



Full wwPDB X-ray Structure Validation Report ⓘ

Sep 1, 2026 – 10:29 am BST

PDB ID : 29UR / pdb_000029ur
Title : KAT6A SURFACE MUTANT IN COMPLEX WITH INHIBITOR WM-8014
Authors : Hillig, R.C.; Puetter, V.
Deposited on : 2026-04-09
Resolution : 2.78 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 : 1.8.4, CSD as541be (2020)
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 : 9.0.015 (Gargrove)
Density-Fitness : 1.0.12
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.50

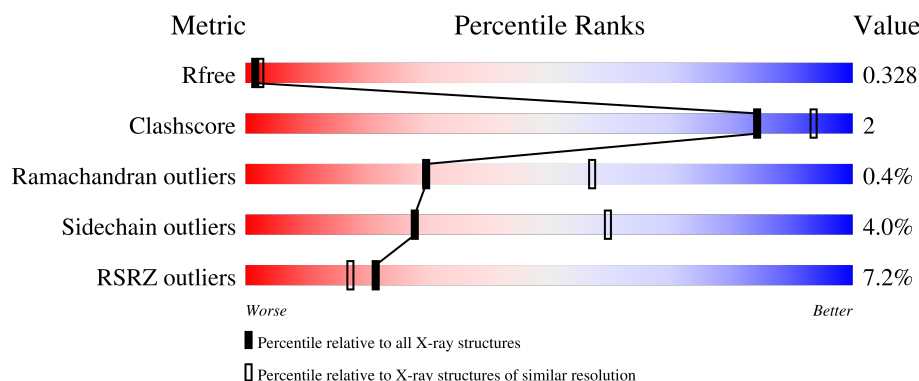
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

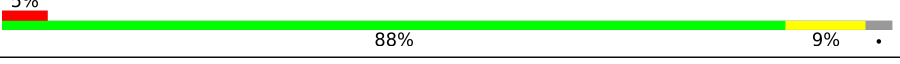
The reported resolution of this entry is 2.78 Å.

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	5248 (2.80-2.76)
Clashscore	190562	5693 (2.80-2.76)
Ramachandran outliers	187476	5590 (2.80-2.76)
Sidechain outliers	187428	5592 (2.80-2.76)
RSRZ outliers	180081	5251 (2.80-2.76)

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	AAA	272	 9% 86% 10% .
1	BBB	272	 5% 88% 9% .

2 Entry composition

There are 5 unique types of molecules in this entry. The entry contains 4575 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 acetyltransferase KAT6A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	AAA	264	Total	C	N	O	S	0	2	0
			2222	1444	373	392	13			
1	BBB	265	Total	C	N	O	S	0	2	0
			2227	1444	377	393	13			

There are 12 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
AAA	507	GLY	-	expression tag	UNP Q92794
AAA	508	SER	-	expression tag	UNP Q92794
AAA	638	SER	CYS	engineered mutation	UNP Q92794
AAA	646	SER	CYS	engineered mutation	UNP Q92794
AAA	723	SER	CYS	engineered mutation	UNP Q92794
AAA	773	SER	CYS	engineered mutation	UNP Q92794
BBB	507	GLY	-	expression tag	UNP Q92794
BBB	508	SER	-	expression tag	UNP Q92794
BBB	638	SER	CYS	engineered mutation	UNP Q92794
BBB	646	SER	CYS	engineered mutation	UNP Q92794
BBB	723	SER	CYS	engineered mutation	UNP Q92794
BBB	773	SER	CYS	engineered mutation	UNP Q92794

- Molecule 2 is ZINC ION (CCD ID: ZN) (formula: Zn).

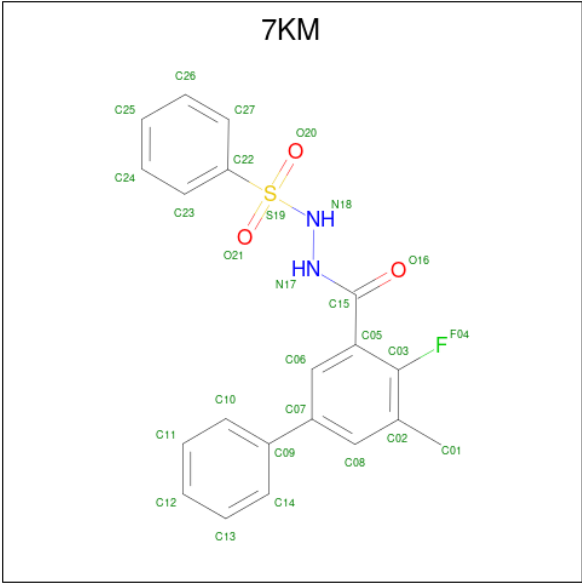
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
2	AAA	1	Total	Zn	0	0
			1	1		
2	BBB	1	Total	Zn	0	0
			1	1		

- Molecule 3 is ACETYL COENZYME *A (CCD ID: ACO) (formula: C₂₃H₃₈N₇O₁₇P₃S).



Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	
3	AAA	1	Total	C	N	O	P	S	0	0
			51	23	7	17	3	1		

- Molecule 4 is 4-fluoro-5-methyl-N’-(phenylsulfonyl)[1,1’-biphenyl]-3-carbohydrazide (CCD ID: 7KM) (formula: C₂₀H₁₇FN₂O₃S) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms						ZeroOcc	AltConf
4	BBB	1	Total	C	F	N	O	S	0	0
			27	20	1	2	3	1		

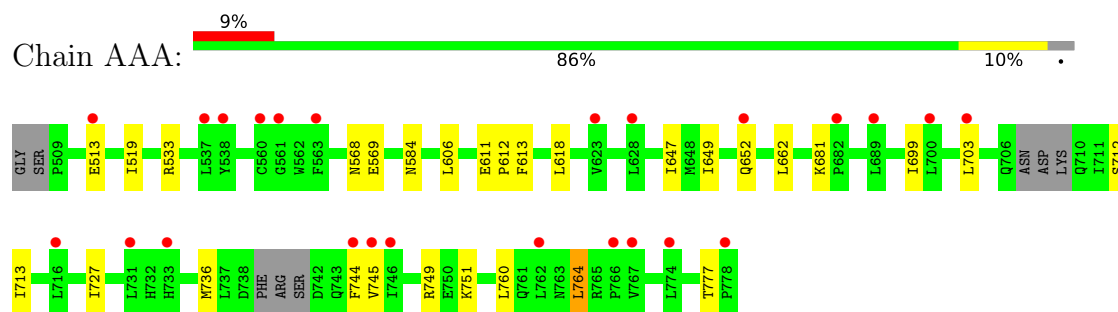
- Molecule 5 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
5	AAA	20	Total 20	O 20	0	0
5	BBB	26	Total 26	O 26	0	0

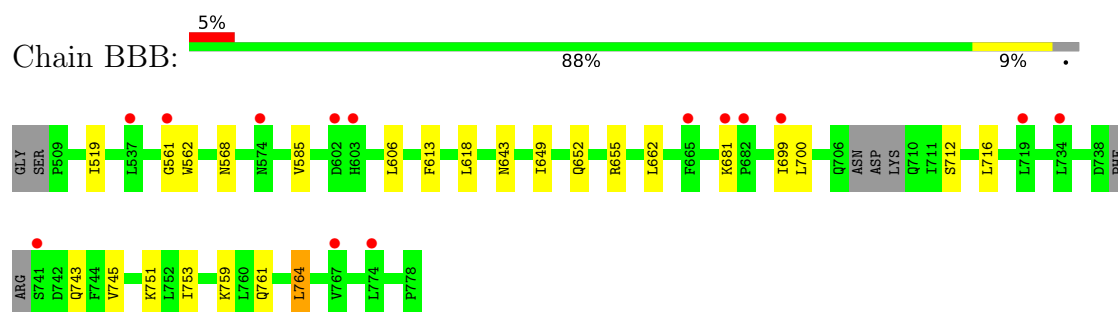
3 Residue-property plots [i](#)

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 acetyltransferase KAT6A



- Molecule 1: Histone acetyltransferase KAT6A



4 Data and refinement statistics

Property	Value	Source
Space group	P 1	Depositor
Cell constants a, b, c, α , β , γ	36.21Å 57.62Å 62.54Å 94.07° 90.34° 103.22°	Depositor
Resolution (Å)	43.27 – 2.78 43.27 – 2.78	Depositor EDS
% Data completeness (in resolution range)	93.5 (43.27-2.78) 93.5 (43.27-2.78)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	0.13	Depositor
$\langle I/\sigma(I) \rangle$ ¹	0.98 (at 2.77Å)	Xtriage
Refinement program	REFMAC 5.8.0267	Depositor
R, R_{free}	0.278 , 0.329 0.278 , 0.328	Depositor DCC
R_{free} test set	574 reflections (5.00%)	wwPDB-VP
Wilson B-factor (Å ²)	59.0	Xtriage
Anisotropy	0.439	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.35 , 42.8	EDS
L-test for twinning ²	$\langle L \rangle = 0.50$, $\langle L^2 \rangle = 0.33$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.90	EDS
Total number of atoms	4575	wwPDB-VP
Average B, all atoms (Å ²)	74.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 7.87% 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: ALY, ZN, ACO, 7KM

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	AAA	0.98	0/2273	1.43	0/3067
1	BBB	0.98	0/2277	1.42	0/3071
All	All	0.98	0/4550	1.43	0/6138

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	AAA	2222	0	2219	14	0
1	BBB	2227	0	2228	11	0
2	AAA	1	0	0	0	0
2	BBB	1	0	0	0	0
3	AAA	51	0	34	1	0
4	BBB	27	0	0	0	0
5	AAA	20	0	0	0	0
5	BBB	26	0	0	0	0
All	All	4575	0	4481	21	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 2.

All (21) 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:AAA:569:GLU:HB3	1:BBB:561:GLY:HA3	1.77	0.67
1:BBB:618:LEU:HB2	1:BBB:662:LEU:HD21	1.80	0.62
1:AAA:568:ASN:HB2	1:BBB:562:TRP:CE2	2.35	0.61
1:AAA:618:LEU:HB2	1:AAA:662:LEU:HD21	1.80	0.61
1:AAA:713:ILE:HG23	1:AAA:727:ILE:HD12	1.86	0.56
1:BBB:700:LEU:HD23	1:BBB:753:ILE:HD13	1.88	0.55
1:BBB:699:ILE:HD12	1:BBB:716:LEU:HD21	1.89	0.53
1:AAA:647:ILE:HG22	3:AAA:802:ACO:HH32	1.91	0.53
1:AAA:606:LEU:HD21	1:AAA:613:PHE:CE1	2.46	0.51
1:BBB:606:LEU:HD21	1:BBB:613:PHE:CE1	2.50	0.47
1:AAA:584:ASN:ND2	1:BBB:585:VAL:HG22	2.30	0.46
1:BBB:700:LEU:CD2	1:BBB:753:ILE:HD13	2.45	0.46
1:AAA:699:ILE:O	1:AAA:703:LEU:HG	2.18	0.43
1:AAA:736:MET:HG2	1:AAA:749:ARG:HD3	1.99	0.42
1:AAA:519:ILE:HD11	1:AAA:652:GLN:HE22	1.85	0.42
1:BBB:519:ILE:HD11	1:BBB:652:GLN:HE22	1.84	0.42
1:AAA:713:ILE:HD12	1:AAA:744:PHE:HB3	2.02	0.42
1:AAA:649:ILE:HD11	1:AAA:662:LEU:HD12	2.03	0.41
1:AAA:611:GLU:N	1:AAA:612:PRO:CD	2.84	0.41
1:BBB:649:ILE:HD11	1:BBB:662:LEU:HD12	2.03	0.41
1:AAA:568:ASN:HB2	1:BBB:562:TRP:CZ2	2.56	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	AAA	259/272 (95%)	239 (92%)	19 (7%)	1 (0%)	30	57
1	BBB	260/272 (96%)	241 (93%)	18 (7%)	1 (0%)	30	57
All	All	519/544 (95%)	480 (92%)	37 (7%)	2 (0%)	30	57

All (2) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	AAA	764	LEU
1	BBB	764	LEU

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 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	AAA	249/254 (98%)	240 (96%)	9 (4%)	31	63
1	BBB	250/254 (98%)	238 (95%)	12 (5%)	23	53
All	All	499/508 (98%)	478 (96%)	21 (4%)	28	58

All (21) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	AAA	513	GLU
1	AAA	533	ARG
1	AAA	681	LYS
1	AAA	712	SER
1	AAA	745	VAL
1	AAA	751	LYS
1	AAA	760	LEU
1	AAA	764	LEU
1	AAA	777	THR
1	BBB	568	ASN
1	BBB	643	ASN
1	BBB	655[A]	ARG
1	BBB	655[B]	ARG
1	BBB	681	LYS
1	BBB	712	SER
1	BBB	743	GLN
1	BBB	745	VAL
1	BBB	751	LYS
1	BBB	759	LYS
1	BBB	761	GLN
1	BBB	764	LEU

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

5.3.3 RNA ⓘ

There are no RNA molecules in this entry.

5.4 Non-standard residues in protein, DNA, RNA chains ⓘ

2 non-standard protein/DNA/RNA residues 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	$\# Z > 2$
1	ALY	AAA	604	1	10,11,12	0.39	0	7,12,14	0.21	0
1	ALY	BBB	604	1	10,11,12	0.40	0	7,12,14	0.22	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
1	ALY	AAA	604	1	-	2/9/10/12	-
1	ALY	BBB	604	1	-	2/9/10/12	-

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

All (4) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
1	AAA	604	ALY	N-CA-CB-CG
1	BBB	604	ALY	N-CA-CB-CG
1	AAA	604	ALY	C-CA-CB-CG

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Mol	Chain	Res	Type	Atoms
1	BBB	604	ALY	C-CA-CB-CG

There are no ring outliers.

No monomer is involved in short contacts.

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 4 ligands modelled in this entry, 2 are monoatomic - leaving 2 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	$\# Z > 2$
4	7KM	BBB	801	-	28,29,29	0.20	0	38,41,41	0.70	1 (2%)
3	ACO	AAA	802	-	48,53,53	0.44	0	69,79,79	0.50	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
4	7KM	BBB	801	-	-	1/20/20/20	0/3/3/3
3	ACO	AAA	802	-	-	5/51/67/67	0/3/3/3

There are no bond length outliers.

All (1) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
4	BBB	801	7KM	C08-C02-C03	3.16	118.47	116.21

There are no chirality outliers.

All (6) torsion outliers are listed below:

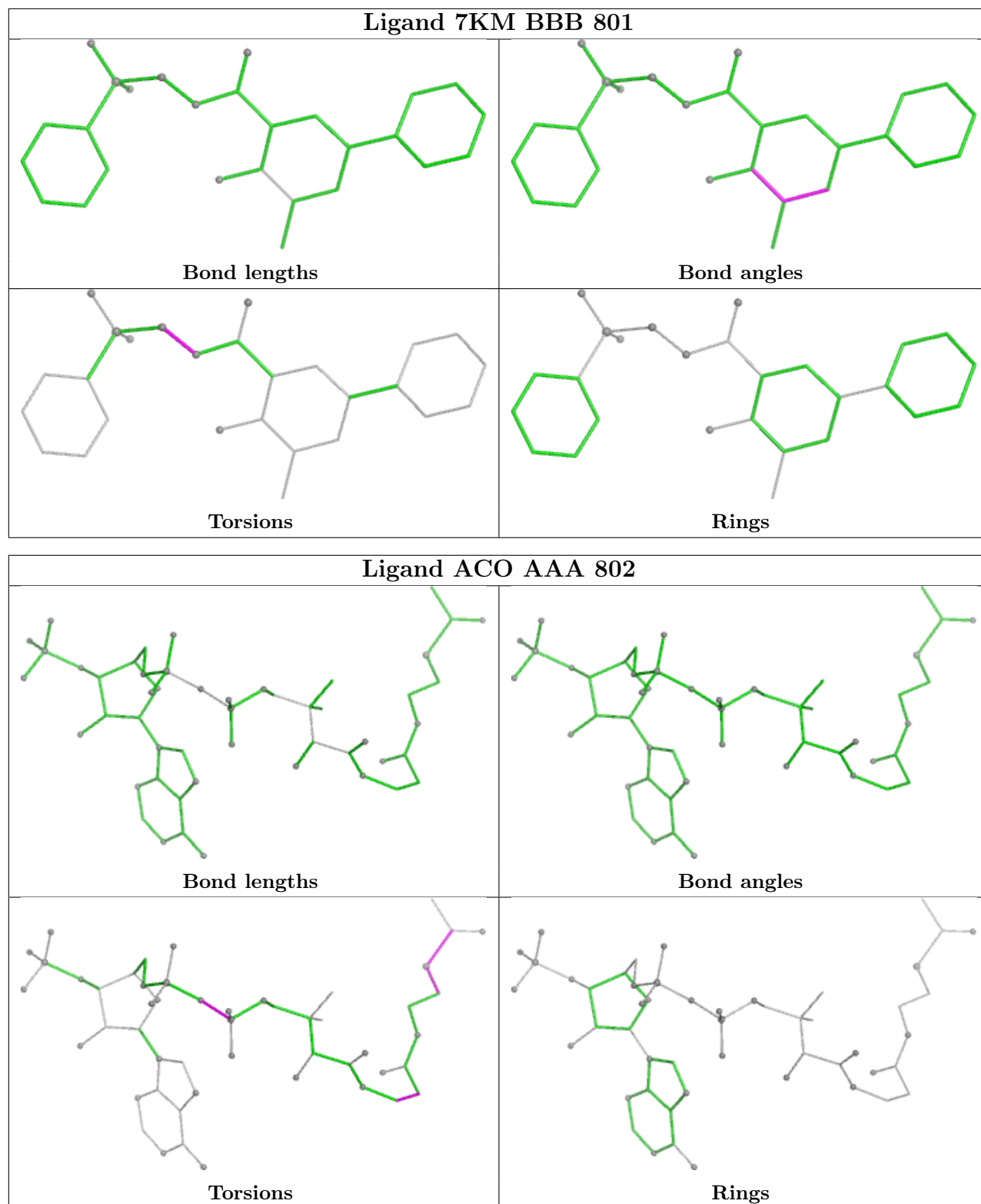
Mol	Chain	Res	Type	Atoms
3	AAA	802	ACO	C5P-C6P-C7P-N8P
3	AAA	802	ACO	C3P-C2P-S1P-C
3	AAA	802	ACO	O-C-S1P-C2P
3	AAA	802	ACO	CH3-C-S1P-C2P
4	BBB	801	7KM	C15-N17-N18-S19
3	AAA	802	ACO	P1A-O3A-P2A-O5A

There are no ring outliers.

1 monomer is involved in 1 short contact:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
3	AAA	802	ACO	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 ⓘ

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

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	AAA	263/272 (96%)	1.01	24 (9%)	15 12	40, 75, 124, 142	2 (0%)
1	BBB	264/272 (97%)	0.88	14 (5%)	32 26	36, 69, 105, 113	2 (0%)
All	All	527/544 (96%)	0.95	38 (7%)	21 17	36, 71, 115, 142	4 (0%)

All (38) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	AAA	746	ILE	3.3
1	AAA	778	PRO	3.3
1	BBB	574	ASN	3.3
1	AAA	774	LEU	3.2
1	AAA	513	GLU	2.9
1	BBB	734	LEU	2.7
1	AAA	652	GLN	2.7
1	AAA	563	PHE	2.7
1	AAA	700	LEU	2.7
1	AAA	537	LEU	2.6
1	BBB	665	PHE	2.4
1	AAA	731	LEU	2.4
1	BBB	774	LEU	2.4
1	AAA	762	LEU	2.4
1	BBB	719	LEU	2.4
1	AAA	733[A]	HIS	2.4
1	AAA	703	LEU	2.3
1	BBB	537	LEU	2.3
1	BBB	741	SER	2.3
1	BBB	699	ILE	2.3
1	BBB	603	HIS	2.3
1	BBB	682	PRO	2.3
1	BBB	561	GLY	2.3
1	BBB	767	VAL	2.3

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Mol	Chain	Res	Type	RSRZ
1	AAA	716	LEU	2.2
1	AAA	744	PHE	2.2
1	AAA	560	CYS	2.2
1	AAA	766	PRO	2.2
1	BBB	681	LYS	2.2
1	AAA	628	LEU	2.2
1	AAA	538	TYR	2.1
1	AAA	623	VAL	2.1
1	AAA	767	VAL	2.1
1	BBB	602	ASP	2.1
1	AAA	561	GLY	2.1
1	AAA	682	PRO	2.0
1	AAA	689	LEU	2.0
1	AAA	745	VAL	2.0

6.2 Non-standard residues in protein, DNA, RNA chains [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
1	ALY	AAA	604	12/13	0.76	0.15	52,58,67,68	0
1	ALY	BBB	604	12/13	0.81	0.17	57,62,69,70	0

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	ACO	AAA	802	51/51	0.84	0.12	70,82,92,94	0
4	7KM	BBB	801	27/27	0.85	0.12	54,57,63,64	0

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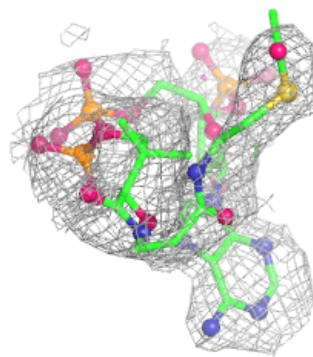
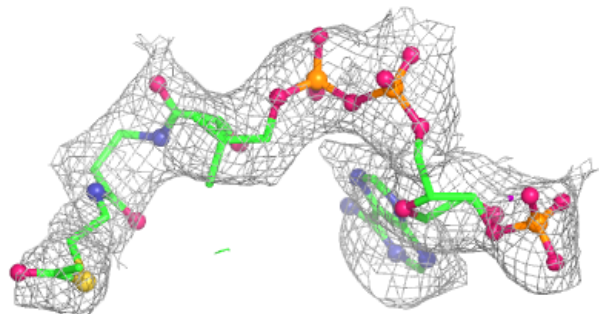
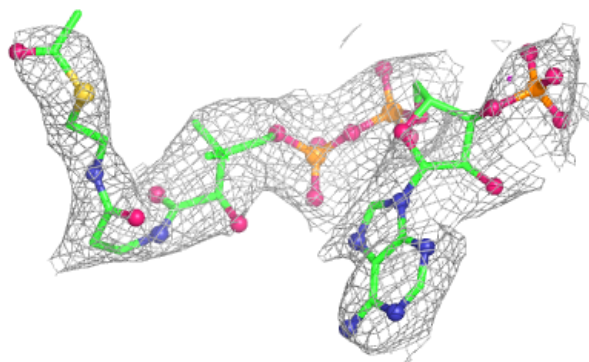
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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
2	ZN	AAA	801	1/1	0.96	0.04	39,39,39,39	0
2	ZN	BBB	800	1/1	0.96	0.04	37,37,37,37	0

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.

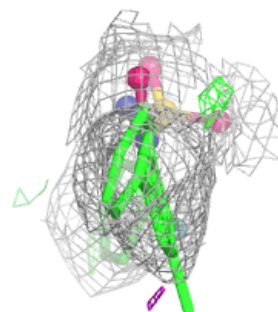
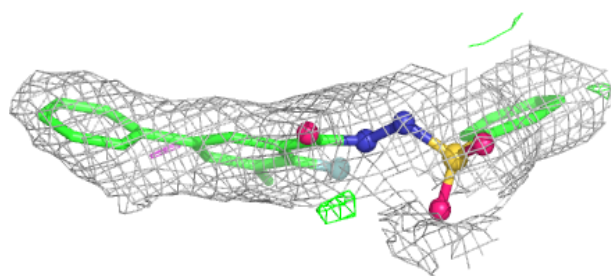
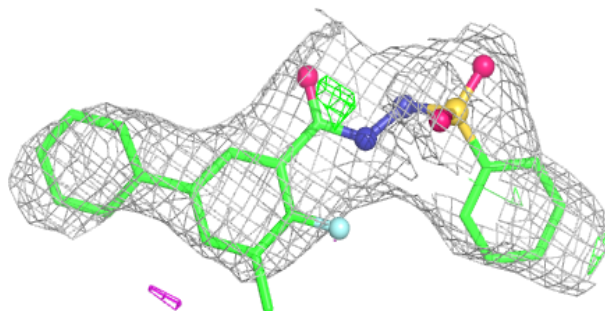
Electron density around ACO AAA 802:

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 7KM BBB 801:

$2mF_o - DF_c$ (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.