



# wwPDB X-ray Structure Validation Summary Report ⓘ

Dec 4, 2023 – 10:42 AM EST

PDB ID : 8V5G  
Title : Crystal Structure of Acetyl-CoA synthetase from *Cryptococcus neoformans* H99 in complex with an ethylsulfamide AMP inhibitor  
Authors : Seattle Structural Genomics Center for Infectious Disease; Seattle Structural Genomics Center for Infectious Disease (SSGCID)  
Deposited on : 2023-11-30  
Resolution : 2.50 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](mailto: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)  
Xtriage (Phenix) : 1.13  
EDS : 2.36  
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

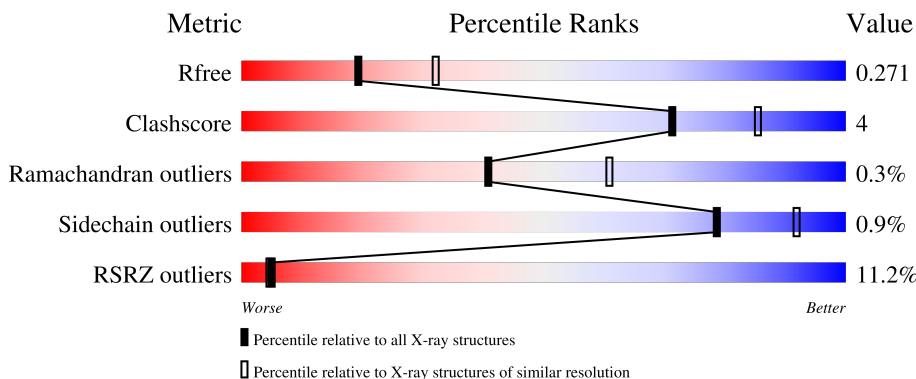
# 1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

*X-RAY DIFFRACTION*

The reported resolution of this entry is 2.50 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))
$R_{free}$	130704	4661 (2.50-2.50)
Clashscore	141614	5346 (2.50-2.50)
Ramachandran outliers	138981	5231 (2.50-2.50)
Sidechain outliers	138945	5233 (2.50-2.50)
RSRZ outliers	127900	4559 (2.50-2.50)

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  $\geq 3$ , 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	694	 3% 88% 6% 6%
1	B	694	 10% 84% 7% 9%
1	C	694	 15% 60% 10% 30%

## 2 Entry composition i

There are 4 unique types of molecules in this entry. The entry contains 13931 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 Acetyl-coenzyme A synthetase.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
1	A	655	Total 5072	C 3236	N 867	O 943	S 26	0	0	0
1	B	634	Total 4907	C 3133	N 831	O 917	S 26	0	0	0
1	C	483	Total 3790	C 2427	N 633	O 708	S 22	0	0	0

There are 45 discrepancies between the modelled and reference sequences:

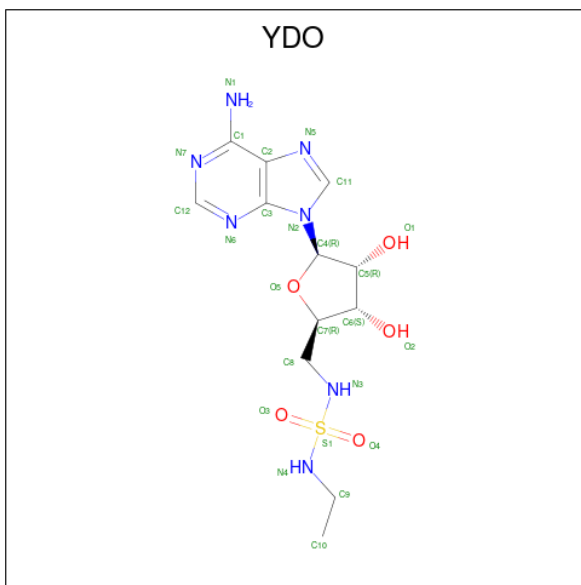
Chain	Residue	Modelled	Actual	Comment	Reference
A	-13	MET	-	initiating methionine	UNP J9VFT1
A	-12	HIS	-	expression tag	UNP J9VFT1
A	-11	HIS	-	expression tag	UNP J9VFT1
A	-10	HIS	-	expression tag	UNP J9VFT1
A	-9	HIS	-	expression tag	UNP J9VFT1
A	-8	HIS	-	expression tag	UNP J9VFT1
A	-7	HIS	-	expression tag	UNP J9VFT1
A	-6	HIS	-	expression tag	UNP J9VFT1
A	-5	HIS	-	expression tag	UNP J9VFT1
A	-4	GLU	-	expression tag	UNP J9VFT1
A	-3	ASN	-	expression tag	UNP J9VFT1
A	-2	LEU	-	expression tag	UNP J9VFT1
A	-1	TYR	-	expression tag	UNP J9VFT1
A	0	PHE	-	expression tag	UNP J9VFT1
A	1	GLN	-	expression tag	UNP J9VFT1
B	-13	MET	-	initiating methionine	UNP J9VFT1
B	-12	HIS	-	expression tag	UNP J9VFT1
B	-11	HIS	-	expression tag	UNP J9VFT1
B	-10	HIS	-	expression tag	UNP J9VFT1
B	-9	HIS	-	expression tag	UNP J9VFT1
B	-8	HIS	-	expression tag	UNP J9VFT1
B	-7	HIS	-	expression tag	UNP J9VFT1
B	-6	HIS	-	expression tag	UNP J9VFT1

*Continued on next page...*

Continued from previous page...

Chain	Residue	Modelled	Actual	Comment	Reference
B	-5	HIS	-	expression tag	UNP J9VFT1
B	-4	GLU	-	expression tag	UNP J9VFT1
B	-3	ASN	-	expression tag	UNP J9VFT1
B	-2	LEU	-	expression tag	UNP J9VFT1
B	-1	TYR	-	expression tag	UNP J9VFT1
B	0	PHE	-	expression tag	UNP J9VFT1
B	1	GLN	-	expression tag	UNP J9VFT1
C	-13	MET	-	initiating methionine	UNP J9VFT1
C	-12	HIS	-	expression tag	UNP J9VFT1
C	-11	HIS	-	expression tag	UNP J9VFT1
C	-10	HIS	-	expression tag	UNP J9VFT1
C	-9	HIS	-	expression tag	UNP J9VFT1
C	-8	HIS	-	expression tag	UNP J9VFT1
C	-7	HIS	-	expression tag	UNP J9VFT1
C	-6	HIS	-	expression tag	UNP J9VFT1
C	-5	HIS	-	expression tag	UNP J9VFT1
C	-4	GLU	-	expression tag	UNP J9VFT1
C	-3	ASN	-	expression tag	UNP J9VFT1
C	-2	LEU	-	expression tag	UNP J9VFT1
C	-1	TYR	-	expression tag	UNP J9VFT1
C	0	PHE	-	expression tag	UNP J9VFT1
C	1	GLN	-	expression tag	UNP J9VFT1

- Molecule 2 is 5'-deoxy-5'-(ethylsulfamamido)adenosine (three-letter code: YDO) (formula:  $C_{12}H_{19}N_7O_5S$ ) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
2	A	1	Total	C	N	O	S	0	0
			25	12	7	5	1		
2	B	1	Total	C	N	O	S	0	0
			25	12	7	5	1		

- Molecule 3 is CHLORIDE ION (three-letter code: CL) (formula: Cl).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
3	B	1	Total	Cl	0	0
			1	1		

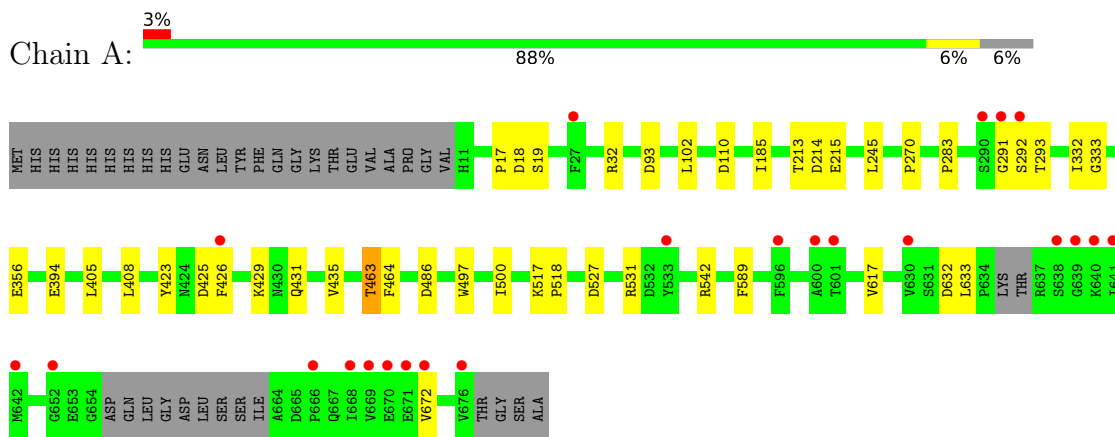
- Molecule 4 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	A	39	Total	O	0	0
			39	39		
4	B	58	Total	O	0	0
			58	58		
4	C	14	Total	O	0	0
			14	14		

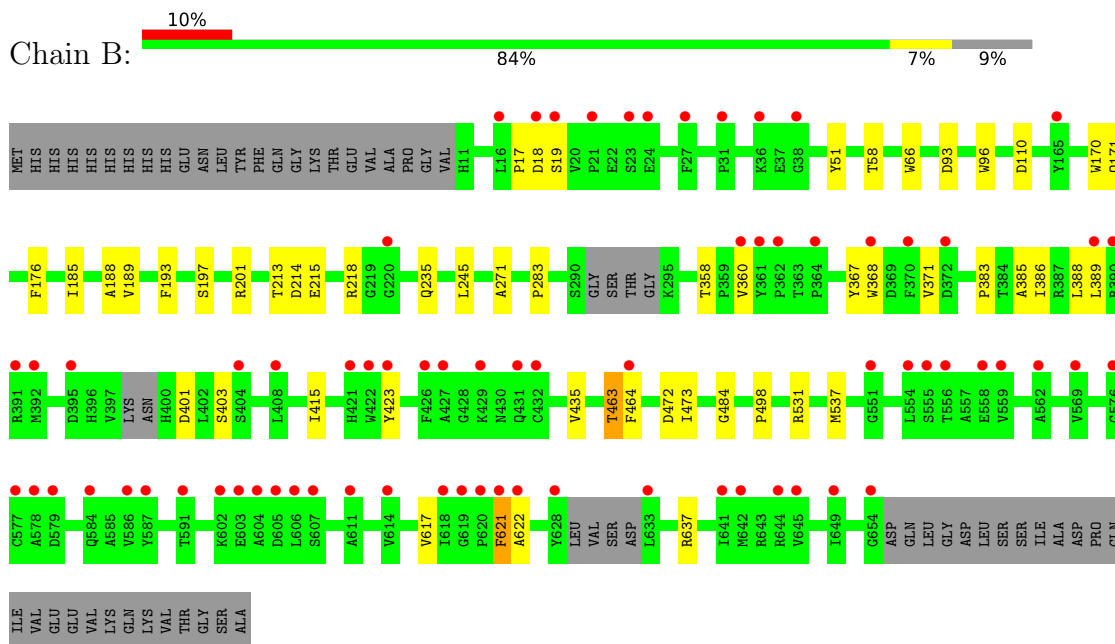
### 3 Residue-property plots [i](#)

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: Acetyl-coenzyme A synthetase



- Molecule 1: Acetyl-coenzyme A synthetase



- Molecule 1: Acetyl-coenzyme A synthetase



SER	THR	GLY	P452	T584	A271	Y48	MET
SER	LYS	ARG	G453	A385	A271	E49	HIS
ILE	GLU	VAL	A454	ILE	A271	S50	HIS
ALA	ALA	ASP	I455	ARG	M278	Y51	HIS
ASP	ASP	ASP	K458	LEU	E281	V52	HIS
PRO	LEU	VAL	S461	R390	R390	A56	HIS
GLN	SER	ILE	A462	R391	T289	A57	HIS
ILE	LYS	ASN	A461	M392	SER	T58	HIS
VAL	VAL	VAL	T463	GLY	GLY	V59	HIS
VAL	LEU	SER	F464	GLU	SER	M66	GLU
ALA	ALA	GLY	P465	HIS	THR	M66	ASN
ILE	ILE	HIS	F466	ASP	GLY	T83	LEU
VAL	GLN	ARG	F467	HIS	LYS	F89	TYR
GLN	LEU	LEU	M468	VAL	P296	F89	PHE
LYS	SER	SER	M469	LYS	S302	P98	GLN
VAL	VAL	ALA	I473	ASN	S302	P98	GLY
ILE	GLU	ALA	I474	H400	Y306	T101	THR
GLY	VAL	VAL	D475	D401	Y306	T101	GLU
PRO	GLU	GLU	P476	R406	T310	D110	VAL
PHE	SER	SER	Q477	V407	T310	D110	ALA
ALA	ALA	ALA	T478	L408	T313	K119	PRO
ALA	LEU	LEU	G479	G409	T313	K119	GLY
PRO	PRO	ILE	L482	S410	V317	L198	VAL
LYS	LYS	LEU	E483	V411	V317	L198	HIS
LYS	HIS	HIS	G484	GLY	P322	F189	HIS
ILE	LYS	LYS	P414	GLU	A327	F190	VAL
TYR	GLY	GLY	N415	P417	A327	A191	HIS
LEU	VAL	VAL	D486	E418	G383	G192	HIS
VAL	ALA	ALA	V487	A419	M394	G192	PRO
SER	GLU	GLU	E488	W420	F355	D213	LEU
ASP	THR	THR	G489	H421	E366	D214	PRO
LEU	ALA	ALA	V490	W422	S357	E215	PRO
PRO	VAL	VAL	I500	Y423	T368	G216	SER
LYS	LYS	VAL	A501	N424	F359	R217	GLU
ARG	ARG	CYS	R502	D425	V360	R218	ASP
SER	ALA	ALA	I503	F426	Y361	G219	LEU
GLY	ASP	ASP	V504	N430	P362	G219	PHE
LYS	ASP	LEU	L512	Q431	T363	T222	ALA
ILE	ILE	THR	Y515	C432	P364	T223	PRO
MET	THR	THR	M516	A433	S365	A224	PRO
ARG	GLN	GLN	K517	I434	R366	T225	PRO
ARG	ALA	VAL	P518	W435	Y367	I228	ARG
VAL	VAL	VAL	Y519	D436	W368	W229	MET
LEU	LEU	ARG	P520	T437	D369	W229	GLN
LYS	LYS	LYS	G521	Y438	F370	D230	GLY
ILE	ILE	PHE	Y522	W439	V371	A231	LYS
VAL	VAL	VAL	F523	G444	D372	Q235	GLY
ALA	ALA	THR	A530	I446	W374	Q235	GLY
GLY	GLY	MET	Y536	S447	L379	L243	R39
GLY	GLY	LYS	M537	I448	Y380	L243	P42
GLY	GLY	PRO	W538	A449	T381	W250	H43
ASP	LEU	GLU	I539	P450	A382	W263	I44
LEU	LEU	ASP	LYS	L451	P383		G45
ALA	ALA	ALA	LYS				N47

## 4 Data and refinement statistics

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, $\alpha$ , $\beta$ , $\gamma$	72.01Å 183.85Å 84.72Å 90.00° 93.40° 90.00°	Depositor
Resolution (Å)	76.84 – 2.50 84.58 – 2.50	Depositor EDS
% Data completeness (in resolution range)	99.5 (76.84-2.50) 99.5 (84.58-2.50)	Depositor EDS
$R_{merge}$	0.12	Depositor
$R_{sym}$	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ <sup>1</sup>	2.28 (at 2.51Å)	Xtrriage
Refinement program	PHENIX 1.21rc1_5162	Depositor
R, $R_{free}$	0.232 , 0.274 0.234 , 0.271	Depositor DCC
$R_{free}$ test set	3713 reflections (4.92%)	wwPDB-VP
Wilson B-factor (Å <sup>2</sup> )	42.5	Xtrriage
Anisotropy	0.220	Xtrriage
Bulk solvent $k_{sol}$ (e/Å <sup>3</sup> ), $B_{sol}$ (Å <sup>2</sup> )	0.30 , 43.9	EDS
L-test for twinning <sup>2</sup>	$\langle  L  \rangle = 0.50$ , $\langle L^2 \rangle = 0.34$	Xtrriage
Estimated twinning fraction	No twinning to report.	Xtrriage
$F_o, F_c$ correlation	0.92	EDS
Total number of atoms	13931	wwPDB-VP
Average B, all atoms (Å <sup>2</sup> )	70.0	wwPDB-VP

Xtrriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 5.92% of the height of the origin peak. No significant pseudotranslation is detected.*

<sup>1</sup>Intensities estimated from amplitudes.

<sup>2</sup>Theoretical 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: CL, YDO

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	0.38	0/5211	0.58	0/7102
1	B	0.39	0/5044	0.58	0/6880
1	C	0.36	0/3903	0.55	0/5322
All	All	0.38	0/14158	0.57	0/19304

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	5072	0	4879	23	0
1	B	4907	0	4682	32	0
1	C	3790	0	3587	43	0
2	A	25	0	0	0	0
2	B	25	0	0	0	0
3	B	1	0	0	0	0
4	A	39	0	0	0	0
4	B	58	0	0	0	0
4	C	14	0	0	0	0
All	All	13931	0	13148	95	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 4.

The worst 5 of 95 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:C:411:VAL:HG21	1:C:439:TRP:HE1	1.54	0.72
1:C:473:ILE:HD11	1:C:487:VAL:HG23	1.75	0.69
1:B:368:TRP:CZ2	1:B:389:LEU:HD13	2.29	0.68
1:C:367:TYR:O	1:C:371:VAL:HG23	1.96	0.65
1:C:448:ILE:HG22	1:C:462:ALA:CB	2.26	0.65

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	649/694 (94%)	625 (96%)	22 (3%)	2 (0%)	41 61
1	B	626/694 (90%)	607 (97%)	18 (3%)	1 (0%)	47 68
1	C	473/694 (68%)	436 (92%)	34 (7%)	3 (1%)	25 43
All	All	1748/2082 (84%)	1668 (95%)	74 (4%)	6 (0%)	41 61

5 of 6 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	292	SER
1	A	463	THR
1	C	463	THR
1	B	463	THR
1	C	452	PRO

### 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	523/576 (91%)	520 (99%)	3 (1%)	86	95
1	B	504/576 (88%)	497 (99%)	7 (1%)	67	86
1	C	390/576 (68%)	387 (99%)	3 (1%)	81	93
All	All	1417/1728 (82%)	1404 (99%)	13 (1%)	78	92

5 of 13 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	B	472	ASP
1	B	621	PHE
1	C	420	TRP
1	C	39	ARG
1	C	110	ASP

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (1) such sidechains are listed below:

Mol	Chain	Res	Type
1	B	430	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

Of 3 ligands modelled in this entry, 1 is 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	YDO	B	702	-	24,27,27	0.64	0	22,40,40	1.09	1 (4%)
2	YDO	A	701	-	24,27,27	0.68	0	22,40,40	1.08	1 (4%)

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	YDO	B	702	-	-	5/10/30/30	0/3/3/3
2	YDO	A	701	-	-	6/10/30/30	0/3/3/3

There are no bond length outliers.

All (2) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	B	702	YDO	N6-C12-N7	-3.75	122.82	128.68
2	A	701	YDO	N6-C12-N7	-3.71	122.88	128.68

There are no chirality outliers.

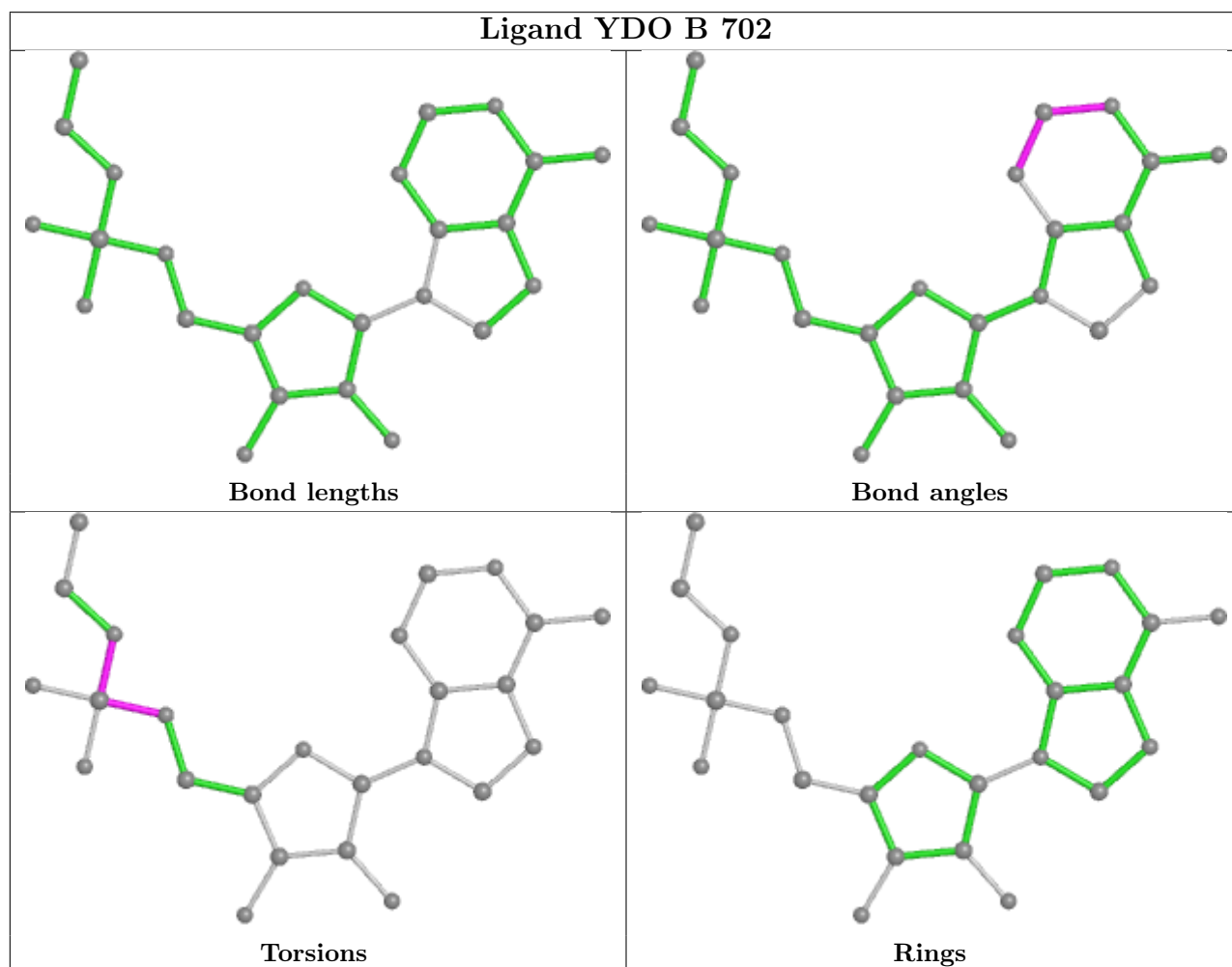
5 of 11 torsion outliers are listed below:

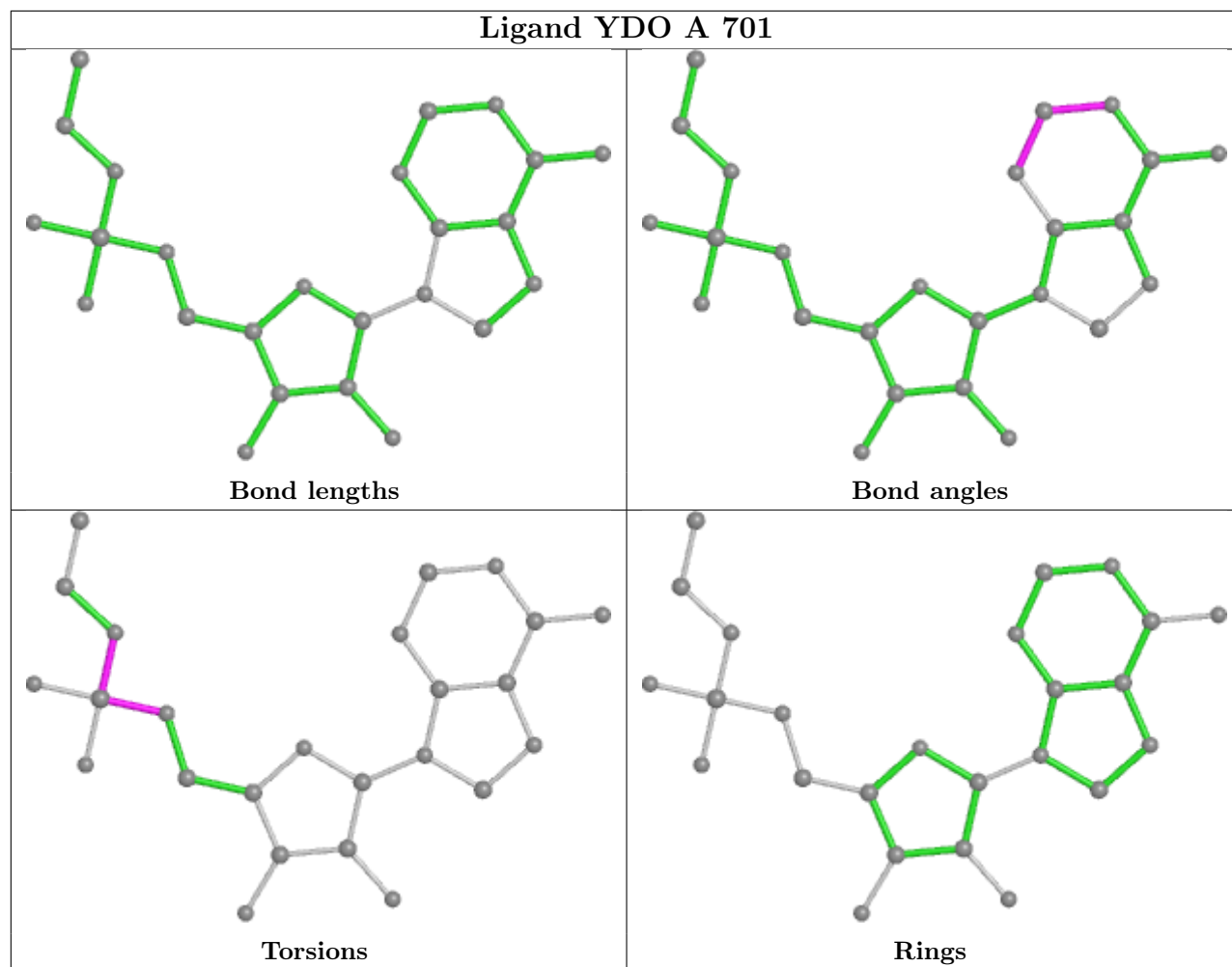
Mol	Chain	Res	Type	Atoms
2	A	701	YDO	C8-N3-S1-N4
2	A	701	YDO	C8-N3-S1-O3
2	A	701	YDO	C8-N3-S1-O4
2	A	701	YDO	C9-N4-S1-N3
2	A	701	YDO	C9-N4-S1-O3

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.





## 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 [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, 95<sup>th</sup> 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 <sup>2</sup> )	Q<0.9
1	A	655/694 (94%)	0.20	23 (3%) 44 47	28, 54, 97, 148	0
1	B	634/694 (91%)	0.70	72 (11%) 5 4	26, 68, 133, 187	0
1	C	483/694 (69%)	1.10	104 (21%) 0 0	31, 87, 132, 165	0
All	All	1772/2082 (85%)	0.62	199 (11%) 5 4	26, 65, 128, 187	0

The worst 5 of 199 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	C	423	TYR	7.1
1	A	672	VAL	7.0
1	C	382	ALA	6.8
1	B	622	ALA	6.7
1	C	426	PHE	6.5

### 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](#)

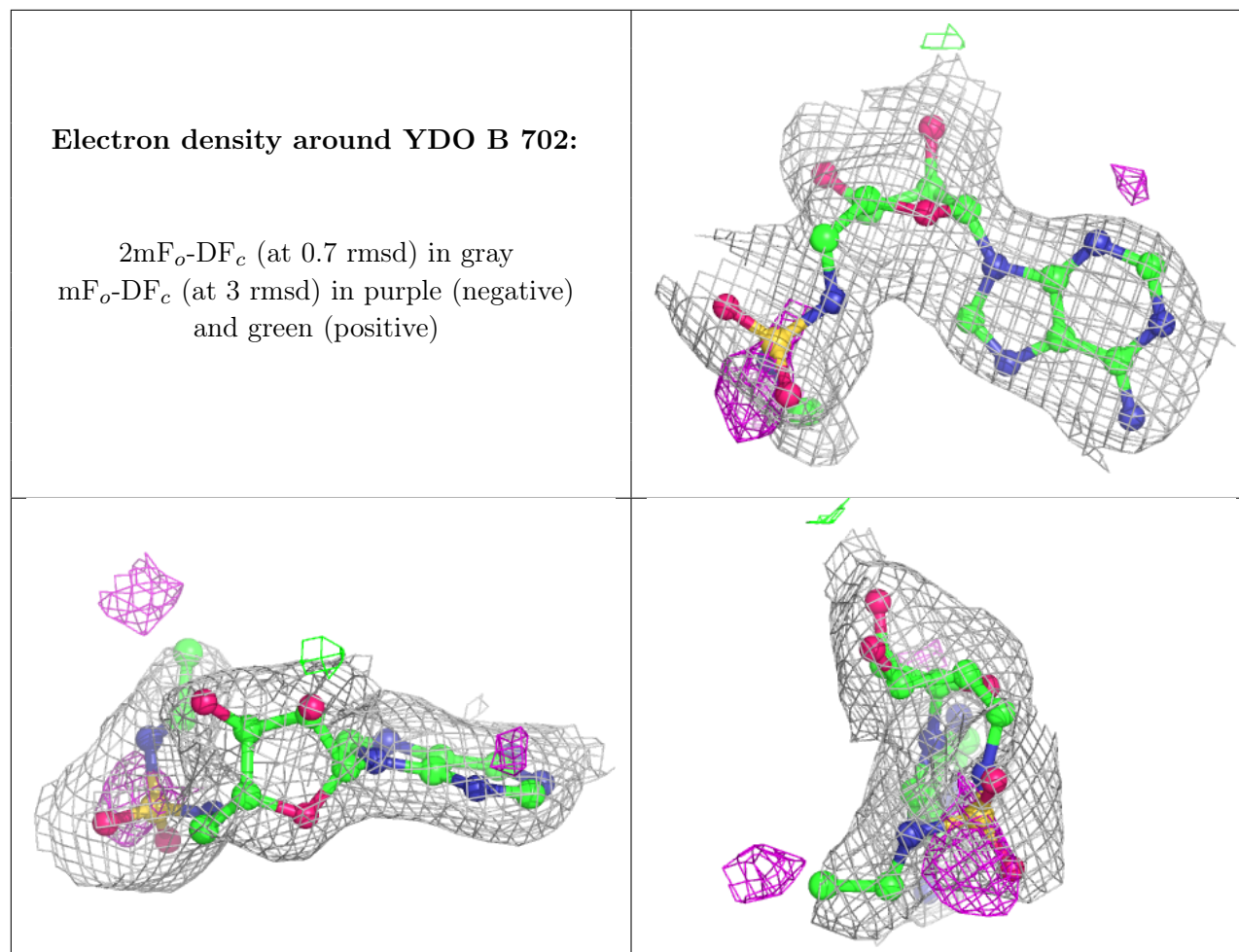
There are no monosaccharides in this entry.

### 6.4 Ligands [i](#)

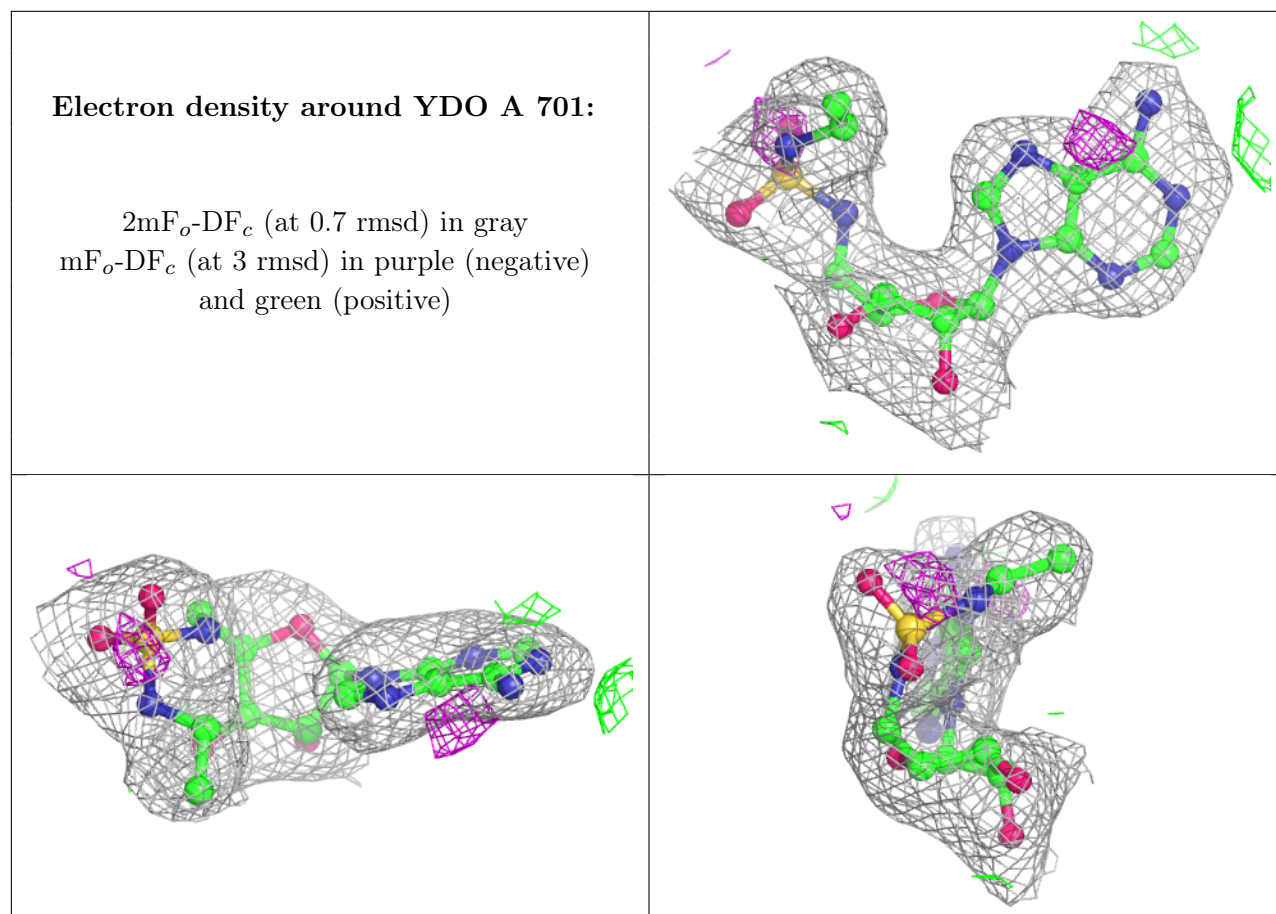
In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95<sup>th</sup> percentile and maximum values of B factors of atoms in the group. The column labelled ‘Q < 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	CL	B	701	1/1	0.90	0.15	73,73,73,73	0
2	YDO	B	702	25/25	0.91	0.18	47,59,63,70	0
2	YDO	A	701	25/25	0.93	0.17	37,41,50,54	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.