



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 9, 2026 – 03:56 PM UTC

PDB ID : 8S85 / pdb_00008s85
Title : Crystal structure of JAK1 JH1 domain in complex with an inhibitor
Authors : Flower, T.F.; Lopez-Ramos, M.; Geney, R.; Jestel, A.
Deposited on : 2024-03-05
Resolution : 1.75 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

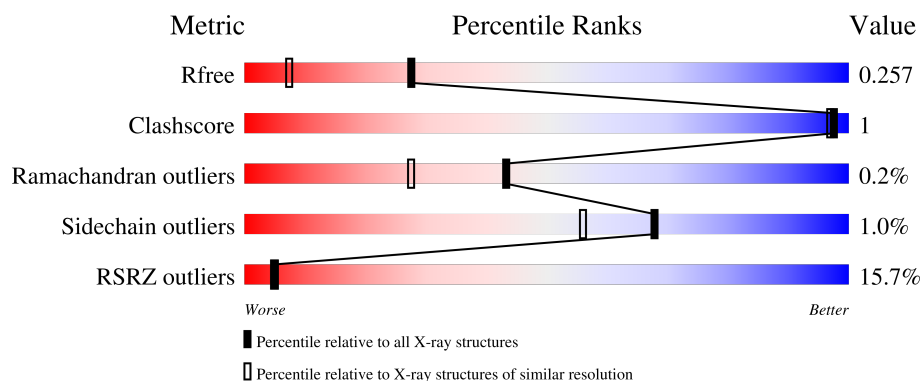
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 1.75 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	3183 (1.76-1.76)
Clashscore	190562	3299 (1.76-1.76)
Ramachandran outliers	187476	3274 (1.76-1.76)
Sidechain outliers	187428	3274 (1.76-1.76)
RSRZ outliers	180081	3183 (1.76-1.76)

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	A	302	
1	B	302	

2 Entry composition [i](#)

There are 4 unique types of molecules in this entry. The entry contains 5253 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.

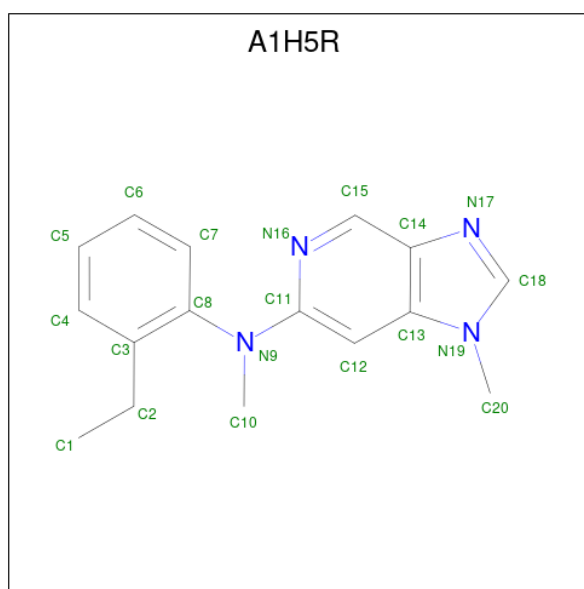
- Molecule 1 is a protein called Tyrosine-protein kinase JAK1.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
1	A	293	Total	C	N	O	P	S	88	5	0
			2424	1542	411	454	2	15			
1	B	283	Total	C	N	O	P	S	67	5	0
			2344	1493	401	433	2	15			

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	853	GLY	-	expression tag	UNP P23458
B	853	GLY	-	expression tag	UNP P23458

- Molecule 2 is {N}-(2-ethylphenyl)- {N},1-dimethyl-imidazo[4,5-c]pyridin-6-amine (CCD ID: A1H5R) (formula: C₁₆H₁₈N₄) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
2	A	1	Total	C	N	0	0
			20	16	4		

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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
2	B	1	Total	C	N	0	0
			20	16	4		

- Molecule 3 is SODIUM ION (CCD ID: NA) (formula: Na).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
3	A	3	Total	Na	0	0
			3	3		

- Molecule 4 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	A	217	Total	O	0	3
			220	220		
4	B	221	Total	O	0	1
			222	222		

- Molecule 1: Tyrosine-protein kinase JAK1



4 Data and refinement statistics

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, α , β , γ	43.04Å 174.03Å 44.89Å 90.00° 94.50° 90.00°	Depositor
Resolution (Å)	87.01 – 1.75 87.01 – 1.75	Depositor EDS
% Data completeness (in resolution range)	96.3 (87.01-1.75) 96.3 (87.01-1.75)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	0.05	Depositor
$\langle I/\sigma(I) \rangle$ ¹	2.02 (at 1.75Å)	Xtriage
Refinement program	REFMAC 5	Depositor
R, R_{free}	0.208 , 0.250 0.216 , 0.257	Depositor DCC
R_{free} test set	2941 reflections (4.46%)	wwPDB-VP
Wilson B-factor (Å ²)	21.1	Xtriage
Anisotropy	0.323	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.32 , 44.4	EDS
L-test for twinning ²	$\langle L \rangle = 0.49$, $\langle L^2 \rangle = 0.32$	Xtriage
Estimated twinning fraction	0.028 for l,-k,h	Xtriage
F_o, F_c correlation	0.95	EDS
Total number of atoms	5253	wwPDB-VP
Average B, all atoms (Å ²)	35.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 6.40% 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: A1H5R, NA, PTR

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	0.68	0/2441	0.86	1/3283 (0.0%)
1	B	0.75	0/2359	0.88	1/3173 (0.0%)
All	All	0.71	0/4800	0.87	2/6456 (0.0%)

There are no bond length outliers.

All (2) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	1037	VAL	CA-CB-CG2	6.66	121.72	110.40
1	B	1101	VAL	N-CA-C	5.58	116.36	110.72

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	2424	0	2407	3	0
1	B	2344	0	2343	4	0
2	A	20	0	0	0	0
2	B	20	0	0	0	0
3	A	3	0	0	0	0
4	A	220	0	0	0	0
4	B	222	0	0	1	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
All	All	5253	0	4750	7	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 (7) 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:1002:ARG:HA	1:A:1058[A]:PHE:CZ	2.42	0.54
1:B:1002:ARG:HA	1:B:1058:PHE:CZ	2.48	0.48
1:B:919:ILE:HD11	1:B:950:ASN:O	2.16	0.45
1:B:904:GLN:NE2	4:B:1305:HOH:O	2.50	0.44
1:B:1107:THR:HG22	1:B:1112:LYS:HB2	2.00	0.44
1:A:940:TYR:CZ	1:A:942:GLY:HA2	2.53	0.43
1:A:1000:VAL:HG13	1:A:1028:ILE:HD11	2.01	0.42

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	290/302 (96%)	284 (98%)	6 (2%)	0	100	100
1	B	280/302 (93%)	277 (99%)	2 (1%)	1 (0%)	30	15
All	All	570/604 (94%)	561 (98%)	8 (1%)	1 (0%)	43	27

All (1) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	B	1094	PRO

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	A	267/267 (100%)	264 (99%)	3 (1%)	65	52
1	B	258/267 (97%)	256 (99%)	2 (1%)	73	64
All	All	525/534 (98%)	520 (99%)	5 (1%)	68	56

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

Mol	Chain	Res	Type
1	A	1036	THR
1	A	1056	SER
1	A	1099	MET
1	B	1056	SER
1	B	1123	GLU

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (4) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	998	GLN
1	A	1138	ASN
1	B	904	GLN
1	B	1126	GLN

5.3.3 RNA ⓘ

There are no RNA molecules in this entry.

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

4 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	PTR	A	1035	1	15,16,17	1.94	1 (6%)	17,22,24	0.84	0
1	PTR	A	1034	1	15,16,17	1.98	1 (6%)	17,22,24	0.53	0
1	PTR	B	1034	1	15,16,17	2.05	1 (6%)	17,22,24	0.52	0
1	PTR	B	1035	1	15,16,17	1.94	1 (6%)	17,22,24	0.93	1 (5%)

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	PTR	A	1035	1	-	0/10/11/13	0/1/1/1
1	PTR	A	1034	1	-	0/10/11/13	0/1/1/1
1	PTR	B	1034	1	-	0/10/11/13	0/1/1/1
1	PTR	B	1035	1	-	0/10/11/13	0/1/1/1

All (4) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	B	1034	PTR	OH-CZ	-7.43	1.24	1.40
1	A	1034	PTR	OH-CZ	-7.12	1.24	1.40
1	A	1035	PTR	OH-CZ	-6.75	1.25	1.40
1	B	1035	PTR	OH-CZ	-6.66	1.25	1.40

All (1) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	B	1035	PTR	O2P-P-OH	2.30	112.12	105.32

There are no chirality outliers.

There are no torsion outliers.

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 5 ligands modelled in this entry, 3 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	$\# Z > 2$
2	A1H5R	A	1201	-	22,22,22	0.92	2 (9%)	27,31,31	1.53	6 (22%)
2	A1H5R	B	1201	-	22,22,22	1.04	1 (4%)	27,31,31	1.79	5 (18%)

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
2	A1H5R	A	1201	-	-	2/10/10/10	0/3/3/3
2	A1H5R	B	1201	-	-	2/10/10/10	0/3/3/3

All (3) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	B	1201	A1H5R	C14-N17	-2.53	1.35	1.39
2	A	1201	A1H5R	C14-N17	-2.38	1.35	1.39
2	A	1201	A1H5R	C8-N9	-2.03	1.40	1.43

All (11) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	B	1201	A1H5R	C15-N16-C11	4.74	125.17	117.41
2	A	1201	A1H5R	C15-N16-C11	3.58	123.27	117.41
2	B	1201	A1H5R	N16-C11-N9	3.55	119.62	115.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	A	1201	A1H5R	C14-N17-C18	3.48	108.67	104.40
2	B	1201	A1H5R	C14-N17-C18	3.05	108.14	104.40
2	B	1201	A1H5R	C12-C11-N16	-2.84	118.09	122.82
2	A	1201	A1H5R	C13-C14-N17	-2.68	107.10	110.00
2	A	1201	A1H5R	N16-C11-N9	2.65	118.59	115.54
2	A	1201	A1H5R	N19-C18-N17	-2.19	111.20	114.27
2	B	1201	A1H5R	C12-C13-N19	2.10	134.76	131.24
2	A	1201	A1H5R	C10-N9-C11	2.03	123.28	118.80

There are no chirality outliers.

All (4) torsion outliers are listed below:

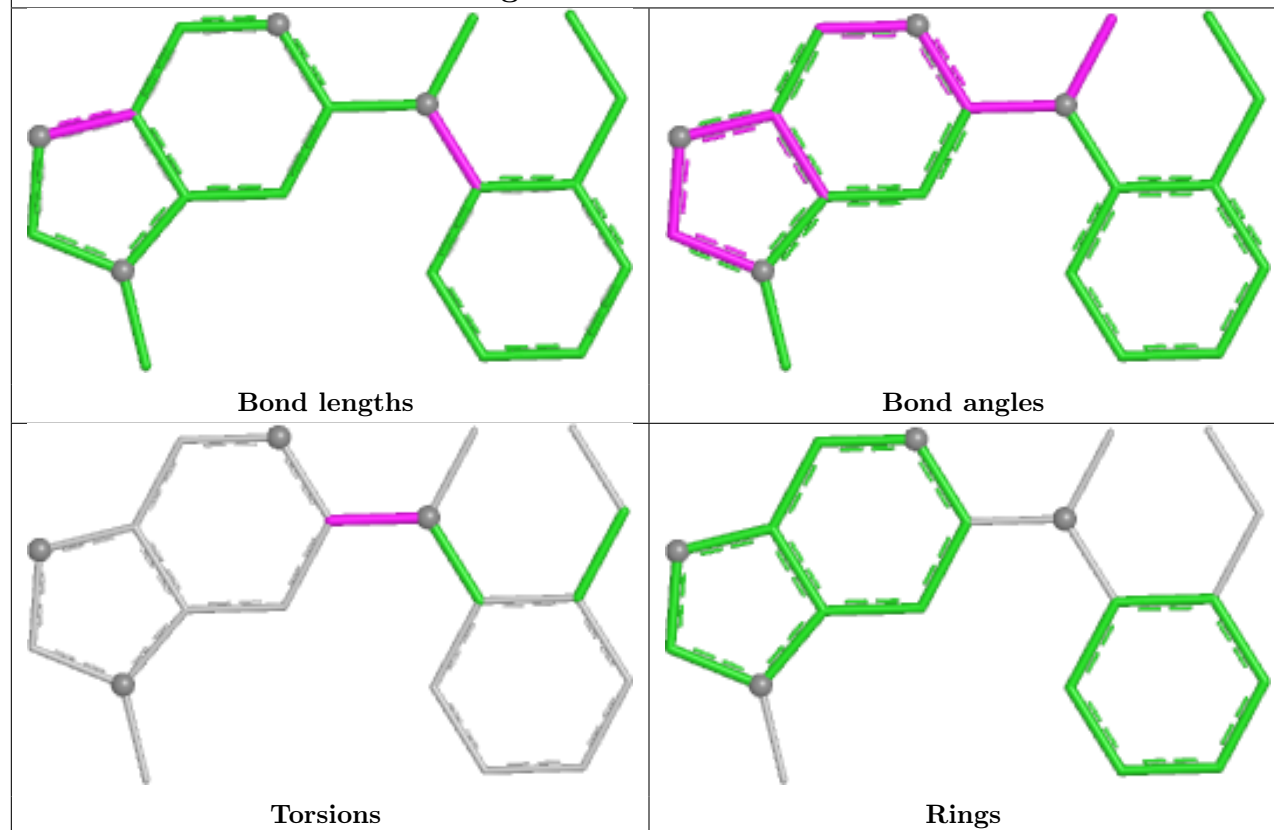
Mol	Chain	Res	Type	Atoms
2	A	1201	A1H5R	C12-C11-N9-C8
2	A	1201	A1H5R	N16-C11-N9-C8
2	B	1201	A1H5R	C12-C11-N9-C8
2	B	1201	A1H5R	N16-C11-N9-C8

There are no ring outliers.

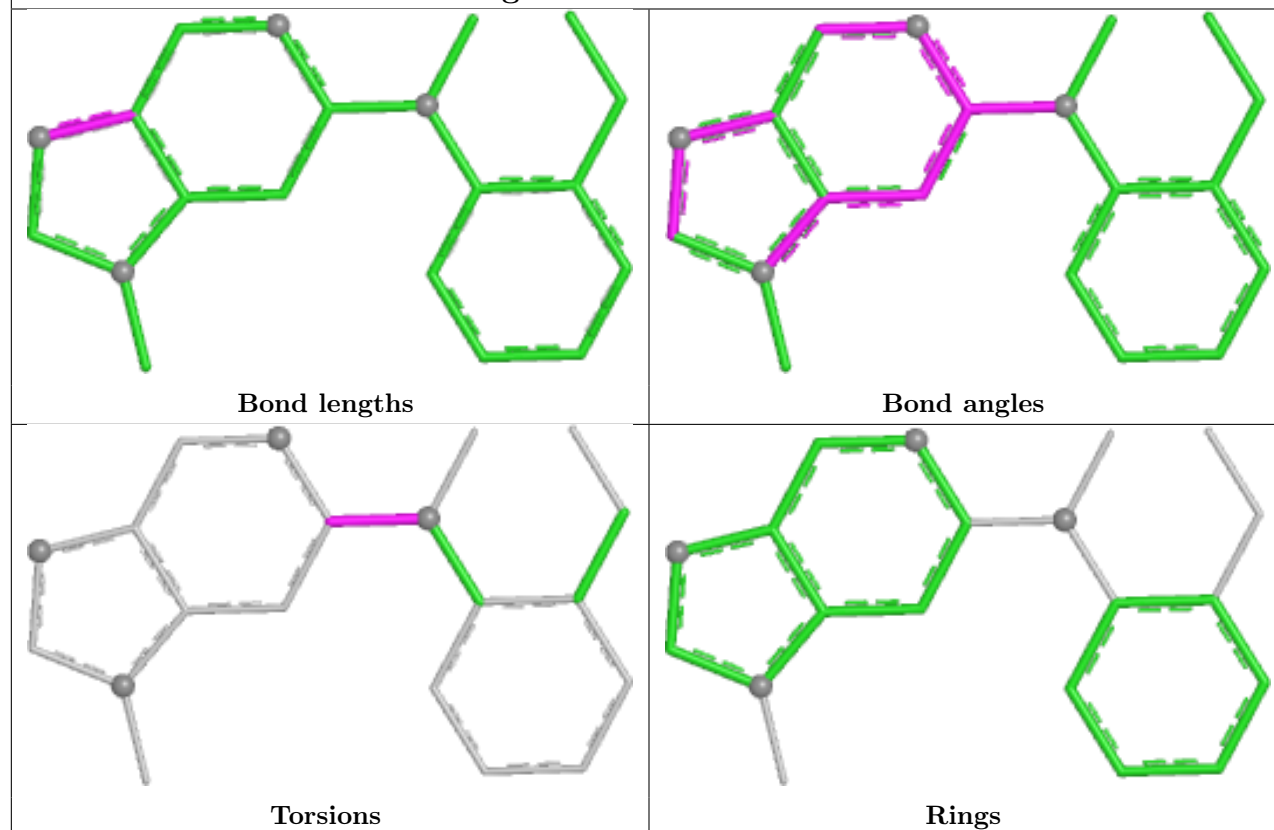
No monomer is involved in short contacts.

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.

Ligand A1H5R A 1201



Ligand A1H5R B 1201



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	291/302 (96%)	0.87	43 (14%) 5 6	8, 30, 67, 115	33 (11%)
1	B	281/302 (93%)	0.87	47 (16%) 4 4	7, 32, 68, 93	27 (9%)
All	All	572/604 (94%)	0.87	90 (15%) 5 5	7, 31, 68, 115	60 (10%)

All (90) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	A	856	VAL	6.3
1	B	1095	THR	6.3
1	A	853	GLY	6.2
1	A	886	PHE	5.9
1	A	855	ILE	5.6
1	B	1031	ASP	5.0
1	B	1097	GLY	4.7
1	A	859	LYS	4.6
1	A	1097	GLY	4.4
1	B	886	PHE	4.2
1	B	1030	THR	4.2
1	A	1030	THR	4.1
1	A	861	PRO	3.9
1	A	917	ASN	3.8
1	B	1108	LEU	3.8
1	A	854	ASP	3.8
1	A	1095	THR	3.8
1	B	1098	GLN	3.6
1	B	885	HIS	3.6
1	A	863	THR	3.6
1	B	1033	GLU	3.6
1	B	1107	THR	3.5
1	A	1098	GLN	3.5
1	A	884	GLY	3.5

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Mol	Chain	Res	Type	RSRZ
1	A	1038	LYS	3.4
1	B	1041	ARG	3.4
1	B	1092	ILE	3.4
1	B	933	TYR	3.3
1	A	933	TYR	3.3
1	B	884	GLY	3.3
1	B	1096	HIS	3.3
1	A	1028	ILE	3.2
1	A	1058[A]	PHE	3.2
1	A	950	ASN	3.2
1	B	1032	LYS	3.2
1	A	857	SER	3.2
1	B	916	GLY	3.2
1	A	1106	ASN	3.1
1	B	1106	ASN	3.1
1	B	912	PRO	3.1
1	B	1094	PRO	3.0
1	A	951	GLY	3.0
1	A	1041	ARG	3.0
1	B	950	ASN	3.0
1	A	919	ILE	3.0
1	B	1154	LYS	2.9
1	B	1089	LEU	2.9
1	B	1091	MET	2.9
1	B	1029	GLU	2.9
1	A	1105	VAL	2.9
1	B	1093	GLY	2.9
1	A	910	LEU	2.8
1	A	1037	VAL	2.8
1	A	1039	ASP	2.8
1	B	1099	MET	2.8
1	A	1054	MET	2.7
1	B	1137	SER	2.7
1	A	860	LYS	2.7
1	A	862	ALA	2.6
1	B	1058	PHE	2.6
1	B	1080	SER	2.6
1	B	1134	PHE	2.5
1	B	1028	ILE	2.5
1	A	1127	LEU	2.5
1	B	1087	LEU	2.4
1	B	1105	VAL	2.4

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Mol	Chain	Res	Type	RSRZ
1	B	1140	THR	2.4
1	A	1056	SER	2.4
1	B	917	ASN	2.4
1	B	1050	PRO	2.4
1	A	885	HIS	2.3
1	A	1099	MET	2.3
1	B	1055	GLN	2.3
1	B	1102	THR	2.3
1	A	887	GLY	2.3
1	A	883	GLU	2.2
1	B	1138	ASN	2.2
1	B	951	GLY	2.2
1	A	865	VAL	2.2
1	B	1090	LYS	2.2
1	A	1102	THR	2.2
1	A	1087	LEU	2.1
1	A	1042	ASP	2.1
1	B	883	GLU	2.1
1	B	1053	LEU	2.1
1	B	865	VAL	2.1
1	B	1127	LEU	2.1
1	A	1094	PRO	2.1
1	B	1135	GLN	2.0
1	A	911	LYS	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(Å ²)	Q<0.9
1	PTR	B	1034	16/17	0.87	0.11	47,62,81,82	0
1	PTR	A	1035	16/17	0.89	0.12	41,50,64,65	0
1	PTR	A	1034	16/17	0.90	0.10	42,54,75,79	0
1	PTR	B	1035	16/17	0.94	0.09	31,43,48,51	0

6.3 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.4 Ligands ⓘ

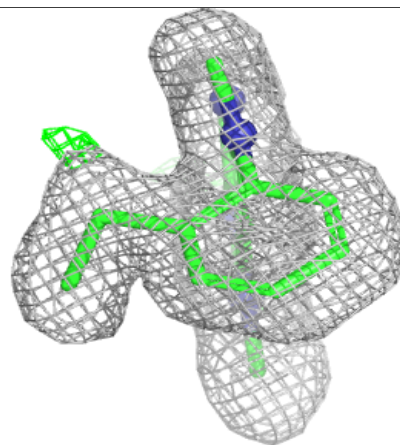
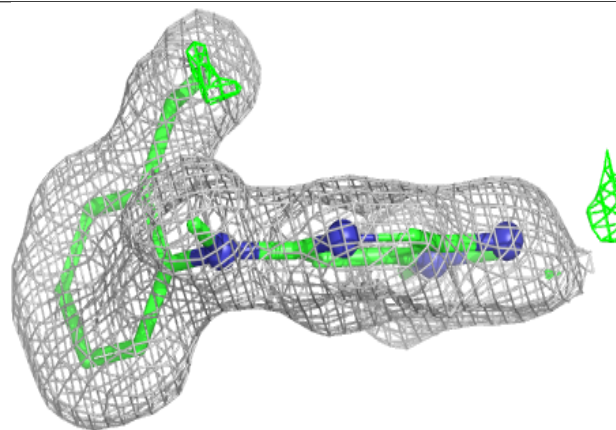
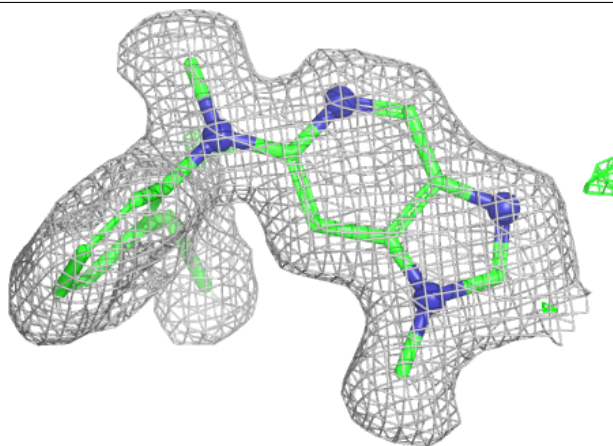
In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q<0.9' lists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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
3	NA	A	1204	1/1	0.76	0.20	62,62,62,62	0
3	NA	A	1203	1/1	0.86	0.11	42,42,42,42	0
3	NA	A	1202	1/1	0.95	0.21	32,32,32,32	0
2	A1H5R	B	1201	20/20	0.96	0.06	11,14,18,18	0
2	A1H5R	A	1201	20/20	0.96	0.06	14,20,21,25	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.

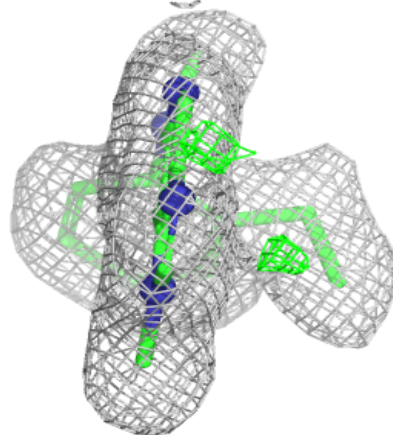
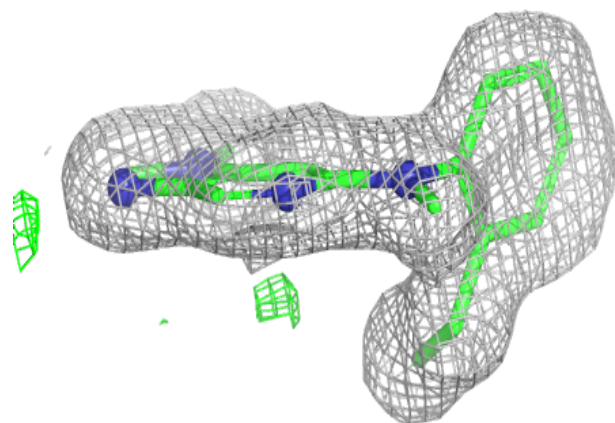
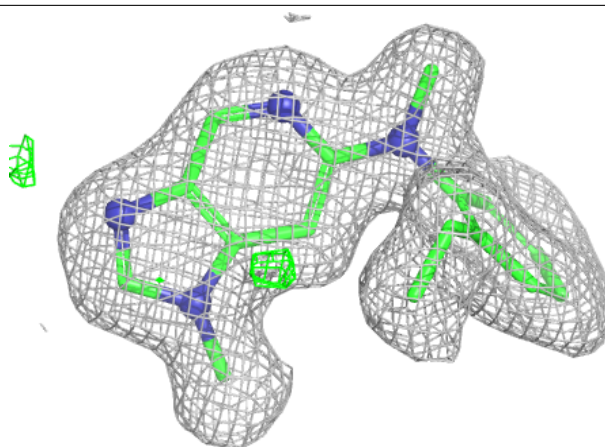
Electron density around A1H5R B 1201:

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 A1H5R A 1201:

$2mF_o - DF_c$ (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.