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Table 1. Crystal data and structure refinement for compound 2a.

Identification code	s2279a
Empirical formula	C48 H54 Si6
Formula weight	799.45
Temperature	125(2) K
Wavelength	0.71073 A
Crystal system, space group	Monoclinic, P 21/c
Unit cell dimensions	a = 20.8757(5) A alpha = 90 deg. b = 10.0414(2) A beta = 115.4781(8) c = 23.4955(6) A gamma = 90 deg.
Volume	4446.18(18) A^3
Z, Calculated density	4, 1.194 Mg/m^3
Absorption coefficient	0.220 mm^-1
F(000)	1704
Crystal size	0.54 x 0.12 x 0.12 mm
Theta range for data collection	1.75 to 25.50 deg.
Limiting indices	-25<=h<=25, -12<=k<=12, -28<=l<=28
Reflections collected / unique	65227 / 8270 [R(int) = 0.0776]
Completeness to theta = 25.50	100.0 %
Absorption correction	Semi-empirical from equivalents
Max. and min. transmission	1.09 and 0.90
Refinement method	Full-matrix least-squares on F^2
Data / restraints / parameters	8270 / 0 / 497
Goodness-of-fit on F^2	1.017
Final R indices [I>2sigma(I)]	R1 = 0.0382, wR2 = 0.0807
R indices (all data)	R1 = 0.0581, wR2 = 0.0881
Largest diff. peak and hole	0.358 and -0.274 e.A^-3

Table 2. Atomic coordinates (x 10^4) and equivalent isotropic displacement parameters (A^2 x 10^3) for compound 2a.
U(eq) is defined as one third of the trace of the orthogonalized Uij tensor.

	x	y	z	U(eq)
Si(1)	3395(1)	3254(1)	5009(1)	19(1)
Si(2)	2168(1)	3063(1)	4701(1)	18(1)
Si(3)	1557(1)	4348(1)	3794(1)	19(1)
Si(4)	2073(1)	6497(1)	3927(1)	18(1)
Si(5)	2946(1)	7068(1)	4942(1)	20(1)
Si(6)	3742(1)	5341(1)	5497(1)	20(1)
C(1)	3517(1)	3162(2)	4257(1)	27(1)
C(2A)	1880(1)	3805(2)	5296(1)	25(1)
C(2B)	1874(1)	1278(2)	4531(1)	28(1)
C(3A)	1577(1)	3531(2)	3079(1)	28(1)
C(3B)	600(1)	4365(2)	3670(1)	28(1)
C(4)	2568(1)	6544(2)	3416(1)	27(1)
C(5A)	2571(1)	7776(2)	5478(1)	28(1)
C(5B)	3466(1)	8437(2)	4777(1)	33(1)
C(6A)	3801(1)	5247(2)	6317(1)	32(1)
C(6B)	4649(1)	5774(2)	5562(1)	34(1)
C(11)	3995(1)	1902(2)	5543(1)	20(1)
C(21)	4593(1)	1512(2)	5457(1)	23(1)
C(31)	5056(1)	525(2)	5818(1)	25(1)
C(41)	5400(1)	-1188(2)	6661(1)	29(1)
C(51)	5276(1)	-1814(2)	7112(1)	31(1)
C(61)	4551(1)	-2090(2)	7709(1)	36(1)
C(71)	3984(1)	-1721(2)	7825(1)	38(1)
C(81)	3529(1)	-723(2)	7476(1)	32(1)
C(91)	3186(1)	986(2)	6635(1)	25(1)
C(101)	3309(1)	1611(2)	6181(1)	23(1)
C(111)	4942(1)	-144(2)	6285(1)	22(1)
C(121)	4687(1)	-1464(2)	7240(1)	27(1)
C(131)	3638(1)	-65(2)	7000(1)	25(1)
C(141)	3882(1)	1257(2)	6029(1)	20(1)
C(151)	4345(1)	219(2)	6392(1)	20(1)
C(161)	4221(1)	-440(2)	6876(1)	22(1)
C(12)	1386(1)	7882(2)	3630(1)	18(1)
C(22)	1370(1)	8730(2)	3150(1)	20(1)
C(32)	878(1)	9746(2)	2907(1)	22(1)
C(42)	-153(1)	11014(2)	2888(1)	24(1)
C(52)	-648(1)	11195(2)	3105(1)	26(1)
C(62)	-1191(1)	10518(2)	3817(1)	31(1)
C(72)	-1187(1)	9726(2)	4301(1)	33(1)
C(82)	-672(1)	8760(2)	4570(1)	28(1)
C(92)	381(1)	7538(2)	4608(1)	23(1)
C(102)	864(1)	7332(2)	4381(1)	20(1)
C(112)	366(1)	9969(2)	3128(1)	20(1)
C(122)	-677(1)	10364(2)	3590(1)	24(1)
C(132)	-155(1)	8541(2)	4350(1)	23(1)
C(142)	880(1)	8105(2)	3871(1)	17(1)
C(152)	362(1)	9135(2)	3616(1)	19(1)
C(162)	-155(1)	9346(2)	3853(1)	21(1)
C(13)	2688(1)	5085(2)	7275(1)	41(1)
C(23)	2237(1)	6038(2)	6890(1)	39(1)
C(33)	1543(1)	5718(2)	6511(1)	41(1)
C(43)	1296(1)	4437(2)	6511(1)	39(1)
C(53)	1749(2)	3482(3)	6893(1)	42(1)

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C(63)	2442(2)	3808(3)	7277(1)	47(1)

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Table 3. Bond lengths [A] and angles [deg] for compound 2a.

Si(1)-C(1)	1.891(2)
Si(1)-C(11)	1.907(2)
Si(1)-Si(6)	2.3494(8)
Si(1)-Si(2)	2.3525(8)
Si(2)-C(2B)	1.881(2)
Si(2)-C(2A)	1.895(2)
Si(2)-Si(3)	2.3440(8)
Si(3)-C(3A)	1.887(2)
Si(3)-C(3B)	1.891(2)
Si(3)-Si(4)	2.3728(7)
Si(4)-C(4)	1.892(2)
Si(4)-C(12)	1.902(2)
Si(4)-Si(5)	2.3652(8)
Si(5)-C(5A)	1.884(2)
Si(5)-C(5B)	1.893(2)
Si(5)-Si(6)	2.3679(8)
Si(6)-C(6A)	1.880(2)
Si(6)-C(6B)	1.884(2)
C(1)-H(1A)	0.9800
C(1)-H(1B)	0.9800
C(1)-H(1C)	0.9800
C(2A)-H(2A)	0.9800
C(2A)-H(2B)	0.9800
C(2A)-H(2C)	0.9800
C(2B)-H(2D)	0.9800
C(2B)-H(2E)	0.9800
C(2B)-H(2F)	0.9800
C(3A)-H(3A)	0.9800
C(3A)-H(3B)	0.9800
C(3A)-H(3C)	0.9800
C(3B)-H(3D)	0.9800
C(3B)-H(3E)	0.9800
C(3B)-H(3F)	0.9800
C(4)-H(4A)	0.9800
C(4)-H(4B)	0.9800
C(4)-H(4C)	0.9800
C(5A)-H(5A)	0.9800
C(5A)-H(5B)	0.9800
C(5A)-H(5C)	0.9800
C(5B)-H(5D)	0.9800
C(5B)-H(5E)	0.9800
C(5B)-H(5F)	0.9800
C(6A)-H(6A)	0.9800
C(6A)-H(6B)	0.9800
C(6A)-H(6C)	0.9800
C(6B)-H(6D)	0.9800
C(6B)-H(6E)	0.9800
C(6B)-H(6F)	0.9800
C(11)-C(21)	1.402(3)
C(11)-C(141)	1.417(3)
C(21)-C(31)	1.389(3)
C(21)-H(21)	0.9500
C(31)-C(111)	1.392(3)
C(31)-H(31)	0.9500
C(41)-C(51)	1.350(3)
C(41)-C(111)	1.438(3)
C(41)-H(41)	0.9500
C(51)-C(121)	1.429(3)
C(51)-H(51)	0.9500
C(61)-C(71)	1.375(3)

C(61)-C(121)	1.401(3)
C(61)-H(61)	0.9500
C(71)-C(81)	1.381(3)
C(71)-H(71)	0.9500
C(81)-C(131)	1.398(3)
C(81)-H(81)	0.9500
C(91)-C(101)	1.353(3)
C(91)-C(131)	1.429(3)
C(91)-H(91)	0.9500
C(101)-C(141)	1.434(3)
C(101)-H(101)	0.9500
C(111)-C(151)	1.420(3)
C(121)-C(161)	1.421(3)
C(131)-C(161)	1.419(3)
C(141)-C(151)	1.428(3)
C(151)-C(161)	1.432(3)
C(12)-C(22)	1.401(3)
C(12)-C(142)	1.415(3)
C(22)-C(32)	1.384(3)
C(22)-H(22)	0.9500
C(32)-C(112)	1.393(3)
C(32)-H(32)	0.9500
C(42)-C(52)	1.346(3)
C(42)-C(112)	1.437(3)
C(42)-H(42)	0.9500
C(52)-C(122)	1.434(3)
C(52)-H(52)	0.9500
C(62)-C(72)	1.383(3)
C(62)-C(122)	1.397(3)
C(62)-H(62)	0.9500
C(72)-C(82)	1.382(3)
C(72)-H(72)	0.9500
C(82)-C(132)	1.400(3)
C(82)-H(82)	0.9500
C(92)-C(102)	1.346(3)
C(92)-C(132)	1.432(3)
C(92)-H(92)	0.9500
C(102)-C(142)	1.440(3)
C(102)-H(102)	0.9500
C(112)-C(152)	1.423(3)
C(122)-C(162)	1.426(3)
C(132)-C(162)	1.421(3)
C(142)-C(152)	1.428(3)
C(152)-C(162)	1.428(3)
C(13)-C(23)	1.374(3)
C(13)-C(63)	1.382(4)
C(13)-H(13)	0.9500
C(23)-C(33)	1.372(3)
C(23)-H(23)	0.9500
C(33)-C(43)	1.385(3)
C(33)-H(33)	0.9500
C(43)-C(53)	1.374(3)
C(43)-H(43)	0.9500
C(53)-C(63)	1.376(4)
C(53)-H(53)	0.9500
C(63)-H(63)	0.9500

C(1)-Si(1)-C(11)	105.43(9)
C(1)-Si(1)-Si(6)	111.26(7)
C(11)-Si(1)-Si(6)	109.67(6)
C(1)-Si(1)-Si(2)	105.98(7)
C(11)-Si(1)-Si(2)	117.68(6)
Si(6)-Si(1)-Si(2)	106.78(3)
C(2B)-Si(2)-C(2A)	110.70(10)

C(2B)-Si(2)-Si(3)	109.36(7)
C(2A)-Si(2)-Si(3)	103.50(7)
C(2B)-Si(2)-Si(1)	110.78(7)
C(2A)-Si(2)-Si(1)	112.98(7)
Si(3)-Si(2)-Si(1)	109.23(3)
C(3A)-Si(3)-C(3B)	107.11(10)
C(3A)-Si(3)-Si(2)	111.05(7)
C(3B)-Si(3)-Si(2)	105.69(7)
C(3A)-Si(3)-Si(4)	109.26(7)
C(3B)-Si(3)-Si(4)	113.68(7)
Si(2)-Si(3)-Si(4)	110.00(3)
C(4)-Si(4)-C(12)	106.28(9)
C(4)-Si(4)-Si(5)	103.88(7)
C(12)-Si(4)-Si(5)	108.99(6)
C(4)-Si(4)-Si(3)	106.27(7)
C(12)-Si(4)-Si(3)	112.86(6)
Si(5)-Si(4)-Si(3)	117.54(3)
C(5A)-Si(5)-C(5B)	107.59(10)
C(5A)-Si(5)-Si(4)	113.87(7)
C(5B)-Si(5)-Si(4)	103.29(8)
C(5A)-Si(5)-Si(6)	107.64(7)
C(5B)-Si(5)-Si(6)	108.43(8)
Si(4)-Si(5)-Si(6)	115.58(3)
C(6A)-Si(6)-C(6B)	107.98(11)
C(6A)-Si(6)-Si(1)	109.04(8)
C(6B)-Si(6)-Si(1)	109.44(7)
C(6A)-Si(6)-Si(5)	108.82(7)
C(6B)-Si(6)-Si(5)	108.58(8)
Si(1)-Si(6)-Si(5)	112.85(3)
Si(1)-C(1)-H(1A)	109.5
Si(1)-C(1)-H(1B)	109.5
H(1A)-C(1)-H(1B)	109.5
Si(1)-C(1)-H(1C)	109.5
H(1A)-C(1)-H(1C)	109.5
H(1B)-C(1)-H(1C)	109.5
Si(2)-C(2A)-H(2A)	109.5
Si(2)-C(2A)-H(2B)	109.5
H(2A)-C(2A)-H(2B)	109.5
Si(2)-C(2A)-H(2C)	109.5
H(2A)-C(2A)-H(2C)	109.5
H(2B)-C(2A)-H(2C)	109.5
Si(2)-C(2B)-H(2D)	109.5
Si(2)-C(2B)-H(2E)	109.5
H(2D)-C(2B)-H(2E)	109.5
Si(2)-C(2B)-H(2F)	109.5
H(2D)-C(2B)-H(2F)	109.5
H(2E)-C(2B)-H(2F)	109.5
Si(3)-C(3A)-H(3A)	109.5
Si(3)-C(3A)-H(3B)	109.5
H(3A)-C(3A)-H(3B)	109.5
Si(3)-C(3A)-H(3C)	109.5
H(3A)-C(3A)-H(3C)	109.5
H(3B)-C(3A)-H(3C)	109.5
Si(3)-C(3B)-H(3D)	109.5
Si(3)-C(3B)-H(3E)	109.5
H(3D)-C(3B)-H(3E)	109.5
Si(3)-C(3B)-H(3F)	109.5
H(3D)-C(3B)-H(3F)	109.5
H(3E)-C(3B)-H(3F)	109.5
Si(4)-C(4)-H(4A)	109.5
Si(4)-C(4)-H(4B)	109.5
H(4A)-C(4)-H(4B)	109.5
Si(4)-C(4)-H(4C)	109.5
H(4A)-C(4)-H(4C)	109.5

H(4B)-C(4)-H(4C)	109.5
Si(5)-C(5A)-H(5A)	109.5
Si(5)-C(5A)-H(5B)	109.5
H(5A)-C(5A)-H(5B)	109.5
Si(5)-C(5A)-H(5C)	109.5
H(5A)-C(5A)-H(5C)	109.5
H(5B)-C(5A)-H(5C)	109.5
Si(5)-C(5B)-H(5D)	109.5
Si(5)-C(5B)-H(5E)	109.5
H(5D)-C(5B)-H(5E)	109.5
Si(5)-C(5B)-H(5F)	109.5
H(5D)-C(5B)-H(5F)	109.5
H(5E)-C(5B)-H(5F)	109.5
Si(6)-C(6A)-H(6A)	109.5
Si(6)-C(6A)-H(6B)	109.5
H(6A)-C(6A)-H(6B)	109.5
Si(6)-C(6A)-H(6C)	109.5
H(6A)-C(6A)-H(6C)	109.5
H(6B)-C(6A)-H(6C)	109.5
Si(6)-C(6B)-H(6D)	109.5
Si(6)-C(6B)-H(6E)	109.5
H(6D)-C(6B)-H(6E)	109.5
Si(6)-C(6B)-H(6F)	109.5
H(6D)-C(6B)-H(6F)	109.5
H(6E)-C(6B)-H(6F)	109.5
C(21)-C(11)-C(141)	117.07(18)
C(21)-C(11)-Si(1)	118.48(15)
C(141)-C(11)-Si(1)	124.45(15)
C(31)-C(21)-C(11)	122.70(19)
C(31)-C(21)-H(21)	118.6
C(11)-C(21)-H(21)	118.6
C(21)-C(31)-C(111)	121.00(19)
C(21)-C(31)-H(31)	119.5
C(111)-C(31)-H(31)	119.5
C(51)-C(41)-C(111)	121.4(2)
C(51)-C(41)-H(41)	119.3
C(111)-C(41)-H(41)	119.3
C(41)-C(51)-C(121)	121.5(2)
C(41)-C(51)-H(51)	119.2
C(121)-C(51)-H(51)	119.2
C(71)-C(61)-C(121)	121.3(2)
C(71)-C(61)-H(61)	119.4
C(121)-C(61)-H(61)	119.4
C(61)-C(71)-C(81)	120.5(2)
C(61)-C(71)-H(71)	119.8
C(81)-C(71)-H(71)	119.8
C(71)-C(81)-C(131)	120.8(2)
C(71)-C(81)-H(81)	119.6
C(131)-C(81)-H(81)	119.6
C(101)-C(91)-C(131)	121.01(19)
C(101)-C(91)-H(91)	119.5
C(131)-C(91)-H(91)	119.5
C(91)-C(101)-C(141)	122.93(19)
C(91)-C(101)-H(101)	118.5
C(141)-C(101)-H(101)	118.5
C(31)-C(111)-C(151)	118.40(18)
C(31)-C(111)-C(41)	122.86(19)
C(151)-C(111)-C(41)	118.74(19)
C(61)-C(121)-C(161)	118.7(2)
C(61)-C(121)-C(51)	122.6(2)
C(161)-C(121)-C(51)	118.67(19)
C(81)-C(131)-C(161)	119.1(2)
C(81)-C(131)-C(91)	122.5(2)
C(161)-C(131)-C(91)	118.39(18)

C(11)-C(141)-C(151)	120.65(18)
C(11)-C(141)-C(101)	122.30(18)
C(151)-C(141)-C(101)	117.05(18)
C(111)-C(151)-C(141)	120.13(18)
C(111)-C(151)-C(161)	119.58(18)
C(141)-C(151)-C(161)	120.28(18)
C(131)-C(161)-C(121)	119.59(19)
C(131)-C(161)-C(151)	120.32(18)
C(121)-C(161)-C(151)	120.09(19)
C(22)-C(12)-C(142)	117.51(17)
C(22)-C(12)-Si(4)	119.55(15)
C(142)-C(12)-Si(4)	122.94(14)
C(32)-C(22)-C(12)	122.47(19)
C(32)-C(22)-H(22)	118.8
C(12)-C(22)-H(22)	118.8
C(22)-C(32)-C(112)	121.13(18)
C(22)-C(32)-H(32)	119.4
C(112)-C(32)-H(32)	119.4
C(52)-C(42)-C(112)	121.44(19)
C(52)-C(42)-H(42)	119.3
C(112)-C(42)-H(42)	119.3
C(42)-C(52)-C(122)	121.59(19)
C(42)-C(52)-H(52)	119.2
C(122)-C(52)-H(52)	119.2
C(72)-C(62)-C(122)	121.0(2)
C(72)-C(62)-H(62)	119.5
C(122)-C(62)-H(62)	119.5
C(82)-C(72)-C(62)	120.6(2)
C(82)-C(72)-H(72)	119.7
C(62)-C(72)-H(72)	119.7
C(72)-C(82)-C(132)	120.7(2)
C(72)-C(82)-H(82)	119.6
C(132)-C(82)-H(82)	119.6
C(102)-C(92)-C(132)	121.52(19)
C(102)-C(92)-H(92)	119.2
C(132)-C(92)-H(92)	119.2
C(92)-C(102)-C(142)	122.45(19)
C(92)-C(102)-H(102)	118.8
C(142)-C(102)-H(102)	118.8
C(32)-C(112)-C(152)	118.40(18)
C(32)-C(112)-C(42)	122.82(18)
C(152)-C(112)-C(42)	118.77(18)
C(62)-C(122)-C(162)	118.85(19)
C(62)-C(122)-C(52)	122.73(19)
C(162)-C(122)-C(52)	118.41(19)
C(82)-C(132)-C(162)	119.15(19)
C(82)-C(132)-C(92)	122.70(19)
C(162)-C(132)-C(92)	118.15(18)
C(12)-C(142)-C(152)	120.46(17)
C(12)-C(142)-C(102)	122.38(17)
C(152)-C(142)-C(102)	117.16(17)
C(112)-C(152)-C(142)	120.00(18)
C(112)-C(152)-C(162)	119.59(18)
C(142)-C(152)-C(162)	120.41(18)
C(132)-C(162)-C(122)	119.58(18)
C(132)-C(162)-C(152)	120.27(18)
C(122)-C(162)-C(152)	120.15(18)
C(23)-C(13)-C(63)	119.9(2)
C(23)-C(13)-H(13)	120.1
C(63)-C(13)-H(13)	120.1
C(33)-C(23)-C(13)	119.8(2)
C(33)-C(23)-H(23)	120.1
C(13)-C(23)-H(23)	120.1
C(23)-C(33)-C(43)	120.4(2)

C(23)-C(33)-H(33)	119.8
C(43)-C(33)-H(33)	119.8
C(53)-C(43)-C(33)	119.8(2)
C(53)-C(43)-H(43)	120.1
C(33)-C(43)-H(43)	120.1
C(43)-C(53)-C(63)	119.7(2)
C(43)-C(53)-H(53)	120.1
C(63)-C(53)-H(53)	120.1
C(53)-C(63)-C(13)	120.4(2)
C(53)-C(63)-H(63)	119.8
C(13)-C(63)-H(63)	119.8

Symmetry transformations used to generate equivalent atoms:

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Table 4. Anisotropic displacement parameters (A^2 x 10^3) for compound 2a
The anisotropic displacement factor exponent takes the form:
-2 pi^2 [h^2 a*^2 U11 + ... + 2 h k a* b* U12]

	U11	U22	U33	U23	U13	U12
Si(1)	19(1)	18(1)	20(1)	1(1)	9(1)	0(1)
Si(2)	19(1)	18(1)	19(1)	0(1)	8(1)	-1(1)
Si(3)	20(1)	18(1)	18(1)	-1(1)	7(1)	-1(1)
Si(4)	18(1)	18(1)	19(1)	0(1)	9(1)	0(1)
Si(5)	19(1)	17(1)	21(1)	-2(1)	8(1)	-2(1)
Si(6)	17(1)	20(1)	22(1)	-1(1)	7(1)	-1(1)
C(1)	26(1)	31(1)	26(1)	3(1)	13(1)	2(1)
C(2A)	23(1)	28(1)	26(1)	-1(1)	12(1)	1(1)
C(2B)	32(1)	23(1)	29(1)	-2(1)	12(1)	-5(1)
C(3A)	34(1)	23(1)	22(1)	-3(1)	9(1)	1(1)
C(3B)	22(1)	29(1)	29(1)	-2(1)	7(1)	-4(1)
C(4)	27(1)	29(1)	29(1)	4(1)	17(1)	5(1)
C(5A)	30(1)	25(1)	28(1)	-6(1)	11(1)	2(1)
C(5B)	34(1)	24(1)	35(1)	1(1)	11(1)	-7(1)
C(6A)	35(1)	35(1)	22(1)	1(1)	7(1)	2(1)
C(6B)	23(1)	32(1)	48(2)	-9(1)	16(1)	-4(1)
C(11)	21(1)	16(1)	22(1)	-3(1)	8(1)	-2(1)
C(21)	21(1)	22(1)	26(1)	-2(1)	10(1)	-3(1)
C(31)	19(1)	25(1)	31(1)	-7(1)	11(1)	0(1)
C(41)	23(1)	26(1)	33(1)	-5(1)	6(1)	4(1)
C(51)	27(1)	22(1)	30(1)	2(1)	0(1)	5(1)
C(61)	37(1)	30(1)	29(1)	10(1)	4(1)	1(1)
C(71)	41(2)	40(1)	29(1)	12(1)	12(1)	-4(1)
C(81)	31(1)	39(1)	27(1)	7(1)	12(1)	-2(1)
C(91)	22(1)	32(1)	23(1)	2(1)	11(1)	2(1)
C(101)	21(1)	25(1)	23(1)	3(1)	8(1)	4(1)
C(111)	19(1)	20(1)	22(1)	-6(1)	4(1)	-1(1)
C(121)	26(1)	21(1)	23(1)	0(1)	1(1)	-2(1)
C(131)	24(1)	26(1)	21(1)	0(1)	6(1)	-4(1)
C(141)	19(1)	17(1)	19(1)	-3(1)	5(1)	-2(1)
C(151)	17(1)	16(1)	19(1)	-5(1)	2(1)	-3(1)
C(161)	22(1)	19(1)	18(1)	-2(1)	2(1)	-4(1)
C(12)	20(1)	16(1)	16(1)	-3(1)	5(1)	-3(1)
C(22)	23(1)	21(1)	18(1)	-2(1)	10(1)	-3(1)
C(32)	27(1)	19(1)	17(1)	2(1)	8(1)	-5(1)
C(42)	27(1)	19(1)	20(1)	2(1)	4(1)	0(1)
C(52)	24(1)	18(1)	29(1)	-2(1)	4(1)	3(1)
C(62)	24(1)	25(1)	43(1)	-4(1)	13(1)	3(1)
C(72)	26(1)	32(1)	48(2)	-6(1)	23(1)	1(1)
C(82)	29(1)	27(1)	34(1)	-3(1)	19(1)	-5(1)
C(92)	26(1)	22(1)	22(1)	3(1)	12(1)	-2(1)
C(102)	21(1)	18(1)	21(1)	0(1)	8(1)	0(1)
C(112)	20(1)	16(1)	18(1)	-2(1)	4(1)	-3(1)
C(122)	21(1)	21(1)	28(1)	-5(1)	8(1)	-2(1)
C(132)	22(1)	21(1)	27(1)	-6(1)	11(1)	-5(1)
C(142)	17(1)	16(1)	17(1)	-2(1)	6(1)	-3(1)
C(152)	18(1)	16(1)	19(1)	-4(1)	5(1)	-4(1)
C(162)	19(1)	18(1)	23(1)	-5(1)	7(1)	-4(1)
C(13)	34(1)	46(2)	42(2)	1(1)	15(1)	3(1)
C(23)	48(2)	30(1)	41(2)	-2(1)	21(1)	0(1)
C(33)	46(2)	36(1)	36(1)	-2(1)	14(1)	12(1)
C(43)	38(2)	49(2)	36(1)	-12(1)	22(1)	-3(1)
C(53)	59(2)	38(1)	39(2)	2(1)	31(1)	-7(1)
C(63)	54(2)	40(2)	44(2)	11(1)	19(2)	9(1)

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Table 5. Hydrogen coordinates (x 10^4) and isotropic displacement parameters (A^2 x 10^3) for compound 2a.

	x	y	z	U(eq)
H(1A)	4008	3391	4348	40
H(1B)	3193	3791	3948	40
H(1C)	3413	2256	4086	40
H(2A)	1364	3926	5099	38
H(2B)	2112	4669	5439	38
H(2C)	2015	3204	5658	38
H(2D)	2140	734	4906	42
H(2E)	1964	953	4179	42
H(2F)	1366	1215	4421	42
H(3A)	1440	2594	3063	41
H(3B)	2057	3589	3105	41
H(3C)	1244	3987	2697	41
H(3D)	333	5017	3343	42
H(3E)	578	4609	4065	42
H(3F)	393	3479	3538	42
H(4A)	2243	6315	2981	40
H(4B)	2959	5901	3576	40
H(4C)	2759	7441	3427	40
H(5A)	2955	8175	5849	42
H(5B)	2347	7063	5613	42
H(5C)	2218	8459	5252	42
H(5D)	3140	9141	4529	49
H(5E)	3713	8071	4539	49
H(5F)	3813	8808	5176	49
H(6A)	4139	4550	6555	48
H(6B)	3333	5036	6296	48
H(6C)	3962	6105	6529	48
H(6D)	4799	6635	5774	51
H(6E)	4631	5827	5139	51
H(6F)	4989	5085	5805	51
H(21)	4684	1941	5140	28
H(31)	5456	304	5744	30
H(41)	5798	-1442	6591	35
H(51)	5588	-2504	7351	37
H(61)	4856	-2783	7952	43
H(71)	3904	-2156	8148	45
H(81)	3138	-481	7560	39
H(91)	2794	1251	6712	30
H(101)	3001	2315	5954	28
H(22)	1709	8603	2986	24
H(32)	890	10300	2584	26
H(42)	-147	11590	2570	29
H(52)	-985	11890	2933	31
H(62)	-1548	11176	3637	37
H(72)	-1541	9847	4448	40
H(82)	-669	8239	4909	34
H(92)	395	7005	4948	27
H(102)	1208	6651	4564	24
H(13)	3168	5303	7539	49
H(23)	2404	6916	6886	47
H(33)	1230	6378	6247	49
H(43)	816	4220	6247	47
H(53)	1583	2600	6891	50
H(63)	2754	3151	7545	56

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Table 6. Torsion angles [deg] for compound 2a.

C(1)-Si(1)-Si(2)-C(2B)	78.45(10)
C(11)-Si(1)-Si(2)-C(2B)	-39.11(11)
Si(6)-Si(1)-Si(2)-C(2B)	-162.84(8)
C(1)-Si(1)-Si(2)-C(2A)	-156.68(10)
C(11)-Si(1)-Si(2)-C(2A)	85.75(10)
Si(6)-Si(1)-Si(2)-C(2A)	-37.97(8)
C(1)-Si(1)-Si(2)-Si(3)	-42.06(8)
C(11)-Si(1)-Si(2)-Si(3)	-159.63(7)
Si(6)-Si(1)-Si(2)-Si(3)	76.64(3)
C(2B)-Si(2)-Si(3)-C(3A)	-47.74(11)
C(2A)-Si(2)-Si(3)-C(3A)	-165.76(10)
Si(1)-Si(2)-Si(3)-C(3A)	73.64(8)
C(2B)-Si(2)-Si(3)-C(3B)	68.08(10)
C(2A)-Si(2)-Si(3)-C(3B)	-49.94(10)
Si(1)-Si(2)-Si(3)-C(3B)	-170.54(7)
C(2B)-Si(2)-Si(3)-Si(4)	-168.82(8)
C(2A)-Si(2)-Si(3)-Si(4)	73.16(7)
Si(1)-Si(2)-Si(3)-Si(4)	-47.44(4)
C(3A)-Si(3)-Si(4)-C(4)	-15.20(11)
C(3B)-Si(3)-Si(4)-C(4)	-134.77(10)
Si(2)-Si(3)-Si(4)-C(4)	106.95(7)
C(3A)-Si(3)-Si(4)-C(12)	100.91(10)
C(3B)-Si(3)-Si(4)-C(12)	-18.66(10)
Si(2)-Si(3)-Si(4)-C(12)	-136.95(7)
C(3A)-Si(3)-Si(4)-Si(5)	-130.91(8)
C(3B)-Si(3)-Si(4)-Si(5)	109.52(8)
Si(2)-Si(3)-Si(4)-Si(5)	-8.77(4)
C(4)-Si(4)-Si(5)-C(5A)	156.59(10)
C(12)-Si(4)-Si(5)-C(5A)	43.60(10)
Si(3)-Si(4)-Si(5)-C(5A)	-86.40(8)
C(4)-Si(4)-Si(5)-C(5B)	40.22(10)
C(12)-Si(4)-Si(5)-C(5B)	-72.76(10)
Si(3)-Si(4)-Si(5)-C(5B)	157.24(8)
C(4)-Si(4)-Si(5)-Si(6)	-78.02(7)
C(12)-Si(4)-Si(5)-Si(6)	168.99(7)
Si(3)-Si(4)-Si(5)-Si(6)	38.99(4)
C(1)-Si(1)-Si(6)-C(6A)	-167.61(11)
C(11)-Si(1)-Si(6)-C(6A)	-51.36(10)
Si(2)-Si(1)-Si(6)-C(6A)	77.18(8)
C(1)-Si(1)-Si(6)-C(6B)	-49.70(11)
C(11)-Si(1)-Si(6)-C(6B)	66.55(11)
Si(2)-Si(1)-Si(6)-C(6B)	-164.90(9)
C(1)-Si(1)-Si(6)-Si(5)	71.33(8)
C(11)-Si(1)-Si(6)-Si(5)	-172.42(7)
Si(2)-Si(1)-Si(6)-Si(5)	-43.88(4)
C(5A)-Si(5)-Si(6)-C(6A)	-2.87(11)
C(5B)-Si(5)-Si(6)-C(6A)	113.24(11)
Si(4)-Si(5)-Si(6)-C(6A)	-131.40(8)
C(5A)-Si(5)-Si(6)-C(6B)	-120.17(11)
C(5B)-Si(5)-Si(6)-C(6B)	-4.06(11)
Si(4)-Si(5)-Si(6)-C(6B)	111.30(8)
C(5A)-Si(5)-Si(6)-Si(1)	118.31(8)
C(5B)-Si(5)-Si(6)-Si(1)	-125.58(8)
Si(4)-Si(5)-Si(6)-Si(1)	-10.22(4)
C(1)-Si(1)-C(11)-C(21)	26.25(18)
Si(6)-Si(1)-C(11)-C(21)	-93.63(15)
Si(2)-Si(1)-C(11)-C(21)	144.11(14)
C(1)-Si(1)-C(11)-C(141)	-154.04(17)
Si(6)-Si(1)-C(11)-C(141)	86.08(17)
Si(2)-Si(1)-C(11)-C(141)	-36.18(19)

C(141)-C(11)-C(21)-C(31)	1.1(3)
Si(1)-C(11)-C(21)-C(31)	-179.19(16)
C(11)-C(21)-C(31)-C(111)	0.7(3)
C(111)-C(41)-C(51)-C(121)	-0.4(3)
C(121)-C(61)-C(71)-C(81)	0.5(4)
C(61)-C(71)-C(81)-C(131)	-0.3(4)
C(131)-C(91)-C(101)-C(141)	1.0(3)
C(21)-C(31)-C(111)-C(151)	-0.9(3)
C(21)-C(31)-C(111)-C(41)	178.87(19)
C(51)-C(41)-C(111)-C(31)	179.7(2)
C(51)-C(41)-C(111)-C(151)	-0.4(3)
C(71)-C(61)-C(121)-C(161)	-0.7(3)
C(71)-C(61)-C(121)-C(51)	179.3(2)
C(41)-C(51)-C(121)-C(61)	-179.4(2)
C(41)-C(51)-C(121)-C(161)	0.6(3)
C(71)-C(81)-C(131)-C(161)	0.4(3)
C(71)-C(81)-C(131)-C(91)	-179.0(2)
C(101)-C(91)-C(131)-C(81)	179.4(2)
C(101)-C(91)-C(131)-C(161)	0.1(3)
C(21)-C(11)-C(141)-C(151)	-2.6(3)
Si(1)-C(11)-C(141)-C(151)	177.69(14)
C(21)-C(11)-C(141)-C(101)	177.10(18)
Si(1)-C(11)-C(141)-C(101)	-2.6(3)
C(91)-C(101)-C(141)-C(11)	178.7(2)
C(91)-C(101)-C(141)-C(151)	-1.6(3)
C(31)-C(111)-C(151)-C(141)	-0.6(3)
C(41)-C(111)-C(151)-C(141)	179.59(18)
C(31)-C(111)-C(151)-C(161)	-179.06(18)
C(41)-C(111)-C(151)-C(161)	1.1(3)
C(11)-C(141)-C(151)-C(111)	2.4(3)
C(101)-C(141)-C(151)-C(111)	-177.31(18)
C(11)-C(141)-C(151)-C(161)	-179.13(18)
C(101)-C(141)-C(151)-C(161)	1.2(3)
C(81)-C(131)-C(161)-C(121)	-0.6(3)
C(91)-C(131)-C(161)-C(121)	178.75(19)
C(81)-C(131)-C(161)-C(151)	-179.90(19)
C(91)-C(131)-C(161)-C(151)	-0.5(3)
C(61)-C(121)-C(161)-C(131)	0.8(3)
C(51)-C(121)-C(161)-C(131)	-179.21(19)
C(61)-C(121)-C(161)-C(151)	-179.94(19)
C(51)-C(121)-C(161)-C(151)	0.1(3)
C(111)-C(151)-C(161)-C(131)	178.36(18)
C(141)-C(151)-C(161)-C(131)	-0.1(3)
C(111)-C(151)-C(161)-C(121)	-0.9(3)
C(141)-C(151)-C(161)-C(121)	-179.42(18)
C(4)-Si(4)-C(12)-C(22)	-4.07(18)
Si(5)-Si(4)-C(12)-C(22)	107.32(15)
Si(3)-Si(4)-C(12)-C(22)	-120.17(14)
C(4)-Si(4)-C(12)-C(142)	175.84(16)
Si(5)-Si(4)-C(12)-C(142)	-72.77(16)
Si(3)-Si(4)-C(12)-C(142)	59.75(17)
C(142)-C(12)-C(22)-C(32)	-0.8(3)
Si(4)-C(12)-C(22)-C(32)	179.16(15)
C(12)-C(22)-C(32)-C(112)	-0.5(3)
C(112)-C(42)-C(52)-C(122)	0.7(3)
C(122)-C(62)-C(72)-C(82)	0.0(3)
C(62)-C(72)-C(82)-C(132)	-1.6(3)
C(132)-C(92)-C(102)-C(142)	0.5(3)
C(22)-C(32)-C(112)-C(152)	0.6(3)
C(22)-C(32)-C(112)-C(42)	179.88(19)
C(52)-C(42)-C(112)-C(32)	179.13(19)
C(52)-C(42)-C(112)-C(152)	-1.6(3)
C(72)-C(62)-C(122)-C(162)	1.8(3)
C(72)-C(62)-C(122)-C(52)	-177.7(2)

C(42)-C(52)-C(122)-C(62)	-179.0(2)
C(42)-C(52)-C(122)-C(162)	1.4(3)
C(72)-C(82)-C(132)-C(162)	1.3(3)
C(72)-C(82)-C(132)-C(92)	-178.9(2)
C(102)-C(92)-C(132)-C(82)	178.8(2)
C(102)-C(92)-C(132)-C(162)	-1.5(3)
C(22)-C(12)-C(142)-C(152)	1.8(3)
Si(4)-C(12)-C(142)-C(152)	-178.08(14)
C(22)-C(12)-C(142)-C(102)	-177.42(18)
Si(4)-C(12)-C(142)-C(102)	2.7(3)
C(92)-C(102)-C(142)-C(12)	-179.62(19)
C(92)-C(102)-C(142)-C(152)	1.1(3)
C(32)-C(112)-C(152)-C(142)	0.5(3)
C(42)-C(112)-C(152)-C(142)	-178.83(18)
C(32)-C(112)-C(152)-C(162)	179.72(18)
C(42)-C(112)-C(152)-C(162)	0.4(3)
C(12)-C(142)-C(152)-C(112)	-1.7(3)
C(102)-C(142)-C(152)-C(112)	177.56(17)
C(12)-C(142)-C(152)-C(162)	179.04(17)
C(102)-C(142)-C(152)-C(162)	-1.7(3)
C(82)-C(132)-C(162)-C(122)	0.4(3)
C(92)-C(132)-C(162)-C(122)	-179.33(18)
C(82)-C(132)-C(162)-C(152)	-179.39(18)
C(92)-C(132)-C(162)-C(152)	0.9(3)
C(62)-C(122)-C(162)-C(132)	-1.9(3)
C(52)-C(122)-C(162)-C(132)	177.61(18)
C(62)-C(122)-C(162)-C(152)	177.87(18)
C(52)-C(122)-C(162)-C(152)	-2.6(3)
C(112)-C(152)-C(162)-C(132)	-178.54(18)
C(142)-C(152)-C(162)-C(132)	0.7(3)
C(112)-C(152)-C(162)-C(122)	1.7(3)
C(142)-C(152)-C(162)-C(122)	-179.09(18)
C(63)-C(13)-C(23)-C(33)	0.3(4)
C(13)-C(23)-C(33)-C(43)	-0.5(4)
C(23)-C(33)-C(43)-C(53)	0.1(4)
C(33)-C(43)-C(53)-C(63)	0.5(4)
C(43)-C(53)-C(63)-C(13)	-0.8(4)
C(23)-C(13)-C(63)-C(53)	0.4(4)

Symmetry transformations used to generate equivalent atoms:

Table 7. Crystal data and structure refinement for compound 2b.

Identification code	s2305a
Empirical formula	C46 H56 O2 Si6
Formula weight	809.45
Temperature	150(2) K
Wavelength	0.71073 A
Crystal system, space group	Monoclinic, P 21/c
Unit cell dimensions	a = 12.3565(4) A alpha = 90 deg. b = 23.1823(7) A beta = 93.8309(16) c = 15.4010(4) A gamma = 90 deg.
Volume	4401.8(2) A^3
Z, Calculated density	4, 1.221 Mg/m^3
Absorption coefficient	0.226 mm^-1
F(000)	1728
Crystal size	0.48 x 0.06 x 0.03 mm
Theta range for data collection	1.87 to 21.98 deg.
Limiting indices	-12<=h<=13, -24<=k<=24, -16<=l<=16
Reflections collected / unique	43985 / 5365 [R(int) = 0.0851]
Completeness to theta = 21.98	99.7 %
Absorption correction	Semi-empirical from equivalents
Max. and min. transmission	1.13 and 0.91
Refinement method	Full-matrix least-squares on F^2
Data / restraints / parameters	5365 / 0 / 497
Goodness-of-fit on F^2	1.017
Final R indices [I>2sigma(I)]	R1 = 0.0390, wR2 = 0.0914
R indices (all data)	R1 = 0.0586, wR2 = 0.1000
Largest diff. peak and hole	0.380 and -0.223 e.A^-3

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Table 8. Atomic coordinates (x 10^4) and equivalent isotropic displacement parameters (A^2 x 10^3) for compound 2b. U(eq) is defined as one third of the trace of the orthogonalized Uij tensor.

	x	y	z	U(eq)
Si(1)	1754(1)	1004(1)	603(1)	22(1)
Si(2)	1010(1)	836(1)	1955(1)	23(1)
Si(3)	1996(1)	1251(1)	3158(1)	24(1)
Si(4)	3787(1)	896(1)	3216(1)	22(1)
Si(5)	4534(1)	854(1)	1840(1)	23(1)
Si(6)	3545(1)	1366(1)	729(1)	23(1)
C(11)	837(2)	1475(1)	-136(2)	23(1)
C(21)	491(2)	1266(1)	-960(2)	26(1)
C(31)	-182(2)	1578(1)	-1540(2)	28(1)
C(41)	-1298(2)	2444(1)	-1899(2)	29(1)
C(51)	-1688(2)	2955(1)	-1664(2)	30(1)
C(61)	-1755(3)	3742(1)	-578(2)	34(1)
C(71)	-1418(3)	3982(1)	217(2)	36(1)
C(81)	-695(3)	3691(1)	779(2)	31(1)
C(91)	426(2)	2821(1)	1137(2)	27(1)
C(101)	777(2)	2293(1)	919(2)	25(1)
C(111)	-568(2)	2118(1)	-1325(2)	24(1)
C(121)	-1369(2)	3209(1)	-838(2)	28(1)
C(131)	-294(2)	3149(1)	566(2)	24(1)
C(141)	464(2)	2028(1)	94(2)	20(1)
C(151)	-243(2)	2349(1)	-493(2)	21(1)
C(161)	-634(2)	2904(1)	-252(2)	24(1)
C(12)	4684(2)	1317(1)	4041(2)	22(1)
C(22)	4984(2)	1071(1)	4854(2)	28(1)
C(32)	5650(2)	1347(1)	5477(2)	28(1)
C(42)	6811(2)	2181(1)	5937(2)	26(1)
C(52)	7242(2)	2694(1)	5756(2)	28(1)
C(62)	7441(2)	3510(1)	4733(2)	29(1)
C(72)	7189(2)	3763(1)	3936(2)	29(1)
C(82)	6478(2)	3507(1)	3330(2)	27(1)
C(92)	5263(2)	2690(1)	2892(2)	25(1)
C(102)	4834(2)	2171(1)	3068(2)	24(1)
C(112)	6075(2)	1890(1)	5320(2)	23(1)
C(122)	6986(2)	2982(1)	4943(2)	24(1)
C(132)	5996(2)	2977(1)	3502(2)	22(1)
C(142)	5093(2)	1875(1)	3876(2)	20(1)
C(152)	5802(2)	2160(1)	4503(2)	21(1)
C(162)	6255(2)	2709(1)	4318(2)	22(1)
C(1)	1832(3)	280(1)	46(2)	31(1)
C(2A)	1034(3)	31(1)	2152(2)	34(1)
C(2B)	-461(2)	1058(1)	1903(2)	35(1)
C(3A)	1949(3)	2063(1)	3178(2)	34(1)
C(3B)	1349(3)	978(1)	4155(2)	38(1)
C(4)	3740(2)	128(1)	3628(2)	29(1)
C(5A)	4496(3)	74(1)	1502(2)	37(1)
C(5B)	6008(2)	1075(1)	1909(2)	36(1)
C(6A)	3617(3)	2177(1)	850(2)	31(1)
C(6B)	4164(3)	1190(1)	-322(2)	37(1)
O(13)	3726(2)	4489(1)	1732(2)	56(1)
C(23)	3457(3)	3935(2)	2039(3)	63(1)
C(33)	2457(3)	3946(2)	2512(2)	58(1)
O(43)	1583(2)	4180(1)	2010(2)	70(1)
C(53)	1853(3)	4730(2)	1688(3)	77(1)

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C(63)	2853(3)	4715(2)	1217(2)	58(1)

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Table 9. Bond lengths [A] and angles [deg] for compound 2b.

Si(1)-C(1)	1.891(3)
Si(1)-C(11)	1.897(3)
Si(1)-Si(6)	2.3621(12)
Si(1)-Si(2)	2.3642(11)
Si(2)-C(2B)	1.887(3)
Si(2)-C(2A)	1.890(3)
Si(2)-Si(3)	2.3532(11)
Si(3)-C(3A)	1.883(3)
Si(3)-C(3B)	1.888(3)
Si(3)-Si(4)	2.3584(11)
Si(4)-C(4)	1.892(3)
Si(4)-C(12)	1.898(3)
Si(4)-Si(5)	2.3687(11)
Si(5)-C(5A)	1.883(3)
Si(5)-C(5B)	1.888(3)
Si(5)-Si(6)	2.3566(11)
Si(6)-C(6B)	1.881(3)
Si(6)-C(6A)	1.890(3)
C(11)-C(21)	1.399(4)
C(11)-C(141)	1.416(4)
C(21)-C(31)	1.383(4)
C(21)-H(21)	0.9500
C(31)-C(111)	1.387(4)
C(31)-H(31)	0.9500
C(41)-C(51)	1.338(4)
C(41)-C(111)	1.436(4)
C(41)-H(41)	0.9500
C(51)-C(121)	1.432(4)
C(51)-H(51)	0.9500
C(61)-C(71)	1.383(4)
C(61)-C(121)	1.393(4)
C(61)-H(61)	0.9500
C(71)-C(81)	1.377(4)
C(71)-H(71)	0.9500
C(81)-C(131)	1.397(4)
C(81)-H(81)	0.9500
C(91)-C(101)	1.349(4)
C(91)-C(131)	1.428(4)
C(91)-H(91)	0.9500
C(101)-C(141)	1.439(4)
C(101)-H(101)	0.9500
C(111)-C(151)	1.422(4)
C(121)-C(161)	1.425(4)
C(131)-C(161)	1.421(4)
C(141)-C(151)	1.425(4)
C(151)-C(161)	1.431(4)
C(12)-C(22)	1.404(4)
C(12)-C(142)	1.419(4)
C(22)-C(32)	1.379(4)
C(22)-H(22)	0.9500
C(32)-C(112)	1.392(4)
C(32)-H(32)	0.9500
C(42)-C(52)	1.339(4)
C(42)-C(112)	1.438(4)
C(42)-H(42)	0.9500
C(52)-C(122)	1.437(4)
C(52)-H(52)	0.9500
C(62)-C(72)	1.377(4)
C(62)-C(122)	1.395(4)
C(62)-H(62)	0.9500

C(72)-C(82)	1.373(4)
C(72)-H(72)	0.9500
C(82)-C(132)	1.399(4)
C(82)-H(82)	0.9500
C(92)-C(102)	1.351(4)
C(92)-C(132)	1.424(4)
C(92)-H(92)	0.9500
C(102)-C(142)	1.437(4)
C(102)-H(102)	0.9500
C(112)-C(152)	1.425(4)
C(122)-C(162)	1.422(4)
C(132)-C(162)	1.420(4)
C(142)-C(152)	1.422(4)
C(152)-C(162)	1.427(4)
C(1)-H(1A)	0.9800
C(1)-H(1B)	0.9800
C(1)-H(1C)	0.9800
C(2A)-H(2A)	0.9800
C(2A)-H(2B)	0.9800
C(2A)-H(2C)	0.9800
C(2B)-H(2D)	0.9800
C(2B)-H(2E)	0.9800
C(2B)-H(2F)	0.9800
C(3A)-H(3A)	0.9800
C(3A)-H(3B)	0.9800
C(3A)-H(3C)	0.9800
C(3B)-H(3D)	0.9800
C(3B)-H(3E)	0.9800
C(3B)-H(3F)	0.9800
C(4)-H(4A)	0.9800
C(4)-H(4B)	0.9800
C(4)-H(4C)	0.9800
C(5A)-H(5A)	0.9800
C(5A)-H(5B)	0.9800
C(5A)-H(5C)	0.9800
C(5B)-H(5D)	0.9800
C(5B)-H(5E)	0.9800
C(5B)-H(5F)	0.9800
C(6A)-H(6A)	0.9800
C(6A)-H(6B)	0.9800
C(6A)-H(6C)	0.9800
C(6B)-H(6D)	0.9800
C(6B)-H(6E)	0.9800
C(6B)-H(6F)	0.9800
O(13)-C(63)	1.397(4)
O(13)-C(23)	1.417(4)
C(23)-C(33)	1.476(5)
C(23)-H(23A)	0.9900
C(23)-H(23B)	0.9900
C(33)-O(43)	1.395(4)
C(33)-H(33A)	0.9900
C(33)-H(33B)	0.9900
O(43)-C(53)	1.415(5)
C(53)-C(63)	1.474(5)
C(53)-H(53A)	0.9900
C(53)-H(53B)	0.9900
C(63)-H(63A)	0.9900
C(63)-H(63B)	0.9900

C(1)-Si(1)-C(11)	106.61(13)
C(1)-Si(1)-Si(6)	106.09(10)
C(11)-Si(1)-Si(6)	111.31(9)
C(1)-Si(1)-Si(2)	106.72(10)
C(11)-Si(1)-Si(2)	111.78(9)

Si(6)-Si(1)-Si(2)	113.79(4)
C(2B)-Si(2)-C(2A)	106.33(14)
C(2B)-Si(2)-Si(3)	111.61(10)
C(2A)-Si(2)-Si(3)	106.02(10)
C(2B)-Si(2)-Si(1)	110.33(10)
C(2A)-Si(2)-Si(1)	107.53(10)
Si(3)-Si(2)-Si(1)	114.50(4)
C(3A)-Si(3)-C(3B)	107.85(14)
C(3A)-Si(3)-Si(2)	114.04(10)
C(3B)-Si(3)-Si(2)	106.17(11)
C(3A)-Si(3)-Si(4)	112.23(11)
C(3B)-Si(3)-Si(4)	107.39(11)
Si(2)-Si(3)-Si(4)	108.77(4)
C(4)-Si(4)-C(12)	106.76(13)
C(4)-Si(4)-Si(3)	106.94(10)
C(12)-Si(4)-Si(3)	110.50(9)
C(4)-Si(4)-Si(5)	106.51(10)
C(12)-Si(4)-Si(5)	112.03(9)
Si(3)-Si(4)-Si(5)	113.65(4)
C(5A)-Si(5)-C(5B)	106.34(15)
C(5A)-Si(5)-Si(6)	106.37(10)
C(5B)-Si(5)-Si(6)	110.87(10)
C(5A)-Si(5)-Si(4)	106.40(11)
C(5B)-Si(5)-Si(4)	111.76(10)
Si(6)-Si(5)-Si(4)	114.51(4)
C(6B)-Si(6)-C(6A)	106.36(14)
C(6B)-Si(6)-Si(5)	107.10(11)
C(6A)-Si(6)-Si(5)	114.21(10)
C(6B)-Si(6)-Si(1)	106.56(10)
C(6A)-Si(6)-Si(1)	113.57(10)
Si(5)-Si(6)-Si(1)	108.54(4)
C(21)-C(11)-C(141)	117.1(3)
C(21)-C(11)-Si(1)	118.6(2)
C(141)-C(11)-Si(1)	124.3(2)
C(31)-C(21)-C(11)	122.6(3)
C(31)-C(21)-H(21)	118.7
C(11)-C(21)-H(21)	118.7
C(21)-C(31)-C(111)	121.2(3)
C(21)-C(31)-H(31)	119.4
C(111)-C(31)-H(31)	119.4
C(51)-C(41)-C(111)	121.5(3)
C(51)-C(41)-H(41)	119.2
C(111)-C(41)-H(41)	119.2
C(41)-C(51)-C(121)	121.4(3)
C(41)-C(51)-H(51)	119.3
C(121)-C(51)-H(51)	119.3
C(71)-C(61)-C(121)	121.5(3)
C(71)-C(61)-H(61)	119.2
C(121)-C(61)-H(61)	119.2
C(81)-C(71)-C(61)	120.3(3)
C(81)-C(71)-H(71)	119.9
C(61)-C(71)-H(71)	119.9
C(71)-C(81)-C(131)	121.2(3)
C(71)-C(81)-H(81)	119.4
C(131)-C(81)-H(81)	119.4
C(101)-C(91)-C(131)	121.8(3)
C(101)-C(91)-H(91)	119.1
C(131)-C(91)-H(91)	119.1
C(91)-C(101)-C(141)	122.3(3)
C(91)-C(101)-H(101)	118.8
C(141)-C(101)-H(101)	118.8
C(31)-C(111)-C(151)	118.4(3)
C(31)-C(111)-C(41)	122.7(3)
C(151)-C(111)-C(41)	118.9(3)

C(61)-C(121)-C(161)	118.3(3)
C(61)-C(121)-C(51)	122.7(3)
C(161)-C(121)-C(51)	119.0(3)
C(81)-C(131)-C(161)	118.7(3)
C(81)-C(131)-C(91)	123.4(3)
C(161)-C(131)-C(91)	117.9(3)
C(11)-C(141)-C(151)	120.7(2)
C(11)-C(141)-C(101)	122.3(3)
C(151)-C(141)-C(101)	117.0(2)
C(111)-C(151)-C(141)	119.9(3)
C(111)-C(151)-C(161)	119.6(3)
C(141)-C(151)-C(161)	120.5(3)
C(131)-C(161)-C(121)	120.1(3)
C(131)-C(161)-C(151)	120.3(3)
C(121)-C(161)-C(151)	119.6(3)
C(22)-C(12)-C(142)	117.0(3)
C(22)-C(12)-Si(4)	119.8(2)
C(142)-C(12)-Si(4)	123.2(2)
C(32)-C(22)-C(12)	122.8(3)
C(32)-C(22)-H(22)	118.6
C(12)-C(22)-H(22)	118.6
C(22)-C(32)-C(112)	121.0(3)
C(22)-C(32)-H(32)	119.5
C(112)-C(32)-H(32)	119.5
C(52)-C(42)-C(112)	121.5(3)
C(52)-C(42)-H(42)	119.3
C(112)-C(42)-H(42)	119.3
C(42)-C(52)-C(122)	121.7(3)
C(42)-C(52)-H(52)	119.2
C(122)-C(52)-H(52)	119.2
C(72)-C(62)-C(122)	120.7(3)
C(72)-C(62)-H(62)	119.7
C(122)-C(62)-H(62)	119.7
C(82)-C(72)-C(62)	121.2(3)
C(82)-C(72)-H(72)	119.4
C(62)-C(72)-H(72)	119.4
C(72)-C(82)-C(132)	120.8(3)
C(72)-C(82)-H(82)	119.6
C(132)-C(82)-H(82)	119.6
C(102)-C(92)-C(132)	121.6(3)
C(102)-C(92)-H(92)	119.2
C(132)-C(92)-H(92)	119.2
C(92)-C(102)-C(142)	122.1(3)
C(92)-C(102)-H(102)	119.0
C(142)-C(102)-H(102)	119.0
C(32)-C(112)-C(152)	118.7(3)
C(32)-C(112)-C(42)	122.6(3)
C(152)-C(112)-C(42)	118.7(3)
C(62)-C(122)-C(162)	118.8(3)
C(62)-C(122)-C(52)	122.7(3)
C(162)-C(122)-C(52)	118.4(3)
C(82)-C(132)-C(162)	118.5(3)
C(82)-C(132)-C(92)	123.1(3)
C(162)-C(132)-C(92)	118.4(3)
C(12)-C(142)-C(152)	120.8(2)
C(12)-C(142)-C(102)	121.9(3)
C(152)-C(142)-C(102)	117.3(2)
C(142)-C(152)-C(112)	119.7(3)
C(142)-C(152)-C(162)	120.7(2)
C(112)-C(152)-C(162)	119.6(3)
C(132)-C(162)-C(122)	120.0(3)
C(132)-C(162)-C(152)	119.9(3)
C(122)-C(162)-C(152)	120.1(3)
Si(1)-C(1)-H(1A)	109.5

Si(1)-C(1)-H(1B)	109.5
H(1A)-C(1)-H(1B)	109.5
Si(1)-C(1)-H(1C)	109.5
H(1A)-C(1)-H(1C)	109.5
H(1B)-C(1)-H(1C)	109.5
Si(2)-C(2A)-H(2A)	109.5
Si(2)-C(2A)-H(2B)	109.5
H(2A)-C(2A)-H(2B)	109.5
Si(2)-C(2A)-H(2C)	109.5
H(2A)-C(2A)-H(2C)	109.5
H(2B)-C(2A)-H(2C)	109.5
Si(2)-C(2B)-H(2D)	109.5
Si(2)-C(2B)-H(2E)	109.5
H(2D)-C(2B)-H(2E)	109.5
Si(2)-C(2B)-H(2F)	109.5
H(2D)-C(2B)-H(2F)	109.5
H(2E)-C(2B)-H(2F)	109.5
Si(3)-C(3A)-H(3A)	109.5
Si(3)-C(3A)-H(3B)	109.5
H(3A)-C(3A)-H(3B)	109.5
Si(3)-C(3A)-H(3C)	109.5
H(3A)-C(3A)-H(3C)	109.5
H(3B)-C(3A)-H(3C)	109.5
Si(3)-C(3B)-H(3D)	109.5
Si(3)-C(3B)-H(3E)	109.5
H(3D)-C(3B)-H(3E)	109.5
Si(3)-C(3B)-H(3F)	109.5
H(3D)-C(3B)-H(3F)	109.5
H(3E)-C(3B)-H(3F)	109.5
Si(4)-C(4)-H(4A)	109.5
Si(4)-C(4)-H(4B)	109.5
H(4A)-C(4)-H(4B)	109.5
Si(4)-C(4)-H(4C)	109.5
H(4A)-C(4)-H(4C)	109.5
H(4B)-C(4)-H(4C)	109.5
Si(5)-C(5A)-H(5A)	109.5
Si(5)-C(5A)-H(5B)	109.5
H(5A)-C(5A)-H(5B)	109.5
Si(5)-C(5A)-H(5C)	109.5
H(5A)-C(5A)-H(5C)	109.5
H(5B)-C(5A)-H(5C)	109.5
Si(5)-C(5B)-H(5D)	109.5
Si(5)-C(5B)-H(5E)	109.5
H(5D)-C(5B)-H(5E)	109.5
Si(5)-C(5B)-H(5F)	109.5
H(5D)-C(5B)-H(5F)	109.5
H(5E)-C(5B)-H(5F)	109.5
Si(6)-C(6A)-H(6A)	109.5
Si(6)-C(6A)-H(6B)	109.5
H(6A)-C(6A)-H(6B)	109.5
Si(6)-C(6A)-H(6C)	109.5
H(6A)-C(6A)-H(6C)	109.5
H(6B)-C(6A)-H(6C)	109.5
Si(6)-C(6B)-H(6D)	109.5
Si(6)-C(6B)-H(6E)	109.5
H(6D)-C(6B)-H(6E)	109.5
Si(6)-C(6B)-H(6F)	109.5
H(6D)-C(6B)-H(6F)	109.5
H(6E)-C(6B)-H(6F)	109.5
C(63)-O(13)-C(23)	109.8(3)
O(13)-C(23)-C(33)	111.8(3)
O(13)-C(23)-H(23A)	109.3
C(33)-C(23)-H(23A)	109.3
O(13)-C(23)-H(23B)	109.3

C(33)-C(23)-H(23B)	109.3
H(23A)-C(23)-H(23B)	107.9
O(43)-C(33)-C(23)	112.1(3)
O(43)-C(33)-H(33A)	109.2
C(23)-C(33)-H(33A)	109.2
O(43)-C(33)-H(33B)	109.2
C(23)-C(33)-H(33B)	109.2
H(33A)-C(33)-H(33B)	107.9
C(33)-O(43)-C(53)	110.6(3)
O(43)-C(53)-C(63)	112.1(3)
O(43)-C(53)-H(53A)	109.2
C(63)-C(53)-H(53A)	109.2
O(43)-C(53)-H(53B)	109.2
C(63)-C(53)-H(53B)	109.2
H(53A)-C(53)-H(53B)	107.9
O(13)-C(63)-C(53)	111.7(3)
O(13)-C(63)-H(63A)	109.3
C(53)-C(63)-H(63A)	109.3
O(13)-C(63)-H(63B)	109.3
C(53)-C(63)-H(63B)	109.3
H(63A)-C(63)-H(63B)	107.9

Symmetry transformations used to generate equivalent atoms:

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Table 10. Anisotropic displacement parameters (A^2 x 10^3) for compound 2
The anisotropic displacement factor exponent takes the form:
-2 pi^2 [h^2 a*^2 U11 + ... + 2 h k a* b* U12]

	U11	U22	U33	U23	U13	U12
Si(1)	22(1)	21(1)	24(1)	-2(1)	1(1)	0(1)
Si(2)	20(1)	24(1)	26(1)	0(1)	3(1)	0(1)
Si(3)	23(1)	26(1)	23(1)	-1(1)	2(1)	4(1)
Si(4)	21(1)	20(1)	24(1)	1(1)	2(1)	0(1)
Si(5)	21(1)	22(1)	26(1)	-1(1)	2(1)	1(1)
Si(6)	23(1)	24(1)	23(1)	1(1)	2(1)	-1(1)
C(11)	21(2)	25(2)	24(2)	0(1)	2(1)	-4(1)
C(21)	23(2)	28(2)	27(2)	-1(2)	3(2)	-3(2)
C(31)	26(2)	36(2)	22(2)	-2(2)	3(2)	-8(2)
C(41)	25(2)	38(2)	24(2)	5(2)	-1(2)	-8(2)
C(51)	23(2)	41(2)	27(2)	12(2)	-2(2)	-4(2)
C(61)	28(2)	32(2)	41(2)	14(2)	1(2)	5(2)
C(71)	33(2)	27(2)	50(2)	7(2)	11(2)	9(2)
C(81)	34(2)	28(2)	32(2)	-2(2)	9(2)	1(2)
C(91)	31(2)	28(2)	23(2)	-3(1)	2(2)	-1(2)
C(101)	24(2)	28(2)	24(2)	3(1)	-1(1)	0(2)
C(111)	21(2)	29(2)	22(2)	7(1)	2(1)	-4(1)
C(121)	19(2)	27(2)	39(2)	13(2)	7(2)	-2(2)
C(131)	19(2)	25(2)	29(2)	5(1)	6(1)	-1(1)
C(141)	18(2)	24(2)	20(2)	2(1)	4(1)	-2(1)
C(151)	17(2)	25(2)	22(2)	3(1)	7(1)	-4(1)
C(161)	17(2)	26(2)	29(2)	8(1)	6(1)	-5(1)
C(12)	19(2)	24(2)	23(2)	-1(1)	3(1)	3(1)
C(22)	28(2)	26(2)	31(2)	4(2)	4(2)	-5(2)
C(32)	31(2)	32(2)	21(2)	7(1)	-2(2)	1(2)
C(42)	25(2)	32(2)	22(2)	2(1)	2(2)	5(2)
C(52)	23(2)	35(2)	25(2)	-9(2)	0(1)	1(2)
C(62)	25(2)	26(2)	35(2)	-9(2)	3(2)	0(2)
C(72)	27(2)	20(2)	40(2)	-2(2)	9(2)	0(2)
C(82)	31(2)	21(2)	29(2)	0(1)	7(2)	5(2)
C(92)	31(2)	22(2)	23(2)	2(1)	4(2)	5(2)
C(102)	26(2)	23(2)	23(2)	-3(1)	-1(1)	1(1)
C(112)	19(2)	31(2)	21(2)	-1(1)	2(1)	3(2)
C(122)	18(2)	27(2)	26(2)	-7(1)	4(1)	3(1)
C(132)	23(2)	22(2)	23(2)	-4(1)	5(1)	3(1)
C(142)	20(2)	21(2)	20(2)	-1(1)	5(1)	4(1)
C(152)	16(2)	25(2)	22(2)	-3(1)	4(1)	4(1)
C(162)	21(2)	22(2)	25(2)	-5(1)	7(1)	4(1)
C(1)	32(2)	31(2)	29(2)	-4(1)	-1(2)	1(2)
C(2A)	37(2)	32(2)	34(2)	0(2)	2(2)	-6(2)
C(2B)	26(2)	42(2)	36(2)	-1(2)	3(2)	2(2)
C(3A)	35(2)	32(2)	34(2)	-6(2)	-2(2)	8(2)
C(3B)	34(2)	51(2)	31(2)	1(2)	7(2)	10(2)
C(4)	29(2)	23(2)	35(2)	5(1)	1(2)	-2(1)
C(5A)	41(2)	32(2)	38(2)	-6(2)	1(2)	7(2)
C(5B)	25(2)	44(2)	38(2)	4(2)	2(2)	0(2)
C(6A)	32(2)	30(2)	31(2)	4(1)	-1(2)	-4(2)
C(6B)	31(2)	43(2)	36(2)	1(2)	7(2)	-5(2)
O(13)	41(2)	55(2)	72(2)	13(1)	12(1)	0(1)
C(23)	53(3)	55(3)	82(3)	19(2)	18(2)	15(2)
C(33)	44(3)	72(3)	56(3)	25(2)	3(2)	-7(2)
O(43)	36(2)	89(2)	85(2)	28(2)	4(2)	-5(2)
C(53)	50(3)	71(3)	110(4)	29(3)	19(3)	19(2)
C(63)	50(3)	66(3)	57(3)	19(2)	-1(2)	-5(2)

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Table 11. Hydrogen coordinates (x 10^4) and isotropic displacement parameters (A^2 x 10^3) for compound 2b.

	x	y	z	U(eq)
H(21)	727	895	-1128	31
H(31)	-384	1419	-2096	34
H(41)	-1509	2294	-2459	35
H(51)	-2187	3154	-2053	36
H(61)	-2261	3946	-955	41
H(71)	-1687	4348	377	44
H(81)	-464	3862	1321	37
H(91)	666	2980	1686	33
H(101)	1247	2088	1323	30
H(22)	4717	698	4981	33
H(32)	5821	1164	6020	34
H(42)	6995	2005	6484	31
H(52)	7731	2871	6178	33
H(62)	7930	3697	5144	34
H(72)	7512	4122	3803	34
H(82)	6311	3693	2788	32
H(92)	5072	2869	2349	30
H(102)	4346	1995	2645	29
H(1A)	2285	17	414	46
H(1B)	2151	328	-515	46
H(1C)	1101	118	-49	46
H(2A)	1787	-104	2204	51
H(2B)	642	-165	1663	51
H(2C)	686	-55	2691	51
H(2D)	-520	1471	1769	52
H(2E)	-761	983	2465	52
H(2F)	-867	837	1447	52
H(3A)	2318	2217	2684	51
H(3B)	2312	2203	3723	51
H(3C)	1191	2192	3138	51
H(3D)	1452	560	4203	58
H(3E)	572	1066	4106	58
H(3F)	1688	1166	4674	58
H(4A)	3296	-107	3213	44
H(4B)	3422	123	4194	44
H(4C)	4477	-29	3690	44
H(5A)	3748	-68	1492	56
H(5B)	4954	-154	1919	56
H(5C)	4767	36	921	56
H(5D)	6065	1490	2018	53
H(5E)	6326	983	1359	53
H(5F)	6399	865	2385	53
H(6A)	3284	2292	1383	47
H(6B)	3228	2359	347	47
H(6C)	4378	2300	882	47
H(6D)	4066	779	-451	55
H(6E)	4940	1281	-269	55
H(6F)	3809	1419	-795	55
H(23A)	4063	3788	2431	75
H(23B)	3357	3667	1540	75
H(33A)	2274	3548	2684	69
H(33B)	2586	4177	3049	69
H(53A)	1951	5004	2180	92
H(53B)	1247	4871	1292	92
H(63A)	2728	4476	687	70

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H(63B)	3032	5111	1033	70

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Table 12. Torsion angles [deg] for compound 2b.

C(1)-Si(1)-Si(2)-C(2B)	-102.97(15)
C(11)-Si(1)-Si(2)-C(2B)	13.23(15)
Si(6)-Si(1)-Si(2)-C(2B)	140.37(11)
C(1)-Si(1)-Si(2)-C(2A)	12.60(15)
C(11)-Si(1)-Si(2)-C(2A)	128.80(14)
Si(6)-Si(1)-Si(2)-C(2A)	-104.06(11)
C(1)-Si(1)-Si(2)-Si(3)	130.12(11)
C(11)-Si(1)-Si(2)-Si(3)	-113.68(10)
Si(6)-Si(1)-Si(2)-Si(3)	13.46(6)
C(2B)-Si(2)-Si(3)-C(3A)	-57.75(16)
C(2A)-Si(2)-Si(3)-C(3A)	-173.12(15)
Si(1)-Si(2)-Si(3)-C(3A)	68.51(12)
C(2B)-Si(2)-Si(3)-C(3B)	60.86(15)
C(2A)-Si(2)-Si(3)-C(3B)	-54.51(15)
Si(1)-Si(2)-Si(3)-C(3B)	-172.89(11)
C(2B)-Si(2)-Si(3)-Si(4)	176.16(11)
C(2A)-Si(2)-Si(3)-Si(4)	60.78(11)
Si(1)-Si(2)-Si(3)-Si(4)	-57.59(6)
C(3A)-Si(3)-Si(4)-C(4)	158.28(14)
C(3B)-Si(3)-Si(4)-C(4)	39.91(15)
Si(2)-Si(3)-Si(4)-C(4)	-74.58(11)
C(3A)-Si(3)-Si(4)-C(12)	42.44(14)
C(3B)-Si(3)-Si(4)-C(12)	-75.92(15)
Si(2)-Si(3)-Si(4)-C(12)	169.59(10)
C(3A)-Si(3)-Si(4)-Si(5)	-84.48(11)
C(3B)-Si(3)-Si(4)-Si(5)	157.15(11)
Si(2)-Si(3)-Si(4)-Si(5)	42.66(6)
C(4)-Si(4)-Si(5)-C(5A)	13.90(15)
C(12)-Si(4)-Si(5)-C(5A)	130.29(14)
Si(3)-Si(4)-Si(5)-C(5A)	-103.58(11)
C(4)-Si(4)-Si(5)-C(5B)	-101.77(15)
C(12)-Si(4)-Si(5)-C(5B)	14.61(15)
Si(3)-Si(4)-Si(5)-C(5B)	140.74(11)
C(4)-Si(4)-Si(5)-Si(6)	131.11(10)
C(12)-Si(4)-Si(5)-Si(6)	-112.51(10)
Si(3)-Si(4)-Si(5)-Si(6)	13.62(6)
C(5A)-Si(5)-Si(6)-C(6B)	-55.05(15)
C(5B)-Si(5)-Si(6)-C(6B)	60.16(15)
Si(4)-Si(5)-Si(6)-C(6B)	-172.26(11)
C(5A)-Si(5)-Si(6)-C(6A)	-172.54(15)
C(5B)-Si(5)-Si(6)-C(6A)	-57.33(16)
Si(4)-Si(5)-Si(6)-C(6A)	70.25(12)
C(5A)-Si(5)-Si(6)-Si(1)	59.64(12)
C(5B)-Si(5)-Si(6)-Si(1)	174.85(11)
Si(4)-Si(5)-Si(6)-Si(1)	-57.58(5)
C(1)-Si(1)-Si(6)-C(6B)	40.71(15)
C(11)-Si(1)-Si(6)-C(6B)	-74.88(15)
Si(2)-Si(1)-Si(6)-C(6B)	157.74(11)
C(1)-Si(1)-Si(6)-C(6A)	157.48(14)
C(11)-Si(1)-Si(6)-C(6A)	41.89(15)
Si(2)-Si(1)-Si(6)-C(6A)	-85.50(11)
C(1)-Si(1)-Si(6)-Si(5)	-74.33(10)
C(11)-Si(1)-Si(6)-Si(5)	170.08(10)
Si(2)-Si(1)-Si(6)-Si(5)	42.69(6)
C(1)-Si(1)-C(11)-C(21)	-7.4(3)
Si(6)-Si(1)-C(11)-C(21)	107.9(2)
Si(2)-Si(1)-C(11)-C(21)	-123.6(2)
C(1)-Si(1)-C(11)-C(141)	172.0(2)
Si(6)-Si(1)-C(11)-C(141)	-72.7(2)
Si(2)-Si(1)-C(11)-C(141)	55.8(3)

C(141)-C(11)-C(21)-C(31)	0.3(4)
Si(1)-C(11)-C(21)-C(31)	179.7(2)
C(11)-C(21)-C(31)-C(111)	-1.1(4)
C(111)-C(41)-C(51)-C(121)	1.9(4)
C(121)-C(61)-C(71)-C(81)	-0.8(5)
C(61)-C(71)-C(81)-C(131)	-0.6(5)
C(131)-C(91)-C(101)-C(141)	1.0(4)
C(21)-C(31)-C(111)-C(151)	0.8(4)
C(21)-C(31)-C(111)-C(41)	-177.7(3)
C(51)-C(41)-C(111)-C(31)	177.6(3)
C(51)-C(41)-C(111)-C(151)	-0.9(4)
C(71)-C(61)-C(121)-C(161)	1.7(4)
C(71)-C(61)-C(121)-C(51)	-178.8(3)
C(41)-C(51)-C(121)-C(61)	179.5(3)
C(41)-C(51)-C(121)-C(161)	-1.0(4)
C(71)-C(81)-C(131)-C(161)	1.0(4)
C(71)-C(81)-C(131)-C(91)	-177.7(3)
C(101)-C(91)-C(131)-C(81)	178.4(3)
C(101)-C(91)-C(131)-C(161)	-0.4(4)
C(21)-C(11)-C(141)-C(151)	0.7(4)
Si(1)-C(11)-C(141)-C(151)	-178.6(2)
C(21)-C(11)-C(141)-C(101)	-179.1(3)
Si(1)-C(11)-C(141)-C(101)	1.5(4)
C(91)-C(101)-C(141)-C(11)	179.7(3)
C(91)-C(101)-C(141)-C(151)	-0.2(4)
C(31)-C(111)-C(151)-C(141)	0.2(4)
C(41)-C(111)-C(151)-C(141)	178.8(2)
C(31)-C(111)-C(151)-C(161)	-179.6(3)
C(41)-C(111)-C(151)-C(161)	-1.1(4)
C(11)-C(141)-C(151)-C(111)	-1.0(4)
C(101)-C(141)-C(151)-C(111)	178.8(2)
C(11)-C(141)-C(151)-C(161)	178.9(2)
C(101)-C(141)-C(151)-C(161)	-1.3(4)
C(81)-C(131)-C(161)-C(121)	0.0(4)
C(91)-C(131)-C(161)-C(121)	178.8(2)
C(81)-C(131)-C(161)-C(151)	-179.9(3)
C(91)-C(131)-C(161)-C(151)	-1.1(4)
C(61)-C(121)-C(161)-C(131)	-1.3(4)
C(51)-C(121)-C(161)-C(131)	179.2(3)
C(61)-C(121)-C(161)-C(151)	178.5(3)
C(51)-C(121)-C(161)-C(151)	-1.0(4)
C(111)-C(151)-C(161)-C(131)	-178.2(3)
C(141)-C(151)-C(161)-C(131)	1.9(4)
C(111)-C(151)-C(161)-C(121)	2.0(4)
C(141)-C(151)-C(161)-C(121)	-177.9(2)
C(4)-Si(4)-C(12)-C(22)	-12.2(3)
Si(3)-Si(4)-C(12)-C(22)	103.8(2)
Si(5)-Si(4)-C(12)-C(22)	-128.4(2)
C(4)-Si(4)-C(12)-C(142)	166.8(2)
Si(3)-Si(4)-C(12)-C(142)	-77.3(2)
Si(5)-Si(4)-C(12)-C(142)	50.5(2)
C(142)-C(12)-C(22)-C(32)	-0.3(4)
Si(4)-C(12)-C(22)-C(32)	178.7(2)
C(12)-C(22)-C(32)-C(112)	-0.8(5)
C(112)-C(42)-C(52)-C(122)	0.5(4)
C(122)-C(62)-C(72)-C(82)	0.6(4)
C(62)-C(72)-C(82)-C(132)	-0.7(4)
C(132)-C(92)-C(102)-C(142)	-0.3(4)
C(22)-C(32)-C(112)-C(152)	0.5(4)
C(22)-C(32)-C(112)-C(42)	-177.1(3)
C(52)-C(42)-C(112)-C(32)	177.3(3)
C(52)-C(42)-C(112)-C(152)	-0.3(4)
C(72)-C(62)-C(122)-C(162)	0.0(4)
C(72)-C(62)-C(122)-C(52)	178.5(3)

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C(42)-C(52)-C(122)-C(62)	-178.7(3)
C(42)-C(52)-C(122)-C(162)	-0.2(4)
C(72)-C(82)-C(132)-C(162)	0.2(4)
C(72)-C(82)-C(132)-C(92)	-179.3(3)
C(102)-C(92)-C(132)-C(82)	178.2(3)
C(102)-C(92)-C(132)-C(162)	-1.3(4)
C(22)-C(12)-C(142)-C(152)	1.9(4)
Si(4)-C(12)-C(142)-C(152)	-177.1(2)
C(22)-C(12)-C(142)-C(102)	-179.6(3)
Si(4)-C(12)-C(142)-C(102)	1.4(4)
C(92)-C(102)-C(142)-C(12)	-176.8(3)
C(92)-C(102)-C(142)-C(152)	1.8(4)
C(12)-C(142)-C(152)-C(112)	-2.2(4)
C(102)-C(142)-C(152)-C(112)	179.1(2)
C(12)-C(142)-C(152)-C(162)	176.8(3)
C(102)-C(142)-C(152)-C(162)	-1.8(4)
C(32)-C(112)-C(152)-C(142)	1.0(4)
C(42)-C(112)-C(152)-C(142)	178.7(2)
C(32)-C(112)-C(152)-C(162)	-178.0(3)
C(42)-C(112)-C(152)-C(162)	-0.4(4)
C(82)-C(132)-C(162)-C(122)	0.3(4)
C(92)-C(132)-C(162)-C(122)	179.9(2)
C(82)-C(132)-C(162)-C(152)	-178.2(2)
C(92)-C(132)-C(162)-C(152)	1.4(4)
C(62)-C(122)-C(162)-C(132)	-0.5(4)
C(52)-C(122)-C(162)-C(132)	-179.0(3)
C(62)-C(122)-C(162)-C(152)	178.1(3)
C(52)-C(122)-C(162)-C(152)	-0.5(4)
C(142)-C(152)-C(162)-C(132)	0.2(4)
C(112)-C(152)-C(162)-C(132)	179.3(2)
C(142)-C(152)-C(162)-C(122)	-178.3(2)
C(112)-C(152)-C(162)-C(122)	0.8(4)
C(63)-O(13)-C(23)-C(33)	-55.6(4)
O(13)-C(23)-C(33)-O(43)	55.5(5)
C(23)-C(33)-O(43)-C(53)	-53.7(5)
C(33)-O(43)-C(53)-C(63)	53.8(5)
C(23)-O(13)-C(63)-C(53)	55.8(4)
O(43)-C(53)-C(63)-O(13)	-55.8(5)

Symmetry transformations used to generate equivalent atoms:

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Table 13. Crystal data and structure refinement for compound 5a.

Identification code	s2105b
Empirical formula	C10 H32 Si6
Formula weight	320.90
Temperature	100(2) K
Wavelength	0.71073 A
Crystal system, space group	Monoclinic, P 21/c
Unit cell dimensions	a = 6.6648(1) A alpha = 90 deg. b = 15.8086(2) A beta = 115.8371(7) c = 11.0109(1) A gamma = 90 deg.
Volume	1044.15(2) A^3
Z, Calculated density	2, 1.021 Mg/m^3
Absorption coefficient	0.382 mm^-1
F(000)	352
Crystal size	0.50 x 0.30 x 0.12 mm
Theta range for data collection	2.43 to 50.58 deg.
Limiting indices	-12<=h<=14, -34<=k<=34, -23<=l<=20
Reflections collected / unique	107086 / 11081 [R(int) = 0.0539]
Completeness to theta = 50.58	98.5 %
Absorption correction	Semi-empirical from equivalents
Max. and min. transmission	0.98 and 0.89
Refinement method	Full-matrix least-squares on F^2
Data / restraints / parameters	11081 / 0 / 137
Goodness-of-fit on F^2	1.043
Final R indices [I>2sigma(I)]	R1 = 0.0276, wR2 = 0.0660
R indices (all data)	R1 = 0.0388, wR2 = 0.0710
Largest diff. peak and hole	0.339 and -0.457 e.A^-3

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Table 14. Atomic coordinates (x 10^4) and equivalent isotropic displacement parameters (A^2 x 10^3) for compound 5a.
U(eq) is defined as one third of the trace of the orthogonalized Uij tensor.

	x	y	z	U(eq)
Si(1)	6868(1)	4488(1)	7157(1)	16(1)
Si(2)	7984(1)	5675(1)	6336(1)	15(1)
Si(3)	5000(1)	6416(1)	4680(1)	16(1)
C(11)	5025(1)	4785(1)	7993(1)	29(1)
C(12)	9443(1)	3945(1)	8443(1)	26(1)
C(2)	9882(1)	6390(1)	7744(1)	23(1)
C(31)	2983(1)	6795(1)	5345(1)	27(1)
C(32)	6128(1)	7370(1)	4151(1)	31(1)

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Table 15. Bond lengths [A] and angles [deg] for compound 5a.

Si(1)-C(11)	1.8875(4)
Si(1)-C(12)	1.8893(4)
Si(1)-Si(2)	2.34017(14)
Si(1)-Si(3)#1	2.34306(14)
Si(2)-C(2)	1.8899(4)
Si(2)-Si(3)	2.34294(14)
Si(2)-H(2)	1.423(9)
Si(3)-C(31)	1.8863(4)
Si(3)-C(32)	1.8865(4)
Si(3)-Si(1)#1	2.34306(14)
C(11)-H(11A)	0.935(10)
C(11)-H(11B)	0.956(10)
C(11)-H(11C)	0.977(11)
C(12)-H(12A)	0.924(9)
C(12)-H(12B)	0.969(10)
C(12)-H(12C)	0.943(10)
C(2)-H(2A)	0.922(9)
C(2)-H(2B)	0.991(10)
C(2)-H(2C)	0.946(10)
C(31)-H(31A)	0.935(9)
C(31)-H(31B)	0.923(10)
C(31)-H(31C)	0.934(11)
C(32)-H(32A)	0.962(9)
C(32)-H(32B)	0.945(10)
C(32)-H(32C)	0.916(10)

C(11)-Si(1)-C(12)	108.61(2)
C(11)-Si(1)-Si(2)	111.911(18)
C(12)-Si(1)-Si(2)	108.430(15)
C(11)-Si(1)-Si(3)#1	111.015(17)
C(12)-Si(1)-Si(3)#1	109.707(16)
Si(2)-Si(1)-Si(3)#1	107.121(5)
C(2)-Si(2)-Si(1)	111.972(15)
C(2)-Si(2)-Si(3)	112.156(14)
Si(1)-Si(2)-Si(3)	113.373(5)
C(2)-Si(2)-H(2)	106.6(4)
Si(1)-Si(2)-H(2)	106.3(4)
Si(3)-Si(2)-H(2)	105.9(4)
C(31)-Si(3)-C(32)	108.27(3)
C(31)-Si(3)-Si(2)	111.312(15)
C(32)-Si(3)-Si(2)	108.834(16)
C(31)-Si(3)-Si(1)#1	109.148(16)
C(32)-Si(3)-Si(1)#1	110.720(17)
Si(2)-Si(3)-Si(1)#1	108.559(5)
Si(1)-C(11)-H(11A)	110.8(6)
Si(1)-C(11)-H(11B)	108.8(6)
H(11A)-C(11)-H(11B)	109.3(8)
Si(1)-C(11)-H(11C)	110.3(6)
H(11A)-C(11)-H(11C)	108.6(9)
H(11B)-C(11)-H(11C)	109.1(8)
Si(1)-C(12)-H(12A)	109.5(6)
Si(1)-C(12)-H(12B)	110.0(6)
H(12A)-C(12)-H(12B)	109.6(8)
Si(1)-C(12)-H(12C)	108.7(6)
H(12A)-C(12)-H(12C)	109.4(8)
H(12B)-C(12)-H(12C)	109.6(8)
Si(2)-C(2)-H(2A)	111.0(6)
Si(2)-C(2)-H(2B)	109.0(5)
H(2A)-C(2)-H(2B)	109.2(8)
Si(2)-C(2)-H(2C)	109.6(6)

H(2A)-C(2)-H(2C)	109.9(8)
H(2B)-C(2)-H(2C)	108.0(8)
Si(3)-C(31)-H(31A)	109.9(6)
Si(3)-C(31)-H(31B)	109.3(6)
H(31A)-C(31)-H(31B)	110.8(8)
Si(3)-C(31)-H(31C)	109.3(6)
H(31A)-C(31)-H(31C)	108.3(9)
H(31B)-C(31)-H(31C)	109.2(8)
Si(3)-C(32)-H(32A)	109.2(5)
Si(3)-C(32)-H(32B)	110.5(6)
H(32A)-C(32)-H(32B)	110.7(7)
Si(3)-C(32)-H(32C)	111.4(6)
H(32A)-C(32)-H(32C)	109.6(8)
H(32B)-C(32)-H(32C)	105.3(8)

Symmetry transformations used to generate equivalent atoms:
#1 -x+1,-y+1,-z+1

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Table 16. Anisotropic displacement parameters (A^2 x 10^3) for compound 5
The anisotropic displacement factor exponent takes the form:
-2 pi^2 [h^2 a*^2 U11 + ... + 2 h k a* b* U12]

	U11	U22	U33	U23	U13	U12
Si(1)	13(1)	18(1)	13(1)	1(1)	4(1)	-1(1)
Si(2)	13(1)	16(1)	14(1)	-1(1)	4(1)	-1(1)
Si(3)	15(1)	15(1)	15(1)	1(1)	4(1)	-2(1)
C(11)	26(1)	40(1)	26(1)	-2(1)	15(1)	0(1)
C(12)	20(1)	26(1)	22(1)	7(1)	1(1)	2(1)
C(2)	20(1)	23(1)	21(1)	-6(1)	4(1)	-4(1)
C(31)	27(1)	29(1)	24(1)	1(1)	11(1)	8(1)
C(32)	29(1)	26(1)	28(1)	8(1)	4(1)	-11(1)

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Table 17. Hydrogen coordinates (x 10^4) and isotropic displacement parameters (A^2 x 10^3) for compound 5a.

	x	y	z	U(eq)
H(2)	9268(15)	5365(6)	5685(9)	42(2)
H(11A)	3660(17)	4998(7)	7361(9)	52(3)
H(11B)	4766(16)	4292(7)	8408(10)	52(3)
H(11C)	5748(17)	5215(7)	8683(10)	55(3)
H(12A)	10361(15)	3795(6)	8046(9)	41(2)
H(12B)	9026(16)	3444(6)	8784(10)	50(3)
H(12C)	10205(16)	4324(6)	9159(10)	45(2)
H(2A)	9178(15)	6583(6)	8249(9)	43(2)
H(2B)	10319(14)	6879(7)	7350(9)	46(2)
H(2C)	11194(16)	6092(6)	8304(9)	45(2)
H(31A)	1817(15)	7094(7)	4673(9)	48(2)
H(31B)	2447(16)	6336(6)	5631(10)	47(2)
H(31C)	3723(16)	7158(7)	6074(10)	56(3)
H(32A)	4904(14)	7697(6)	3515(9)	39(2)
H(32B)	7092(15)	7201(7)	3771(10)	51(3)
H(32C)	6981(16)	7700(6)	4877(10)	53(3)

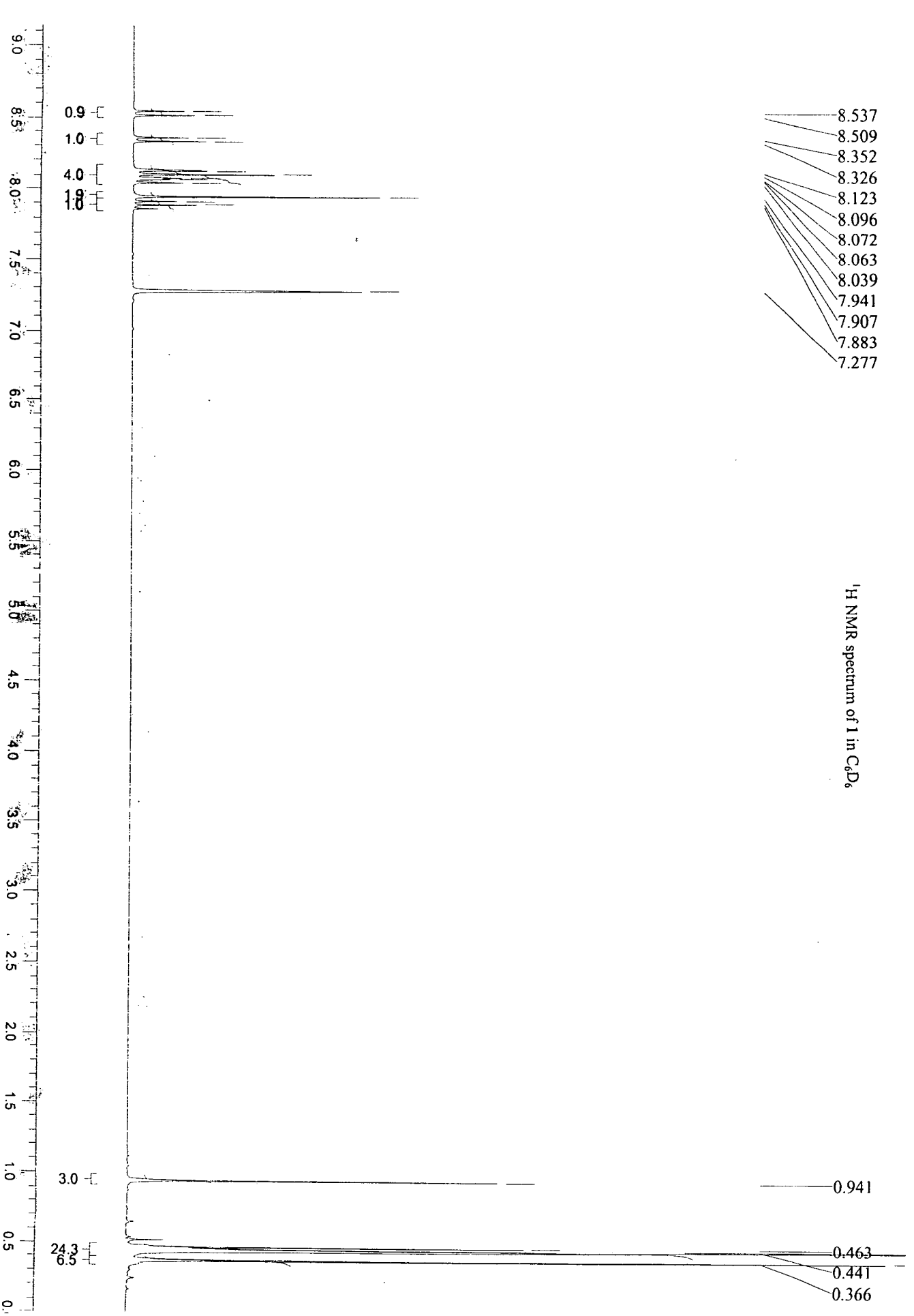
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Table 18. Torsion angles [deg] for compound 5a.

C(11)-Si(1)-Si(2)-C(2)	66.50(2)
C(12)-Si(1)-Si(2)-C(2)	-53.27(2)
Si(3)#1-Si(1)-Si(2)-C(2)	-171.605(15)
C(11)-Si(1)-Si(2)-Si(3)	-61.626(18)
C(12)-Si(1)-Si(2)-Si(3)	178.600(17)
Si(3)#1-Si(1)-Si(2)-Si(3)	60.269(7)
C(2)-Si(2)-Si(3)-C(31)	-68.96(2)
Si(1)-Si(2)-Si(3)-C(31)	59.066(18)
C(2)-Si(2)-Si(3)-C(32)	50.29(3)
Si(1)-Si(2)-Si(3)-C(32)	178.32(2)
C(2)-Si(2)-Si(3)-Si(1)#1	170.877(15)
Si(1)-Si(2)-Si(3)-Si(1)#1	-61.092(7)

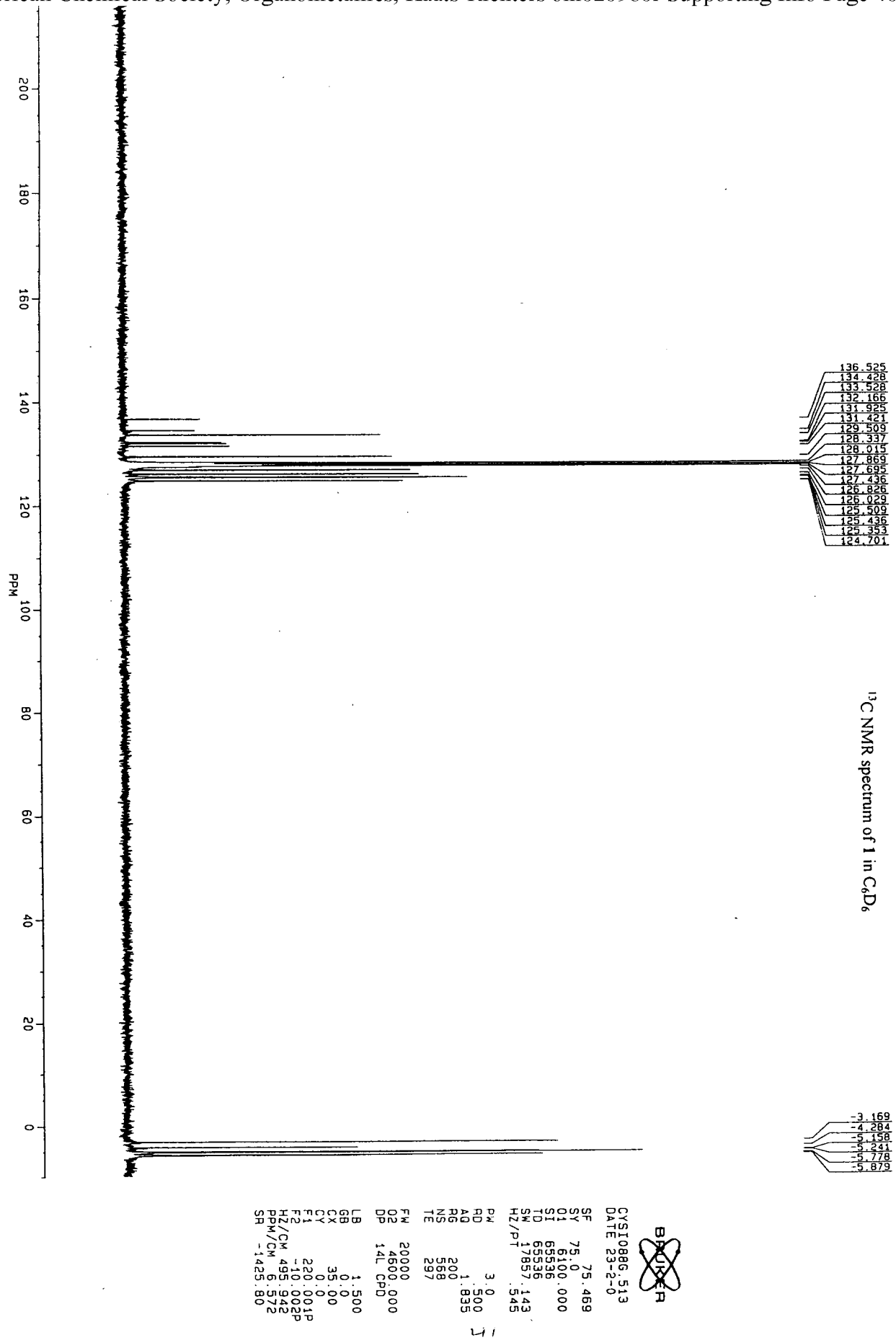
Symmetry transformations used to generate equivalent atoms:
#1 -x+1,-y+1,-z+1

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^{1}H NMR spectrum of **1** in C_6D_6

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^{13}C NMR spectrum of **1** in C_6D_6