	0.87	0.28	30,35,36,37	0
6	SO4	A	721	5/5	0.90	0.15	82,84,84,86	0
5	EDO	A	704	4/4	0.91	0.23	34,35,37,37	0
5	EDO	A	718	4/4	0.91	0.13	37,39,40,40	0
5	EDO	A	711	4/4	0.94	0.11	31,32,32,32	0
3	SFG	A	701	27/27	0.95	0.07	15,23,32,34	0
4	A1BLG	A	702	27/27	0.97	0.05	19,23,25,26	0

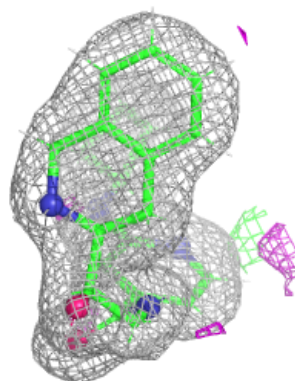
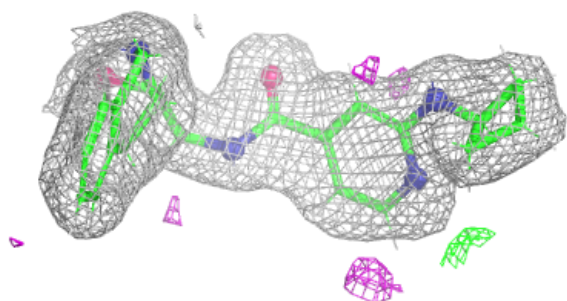
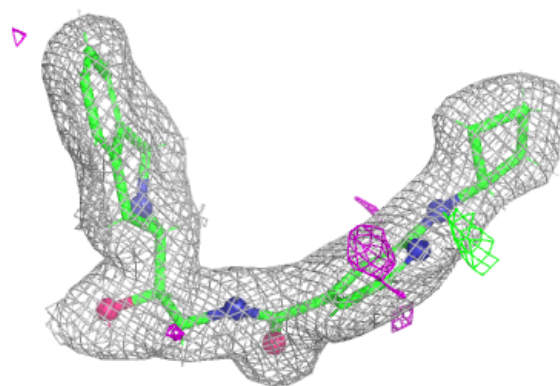
The following is a graphical depiction of the model fit to experimental electron density of all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the geometry validation Tables will also be included. Each fit is shown from different orientation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

Electron density around SFG A 701:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)

**Electron density around A1BLG A 702:**

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



5.5 Other polymers [i](#)

There are no such residues in this entry.