



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 9, 2026 – 10:24 AM UTC

PDB ID : 9EYU / pdb_00009eyu
Title : Human PRMT5 in complex with AZ compound 1
Authors : Debreczeni, J.
Deposited on : 2024-04-09
Resolution : 2.35 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 : 4-5-2 with Phenix2.0
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

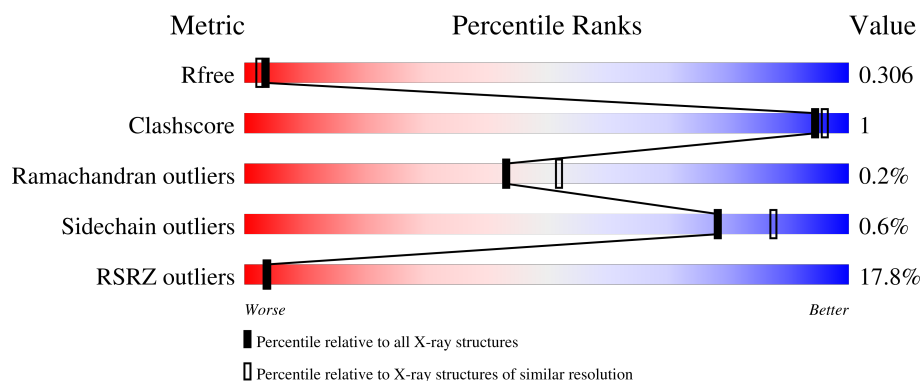
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.35 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	1596 (2.36-2.36)
Clashscore	190562	1663 (2.36-2.36)
Ramachandran outliers	187476	1646 (2.36-2.36)
Sidechain outliers	187428	1646 (2.36-2.36)
RSRZ outliers	180081	1598 (2.36-2.36)

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 $\leq 5\%$. 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	637	13% 95% ..
2	B	342	25% 87% . 11%

2 Entry composition [i](#)

There are 6 unique types of molecules in this entry. The entry contains 7356 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.

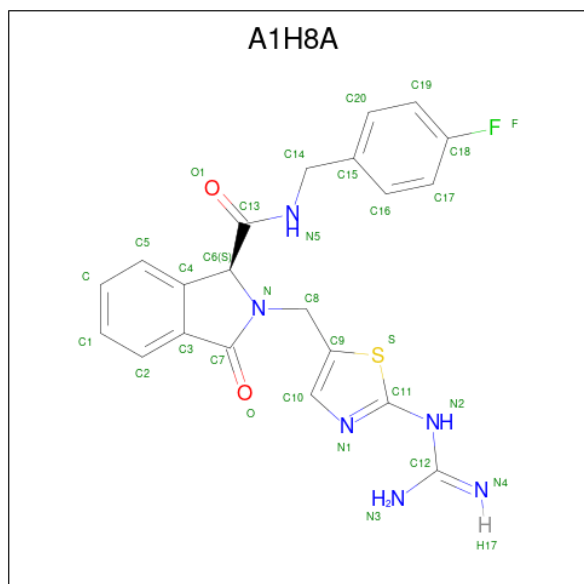
- Molecule 1 is a protein called Protein arginine N-methyltransferase 5, N-terminally processed.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	625	Total	C	N	O	S	0	1	0
			4978	3180	849	926	23			

- Molecule 2 is a protein called Methylosome protein WDR77.

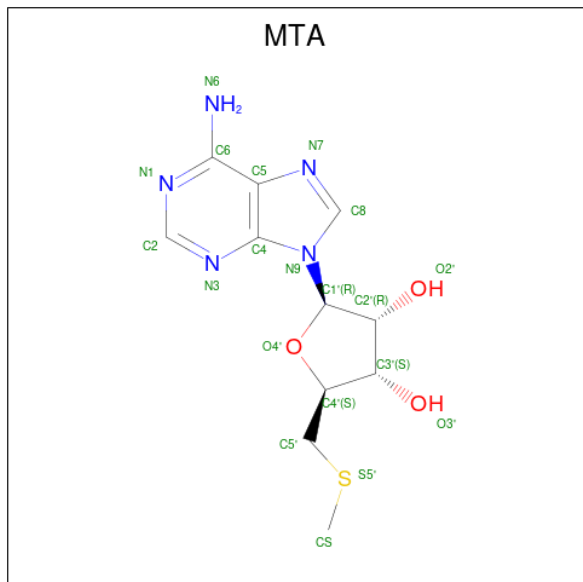
Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	B	303	Total	C	N	O	S	0	0	0
			2269	1427	387	443	12			

- Molecule 3 is (1 {S})-2-[(2-carbamimidamido-1,3-thiazol-5-yl)methyl]- {N}-[(4-fluorophenyl)methyl]-3-oxidanylidene-1 {H}-isoindole-1-carboxamide (CCD ID: A1H8A) (formula: C₂₁H₁₉FN₆O₂S) (labeled as "Ligand of Interest" by depositor).



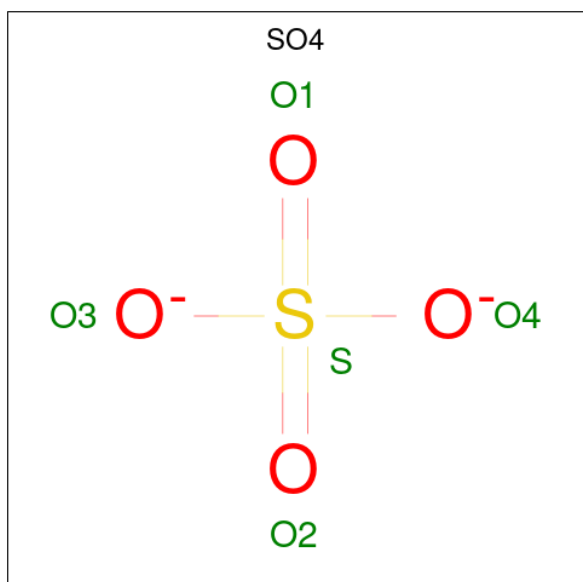
Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
3	A	1	Total	C	F	N	O	0	0
			31	21	1	6	2		

- Molecule 4 is 5'-DEOXY-5'-METHYLTHIOADENOSINE (CCD ID: MTA) (formula: $C_{11}H_{15}N_5O_3S$).



Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
4	A	1	Total	C	N	O	S	0	0
			20	11	5	3	1		

- Molecule 5 is SULFATE ION (CCD ID: SO4) (formula: O_4S).



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

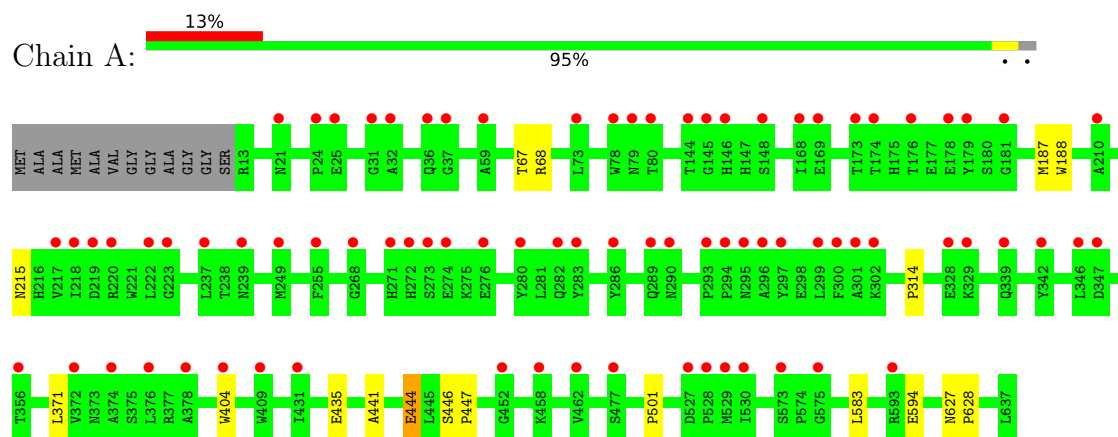
- Molecule 6 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
6	A	39	Total 39	O 39	0	0
6	B	14	Total 14	O 14	0	0

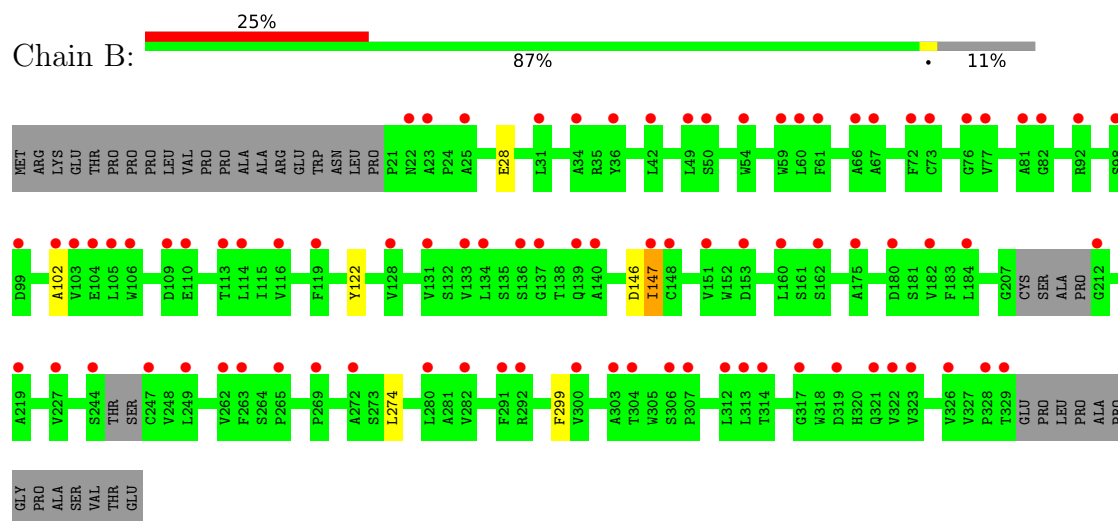
3 Residue-property plots [i](#)

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: Protein arginine N-methyltransferase 5, N-terminally processed



- Molecule 2: Methylosome protein WDR77



4 Data and refinement statistics

Property	Value	Source
Space group	I 2 2 2	Depositor
Cell constants a, b, c, α , β , γ	101.06Å 139.00Å 178.41Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	10.00 – 2.35 10.00 – 2.35	Depositor EDS
% Data completeness (in resolution range)	49.8 (10.00-2.35) 49.8 (10.00-2.35)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.75 (at 2.36Å)	Xtriage
Refinement program	REFMAC 5.8.0419	Depositor
R, R_{free}	0.275 , 0.305 0.276 , 0.306	Depositor DCC
R_{free} test set	1272 reflections (2.45%)	wwPDB-VP
Wilson B-factor (Å ²)	48.8	Xtriage
Anisotropy	0.098	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.34 , 34.1	EDS
L-test for twinning ²	$\langle L \rangle = 0.48$, $\langle L^2 \rangle = 0.31$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.87	EDS
Total number of atoms	7356	wwPDB-VP
Average B, all atoms (Å ²)	60.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 3.75% 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

5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: MTA, A1H8A, SO4

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	0.45	0/5116	0.80	0/6977
2	B	0.48	0/2322	0.75	0/3173
All	All	0.46	0/7438	0.78	0/10150

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

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	4978	0	4781	12	0
2	B	2269	0	2157	4	0
3	A	31	0	0	3	0
4	A	20	0	15	1	0
5	A	5	0	0	0	0
6	A	39	0	0	0	0
6	B	14	0	0	1	0
All	All	7356	0	6953	18	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.

All (18) 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)
1:A:187[B]:MET:HE2	1:A:187[B]:MET:C	2.20	0.67
1:A:187[B]:MET:HE2	1:A:187[B]:MET:O	2.01	0.61
3:A:701:A1H8A:N3	3:A:701:A1H8A:S	2.79	0.56
1:A:314:PRO:HD2	1:A:444:GLU:HG2	1.89	0.55
1:A:371:LEU:HD11	1:A:435:GLU:HB2	1.92	0.51
3:A:701:A1H8A:N4	4:A:702:MTA:S5'	2.85	0.49
2:B:102:ALA:HB2	2:B:122:TYR:CD1	2.49	0.47
1:A:446:SER:N	1:A:447:PRO:CD	2.77	0.47
2:B:299:PHE:HA	6:B:401:HOH:O	2.15	0.46
2:B:146:ASP:O	2:B:147:ILE:HB	2.16	0.45
1:A:627:ASN:N	1:A:628:PRO:CD	2.80	0.45
1:A:444:GLU:OE1	3:A:701:A1H8A:N1	2.52	0.43
1:A:501:PRO:HA	1:A:583:LEU:O	2.19	0.43
2:B:28:GLU:OE1	2:B:28:GLU:N	2.53	0.42
1:A:187[B]:MET:O	1:A:187[B]:MET:CE	2.68	0.41
1:A:67:THR:OG1	1:A:68:ARG:N	2.49	0.41
1:A:314:PRO:HD2	1:A:444:GLU:CG	2.50	0.40
1:A:187[B]:MET:HE2	1:A:188:TRP:HA	2.04	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 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	624/637 (98%)	592 (95%)	31 (5%)	1 (0%)	43	52
2	B	297/342 (87%)	272 (92%)	24 (8%)	1 (0%)	36	43
All	All	921/979 (94%)	864 (94%)	55 (6%)	2 (0%)	43	52

All (2) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
2	B	147	ILE
1	A	441	ALA

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	537/562 (96%)	533 (99%)	4 (1%)	76	86
2	B	248/290 (86%)	247 (100%)	1 (0%)	84	91
All	All	785/852 (92%)	780 (99%)	5 (1%)	78	87

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

Mol	Chain	Res	Type
1	A	215	ASN
1	A	404	TRP
1	A	444	GLU
1	A	594	GLU
2	B	274	LEU

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (8) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	140	ASN
1	A	263	GLN
1	A	338	GLN
1	A	381	GLN
1	A	532	ASN
2	B	78	GLN
2	B	221	HIS
2	B	224	GLN

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 oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

3 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	$\# Z > 2$
3	A1H8A	A	701	-	34,34,34	0.39	1 (2%)	44,48,48	0.47	1 (2%)
4	MTA	A	702	-	22,22,22	0.23	0	32,32,32	0.35	0
5	SO4	A	703	-	4,4,4	0.34	0	6,6,6	0.09	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	A1H8A	A	701	-	-	2/17/33/33	0/4/4/4
4	MTA	A	702	-	-	0/7/23/23	0/3/3/3

All (1) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	A	701	A1H8A	C12-N4	2.01	1.39	1.32

All (1) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
3	A	701	A1H8A	N3-C12-N4	2.42	126.97	120.07

There are no chirality outliers.

All (2) torsion outliers are listed below:

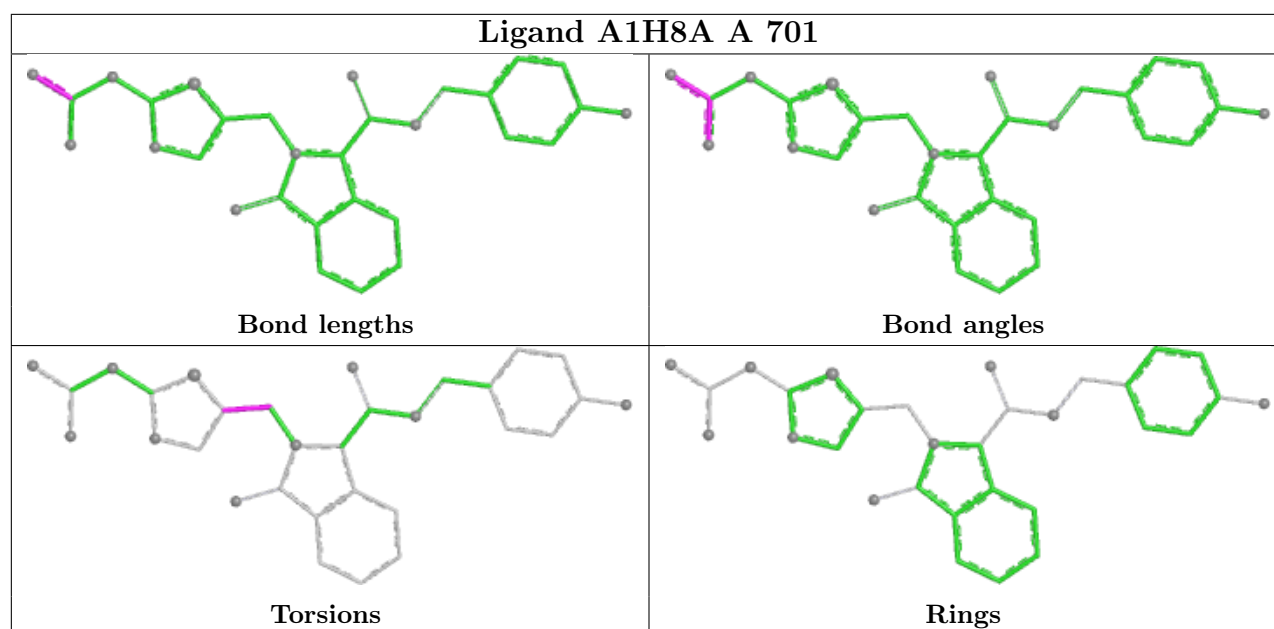
Mol	Chain	Res	Type	Atoms
3	A	701	A1H8A	N-C8-C9-S
3	A	701	A1H8A	N-C8-C9-C10

There are no ring outliers.

2 monomers are involved in 3 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
3	A	701	A1H8A	3	0
4	A	702	MTA	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 [i](#)

There are no chain breaks in this entry.

6 Fit of model and data

6.1 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	625/637 (98%)	0.88	81 (12%) 7 8	19, 50, 95, 132	1 (0%)
2	B	303/342 (88%)	1.56	84 (27%) 1 1	48, 75, 100, 116	0
All	All	928/979 (94%)	1.10	165 (17%) 4 4	19, 60, 98, 132	1 (0%)

All (165) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	A	296	ALA	8.9
2	B	247	CYS	7.3
1	A	530	ILE	6.5
1	A	293	PRO	5.0
2	B	227	VAL	4.6
1	A	294	PRO	4.6
2	B	175	ALA	4.5
1	A	300	PHE	4.3
2	B	61	PHE	4.2
2	B	66	ALA	4.1
2	B	326	VAL	4.0
1	A	148	SER	4.0
1	A	222	LEU	4.0
2	B	59	TRP	3.9
1	A	452	GLY	3.8
1	A	295	ASN	3.8
1	A	301	ALA	3.8
2	B	249	LEU	3.8
1	A	593	ARG	3.7
2	B	106	TRP	3.6
1	A	146	HIS	3.6
2	B	98	SER	3.5
1	A	356	THR	3.5
2	B	34	ALA	3.5

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Mol	Chain	Res	Type	RSRZ
2	B	113	THR	3.5
2	B	102	ALA	3.4
1	A	36	GLN	3.4
2	B	109	ASP	3.4
1	A	374	ALA	3.4
1	A	217	VAL	3.3
1	A	174	THR	3.3
2	B	314	THR	3.3
1	A	255	PHE	3.3
1	A	25	GLU	3.2
2	B	151	VAL	3.2
1	A	178	GLU	3.2
2	B	147	ILE	3.2
2	B	105	LEU	3.2
2	B	137	GLY	3.1
2	B	153	ASP	3.1
1	A	376	LEU	3.1
1	A	378	ALA	3.1
2	B	116	VAL	3.0
2	B	136	SER	3.0
2	B	128	VAL	3.0
1	A	529	MET	3.0
2	B	139	GLN	2.9
1	A	32	ALA	2.9
1	A	286	TYR	2.9
2	B	76	GLY	2.9
2	B	317	GLY	2.9
2	B	50	SER	2.8
2	B	262	VAL	2.8
2	B	304	THR	2.7
2	B	212	GLY	2.7
1	A	169	GLU	2.7
1	A	59	ALA	2.7
2	B	244	SER	2.7
2	B	134	LEU	2.7
2	B	72	PHE	2.6
2	B	329	THR	2.6
1	A	575	GLY	2.6
1	A	282	GLN	2.6
1	A	31	GLY	2.6
1	A	145	GLY	2.6
2	B	160	LEU	2.6

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Mol	Chain	Res	Type	RSRZ
2	B	148	CYS	2.6
2	B	303	ALA	2.6
2	B	36	TYR	2.6
2	B	322	VAL	2.6
2	B	323	VAL	2.6
1	A	271	HIS	2.6
1	A	302	LYS	2.6
1	A	409	TRP	2.5
1	A	144	THR	2.5
2	B	82	GLY	2.5
2	B	328	PRO	2.5
1	A	219	ASP	2.5
1	A	176	THR	2.5
2	B	282	VAL	2.5
2	B	321	GLN	2.5
1	A	297	TYR	2.5
1	A	346	LEU	2.5
2	B	42	LEU	2.5
1	A	272	HIS	2.5
2	B	73	CYS	2.5
1	A	276	GLU	2.5
2	B	77	VAL	2.5
1	A	280	TYR	2.5
2	B	272	ALA	2.5
1	A	268	GLY	2.5
2	B	103	VAL	2.4
1	A	78	TRP	2.4
2	B	319	ASP	2.4
1	A	527	ASP	2.4
1	A	218	ILE	2.4
2	B	300	VAL	2.4
1	A	274	GLU	2.4
1	A	80	THR	2.4
1	A	462	VAL	2.4
2	B	131	VAL	2.4
2	B	280	LEU	2.4
2	B	313	LEU	2.4
1	A	404	TRP	2.4
1	A	24	PRO	2.3
1	A	372	VAL	2.3
1	A	431	ILE	2.3
2	B	31	LEU	2.3

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Mol	Chain	Res	Type	RSRZ
2	B	110	GLU	2.3
2	B	291	PHE	2.3
1	A	347	ASP	2.3
2	B	219	ALA	2.3
2	B	312	LEU	2.3
1	A	21	ASN	2.3
1	A	283	TYR	2.3
2	B	292	ARG	2.3
1	A	477	SER	2.3
1	A	328	GLU	2.3
1	A	299	LEU	2.2
1	A	290	ASN	2.2
2	B	265	PRO	2.2
2	B	269	PRO	2.2
1	A	181	GLY	2.2
1	A	249	MET	2.2
2	B	23	ALA	2.2
2	B	49	LEU	2.2
1	A	239	ASN	2.2
2	B	92	ARG	2.2
1	A	339	GLN	2.2
1	A	458	LYS	2.2
1	A	168	ILE	2.2
1	A	79	ASN	2.2
2	B	119	PHE	2.2
2	B	263	PHE	2.2
2	B	162	SER	2.2
2	B	306	SER	2.2
2	B	99	ASP	2.1
1	A	528	PRO	2.1
2	B	307	PRO	2.1
1	A	37	GLY	2.1
1	A	273	SER	2.1
2	B	67	ALA	2.1
2	B	140	ALA	2.1
2	B	180	ASP	2.1
2	B	182	VAL	2.1
2	B	25	ALA	2.1
1	A	73	LEU	2.1
2	B	60	LEU	2.1
2	B	133	VAL	2.1
2	B	54	TRP	2.1

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Mol	Chain	Res	Type	RSRZ
1	A	223	GLY	2.1
1	A	573	SER	2.1
1	A	237	LEU	2.1
1	A	289	GLN	2.1
1	A	179	TYR	2.1
1	A	220	ARG	2.1
1	A	210	ALA	2.0
2	B	81	ALA	2.0
2	B	22	ASN	2.0
2	B	114	LEU	2.0
1	A	342	TYR	2.0
1	A	173	THR	2.0
2	B	104	GLU	2.0
2	B	184	LEU	2.0
1	A	329	LYS	2.0

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 oligosaccharides in this entry.

6.4 Ligands [i](#)

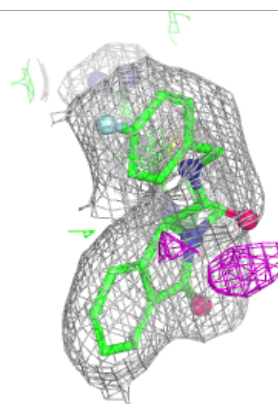
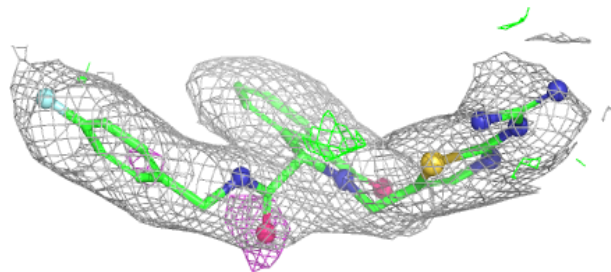
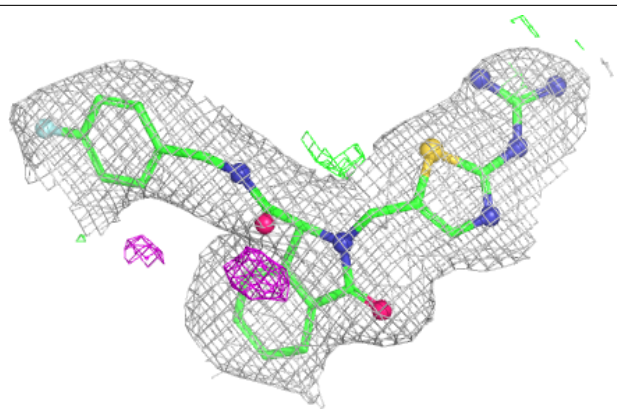
In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
3	A1H8A	A	701	31/31	0.89	0.09	42,45,55,56	0
5	SO4	A	703	5/5	0.90	0.09	82,83,83,84	0
4	MTA	A	702	20/20	0.91	0.10	29,30,33,33	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 A1H8A 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)



6.5 Other polymers [i](#)

There are no such residues in this entry.