

checkCIF/PLATON (standard)

You have not supplied any structure factors. As a result the full set of tests cannot be run.

No syntax errors found.
Please wait while processing

CIF dictionary
Interpreting this report

Datablock: 517r

Bond precision: C-C = 0.0172 A Wavelength=0.71073
Cell: a=10.83(2) b=13.90(3) c=13.90(3)
alpha=79.27(2) beta=70.73(2) gamma=70.73(2)
Temperature: 297 K

	Calculated	Reported
Volume	1858(7)	1859(6)
Space group	P -1	P-1
Hall group	-P 1	-P 1
Moiety formula	C21 H24 Ag4 F12 N3 O9	C21 H24 Ag4 F12 N3 O9
Sum formula	C21 H24 Ag4 F12 N3 O9	C21 H24 Ag4 F12 N3 O9
Mr	1121.91	1121.91
Dx,g cm-3	2.005	2.004
Z	2	2
Mu (mm-1)	2.181	2.180
F000	1078.0	1078.0
F000'	1071.54	
h, k, lmax	12, 16, 16	12, 16, 16
Nref	6550	6486
Tmin, Tmax	0.514, 0.633	0.551, 0.657
Tmin'	0.504	

Correction method= MULTI-SCAN
Data completeness= 0.990 Theta(max)= 25.000
R(reflections)= 0.0616(4943) wR2(reflections)= 0.1367(6486)
S = 1.092 Npar= 573

The following ALERTS were generated. Each ALERT has the format
test-name_ALERT_alert-type_alert-level.
Click on the hyperlinks for more details of the test.

Alert level B

PLAT213_ALERT_2_B	Atom F7B	has ADP max/min Ratio	4.1	prola
PLAT220_ALERT_2_B	Large Non-Solvent C	Ueq(max)/Ueq(min) ...	5.3	Ratio
PLAT241_ALERT_2_B	Check High	Ueq as Compared to Neighbors for	O7	
PLAT242_ALERT_2_B	Check Low	Ueq as Compared to Neighbors for	C14	
PLAT242_ALERT_2_B	Check Low	Ueq as Compared to Neighbors for	C16	
PLAT242_ALERT_2_B	Check Low	Ueq as Compared to Neighbors for	C18	
PLAT242_ALERT_2_B	Check Low	Ueq as Compared to Neighbors for	C20	
PLAT732_ALERT_1_B	Angle Calc	70.63(3), Rep 70.63(13)	4.33	su-Ra
	AG3 -AG2 -AG1	1.555 1.555 1.555 #	27	

Alert level C

PLAT148_ALERT_3_C	su on the	a - Axis is (Too) Large	0.020	Ang.
PLAT148_ALERT_3_C	su on the	b - Axis is (Too) Large	0.030	Ang.
PLAT148_ALERT_3_C	su on the	c - Axis is (Too) Large	0.030	Ang.
PLAT213_ALERT_2_C	Atom F8	has ADP max/min Ratio	3.6	prola
PLAT213_ALERT_2_C	Atom C22	has ADP max/min Ratio	3.4	oblat
PLAT213_ALERT_2_C	Atom F2	has ADP max/min Ratio	3.4	prola
PLAT213_ALERT_2_C	Atom F5	has ADP max/min Ratio	3.4	prola
PLAT213_ALERT_2_C	Atom F6	has ADP max/min Ratio	3.6	prola
PLAT213_ALERT_2_C	Atom F8B	has ADP max/min Ratio	3.6	prola
PLAT222_ALERT_3_C	Large Non-Solvent H	Uiso(max)/Uiso(min) ..	6.0	Ratio
PLAT232_ALERT_2_C	Hirshfeld Test Diff (M-X)	Ag1 -- N1 ..	5.5	su
PLAT232_ALERT_2_C	Hirshfeld Test Diff (M-X)	Ag2 -- O9 ..	5.4	su
PLAT234_ALERT_4_C	Large Hirshfeld Difference	O9 -- C21 ..	0.24	Ang.
PLAT241_ALERT_2_C	Check High	Ueq as Compared to Neighbors for	Ag1	
PLAT241_ALERT_2_C	Check High	Ueq as Compared to Neighbors for	O1	
PLAT241_ALERT_2_C	Check High	Ueq as Compared to Neighbors for	O2	
PLAT242_ALERT_2_C	Check Low	Ueq as Compared to Neighbors for	Ag2	
PLAT242_ALERT_2_C	Check Low	Ueq as Compared to Neighbors for	Ag3	
PLAT242_ALERT_2_C	Check Low	Ueq as Compared to Neighbors for	N1	
PLAT242_ALERT_2_C	Check Low	Ueq as Compared to Neighbors for	N2	
PLAT242_ALERT_2_C	Check Low	Ueq as Compared to Neighbors for	C13	
PLAT242_ALERT_2_C	Check Low	Ueq as Compared to Neighbors for	C15	
PLAT242_ALERT_2_C	Check Low	Ueq as Compared to Neighbors for	C17	
PLAT242_ALERT_2_C	Check Low	Ueq as Compared to Neighbors for	C19	
PLAT242_ALERT_2_C	Check Low	Ueq as Compared to Neighbors for	C21	
PLAT342_ALERT_3_C	Low Bond Precision on	C-C Bonds	0.0172	Ang
PLAT360_ALERT_2_C	Short C(sp3)-C(sp3) Bond	C21 - C22 ...	1.39	Ang.

● Alert level G

PLAT003_ALERT_2_G	Number of Uiso or Uij Restrained Atom Sites	1
PLAT004_ALERT_5_G	Info: Polymeric Structure Found with Dimension .	1
PLAT005_ALERT_5_G	No _iucr_refine_instructions_details in CIF	?
PLAT154_ALERT_1_G	The su's on the Cell Angles are Equal	0.02000 Deg.
PLAT301_ALERT_3_G	Note: Main Residue Disorder	29 Perc.
PLAT811_ALERT_5_G	No ADDSYM Analysis: Too Many Excluded Atoms	!
PLAT860_ALERT_3_G	Note: Number of Least-Squares Restraints	6

0 **ALERT level A** = Most likely a serious problem - resolve or explain
8 **ALERT level B** = A potentially serious problem, consider carefully
27 **ALERT level C** = Check. Ensure it is not caused by an omission or oversight
7 **ALERT level G** = General information/check it is not something unexpected

2 ALERT type 1 CIF construction/syntax error, inconsistent or missing data
29 ALERT type 2 Indicator that the structure model may be wrong or deficient
7 ALERT type 3 Indicator that the structure quality may be low
1 ALERT type 4 Improvement, methodology, query or suggestion
3 ALERT type 5 Informative message, check

It is advisable to attempt to resolve as many as possible of the alerts in all categories. Often the minor alerts point to easily fixed oversights, errors and omissions in your CIF or refinement strategy, so attention to these fine details can be worthwhile. In order to resolve some of the more serious problems it may be necessary to carry out additional measurements or structure refinements. However, the purpose of your study may justify the reported deviations and the more serious of these should normally be commented upon in the discussion or experimental section of a paper or in the "special_details" fields of the CIF. checkCIF was carefully designed to identify outliers and unusual parameters, but every test has its limitations and alerts that are not important in a particular case may appear. Conversely, the absence of alerts does not guarantee there are no aspects of the results needing attention. It is up to the individual to critically assess their own results and, if necessary, seek expert advice.

Publication of your CIF in IUCr journals

A basic structural check has been run on your CIF. These basic checks will be run on all CIFs submitted for publication in IUCr journals (*Acta Crystallographica*, *Journal of Applied Crystallography*, *Journal of Synchrotron Radiation*); however, if you intend to submit to *Acta Crystallographica Section C* or *E*, you should make sure that [full publication checks](#) are run on the final version of your CIF prior to submission.

Publication of your CIF in other journals

Please refer to the *Notes for Authors* of the relevant journal for any special instructions relating to CIF submission.

PLATON version of 18/07/2011; check.def file version of 04/07/2011

Datablock 517r - ellipsoid plot

53 Y

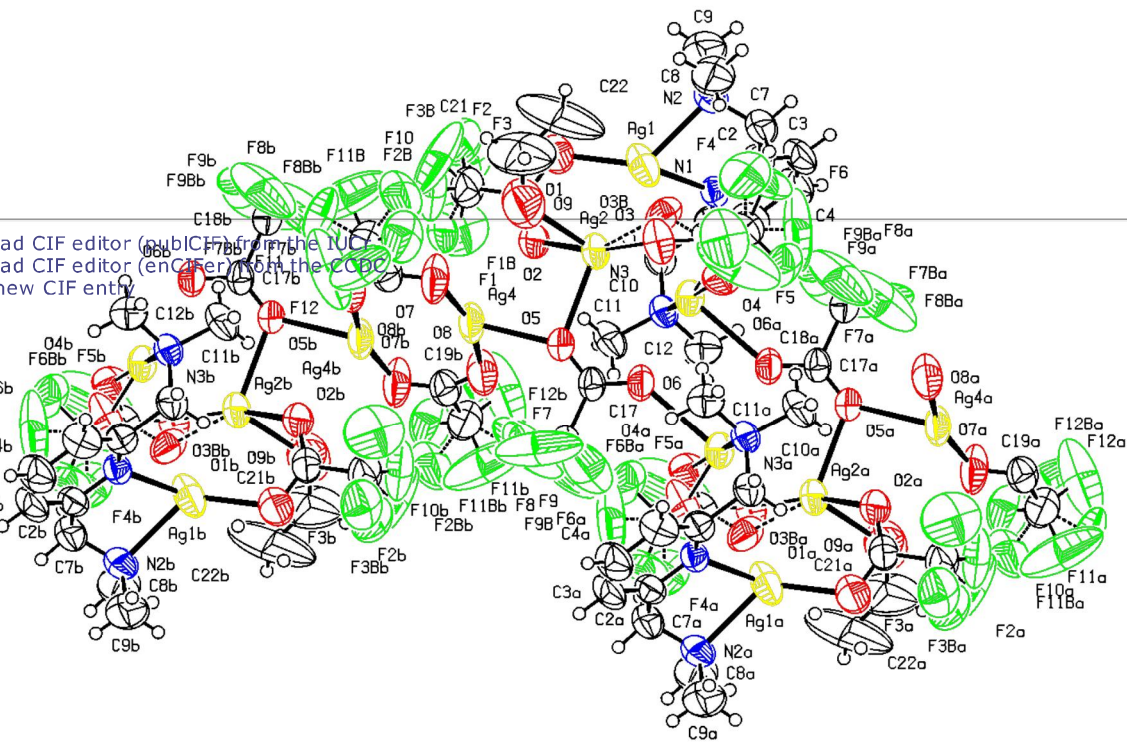
NOMOVE FORCED

Prob = 50
Temp = 297

180711)

Download CIF editor (pubCIF) from the IUCr
Download CIF editor (enCIFer) from the CCDC
Test a new CIF entry

PLATON-Oct 20 08:08:53 2011



Z 153

517r

P-1

R = 0.06

RES= 0 -50 X