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# Bis(N-triisopropylsilylquinolin-8-aminato)nickel(II)

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Key indicators: single-crystal X-ray study: T = 183 K: mean  $\sigma$ (C–C) = 0.004 Å: R factor = 0.047; wR factor = 0.123; data-to-parameter ratio = 19.9.

The reddish-brown title complex,  $[Ni(C_{18}H_{27}N_2Si)_2]$ , was prepared via the salt-metathesis reaction of N-triisopropylsilyl-8-amidoquinoline lithium with nickelocene (NiCp<sub>2</sub>). The asymmetric unit contains two symmetry-independent molecules with the Ni atoms in distorted tetrahedral environments.

### **Related literature**

The reaction of N-trialkylsilyl-8-amidoquinoline lithium (Jonas et al., 2000) with nickelocene yields paramagnetic bis(N-trialkylsilyl-8-amidoquinoline)nickel(II) (Lee et al., 2000). The isostructural zinc and magnesium derivatives are thermally stable whereas bis(N-trimethylsilyl-8-amidoquinoline) cadmium(II) liberates dimethylcadmium at 513 K (Englehardt et al., 1991). Transamination of Zn[N(SiMe<sub>3</sub>)<sub>2</sub>]<sub>2</sub> with N-trialkylsilyl-8-aminoquinoline gives heteroleptic Ntrialkylsilyl-8-amidoquinoline (Malassa et al., 2008). In contrast to these 8-amidoquinoline complexes, neutral 8aminoquinoline can easily act as a bidentate base to metal cations, see: Engelter et al. (1989); Fanning & Taylor (1965); Nast et al. (1961); Nielsen & Dahl (1966).



### **Experimental**

### Crystal data

M Tr a

h *c* :

α β

[Ni(CusHazNaSi)a]	$\nu = 85540(2)^{\circ}$
$M_r = 657.72$	$V = 3559.6 (2) \text{ Å}^3$
Triclinic, $P\overline{1}$	Z = 4
a = 12.3062 (5)  Å	Mo $K\alpha$ radiation
b = 17.7015 (5) Å	$\mu = 0.64 \text{ mm}^{-1}$
c = 18.4194 (6) Å	T = 183  K
$\alpha = 68.956 (2)^{\circ}$	$0.04 \times 0.04 \times 0.04$ mm
$\beta = 72.025 (2)^{\circ}$	

#### Data collection

Nonius KappaCCD diffractometer 25470 measured reflections 15935 independent reflections

#### Refinement

$R[F^2 > 2\sigma(F^2)] = 0.047$	799 parameters
$wR(F^2) = 0.123$	H-atom parameters constrained
S = 1.02	$\Delta \rho_{\rm max} = 0.50 \text{ e } \text{\AA}^{-3}$
15935 reflections	$\Delta \rho_{\rm min} = -0.44 \text{ e } \text{\AA}^{-3}$

12031 reflections with  $I > 2\sigma(I)$ 

 $R_{\rm int} = 0.034$ 

Data collection: COLLECT (Nonius, 1998); cell refinement: DENZO (Otwinowski & Minor, 1997); data reduction: DENZO; program(s) used to solve structure: SHELXS97 (Sheldrick, 2008); program(s) used to refine structure: SHELXL97 (Sheldrick, 2008); molecular graphics: SHELXTL/PC (Sheldrick, 2008); software used to prepare material for publication: SHELXL97.

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Supplementary data and figures for this paper are available from the IUCr electronic archives (Reference: JH2120).

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# supporting information

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# Bis(N-triisopropylsilylquinolin-8-aminato)nickel(II)

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# S1. Comment

The reaction of *N*-trialkylsilyl-8-amidoquinoline lithium (Jonas *et al.* 2000) with nickelocene yields paramagnetic bis(*N*-trialkylsilyl-8-amidoquinoline)nickel(II) (Lee *et al.* 2000) (Si $R_3$  = SiMe<sub>3</sub>, SiMe<sub>2</sub>tBu) with the metal centers in distorted tetrahedral environments. Isostructural zinc and magnesium derivatives are thermally stable whereas bis(*N*-trimethyl-silyl-8-amidoquinoline)cadmium(II) liberates dimethylcadmium at 240°C (Englehardt *et al.* 1991). Transamination of Zn[N(SiMe<sub>3</sub>)<sub>2</sub>]<sub>2</sub> with *N*-trialkylsilyl-8-aminoquinoline gives heteroleptic *N*-trialkylsilyl-8-amidoquinoline zinc(II)bis(trimethylsilyl)amide (Malassa *et al.* 2008). The metallation of 8-aminoquinoline with [(tmeda)NiMe<sub>2</sub>] yields bis(8-amidoquinoline) nickel(II) with a square planar coordinated nickel center. In contrast to these rather rare examples of 8-amidoquinoline complexes, neutral 8-aminoquinoline can easily act as a bidentate base to metal cations (see *e.g.* Engelter *et al.* 1989, Fanning *et al.* 1965, Nast *et al.* 1961, Nielsen *et al.* 1966).

The reaction of nickelocene with *N*-triisopropylsilyl-8-amidoquinoline lithium yields the reddish-brown title complex bis(*N*-triisopropylsilyl-8-amidoquinoline) nickel(II). This compound crystallizes from diethyl ether with two crystallographically independent molecules with similar configurations. The nickel atoms are in distorted tetrahedral environments despite the fact that amido and pyridyl bases have to be considered as strong Lewis bases because the bulky triisopropylsilyl groups prevent a distorted square planar coordination sphere of the Ni centers. Due to an additional electrostatic attraction the Ni—N<sub>amido</sub> bond lengths (av. value 196.4 pm) are smaller than the Ni—N<sub>pyridyl</sub> distances with an average value of 200.3 pm.

# S2. Experimental

All manipulations were carried out by using modified Schlenk techniques under an atmosphere of argon. Prior to use, THF and diethyl ether were distilled over sodium/benzophenone.

*N*-Triisopropylsilyl-8-aminochinolin (0.46 g, 1.54 mmol), dissolved at -78°C in 10 ml of THF, was lithiated with 1 mL of a 1,6 *M* solution of *n*BuLi in hexane. To this solution 0.15 g of [NiCp<sub>2</sub>] (1.54 mmol) in 13 ml of THF was added dropwise while a temperature of -78°C was maintained in the reaction flask. The cooling bath was removed and the red-brown reaction mixture stirred for additional 12 h. Thereafter, all volatiles were removed in vacuum and the residue dissolved in 20 ml of diethyl ether. After filtration the volume of the mother liquor was reduced to half of the original volume. At -20°C reddish brown crystals precipitated. Yield: 0.10 g (0.15 mmol, 21%). IR (Nujol, KBr windows, cm<sup>-1</sup>): 1562 m,1508 m, 1496 m, 1365 m, 1315 s, 1280 m, 1261 m, 1224 w, 1115 m, 1096 m, 1015 m,934 m, 913 w, 882 m, 819 s, 790 m, 757 m, 739 m, 673 w, 648 w, 621 w, 588 w,561 w, 532 w, 500 w. MS (DEI (%)): m/z = 656 ( $M^+$ , 5), 614 ([M - iPr]<sup>+</sup>, 4), 300 (22), 257 (100), 171 (58). Elemental analysis (C<sub>36</sub>H<sub>54</sub>N<sub>4</sub>NiSi<sub>2</sub>; 657,71 g mol<sup>-1</sup>): calcd. C 65.74, H 8.28, N 8.52; found C 62.82, H 9.00, N 7.48.

## **S3. Refinement**

All hydrogen atoms were set to idealized positions and refined with 1.2 times (1.5 for methyl groups) the isotropic displacement parameter of the corresponding carbon atom.



# Figure 1

Molecular structure of **I**. Displacement ellipsoids are drawn at the 40% probability level. H atoms have been omitted for clarity.

# Bis(N-triisopropylsilylquinolin-8-aminato)nickel(II)

Crystal data	
$[Ni(C_{18}H_{27}N_2Si)_2]$	Z = 4
$M_r = 657.72$	F(000) = 1416
Triclinic, $P\overline{1}$	$D_{\rm x} = 1.227 {\rm ~Mg} {\rm ~m}^{-3}$
Hall symbol: -P 1	Mo <i>K</i> $\alpha$ radiation, $\lambda = 0.71073$ Å
a = 12.3062 (5)  Å	Cell parameters from 25470 reflections
b = 17.7015 (5) Å	$\theta = 2.0-27.5^{\circ}$
c = 18.4194 (6) Å	$\mu = 0.64  ext{ mm}^{-1}$
$\alpha = 68.956 (2)^{\circ}$	T = 183  K
$\beta = 72.025 \ (2)^{\circ}$	Prism, brown
$\gamma = 85.540 \ (2)^{\circ}$	$0.04 \times 0.04 \times 0.04$ mm
V = 3559.6 (2) Å <sup>3</sup>	

Data collection

Nonius KappaCCD diffractometer Radiation source: fine-focus sealed tube Graphite monochromator phi $- + \omega$ -scan 25470 measured reflections 15935 independent reflections	12031 reflections with $I > 2\sigma(I)$ $R_{int} = 0.034$ $\theta_{max} = 27.5^{\circ}, \ \theta_{min} = 2.0^{\circ}$ $h = -15 \rightarrow 14$ $k = -22 \rightarrow 21$ $l = -23 \rightarrow 21$
Refinement	
Refinement on $F^2$ Least-squares matrix: full $R[F^2 > 2\sigma(F^2)] = 0.047$ $wR(F^2) = 0.123$ S = 1.02 15935 reflections 799 parameters 0 restraints Primary atom site location: structure-invariant direct methods	Secondary atom site location: difference Fourier map Hydrogen site location: inferred from neighbouring sites H-atom parameters constrained $w = 1/[\sigma^2(F_o^2) + (0.0507P)^2 + 2.9757P]$ where $P = (F_o^2 + 2F_c^2)/3$ $(\Delta/\sigma)_{max} = 0.001$ $\Delta\rho_{max} = 0.50$ e Å <sup>-3</sup> $\Delta\rho_{min} = -0.44$ e Å <sup>-3</sup>

### Special details

**Geometry**. All e.s.d.'s (except the e.s.d. in the dihedral angle between two l.s. planes) are estimated using the full covariance matrix. The cell e.s.d.'s are taken into account individually in the estimation of e.s.d.'s in distances, angles and torsion angles; correlations between e.s.d.'s in cell parameters are only used when they are defined by crystal symmetry. An approximate (isotropic) treatment of cell e.s.d.'s is used for estimating e.s.d.'s involving l.s. planes.

**Refinement**. Refinement of  $F^2$  against ALL reflections. The weighted *R*-factor *wR* and goodness of fit *S* are based on  $F^2$ , conventional *R*-factors *R* are based on *F*, with *F* set to zero for negative  $F^2$ . The threshold expression of  $F^2 > \sigma(F^2)$  is used only for calculating *R*-factors(gt) *etc.* and is not relevant to the choice of reflections for refinement. *R*-factors based on  $F^2$  are statistically about twice as large as those based on *F*, and *R*- factors based on ALL data will be even larger.

Fractional atomic coordinates and isotropic or equivalent isotropic displacement parameters  $(\mathring{A}^2)$ 

	x	у	Ζ	$U_{ m iso}$ */ $U_{ m eq}$	
Ni1A	0.22671 (3)	0.404287 (18)	0.365455 (19)	0.02670 (8)	
SilA	0.31556 (6)	0.30222 (4)	0.52291 (4)	0.02685 (15)	
Si2A	0.28061 (6)	0.60410 (4)	0.27705 (4)	0.02624 (15)	
N1A	0.06609 (18)	0.36971 (12)	0.38461 (13)	0.0289 (4)	
N2A	0.20579 (17)	0.32527 (12)	0.47700 (12)	0.0262 (4)	
N3A	0.30614 (18)	0.35165 (12)	0.28448 (13)	0.0294 (5)	
N4A	0.30124 (18)	0.50415 (12)	0.27932 (12)	0.0270 (4)	
C1A	0.0024 (2)	0.39528 (16)	0.33440 (17)	0.0353 (6)	
H1AA	0.0335	0.4361	0.2825	0.042*	
C2A	-0.1088 (2)	0.36428 (18)	0.35519 (18)	0.0394 (6)	
H2AA	-0.1527	0.3838	0.3183	0.047*	
C3A	-0.1527 (2)	0.30520 (17)	0.42981 (18)	0.0360 (6)	
H3AA	-0.2282	0.2840	0.4451	0.043*	
C4A	-0.0872 (2)	0.27538 (15)	0.48434 (16)	0.0296 (5)	
C5A	-0.1253 (2)	0.21290 (16)	0.56120 (17)	0.0338 (6)	
H5AA	-0.1997	0.1886	0.5800	0.041*	
C6A	-0.0529 (2)	0.18804 (16)	0.60827 (17)	0.0347 (6)	

H6AA	-0.0780	0.1456	0.6597	0.042*
C7A	0.0574 (2)	0.22324 (15)	0.58293 (16)	0.0314 (5)
H7AA	0.1040	0.2037	0.6180	0.038*
C8A	0.1011 (2)	0.28572 (14)	0.50834 (15)	0.0266 (5)
C9A	0.0240 (2)	0.31006 (14)	0.45882 (15)	0.0270 (5)
C10A	0.3044 (2)	0.27422 (16)	0.29294 (18)	0.0352 (6)
H10A	0.2504	0.2379	0.3391	0.042*
C11A	0.3797 (2)	0.24414 (16)	0.23586 (19)	0.0378 (6)
H11A	0.3772	0.1882	0.2436	0.045*
C12A	0.4564 (2)	0.29635 (17)	0.16916 (18)	0.0368 (6)
H12A	0.5082	0.2765	0.1304	0.044*
C13A	0.4596 (2)	0.38015 (16)	0.15709 (16)	0.0311 (5)
C14A	0.5352 (2)	0.43815 (17)	0.08965 (16)	0.0358 (6)
H14A	0.5890	0.4227	0.0483	0.043*
C15A	0.5295 (2)	0.51736 (17)	0.08480 (16)	0.0365 (6)
H15A	0.5798	0.5568	0.0390	0.044*
C16A	0.4522 (2)	0.54227 (16)	0.14508 (16)	0.0328 (6)
H16A	0.4513	0.5980	0.1385	0.039*
C17A	0.3765 (2)	0.48775 (15)	0.21454 (15)	0.0273 (5)
C18A	0.3817 (2)	0.40518 (15)	0.21780 (15)	0.0275 (5)
C19A	0.3501 (2)	0.19049 (15)	0.55095 (16)	0.0312 (5)
H19A	0.2868	0.1608	0.6007	0.037*
C20A	0.3507 (3)	0.15513 (17)	0.48601 (19)	0.0406 (7)
H20A	0.3658	0.0972	0.5053	0.061*
H20B	0.4104	0.1832	0.4352	0.061*
H20C	0.2761	0.1624	0.4761	0.061*
C21A	0.4609 (2)	0.17276 (17)	0.57561 (19)	0.0396 (6)
H21A	0.4732	0.1144	0.5922	0.059*
H21B	0.4541	0.1908	0.6212	0.059*
H21C	0.5257	0.2018	0.5291	0.059*
C22A	0.2903 (2)	0.32499 (15)	0.62029 (16)	0.0330 (6)
H22A	0.3671	0.3209	0.6291	0.040*
C23A	0.2123 (3)	0.2658 (2)	0.69940 (18)	0.0531 (8)
H23A	0.2176	0.2784	0.7459	0.080*
H23B	0.2361	0.2104	0.7053	0.080*
H23C	0.1331	0.2709	0.6977	0.080*
C24A	0.2552 (3)	0.41099 (17)	0.61376 (18)	0.0388 (6)
H24A	0.2546	0.4199	0.6634	0.058*
H24B	0.1786	0.4189	0.6072	0.058*
H24C	0.3098	0.4496	0.5664	0.058*
C25A	0.4425 (2)	0.37000 (15)	0.44380 (16)	0.0315 (6)
H25A	0.4095	0.4218	0.4161	0.038*
C26A	0.5281 (2)	0.39364 (18)	0.47874 (19)	0.0414 (7)
H26A	0.5888	0.4298	0.4340	0.062*
H26B	0.5618	0.3447	0.5081	0.062*
H26C	0.4882	0.4215	0.5163	0.062*
C27A	0.5117 (2)	0.33914 (18)	0.37565 (17)	0.0394 (6)
H27A	0.5618	0.3832	0.3314	0.059*

H27B         0.4594         0.3202         0.3545         0.059*           H27C         0.5582         0.2943         0.3775         0.059*           C28A         0.1732 (2)         0.6044 (15)         0.37508 (16)         0.0308 (5)           H28A         0.1690         0.6609         0.3727         0.037*           C29A         0.0512 (2)         0.57628 (17)         0.38801 (19)         0.0397 (6)           H29A         -0.0001         0.5831         0.4376         0.059*           H29B         0.0499         0.5192         0.3936         0.059*           H29C         0.0260         0.6093         0.3411         0.054*           H30B         0.2114 (3)         0.55495 (16)         0.44009 (16)         0.0329 (6)           H30A         0.1577         0.5623         0.4987         0.054*           G30A         0.2127         0.4974         0.4570         0.054*           G30A         0.2131         0.65828         0.2037         0.040*           C31A         0.4195 (2)         0.6577 (15)         0.26385 (16)         0.0329 (6)           H31A         0.4548         0.628         0.2037         0.404*           C32A         0.58					
H27C $0.5582$ $0.2943$ $0.3975$ $0.059*$ C28A $0.1732$ (2) $0.60344$ (15) $0.37508$ (16) $0.0308$ (5)H28A $0.0690$ $0.5727$ $0.037*$ C29A $0.0512$ (2) $0.57628$ (17) $0.38801$ (19) $0.0397$ (6)H29B $0.0499$ $0.5192$ $0.3366$ $0.059*$ H29C $0.0260$ $0.6093$ $0.3411$ $0.059*$ H29C $0.0260$ $0.6093$ $0.3411$ $0.059*$ G30A $0.2114$ (3) $0.55425$ $0.4509$ (16) $0.0363$ (6)H30A $0.1577$ $0.5623$ $0.4987$ $0.054*$ H30C $0.2127$ $0.4974$ $0.4475$ $0.054*$ G31A $0.4195$ (2) $0.65577$ (15) $0.26385$ (16) $0.0329$ (6)H31A $0.495$ (2) $0.5543$ $0.2705$ $0.067*$ H32B $0.5190$ $0.5543$ $0.2705$ $0.067*$ H32C $0.4816$ $0.5729$ $0.3535$ $0.067*$ H32C $0.4816$ $0.5729$ $0.3535$ $0.067*$ H33A $0.4021$ (3) $0.72383$ (17) $0.29984$ (19) $0.0431$ (7)H33A $0.3710$ $0.7004$ $0.3594$ $0.065*$ H33B $0.3710$ $0.7064$ $0.3594$ $0.065*$ H33B $0.3710$ $0.66770$ (15) $0.18740$ (16) $0.0340$ (6)H33A $0.2969$ $0.6860$ $0.1386$ $0.041*$ C33A $0.1496$ (3) $0.16974$ (13) $0.076*$ H35A $0.1399$ $0.6536$ $0.$	H27B	0.4594	0.3202	0.3545	0.059*
C28A $0.1732 (2)$ $0.60344 (15)$ $0.37508 (16)$ $0.0308 (5)$ H28A $0.1690$ $0.6609$ $0.3727$ $0.037*$ C29A $0.0512 (2)$ $0.57628 (17)$ $0.3801 (19)$ $0.0397 (6)$ H29A $-0.0011$ $0.5831$ $0.4376$ $0.059*$ H29E $0.0499$ $0.5192$ $0.3936$ $0.059*$ H29C $0.0260$ $0.6093$ $0.3411$ $0.059*$ H29C $0.0260$ $0.6093$ $0.3411$ $0.059*$ H30A $0.1577$ $0.5623$ $0.4987$ $0.054*$ H30B $0.2881$ $0.5742$ $0.4425$ $0.054*$ H30C $0.2127$ $0.4974$ $0.4570$ $0.054*$ H31A $0.4548$ $0.6828$ $0.2037$ $0.040*$ C32A $0.5084 (3)$ $0.59713 (19)$ $0.2939 (2)$ $0.0444 (7)$ H32A $0.5843$ $0.5729$ $0.3535$ $0.667*$ H32B $0.5190$ $0.5543$ $0.2705$ $0.067*$ H32C $0.4816$ $0.5729$ $0.3535$ $0.667*$ H33A $0.4757$ $0.7518$ $0.2851$ $0.065*$ H33B $0.3710$ $0.7004$ $0.3594$ $0.065*$ H33B $0.776$ $0.66770 (15)$ $0.18740 (16)$ $0.0340 (6)$ H34A $0.2969$ $0.6860$ $0.1386$ $0.041*$ C35A $0.1397$ $0.7525$ $0.2779$ $0.665*$ H33B $0.776$ $0.6770 (15)$ $0.18740 (16)$ $0.0340 (6)$ H34A $0.2969$ $0.6860$ $0.13$	H27C	0.5582	0.2943	0.3975	0.059*
H28A $0.1690$ $0.6609$ $0.3727$ $0.037^*$ C29A $0.0512$ (2) $0.57628$ (17) $0.38801$ (19) $0.0397$ (6)H29A $-0.0001$ $0.5831$ $0.4376$ $0.059^*$ H29B $0.0499$ $0.5192$ $0.3936$ $0.059^*$ C30A $0.2114$ (3) $0.55495$ (16) $0.4509$ (16) $0.0363$ (6)H30A $0.1577$ $0.5623$ $0.4987$ $0.054^*$ H30B $0.2881$ $0.5742$ $0.4425$ $0.054^*$ H30C $0.2127$ $0.4974$ $0.4570$ $0.054^*$ C31A $0.4195$ (2) $0.65577$ (15) $0.26385$ (16) $0.0329$ (2)H31A $0.4548$ $0.6258$ $0.2037$ $0.040^*$ C32A $0.5084$ (3) $0.59713$ (19) $0.2335$ $0.067^*$ H32A $0.5084$ (3) $0.59713$ (19) $0.2335$ $0.067^*$ H32A $0.5084$ (3) $0.59713$ (19) $0.2335$ $0.067^*$ H32A $0.4213$ $0.7252$ $0.335$ $0.067^*$ H32A $0.4213$ $0.7252$ $0.2767$ $0.665^*$ H33B $0.3710$ $0.7044$ $0.3594$ $0.065^*$ H33B $0.3710$ $0.7044$ $0.3594$ $0.065^*$ H33B $0.3710$ $0.66770$ (15) $0.18740$ (16) $0.3406$ (6)H34A $0.2969$ $0.6860$ $0.1386$ $0.041^*$ C35A $0.1496$ (3) $0.61987$ (18) $0.1671$ (2) $0.056^*$ H35B $0.0776$ $0.6536$ $0.1164$ $0.076^*$ H35	C28A	0.1732 (2)	0.60344 (15)	0.37508 (16)	0.0308 (5)
C29A $0.0512(2)$ $0.57628(17)$ $0.38801(19)$ $0.0397(6)$ H29A $-0.0001$ $0.5831$ $0.4376$ $0.059*$ H29B $0.0499$ $0.5192$ $0.3936$ $0.059*$ H29C $0.0260$ $0.6093$ $0.3411$ $0.059*$ C30A $0.2114(3)$ $0.55495(16)$ $0.4509(16)$ $0.0363(6)$ H30B $0.2881$ $0.5742$ $0.4425$ $0.054*$ H30C $0.2127$ $0.4974$ $0.4570$ $0.054*$ H30C $0.2127$ $0.4974$ $0.4570$ $0.054*$ H31A $0.4195(2)$ $0.65577(15)$ $0.26385(16)$ $0.0329(6)$ H31A $0.4195(2)$ $0.65777(15)$ $0.26385(16)$ $0.0329(6)$ H32A $0.5813$ $0.6268$ $0.2767$ $0.067*$ H32B $0.5190$ $0.5543$ $0.2705$ $0.667*$ H32B $0.5190$ $0.5543$ $0.2705$ $0.667*$ H33A $0.4757$ $0.7518$ $0.28811$ $0.665*$ H33C $0.3487$ $0.7625$ $0.2779$ $0.665*$ H33B $0.3710$ $0.7004$ $0.3594$ $0.065*$ H33C $0.3487$ $0.7625$ $0.2779$ $0.665*$ H33B $0.776$ $0.6676$ $0.1886$ $0.041*$ C35A $0.1496(3)$ $0.61987(18)$ $0.1671(2)$ $0.0505(8)$ H33B $0.1776$ $0.5710$ $0.1604$ $0.76*$ H35C $0.1875$ $0.2714$ $0.2463$ $0.669*$ H35A $0.1395$ $0.7778$ $0.2043$ <t< td=""><td>H28A</td><td>0.1690</td><td>0.6609</td><td>0.3727</td><td>0.037*</td></t<>	H28A	0.1690	0.6609	0.3727	0.037*
H29A $-0.0001$ $0.5831$ $0.4376$ $0.059^*$ H29B $0.0499$ $0.5192$ $0.3936$ $0.059^*$ H29C $0.0260$ $0.6093$ $0.3411$ $0.059^*$ C30A $0.2114$ (3) $0.55495$ (16) $0.45009$ (16) $0.0363$ (6)H30A $0.1577$ $0.5623$ $0.4987$ $0.054^*$ H30B $0.2881$ $0.5742$ $0.4425$ $0.054^*$ H30C $0.2127$ $0.4974$ $0.44570$ $0.054^*$ C31A $0.4195$ (2) $0.65577$ (15) $0.26385$ (16) $0.0329$ (6)H31A $0.4548$ $0.6828$ $0.2037$ $0.040^*$ C32A $0.5084$ (3) $0.59713$ (19) $0.2939$ (2) $0.0444$ (7)H32A $0.5813$ $0.6268$ $0.2767$ $0.667^*$ H32B $0.5190$ $0.5543$ $0.2705$ $0.067^*$ H32C $0.4816$ $0.5729$ $0.3535$ $0.067^*$ H33A $0.4757$ $0.7518$ $0.2881$ $0.065^*$ C33A $0.4021$ (3) $0.72383$ (17) $0.29984$ (19) $0.0431$ (7)H33B $0.3710$ $0.7004$ $0.3594$ $0.065^*$ C34A $0.2277$ (2) $0.6670$ (15) $0.18740$ (16) $0.0340$ (6)H34A $0.2269$ $0.6860$ $0.1386$ $0.041^*$ C35A $0.1496$ (3) $0.61987$ (18) $0.1671$ (2) $0.0505$ (8)H35B $0.0776$ $0.6645$ $0.2116$ $0.076^*$ H35B $0.0776$ $0.6455$ $0.2163$ $0.669^*$ H35B <td>C29A</td> <td>0.0512 (2)</td> <td>0.57628 (17)</td> <td>0.38801 (19)</td> <td>0.0397 (6)</td>	C29A	0.0512 (2)	0.57628 (17)	0.38801 (19)	0.0397 (6)
H29B         0.0499         0.5192         0.3936         0.059*           H29C         0.0260         0.6093         0.3411         0.059*           C30A         0.2114 (3)         0.55495 (16)         0.45009 (16)         0.0363 (6)           H30B         0.2881         0.5742         0.4425         0.054*           H30B         0.2127         0.4974         0.4570         0.0529 (6)           H31A         0.4195 (2)         0.65577 (15)         0.26385 (16)         0.0329 (6)           H31A         0.4458         0.6828         0.2037         0.040*           C32A         0.5084 (3)         0.59713 (19)         0.2939 (2)         0.0444 (7)           H32B         0.5190         0.5543         0.2705         0.067*           H32C         0.4816         0.5729         0.3355         0.067*           H33A         0.4021 (3)         0.72383 (17)         0.2984 (19)         0.0431 (7)           H33A         0.3487         0.7625         0.2779         0.065*           H33B         0.3710         0.7044         0.3594         0.065*           H33B         0.3710         0.18740 (16)         0.340 (6)           H34A         0.2969	H29A	-0.0001	0.5831	0.4376	0.059*
H29C         0.0260         0.6093         0.3411         0.059*           C30A         0.2114 (3)         0.55495 (16)         0.45009 (16)         0.0363 (6)           H30A         0.1577         0.5623         0.4987         0.054*           H30B         0.2811         0.5742         0.4425         0.054*           H30C         0.2127         0.4974         0.4570         0.0329 (6)           H31A         0.4548         0.6828         0.2037         0.040*           C32A         0.5084 (3)         0.59713 (19)         0.2939 (2)         0.0444 (7)           H32B         0.5190         0.5543         0.2705         0.067*           H32C         0.4816         0.5729         0.3535         0.067*           H33A         0.4757         0.7518         0.2851         0.065*           H33B         0.3710         0.7004         0.3594         0.065*           H33B         0.3710         0.7052         0.2779         0.065*           C34A         0.2277 (2)         0.66770 (15)         0.18740 (16)         0.340 (6)           H34A         0.2969         0.6860         0.1386         0.041*           C35A         0.1496 (3)	H29B	0.0499	0.5192	0.3936	0.059*
C30A $0.2114$ (3) $0.55495$ (16) $0.45009$ (16) $0.0363$ (6)H30A $0.1577$ $0.5623$ $0.4987$ $0.054*$ H30B $0.2881$ $0.5742$ $0.4425$ $0.054*$ C31A $0.4195$ (2) $0.65577$ (15) $0.26385$ (16) $0.0329$ (6)H31A $0.4548$ $0.6828$ $0.2037$ $0.040*$ C32A $0.5084$ (3) $0.59713$ (19) $0.2939$ (2) $0.0444$ (7)H32A $0.5813$ $0.6268$ $0.2767$ $0.667*$ H32B $0.5190$ $0.5543$ $0.2705$ $0.067*$ H32B $0.5190$ $0.5543$ $0.2705$ $0.067*$ H32A $0.4816$ $0.5729$ $0.3535$ $0.067*$ H33A $0.4021$ (3) $0.72383$ (17) $0.29984$ (19) $0.0431$ (7)H33A $0.4757$ $0.7518$ $0.2851$ $0.065*$ H33B $0.3710$ $0.7004$ $0.3594$ $0.065*$ H33C $0.3487$ $0.7625$ $0.2779$ $0.065*$ H33A $0.1339$ $0.6536$ $0.11840$ $0.076*$ H35A $0.1339$ $0.6536$ $0.1164$ $0.076*$ H35B $0.0776$ $0.6045$ $0.2116$ $0.076*$ H36B $0.2232$ $0.7778$ $0.2043$ $0.069*$ Ni1B $0.05109$ (3) $0.186465$ (18) $0.17978$ (2) $0.02737$ (9)Si2B $0.23432$ (6) $0.14247$ (4) $0.21518$ (4) $0.02792$ (15)Si2B $0.23432$ (6) $0.1779$ (4) $0.4647$ (13) $0.0299$ (5) <td< td=""><td>H29C</td><td>0.0260</td><td>0.6093</td><td>0.3411</td><td>0.059*</td></td<>	H29C	0.0260	0.6093	0.3411	0.059*
H30A0.15770.56230.49870.054*H30B0.28810.57420.44250.054*H30C0.21270.49740.45700.054*G31A0.4195 (2)0.65577 (15)0.26385 (16)0.0329 (6)H31A0.45480.68280.20370.040*C32A0.5084 (3)0.59713 (19)0.2939 (2)0.0444 (7)H32B0.51900.55430.27050.067*H32C0.48160.57290.35350.067*H32C0.48160.57290.35350.067*H33B0.37100.70440.35940.065*H33C0.34870.76250.27790.065*H33C0.34870.76250.27790.065*H33C0.34870.76250.27790.065*H33C0.496 (3)0.61987 (18)0.1671 (2)0.0505 (8)H35A0.13390.65360.11640.076*H35B0.07760.67100.16040.076*H35B0.1750.57100.16040.076*H36B0.22320.77780.20430.669*H36B0.22320.77780.20430.069*H36B0.22320.77780.20430.069*H36B0.22320.77780.20430.0277 (9)Si1B-0.21235 (6)0.14247 (4)0.21518 (4)0.0277 (9)Si2B0.2342 (6)0.1179 (4)0.24630.069*H36B0.2232 (6)0.14247 (12)0.12	C30A	0.2114 (3)	0.55495 (16)	0.45009 (16)	0.0363 (6)
H30B $0.2881$ $0.5742$ $0.4425$ $0.054*$ H30C $0.2127$ $0.4974$ $0.4570$ $0.054*$ C31A $0.4195$ (2) $0.65577$ (15) $0.26385$ (16) $0.0329$ (6)H31A $0.4548$ $0.6828$ $0.2037$ $0.040*$ C32A $0.5084$ (3) $0.59713$ (19) $0.2939$ (2) $0.0444$ (7)H32A $0.5813$ $0.6268$ $0.2767$ $0.067*$ H32B $0.5190$ $0.5543$ $0.2705$ $0.067*$ H32C $0.4816$ $0.5729$ $0.3535$ $0.067*$ C33A $0.4021$ (3) $0.72383$ (17) $0.29984$ (19) $0.0431$ (7)H33A $0.4757$ $0.7518$ $0.2851$ $0.065*$ H33B $0.3710$ $0.7004$ $0.3594$ $0.065*$ H33C $0.3487$ $0.7625$ $0.2779$ $0.065*$ H33A $0.4757$ $0.7625$ $0.2779$ $0.065*$ H33A $0.2277$ (2) $0.66770$ (15) $0.18740$ (16) $0.340$ (6)H34A $0.2969$ $0.6860$ $0.1386$ $0.041*$ C35A $0.1496$ (3) $0.61987$ (18) $0.1671$ (2) $0.0505$ (8)H35B $0.0776$ $0.6045$ $0.2116$ $0.076*$ H35B $0.0776$ $0.6045$ $0.2116$ $0.076*$ H35B $0.17776$ $0.7728$ $0.2043$ $0.669*$ H35B $0.2232$ $0.7778$ $0.2043$ $0.669*$ H35B $0.2135$ (6) $0.14247$ (4) $0.21518$ (4) $0.02724$ (15)Si1B $-0.21235$	H30A	0.1577	0.5623	0.4987	0.054*
H30C $0.2127$ $0.4974$ $0.4570$ $0.054^*$ C31A $0.4195$ (2) $0.65577$ (15) $0.26385$ (16) $0.0329$ (6)H31A $0.4548$ $0.6828$ $0.2037$ $0.040^*$ C32A $0.5084$ (3) $0.59713$ (19) $0.2939$ (2) $0.0444$ (7)H32A $0.5813$ $0.6268$ $0.2767$ $0.067^*$ H32B $0.5190$ $0.5543$ $0.2705$ $0.067^*$ C33A $0.4021$ (3) $0.72383$ (17) $0.29984$ (19) $0.0431$ (7)H33B $0.3710$ $0.7004$ $0.3594$ $0.665^*$ H33C $0.3487$ $0.7625$ $0.2779$ $0.065^*$ C34A $0.2277$ (2) $0.66770$ (15) $0.18740$ (16) $0.0340$ (6)H34A $0.2969$ $0.6860$ $0.1386$ $0.041^*$ C35A $0.1496$ (3) $0.61987$ (18) $0.1671$ (2) $0.5055$ (8)H35B $0.0776$ $0.6045$ $0.2116$ $0.076^*$ H35B $0.0776$ $0.6045$ $0.2116$ $0.076^*$ H35B $0.0776$ $0.6045$ $0.2116$ $0.076^*$ H35B $0.0776$ $0.5710$ $0.1604$ $0.076^*$ H36A $0.1457$ $0.7752$ $0.1496$ $0.069^*$ H36B $0.2232$ $0.7778$ $0.2043$ $0.069^*$ Ni1B $0.05709$ (3) $0.186465$ (18) $0.17978$ (2) $0.02737$ (9)Si1B $-0.21235$ (6) $0.14247$ (4) $0.21518$ (4) $0.0279$ (4)N3B $0.09058$ (18) $0.14248$ (12) $0.28678$ (13)<	H30B	0.2881	0.5742	0.4425	0.054*
C31A0.4195 (2)0.65577 (15)0.26385 (16)0.0329 (6)H31A0.45480.68280.20370.040*C32A0.5084 (3)0.59713 (19)0.2939 (2)0.0444 (7)H32A0.58130.62680.27670.067*H32B0.51900.55430.27050.067*H32C0.48160.57290.35350.067*C33A0.4021 (3)0.72383 (17)0.29984 (19)0.0431 (7)H33B0.37100.70040.35940.065*H33C0.34870.76250.27790.065*C34A0.2277 (2)0.66770 (15)0.18740 (16)0.0340 (6)H34A0.29690.68600.13860.041*C35A0.1496 (3)0.61987 (18)0.1671 (2)0.0505 (8)H35E0.07760.60450.21160.076*H35B0.07760.60450.21160.069*H36C0.1695 (3)0.774443 (17)0.1978 (2)0.0469*H36E0.22320.77780.20430.069*H36E0.22320.77780.20430.069*N11B0.05709 (3)0.186465 (18)0.1797 (4)0.02724 (15)N1B0.08118 (18)0.30640 (12)0.14648 (13)0.02792 (15)N1B0.08118 (18)0.30640 (12)0.14648 (13)0.0272 (15)N1B0.08118 (18)0.30640 (12)0.14648 (13)0.0277 (4)N3B0.09058 (18)0.14248 (12)0.28678 (13)0.0269 (15)N1B	H30C	0.2127	0.4974	0.4570	0.054*
H31A0.45480.68280.20370.040*C32A0.5084 (3)0.59713 (19)0.2939 (2)0.0444 (7)H32A0.58130.62680.27670.067*H32B0.51900.55430.27050.067*H32C0.48160.57290.35350.067*H33A0.4021 (3)0.72383 (17)0.29984 (19)0.0431 (7)H33A0.47570.75180.28510.065*H33B0.37100.70040.35940.065*C34A0.2277 (2)0.66770 (15)0.18740 (16)0.0340 (6)H34A0.29690.68600.13860.041*C35A0.1496 (3)0.61987 (18)0.1671 (2)0.0505 (8)H35B0.07760.60450.21160.076*H35B0.07760.60450.21160.076*H35B0.18750.57100.16040.076*H36B0.22320.77780.24630.069*H36B0.22320.77780.24630.069*H36B0.22320.77780.24630.069*H36B0.22320.77780.24630.069*H36B0.22320.77780.24630.02737 (9)Si1B-0.10220.72940.24630.029 (5)N2B-0.10400 (18)0.21276 (12)0.19249 (13)0.0277 (4)N3B0.09085 (18)0.14248 (12)0.28678 (13)0.0286 (4)N4B0.1822 (17)0.12248 (12)0.14446 (13)0.0296 (4) <tr< td=""><td>C31A</td><td>0.4195 (2)</td><td>0.65577 (15)</td><td>0.26385 (16)</td><td>0.0329 (6)</td></tr<>	C31A	0.4195 (2)	0.65577 (15)	0.26385 (16)	0.0329 (6)
C32A0.5084 (3)0.59713 (19)0.2939 (2)0.0444 (7)H32A0.58130.62680.27670.067*H32B0.51900.55430.27050.067*H32C0.48160.57290.35350.067*C33A0.4021 (3)0.72383 (17)0.29984 (19)0.0431 (7)H33A0.47570.75180.28510.065*H33B0.37100.70040.35940.065*C34A0.2277 (2)0.66770 (15)0.18740 (16)0.0340 (6)H34A0.29690.68600.13860.041*C35A0.1496 (3)0.61987 (18)0.1671 (2)0.0505 (8)H35B0.07760.60450.21160.076*H35C0.18750.57100.16040.076*H36B0.22320.77780.20430.069*H36B0.22320.77780.20430.069*H36B0.22320.77780.20430.069*Ni1B0.05709 (3)0.186455 (18)0.17978 (2)0.02737 (9)Ni1B0.08118 (18)0.30640 (12)0.14648 (13)0.0299 (5)N2B-0.10400 (18)0.21276 (12)0.19249 (13)0.0277 (4)N3B0.09058 (18)0.14248 (12)0.28678 (13)0.0266 (4)N440.24670.32120.12130.044*C2B0.1822 (3)0.43342 (17)0.09647 (18)0.0408 (7)H2BA0.25310.46220.07890.049*C3B0.829 (3)0.47395 (16) </td <td>H31A</td> <td>0.4548</td> <td>0.6828</td> <td>0.2037</td> <td>0.040*</td>	H31A	0.4548	0.6828	0.2037	0.040*
H32A $0.5813$ $0.6268$ $0.2767$ $0.067^*$ H32B $0.5190$ $0.5543$ $0.2705$ $0.067^*$ H32C $0.4816$ $0.5729$ $0.3535$ $0.067^*$ C33A $0.4021$ (3) $0.72383$ (17) $0.29984$ (19) $0.0431$ (7)H33B $0.3710$ $0.7004$ $0.3594$ $0.065^*$ H33C $0.3487$ $0.7625$ $0.2779$ $0.065^*$ C34A $0.2277$ (2) $0.66770$ (15) $0.18740$ (16) $0.0340$ (6)H34A $0.2969$ $0.6860$ $0.1386$ $0.041^*$ C35A $0.1496$ (3) $0.61987$ (18) $0.1671$ (2) $0.0505$ (8)H35B $0.0776$ $0.6045$ $0.2116$ $0.076^*$ H35B $0.0776$ $0.6045$ $0.2116$ $0.076^*$ H36A $0.1457$ $0.7752$ $0.1496$ $0.069^*$ H36B $0.2232$ $0.7778$ $0.2043$ $0.669^*$ Ni1B $0.05709$ (3) $0.186465$ (18) $0.17978$ (2) $0.02737$ (9)Si2B $0.23432$ (6) $0.1177$ (4) $0.21518$ (4) $0.02724$ (15)N1B $0.08118$ (18) $0.30640$ (12) $0.14647$ (13) $0.0296$ (4)N2B $-0.10400$ (18) $0.21276$ (12) $0.19249$ (13) $0.0277$ (4)N3B $0.09058$ (18) $0.14248$ (12) $0.28678$ (13) $0.0286$ (4)N4B $0.1822$ (3) $0.43342$ (17) $0.96477$ (18) $0.0498^*$ C2B $0.1822$ (3) $0.43342$ (17) $0.92467$ (18) $0.0299$ (5)N3B $0.0805$	C32A	0.5084 (3)	0.59713 (19)	0.2939 (2)	0.0444 (7)
H32B0.51900.55430.27050.067*H32C0.48160.57290.35350.067*C33A0.4021 (3)0.72383 (17)0.29984 (19)0.0431 (7)H33A0.47570.75180.28510.065*H33B0.37100.70040.35940.065*H33C0.34870.76250.27790.065*C34A0.2277 (2)0.66770 (15)0.18740 (16)0.0340 (6)H34A0.29690.68600.13860.041*C35A0.1496 (3)0.61987 (18)0.1671 (2)0.0505 (8)H35B0.07760.60450.21160.076*H35C0.18750.57100.16040.076*H36A0.14570.77520.14960.069*H36B0.22320.77780.20430.069*H36B0.22320.77780.24630.069*H36B0.22320.77240.24630.069*Ni1B0.08719 (3)0.186465 (18)0.17978 (2)0.02737 (9)Si1B $-0.21235$ (6)0.1127 (4)0.21518 (4)0.02724 (15)N2B $-0.10400$ (18)0.21276 (12)0.19249 (13)0.0277 (4)N3B0.0828 (18)0.14248 (12)0.14641 (13)0.0296 (5)N2B $-0.10400$ (18)0.21276 (12)0.19249 (13)0.0276 (15)N3B0.0829 (3)0.43342 (17)0.09647 (18)0.0448*C2B0.1822 (3)0.43342 (17)0.09647 (18)0.0408 (7)H38A0.085	H32A	0.5813	0.6268	0.2767	0.067*
H32C0.48160.57290.35350.067*C33A0.4021 (3)0.72383 (17)0.29984 (19)0.0431 (7)H33A0.47570.75180.28510.065*H33B0.37100.70040.35940.065*H33C0.34870.76250.27790.065*C34A0.2277 (2)0.66770 (15)0.18740 (16)0.0340 (6)H34A0.29690.68600.13860.041*C35A0.1496 (3)0.61987 (18)0.1671 (2)0.0505 (8)H35B0.07760.60450.21160.076*H35C0.18750.57100.16040.076*H35C0.18750.57100.16040.069*H36B0.22320.77780.20430.069*H36B0.22320.77780.24630.069*Ni1B0.05709 (3)0.186465 (18)0.17978 (2)0.02737 (9)Si2B0.23432 (6)0.11779 (4)0.02724 (15)0.2274 (15)Ni2B-0.10400 (18)0.21276 (12)0.19249 (13)0.0277 (4)N3B0.09058 (18)0.14248 (12)0.28678 (13)0.0266 (4)N4B0.1822 (3)0.34342 (17)0.09647 (18)0.0408 (7)H2BA0.225310.46220.07890.049*C3B0.0829 (3)0.47395 (16)0.09732 (18)0.0393 (6)H36B0.2232 (1)0.3417 (15)0.12615 (16)0.0323 (6)C3B-0.13480.53150.07840.047*C4B-0.0228 (2	H32B	0.5190	0.5543	0.2705	0.067*
C33A0.4021 (3)0.72383 (17)0.29984 (19)0.0431 (7)H33A0.47570.75180.28510.065*H33B0.37100.70040.35940.065*H33C0.34870.76250.27790.065*C34A0.2277 (2)0.66770 (15)0.18740 (16)0.0340 (6)H34A0.29690.68600.13860.041*C35A0.1496 (3)0.61987 (18)0.1671 (2)0.0505 (8)H35B0.07760.60450.21160.076*H35B0.07760.60450.21160.076*H35C0.18750.57100.16040.069*H36A0.14570.77520.14960.069*H36B0.22320.77780.24630.069*H36B0.22320.77840.24630.069*Ni1B0.05709 (3)0.18645 (18)0.17978 (2)0.02737 (9)Si1B-0.21235 (6)0.14247 (4)0.21518 (4)0.02792 (15)Si2B0.23432 (6)0.11779 (4)0.04677 (4)0.02724 (15)N1B0.08118 (18)0.30640 (12)0.14468 (13)0.0299 (5)N2B-0.10400 (18)0.21276 (12)0.19249 (13)0.0277 (4)N3B0.09058 (18)0.14248 (12)0.28678 (13)0.0286 (4)C1B0.175 (2)0.34911 (17)0.12183 (17)0.0365 (6)H36A0.175 (2)0.34911 (17)0.121310.044*C2B0.1822 (3)0.43342 (17)0.09647 (18)0.044*	H32C	0.4816	0.5729	0.3535	0.067*
H3A $0.4757$ $0.7518$ $0.2851$ $0.065^*$ H33B $0.3710$ $0.704$ $0.3594$ $0.065^*$ H33C $0.3487$ $0.7625$ $0.2779$ $0.065^*$ C34A $0.2277 (2)$ $0.66770 (15)$ $0.18740 (16)$ $0.0340 (6)$ H34A $0.2969$ $0.6860$ $0.1386$ $0.041^*$ C35A $0.1496 (3)$ $0.61987 (18)$ $0.1671 (2)$ $0.0505 (8)$ H35B $0.0776$ $0.6045$ $0.2116$ $0.076^*$ H35C $0.1875$ $0.5710$ $0.1604$ $0.076^*$ H35C $0.1875$ $0.5710$ $0.1604$ $0.076^*$ H36A $0.1457$ $0.7752$ $0.1496$ $0.069^*$ H36B $0.2232$ $0.7778$ $0.2043$ $0.069^*$ H36B $0.2232$ $0.7778$ $0.2043$ $0.069^*$ Ni1B $0.05709 (3)$ $0.18465 (18)$ $0.17978 (2)$ $0.02737 (9)$ Si1B $-0.21235 (6)$ $0.14247 (4)$ $0.21518 (4)$ $0.02792 (15)$ N2B $-0.10400 (18)$ $0.21276 (12)$ $0.19249 (13)$ $0.0277 (4)$ N3B $0.90958 (18)$ $0.14248 (12)$ $0.28678 (13)$ $0.0286 (4)$ N4B $0.18624 (17)$ $0.12248 (12)$ $0.14461 (13)$ $0.0299 (4)$ C1B $0.175 (2)$ $0.34911 (17)$ $0.12133 (0.044^*$ C2B $0.829 (3)$ $0.47395 (16)$ $0.09732 (18)$ $0.0393 (6)$ H3BA $0.0850$ $0.5315$ $0.0784$ $0.047^*$ C4B $-0.0228 (2)$ $0.44322 (16)$ <th< td=""><td>C33A</td><td>0.4021 (3)</td><td>0.72383 (17)</td><td>0.29984 (19)</td><td>0.0431 (7)</td></th<>	C33A	0.4021 (3)	0.72383 (17)	0.29984 (19)	0.0431 (7)
H33B0.37100.7040.35940.065*H33C0.34870.76250.27790.065*C34A0.2277 (2)0.66770 (15)0.18740 (16)0.0340 (6)H34A0.29690.68600.13860.041*C35A0.1496 (3)0.61987 (18)0.1671 (2)0.0505 (8)H35A0.13390.65360.11640.076*H35B0.07760.60450.21160.076*C36A0.1695 (3)0.74443 (17)0.1978 (2)0.0462 (7)H36B0.22320.77780.20430.069*H36B0.22320.77780.20430.069*H36C0.10220.72940.24630.0292 (15)Si2B0.23432 (6)0.11779 (4)0.04677 (4)0.02792 (15)Si2B0.23432 (6)0.11779 (4)0.04677 (4)0.0279 (15)N1B0.08118 (18)0.30640 (12)0.14648 (13)0.0299 (5)N2B-0.10400 (18)0.21276 (12)0.19249 (13)0.0277 (4)N3B0.09058 (18)0.14248 (12)0.28678 (13)0.0286 (4)N4B0.18624 (17)0.12248 (12)0.14461 (13)0.0269 (4)C1B0.1775 (2)0.34911 (17)0.12183 (17)0.0365 (6)H1BA0.24670.32120.12130.044*C2B0.1822 (3)0.43342 (17)0.09647 (18)0.0408 (7)H2BA0.25310.46220.07890.049*C3B0.0829 (3)0.47395 (16)0.09732 (18)0.0393 (6)	H33A	0.4757	0.7518	0.2851	0.065*
H3CH3CH3CH3CH3CH3C0.34870.76250.27790.065*C34A0.2277 (2)0.66770 (15)0.18740 (16)0.0340 (6)H34A0.29690.68600.13860.041*C35A0.1496 (3)0.61987 (18)0.1671 (2)0.0505 (8)H35B0.07760.60450.21160.076*H35B0.07760.60450.21160.076*C36A0.1695 (3)0.74443 (17)0.1978 (2)0.0462 (7)H36B0.22320.77780.20430.069*H36C0.10220.72940.24630.069*Ni1B0.05709 (3)0.186465 (18)0.17978 (2)0.02737 (9)Si1B $-0.21235$ (6)0.11779 (4)0.04677 (4)0.02792 (15)Si2B0.23432 (6)0.11779 (4)0.04677 (4)0.0279 (15)N1B0.08118 (18)0.30640 (12)0.14648 (13)0.0299 (5)N2B $-0.10400$ (18)0.21276 (12)0.19249 (13)0.0277 (4)N3B0.09058 (18)0.14248 (12)0.28678 (13)0.0266 (4)N4B0.18624 (17)0.12248 (12)0.14461 (13)0.0269 (4)C1B0.1775 (2)0.34911 (17)0.12183 (17)0.0365 (6)H1BA0.24670.32120.12130.044*C2B0.1822 (3)0.43342 (17)0.09647 (18)0.0408 (7)H2BA0.25310.46220.07890.049*C3B0.08500.53150.07840.047*<	H33B	0.3710	0.7004	0.3594	0.065*
C34A0.2277 (2)0.66770 (15)0.18740 (16)0.0340 (6)H34A0.29690.68600.13860.041*C35A0.1496 (3)0.61987 (18)0.1671 (2)0.0505 (8)H35A0.13390.65360.11640.076*H35B0.07760.60450.21160.076*H35C0.18750.57100.16040.076*C36A0.1695 (3)0.74443 (17)0.1978 (2)0.0462 (7)H36B0.22320.77780.20430.069*H36C0.10220.72940.24630.069*Ni1B0.05709 (3)0.186465 (18)0.17978 (2)0.02737 (9)Si1B $-0.21235$ (6)0.14247 (4)0.21518 (4)0.02792 (15)Si2B0.23432 (6)0.11779 (4)0.04677 (4)0.02724 (15)N1B0.08118 (18)0.30640 (12)0.14648 (13)0.0299 (5)N2B $-0.10400$ (18)0.21276 (12)0.19249 (13)0.0277 (4)N3B0.9058 (18)0.14248 (12)0.28678 (13)0.0266 (4)N4B0.18624 (17)0.12248 (12)0.14461 (13)0.0269 (4)C1B0.1775 (2)0.34911 (17)0.12183 (17)0.0365 (6)H1BA0.24670.32120.12130.044*C2B0.1822 (3)0.43342 (17)0.09647 (18)0.0498 (7)H2BA0.25310.46220.07890.049*C3B0.0829 (3)0.47395 (16)0.09732 (18)0.0393 (6)H3BA0.08500.5315 <t< td=""><td>H33C</td><td>0.3487</td><td>0.7625</td><td>0.2779</td><td>0.065*</td></t<>	H33C	0.3487	0.7625	0.2779	0.065*
H34A0.29690.68600.13860.041*C35A0.1496 (3)0.61987 (18)0.1671 (2)0.0505 (8)H35A0.13390.65360.11640.076*H35B0.07760.60450.21160.076*H35C0.18750.57100.16040.076*C36A0.1695 (3)0.74443 (17)0.1978 (2)0.0462 (7)H36B0.22320.77780.20430.069*H36B0.22320.77780.20430.069*Ni1B0.05709 (3)0.18465 (18)0.17978 (2)0.02737 (9)Si1B-0.21235 (6)0.14247 (4)0.21518 (4)0.02792 (15)Si2B0.23432 (6)0.11779 (4)0.04677 (4)0.02274 (15)N1B0.08118 (18)0.30640 (12)0.14648 (13)0.0299 (5)N2B-0.10400 (18)0.21276 (12)0.19249 (13)0.0277 (4)N3B0.09058 (18)0.14248 (12)0.28678 (13)0.0266 (4)N4B0.18624 (17)0.12248 (12)0.14461 (13)0.0269 (4)C1B0.1775 (2)0.34911 (17)0.12183 (17)0.0365 (6)H1BA0.24670.32120.12130.044*C2B0.1822 (3)0.43342 (17)0.09647 (18)0.0408 (7)H2BA0.25310.46220.07890.049*C3B0.0829 (3)0.47395 (16)0.09732 (18)0.0393 (6)H3BA0.08500.53150.07840.047*C4B-0.0228 (2)0.43081 (15)0.12615 (16)<	C34A	0.2277 (2)	0.66770 (15)	0.18740 (16)	0.0340 (6)
C35A0.1496 (3)0.61987 (18)0.1671 (2)0.0505 (8)H35A0.13390.65360.11640.076*H35B0.07760.60450.21160.076*H35C0.18750.57100.16040.076*C36A0.1695 (3)0.74443 (17)0.1978 (2)0.0462 (7)H36B0.22320.77780.20430.069*H36C0.10220.72940.24630.069*Ni1B0.05709 (3)0.186465 (18)0.17978 (2)0.02737 (9)Si1B $-0.21235$ (6)0.14247 (4)0.21518 (4)0.02792 (15)Si2B0.23432 (6)0.11779 (4)0.04677 (4)0.02724 (15)N1B0.08118 (18)0.30640 (12)0.14648 (13)0.0299 (5)N2B $-0.10400$ (18)0.21276 (12)0.19249 (13)0.0277 (4)N3B0.09058 (18)0.14248 (12)0.28678 (13)0.0269 (4)C1B0.1775 (2)0.34911 (17)0.12183 (17)0.0365 (6)H1BA0.24670.32120.12130.044*C2B0.1822 (3)0.43342 (17)0.09647 (18)0.0408 (7)H2BA0.25310.46220.07890.049*C3B0.0829 (3)0.47395 (16)0.0732 (18)0.0393 (6)H3BA0.08500.53150.07840.047*C4B $-0.0228 (2)$ 0.43081 (15)0.12615 (16)0.0323 (6)C5B $-0.1300 (3)$ 0.46732 (16)0.13364 (19)0.0397 (7)H3BA $-0.0328 (2)$ 0.4	H34A	0.2969	0.6860	0.1386	0.041*
H35A0.13390.65360.11640.076*H35B0.07760.60450.21160.076*H35C0.18750.57100.16040.076*C36A0.1695 (3)0.74443 (17)0.1978 (2)0.0462 (7)H36B0.22320.77780.20430.069*H36B0.22320.77780.20430.069*H36B0.22320.77780.20430.069*H36B0.22320.77940.24630.069*Ni1B0.05709 (3)0.186465 (18)0.17978 (2)0.02737 (9)Si1B $-0.21235 (6)$ 0.11779 (4)0.21518 (4)0.02792 (15)Si2B0.23432 (6)0.11779 (4)0.04677 (4)0.02724 (15)N1B0.08118 (18)0.30640 (12)0.14648 (13)0.0299 (5)N2B $-0.10400 (18)$ 0.21276 (12)0.19249 (13)0.0277 (4)N3B0.09058 (18)0.14248 (12)0.28678 (13)0.0286 (4)N4B0.18624 (17)0.12248 (12)0.14461 (13)0.0269 (4)C1B0.1775 (2)0.34911 (17)0.12183 (17)0.0365 (6)H1BA0.24670.32120.12130.044*C2B0.1822 (3)0.43342 (17)0.09647 (18)0.049*C3B0.08500.53150.07840.047*C4B $-0.0228 (2)$ 0.43081 (15)0.12615 (16)0.0323 (6)C5B $-0.1300 (3)$ 0.46732 (16)0.13364 (19)0.0397 (7)H3BA $-0.0228 (2)$ 0.43081 (15)0.	C35A	0.1496 (3)	0.61987 (18)	0.1671 (2)	0.0505 (8)
H35B $0.0776$ $0.6045$ $0.2116$ $0.076^*$ H35C $0.1875$ $0.5710$ $0.1604$ $0.076^*$ C36A $0.1695(3)$ $0.74443(17)$ $0.1978(2)$ $0.0462(7)$ H36A $0.1457$ $0.7752$ $0.1496$ $0.069^*$ H36B $0.2232$ $0.7778$ $0.2043$ $0.669^*$ H36C $0.1022$ $0.7294$ $0.2463$ $0.069^*$ Ni1B $0.05709(3)$ $0.186465(18)$ $0.17978(2)$ $0.02737(9)$ Si1B $-0.21235(6)$ $0.14247(4)$ $0.21518(4)$ $0.02792(15)$ Si2B $0.23432(6)$ $0.11779(4)$ $0.04677(4)$ $0.02724(15)$ N1B $0.08118(18)$ $0.30640(12)$ $0.19249(13)$ $0.0277(4)$ N3B $0.09058(18)$ $0.14248(12)$ $0.28678(13)$ $0.0286(4)$ N4B $0.18624(17)$ $0.12248(12)$ $0.14461(13)$ $0.0269(4)$ C1B $0.1775(2)$ $0.34911(17)$ $0.12183(17)$ $0.0365(6)$ H1BA $0.2467$ $0.3212$ $0.1213$ $0.044*$ C2B $0.1822(3)$ $0.43342(17)$ $0.09647(18)$ $0.049*$ C3B $0.0850$ $0.5315$ $0.0784$ $0.047*$ C4B $-0.0228(2)$ $0.43081(15)$ $0.12615(16)$ $0.0323(6)$ C5B $-0.1300(3)$ $0.46732(16)$ $0.13364(19)$ $0.0397(7)$ H5BA $-0.1348$ $0.5245$ $0.1180$ $0.048*$	H35A	0.1339	0.6536	0.1164	0.076*
H35C $0.1875$ $0.5710$ $0.1604$ $0.076^*$ C36A $0.1695 (3)$ $0.74443 (17)$ $0.1978 (2)$ $0.0462 (7)$ H36A $0.1457$ $0.7752$ $0.1496$ $0.069^*$ H36B $0.2232$ $0.7778$ $0.2043$ $0.669^*$ H36C $0.1022$ $0.7294$ $0.2463$ $0.069^*$ Ni1B $0.05709 (3)$ $0.186465 (18)$ $0.17978 (2)$ $0.02737 (9)$ Si1B $-0.21235 (6)$ $0.14247 (4)$ $0.21518 (4)$ $0.02792 (15)$ Si2B $0.23432 (6)$ $0.11779 (4)$ $0.04677 (4)$ $0.02724 (15)$ N1B $0.08118 (18)$ $0.30640 (12)$ $0.14648 (13)$ $0.0299 (5)$ N2B $-0.10400 (18)$ $0.21276 (12)$ $0.19249 (13)$ $0.0277 (4)$ N3B $0.09058 (18)$ $0.14248 (12)$ $0.28678 (13)$ $0.0269 (4)$ C1B $0.1775 (2)$ $0.34911 (17)$ $0.12183 (17)$ $0.0365 (6)$ H1BA $0.2467$ $0.3212$ $0.1213$ $0.044*$ C2B $0.1822 (3)$ $0.43342 (17)$ $0.09647 (18)$ $0.0408 (7)$ H2BA $0.2531$ $0.4622$ $0.0789$ $0.049*$ C3B $0.0850$ $0.5315$ $0.0784$ $0.047*$ C4B $-0.0228 (2)$ $0.43081 (15)$ $0.12615 (16)$ $0.0323 (6)$ C5B $-0.1300 (3)$ $0.46732 (16)$ $0.13364 (19)$ $0.0397 (7)$ H5BA $-0.1348$ $0.5245$ $0.1180$ $0.048*$	H35B	0.0776	0.6045	0.2116	0.076*
C36A $0.1695 (3)$ $0.74443 (17)$ $0.1978 (2)$ $0.0462 (7)$ H36A $0.1457$ $0.7752$ $0.1496$ $0.069*$ H36B $0.2232$ $0.7778$ $0.2043$ $0.069*$ H36C $0.1022$ $0.7294$ $0.2463$ $0.069*$ Ni1B $0.0579 (3)$ $0.186465 (18)$ $0.17978 (2)$ $0.02737 (9)$ Si1B $-0.21235 (6)$ $0.14247 (4)$ $0.21518 (4)$ $0.02792 (15)$ Si2B $0.23432 (6)$ $0.11779 (4)$ $0.04677 (4)$ $0.02724 (15)$ N1B $0.08118 (18)$ $0.30640 (12)$ $0.14648 (13)$ $0.0299 (5)$ N2B $-0.10400 (18)$ $0.21276 (12)$ $0.19249 (13)$ $0.0277 (4)$ N3B $0.9058 (18)$ $0.14248 (12)$ $0.28678 (13)$ $0.0269 (4)$ C1B $0.1775 (2)$ $0.34911 (17)$ $0.12183 (17)$ $0.0365 (6)$ H1BA $0.2467$ $0.3212$ $0.1213$ $0.044*$ C2B $0.1822 (3)$ $0.43342 (17)$ $0.09647 (18)$ $0.0408 (7)$ H2BA $0.2531$ $0.4622$ $0.0789$ $0.049*$ C3B $0.0829 (3)$ $0.47395 (16)$ $0.09732 (18)$ $0.0393 (6)$ H3BA $0.0850$ $0.5315$ $0.0784$ $0.047*$ C4B $-0.0228 (2)$ $0.43081 (15)$ $0.12615 (16)$ $0.0323 (6)$ C5B $-0.1300 (3)$ $0.46732 (16)$ $0.13364 (19)$ $0.0397 (7)$ H5BA $-0.1348$ $0.5245$ $0.1180$ $0.048*$	H35C	0.1875	0.5710	0.1604	0.076*
H36A0.14570.77520.14960.069*H36B0.22320.77780.20430.069*H36C0.10220.72940.24630.069*Ni1B0.05709 (3)0.186465 (18)0.17978 (2)0.02737 (9)Si1B-0.21235 (6)0.14247 (4)0.21518 (4)0.02792 (15)Si2B0.23432 (6)0.11779 (4)0.04677 (4)0.02724 (15)N1B0.08118 (18)0.30640 (12)0.14648 (13)0.0299 (5)N2B-0.10400 (18)0.21276 (12)0.19249 (13)0.0277 (4)N3B0.09058 (18)0.14248 (12)0.28678 (13)0.0269 (4)C1B0.1775 (2)0.34911 (17)0.12183 (17)0.0365 (6)H1BA0.24670.32120.12130.044*C2B0.1822 (3)0.43342 (17)0.09647 (18)0.0408 (7)H2BA0.25310.46220.07890.049*C3B0.0829 (3)0.47395 (16)0.09732 (18)0.0393 (6)H3BA0.08500.53150.07840.047*C4B-0.0228 (2)0.43081 (15)0.12615 (16)0.0323 (6)C5B-0.1300 (3)0.46732 (16)0.13364 (19)0.0397 (7)H5BA-0.13480.52450.11800.048*	C36A	0.1695 (3)	0.74443 (17)	0.1978 (2)	0.0462 (7)
H36B $0.2232$ $0.7778$ $0.2043$ $0.069*$ H36C $0.1022$ $0.7294$ $0.2463$ $0.069*$ Ni1B $0.05709 (3)$ $0.186465 (18)$ $0.17978 (2)$ $0.02737 (9)$ Si1B $-0.21235 (6)$ $0.14247 (4)$ $0.21518 (4)$ $0.02792 (15)$ Si2B $0.23432 (6)$ $0.11779 (4)$ $0.04677 (4)$ $0.02724 (15)$ N1B $0.08118 (18)$ $0.30640 (12)$ $0.14648 (13)$ $0.0299 (5)$ N2B $-0.10400 (18)$ $0.21276 (12)$ $0.19249 (13)$ $0.0277 (4)$ N3B $0.09058 (18)$ $0.14248 (12)$ $0.28678 (13)$ $0.0269 (4)$ C1B $0.1775 (2)$ $0.34911 (17)$ $0.12183 (17)$ $0.0365 (6)$ H1BA $0.2467$ $0.3212$ $0.1213$ $0.044*$ C2B $0.1822 (3)$ $0.43342 (17)$ $0.09647 (18)$ $0.0499*$ C3B $0.0829 (3)$ $0.47395 (16)$ $0.09732 (18)$ $0.0393 (6)$ H3BA $0.0850$ $0.5315$ $0.0784$ $0.047*$ C4B $-0.0228 (2)$ $0.43081 (15)$ $0.12615 (16)$ $0.0323 (6)$ C5B $-0.1300 (3)$ $0.46732 (16)$ $0.13364 (19)$ $0.0397 (7)$ H5BA $-0.1348$ $0.5245$ $0.1180$ $0.048*$	H36A	0.1457	0.7752	0.1496	0.069*
H36C $0.1022$ $0.7294$ $0.2463$ $0.069*$ Ni1B $0.05709 (3)$ $0.186465 (18)$ $0.17978 (2)$ $0.02737 (9)$ Si1B $-0.21235 (6)$ $0.14247 (4)$ $0.21518 (4)$ $0.02792 (15)$ Si2B $0.23432 (6)$ $0.11779 (4)$ $0.04677 (4)$ $0.02724 (15)$ N1B $0.08118 (18)$ $0.30640 (12)$ $0.14648 (13)$ $0.0299 (5)$ N2B $-0.10400 (18)$ $0.21276 (12)$ $0.19249 (13)$ $0.0277 (4)$ N3B $0.09058 (18)$ $0.14248 (12)$ $0.28678 (13)$ $0.0269 (4)$ C1B $0.1775 (2)$ $0.34911 (17)$ $0.12183 (17)$ $0.0365 (6)$ H1BA $0.2467$ $0.3212$ $0.1213$ $0.044*$ C2B $0.1822 (3)$ $0.43342 (17)$ $0.09647 (18)$ $0.0408 (7)$ H2BA $0.2531$ $0.4622$ $0.0789$ $0.049*$ C3B $0.0829 (3)$ $0.47395 (16)$ $0.09732 (18)$ $0.0393 (6)$ H3BA $0.0850$ $0.5315$ $0.0784$ $0.047*$ C4B $-0.0228 (2)$ $0.43081 (15)$ $0.12615 (16)$ $0.0323 (6)$ C5B $-0.1300 (3)$ $0.46732 (16)$ $0.13364 (19)$ $0.0397 (7)$ H5BA $-0.1348$ $0.5245$ $0.1180$ $0.048*$	H36B	0.2232	0.7778	0.2043	0.069*
Ni1B0.05709 (3)0.186465 (18)0.17978 (2)0.02737 (9)Si1B-0.21235 (6)0.14247 (4)0.21518 (4)0.02792 (15)Si2B0.23432 (6)0.11779 (4)0.04677 (4)0.02724 (15)N1B0.08118 (18)0.30640 (12)0.14648 (13)0.0299 (5)N2B-0.10400 (18)0.21276 (12)0.19249 (13)0.0277 (4)N3B0.09058 (18)0.14248 (12)0.28678 (13)0.0286 (4)N4B0.18624 (17)0.12248 (12)0.14461 (13)0.0269 (4)C1B0.1775 (2)0.34911 (17)0.12183 (17)0.0365 (6)H1BA0.24670.32120.12130.044*C2B0.1822 (3)0.43342 (17)0.09647 (18)0.049*C3B0.0829 (3)0.47395 (16)0.09732 (18)0.0393 (6)H3BA0.08500.53150.07840.047*C4B-0.0228 (2)0.43081 (15)0.12615 (16)0.0323 (6)C5B-0.1300 (3)0.46732 (16)0.13364 (19)0.0397 (7)H5BA-0.13480.52450.11800.048*	H36C	0.1022	0.7294	0.2463	0.069*
Si1B-0.21235 (6)0.14247 (4)0.21518 (4)0.02792 (15)Si2B0.23432 (6)0.11779 (4)0.04677 (4)0.02724 (15)N1B0.08118 (18)0.30640 (12)0.14648 (13)0.0299 (5)N2B-0.10400 (18)0.21276 (12)0.19249 (13)0.0277 (4)N3B0.09058 (18)0.14248 (12)0.28678 (13)0.0286 (4)N4B0.18624 (17)0.12248 (12)0.14461 (13)0.0269 (4)C1B0.1775 (2)0.34911 (17)0.12183 (17)0.0365 (6)H1BA0.24670.32120.12130.044*C2B0.1822 (3)0.43342 (17)0.09647 (18)0.0408 (7)H2BA0.25310.46220.07890.049*C3B0.08500.53150.07840.047*C4B-0.0228 (2)0.43081 (15)0.12615 (16)0.0323 (6)C5B-0.1300 (3)0.46732 (16)0.13364 (19)0.0397 (7)H5BA-0.13480.52450.11800.048*	Ni1B	0.05709 (3)	0.186465 (18)	0.17978 (2)	0.02737 (9)
Si2B0.23432 (6)0.11779 (4)0.04677 (4)0.02724 (15)N1B0.08118 (18)0.30640 (12)0.14648 (13)0.0299 (5)N2B-0.10400 (18)0.21276 (12)0.19249 (13)0.0277 (4)N3B0.09058 (18)0.14248 (12)0.28678 (13)0.0286 (4)N4B0.18624 (17)0.12248 (12)0.14461 (13)0.0269 (4)C1B0.1775 (2)0.34911 (17)0.12183 (17)0.0365 (6)H1BA0.24670.32120.12130.044*C2B0.1822 (3)0.43342 (17)0.09647 (18)0.0408 (7)H2BA0.25310.46220.07890.049*C3B0.0829 (3)0.47395 (16)0.09732 (18)0.0393 (6)H3BA0.08500.53150.07840.047*C4B-0.0228 (2)0.43081 (15)0.12615 (16)0.0323 (6)C5B-0.1300 (3)0.46732 (16)0.13364 (19)0.0397 (7)H5BA-0.13480.52450.11800.048*	Si1B	-0.21235 (6)	0.14247 (4)	0.21518 (4)	0.02792 (15)
N1B0.08118 (18)0.30640 (12)0.14648 (13)0.0299 (5)N2B-0.10400 (18)0.21276 (12)0.19249 (13)0.0277 (4)N3B0.09058 (18)0.14248 (12)0.28678 (13)0.0286 (4)N4B0.18624 (17)0.12248 (12)0.14461 (13)0.0269 (4)C1B0.1775 (2)0.34911 (17)0.12183 (17)0.0365 (6)H1BA0.24670.32120.12130.044*C2B0.1822 (3)0.43342 (17)0.09647 (18)0.0408 (7)H2BA0.25310.46220.07890.049*C3B0.0829 (3)0.47395 (16)0.09732 (18)0.0393 (6)H3BA0.08500.53150.07840.047*C4B-0.0228 (2)0.43081 (15)0.12615 (16)0.0323 (6)C5B-0.1300 (3)0.46732 (16)0.13364 (19)0.0397 (7)H5BA-0.13480.52450.11800.048*	Si2B	0.23432 (6)	0.11779 (4)	0.04677 (4)	0.02724 (15)
N2B-0.10400 (18)0.21276 (12)0.19249 (13)0.0277 (4)N3B0.09058 (18)0.14248 (12)0.28678 (13)0.0286 (4)N4B0.18624 (17)0.12248 (12)0.14461 (13)0.0269 (4)C1B0.1775 (2)0.34911 (17)0.12183 (17)0.0365 (6)H1BA0.24670.32120.12130.044*C2B0.1822 (3)0.43342 (17)0.09647 (18)0.0408 (7)H2BA0.25310.46220.07890.049*C3B0.0829 (3)0.47395 (16)0.09732 (18)0.0393 (6)H3BA0.08500.53150.07840.047*C4B-0.0228 (2)0.43081 (15)0.12615 (16)0.0323 (6)C5B-0.1300 (3)0.46732 (16)0.13364 (19)0.0397 (7)H5BA-0.13480.52450.11800.048*	N1B	0.08118 (18)	0.30640 (12)	0.14648 (13)	0.0299 (5)
N3B0.09058 (18)0.14248 (12)0.28678 (13)0.0286 (4)N4B0.18624 (17)0.12248 (12)0.14461 (13)0.0269 (4)C1B0.1775 (2)0.34911 (17)0.12183 (17)0.0365 (6)H1BA0.24670.32120.12130.044*C2B0.1822 (3)0.43342 (17)0.09647 (18)0.0408 (7)H2BA0.25310.46220.07890.049*C3B0.0829 (3)0.47395 (16)0.09732 (18)0.0393 (6)H3BA0.08500.53150.07840.047*C4B-0.0228 (2)0.43081 (15)0.12615 (16)0.0323 (6)C5B-0.1300 (3)0.46732 (16)0.13364 (19)0.0397 (7)H5BA-0.13480.52450.11800.048*	N2B	-0.10400 (18)	0.21276 (12)	0.19249 (13)	0.0277 (4)
N4B0.18624 (17)0.12248 (12)0.14461 (13)0.0269 (4)C1B0.1775 (2)0.34911 (17)0.12183 (17)0.0365 (6)H1BA0.24670.32120.12130.044*C2B0.1822 (3)0.43342 (17)0.09647 (18)0.0408 (7)H2BA0.25310.46220.07890.049*C3B0.0829 (3)0.47395 (16)0.09732 (18)0.0393 (6)H3BA0.08500.53150.07840.047*C4B-0.0228 (2)0.43081 (15)0.12615 (16)0.0323 (6)C5B-0.1300 (3)0.46732 (16)0.13364 (19)0.0397 (7)H5BA-0.13480.52450.11800.048*	N3B	0.09058 (18)	0.14248 (12)	0.28678 (13)	0.0286 (4)
C1B0.1775 (2)0.34911 (17)0.12183 (17)0.0365 (6)H1BA0.24670.32120.12130.044*C2B0.1822 (3)0.43342 (17)0.09647 (18)0.0408 (7)H2BA0.25310.46220.07890.049*C3B0.0829 (3)0.47395 (16)0.09732 (18)0.0393 (6)H3BA0.08500.53150.07840.047*C4B-0.0228 (2)0.43081 (15)0.12615 (16)0.0323 (6)C5B-0.1300 (3)0.46732 (16)0.13364 (19)0.0397 (7)H5BA-0.13480.52450.11800.048*	N4B	0.18624 (17)	0.12248 (12)	0.14461 (13)	0.0269 (4)
H1BA0.24670.32120.12130.044*C2B0.1822 (3)0.43342 (17)0.09647 (18)0.0408 (7)H2BA0.25310.46220.07890.049*C3B0.0829 (3)0.47395 (16)0.09732 (18)0.0393 (6)H3BA0.08500.53150.07840.047*C4B-0.0228 (2)0.43081 (15)0.12615 (16)0.0323 (6)C5B-0.1300 (3)0.46732 (16)0.13364 (19)0.0397 (7)H5BA-0.13480.52450.11800.048*	C1B	0.1775 (2)	0.34911 (17)	0.12183 (17)	0.0365 (6)
C2B0.1822 (3)0.43342 (17)0.09647 (18)0.0408 (7)H2BA0.25310.46220.07890.049*C3B0.0829 (3)0.47395 (16)0.09732 (18)0.0393 (6)H3BA0.08500.53150.07840.047*C4B-0.0228 (2)0.43081 (15)0.12615 (16)0.0323 (6)C5B-0.1300 (3)0.46732 (16)0.13364 (19)0.0397 (7)H5BA-0.13480.52450.11800.048*	H1BA	0.2467	0.3212	0.1213	0.044*
H2BA0.25310.46220.07890.049*C3B0.0829 (3)0.47395 (16)0.09732 (18)0.0393 (6)H3BA0.08500.53150.07840.047*C4B-0.0228 (2)0.43081 (15)0.12615 (16)0.0323 (6)C5B-0.1300 (3)0.46732 (16)0.13364 (19)0.0397 (7)H5BA-0.13480.52450.11800.048*	C2B	0.1822 (3)	0.43342 (17)	0.09647 (18)	0.0408 (7)
C3B0.0829 (3)0.47395 (16)0.09732 (18)0.0393 (6)H3BA0.08500.53150.07840.047*C4B-0.0228 (2)0.43081 (15)0.12615 (16)0.0323 (6)C5B-0.1300 (3)0.46732 (16)0.13364 (19)0.0397 (7)H5BA-0.13480.52450.11800.048*	H2BA	0.2531	0.4622	0.0789	0.049*
H3BA0.08500.53150.07840.047*C4B-0.0228 (2)0.43081 (15)0.12615 (16)0.0323 (6)C5B-0.1300 (3)0.46732 (16)0.13364 (19)0.0397 (7)H5BA-0.13480.52450.11800.048*	C3B	0.0829 (3)	0.47395 (16)	0.09732 (18)	0.0393 (6)
C4B       -0.0228 (2)       0.43081 (15)       0.12615 (16)       0.0323 (6)         C5B       -0.1300 (3)       0.46732 (16)       0.13364 (19)       0.0397 (7)         H5BA       -0.1348       0.5245       0.1180       0.048*	H3BA	0.0850	0.5315	0.0784	0.047*
C5B       -0.1300 (3)       0.46732 (16)       0.13364 (19)       0.0397 (7)         H5BA       -0.1348       0.5245       0.1180       0.048*	C4B	-0.0228 (2)	0.43081 (15)	0.12615 (16)	0.0323 (6)
H5BA $-0.1348$ $0.5245$ $0.1180$ $0.048*$	C5B	-0.1300 (3)	0.46732 (16)	0.13364 (19)	0.0397 (7)
	H5BA	-0.1348	0.5245	0.1180	0.048*

Cost $-0.2991$ $0.4432$ $0.1705$ $0.046^{\circ}$ C7B $-0.2234$ (2) $0.33404$ (15) $0.18565$ (18) $0.0339$ (6)H7BA $-0.2932$ $0.3031$ $0.2069$ $0.041^{\circ}$ C8B $-0.1200$ (2) $0.29407$ (14) $0.17684$ (15) $0.02286$ (5)C9B $-0.0194$ (2) $0.34339$ (15) $0.14931$ (15) $0.02285$ (5)C10B $0.0365$ (2) $0.15432$ (17) $0.35555$ (17) $0.0359$ (6)H10B $-0.0224$ $0.1923$ $0.3557$ $0.043^{\circ}$ C11B $0.0626$ (3) $0.11292$ (17) $0.42832$ (17) $0.0339$ (6)H11B $0.0213$ $0.1223$ $0.4770$ $0.047^{\circ}$ C12B $0.1664$ $0.0302$ $0.4776$ $0.046^{\circ}$ C13B $0.2098$ (2) $0.04562$ (15) $0.35589$ (16) $0.0313$ (5)H4B $0.3226$ (2) $-0.00709$ (17) $0.34931$ (18) $0.0380$ (6)H4B $0.3226$ (2) $-0.01270$ (17) $0.27480$ (19) $0.0407$ (7)H5B $0.4562$ $-0.0378$ $0.3957$ $0.044^{\circ}$ C15B $0.3568$ (2) $-0.01270$ (17) $0.27480$ (19) $0.0407$ (7)H5B $0.4202$ $-0.0468$ $0.2701$ $0.049^{\circ}$ C17B $0.2337$ (2) $0.08064$ (14) $0.20711$ (15) $0.02268$ (5)C18B $0.1770$ (2) $0.08895$ (14) $0.28493$ (15) $0.274$ (5)C18B $0.1770$ (2) $0.08895$ (14) $0.28493$ (15) $0.0274$ (5)C18B $0.1770$ (2) $0.08895$ (14) <th>C6B</th> <th>-0.2269(2)</th> <th>0 41879 (16)</th> <th>0 16390 (19)</th> <th>0.0386 (6)</th>	C6B	-0.2269(2)	0 41879 (16)	0 16390 (19)	0.0386 (6)
$\begin{array}{ccccc} 778 & -0.2234 (2) & 0.33404 (15) & 0.18565 (18) & 0.0339 (6) \\ 178A & -0.2932 & 0.3031 & 0.2069 & 0.041* \\ C8B & -0.1200 (2) & 0.29407 (14) & 0.17684 (15) & 0.0286 (5) \\ C9B & -0.0194 (2) & 0.34539 (15) & 0.14931 (15) & 0.0285 (5) \\ C10B & 0.0365 (2) & 0.15432 (17) & 0.35555 (17) & 0.0359 (6) \\ 110B & -0.0224 & 0.1923 & 0.3557 & 0.047* \\ C11B & 0.0626 (3) & 0.11292 (17) & 0.42846 (17) & 0.0382 (6) \\ 111B & 0.0213 & 0.1223 & 0.4776 & 0.047* \\ C12B & 0.1483 (3) & 0.05889 (17) & 0.42846 (17) & 0.0382 (6) \\ 112B & 0.1664 & 0.0302 & 0.4776 & 0.046* \\ C13B & 0.2098 (2) & 0.04562 (15) & 0.35589 (16) & 0.0313 (5) \\ C14B & 0.3022 (2) & -0.00709 (17) & 0.34931 (18) & 0.0380 (6) \\ 114B & 0.3256 & -0.0170 (17) & 0.27480 (19) & 0.0407 (7) \\ 115B & 0.4202 & -0.0468 & 0.2701 & 0.043* \\ C16B & 0.3239 (2) & 0.02947 (16) & 0.20487 (17) & 0.0335 (6) \\ 116B & 0.3239 (2) & 0.02947 (16) & 0.21480 (19) & 0.0407 (7) \\ 115B & 0.4202 & -0.0468 & 0.2701 & 0.043* \\ C17B & 0.2307 (2) & 0.08064 (14) & 0.20711 (15) & 0.0268 (5) \\ C18B & 0.1770 (2) & 0.08895 (14) & 0.28493 (15) & 0.0274 (5) \\ C18B & 0.1770 (2) & 0.08895 (14) & 0.28493 (15) & 0.0274 (5) \\ C18B & 0.1700 (2) & 0.013621 (16) & 0.31244 (17) & 0.0349 (6) \\ H19B & -0.3836 & 0.1809 & 0.2968 & 0.042* \\ C20B & -0.2851 (3) & 0.1516 (2) & 0.37487 (19) & 0.0461 (7) \\ H20D & -0.3490 & 0.1509 & 0.4227 & 0.060* \\ C21B & -0.02445 & 0.2045 & 0.3500 & 0.069* \\ H20F & -0.2324 & 0.1092 & 0.3917 & 0.060* \\ C21B & -0.3649 & 0.01591 & 0.4000 & 0.669* \\ H21E & -0.3549 & 0.0114 & 0.3690 & 0.069* \\ H22B & -0.3641 & 0.2307 & 0.1225 & 0.043* \\ C23B & -0.1873 (3) & 0.1848 (17) & 0.12737 (17) & 0.0359 (6) \\ H22B & -0.3641 & 0.2307 & 0.1225 & 0.043* \\ C23B & -0.1873 (3) & 0.1848 (17) & 0.1373 (17) & 0.0359 (6) \\ H22B & -0.3641 & 0.2307 & 0.1225 & 0.043* \\ C24B & -0.3641 & 0.2307 & 0.1225 & 0.043* \\ C24B & -0.3631 & 0.06585 & 0.1813 & 0.044* \\ C26B & -0.1063 (3) & 0.00331 (17) & 0.3047 (2) & 0.0468 (8) \\ H24E & -0.4411 & 0.1239 & 0.1895 & 0.066* \\ H24E & -0.4411 & 0.1259 & 0.070* \\ H26E & -0.1756 $	H6BA	-0 2991	0.4432	0 1705	0.046*
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C7B	-0.2234(2)	0.33404 (15)	0.18565 (18)	0.0339 (6)
CSB $-0.1200 (2)$ $0.29407 (14)$ $0.17684 (15)$ $0.0286 (5)$ C9B $-0.0194 (2)$ $0.34539 (15)$ $0.14931 (15)$ $0.0285 (5)$ C10B $0.0365 (2)$ $0.15432 (17)$ $0.35555 (17)$ $0.0359 (6)$ H10B $-0.0224$ $0.1923$ $0.3557$ $0.043*$ C11B $0.0626 (3)$ $0.11292 (17)$ $0.42832 (17)$ $0.0390 (6)$ H11B $0.0213$ $0.1223$ $0.4770$ $0.044*$ C12B $0.1644$ $0.0302$ $0.4776$ $0.046*$ C13B $0.2098 (2)$ $0.04562 (15)$ $0.35589 (16)$ $0.0313 (5)$ C14B $0.3022 (2)$ $-0.00709 (17)$ $0.34931 (18)$ $0.0380 (6)$ H14B $0.3256$ $-0.0378$ $0.3957$ $0.046*$ C15B $0.3558 (2)$ $-0.01270 (17)$ $0.27480 (19)$ $0.0407 (7)$ H15B $0.4202$ $-0.0468$ $0.2071 0$ $0.0428 (17)$ C15B $0.3351 (2)$ $0.02947 (16)$ $0.20487 (17)$ $0.0335 (6)$ H16B $0.3657$ $0.0233$ $0.1547$ $0.404^{e}$ C17B $0.2307 (2)$ $0.08895 (14)$ $0.28493 (15)$ $0.0274 (5)$ C18B $0.1770 (2)$ $0.08895 (14)$ $0.28493 (15)$ $0.0274 (5)$ C19B $-0.3310 (2)$ $0.1562 (16)$ $0.31244 (17)$ $0.0349 (6)$ H19B $-0.3353 (0)$ $0.1669^{*}$ $0.2968$ $0.042^{*}$ C20B $-0.2445$ $0.2045$ $0.3500$ $0.069^{*}$ H20D $-0.3490$ $0.1509$ $0.4227$ $0.$	H7BA	-0.2932	0.3031	0.2069	0.041*
Cose $0.1125(2)$ $0.34539(15)$ $0.14931(15)$ $0.0228(5)$ C10B $0.0365(2)$ $0.15432(17)$ $0.35557$ $0.0359(6)$ H10B $-0.0224$ $0.1923$ $0.3557$ $0.0339(6)$ H11B $0.0626(3)$ $0.11292(17)$ $0.42832(17)$ $0.0390(6)$ H11B $0.0213$ $0.1223$ $0.4770$ $0.047*$ C12B $0.1483(3)$ $0.05889(17)$ $0.42832(17)$ $0.0382(6)$ H12B $0.1664$ $0.0302$ $0.4776$ $0.046*$ C13B $0.2098(2)$ $0.04562(15)$ $0.35589(16)$ $0.0313(5)$ C14B $0.3022(2)$ $-0.00709(17)$ $0.34931(18)$ $0.0380(6)$ H14B $0.3256$ $-0.0378$ $0.3957$ $0.046*$ C15B $0.3568(2)$ $-0.01270(17)$ $0.27480(19)$ $0.0407(7)$ H15B $0.4202$ $-0.0468$ $0.2701$ $0.049*$ C16B $0.3239(2)$ $0.02947(16)$ $0.20487(17)$ $0.0335(6)$ H16B $0.3657$ $0.0233$ $0.1547$ $0.040*$ C17B $0.2307(2)$ $0.08694(14)$ $0.20711(15)$ $0.0228(5)$ C18B $0.1770(2)$ $0.08895(14)$ $0.2968$ $0.042*$ C20B $-0.2324$ $0.1609$ $0.2968$ $0.042*$ C20B $-0.2324$ $0.1609$ $0.3500$ $0.069*$ H20F $-0.2445$ $0.2045$ $0.3500$ $0.069*$ H20F $-0.2445$ $0.2045$ $0.3500$ $0.069*$ H20F $-0.2445$ $0.2045$ $0.3500$ $0.0$	C8B	-0.1200(2)	0 29407 (14)	0 17684 (15)	0.0286 (5)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C9B	-0.0194(2)	0.34539(15)	0.14931 (15)	0.0285(5)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C10B	0.0191(2) 0.0365(2)	0.51535(15) 0.15432(17)	0.35555(17)	0.0359(6)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	H10B	-0.0224	0.1923	0.3557	0.043*
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C11B	0.0626 (3)	0.11292 (17)	0.3337 0.42832(17)	0.0390(6)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	HIIB	0.0213	0.1223	0.4770	0.0390 (0)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C12B	0.0213 0.1483 (3)	0.05889(17)	0.42846(17)	0.0382 (6)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	H12B	0.1664	0.0302	0.4776	0.046*
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C13B	0.1004 0.2098 (2)	0.0302 0.04562 (15)	0.35589 (16)	0.040 0.0313(5)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C14B	0.2000(2) 0.3022(2)	-0.00709(17)	0.34931(18)	0.0319(5)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	H14R	0.3256	-0.0378	0.3957	0.0366 (0)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C15B	0.3250	-0.01270(17)	0.27480 (19)	0.0407(7)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	H15B	0.4202	-0.0468	0.27400 (19)	0.0407 (7)
$\begin{array}{ccccccc} 0.0233 & 0.0237 (16) & 0.0234 (17) & 0.0036 (17) & 0.0069 & 0.0068 & 0.0066 & 0$	C16B	0.4202 0.3239(2)	0.02947 (16)	0.2701 0.20487 (17)	0.0335 (6)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	H16B	0.3657	0.0233	0.1547	0.0305 (0)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C17B	0.2307(2)	0.08064 (14)	0.1917 0.20711(15)	0.010 0.0268(5)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C18B	0.2307(2) 0.1770(2)	0.08895 (14)	0.28493(15)	0.0200(5) 0.0274(5)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C19B	-0.3310(2)	0.13621 (16)	0.31244 (17)	0.0349(6)
1112 $0.02851$ (3) $0.1516$ (2) $0.37487$ (19) $0.0461$ (7) $120D$ $-0.3490$ $0.1509$ $0.4227$ $0.069*$ $120E$ $-0.2445$ $0.2045$ $0.3500$ $0.069*$ $120F$ $-0.2324$ $0.1092$ $0.3917$ $0.069*$ $C21B$ $-0.4032$ (3) $0.05698$ (18) $0.3521$ (2) $0.0460$ (7) $121D$ $-0.4649$ $0.0591$ $0.4000$ $0.069*$ $121E$ $-0.3549$ $0.0114$ $0.3690$ $0.069*$ $121F$ $-0.4361$ $0.0498$ $0.3128$ $0.069*$ $122B$ $-0.2766$ (2) $0.17488$ (17) $0.12737$ (17) $0.0359$ (6) $122B$ $-0.3041$ $0.2307$ $0.1225$ $0.043*$ $C23B$ $-0.1873$ (3) $0.1844$ (2) $0.04511$ (19) $0.0522$ (8) $123D$ $-0.2228$ $0.2071$ $0.0013$ $0.078*$ $123E$ $-0.1575$ $0.1313$ $0.0455$ $0.078*$ $123F$ $-0.1244$ $0.2208$ $0.0359$ $0.078*$ $124B$ $-0.3821$ (3) $0.12528$ (19) $0.1391$ (2) $0.0438$ (7) $124E$ $-0.4411$ $0.1239$ $0.1895$ $0.066*$ $124F$ $-0.3603$ $0.0699$ $0.1426$ $0.066*$ $125B$ $-0.0618$ $0.0585$ $0.1813$ $0.044*$ $126E$ $-0.1756$ $-0.0211$ $0.3495$ $0.070*$ $126E$ $-0.0726$ $0.0441$ $0.3167$ $0.070*$ $126E$ $-0.1926$ (3) $-0.02034$ (17) $0.2077$ (2) <td>H19B</td> <td>-0.3836</td> <td>0 1809</td> <td>0.2968</td> <td>0.042*</td>	H19B	-0.3836	0 1809	0.2968	0.042*
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C20B	-0.2851(3)	0.1516(2)	0 37487 (19)	0.0461(7)
H20E $-0.2445$ $0.2045$ $0.3500$ $0.069*$ H20F $-0.2324$ $0.1092$ $0.3917$ $0.069*$ C21B $-0.4032$ (3) $0.05698$ (18) $0.3521$ (2) $0.0460$ (7)H21D $-0.4649$ $0.0591$ $0.4000$ $0.069*$ H21E $-0.3549$ $0.0114$ $0.3690$ $0.069*$ H21F $-0.4361$ $0.0498$ $0.3128$ $0.069*$ C22B $-0.2766$ (2) $0.17488$ (17) $0.12737$ (17) $0.0359$ (6)H22B $-0.3041$ $0.2307$ $0.1225$ $0.043*$ C23B $-0.1873$ (3) $0.1844$ (2) $0.04511$ (19) $0.0522$ (8)H23E $-0.1575$ $0.1313$ $0.0455$ $0.078*$ H23E $-0.1575$ $0.1313$ $0.0455$ $0.078*$ H23F $-0.1244$ $0.2208$ $0.0359$ $0.078*$ H24D $-0.4119$ $0.1505$ $0.0926$ $0.066*$ H24E $-0.4411$ $0.1239$ $0.1895$ $0.066*$ H24F $-0.3603$ $0.0699$ $0.1426$ $0.066*$ C25B $-0.1770$ (2) $0.04357$ (15) $0.22502$ (18) $0.0364$ (6)H26E $-0.1756$ $-0.0211$ $0.3495$ $0.070*$ H26E $-0.1756$ $-0.0211$ $0.3495$ $0.070*$ H26F $-0.0726$ $0.0441$ (17) $0.2077$ (2) $0.0448$ (7)	H20D	-0.3490	0.1509	0.4227	0.069*
H20F $-0.2324$ $0.1092$ $0.3917$ $0.069*$ C21B $-0.4032$ (3) $0.05698$ (18) $0.3521$ (2) $0.0460$ (7)H21D $-0.4649$ $0.0591$ $0.4000$ $0.069*$ H21E $-0.3549$ $0.0114$ $0.3690$ $0.069*$ H21F $-0.4361$ $0.0498$ $0.3128$ $0.069*$ C22B $-0.2766$ (2) $0.17488$ (17) $0.12737$ (17) $0.0359$ (6)H22B $-0.3041$ $0.2307$ $0.1225$ $0.043*$ C23B $-0.1873$ (3) $0.1844$ (2) $0.04511$ (19) $0.522$ (8)H23E $-0.1575$ $0.1313$ $0.0455$ $0.078*$ H23F $-0.1224$ $0.2208$ $0.0359$ $0.078*$ H23F $-0.1244$ $0.2208$ $0.0359$ $0.078*$ C24B $-0.3821$ (3) $0.12528$ (19) $0.1391$ (2) $0.0438$ (7)H24D $-0.4119$ $0.1505$ $0.0926$ $0.066*$ H24F $-0.3603$ $0.0699$ $0.1426$ $0.066*$ H24F $-0.3603$ $0.0699$ $0.1426$ $0.066*$ H24F $-0.0618$ $0.0585$ $0.1813$ $0.044*$ C26B $-0.1063$ (3) $0.00331$ (17) $0.3047$ (2) $0.0468$ (8)H26E $-0.1756$ $-0.0211$ $0.3495$ $0.070*$ H26F $-0.0726$ $0.0441$ $0.3167$ $0.070*$ H26F $-0.0726$ $0.0441$ (17) $0.2077$ (2) $0.0448$ (7)	H20E	-0.2445	0.2045	0.3500	0.069*
C21B $-0.4032$ (3) $0.05698$ (18) $0.3521$ (2) $0.0460$ (7)H21D $-0.4649$ $0.0591$ $0.4000$ $0.069*$ H21E $-0.3549$ $0.0114$ $0.3690$ $0.069*$ H21F $-0.4361$ $0.0498$ $0.3128$ $0.069*$ C22B $-0.2766$ (2) $0.17488$ (17) $0.12737$ (17) $0.0359$ (6)H22B $-0.3041$ $0.2307$ $0.1225$ $0.043*$ C23B $-0.1873$ (3) $0.1844$ (2) $0.04511$ (19) $0.0522$ (8)H23D $-0.2228$ $0.2071$ $0.0013$ $0.078*$ H23E $-0.1575$ $0.1313$ $0.0455$ $0.078*$ H23F $-0.1244$ $0.2208$ $0.0359$ $0.078*$ C24B $-0.3821$ (3) $0.12528$ (19) $0.1391$ (2) $0.0438$ (7)H24D $-0.4411$ $0.1239$ $0.1895$ $0.066*$ H24E $-0.4411$ $0.1239$ $0.1895$ $0.066*$ H24F $-0.3603$ $0.0699$ $0.1426$ $0.066*$ H24F $-0.0618$ $0.0585$ $0.1813$ $0.044*$ C26B $-0.1063$ (3) $0.00331$ (17) $0.3047$ (2) $0.0468$ (8)H26D $-0.0512$ $-0.0388$ $0.2990$ $0.070*$ H26E $-0.1756$ $-0.0211$ $0.3495$ $0.070*$ H26F $-0.0726$ $0.0441$ $0.3167$ $0.070*$	H20F	-0.2324	0.1092	0.3917	0.069*
H21D $-0.4649$ $0.0591$ $0.4000$ $0.069^*$ H21E $-0.3549$ $0.0114$ $0.3690$ $0.069^*$ H21F $-0.4361$ $0.0498$ $0.3128$ $0.069^*$ C22B $-0.2766(2)$ $0.17488(17)$ $0.12737(17)$ $0.0359(6)$ H22B $-0.3041$ $0.2307$ $0.1225$ $0.043^*$ C23B $-0.1873(3)$ $0.1844(2)$ $0.04511(19)$ $0.0522(8)$ H23D $-0.2228$ $0.2071$ $0.0013$ $0.078^*$ H23E $-0.1575$ $0.1313$ $0.04555$ $0.078^*$ H23F $-0.1244$ $0.2208$ $0.0359$ $0.078^*$ C24B $-0.3821(3)$ $0.12528(19)$ $0.1391(2)$ $0.0438(7)$ H24D $-0.4119$ $0.1505$ $0.0926$ $0.066^*$ H24F $-0.3603$ $0.0699$ $0.1426$ $0.066^*$ H24F $-0.3603$ $0.0699$ $0.1426$ $0.066^*$ H24F $-0.618$ $0.0585$ $0.1813$ $0.044*$ C26B $-0.1063(3)$ $0.00331(17)$ $0.3047(2)$ $0.0468(8)$ H26D $-0.0512$ $-0.0388$ $0.2990$ $0.070^*$ H26E $-0.1756$ $-0.0211$ $0.3495$ $0.070^*$ H26F $-0.0726$ $0.0441$ $0.3167$ $0.070^*$ H26F $-0.0726(3)$ $-0.02034(17)$ $0.2077(2)$ $0.0448(7)$	C21B	-0.4032(3)	0.05698 (18)	0.3521 (2)	0.0460 (7)
H21E $-0.3549$ $0.0114$ $0.3690$ $0.069^*$ H21F $-0.4361$ $0.0498$ $0.3128$ $0.069^*$ C22B $-0.2766(2)$ $0.17488(17)$ $0.12737(17)$ $0.0359(6)$ H22B $-0.3041$ $0.2307$ $0.1225$ $0.043^*$ C23B $-0.1873(3)$ $0.1844(2)$ $0.04511(19)$ $0.522(8)$ H23D $-0.2228$ $0.2071$ $0.0013$ $0.078^*$ H23E $-0.1575$ $0.1313$ $0.0455$ $0.078^*$ H23F $-0.1244$ $0.2208$ $0.0359$ $0.078^*$ C24B $-0.3821(3)$ $0.12528(19)$ $0.1391(2)$ $0.0438(7)$ H24D $-0.4119$ $0.1505$ $0.0926$ $0.066^*$ H24F $-0.3603$ $0.0699$ $0.1426$ $0.066^*$ H24F $-0.3603$ $0.0699$ $0.1426$ $0.066^*$ C25B $-0.1370(2)$ $0.04357(15)$ $0.22502(18)$ $0.0364(6)$ H25B $-0.0618$ $0.0585$ $0.1813$ $0.044^*$ C26B $-0.1063(3)$ $0.00331(17)$ $0.3047(2)$ $0.0468(8)$ H26D $-0.0512$ $-0.0388$ $0.2990$ $0.070^*$ H26F $-0.0726$ $0.0441$ $0.3167$ $0.070^*$ H26F $-0.0726$ $0.0441$ $0.3167$ $0.0748(7)$	H21D	-0.4649	0.0591	0.4000	0.069*
H21F $-0.4361$ $0.0498$ $0.3128$ $0.069*$ C22B $-0.2766(2)$ $0.17488(17)$ $0.12737(17)$ $0.0359(6)$ H22B $-0.3041$ $0.2307$ $0.1225$ $0.043*$ C23B $-0.1873(3)$ $0.1844(2)$ $0.04511(19)$ $0.522(8)$ H23D $-0.2228$ $0.2071$ $0.0013$ $0.078*$ H23E $-0.1575$ $0.1313$ $0.0455$ $0.078*$ H23F $-0.1244$ $0.2208$ $0.0359$ $0.078*$ C24B $-0.3821(3)$ $0.12528(19)$ $0.1391(2)$ $0.0438(7)$ H24D $-0.4119$ $0.1505$ $0.0926$ $0.066*$ H24F $-0.3603$ $0.0699$ $0.1426$ $0.066*$ H24F $-0.3603$ $0.0699$ $0.1426$ $0.066*$ C25B $-0.1370(2)$ $0.04357(15)$ $0.22502(18)$ $0.0364(6)$ H25B $-0.0618$ $0.0585$ $0.1813$ $0.044*$ C26B $-0.1063(3)$ $0.00331(17)$ $0.3047(2)$ $0.0468(8)$ H26D $-0.0512$ $-0.0388$ $0.2990$ $0.070*$ H26F $-0.0726$ $0.0441$ $0.3167$ $0.070*$ H26F $-0.0726(3)$ $-0.02034(17)$ $0.2077(2)$ $0.0448(7)$	H21E	-0.3549	0.0114	0.3690	0.069*
C22B $-0.2766$ (2) $0.17488$ (17) $0.12737$ (17) $0.0359$ (6)H22B $-0.3041$ $0.2307$ $0.1225$ $0.043*$ C23B $-0.1873$ (3) $0.1844$ (2) $0.04511$ (19) $0.0522$ (8)H23D $-0.2228$ $0.2071$ $0.0013$ $0.078*$ H23E $-0.1575$ $0.1313$ $0.0455$ $0.078*$ H23F $-0.1244$ $0.2208$ $0.0359$ $0.078*$ C24B $-0.3821$ (3) $0.12528$ (19) $0.1391$ (2) $0.0438$ (7)H24D $-0.4119$ $0.1505$ $0.0926$ $0.066*$ H24E $-0.4411$ $0.1239$ $0.1895$ $0.066*$ H24F $-0.3603$ $0.0699$ $0.1426$ $0.066*$ C25B $-0.1370$ (2) $0.04357$ (15) $0.22502$ (18) $0.0364$ (6)H25B $-0.0618$ $0.0585$ $0.1813$ $0.044*$ C26B $-0.1063$ (3) $0.00331$ (17) $0.3047$ (2) $0.0468$ (8)H26D $-0.0512$ $-0.0388$ $0.2990$ $0.070*$ H26F $-0.0726$ $0.0441$ $0.3167$ $0.070*$ H26F $-0.0726$ $0.0441$ $0.3167$ $0.070*$ C27B $-0.1926$ (3) $-0.02034$ (17) $0.2077$ (2) $0.0448$ (7)	H21F	-0.4361	0.0498	0.3128	0.069*
H22B $-0.3041$ $0.2307$ $0.1225$ $0.043^*$ C23B $-0.1873$ (3) $0.1844$ (2) $0.04511$ (19) $0.0522$ (8)H23D $-0.2228$ $0.2071$ $0.0013$ $0.078^*$ H23E $-0.1575$ $0.1313$ $0.0455$ $0.078^*$ H23F $-0.1244$ $0.2208$ $0.0359$ $0.078^*$ C24B $-0.3821$ (3) $0.12528$ (19) $0.1391$ (2) $0.0438$ (7)H24D $-0.4119$ $0.1505$ $0.0926$ $0.066^*$ H24E $-0.4411$ $0.1239$ $0.1895$ $0.066^*$ H24F $-0.3603$ $0.0699$ $0.1426$ $0.066^*$ C25B $-0.1370$ (2) $0.04357$ (15) $0.22502$ (18) $0.0364$ (6)H25B $-0.0618$ $0.0585$ $0.1813$ $0.044^*$ C26B $-0.1063$ (3) $0.00331$ (17) $0.3047$ (2) $0.0468$ (8)H26D $-0.0512$ $-0.0388$ $0.2990$ $0.070^*$ H26F $-0.0726$ $0.0441$ $0.3167$ $0.070^*$ H26F $-0.0726$ $0.0441$ $0.3167$ $0.07448$ (7)	C22B	-0.2766 (2)	0.17488 (17)	0.12737 (17)	0.0359 (6)
C23B $-0.1873 (3)$ $0.1844 (2)$ $0.04511 (19)$ $0.0522 (8)$ H23D $-0.2228$ $0.2071$ $0.0013$ $0.078*$ H23E $-0.1575$ $0.1313$ $0.0455$ $0.078*$ H23F $-0.1244$ $0.2208$ $0.0359$ $0.078*$ C24B $-0.3821 (3)$ $0.12528 (19)$ $0.1391 (2)$ $0.0438 (7)$ H24D $-0.4119$ $0.1505$ $0.0926$ $0.066*$ H24E $-0.4411$ $0.1239$ $0.1895$ $0.066*$ H24F $-0.3603$ $0.0699$ $0.1426$ $0.066*$ C25B $-0.1370 (2)$ $0.04357 (15)$ $0.22502 (18)$ $0.0364 (6)$ H25B $-0.0618$ $0.0585$ $0.1813$ $0.044*$ C26B $-0.1063 (3)$ $0.00331 (17)$ $0.3047 (2)$ $0.0468 (8)$ H26D $-0.0512$ $-0.0388$ $0.2990$ $0.070*$ H26F $-0.0726$ $0.0441$ $0.3167$ $0.070*$ H26F $-0.1926 (3)$ $-0.02034 (17)$ $0.2077 (2)$ $0.0448 (7)$	H22B	-0.3041	0.2307	0.1225	0.043*
H23D $-0.2228$ $0.2071$ $0.0013$ $0.078*$ H23E $-0.1575$ $0.1313$ $0.0455$ $0.078*$ H23F $-0.1244$ $0.2208$ $0.0359$ $0.078*$ C24B $-0.3821(3)$ $0.12528(19)$ $0.1391(2)$ $0.0438(7)$ H24D $-0.4119$ $0.1505$ $0.0926$ $0.066*$ H24E $-0.4411$ $0.1239$ $0.1895$ $0.066*$ H24F $-0.3603$ $0.0699$ $0.1426$ $0.066*$ C25B $-0.1370(2)$ $0.04357(15)$ $0.22502(18)$ $0.0364(6)$ H25B $-0.0618$ $0.0585$ $0.1813$ $0.044*$ C26B $-0.1063(3)$ $0.00331(17)$ $0.3047(2)$ $0.0468(8)$ H26D $-0.0512$ $-0.0388$ $0.2990$ $0.070*$ H26E $-0.1756$ $-0.0211$ $0.3495$ $0.070*$ H26F $-0.0726$ $0.0441$ $0.3167$ $0.070*$ C27B $-0.1926(3)$ $-0.02034(17)$ $0.2077(2)$ $0.0448(7)$	C23B	-0.1873 (3)	0.1844 (2)	0.04511 (19)	0.0522 (8)
H23E $-0.1575$ $0.1313$ $0.0455$ $0.078^*$ H23F $-0.1244$ $0.2208$ $0.0359$ $0.078^*$ C24B $-0.3821 (3)$ $0.12528 (19)$ $0.1391 (2)$ $0.0438 (7)$ H24D $-0.4119$ $0.1505$ $0.0926$ $0.066^*$ H24E $-0.4411$ $0.1239$ $0.1895$ $0.066^*$ H24F $-0.3603$ $0.0699$ $0.1426$ $0.066^*$ C25B $-0.1370 (2)$ $0.04357 (15)$ $0.22502 (18)$ $0.0364 (6)$ H25B $-0.0618$ $0.0585$ $0.1813$ $0.044^*$ C26B $-0.1063 (3)$ $0.00331 (17)$ $0.3047 (2)$ $0.0468 (8)$ H26D $-0.0512$ $-0.0388$ $0.2990$ $0.070^*$ H26E $-0.1756$ $-0.0211$ $0.3495$ $0.070^*$ H26F $-0.0726$ $0.0441$ $0.3167$ $0.070^*$ C27B $-0.1926 (3)$ $-0.02034 (17)$ $0.2077 (2)$ $0.0448 (7)$	H23D	-0.2228	0.2071	0.0013	0.078*
H23F $-0.1244$ $0.2208$ $0.0359$ $0.078*$ C24B $-0.3821 (3)$ $0.12528 (19)$ $0.1391 (2)$ $0.0438 (7)$ H24D $-0.4119$ $0.1505$ $0.0926$ $0.066*$ H24E $-0.4411$ $0.1239$ $0.1895$ $0.066*$ H24F $-0.3603$ $0.0699$ $0.1426$ $0.0364 (6)$ H25B $-0.1370 (2)$ $0.04357 (15)$ $0.22502 (18)$ $0.0364 (6)$ H25B $-0.0618$ $0.0585$ $0.1813$ $0.044*$ C26B $-0.1063 (3)$ $0.00331 (17)$ $0.3047 (2)$ $0.0468 (8)$ H26D $-0.0512$ $-0.0388$ $0.2990$ $0.070*$ H26E $-0.1756$ $-0.0211$ $0.3495$ $0.070*$ H26F $-0.0726$ $0.0441$ $0.3167$ $0.070*$ C27B $-0.1926 (3)$ $-0.02034 (17)$ $0.2077 (2)$ $0.0448 (7)$	H23E	-0.1575	0.1313	0.0455	0.078*
C24B $-0.3821 (3)$ $0.12528 (19)$ $0.1391 (2)$ $0.0438 (7)$ H24D $-0.4119$ $0.1505$ $0.0926$ $0.066*$ H24E $-0.4411$ $0.1239$ $0.1895$ $0.066*$ H24F $-0.3603$ $0.0699$ $0.1426$ $0.066*$ C25B $-0.1370 (2)$ $0.04357 (15)$ $0.22502 (18)$ $0.0364 (6)$ H25B $-0.0618$ $0.0585$ $0.1813$ $0.044*$ C26B $-0.1063 (3)$ $0.00331 (17)$ $0.3047 (2)$ $0.0468 (8)$ H26D $-0.0512$ $-0.0388$ $0.2990$ $0.070*$ H26E $-0.1756$ $-0.0211$ $0.3495$ $0.070*$ H26F $-0.0726 (3)$ $-0.02034 (17)$ $0.2077 (2)$ $0.0448 (7)$	H23F	-0.1244	0.2208	0.0359	0.078*
H24D $-0.4119$ $0.1505$ $0.0926$ $0.066*$ H24E $-0.4411$ $0.1239$ $0.1895$ $0.066*$ H24F $-0.3603$ $0.0699$ $0.1426$ $0.066*$ C25B $-0.1370(2)$ $0.04357(15)$ $0.22502(18)$ $0.0364(6)$ H25B $-0.0618$ $0.0585$ $0.1813$ $0.044*$ C26B $-0.1063(3)$ $0.00331(17)$ $0.3047(2)$ $0.0468(8)$ H26D $-0.0512$ $-0.0388$ $0.2990$ $0.070*$ H26E $-0.1756$ $-0.0211$ $0.3495$ $0.070*$ H26F $-0.0726$ $0.0441$ $0.3167$ $0.070*$ C27B $-0.1926(3)$ $-0.02034(17)$ $0.2077(2)$ $0.0448(7)$	C24B	-0.3821 (3)	0.12528 (19)	0.1391 (2)	0.0438 (7)
H24E $-0.4411$ $0.1239$ $0.1895$ $0.066*$ H24F $-0.3603$ $0.0699$ $0.1426$ $0.066*$ C25B $-0.1370$ (2) $0.04357$ (15) $0.22502$ (18) $0.0364$ (6)H25B $-0.0618$ $0.0585$ $0.1813$ $0.044*$ C26B $-0.1063$ (3) $0.00331$ (17) $0.3047$ (2) $0.0468$ (8)H26D $-0.0512$ $-0.0388$ $0.2990$ $0.070*$ H26E $-0.1756$ $-0.0211$ $0.3495$ $0.070*$ H26F $-0.0726$ $0.0441$ $0.3167$ $0.070*$ C27B $-0.1926$ (3) $-0.02034$ (17) $0.2077$ (2) $0.0448$ (7)	H24D	-0.4119	0.1505	0.0926	0.066*
H24F $-0.3603$ $0.0699$ $0.1426$ $0.066*$ C25B $-0.1370$ (2) $0.04357$ (15) $0.22502$ (18) $0.0364$ (6)H25B $-0.0618$ $0.0585$ $0.1813$ $0.044*$ C26B $-0.1063$ (3) $0.00331$ (17) $0.3047$ (2) $0.0468$ (8)H26D $-0.0512$ $-0.0388$ $0.2990$ $0.070*$ H26E $-0.1756$ $-0.0211$ $0.3495$ $0.070*$ H26F $-0.0726$ $0.0441$ $0.3167$ $0.070*$ C27B $-0.1926$ (3) $-0.02034$ (17) $0.2077$ (2) $0.0448$ (7)	H24E	-0.4411	0.1239	0.1895	0.066*
C25B-0.1370 (2)0.04357 (15)0.22502 (18)0.0364 (6)H25B-0.06180.05850.18130.044*C26B-0.1063 (3)0.00331 (17)0.3047 (2)0.0468 (8)H26D-0.0512-0.03880.29900.070*H26E-0.1756-0.02110.34950.070*H26F-0.07260.04410.31670.070*C27B-0.1926 (3)-0.02034 (17)0.2077 (2)0.0448 (7)	H24F	-0.3603	0.0699	0.1426	0.066*
H25B-0.06180.05850.18130.044*C26B-0.1063 (3)0.00331 (17)0.3047 (2)0.0468 (8)H26D-0.0512-0.03880.29900.070*H26E-0.1756-0.02110.34950.070*H26F-0.07260.04410.31670.070*C27B-0.1926 (3)-0.02034 (17)0.2077 (2)0.0448 (7)	C25B	-0.1370 (2)	0.04357 (15)	0.22502 (18)	0.0364 (6)
C26B-0.1063 (3)0.00331 (17)0.3047 (2)0.0468 (8)H26D-0.0512-0.03880.29900.070*H26E-0.1756-0.02110.34950.070*H26F-0.07260.04410.31670.070*C27B-0.1926 (3)-0.02034 (17)0.2077 (2)0.0448 (7)	H25B	-0.0618	0.0585	0.1813	0.044*
H26D-0.0512-0.03880.29900.070*H26E-0.1756-0.02110.34950.070*H26F-0.07260.04410.31670.070*C27B-0.1926 (3)-0.02034 (17)0.2077 (2)0.0448 (7)	C26B	-0.1063 (3)	0.00331 (17)	0.3047 (2)	0.0468 (8)
H26E-0.1756-0.02110.34950.070*H26F-0.07260.04410.31670.070*C27B-0.1926 (3)-0.02034 (17)0.2077 (2)0.0448 (7)	H26D	-0.0512	-0.0388	0.2990	0.070*
H26F-0.07260.04410.31670.070*C27B-0.1926 (3)-0.02034 (17)0.2077 (2)0.0448 (7)	H26E	-0.1756	-0.0211	0.3495	0.070*
C27B -0.1926 (3) -0.02034 (17) 0.2077 (2) 0.0448 (7)	H26F	-0.0726	0.0441	0.3167	0.070*
	C27B	-0.1926 (3)	-0.02034 (17)	0.2077 (2)	0.0448 (7)

H27D	-0.1431	-0.0667	0.2096	0.067*
H27E	-0.2030	0.0034	0.1534	0.067*
H27F	-0.2670	-0.0384	0.2489	0.067*
C28B	0.1323 (2)	0.18389 (16)	-0.00721 (17)	0.0350 (6)
H28B	0.0570	0.1768	0.0361	0.042*
C29B	0.1096 (3)	0.15814 (19)	-0.07238 (19)	0.0461 (7)
H29D	0.0549	0.1943	-0.0956	0.069*
H29E	0.0780	0.1024	-0.0476	0.069*
H29F	0.1814	0.1612	-0.1156	0.069*
C30B	0.1611 (3)	0.27536 (17)	-0.0431 (2)	0.0472 (7)
H30D	0.0976	0.3045	-0.0611	0.071*
H30E	0.2306	0.2870	-0.0898	0.071*
H30F	0.1734	0.2929	-0.0014	0.071*
C31B	0.2215 (2)	0.01270 (16)	0.04315 (17)	0.0343 (6)
H31B	0.2212	0.0222	-0.0137	0.041*
C32B	0.1061 (3)	-0.02930 (17)	0.0982 (2)	0.0460 (7)
H32D	0.0988	-0.0801	0.0900	0.069*
H32E	0.0445	0.0061	0.0846	0.069*
H32F	0.1010	-0.0408	0.1553	0.069*
C33B	0.3175 (3)	-0.04613 (17)	0.0568 (2)	0.0453 (7)
H33D	0.3105	-0.0909	0.0390	0.068*
H33E	0.3117	-0.0675	0.1149	0.068*
H33F	0.3917	-0.0176	0.0253	0.068*
C34B	0.3898 (2)	0.15321 (16)	-0.00755 (17)	0.0345 (6)
H34B	0.4361	0.1104	0.0206	0.041*
C35B	0.4217 (3)	0.23240 (18)	-0.0014 (2)	0.0458 (7)
H35D	0.5049	0.2415	-0.0223	0.069*
H35E	0.3949	0.2286	0.0558	0.069*
H35F	0.3856	0.2777	-0.0338	0.069*
C36B	0.4272 (3)	0.15781 (19)	-0.09643 (18)	0.0465 (7)
H36D	0.5100	0.1686	-0.1198	0.070*
H36E	0.3877	0.2015	-0.1277	0.070*
H36F	0.4077	0.1062	-0.0987	0.070*

Atomic displacement parameters  $(Å^2)$ 

	$U^{11}$	$U^{22}$	$U^{33}$	$U^{12}$	$U^{13}$	$U^{23}$
Ni1A	0.02734 (17)	0.02433 (16)	0.02715 (16)	-0.00333 (12)	-0.00748 (13)	-0.00737 (12)
SilA	0.0262 (4)	0.0254 (3)	0.0295 (3)	-0.0019 (3)	-0.0103 (3)	-0.0081 (3)
Si2A	0.0282 (4)	0.0235 (3)	0.0263 (3)	-0.0022 (3)	-0.0077 (3)	-0.0076 (3)
N1A	0.0300 (11)	0.0262 (10)	0.0319 (11)	0.0023 (8)	-0.0117 (9)	-0.0103 (9)
N2A	0.0251 (11)	0.0252 (10)	0.0274 (10)	-0.0027 (8)	-0.0071 (8)	-0.0080(8)
N3A	0.0294 (11)	0.0289 (11)	0.0325 (11)	-0.0006 (8)	-0.0123 (9)	-0.0110 (9)
N4A	0.0290 (11)	0.0246 (10)	0.0274 (10)	-0.0009 (8)	-0.0085 (9)	-0.0089 (8)
C1A	0.0366 (15)	0.0343 (14)	0.0360 (14)	0.0022 (11)	-0.0150 (12)	-0.0103 (11)
C2A	0.0346 (15)	0.0462 (16)	0.0482 (17)	0.0080 (12)	-0.0230 (13)	-0.0216 (14)
C3A	0.0270 (14)	0.0411 (15)	0.0504 (17)	0.0026 (11)	-0.0139 (12)	-0.0265 (13)
C4A	0.0265 (13)	0.0289 (12)	0.0378 (14)	0.0006 (10)	-0.0082 (11)	-0.0180 (11)

C5A	0.0251 (13)	0.0319 (13)	0.0446 (15)	-0.0025 (10)	-0.0041 (11)	-0.0183 (12)
C6A	0.0333 (14)	0.0293 (13)	0.0338 (14)	-0.0015 (11)	-0.0022 (11)	-0.0082 (11)
C7A	0.0284 (13)	0.0324 (13)	0.0305 (13)	0.0011 (10)	-0.0067 (11)	-0.0095 (11)
C8A	0.0250 (12)	0.0231 (11)	0.0328 (13)	0.0006 (9)	-0.0065 (10)	-0.0128 (10)
C9A	0.0268 (13)	0.0248 (12)	0.0324 (13)	0.0006 (9)	-0.0081 (10)	-0.0142 (10)
C10A	0.0325 (14)	0.0315 (13)	0.0447 (15)	-0.0021 (11)	-0.0154 (12)	-0.0132(12)
C11A	0.0338 (15)	0.0329 (14)	0.0578 (18)	0.0034 (11)	-0.0204 (13)	-0.0238(13)
C12A	0.0316 (14)	0.0428 (15)	0.0502 (17)	0.0085 (12)	-0.0191 (13)	-0.0284(13)
C13A	0.0267 (13)	0.0379 (14)	0.0361 (14)	0.0045 (10)	-0.0153 (11)	-0.0174 (11)
C14A	0.0292 (14)	0.0470 (16)	0.0316 (14)	0.0048 (12)	-0.0070 (11)	-0.0168 (12)
C15A	0.0330 (15)	0.0429 (15)	0.0287 (13)	-0.0008(12)	-0.0056 (11)	-0.0096 (11)
C16A	0.0343 (14)	0.0331 (13)	0.0305 (13)	-0.0009(11)	-0.0085(11)	-0.0111 (11)
C17A	0.0266 (13)	0.0292(12)	0.0283(12)	-0.0002(10)	-0.0117(10)	-0.0097(10)
C18A	0.0261 (13)	0.0313(12)	0.0297(12)	0.0014(10)	-0.0141(10)	-0.0114(10)
C19A	0.0313(14)	0.0265(12)	0.0363(14)	0.0003(10)	-0.0135(11)	-0.0088(10)
C20A	0.0475 (17)	0.0316(14)	0.0480(17)	0.0018(12)	-0.0211(14)	-0.0148(12)
C21A	0.0397(16)	0.0310(11) 0.0329(14)	0.0496(17)	0.0010(12) 0.0041(12)	-0.0222(13)	-0.0117(12)
C22A	0.0374(15)	0.0323(11) 0.0313(13)	0.0334(14)	0.00011(12) 0.0002(11)	-0.0151(12)	-0.0110(11)
C23A	0.0371(10)	0.0313(13)	0.0320(15)	-0.0138(16)	-0.0083(15)	-0.0115(13)
C24A	0.0406(16)	0.0411(15)	0.0320(15)	0.0058(12)	-0.0162(13)	-0.0188(13)
C25A	0.0279(13)	0.0294(13)	0.0345(14)	-0.0017(10)	-0.0102(13)	-0.0068(11)
C26A	0.0279(15)	0.0234(15)	0.0510(17)	-0.0084(12)	-0.0118(13)	-0.0171(14)
C27A	0.0311(19) 0.0302(14)	0.0466 (16)	0.0377(15)	-0.0037(12)	-0.0075(12)	-0.0118(13)
C28A	0.0302(11) 0.0344(14)	0.0246(12)	0.0377(13)	0.0005(10)	-0.0077(11)	-0.0115(10)
C29A	0.0301(11)	0.0210(12) 0.0388(15)	0.0458 (16)	-0.0005(11)	-0.0044(12)	-0.0115(13)
C30A	0.0430(16)	0.0329(14)	0.0309(14)	-0.0004(11)	-0.0083(12)	-0.0107(11)
C31A	0.0349(15)	0.0330(13)	0.0316(13)	-0.0089(11)	-0.0091(11)	-0.0111(11)
C32A	0.0377 (16)	0.0479(17)	0.0546 (18)	-0.0028(13)	-0.0213(14)	-0.0191(14)
C33A	0.0496(18)	0.0385(15)	0.0450 (16)	-0.0133(13)	-0.0129(14)	-0.0171(13)
C34A	0.0385 (15)	0.0292(13)	0.0319(13)	-0.0007(11)	-0.0120(12)	-0.0064(11)
C35A	0.070 (2)	0.0395(16)	0.0576 (19)	0.0039 (15)	-0.0422(18)	-0.0160(14)
C36A	0.061(2)	0.0297 (14)	0.0488 (17)	0.0057 (13)	-0.0256(15)	-0.0084(13)
Ni1B	0.02493 (17)	0.02550 (16)	0.03428 (18)	0.00398 (12)	-0.01139(13)	-0.01210(13)
Si1B	0.0247 (3)	0.0248 (3)	0.0355 (4)	0.0003 (3)	-0.0091(3)	-0.0120(3)
Si2B	0.0252 (3)	0.0255 (3)	0.0302 (3)	0.0000 (3)	-0.0065(3)	-0.0104(3)
N1B	0.0271 (11)	0.0304 (11)	0.0348 (11)	-0.0010(8)	-0.0099(9)	-0.0134(9)
N2B	0.0260 (11)	0.0243 (10)	0.0354 (11)	0.0017 (8)	-0.0102(9)	-0.0129 (9)
N3B	0.0269 (11)	0.0282(10)	0.0327 (11)	-0.0006(8)	-0.0092(9)	-0.0125(9)
N4B	0.0235 (10)	0.0261 (10)	0.0318 (11)	0.0029 (8)	-0.0090(9)	-0.0108(9)
C1B	0.0292 (14)	0.0394 (15)	0.0430 (15)	-0.0025(11)	-0.0101(12)	-0.0169 (12)
C2B	0.0399 (16)	0.0382 (15)	0.0449 (16)	-0.0097(12)	-0.0110 (13)	-0.0148 (13)
C3B	0.0484 (18)	0.0278 (13)	0.0436 (16)	-0.0072(12)	-0.0166 (13)	-0.0109(12)
C4B	0.0429 (16)	0.0247 (12)	0.0339 (14)	0.0001 (11)	-0.0171 (12)	-0.0109 (10)
C5B	0.0498 (18)	0.0240 (12)	0.0529 (17)	0.0089 (12)	-0.0268(14)	-0.0142(12)
C6B	0.0356 (15)	0.0342 (14)	0.0555 (18)	0.0123 (11)	-0.0237 (13)	-0.0206 (13)
C7B	0.0270 (14)	0.0310(13)	0.0492 (16)	0.0031 (10)	-0.0159 (12)	-0.0174 (12)
C8B	0.0303 (13)	0.0251 (12)	0.0335 (13)	0.0021 (10)	-0.0135 (11)	-0.0110 (10)
C9B	0.0303 (13)	0.0285 (12)	0.0312 (13)	0.0014 (10)	-0.0139 (11)	-0.0118 (10)
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C10B	0.0321 (15)	0.0383 (14)	0.0406 (15)	0.0012 (11)	-0.0086 (12)	-0.0198 (12)
C11B	0.0423 (16)	0.0433 (15)	0.0340 (14)	-0.0049 (12)	-0.0086 (12)	-0.0178 (12)
C12B	0.0437 (17)	0.0385 (15)	0.0330 (14)	-0.0084 (12)	-0.0154 (12)	-0.0079 (12)
C13B	0.0307 (14)	0.0300 (13)	0.0338 (13)	-0.0042 (10)	-0.0129 (11)	-0.0083 (11)
C14B	0.0362 (15)	0.0360 (14)	0.0412 (16)	0.0043 (11)	-0.0200 (13)	-0.0066 (12)
C15B	0.0316 (15)	0.0374 (15)	0.0522 (18)	0.0095 (12)	-0.0183 (13)	-0.0119 (13)
C16B	0.0275 (13)	0.0349 (14)	0.0376 (14)	0.0042 (10)	-0.0094 (11)	-0.0133 (11)
C17B	0.0249 (12)	0.0233 (11)	0.0334 (13)	-0.0027 (9)	-0.0101 (10)	-0.0096 (10)
C18B	0.0255 (12)	0.0251 (12)	0.0339 (13)	-0.0033 (9)	-0.0118 (10)	-0.0096 (10)
C19B	0.0282 (14)	0.0347 (14)	0.0391 (15)	0.0012 (11)	-0.0058 (11)	-0.0136 (12)
C20B	0.0460 (18)	0.0536 (18)	0.0423 (17)	0.0011 (14)	-0.0099 (14)	-0.0241 (14)
C21B	0.0375 (16)	0.0423 (16)	0.0493 (18)	-0.0074 (13)	-0.0020 (13)	-0.0134 (14)
C22B	0.0330 (15)	0.0350 (14)	0.0449 (16)	-0.0003 (11)	-0.0170 (12)	-0.0154 (12)
C23B	0.0471 (19)	0.070 (2)	0.0388 (16)	-0.0035 (16)	-0.0153 (14)	-0.0155 (15)
C24B	0.0363 (16)	0.0483 (17)	0.0584 (19)	0.0009 (13)	-0.0214 (14)	-0.0261 (15)
C25B	0.0306 (14)	0.0247 (12)	0.0505 (17)	0.0005 (10)	-0.0072 (12)	-0.0137 (12)
C26B	0.0405 (17)	0.0289 (14)	0.068 (2)	0.0029 (12)	-0.0220 (15)	-0.0092 (14)
C27B	0.0430 (17)	0.0291 (14)	0.062 (2)	0.0000 (12)	-0.0094 (15)	-0.0204 (13)
C28B	0.0348 (15)	0.0376 (14)	0.0333 (14)	0.0037 (11)	-0.0116 (11)	-0.0126 (11)
C29B	0.0547 (19)	0.0499 (17)	0.0411 (16)	0.0024 (14)	-0.0241 (15)	-0.0166 (14)
C30B	0.059 (2)	0.0357 (15)	0.0495 (18)	0.0107 (14)	-0.0252 (15)	-0.0118 (13)
C31B	0.0318 (14)	0.0319 (13)	0.0426 (15)	0.0007 (11)	-0.0087 (12)	-0.0190 (12)
C32B	0.0364 (16)	0.0350 (15)	0.066 (2)	-0.0039 (12)	-0.0061 (14)	-0.0237 (14)
C33B	0.0395 (17)	0.0351 (15)	0.066 (2)	0.0051 (12)	-0.0124 (15)	-0.0270 (14)
C34B	0.0302 (14)	0.0318 (13)	0.0367 (14)	-0.0034 (11)	-0.0048 (11)	-0.0100 (11)
C35B	0.0343 (16)	0.0451 (17)	0.0565 (19)	-0.0094 (13)	-0.0112 (14)	-0.0162 (14)
C36B	0.0413 (17)	0.0463 (17)	0.0400 (16)	-0.0031 (13)	0.0011 (13)	-0.0116 (13)

# Geometric parameters (Å, °)

Ni1A—N4A	1.955 (2)	Ni1B—N4B	1.960 (2)
Ni1A—N2A	1.977 (2)	Ni1B—N2B	1.962 (2)
Ni1A—N1A	2.002 (2)	Ni1B—N3B	2.002 (2)
Ni1A—N3A	2.001 (2)	Ni1B—N1B	2.005 (2)
Si1A—N2A	1.754 (2)	Si1B—N2B	1.744 (2)
Si1A—C22A	1.906 (3)	Si1B—C25B	1.892 (3)
Si1A—C19A	1.905 (3)	Si1B—C22B	1.903 (3)
Si1A—C25A	1.907 (3)	Si1B—C19B	1.903 (3)
Si2A—N4A	1.755 (2)	Si2B—N4B	1.745 (2)
Si2A—C28A	1.876 (3)	Si2B—C34B	1.900 (3)
Si2A—C31A	1.909 (3)	Si2B—C31B	1.906 (3)
Si2A—C34A	1.906 (3)	Si2B—C28B	1.908 (3)
N1A—C1A	1.328 (3)	N1B—C1B	1.321 (3)
N1A—C9A	1.365 (3)	N1B—C9B	1.365 (3)
N2A—C8A	1.369 (3)	N2B—C8B	1.374 (3)
N3A—C10A	1.324 (3)	N3B—C10B	1.319 (3)
N3A—C18A	1.366 (3)	N3B—C18B	1.369 (3)
N4A—C17A	1.375 (3)	N4B—C17B	1.373 (3)

C1A—C2A	1.401 (4)	C1B—C2B	1.395 (4)
C1A—H1AA	0.9500	C1B—H1BA	0.9500
C2A—C3A	1.368 (4)	C2B—C3B	1.367 (4)
C2A—H2AA	0.9500	C2B—H2BA	0.9500
C3A—C4A	1.411 (4)	C3B—C4B	1.412 (4)
СЗА—НЗАА	0.9500	СЗВ—НЗВА	0.9500
C4A—C9A	1.413 (4)	C4B—C5B	1.413 (4)
C4A—C5A	1.412 (4)	C4B—C9B	1.417 (3)
C5A—C6A	1.372 (4)	C5B—C6B	1.369 (4)
С5А—Н5АА	0.9500	C5B—H5BA	0.9500
C6A—C7A	1.407 (4)	C6B—C7B	1.408 (4)
С6А—Н6АА	0.9500	C6B—H6BA	0.9500
C7A—C8A	1.395 (3)	C7B—C8B	1.400 (4)
С7А—Н7АА	0.9500	С7В—Н7ВА	0.9500
C8A—C9A	1.451 (3)	C8B—C9B	1.440 (4)
C10A—C11A	1.404 (4)	C10B—C11B	1.400 (4)
C10A—H10A	0.9500	C10B—H10B	0.9500
C11A—C12A	1.364 (4)	C11B—C12B	1.367 (4)
C11A—H11A	0.9500	C11B—H11B	0.9500
C12A—C13A	1.421 (4)	C12B—C13B	1.410 (4)
C12A—H12A	0.9500	C12B—H12B	0.9500
C13A—C14A	1.408 (4)	C13B—C14B	1.417 (4)
C13A—C18A	1.412 (4)	C13B—C18B	1.421 (3)
C14A—C15A	1.370 (4)	C14B—C15B	1.365 (4)
C14A—H14A	0.9500	C14B—H14B	0.9500
C15A—C16A	1.403 (4)	C15B—C16B	1.402 (4)
C15A—H15A	0.9500	C15B—H15B	0.9500
C16A—C17A	1.398 (4)	C16B—C17B	1.405 (3)
C16A—H16A	0.9500	C16B—H16B	0.9500
C17A—C18A	1.438 (3)	C17B—C18B	1.437 (4)
C19A—C20A	1.534 (4)	C19B—C21B	1.533 (4)
C19A—C21A	1.541 (4)	C19B—C20B	1.538 (4)
С19А—Н19А	1.0000	C19B—H19B	1.0000
C20A—H20A	0.9800	C20B—H20D	0.9800
C20A—H20B	0.9800	C20B—H20E	0.9800
C20A—H20C	0.9800	C20B—H20F	0.9800
C21A—H21A	0.9800	C21B—H21D	0.9800
C21A—H21B	0.9800	C21B—H21E	0.9800
C21A—H21C	0.9800	C21B—H21F	0.9800
C22A—C24A	1.522 (4)	C22B—C23B	1.533 (4)
C22A—C23A	1.529 (4)	C22B—C24B	1.539 (4)
С22А—Н22А	1.0000	C22B—H22B	1.0000
С23А—Н23А	0.9800	C23B—H23D	0.9800
С23А—Н23В	0.9800	C23B—H23E	0.9800
С23А—Н23С	0.9800	C23B—H23F	0.9800
C24A—H24A	0.9800	C24B—H24D	0.9800
C24A—H24B	0.9800	C24B—H24E	0.9800
C24A—H24C	0.9800	C24B—H24F	0.9800

C25A—C27A	1.536 (4)	C25B—C27B	1.538 (4)
C25A—C26A	1.543 (4)	C25B—C26B	1.535 (4)
С25А—Н25А	1.0000	C25B—H25B	1.0000
C26A—H26A	0.9800	C26B—H26D	0.9800
C26A—H26B	0.9800	С26В—Н26Е	0.9800
С26А—Н26С	0.9800	C26B—H26F	0.9800
С27А—Н27А	0.9800	C27B—H27D	0.9800
С27А—Н27В	0.9800	С27В—Н27Е	0.9800
С27А—Н27С	0.9800	C27B—H27F	0.9800
C28A—C29A	1.533 (4)	C28B—C29B	1.532 (4)
C28A—C30A	1.534 (4)	C28B—C30B	1.536 (4)
C28A—H28A	1.0000	C28B—H28B	1.0000
С29А—Н29А	0.9800	C29B—H29D	0.9800
С29А—Н29В	0.9800	С29В—Н29Е	0.9800
С29А—Н29С	0.9800	C29B—H29F	0.9800
С30А—Н30А	0.9800	C30B—H30D	0.9800
C30A—H30B	0.9800	C30B—H30E	0.9800
C30A—H30C	0.9800	C30B—H30F	0.9800
C31A - C32A	1 538 (4)	C31B-C32B	1 527 (4)
C31A - C33A	1 544 (4)	C31B—C33B	1.527(1) 1.532(4)
C31A—H31A	1.0000	C31B—H31B	1.0000
C32A—H32A	0.9800	C32B—H32D	0.9800
C32A—H32B	0.9800	C32B—H32E	0.9800
$C_{32}A - H_{32}C$	0.9800	C32B—H32F	0.9800
C33A—H33A	0.9800	C33B—H33D	0.9800
C33A—H33B	0.9800	C33B—H33E	0.9800
C33A—H33C	0.9800	C33B—H33F	0.9800
C34A—C36A	1.532 (4)	C34B—C36B	1.531 (4)
C34A—C35A	1.535 (4)	C34B—C35B	1.536 (4)
C34A—H34A	1.0000	C34B—H34B	1.0000
C35A—H35A	0.9800	C35B—H35D	0.9800
C35A—H35B	0.9800	C35B—H35E	0.9800
C35A—H35C	0.9800	C35B—H35F	0.9800
C36A—H36A	0.9800	C36B—H36D	0.9800
C36A—H36B	0.9800	C36B—H36E	0.9800
C36A—H36C	0.9800	C36B—H36F	0.9800
	0.9000		0.9000
N4A—Ni1A—N2A	148.45 (9)	N4B—Ni1B—N2B	148.84 (9)
N4A—Ni1A—N1A	122.96 (8)	N4B—Ni1B—N3B	84.27 (9)
N2A—Ni1A—N1A	84.10 (8)	N2B—Ni1B—N3B	112.36 (9)
N4A—Ni1A—N3A	84.62 (9)	N4B—Ni1B—N1B	118.98 (9)
N2A—Ni1A—N3A	109.19 (8)	N2B—Ni1B—N1B	83.97 (8)
N1A—Ni1A—N3A	98.12 (9)	N3B—Ni1B—N1B	103.14 (8)
N2A—Si1A—C22A	116.87 (11)	N2B—Si1B—C25B	104.23 (11)
N2A—Si1A—C19A	111.91 (11)	N2B—Si1B—C22B	108.52 (11)
C22A—Si1A—C19A	105.25 (11)	C25B—Si1B—C22B	111.75 (13)
N2A—Si1A—C25A	104.61 (10)	N2B—Si1B—C19B	112.00 (12)
C22A—Si1A— $C25A$	106.44 (12)	$C_{25B}$ SilB $C_{19B}$	111.95(12)

C19A—Si1A—C25A	111.76 (12)	C22B—Si1B—C19B	108.35 (13)
N4A—Si2A—C28A	109.15 (10)	N4B—Si2B—C34B	112.65 (11)
N4A—Si2A—C31A	111.73 (11)	N4B—Si2B—C31B	114.47 (11)
C28A—Si2A—C31A	108.86 (12)	C34B—Si2B—C31B	106.42 (12)
N4A—Si2A—C34A	110.77 (11)	N4B—Si2B—C28B	103.96 (11)
C28A—Si2A—C34A	109.65 (12)	C34B—Si2B—C28B	112.80 (12)
C31A—Si2A—C34A	106.62 (12)	C31B—Si2B—C28B	106.53 (12)
C1A—N1A—C9A	119.8 (2)	C1B—N1B—C9B	119.4 (2)
C1A—N1A—Ni1A	128.39 (18)	C1B—N1B—Ni1B	129.09 (18)
C9A—N1A—Ni1A	111.79 (16)	C9B—N1B—Ni1B	111.53 (16)
C8A—N2A—Si1A	125.42 (17)	C8B—N2B—Si1B	124.02 (17)
C8A—N2A—Ni1A	111.27 (16)	C8B—N2B—Ni1B	111.78 (16)
Si1A—N2A—Ni1A	122.92 (11)	Si1B—N2B—Ni1B	124.11 (11)
C10A—N3A—C18A	119.9 (2)	C10B—N3B—C18B	119.7 (2)
C10A—N3A—Ni1A	128.79 (19)	C10B—N3B—Ni1B	128.84(18)
C18A—N3A—Ni1A	110.72 (16)	C18B = N3B = Ni1B	111.30 (16)
C17A - N4A - Si2A	120.87 (16)	C17B $N4B$ $Si2B$	125.04 (17)
C17A - N4A - Ni1A	110 75 (15)	C17B $N4B$ $N1B$	111 40 (16)
Si2A—N4A—Ni1A	128 38 (12)	Si2B—N4B—Ni1B	123 53 (11)
N1A—C1A—C2A	120.30(12) 122.4(3)	N1B-C1B-C2B	122.9 (3)
NIA—CIA—HIAA	118.8	N1B—C1B—H1BA	118.6
C2A - C1A - H1AA	118.8	$C^2B$ — $C^1B$ — $H^1BA$	118.6
$C_{3A}$ $C_{2A}$ $C_{1A}$	118.5 (2)	C3B-C2B-C1B	118.8 (3)
$C_{3A}$ $C_{2A}$ $H_{2AA}$	120.7	C3B - C2B - H2BA	120.6
C1A - C2A - H2AA	120.7	C1B—C2B—H2BA	120.0
$C^2A - C^3A - C^4A$	120.7 120.9(3)	C2B-C3B-C4B	120.0 120.4(2)
$C_{2A}$ $C_{3A}$ $H_{3AA}$	119.6	C2B—C3B—H3BA	119.8
C4A - C3A - H3AA	119.6	C4B-C3B-H3BA	119.8
$C_{3A}$ $C_{4A}$ $C_{9A}$	117.1 (2)	C3B-C4B-C5B	124 2 (2)
$C_{3A}$ $C_{4A}$ $C_{5A}$	1241(2)	C3B-C4B-C9B	12.12(2) 117.0(2)
C9A - C4A - C5A	118.8(2)	C5B-C4B-C9B	117.0(2) 118.8(2)
C6A - C5A - C4A	118.7(2)	C6B-C5B-C4B	118.8 (2)
C6A - C5A - H5AA	120.6	C6B—C5B—H5BA	120.6
C4A - C5A - H5AA	120.6	C4B-C5B-H5BA	120.6
$C_{5A}$ $C_{6A}$ $C_{7A}$	122.3(2)	C5B-C6B-C7B	120.0 122.4(2)
C5A - C6A - H6AA	118.9	C5B-C6B-H6BA	118.8
C7A - C6A - H6AA	118.9	C7B—C6B—H6BA	118.8
C8A - C7A - C6A	122 6 (2)	C8B-C7B-C6B	121.9(2)
C8A - C7A - H7AA	118 7	C8B-C7B-H7BA	119 1
C6A - C7A - H7AA	118.7	C6B-C7B-H7BA	119.1
N2A - C8A - C7A	128.3 (2)	$N^2B$ — $C^8B$ — $C^7B$	128.0(2)
N2A - C8A - C9A	120.3(2) 1174(2)	N2B = C8B = C9B	120.0(2) 1170(2)
C7A - C8A - C9A	114 3 (2)	C7B—C8B—C9B	117.0(2) 115.0(2)
N1A—C9A—C4A	1214(2)	N1B-C9B-C4B	1215(2)
N1A—C9A—C8A	1153(2)	N1B-C9B-C8B	115.6(2)
C4A - C9A - C8A	123 3 (2)	C4B-C9B-C8B	1230(2)
N3A—C10A—C11A	123.3(2) 122.1(3)	N3B-C10B-C11B	122.5 (3)
N3A—C10A—H10A	119.0	N3B—C10B—H10B	118.8

C11A—C10A—H10A	119.0	C11B—C10B—H10B	118.8
C12A—C11A—C10A	119.1 (2)	C12B—C11B—C10B	119.2 (3)
C12A—C11A—H11A	120.5	C12B—C11B—H11B	120.4
C10A—C11A—H11A	120.5	C10B—C11B—H11B	120.4
C11A—C12A—C13A	120.6 (3)	C11B—C12B—C13B	120.2 (3)
C11A—C12A—H12A	119.7	C11B—C12B—H12B	119.9
C13A—C12A—H12A	119.7	C13B—C12B—H12B	119.9
C14A—C13A—C18A	119.1 (2)	C12B—C13B—C14B	124.3 (2)
C14A—C13A—C12A	124.2 (3)	C12B—C13B—C18B	117.2 (2)
C18A—C13A—C12A	116.7 (2)	C14B—C13B—C18B	118.4 (2)
C15A—C14A—C13A	118.6 (3)	C15B-C14B-C13B	118.5 (2)
C15A - C14A - H14A	120.7	C15B-C14B-H14B	120.7
C13A - C14A - H14A	120.7	C13B— $C14B$ — $H14B$	120.7
C14A - C15A - C16A	120.7 122.3(3)	C14B— $C15B$ — $C16B$	123.1(3)
C14A - C15A - H15A	118.9	C14B— $C15B$ — $H15B$	118.4
$C_{16A}$ $C_{15A}$ $H_{15A}$	118.9	C16B— $C15B$ — $H15B$	118.4
C17A - C16A - C15A	122 2 (2)	C15B— $C16B$ — $C17B$	121.7(3)
C17A - C16A - H16A	118.9	C15B— $C16B$ — $H16B$	119.1
C15A - C16A - H16A	118.9	C17B— $C16B$ — $H16B$	119.1
N4A = C17A = C16A	127.5(2)	N4B— $C17B$ — $C16B$	117.1 127.8(2)
N4A = C17A = C18A	127.3(2) 117.7(2)	N4B - C17B - C18B	127.0(2) 117.5(2)
$C_{16A}$ $C_{17A}$ $C_{18A}$	117.7(2) 114.8(2)	C16B-C17B-C18B	117.3(2) 114.7(2)
N3A - C18A - C13A	121.7(2)	N3B— $C18B$ — $C13B$	121.2(2)
N3A - C18A - C17A	121.7(2) 1154(2)	N3B - C18B - C17B	121.2(2) 1153(2)
C13A - C18A - C17A	113.4(2) 122.9(2)	C13B - C18B - C17B	113.3(2) 123.4(2)
$C_{20A}$ $C_{19A}$ $C_{21A}$	122.9(2) 111.7(2)	$C_{13B} = C_{19B} = C_{20B}$	123.1(2) 110.4(2)
$C_{20A}$ $C_{19A}$ $S_{11A}$	113.78(18)	$C_{21B} = C_{19B} = S_{11B}$	113.8(2)
$C_{21A}$ $C_{19A}$ $S_{11A}$	112 23 (18)	$C_{20B}$ $C_{19B}$ $S_{11B}$	113.0(2) 111.94(19)
$C_{20A}$ $C_{19A}$ $H_{19A}$	106.2	$C_{21B}$ $C_{19B}$ $H_{19B}$	106.8
$C_{21}A - C_{19}A - H_{19}A$	106.2	$C_{20}B - C_{19}B - H_{19}B$	106.8
Sila $-C19A$ -H19A	106.2	Si1B-C19B-H19B	106.8
C19A - C20A - H20A	109.5	C19B-C20B-H20D	109.5
C19A - C20A - H20B	109.5	C19B $C20B$ $H20E$	109.5
$H_{20A}$ $C_{20A}$ $H_{20B}$	109.5	$H_{20}D - C_{20}B - H_{20}E$	109.5
C19A - C20A - H20C	109.5	C19B-C20B-H20F	109.5
$H_{20A}$ $-C_{20A}$ $-H_{20C}$	109.5	$H_{20}D - C_{20}B - H_{20}F$	109.5
$H_{20B}$ $C_{20A}$ $H_{20C}$	109.5	H20E - C20B - H20F	109.5
C19A - C21A - H21A	109.5	C19B - C21B - H21D	109.5
C19A - C21A - H21B	109.5	C19B $C21B$ $H21E$	109.5
$H_{21A}$ $C_{21A}$ $H_{21B}$	109.5	$H_{21}D - C_{21}B - H_{21}E$	109.5
C19A - C21A - H21C	109.5	C19B-C21B-H21F	109.5
$H_{21A}$ $C_{21A}$ $H_{21C}$	109.5	$H_{21D}$ $C_{21B}$ $H_{21F}$	109.5
$H_{21B}$ $C_{21A}$ $H_{21C}$	109.5	H21E-C21B-H21F	109.5
C24A - C22A - C23A	108.8 (2)	$C_{23B} C_{22B} C_{24B}$	109.5 1104(2)
C24A = C22A = Si1A	114 80 (18)	$C_{23B}$ $C_{22B}$ $C_{24B}$	112.7(2)
$C_{23A}$ $C_{22A}$ $S_{11A}$	117.6 (2)	$C_{24B}$ $C_{22B}$ $S_{11B}$	112.7(2) 116.8(2)
C24A = C22A = H22A	104.8	C23B—C22B—H22B	105 3
$C_{23A} - C_{22A} + H_{22A}$	104.8	C24B—C22B—H22B	105.3
	10110		100.0

Si1A—C22A—H22A	104.8	Si1B—C22B—H22B	105.3
C22A—C23A—H23A	109.5	C22B—C23B—H23D	109.5
C22A—C23A—H23B	109.5	C22B—C23B—H23E	109.5
H23A—C23A—H23B	109.5	H23D—C23B—H23E	109.5
C22A—C23A—H23C	109.5	C22B—C23B—H23F	109.5
H23A—C23A—H23C	109.5	H23D—C23B—H23F	109.5
H23B—C23A—H23C	109.5	H23E—C23B—H23F	109.5
C22A—C24A—H24A	109.5	C22B—C24B—H24D	109.5
C22A—C24A—H24B	109.5	C22B—C24B—H24E	109.5
H24A—C24A—H24B	109.5	H24D—C24B—H24E	109.5
$C^{22}A - C^{24}A - H^{24}C$	109.5	C22B-C24B-H24F	109.5
$H_{24A}$ $C_{24A}$ $H_{24C}$	109.5	$H_{24}D - C_{24}B - H_{24}F$	109.5
$H_24R = C_24A = H_24C$	109.5	H24E $C24B$ $H24F$	109.5
$C_{27A} C_{25A} C_{26A}$	109.3 107.4(2)	$\begin{array}{c} 11242 - 0.243 - 11241 \\ 0.278 - 0.258 - 0.268 \end{array}$	109.3 100.3(2)
$C_2/A = C_2 S_A = C_2 O_A$	107.4(2) 115.70(18)	$C_{27D} = C_{25D} = C_{20D}$	109.5(2)
$C_2/A = C_25A = SIIA$	115.79 (10)	$C_2/B$ — $C_25B$ — $S_{11}B$	110.3(2)
$C_{20A} = C_{25A} = S_{11A}$	115.25 (19)	C20B—C25B—SIIB	115.1 (2)
$C_2/A = C_25A = H_25A$	105.8	$C_2/B = C_2SB = H_2SB$	104.9
C26A—C25A—H25A	105.8	C26B—C25B—H25B	104.9
S11A—C25A—H25A	105.8	S11B—C25B—H25B	104.9
С25А—С26А—Н26А	109.5	C25B—C26B—H26D	109.5
C25A—C26A—H26B	109.5	C25B—C26B—H26E	109.5
H26A—C26A—H26B	109.5	H26D—C26B—H26E	109.5
C25A—C26A—H26C	109.5	C25B—C26B—H26F	109.5
H26A—C26A—H26C	109.5	H26D—C26B—H26F	109.5
H26B—C26A—H26C	109.5	H26E—C26B—H26F	109.5
С25А—С27А—Н27А	109.5	C25B—C27B—H27D	109.5
С25А—С27А—Н27В	109.5	С25В—С27В—Н27Е	109.5
H27A—C27A—H27B	109.5	H27D—C27B—H27E	109.5
C25A—C27A—H27C	109.5	C25B—C27B—H27F	109.5
H27A—C27A—H27C	109.5	H27D—C27B—H27F	109.5
H27B—C27A—H27C	109.5	H27E—C27B—H27F	109.5
C29A—C28A—C30A	109.8 (2)	C29B—C28B—C30B	108.7 (2)
C29A—C28A—Si2A	115.17 (19)	C29B—C28B—Si2B	115.1 (2)
C30A—C28A—Si2A	112.65 (18)	C30B—C28B—Si2B	115.7 (2)
C29A - C28A - H28A	106.2	C29B—C28B—H28B	105.4
$C_{30A} - C_{28A} - H_{28A}$	106.2	C30B-C28B-H28B	105.4
Si2A = C28A = H28A	106.2	Si2B-C28B-H28B	105.4
$C_{28A} = C_{20A} = H_{20A}$	100.2	$C_{28B} = C_{20B} = H_{20D}$	109.4
$C_{20A} = C_{20A} = H_{20B}$	109.5	$C_{28} = C_{29} = H_{29} = H_{29}$	109.5
$C_{20A} = C_{20A} = H_{20B}$	109.5	$C_{20}B - C_{20}B - H_{20}E$	109.5
$H_29A - C_29A - H_29B$	109.5	$H_29D - C_29B - H_29E$	109.5
C28A—C29A—H29C	109.5	C28B—C29B—H29F	109.5
H29A—C29A—H29C	109.5	H29D—C29B—H29F	109.5
Н29В—С29А—Н29С	109.5	H29E—C29B—H29F	109.5
C28A—C30A—H30A	109.5	C28B—C30B—H30D	109.5
C28A—C30A—H30B	109.5	C28B—C30B—H30E	109.5
H30A—C30A—H30B	109.5	H30D—C30B—H30E	109.5
C28A—C30A—H30C	109.5	C28B—C30B—H30F	109.5
H30A—C30A—H30C	109.5	H30D—C30B—H30F	109.5

H30B-C30A-H30C	109 5	H30E—C30B—H30F	109 5
$C_{32}A - C_{31}A - C_{33}A$	110 2 (2)	$C_{32B}$ $C_{31B}$ $C_{33B}$	109.7(2)
$C_{32}A - C_{31}A - S_{i2}A$	110.2(2) 114 30(18)	C32B— $C31B$ — $Si2B$	109.7(2)
$C_{33}A = C_{31}A = S_{12}A$	1140(2)	$C_{33B}$ $C_{31B}$ $S_{12B}$	118.6 (2)
$C_{32}A = C_{31}A = H_{31}A$	105.9	$C_{32}B = C_{31}B = H_{31}B$	105.3
$C_{32}A = C_{31}A = H_{31}A$	105.9	$C_{32B} = C_{31B} = H_{31B}$	105.3
Si2A-C31A-H31A	105.9	Si2B-C31B-H31B	105.3
$C_{31A}$ $C_{32A}$ $H_{32A}$	109.5	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	109.5
$C_{31A} = C_{32A} = H_{32R}$	109.5	C31B C32B H32E	109.5
H32A C32A H32B	109.5	H32D  C32B  H32E	109.5
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	109.5	$\begin{array}{cccc} \text{II} & II$	109.5
$H_{22A} = C_{22A} = H_{22C}$	109.5	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	109.5
$H_{22} = C_{22} = H_{22} = C_{22} = H_{22} = C_{22} = H_{22} = C_{22} = H_{22} = C_{22} = C$	109.5	$H_{22E} = C_{22E} = H_{22E}$	109.5
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	109.5	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	109.5
$C_{21A} = C_{22A} = H_{22B}$	109.5	C31B—C33B—H33D	109.5
СЗГА—СЗЗА—ПЗЗВ	109.5		109.5
H33A—C33A—H33B	109.5	H33D—C33B—H33E	109.5
C31A—C33A—H33C	109.5	C31B—C33B—H33F	109.5
H33A—C33A—H33C	109.5	H33D—C33B—H33F	109.5
H33B—C33A—H33C	109.5	H33E—C33B—H33F	109.5
C36A—C34A—C35A	109.9 (2)	C36B—C34B—C35B	111.0 (2)
C36A—C34A—S12A	113.1 (2)	C36B—C34B—S12B	112.1 (2)
C35A—C34A—Si2A	113.44 (18)	C35B—C34B—Si2B	114.5 (2)
C36A—C34A—H34A	106.6	C36B—C34B—H34B	106.2
C35A—C34A—H34A	106.6	C35B—C34B—H34B	106.2
Si2A—C34A—H34A	106.6	Si2B—C34B—H34B	106.2
C34A—C35A—H35A	109.5	C34B—C35B—H35D	109.5
C34A—C35A—H35B	109.5	C34B—C35B—H35E	109.5
H35A—C35A—H35B	109.5	H35D—C35B—H35E	109.5
C34A—C35A—H35C	109.5	C34B—C35B—H35F	109.5
H35A—C35A—H35C	109.5	H35D—C35B—H35F	109.5
H35B—C35A—H35C	109.5	H35E—C35B—H35F	109.5
С34А—С36А—Н36А	109.5	C34B—C36B—H36D	109.5
С34А—С36А—Н36В	109.5	C34B—C36B—H36E	109.5
H36A—C36A—H36B	109.5	H36D—C36B—H36E	109.5
С34А—С36А—Н36С	109.5	C34B—C36B—H36F	109.5
H36A—C36A—H36C	109.5	H36D—C36B—H36F	109.5
H36B—C36A—H36C	109.5	H36E—C36B—H36F	109.5