Supporting Information for:

Synthesis of neutral mixed sandwich CH_2-SiR_2 bridged [2]cobaltoarenophanes from the dilithiation of Cb*CoCp [$Co(\eta^4\text{-}Me_4C_4)(\eta^5\text{-}C_5H_5)$]

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Preparation of Cb*CoCp (**4**): To a solution of Cb*Co(CO)$_2$I[1] (3.35g, 9.57 mmol; *n*-hexane 150 mL) was added two equivalents of LiCp (1.38g, 19.14 mmol; THF 25 mL) (prepared by the addition of ^{n}BuLi to freshly cracked cyclopentadiene at 0°C) at -10°C. The reaction mixture was then refluxed at 40°C for 2 hours under a nitrogen atmosphere. The colour of the reaction mixture fades from dark orange to yellow with the formation of a white precipitate (LiI). The reaction mixture was then filtered under N_2 and the solvent was removed *in vacuo*. The solution was cooled to -20°C after removal of approximately 100 mL of solvent to prevent loss of the required compound *in vacuo*. The resulting solids were then purified by sublimation under static vacuum giving Cb*CoCp[2] in 70-80% yield. It should be noted that the synthesis fails in *n*-hexanes alone. Also, if only THF is used or if THF is used in greater quantity than specified, the isolated yield falls to as low as 40%. ^{13}C{^{1}H} NMR($CDCl_3$; δ (ppm)) 80.01(Cp), 74.83(Cb*), 10.82(Me(Cb*)).

(1) Mutseneck, E. V.; Loginov, D. A.; Perekalin, D. S.; Starikova, Z. A.; Golovanov, D. G.; Petrovskii, P. V.; Zanello, P.; Corsini, M.; Laschi, F.; Kudinov, A. R. *Organometallics* **2004**, *23*, 5944-5957.

(2) Mutseneck, E. V.; Loginov, D. A.; Perekalin, D. S.; Starikova, Z. A.; Golovanov, D. G.; Petrovskii, P. V.; Zanello, P.; Corsini, M.; Laschi, F.; Kudinov, A. R. *Organometallics* **2004**, *23*, 5944-5957.

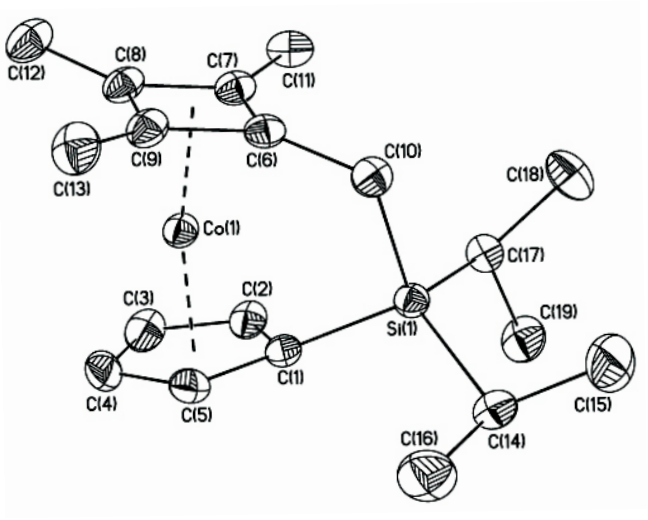

Figure S-1: Solid state structure of **6a**. Ellipsoids are drawn to 50% probability, hydrogen atoms are removed for clarity and the full labeling scheme is included.

Table S-1. Crystal data and structure refinement for **6a**.

Identification code	**6a**
Empirical formula	$C_{19}H_{29}CoSi$
Formula weight	344.44
Temperature	150(2) K
Wavelength	.71073 Å
Crystal system, space group	Monoclinic, *P*2(1)/*c*
Unit cell dimensions	a = 12.898(3) Å alpha = 90 deg. b = 17.481(4) Å beta = 103.99(3) deg. c = 8.2913(17) Å gamma = 90 deg.
Volume	1813.9(6) $Å^3$
Z, Calculated density	4,1.261 Mg/m^3
Absorption coefficient	1.005 mm^{-1}
F(000)	736
Crystal size	0.37 x 0.30 x 0.15 mm
Theta range for data collection	2.33 to 27.50 deg.
Limiting indices	-16<=h<=16, -22<=k<=22, -10<=l<=10
Reflections collected / unique	7821 / 4163 [R(int) = 0.0319]
Completeness to theta = 27.50	99.8 %
Absorption correction	Semi-empirical from equivalents
Max. and min. transmission	0.8639 and 0.7075
Refinement method	Full-matrix least-squares on F^2
Data / restraints / parameters	4163 / 0 / 197
Goodness-of-fit on F^2	1.064
Final R indices [I>2sigma(I)]	R1 = 0.0350, wR2 = 0.0955
R indices (all data)	R1 = 0.0403, wR2 = 0.0986
Largest diff. peak and hole	.353 and -.437 $e.Å^{-3}$

Table S-2. Atomic coordinates (x 10^4) and equivalent isotropic displacement parameters ($Å^2$ x 10^3) for **6a**. U(eq) is defined as one third of the trace of the orthogonalized Uij tensor.

	x	y	z	U(eq)
Co(1)	2682(1)	1162(1)	3158(1)	21(1)
Si(1)	2005(1)	-492(1)	2028(1)	20(1)
C(2)	1879(2)	1072(1)	696(2)	26(1)
C(10)	3082(1)	-461(1)	4069(2)	23(1)
C(1)	1498(1)	521(1)	1711(2)	22(1)
C(7)	4172(1)	819(1)	3475(2)	23(1)
C(9)	3485(1)	957(1)	5462(2)	24(1)
C(6)	3558(1)	329(1)	4338(2)	21(1)
C(5)	1090(1)	963(1)	2884(2)	28(1)
C(8)	4093(1)	1449(1)	4605(2)	25(1)
C(13)	3101(2)	1024(1)	7013(2)	32(1)
C(12)	4593(2)	2216(1)	4948(2)	35(1)
C(11)	4798(2)	705(1)	2203(2)	30(1)
C(3)	1729(2)	1822(1)	1249(2)	34(1)
C(4)	1237(2)	1757(1)	2606(2)	34(1)
C(17)	2626(1)	-730(1)	242(2)	25(1)
C(14)	933(2)	-1203(1)	2188(2)	28(1)
C(19)	1772(2)	-872(1)	-1367(2)	37(1)
C(18)	3433(2)	-1387(1)	590(3)	40(1)
C(16)	306(2)	-973(1)	3457(3)	40(1)
C(15)	1378(2)	-2010(1)	2573(4)	54(1)

Table S-3. Bond lengths [Å] and angles [deg] for **6a**.

Co(1)-C(6)	1.9557(17)
Co(1)-C(7)	1.9697(18)
Co(1)-C(9)	1.9739(18)
Co(1)-C(8)	1.9872(18)
Co(1)-C(1)	2.0345(17)
Co(1)-C(5)	2.0400(19)
Co(1)-C(2)	2.0597(19)
Co(1)-C(4)	2.0852(19)
Co(1)-C(3)	2.0980(18)
Si(1)-C(1)	1.8831(18)
Si(1)-C(14)	1.8880(19)
Si(1)-C(17)	1.8929(18)
Si(1)-C(10)	1.9137(18)
C(2)-C(3)	1.417(3)
C(2)-C(1)	1.441(3)
C(2)-H(2A)	1.0000
C(10)-C(6)	1.506(2)
C(10)-H(10A)	.9900
C(10)-H(10B)	.9900
C(1)-C(5)	1.438(2)
C(7)-C(8)	1.465(3)
C(7)-C(6)	1.466(2)
C(7)-C(11)	1.489(2)
C(9)-C(6)	1.457(2)
C(9)-C(8)	1.459(3)

C(9)-C(13)	1.490(2)
C(5)-C(4)	1.428(3)
C(5)-H(5A)	1.0000
C(8)-C(12)	1.486(3)
C(13)-H(13A)	.9800
C(13)-H(13B)	.9800
C(13)-H(13C)	.9800
C(12)-H(12A)	.9800
C(12)-H(12B)	.9800
C(12)-H(12C)	.9800
C(11)-H(11A)	.9800
C(11)-H(11B)	.9800
C(11)-H(11C)	.9800
C(3)-C(4)	1.424(3)
C(3)-H(3A)	1.0000
C(4)-H(4A)	1.0000
C(17)-C(18)	1.529(3)
C(17)-C(19)	1.532(3)
C(17)-H(17A)	1.0000
C(14)-C(15)	1.528(3)
C(14)-C(16)	1.528(3)
C(14)-H(14A)	1.0000
C(19)-H(19A)	.9800
C(19)-H(19B)	.9800
C(19)-H(19C)	.9800
C(18)-H(18A)	.9800
C(18)-H(18B)	.9800

C(18)-H(18C)	.9800
C(16)-H(16A)	.9800
C(16)-H(16B)	.9800
C(16)-H(16C)	.9800
C(15)-H(15A)	.9800
C(15)-H(15B)	.9800
C(15)-H(15C)	.9800
C(6)-Co(1)-C(7)	43.85(7)
C(6)-Co(1)-C(9)	43.54(7)
C(7)-Co(1)-C(9)	63.15(8)
C(6)-Co(1)-C(8)	63.31(7)
C(7)-Co(1)-C(8)	43.44(7)
C(9)-Co(1)-C(8)	43.23(7)
C(6)-Co(1)-C(1)	98.36(7)
C(7)-Co(1)-C(1)	118.66(7)
C(9)-Co(1)-C(1)	127.88(7)
C(8)-Co(1)-C(1)	160.38(7)
C(6)-Co(1)-C(5)	111.89(8)
C(7)-Co(1)-C(5)	152.39(8)
C(9)-Co(1)-C(5)	110.81(8)
C(8)-Co(1)-C(5)	149.39(8)
C(1)-Co(1)-C(5)	41.34(7)
C(6)-Co(1)-C(2)	122.01(7)
C(7)-Co(1)-C(2)	110.43(8)
C(9)-Co(1)-C(2)	164.98(8)
C(8)-Co(1)-C(2)	141.74(8)
C(1)-Co(1)-C(2)	41.21(7)

C(5)-Co(1)-C(2)	68.02(8)
C(6)-Co(1)-C(4)	149.22(8)
C(7)-Co(1)-C(4)	166.48(8)
C(9)-Co(1)-C(4)	122.37(8)
C(8)-Co(1)-C(4)	130.27(8)
C(1)-Co(1)-C(4)	69.05(8)
C(5)-Co(1)-C(4)	40.48(8)
C(2)-Co(1)-C(4)	67.22(8)
C(6)-Co(1)-C(3)	161.64(8)
C(7)-Co(1)-C(3)	129.97(8)
C(9)-Co(1)-C(3)	154.80(8)
C(8)-Co(1)-C(3)	126.94(8)
C(1)-Co(1)-C(3)	68.83(8)
C(5)-Co(1)-C(3)	67.68(9)
C(2)-Co(1)-C(3)	39.85(7)
C(4)-Co(1)-C(3)	39.79(9)
C(1)-Si(1)-C(14)	113.22(8)
C(1)-Si(1)-C(17)	107.23(8)
C(14)-Si(1)-C(17)	111.44(8)
C(1)-Si(1)-C(10)	104.50(7)
C(14)-Si(1)-C(10)	110.11(8)
C(17)-Si(1)-C(10)	110.08(8)
C(3)-C(2)-C(1)	109.65(17)
C(3)-C(2)-Co(1)	71.53(10)
C(1)-C(2)-Co(1)	68.46(9)
C(3)-C(2)-H(2A)	125.2
C(1)-C(2)-H(2A)	125.2

Co(1)-C(2)-H(2A)	125.2
C(6)-C(10)-Si(1)	109.86(11)
C(6)-C(10)-H(10A)	109.7
Si(1)-C(10)-H(10A)	109.7
C(6)-C(10)-H(10B)	109.7
Si(1)-C(10)-H(10B)	109.7
H(10A)-C(10)-H(10B)	108.2
C(5)-C(1)-C(2)	105.60(16)
C(5)-C(1)-Si(1)	125.55(14)
C(2)-C(1)-Si(1)	123.65(13)
C(5)-C(1)-Co(1)	69.53(10)
C(2)-C(1)-Co(1)	70.33(10)
Si(1)-C(1)-Co(1)	104.50(8)
C(8)-C(7)-C(6)	89.86(14)
C(8)-C(7)-C(11)	133.44(16)
C(6)-C(7)-C(11)	135.81(17)
C(8)-C(7)-Co(1)	68.91(10)
C(6)-C(7)-Co(1)	67.57(9)
C(11)-C(7)-Co(1)	128.73(12)
C(6)-C(9)-C(8)	90.39(14)
C(6)-C(9)-C(13)	134.22(17)
C(8)-C(9)-C(13)	134.74(17)
C(6)-C(9)-Co(1)	67.56(9)
C(8)-C(9)-Co(1)	68.87(9)
C(13)-C(9)-Co(1)	127.88(14)
C(9)-C(6)-C(7)	89.89(14)
C(9)-C(6)-C(10)	134.28(15)

C(7)-C(6)-C(10)	135.48(15)
C(9)-C(6)-Co(1)	68.90(10)
C(7)-C(6)-Co(1)	68.59(9)
C(10)-C(6)-Co(1)	116.31(11)
C(4)-C(5)-C(1)	109.15(17)
C(4)-C(5)-Co(1)	71.46(11)
C(1)-C(5)-Co(1)	69.13(10)
C(4)-C(5)-H(5A)	125.4
C(1)-C(5)-H(5A)	125.4
Co(1)-C(5)-H(5A)	125.4
C(9)-C(8)-C(7)	89.86(14)
C(9)-C(8)-C(12)	134.29(17)
C(7)-C(8)-C(12)	134.97(17)
C(9)-C(8)-Co(1)	67.90(9)
C(7)-C(8)-Co(1)	67.64(9)
C(12)-C(8)-Co(1)	129.38(13)
C(9)-C(13)-H(13A)	109.5
C(9)-C(13)-H(13B)	109.5
H(13A)-C(13)-H(13B)	109.5
C(9)-C(13)-H(13C)	109.5
H(13A)-C(13)-H(13C)	109.5
H(13B)-C(13)-H(13C)	109.5
C(8)-C(12)-H(12A)	109.5
C(8)-C(12)-H(12B)	109.5
H(12A)-C(12)-H(12B)	109.5
C(8)-C(12)-H(12C)	109.5
H(12A)-C(12)-H(12C)	109.5

H(12B)-C(12)-H(12C)	109.5
C(7)-C(11)-H(11A)	109.5
C(7)-C(11)-H(11B)	109.5
H(11A)-C(11)-H(11B)	109.5
C(7)-C(11)-H(11C)	109.5
H(11A)-C(11)-H(11C)	109.5
H(11B)-C(11)-H(11C)	109.5
C(2)-C(3)-C(4)	107.73(17)
C(2)-C(3)-Co(1)	68.62(10)
C(4)-C(3)-Co(1)	69.62(10)
C(2)-C(3)-H(3A)	126.1
C(4)-C(3)-H(3A)	126.1
Co(1)-C(3)-H(3A)	126.1
C(3)-C(4)-C(5)	107.87(17)
C(3)-C(4)-Co(1)	70.59(11)
C(5)-C(4)-Co(1)	68.06(10)
C(3)-C(4)-H(4A)	126.1
C(5)-C(4)-H(4A)	126.1
Co(1)-C(4)-H(4A)	126.1
C(18)-C(17)-C(19)	110.89(17)
C(18)-C(17)-Si(1)	114.56(13)
C(19)-C(17)-Si(1)	111.41(13)
C(18)-C(17)-H(17A)	106.5
C(19)-C(17)-H(17A)	106.5
Si(1)-C(17)-H(17A)	106.5
C(15)-C(14)-C(16)	109.52(18)
C(15)-C(14)-Si(1)	112.26(14)

C(16)-C(14)-Si(1)	113.13(14)
C(15)-C(14)-H(14A)	107.2
C(16)-C(14)-H(14A)	107.2
Si(1)-C(14)-H(14A)	107.2
C(17)-C(19)-H(19A)	109.5
C(17)-C(19)-H(19B)	109.5
H(19A)-C(19)-H(19B)	109.5
C(17)-C(19)-H(19C)	109.5
H(19A)-C(19)-H(19C)	109.5
H(19B)-C(19)-H(19C)	109.5
C(17)-C(18)-H(18A)	109.5
C(17)-C(18)-H(18B)	109.5
H(18A)-C(18)-H(18B)	109.5
C(17)-C(18)-H(18C)	109.5
H(18A)-C(18)-H(18C)	109.5
H(18B)-C(18)-H(18C)	109.5
C(14)-C(16)-H(16A)	109.5
C(14)-C(16)-H(16B)	109.5
H(16A)-C(16)-H(16B)	109.5
C(14)-C(16)-H(16C)	109.5
H(16A)-C(16)-H(16C)	109.5
H(16B)-C(16)-H(16C)	109.5
C(14)-C(15)-H(15A)	109.5
C(14)-C(15)-H(15B)	109.5
H(15A)-C(15)-H(15B)	109.5
C(14)-C(15)-H(15C)	109.5
H(15A)-C(15)-H(15C)	109.5

H(15B)-C(15)-H(15C) 109.5

Table S-4. Anisotropic displacement parameters ($Å^2$ x 10^3) for **6a**. 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
Co(1)	22(1)	20(1)	18(1)	1(1)	0(1)	1(1)
Si(1)	19(1)	20(1)	19(1)	1(1)	3(1)	0(1)
C(2)	30(1)	26(1)	18(1)	2(1)	-4(1)	1(1)
C(10)	24(1)	22(1)	21(1)	4(1)	3(1)	0(1)
C(1)	19(1)	24(1)	20(1)	-2(1)	-1(1)	1(1)
C(7)	22(1)	25(1)	20(1)	6(1)	1(1)	-1(1)
C(9)	25(1)	26(1)	19(1)	1(1)	-1(1)	-2(1)
C(6)	19(1)	24(1)	17(1)	4(1)	0(1)	1(1)
C(5)	19(1)	33(1)	30(1)	-5(1)	2(1)	3(1)
C(8)	25(1)	24(1)	21(1)	4(1)	-3(1)	-3(1)
C(13)	38(1)	36(1)	21(1)	-1(1)	7(1)	0(1)
C(12)	38(1)	28(1)	34(1)	3(1)	-3(1)	-8(1)
C(11)	25(1)	39(1)	26(1)	6(1)	6(1)	-1(1)
C(3)	38(1)	24(1)	30(1)	5(1)	-10(1)	4(1)
C(4)	29(1)	30(1)	38(1)	-8(1)	-5(1)	11(1)
C(17)	26(1)	25(1)	24(1)	1(1)	7(1)	1(1)
C(14)	22(1)	28(1)	32(1)	-1(1)	6(1)	-4(1)
C(19)	44(1)	42(1)	24(1)	-6(1)	4(1)	-1(1)
C(18)	42(1)	41(1)	42(1)	5(1)	20(1)	15(1)
C(16)	35(1)	44(1)	48(1)	4(1)	19(1)	-4(1)
C(15)	45(1)	27(1)	98(2)	5(1)	30(1)	-7(1)

Table S-5. Hydrogen coordinates (x 10^4) and isotropic displacement parameters (Å^2 x 10^3) for **6a**.

	x	y	z	U(eq)
H(2A)	2216	944	-238	32
H(10A)	2765	-598	5005	27
H(10B)	3649	-838	4031	27
H(5A)	758	748	3758	34
H(13A)	2476	694	6930	47
H(13B)	2903	1556	7160	47
H(13C)	3670	866	7967	47
H(12A)	4133	2547	5429	53
H(12B)	4683	2442	3908	53
H(12C)	5292	2166	5731	53
H(11A)	4787	1176	1560	45
H(11B)	4482	287	1456	45
H(11C)	5538	575	2756	45
H(3A)	1946	2308	787	41
H(4A)	1041	2191	3261	41
H(17A)	3031	-265	47	30
H(14A)	414	-1222	1077	33
H(19A)	2116	-941	-2289	56
H(19B)	1287	-432	-1596	56
H(19C)	1365	-1333	-1245	56
H(18A)	3088	-1847	894	60
H(18B)	4037	-1245	1507	60

H(18C)	3690	-1491	-408	60
H(16A)	-244	-1358	3473	61
H(16B)	-34	-475	3151	61
H(16C)	794	-938	4562	61
H(15A)	1961	-2000	3582	82
H(15B)	1649	-2199	1640	82
H(15C)	810	-2350	2745	82

Table S-6. Torsion angles [deg] for **6a**.

C(6)-Co(1)-C(2)-C(3)	-176.13(12)
C(7)-Co(1)-C(2)-C(3)	-128.57(12)
C(9)-Co(1)-C(2)-C(3)	169.6(3)
C(8)-Co(1)-C(2)-C(3)	-89.72(16)
C(1)-Co(1)-C(2)-C(3)	120.86(17)
C(5)-Co(1)-C(2)-C(3)	81.05(13)
C(4)-Co(1)-C(2)-C(3)	37.11(13)
C(6)-Co(1)-C(2)-C(1)	63.01(13)
C(7)-Co(1)-C(2)-C(1)	110.58(11)
C(9)-Co(1)-C(2)-C(1)	48.7(3)
C(8)-Co(1)-C(2)-C(1)	149.42(12)
C(5)-Co(1)-C(2)-C(1)	-39.81(10)
C(4)-Co(1)-C(2)-C(1)	-83.75(12)
C(3)-Co(1)-C(2)-C(1)	-120.86(17)
C(1)-Si(1)-C(10)-C(6)	-27.01(14)

C(14)-Si(1)-C(10)-C(6)	-148.90(12)
C(17)-Si(1)-C(10)-C(6)	87.85(13)
C(3)-C(2)-C(1)-C(5)	1.1(2)
Co(1)-C(2)-C(1)-C(5)	60.97(11)
C(3)-C(2)-C(1)-Si(1)	-154.50(13)
Co(1)-C(2)-C(1)-Si(1)	-94.67(12)
C(3)-C(2)-C(1)-Co(1)	-59.84(13)
C(14)-Si(1)-C(1)-C(5)	64.89(17)
C(17)-Si(1)-C(1)-C(5)	-171.78(15)
C(10)-Si(1)-C(1)-C(5)	-54.94(17)
C(14)-Si(1)-C(1)-C(2)	-144.34(14)
C(17)-Si(1)-C(1)-C(2)	-21.01(16)
C(10)-Si(1)-C(1)-C(2)	95.83(15)
C(14)-Si(1)-C(1)-Co(1)	139.87(8)
C(17)-Si(1)-C(1)-Co(1)	-96.80(9)
C(10)-Si(1)-C(1)-Co(1)	20.04(10)
C(6)-Co(1)-C(1)-C(5)	113.81(11)
C(7)-Co(1)-C(1)-C(5)	155.18(11)
C(9)-Co(1)-C(1)-C(5)	78.30(13)
C(8)-Co(1)-C(1)-C(5)	133.8(2)
C(2)-Co(1)-C(1)-C(5)	-115.98(15)
C(4)-Co(1)-C(1)-C(5)	-37.07(11)
C(3)-Co(1)-C(1)-C(5)	-79.84(12)
C(6)-Co(1)-C(1)-C(2)	-130.21(11)
C(7)-Co(1)-C(1)-C(2)	-88.84(12)
C(9)-Co(1)-C(1)-C(2)	-165.72(11)
C(8)-Co(1)-C(1)-C(2)	-110.2(2)

C(5)-Co(1)-C(1)-C(2)	115.98(15)
C(4)-Co(1)-C(1)-C(2)	78.92(12)
C(3)-Co(1)-C(1)-C(2)	36.15(11)
C(6)-Co(1)-C(1)-Si(1)	-9.18(9)
C(7)-Co(1)-C(1)-Si(1)	32.19(11)
C(9)-Co(1)-C(1)-Si(1)	-44.69(12)
C(8)-Co(1)-C(1)-Si(1)	10.8(3)
C(5)-Co(1)-C(1)-Si(1)	-122.99(14)
C(2)-Co(1)-C(1)-Si(1)	121.03(14)
C(4)-Co(1)-C(1)-Si(1)	-160.06(11)
C(3)-Co(1)-C(1)-Si(1)	157.17(11)
C(6)-Co(1)-C(7)-C(8)	-99.00(13)
C(9)-Co(1)-C(7)-C(8)	-49.23(10)
C(1)-Co(1)-C(7)-C(8)	-169.73(9)
C(5)-Co(1)-C(7)-C(8)	-132.99(15)
C(2)-Co(1)-C(7)-C(8)	145.61(10)
C(4)-Co(1)-C(7)-C(8)	68.2(3)
C(3)-Co(1)-C(7)-C(8)	104.79(12)
C(9)-Co(1)-C(7)-C(6)	49.77(10)
C(8)-Co(1)-C(7)-C(6)	99.00(13)
C(1)-Co(1)-C(7)-C(6)	-70.74(11)
C(5)-Co(1)-C(7)-C(6)	-33.99(18)
C(2)-Co(1)-C(7)-C(6)	-115.39(10)
C(4)-Co(1)-C(7)-C(6)	167.2(3)
C(3)-Co(1)-C(7)-C(6)	-156.21(10)
C(6)-Co(1)-C(7)-C(11)	131.5(2)
C(9)-Co(1)-C(7)-C(11)	-178.7(2)

C(8)-Co(1)-C(7)-C(11)	-129.5(2)
C(1)-Co(1)-C(7)-C(11)	60.81(19)
C(5)-Co(1)-C(7)-C(11)	97.6(2)
C(2)-Co(1)-C(7)-C(11)	16.16(19)
C(4)-Co(1)-C(7)-C(11)	-61.2(4)
C(3)-Co(1)-C(7)-C(11)	-24.7(2)
C(7)-Co(1)-C(9)-C(6)	-50.16(10)
C(8)-Co(1)-C(9)-C(6)	-99.64(14)
C(1)-Co(1)-C(9)-C(6)	56.53(13)
C(5)-Co(1)-C(9)-C(6)	100.32(11)
C(2)-Co(1)-C(9)-C(6)	17.7(3)
C(4)-Co(1)-C(9)-C(6)	144.06(11)
C(3)-Co(1)-C(9)-C(6)	-178.11(17)
C(6)-Co(1)-C(9)-C(8)	99.64(14)
C(7)-Co(1)-C(9)-C(8)	49.49(11)
C(1)-Co(1)-C(9)-C(8)	156.18(11)
C(5)-Co(1)-C(9)-C(8)	-160.04(11)
C(2)-Co(1)-C(9)-C(8)	117.3(3)
C(4)-Co(1)-C(9)-C(8)	-116.30(12)
C(3)-Co(1)-C(9)-C(8)	-78.5(2)
C(6)-Co(1)-C(9)-C(13)	-129.4(2)
C(7)-Co(1)-C(9)-C(13)	-179.6(2)
C(8)-Co(1)-C(9)-C(13)	131.0(2)
C(1)-Co(1)-C(9)-C(13)	-72.9(2)
C(5)-Co(1)-C(9)-C(13)	-29.08(19)
C(2)-Co(1)-C(9)-C(13)	-111.7(3)
C(4)-Co(1)-C(9)-C(13)	14.7(2)

C(3)-Co(1)-C(9)-C(13)	52.5(3)
C(8)-C(9)-C(6)-C(7)	.14(13)
C(13)-C(9)-C(6)-C(7)	-171.3(2)
Co(1)-C(9)-C(6)-C(7)	67.01(9)
C(8)-C(9)-C(6)-C(10)	-173.55(17)
C(13)-C(9)-C(6)-C(10)	15.0(3)
Co(1)-C(9)-C(6)-C(10)	-106.69(19)
C(8)-C(9)-C(6)-Co(1)	-66.87(9)
C(13)-C(9)-C(6)-Co(1)	121.7(2)
C(8)-C(7)-C(6)-C(9)	-.14(13)
C(11)-C(7)-C(6)-C(9)	169.58(19)
Co(1)-C(7)-C(6)-C(9)	-67.30(10)
C(8)-C(7)-C(6)-C(10)	173.42(18)
C(11)-C(7)-C(6)-C(10)	-16.9(3)
Co(1)-C(7)-C(6)-C(10)	106.27(19)
C(8)-C(7)-C(6)-Co(1)	67.15(10)
C(11)-C(7)-C(6)-Co(1)	-123.1(2)
Si(1)-C(10)-C(6)-C(9)	107.62(19)
Si(1)-C(10)-C(6)-C(7)	-63.4(2)
Si(1)-C(10)-C(6)-Co(1)	22.14(16)
C(7)-Co(1)-C(6)-C(9)	98.57(13)
C(8)-Co(1)-C(6)-C(9)	49.09(11)
C(1)-Co(1)-C(6)-C(9)	-138.28(11)
C(5)-Co(1)-C(6)-C(9)	-97.64(11)
C(2)-Co(1)-C(6)-C(9)	-174.67(10)
C(4)-Co(1)-C(6)-C(9)	-75.63(17)
C(3)-Co(1)-C(6)-C(9)	177.4(2)

C(9)-Co(1)-C(6)-C(7)	-98.57(13)
C(8)-Co(1)-C(6)-C(7)	-49.48(10)
C(1)-Co(1)-C(6)-C(7)	123.15(10)
C(5)-Co(1)-C(6)-C(7)	163.78(10)
C(2)-Co(1)-C(6)-C(7)	86.75(12)
C(4)-Co(1)-C(6)-C(7)	-174.20(13)
C(3)-Co(1)-C(6)-C(7)	78.9(3)
C(7)-Co(1)-C(6)-C(10)	-131.33(17)
C(9)-Co(1)-C(6)-C(10)	130.09(17)
C(8)-Co(1)-C(6)-C(10)	179.19(15)
C(1)-Co(1)-C(6)-C(10)	-8.19(13)
C(5)-Co(1)-C(6)-C(10)	32.45(15)
C(2)-Co(1)-C(6)-C(10)	-44.58(16)
C(4)-Co(1)-C(6)-C(10)	54.5(2)
C(3)-Co(1)-C(6)-C(10)	-52.5(3)
C(2)-C(1)-C(5)-C(4)	-1.01(19)
Si(1)-C(1)-C(5)-C(4)	154.03(13)
Co(1)-C(1)-C(5)-C(4)	60.49(13)
C(2)-C(1)-C(5)-Co(1)	-61.50(12)
Si(1)-C(1)-C(5)-Co(1)	93.54(13)
C(6)-Co(1)-C(5)-C(4)	162.82(11)
C(7)-Co(1)-C(5)-C(4)	-172.51(14)
C(9)-Co(1)-C(5)-C(4)	115.90(12)
C(8)-Co(1)-C(5)-C(4)	88.56(18)
C(1)-Co(1)-C(5)-C(4)	-119.88(16)
C(2)-Co(1)-C(5)-C(4)	-80.19(12)
C(3)-Co(1)-C(5)-C(4)	-37.01(11)

C(6)-Co(1)-C(5)-C(1)	-77.31(12)
C(7)-Co(1)-C(5)-C(1)	-52.64(19)
C(9)-Co(1)-C(5)-C(1)	-124.23(11)
C(8)-Co(1)-C(5)-C(1)	-151.56(14)
C(2)-Co(1)-C(5)-C(1)	39.69(10)
C(4)-Co(1)-C(5)-C(1)	119.88(16)
C(3)-Co(1)-C(5)-C(1)	82.86(12)
C(6)-C(9)-C(8)-C(7)	-.14(13)
C(13)-C(9)-C(8)-C(7)	171.2(2)
Co(1)-C(9)-C(8)-C(7)	-65.83(9)
C(6)-C(9)-C(8)-C(12)	-170.2(2)
C(13)-C(9)-C(8)-C(12)	1.2(4)
Co(1)-C(9)-C(8)-C(12)	124.1(2)
C(6)-C(9)-C(8)-Co(1)	65.68(9)
C(13)-C(9)-C(8)-Co(1)	-122.9(2)
C(6)-C(7)-C(8)-C(9)	.14(13)
C(11)-C(7)-C(8)-C(9)	-170.00(19)
Co(1)-C(7)-C(8)-C(9)	66.06(10)
C(6)-C(7)-C(8)-C(12)	170.10(19)
C(11)-C(7)-C(8)-C(12)	.0(3)
Co(1)-C(7)-C(8)-C(12)	-124.0(2)
C(6)-C(7)-C(8)-Co(1)	-65.92(9)
C(11)-C(7)-C(8)-Co(1)	123.9(2)
C(6)-Co(1)-C(8)-C(9)	-49.47(11)
C(7)-Co(1)-C(8)-C(9)	-99.45(14)
C(1)-Co(1)-C(8)-C(9)	-71.7(2)
C(5)-Co(1)-C(8)-C(9)	38.8(2)

C(2)-Co(1)-C(8)-C(9)	-158.18(12)
C(4)-Co(1)-C(8)-C(9)	97.08(13)
C(3)-Co(1)-C(8)-C(9)	148.54(12)
C(6)-Co(1)-C(8)-C(7)	49.98(10)
C(9)-Co(1)-C(8)-C(7)	99.45(14)
C(1)-Co(1)-C(8)-C(7)	27.8(2)
C(5)-Co(1)-C(8)-C(7)	138.26(15)
C(2)-Co(1)-C(8)-C(7)	-58.73(15)
C(4)-Co(1)-C(8)-C(7)	-163.47(11)
C(3)-Co(1)-C(8)-C(7)	-112.02(12)
C(6)-Co(1)-C(8)-C(12)	-179.4(2)
C(7)-Co(1)-C(8)-C(12)	130.6(2)
C(9)-Co(1)-C(8)-C(12)	-129.9(2)
C(1)-Co(1)-C(8)-C(12)	158.39(19)
C(5)-Co(1)-C(8)-C(12)	-91.1(2)
C(2)-Co(1)-C(8)-C(12)	71.9(2)
C(4)-Co(1)-C(8)-C(12)	-32.8(2)
C(3)-Co(1)-C(8)-C(12)	18.6(2)
C(1)-C(2)-C(3)-C(4)	-.8(2)
Co(1)-C(2)-C(3)-C(4)	-58.82(13)
C(1)-C(2)-C(3)-Co(1)	57.98(12)
C(6)-Co(1)-C(3)-C(2)	10.5(3)
C(7)-Co(1)-C(3)-C(2)	72.94(15)
C(9)-Co(1)-C(3)-C(2)	-173.68(16)
C(8)-Co(1)-C(3)-C(2)	129.22(12)
C(1)-Co(1)-C(3)-C(2)	-37.33(11)
C(5)-Co(1)-C(3)-C(2)	-81.98(13)

C(4)-Co(1)-C(3)-C(2)	-119.63(17)
C(6)-Co(1)-C(3)-C(4)	130.1(2)
C(7)-Co(1)-C(3)-C(4)	-167.43(11)
C(9)-Co(1)-C(3)-C(4)	-54.1(2)
C(8)-Co(1)-C(3)-C(4)	-111.15(13)
C(1)-Co(1)-C(3)-C(4)	82.29(12)
C(5)-Co(1)-C(3)-C(4)	37.64(11)
C(2)-Co(1)-C(3)-C(4)	119.63(17)
C(2)-C(3)-C(4)-C(5)	.2(2)
Co(1)-C(3)-C(4)-C(5)	-58.00(13)
C(2)-C(3)-C(4)-Co(1)	58.19(13)
C(1)-C(5)-C(4)-C(3)	.5(2)
Co(1)-C(5)-C(4)-C(3)	59.58(13)
C(1)-C(5)-C(4)-Co(1)	-59.05(12)
C(6)-Co(1)-C(4)-C(3)	-151.90(14)
C(7)-Co(1)-C(4)-C(3)	45.5(3)
C(9)-Co(1)-C(4)-C(3)	155.91(11)
C(8)-Co(1)-C(4)-C(3)	102.33(13)
C(1)-Co(1)-C(4)-C(3)	-81.69(12)
C(5)-Co(1)-C(4)-C(3)	-119.51(16)
C(2)-Co(1)-C(4)-C(3)	-37.17(11)
C(6)-Co(1)-C(4)-C(5)	-32.39(19)
C(7)-Co(1)-C(4)-C(5)	165.0(3)
C(9)-Co(1)-C(4)-C(5)	-84.57(13)
C(8)-Co(1)-C(4)-C(5)	-138.16(11)
C(1)-Co(1)-C(4)-C(5)	37.82(11)
C(2)-Co(1)-C(4)-C(5)	82.35(12)

C(3)-Co(1)-C(4)-C(5)	119.51(16)
C(1)-Si(1)-C(17)-C(18)	158.11(15)
C(14)-Si(1)-C(17)-C(18)	-77.47(17)
C(10)-Si(1)-C(17)-C(18)	44.99(17)
C(1)-Si(1)-C(17)-C(19)	-74.99(15)
C(14)-Si(1)-C(17)-C(19)	49.43(16)
C(10)-Si(1)-C(17)-C(19)	171.89(13)
C(1)-Si(1)-C(14)-C(15)	-175.75(16)
C(17)-Si(1)-C(14)-C(15)	63.27(19)
C(10)-Si(1)-C(14)-C(15)	-59.18(18)
C(1)-Si(1)-C(14)-C(16)	-51.18(17)
C(17)-Si(1)-C(14)-C(16)	-172.16(14)
C(10)-Si(1)-C(14)-C(16)	65.39(16)

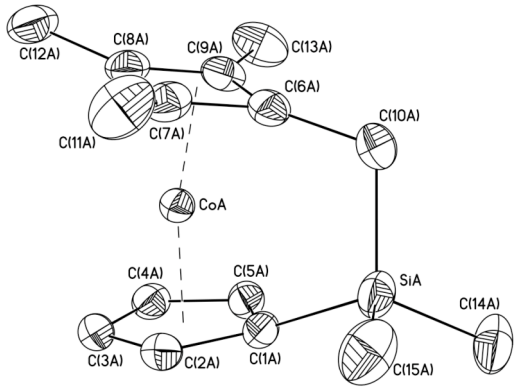

Figure S-2. Solid state structure of **6b**. Ellipsoids are drawn to 50% probability, hydrogen atoms are removed for clarity and the full labeling scheme is included. Only one molecule out of the two similar molecules in the asymmetric unit is shown.

Table S-7. Crystal data and structure refinement for **6b**.

Identification code	**6b**
Empirical formula	$C_{15}H_{21}CoSi$
Formula weight	288.34
Temperature	193(2) K
Wavelength	.71073 Å
Crystal system, space group	Triclinic, P-1
Unit cell dimensions	a = 8.0983(11) Å alpha = 87.9573(19) deg. b = 8.9558(12) Å beta = 86.5522(18) deg. c = 20.885(3) Å gamma = 77.6112(17) deg.
Volume	1476.4(3) $Å^3$
Z, Calculated density	4, 1.297 Mg/m^3
Absorption coefficient	1.221 mm^{-1}
F(000)	608
Crystal size	0.54 x 0.42 x 0.40 mm
Theta range for data collection	1.95 to 27.50 deg.
Limiting indices	-10<=h<=10, -11<=k<=11, -26<=l<=27
Reflections collected / unique	12352 / 6618 [R(int) = 0.0201]
Completeness to theta	= 27.50 97.3 %
Absorption correction	Semi-empirical from equivalents
Max. and min. transmission	0.6409 and 0.5586
Refinement method	Full-matrix least-squares on F^2
Data / restraints / parameters	6618 / 0 / 317
Goodness-of-fit on F^2	1.164
Final R indices [I>2sigma(I)]	R1 = 0.0360, wR2 = 0.1167
R indices (all data)	R1 = 0.0396, wR2 = 0.1190
Largest diff. peak and hole	.908 and -.377 $e.Å^3$

Table S-8. Atomic coordinates (x 10^4) and equivalent isotropic displacement parameters ($Å^2$ x 10^3) for **6b**. U(eq) is defined as one third of the trace of the orthogonalized Uij tensor.

	x	y	z	U(eq)
CoA	2336(1)	8298(1)	4056(1)	25(1)
SiA	2961(1)	7930(1)	2581(1)	34(1)
C(6A)	4188(3)	6655(3)	3755(1)	32(1)
C(7A)	2911(4)	6050(3)	4152(1)	34(1)
C(8A)	3374(3)	6761(3)	4710(1)	33(1)
C(9A)	4636(3)	7360(3)	4319(1)	34(1)
C(10A)	4728(4)	6711(4)	3051(1)	43(1)

C(11A)	1865(5)	4913(4)	4061(2)	54(1)
C(12A)	2972(5)	6641(4)	5413(1)	50(1)
C(13A)	6042(4)	8125(4)	4456(2)	55(1)
C(14A)	3878(5)	8968(4)	1905(2)	50(1)
C(15A)	1585(5)	6743(4)	2263(2)	50(1)
C(1A)	1675(3)	9268(3)	3186(1)	29(1)
C(2A)	198(3)	8983(3)	3544(1)	32(1)
C(3A)	-39(3)	9817(3)	4122(1)	33(1)
C(4A)	1272(3)	10631(3)	4134(1)	33(1)
C(5A)	2324(3)	10304(3)	3561(1)	31(1)
CoB	7565(1)	3480(1)	879(1)	25(1)
SiB	7689(1)	2645(1)	2343(1)	30(1)
C(6B)	8889(3)	1471(3)	1126(1)	28(1)
C(9B)	9935(3)	2363(3)	756(1)	27(1)
C(8B)	8999(3)	2271(3)	188(1)	29(1)
C(7B)	7953(3)	1387(3)	556(1)	31(1)
C(10B)	8718(4)	962(3)	1818(1)	37(1)
C(13B)	11505(3)	2898(4)	878(2)	39(1)
C(12B)	9262(4)	2603(4)	-511(1)	42(1)
C(11B)	6652(4)	538(4)	382(2)	47(1)
C(15B)	6093(5)	2040(4)	2918(2)	50(1)
C(14B)	9271(4)	3361(4)	2784(2)	48(1)
C(1B)	6640(3)	4175(3)	1774(1)	29(1)
C(5B)	7413(3)	5320(3)	1457(1)	33(1)
C(4B)	6553(4)	5838(3)	888(1)	42(1)
C(3B)	5232(4)	5034(4)	847(1)	43(1)
C(2B)	5275(3)	4014(4)	1388(1)	35(1)

Table S-9. Bond lengths [Å] and angles [deg] for **6b**.

CoA-C(6A)	1.953(2)
CoA-C(7A)	1.972(3)
CoA-C(9A)	1.973(3)
CoA-C(8A)	1.992(2)
CoA-C(1A)	2.038(2)
CoA-C(5A)	2.040(3)
CoA-C(2A)	2.059(2)
CoA-C(4A)	2.090(3)
CoA-C(3A)	2.104(3)
SiA-C(15A)	1.860(3)
SiA-C(14A)	1.868(3)
SiA-C(1A)	1.878(3)
SiA-C(10A)	1.904(3)
C(6A)-C(9A)	1.457(4)
C(6A)-C(7A)	1.468(4)
C(6A)-C(10A)	1.511(4)
C(7A)-C(8A)	1.453(4)
C(7A)-C(11A)	1.482(4)
C(8A)-C(9A)	1.449(4)
C(8A)-C(12A)	1.491(4)
C(9A)-C(13A)	1.495(4)
C(10A)-H(10A)	.9900
C(10A)-H(10B)	.9900
C(11A)-H(11A)	.9800
C(11A)-H(11B)	.9800

C(11A)-H(11C)	.9800
C(12A)-H(12A)	.9800
C(12A)-H(12B)	.9800
C(12A)-H(12C)	.9800
C(13A)-H(13A)	.9800
C(13A)-H(13B)	.9800
C(13A)-H(13C)	.9800
C(14A)-H(14A)	.9800
C(14A)-H(14B)	.9800
C(14A)-H(14C)	.9800
C(15A)-H(15A)	.9800
C(15A)-H(15B)	.9800
C(15A)-H(15C)	.9800
C(1A)-C(5A)	1.436(4)
C(1A)-C(2A)	1.437(4)
C(2A)-C(3A)	1.423(4)
C(2A)-H(2AA)	1.0000
C(3A)-C(4A)	1.413(4)
C(3A)-H(3AA)	1.0000
C(4A)-C(5A)	1.428(4)
C(4A)-H(4AA)	1.0000
C(5A)-H(5AA)	1.0000
CoB-C(6B)	1.956(2)
CoB-C(7B)	1.970(3)
CoB-C(9B)	1.971(2)
CoB-C(8B)	1.994(2)
CoB-C(1B)	2.038(2)

CoB-C(2B)	2.053(2)
CoB-C(5B)	2.056(3)
CoB-C(4B)	2.095(3)
CoB-C(3B)	2.095(3)
SiB-C(14B)	1.855(3)
SiB-C(15B)	1.864(3)
SiB-C(1B)	1.876(3)
SiB-C(10B)	1.908(3)
C(6B)-C(9B)	1.457(3)
C(6B)-C(7B)	1.463(3)
C(6B)-C(10B)	1.506(4)
C(9B)-C(8B)	1.460(3)
C(9B)-C(13B)	1.490(3)
C(8B)-C(7B)	1.449(4)
C(8B)-C(12B)	1.492(4)
C(7B)-C(11B)	1.493(4)
C(10B)-H(10C)	.9900
C(10B)-H(10D)	.9900
C(13B)-H(13D)	.9800
C(13B)-H(13E)	.9800
C(13B)-H(13F)	.9800
C(12B)-H(12D)	.9800
C(12B)-H(12E)	.9800
C(12B)-H(12F)	.9800
C(11B)-H(11D)	.9800
C(11B)-H(11E)	.9800
C(11B)-H(11F)	.9800

C(15B)-H(15D)	.9800
C(15B)-H(15E)	.9800
C(15B)-H(15F)	.9800
C(14B)-H(14D)	.9800
C(14B)-H(14E)	.9800
C(14B)-H(14F)	.9800
C(1B)-C(5B)	1.435(4)
C(1B)-C(2B)	1.441(3)
C(5B)-C(4B)	1.427(4)
C(5B)-H(5BA)	1.0000
C(4B)-C(3B)	1.420(5)
C(4B)-H(4BA)	1.0000
C(3B)-C(2B)	1.424(4)
C(3B)-H(3BA)	1.0000
C(2B)-H(2BA)	1.0000
C(6A)-CoA-C(7A)	43.91(11)
C(6A)-CoA-C(9A)	43.55(11)
C(7A)-CoA-C(9A)	62.93(12)
C(6A)-CoA-C(8A)	62.97(11)
C(7A)-CoA-C(8A)	42.99(11)
C(9A)-CoA-C(8A)	42.87(11)
C(6A)-CoA-C(1A)	98.03(10)
C(7A)-CoA-C(1A)	119.26(11)
C(9A)-CoA-C(1A)	127.19(11)
C(8A)-CoA-C(1A)	160.04(10)
C(6A)-CoA-C(5A)	112.19(11)
C(7A)-CoA-C(5A)	153.07(11)

C(9A)-CoA-C(5A)	110.74(11)
C(8A)-CoA-C(5A)	148.93(12)
C(1A)-CoA-C(5A)	41.23(10)
C(6A)-CoA-C(2A)	120.98(11)
C(7A)-CoA-C(2A)	110.41(11)
C(9A)-CoA-C(2A)	163.87(11)
C(8A)-CoA-C(2A)	142.44(12)
C(1A)-CoA-C(2A)	41.07(10)
C(5A)-CoA-C(2A)	67.97(11)
C(6A)-CoA-C(4A)	149.91(11)
C(7A)-CoA-C(4A)	165.81(11)
C(9A)-CoA-C(4A)	123.14(11)
C(8A)-CoA-C(4A)	130.70(10)
C(1A)-CoA-C(4A)	68.80(10)
C(5A)-CoA-C(4A)	40.44(10)
C(2A)-CoA-C(4A)	67.11(11)
C(6A)-CoA-C(3A)	160.71(11)
C(7A)-CoA-C(3A)	129.86(12)
C(9A)-CoA-C(3A)	155.73(11)
C(8A)-CoA-C(3A)	128.00(11)
C(1A)-CoA-C(3A)	68.51(10)
C(5A)-CoA-C(3A)	67.30(10)
C(2A)-CoA-C(3A)	39.95(10)
C(4A)-CoA-C(3A)	39.36(11)
C(15A)-SiA-C(14A)	109.71(16)
C(15A)-SiA-C(1A)	108.74(14)
C(14A)-SiA-C(1A)	112.35(13)

C(15A)-SiA-C(10A)	111.29(16)
C(14A)-SiA-C(10A)	110.00(16)
C(1A)-SiA-C(10A)	104.68(12)
C(9A)-C(6A)-C(7A)	89.5(2)
C(9A)-C(6A)-C(10A)	133.3(3)
C(7A)-C(6A)-C(10A)	136.8(3)
C(9A)-C(6A)-CoA	68.96(14)
C(7A)-C(6A)-CoA	68.72(14)
C(10A)-C(6A)-CoA	116.41(18)
C(8A)-C(7A)-C(6A)	89.8(2)
C(8A)-C(7A)-C(11A)	134.0(3)
C(6A)-C(7A)-C(11A)	135.0(3)
C(8A)-C(7A)-CoA	69.25(15)
C(6A)-C(7A)-CoA	67.36(14)
C(11A)-C(7A)-CoA	129.9(2)
C(9A)-C(8A)-C(7A)	90.4(2)
C(9A)-C(8A)-C(12A)	134.4(3)
C(7A)-C(8A)-C(12A)	134.1(3)
C(9A)-C(8A)-CoA	67.86(14)
C(7A)-C(8A)-CoA	67.76(14)
C(12A)-C(8A)-CoA	130.41(19)
C(8A)-C(9A)-C(6A)	90.3(2)
C(8A)-C(9A)-C(13A)	134.8(3)
C(6A)-C(9A)-C(13A)	134.0(3)
C(8A)-C(9A)-CoA	69.26(14)
C(6A)-C(9A)-CoA	67.49(14)
C(13A)-C(9A)-CoA	128.7(2)

C(6A)-C(10A)-SiA	110.36(18)
C(6A)-C(10A)-H(10A)	109.6
SiA-C(10A)-H(10A)	109.6
C(6A)-C(10A)-H(10B)	109.6
SiA-C(10A)-H(10B)	109.6
H(10A)-C(10A)-H(10B)	108.1
C(7A)-C(11A)-H(11A)	109.5
C(7A)-C(11A)-H(11B)	109.5
H(11A)-C(11A)-H(11B)	109.5
C(7A)-C(11A)-H(11C)	109.5
H(11A)-C(11A)-H(11C)	109.5
H(11B)-C(11A)-H(11C)	109.5
C(8A)-C(12A)-H(12A)	109.5
C(8A)-C(12A)-H(12B)	109.5
H(12A)-C(12A)-H(12B)	109.5
C(8A)-C(12A)-H(12C)	109.5
H(12A)-C(12A)-H(12C)	109.5
H(12B)-C(12A)-H(12C)	109.5
C(9A)-C(13A)-H(13A)	109.5
C(9A)-C(13A)-H(13B)	109.5
H(13A)-C(13A)-H(13B)	109.5
C(9A)-C(13A)-H(13C)	109.5
H(13A)-C(13A)-H(13C)	109.5
H(13B)-C(13A)-H(13C)	109.5
SiA-C(14A)-H(14A)	109.5
SiA-C(14A)-H(14B)	109.5
H(14A)-C(14A)-H(14B)	109.5

SiA-C(14A)-H(14C)	109.5
H(14A)-C(14A)-H(14C)	109.5
H(14B)-C(14A)-H(14C)	109.5
SiA-C(15A)-H(15A)	109.5
SiA-C(15A)-H(15B)	109.5
H(15A)-C(15A)-H(15B)	109.5
SiA-C(15A)-H(15C)	109.5
H(15A)-C(15A)-H(15C)	109.5
H(15B)-C(15A)-H(15C)	109.5
C(5A)-C(1A)-C(2A)	105.8(2)
C(5A)-C(1A)-SiA	125.03(19)
C(2A)-C(1A)-SiA	124.2(2)
C(5A)-C(1A)-CoA	69.44(14)
C(2A)-C(1A)-CoA	70.24(14)
SiA-C(1A)-CoA	105.06(12)
C(3A)-C(2A)-C(1A)	109.3(2)
C(3A)-C(2A)-CoA	71.74(14)
C(1A)-C(2A)-CoA	68.69(14)
C(3A)-C(2A)-H(2AA)	125.4
C(1A)-C(2A)-H(2AA)	125.4
CoA-C(2A)-H(2AA)	125.4
C(4A)-C(3A)-C(2A)	108.0(2)
C(4A)-C(3A)-CoA	69.79(14)
C(2A)-C(3A)-CoA	68.31(14)
C(4A)-C(3A)-H(3AA)	126.0
C(2A)-C(3A)-H(3AA)	126.0
CoA-C(3A)-H(3AA)	126.0

C(3A)-C(4A)-C(5A)	107.9(2)
C(3A)-C(4A)-CoA	70.85(15)
C(5A)-C(4A)-CoA	67.87(14)
C(3A)-C(4A)-H(4AA)	126.0
C(5A)-C(4A)-H(4AA)	126.0
CoA-C(4A)-H(4AA)	126.0
C(4A)-C(5A)-C(1A)	109.1(2)
C(4A)-C(5A)-CoA	71.69(15)
C(1A)-C(5A)-CoA	69.33(14)
C(4A)-C(5A)-H(5AA)	125.5
C(1A)-C(5A)-H(5AA)	125.5
CoA-C(5A)-H(5AA)	125.5
C(6B)-CoB-C(7B)	43.76(10)
C(6B)-CoB-C(9B)	43.55(10)
C(7B)-CoB-C(9B)	62.86(10)
C(6B)-CoB-C(8B)	63.09(10)
C(7B)-CoB-C(8B)	42.88(11)
C(9B)-CoB-C(8B)	43.20(10)
C(6B)-CoB-C(1B)	97.76(10)
C(7B)-CoB-C(1B)	126.66(11)
C(9B)-CoB-C(1B)	119.36(10)
C(8B)-CoB-C(1B)	160.12(10)
C(6B)-CoB-C(2B)	112.30(11)
C(7B)-CoB-C(2B)	110.36(11)
C(9B)-CoB-C(2B)	153.05(11)
C(8B)-CoB-C(2B)	148.37(11)
C(1B)-CoB-C(2B)	41.25(10)

C(6B)-CoB-C(5B)	120.18(10)
C(7B)-CoB-C(5B)	163.16(11)
C(9B)-CoB-C(5B)	110.31(11)
C(8B)-CoB-C(5B)	142.84(11)
C(1B)-CoB-C(5B)	41.03(10)
C(2B)-CoB-C(5B)	68.16(11)
C(6B)-CoB-C(4B)	160.11(11)
C(7B)-CoB-C(4B)	156.12(11)
C(9B)-CoB-C(4B)	129.91(12)
C(8B)-CoB-C(4B)	128.20(11)
C(1B)-CoB-C(4B)	68.54(10)
C(2B)-CoB-C(4B)	67.43(12)
C(5B)-CoB-C(4B)	40.20(11)
C(6B)-CoB-C(3B)	149.95(12)
C(7B)-CoB-C(3B)	123.16(12)
C(9B)-CoB-C(3B)	166.20(12)
C(8B)-CoB-C(3B)	130.76(10)
C(1B)-CoB-C(3B)	68.53(10)
C(2B)-CoB-C(3B)	40.13(12)
C(5B)-CoB-C(3B)	67.33(12)
C(4B)-CoB-C(3B)	39.60(13)
C(14B)-SiB-C(15B)	110.16(16)
C(14B)-SiB-C(1B)	109.59(13)
C(15B)-SiB-C(1B)	110.78(14)
C(14B)-SiB-C(10B)	111.96(15)
C(15B)-SiB-C(10B)	108.95(15)
C(1B)-SiB-C(10B)	105.31(11)

C(9B)-C(6B)-C(7B)	89.5(2)
C(9B)-C(6B)-C(10B)	135.7(2)
C(7B)-C(6B)-C(10B)	134.6(2)
C(9B)-C(6B)-CoB	68.79(13)
C(7B)-C(6B)-CoB	68.64(14)
C(10B)-C(6B)-CoB	117.36(17)
C(6B)-C(9B)-C(8B)	90.2(2)
C(6B)-C(9B)-C(13B)	134.3(2)
C(8B)-C(9B)-C(13B)	134.6(2)
C(6B)-C(9B)-CoB	67.66(13)
C(8B)-C(9B)-CoB	69.23(13)
C(13B)-C(9B)-CoB	128.21(19)
C(7B)-C(8B)-C(9B)	89.9(2)
C(7B)-C(8B)-C(12B)	133.7(2)
C(9B)-C(8B)-C(12B)	134.9(2)
C(7B)-C(8B)-CoB	67.68(14)
C(9B)-C(8B)-CoB	67.57(13)
C(12B)-C(8B)-CoB	131.73(19)
C(8B)-C(7B)-C(6B)	90.4(2)
C(8B)-C(7B)-C(11B)	133.6(3)
C(6B)-C(7B)-C(11B)	135.3(3)
C(8B)-C(7B)-CoB	69.44(14)
C(6B)-C(7B)-CoB	67.60(13)
C(11B)-C(7B)-CoB	127.5(2)
C(6B)-C(10B)-SiB	110.93(18)
C(6B)-C(10B)-H(10C)	109.5
SiB-C(10B)-H(10C)	109.5

C(6B)-C(10B)-H(10D) 109.5

SiB-C(10B)-H(10D) 109.5

H(10C)-C(10B)-H(10D) 108.0

C(9B)-C(13B)-H(13D) 109.5

C(9B)-C(13B)-H(13E) 109.5

H(13D)-C(13B)-H(13E) 109.5

C(9B)-C(13B)-H(13F) 109.5

H(13D)-C(13B)-H(13F) 109.5

H(13E)-C(13B)-H(13F) 109.5

C(8B)-C(12B)-H(12D) 109.5

C(8B)-C(12B)-H(12E) 109.5

H(12D)-C(12B)-H(12E) 109.5

C(8B)-C(12B)-H(12F) 109.5

H(12D)-C(12B)-H(12F) 109.5

H(12E)-C(12B)-H(12F) 109.5

C(7B)-C(11B)-H(11D) 109.5

C(7B)-C(11B)-H(11E) 109.5

H(11D)-C(11B)-H(11E) 109.5

C(7B)-C(11B)-H(11F) 109.5

H(11D)-C(11B)-H(11F) 109.5

H(11E)-C(11B)-H(11F) 109.5

SiB-C(15B)-H(15D) 109.5

SiB-C(15B)-H(15E) 109.5

H(15D)-C(15B)-H(15E) 109.5

SiB-C(15B)-H(15F) 109.5

H(15D)-C(15B)-H(15F) 109.5

H(15E)-C(15B)-H(15F) 109.5

SiB-C(14B)-H(14D)	109.5
SiB-C(14B)-H(14E)	109.5
H(14D)-C(14B)-H(14E)	109.5
SiB-C(14B)-H(14F)	109.5
H(14D)-C(14B)-H(14F)	109.5
H(14E)-C(14B)-H(14F)	109.5
C(5B)-C(1B)-C(2B)	106.4(2)
C(5B)-C(1B)-SiB	125.68(19)
C(2B)-C(1B)-SiB	123.4(2)
C(5B)-C(1B)-CoB	70.15(14)
C(2B)-C(1B)-CoB	69.91(13)
SiB-C(1B)-CoB	105.80(12)
C(4B)-C(5B)-C(1B)	108.9(2)
C(4B)-C(5B)-CoB	71.38(16)
C(1B)-C(5B)-CoB	68.82(14)
C(4B)-C(5B)-H(5BA)	125.6
C(1B)-C(5B)-H(5BA)	125.6
CoB-C(5B)-H(5BA)	125.6
C(3B)-C(4B)-C(5B)	107.9(3)
C(3B)-C(4B)-CoB	70.20(17)
C(5B)-C(4B)-CoB	68.42(15)
C(3B)-C(4B)-H(4BA)	126.0
C(5B)-C(4B)-H(4BA)	126.0
CoB-C(4B)-H(4BA)	126.0
C(4B)-C(3B)-C(2B)	108.2(2)
C(4B)-C(3B)-CoB	70.20(15)
C(2B)-C(3B)-CoB	68.32(15)

C(4B)-C(3B)-H(3BA)	125.9
C(2B)-C(3B)-H(3BA)	125.9
CoB-C(3B)-H(3BA)	125.9
C(3B)-C(2B)-C(1B)	108.7(3)
C(3B)-C(2B)-CoB	71.55(15)
C(1B)-C(2B)-CoB	68.84(13)
C(3B)-C(2B)-H(2BA)	125.7
C(1B)-C(2B)-H(2BA)	125.7
CoB-C(2B)-H(2BA)	125.7

Table S-10. Anisotropic displacement parameters ($Å^2$ x 10^3) for **6b**. 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
CoA	25(1)	24(1)	24(1)	0(1)	-1(1)	-2(1)
SiA	42(1)	33(1)	24(1)	-2(1)	4(1)	-5(1)
C(6A)	33(1)	26(1)	33(1)	-2(1)	-1(1)	5(1)
C(7A)	41(1)	26(1)	34(1)	2(1)	-6(1)	-2(1)
C(8A)	37(1)	28(1)	30(1)	1(1)	-5(1)	5(1)
C(9A)	29(1)	32(1)	38(1)	-2(1)	-7(1)	2(1)
C(10A)	42(2)	45(2)	35(1)	-4(1)	7(1)	8(1)
C(11A)	73(2)	40(2)	56(2)	6(1)	-9(2)	-26(2)
C(12A)	61(2)	46(2)	30(1)	4(1)	-4(1)	14(2)
C(13A)	36(2)	57(2)	73(2)	-6(2)	-17(2)	-8(1)
C(14A)	63(2)	48(2)	37(2)	0(1)	16(1)	-11(2)

C(15A)	71(2)	45(2)	37(2)	-9(1)	-3(1)	-17(2)
C(1A)	32(1)	29(1)	24(1)	2(1)	0(1)	-1(1)
C(2A)	28(1)	36(1)	29(1)	1(1)	-4(1)	-2(1)
C(3A)	29(1)	37(1)	28(1)	2(1)	2(1)	1(1)
C(4A)	38(1)	28(1)	28(1)	-2(1)	-1(1)	2(1)
C(5A)	32(1)	28(1)	32(1)	3(1)	1(1)	-5(1)
CoB	21(1)	29(1)	23(1)	-3(1)	-1(1)	-1(1)
SiB	32(1)	35(1)	24(1)	2(1)	-4(1)	-12(1)
C(6B)	24(1)	26(1)	31(1)	-2(1)	-2(1)	-1(1)
C(9B)	21(1)	29(1)	30(1)	-4(1)	-1(1)	-2(1)
C(8B)	25(1)	32(1)	28(1)	-7(1)	-1(1)	1(1)
C(7B)	27(1)	31(1)	34(1)	-8(1)	-3(1)	-5(1)
C(10B)	42(2)	34(1)	33(1)	4(1)	-2(1)	-4(1)
C(13B)	26(1)	44(2)	48(2)	-8(1)	0(1)	-12(1)
C(12B)	42(2)	48(2)	29(1)	-3(1)	3(1)	4(1)
C(11B)	38(2)	48(2)	59(2)	-13(1)	-8(1)	-16(1)
C(15B)	61(2)	56(2)	35(2)	3(1)	8(1)	-24(2)
C(14B)	53(2)	48(2)	48(2)	5(1)	-24(1)	-16(1)
C(1B)	26(1)	36(1)	23(1)	-5(1)	1(1)	-3(1)
C(5B)	39(1)	29(1)	30(1)	-6(1)	1(1)	-2(1)
C(4B)	51(2)	34(1)	29(1)	1(1)	4(1)	11(1)
C(3B)	32(1)	58(2)	28(1)	-6(1)	-4(1)	16(1)
C(2B)	21(1)	53(2)	30(1)	-7(1)	1(1)	-2(1)

Table S-11. Hydrogen coordinates (x 10^4) and isotropic displacement parameters (Å^2 x 10^3) for **6b**.

	x	y	z	U(eq)
H(10A)	5011	5662	2883	52
H(10B)	5753	7147	2996	52
H(11A)	2537	3881	4138	81
H(11B)	1490	5002	3621	81
H(11C)	874	5103	4364	81
H(12A)	3748	5758	5596	74
H(12B)	1804	6512	5488	74
H(12C)	3099	7575	5618	74
H(13A)	5736	8724	4845	83
H(13B)	6234	8804	4093	83
H(13C)	7077	7348	4518	83
H(14A)	4643	8229	1630	75
H(14B)	4510	9669	2077	75
H(14C)	2964	9552	1652	75
H(15A)	663	7404	2038	75
H(15B)	1110	6197	2619	75
H(15C)	2258	6003	1963	75
H(2AA)	-540	8299	3410	38
H(3AA)	-951	9802	4465	39
H(4AA)	1443	11303	4486	40
H(5AA)	3344	10734	3439	37
H(10C)	9852	495	1970	45
H(10D)	8022	176	1854	45
H(13D)	11458	3215	1324	58

H(13E)	11598	3766	589	58
H(13F)	12493	2064	800	58
H(12D)	10000	1712	-714	63
H(12E)	9791	3488	-570	63
H(12F)	8167	2826	-710	63
H(11D)	5940	1132	59	70
H(11E)	5946	378	765	70
H(11F)	7216	-455	207	70
H(15D)	6634	1128	3161	75
H(15E)	5175	1806	2681	75
H(15F)	5631	2869	3215	75
H(14D)	8718	4303	3003	72
H(14E)	10169	3573	2482	72
H(14F)	9762	2587	3102	72
H(5BA)	8399	5691	1610	40
H(4BA)	6843	6615	569	50
H(3BA)	4431	5144	494	52
H(2BA)	4487	3305	1484	42

Table S-12. Torsion angles [deg] for **6b.**

C(7A)-CoA-C(6A)-C(9A)	-98.1(2)
C(8A)-CoA-C(6A)-C(9A)	-48.90(17)
C(1A)-CoA-C(6A)-C(9A)	137.53(17)
C(5A)-CoA-C(6A)-C(9A)	97.24(17)
C(2A)-CoA-C(6A)-C(9A)	174.08(16)
C(4A)-CoA-C(6A)-C(9A)	76.5(3)

C(3A)-CoA-C(6A)-C(9A)	-178.3(3)
C(9A)-CoA-C(6A)-C(7A)	98.1(2)
C(8A)-CoA-C(6A)-C(7A)	49.15(16)
C(1A)-CoA-C(6A)-C(7A)	-124.41(16)
C(5A)-CoA-C(6A)-C(7A)	-164.71(15)
C(2A)-CoA-C(6A)-C(7A)	-87.87(17)
C(4A)-CoA-C(6A)-C(7A)	174.59(19)
C(3A)-CoA-C(6A)-C(7A)	-80.2(4)
C(7A)-CoA-C(6A)-C(10A)	132.9(3)
C(9A)-CoA-C(6A)-C(10A)	-129.1(3)
C(8A)-CoA-C(6A)-C(10A)	-178.0(3)
C(1A)-CoA-C(6A)-C(10A)	8.5(2)
C(5A)-CoA-C(6A)-C(10A)	-31.8(3)
C(2A)-CoA-C(6A)-C(10A)	45.0(3)
C(4A)-CoA-C(6A)-C(10A)	-52.5(3)
C(3A)-CoA-C(6A)-C(10A)	52.7(4)
C(9A)-C(6A)-C(7A)-C(8A)	.0(2)
C(10A)-C(6A)-C(7A)-C(8A)	-173.9(3)
CoA-C(6A)-C(7A)-C(8A)	-67.54(14)
C(9A)-C(6A)-C(7A)-C(11A)	-168.0(3)
C(10A)-C(6A)-C(7A)-C(11A)	18.0(5)
CoA-C(6A)-C(7A)-C(11A)	124.4(4)
C(9A)-C(6A)-C(7A)-CoA	67.54(14)
C(10A)-C(6A)-C(7A)-CoA	-106.4(3)
C(6A)-CoA-C(7A)-C(8A)	98.8(2)
C(9A)-CoA-C(7A)-C(8A)	48.80(16)
C(1A)-CoA-C(7A)-C(8A)	168.26(15)

C(5A)-CoA-C(7A)-C(8A)	131.4(2)
C(2A)-CoA-C(7A)-C(8A)	-147.27(16)
C(4A)-CoA-C(7A)-C(8A)	-70.1(5)
C(3A)-CoA-C(7A)-C(8A)	-106.29(18)
C(9A)-CoA-C(7A)-C(6A)	-50.01(16)
C(8A)-CoA-C(7A)-C(6A)	-98.8(2)
C(1A)-CoA-C(7A)-C(6A)	69.45(18)
C(5A)-CoA-C(7A)-C(6A)	32.6(3)
C(2A)-CoA-C(7A)-C(6A)	113.92(16)
C(4A)-CoA-C(7A)-C(6A)	-168.9(4)
C(3A)-CoA-C(7A)-C(6A)	154.90(15)
C(6A)-CoA-C(7A)-C(11A)	-130.6(3)
C(9A)-CoA-C(7A)-C(11A)	179.4(3)
C(8A)-CoA-C(7A)-C(11A)	130.6(4)
C(1A)-CoA-C(7A)-C(11A)	-61.1(3)
C(5A)-CoA-C(7A)-C(11A)	-97.9(4)
C(2A)-CoA-C(7A)-C(11A)	-16.7(3)
C(4A)-CoA-C(7A)-C(11A)	60.5(6)
C(3A)-CoA-C(7A)-C(11A)	24.3(3)
C(6A)-C(7A)-C(8A)-C(9A)	.0(2)
C(11A)-C(7A)-C(8A)-C(9A)	168.2(3)
CoA-C(7A)-C(8A)-C(9A)	-65.80(14)
C(6A)-C(7A)-C(8A)-C(12A)	-168.8(3)
C(11A)-C(7A)-C(8A)-C(12A)	-.6(5)
CoA-C(7A)-C(8A)-C(12A)	125.4(3)
C(6A)-C(7A)-C(8A)-CoA	65.79(14)
C(11A)-C(7A)-C(8A)-CoA	-126.0(4)

C(6A)-CoA-C(8A)-C(9A)	49.74(16)
C(7A)-CoA-C(8A)-C(9A)	100.0(2)
C(1A)-CoA-C(8A)-C(9A)	68.7(4)
C(5A)-CoA-C(8A)-C(9A)	-38.8(3)
C(2A)-CoA-C(8A)-C(9A)	156.26(17)
C(4A)-CoA-C(8A)-C(9A)	-97.66(18)
C(3A)-CoA-C(8A)-C(9A)	-149.18(16)
C(6A)-CoA-C(8A)-C(7A)	-50.30(17)
C(9A)-CoA-C(8A)-C(7A)	-100.0(2)
C(1A)-CoA-C(8A)-C(7A)	-31.3(4)
C(5A)-CoA-C(8A)-C(7A)	-138.9(2)
C(2A)-CoA-C(8A)-C(7A)	56.2(2)
C(4A)-CoA-C(8A)-C(7A)	162.30(16)
C(3A)-CoA-C(8A)-C(7A)	110.78(18)
C(6A)-CoA-C(8A)-C(12A)	180.0(3)
C(7A)-CoA-C(8A)-C(12A)	-129.7(4)
C(9A)-CoA-C(8A)-C(12A)	130.2(4)
C(1A)-CoA-C(8A)-C(12A)	-161.1(3)
C(5A)-CoA-C(8A)-C(12A)	91.4(4)
C(2A)-CoA-C(8A)-C(12A)	-73.5(4)
C(4A)-CoA-C(8A)-C(12A)	32.6(4)
C(3A)-CoA-C(8A)-C(12A)	-18.9(4)
C(7A)-C(8A)-C(9A)-C(6A)	.0(2)
C(12A)-C(8A)-C(9A)-C(6A)	168.8(3)
CoA-C(8A)-C(9A)-C(6A)	-65.70(14)
C(7A)-C(8A)-C(9A)-C(13A)	-169.8(3)
C(12A)-C(8A)-C(9A)-C(13A)	-1.0(5)

CoA-C(8A)-C(9A)-C(13A)	124.5(3)
C(7A)-C(8A)-C(9A)-CoA	65.70(14)
C(12A)-C(8A)-C(9A)-CoA	-125.5(3)
C(7A)-C(6A)-C(9A)-C(8A)	.0(2)
C(10A)-C(6A)-C(9A)-C(8A)	174.3(3)
CoA-C(6A)-C(9A)-C(8A)	67.32(14)
C(7A)-C(6A)-C(9A)-C(13A)	169.9(3)
C(10A)-C(6A)-C(9A)-C(13A)	-15.7(5)
CoA-C(6A)-C(9A)-C(13A)	-122.7(3)
C(7A)-C(6A)-C(9A)-CoA	-67.32(14)
C(10A)-C(6A)-C(9A)-CoA	107.0(3)
C(6A)-CoA-C(9A)-C(8A)	-99.4(2)
C(7A)-CoA-C(9A)-C(8A)	-48.94(16)
C(1A)-CoA-C(9A)-C(8A)	-156.47(15)
C(5A)-CoA-C(9A)-C(8A)	159.76(15)
C(2A)-CoA-C(9A)-C(8A)	-118.0(4)
C(4A)-CoA-C(9A)-C(8A)	116.20(16)
C(3A)-CoA-C(9A)-C(8A)	79.2(3)
C(7A)-CoA-C(9A)-C(6A)	50.47(16)
C(8A)-CoA-C(9A)-C(6A)	99.4(2)
C(1A)-CoA-C(9A)-C(6A)	-57.1(2)
C(5A)-CoA-C(9A)-C(6A)	-100.83(17)
C(2A)-CoA-C(9A)-C(6A)	-18.6(5)
C(4A)-CoA-C(9A)-C(6A)	-144.39(16)
C(3A)-CoA-C(9A)-C(6A)	178.6(2)
C(6A)-CoA-C(9A)-C(13A)	129.1(4)
C(7A)-CoA-C(9A)-C(13A)	179.6(3)

C(8A)-CoA-C(9A)-C(13A)	-131.5(4)
C(1A)-CoA-C(9A)-C(13A)	72.0(3)
C(5A)-CoA-C(9A)-C(13A)	28.3(3)
C(2A)-CoA-C(9A)-C(13A)	110.5(4)
C(4A)-CoA-C(9A)-C(13A)	-15.3(3)
C(3A)-CoA-C(9A)-C(13A)	-52.3(4)
C(9A)-C(6A)-C(10A)-SiA	-106.4(3)
C(7A)-C(6A)-C(10A)-SiA	65.3(4)
CoA-C(6A)-C(10A)-SiA	-21.1(3)
C(15A)-SiA-C(10A)-C(6A)	-92.5(2)
C(14A)-SiA-C(10A)-C(6A)	145.7(2)
C(1A)-SiA-C(10A)-C(6A)	24.8(3)
C(15A)-SiA-C(1A)-C(5A)	176.3(2)
C(14A)-SiA-C(1A)-C(5A)	-62.0(3)
C(10A)-SiA-C(1A)-C(5A)	57.3(2)
C(15A)-SiA-C(1A)-C(2A)	25.1(3)
C(14A)-SiA-C(1A)-C(2A)	146.7(2)
C(10A)-SiA-C(1A)-C(2A)	-93.9(2)
C(15A)-SiA-C(1A)-CoA	101.16(15)
C(14A)-SiA-C(1A)-CoA	-137.21(15)
C(10A)-SiA-C(1A)-CoA	-17.86(17)
C(6A)-CoA-C(1A)-C(5A)	-114.70(16)
C(7A)-CoA-C(1A)-C(5A)	-155.68(15)
C(9A)-CoA-C(1A)-C(5A)	-78.97(18)
C(8A)-CoA-C(1A)-C(5A)	-131.7(3)
C(2A)-CoA-C(1A)-C(5A)	116.3(2)
C(4A)-CoA-C(1A)-C(5A)	37.25(15)

C(3A)-CoA-C(1A)-C(5A)	79.64(16)
C(6A)-CoA-C(1A)-C(2A)	129.00(16)
C(7A)-CoA-C(1A)-C(2A)	88.02(18)
C(9A)-CoA-C(1A)-C(2A)	164.73(16)
C(8A)-CoA-C(1A)-C(2A)	112.0(3)
C(5A)-CoA-C(1A)-C(2A)	-116.3(2)
C(4A)-CoA-C(1A)-C(2A)	-79.05(16)
C(3A)-CoA-C(1A)-C(2A)	-36.66(16)
C(6A)-CoA-C(1A)-SiA	7.58(15)
C(7A)-CoA-C(1A)-SiA	-33.41(17)
C(9A)-CoA-C(1A)-SiA	43.31(18)
C(8A)-CoA-C(1A)-SiA	-9.4(4)
C(5A)-CoA-C(1A)-SiA	122.3(2)
C(2A)-CoA-C(1A)-SiA	-121.4(2)
C(4A)-CoA-C(1A)-SiA	159.53(16)
C(3A)-CoA-C(1A)-SiA	-158.09(16)
C(5A)-C(1A)-C(2A)-C(3A)	-.2(3)
SiA-C(1A)-C(2A)-C(3A)	155.64(19)
CoA-C(1A)-C(2A)-C(3A)	60.49(18)
C(5A)-C(1A)-C(2A)-CoA	-60.71(17)
SiA-C(1A)-C(2A)-CoA	95.15(18)
C(6A)-CoA-C(2A)-C(3A)	176.07(16)
C(7A)-CoA-C(2A)-C(3A)	128.38(17)
C(9A)-CoA-C(2A)-C(3A)	-169.1(4)
C(8A)-CoA-C(2A)-C(3A)	91.2(2)
C(1A)-CoA-C(2A)-C(3A)	-120.1(2)
C(5A)-CoA-C(2A)-C(3A)	-80.50(17)

C(4A)-CoA-C(2A)-C(3A)	-36.58(16)
C(6A)-CoA-C(2A)-C(1A)	-63.83(19)
C(7A)-CoA-C(2A)-C(1A)	-111.52(16)
C(9A)-CoA-C(2A)-C(1A)	-49.0(5)
C(8A)-CoA-C(2A)-C(1A)	-148.73(17)
C(5A)-CoA-C(2A)-C(1A)	39.60(15)
C(4A)-CoA-C(2A)-C(1A)	83.52(16)
C(3A)-CoA-C(2A)-C(1A)	120.1(2)
C(1A)-C(2A)-C(3A)-C(4A)	.0(3)
CoA-C(2A)-C(3A)-C(4A)	58.67(18)
C(1A)-C(2A)-C(3A)-CoA	-58.63(17)
C(6A)-CoA-C(3A)-C(4A)	-130.3(3)
C(7A)-CoA-C(3A)-C(4A)	166.80(15)
C(9A)-CoA-C(3A)-C(4A)	52.6(3)
C(8A)-CoA-C(3A)-C(4A)	110.64(17)
C(1A)-CoA-C(3A)-C(4A)	-82.38(16)
C(5A)-CoA-C(3A)-C(4A)	-37.73(15)
C(2A)-CoA-C(3A)-C(4A)	-120.0(2)
C(6A)-CoA-C(3A)-C(2A)	-10.3(4)
C(7A)-CoA-C(3A)-C(2A)	-73.2(2)
C(9A)-CoA-C(3A)-C(2A)	172.7(2)
C(8A)-CoA-C(3A)-C(2A)	-129.33(17)
C(1A)-CoA-C(3A)-C(2A)	37.65(16)
C(5A)-CoA-C(3A)-C(2A)	82.30(17)
C(4A)-CoA-C(3A)-C(2A)	120.0(2)
C(2A)-C(3A)-C(4A)-C(5A)	.2(3)
CoA-C(3A)-C(4A)-C(5A)	57.91(17)

C(2A)-C(3A)-C(4A)-CoA	-57.76(18)
C(6A)-CoA-C(4A)-C(3A)	149.8(2)
C(7A)-CoA-C(4A)-C(3A)	-45.7(5)
C(9A)-CoA-C(4A)-C(3A)	-157.03(16)
C(8A)-CoA-C(4A)-C(3A)	-103.40(18)
C(1A)-CoA-C(4A)-C(3A)	81.56(16)
C(5A)-CoA-C(4A)-C(3A)	119.5(2)
C(2A)-CoA-C(4A)-C(3A)	37.12(15)
C(6A)-CoA-C(4A)-C(5A)	30.3(3)
C(7A)-CoA-C(4A)-C(5A)	-165.2(4)
C(9A)-CoA-C(4A)-C(5A)	83.46(19)
C(8A)-CoA-C(4A)-C(5A)	137.10(17)
C(1A)-CoA-C(4A)-C(5A)	-37.95(16)
C(2A)-CoA-C(4A)-C(5A)	-82.39(17)
C(3A)-CoA-C(4A)-C(5A)	-119.5(2)
C(3A)-C(4A)-C(5A)-C(1A)	-.3(3)
CoA-C(4A)-C(5A)-C(1A)	59.47(17)
C(3A)-C(4A)-C(5A)-CoA	-59.77(18)
C(2A)-C(1A)-C(5A)-C(4A)	.3(3)
SiA-C(1A)-C(5A)-C(4A)	-155.28(19)
CoA-C(1A)-C(5A)-C(4A)	-60.93(18)
C(2A)-C(1A)-C(5A)-CoA	61.24(17)
SiA-C(1A)-C(5A)-CoA	-94.35(18)
C(6A)-CoA-C(5A)-C(4A)	-164.14(16)
C(7A)-CoA-C(5A)-C(4A)	172.0(2)
C(9A)-CoA-C(5A)-C(4A)	-117.18(17)
C(8A)-CoA-C(5A)-C(4A)	-90.0(2)

C(1A)-CoA-C(5A)-C(4A)	119.5(2)
C(2A)-CoA-C(5A)-C(4A)	80.10(17)
C(3A)-CoA-C(5A)-C(4A)	36.74(16)
C(6A)-CoA-C(5A)-C(1A)	76.31(17)
C(7A)-CoA-C(5A)-C(1A)	52.5(3)
C(9A)-CoA-C(5A)-C(1A)	123.27(15)
C(8A)-CoA-C(5A)-C(1A)	150.41(19)
C(2A)-CoA-C(5A)-C(1A)	-39.45(14)
C(4A)-CoA-C(5A)-C(1A)	-119.5(2)
C(3A)-CoA-C(5A)-C(1A)	-82.80(16)
C(7B)-CoB-C(6B)-C(9B)	98.12(19)
C(8B)-CoB-C(6B)-C(9B)	49.27(14)
C(1B)-CoB-C(6B)-C(9B)	-125.08(14)
C(2B)-CoB-C(6B)-C(9B)	-165.25(14)
C(5B)-CoB-C(6B)-C(9B)	-88.35(16)
C(4B)-CoB-C(6B)-C(9B)	-80.2(3)
C(3B)-CoB-C(6B)-C(9B)	175.1(2)
C(9B)-CoB-C(6B)-C(7B)	-98.12(19)
C(8B)-CoB-C(6B)-C(7B)	-48.85(15)
C(1B)-CoB-C(6B)-C(7B)	136.80(15)
C(2B)-CoB-C(6B)-C(7B)	96.63(16)
C(5B)-CoB-C(6B)-C(7B)	173.53(14)
C(4B)-CoB-C(6B)-C(7B)	-178.3(3)
C(3B)-CoB-C(6B)-C(7B)	76.9(3)
C(7B)-CoB-C(6B)-C(10B)	-130.3(3)
C(9B)-CoB-C(6B)-C(10B)	131.6(3)
C(8B)-CoB-C(6B)-C(10B)	-179.1(2)

C(1B)-CoB-C(6B)-C(10B)	6.5(2)
C(2B)-CoB-C(6B)-C(10B)	-33.6(2)
C(5B)-CoB-C(6B)-C(10B)	43.3(2)
C(4B)-CoB-C(6B)-C(10B)	51.4(4)
C(3B)-CoB-C(6B)-C(10B)	-53.3(3)
C(7B)-C(6B)-C(9B)-C(8B)	-.13(19)
C(10B)-C(6B)-C(9B)-C(8B)	-175.3(3)
CoB-C(6B)-C(9B)-C(8B)	-67.35(13)
C(7B)-C(6B)-C(9B)-C(13B)	-170.5(3)
C(10B)-C(6B)-C(9B)-C(13B)	14.3(5)
CoB-C(6B)-C(9B)-C(13B)	122.2(3)
C(7B)-C(6B)-C(9B)-CoB	67.22(13)
C(10B)-C(6B)-C(9B)-CoB	-107.9(3)
C(7B)-CoB-C(9B)-C(6B)	-50.30(14)
C(8B)-CoB-C(9B)-C(6B)	-99.23(19)
C(1B)-CoB-C(9B)-C(6B)	68.48(16)
C(2B)-CoB-C(9B)-C(6B)	31.3(3)
C(5B)-CoB-C(9B)-C(6B)	112.86(15)
C(4B)-CoB-C(9B)-C(6B)	154.08(15)
C(3B)-CoB-C(9B)-C(6B)	-169.6(4)
C(6B)-CoB-C(9B)-C(8B)	99.23(19)
C(7B)-CoB-C(9B)-C(8B)	48.93(15)
C(1B)-CoB-C(9B)-C(8B)	167.72(15)
C(2B)-CoB-C(9B)-C(8B)	130.6(2)
C(5B)-CoB-C(9B)-C(8B)	-147.90(15)
C(4B)-CoB-C(9B)-C(8B)	-106.68(17)
C(3B)-CoB-C(9B)-C(8B)	-70.4(5)

C(6B)-CoB-C(9B)-C(13B)	-129.6(3)
C(7B)-CoB-C(9B)-C(13B)	-179.9(3)
C(8B)-CoB-C(9B)-C(13B)	131.1(3)
C(1B)-CoB-C(9B)-C(13B)	-61.2(3)
C(2B)-CoB-C(9B)-C(13B)	-98.3(3)
C(5B)-CoB-C(9B)-C(13B)	-16.8(3)
C(4B)-CoB-C(9B)-C(13B)	24.4(3)
C(3B)-CoB-C(9B)-C(13B)	60.8(6)
C(6B)-C(9B)-C(8B)-C(7B)	.13(19)
C(13B)-C(9B)-C(8B)-C(7B)	170.5(3)
CoB-C(9B)-C(8B)-C(7B)	-65.79(14)
C(6B)-C(9B)-C(8B)-C(12B)	-166.8(3)
C(13B)-C(9B)-C(8B)-C(12B)	3.5(5)
CoB-C(9B)-C(8B)-C(12B)	127.3(3)
C(6B)-C(9B)-C(8B)-CoB	65.92(13)
C(13B)-C(9B)-C(8B)-CoB	-123.7(3)
C(6B)-CoB-C(8B)-C(7B)	49.93(15)
C(9B)-CoB-C(8B)-C(7B)	99.6(2)
C(1B)-CoB-C(8B)-C(7B)	66.6(3)
C(2B)-CoB-C(8B)-C(7B)	-39.3(3)
C(5B)-CoB-C(8B)-C(7B)	155.21(17)
C(4B)-CoB-C(8B)-C(7B)	-149.60(17)
C(3B)-CoB-C(8B)-C(7B)	-97.6(2)
C(6B)-CoB-C(8B)-C(9B)	-49.69(15)
C(7B)-CoB-C(8B)-C(9B)	-99.6(2)
C(1B)-CoB-C(8B)-C(9B)	-33.0(4)
C(2B)-CoB-C(8B)-C(9B)	-139.0(2)

C(5B)-CoB-C(8B)-C(9B)	55.6(2)
C(4B)-CoB-C(8B)-C(9B)	110.77(18)
C(3B)-CoB-C(8B)-C(9B)	162.74(17)
C(6B)-CoB-C(8B)-C(12B)	179.3(3)
C(7B)-CoB-C(8B)-C(12B)	129.4(3)
C(9B)-CoB-C(8B)-C(12B)	-131.0(3)
C(1B)-CoB-C(8B)-C(12B)	-164.0(3)
C(2B)-CoB-C(8B)-C(12B)	90.1(3)
C(5B)-CoB-C(8B)-C(12B)	-75.4(3)
C(4B)-CoB-C(8B)-C(12B)	-20.2(3)
C(3B)-CoB-C(8B)-C(12B)	31.8(3)
C(9B)-C(8B)-C(7B)-C(6B)	-.13(19)
C(12B)-C(8B)-C(7B)-C(6B)	167.1(3)
CoB-C(8B)-C(7B)-C(6B)	-65.82(13)
C(9B)-C(8B)-C(7B)-C(11B)	-171.6(3)
C(12B)-C(8B)-C(7B)-C(11B)	-4.4(5)
CoB-C(8B)-C(7B)-C(11B)	122.7(3)
C(9B)-C(8B)-C(7B)-CoB	65.69(13)
C(12B)-C(8B)-C(7B)-CoB	-127.1(3)
C(9B)-C(6B)-C(7B)-C(8B)	.13(19)
C(10B)-C(6B)-C(7B)-C(8B)	175.4(3)
CoB-C(6B)-C(7B)-C(8B)	67.49(14)
C(9B)-C(6B)-C(7B)-C(11B)	171.3(3)
C(10B)-C(6B)-C(7B)-C(11B)	-13.4(5)
CoB-C(6B)-C(7B)-C(11B)	-121.3(3)
C(9B)-C(6B)-C(7B)-CoB	-67.36(13)
C(10B)-C(6B)-C(7B)-CoB	107.9(3)

C(6B)-CoB-C(7B)-C(8B)	-99.37(19)
C(9B)-CoB-C(7B)-C(8B)	-49.33(14)
C(1B)-CoB-C(7B)-C(8B)	-157.10(14)
C(2B)-CoB-C(7B)-C(8B)	159.24(14)
C(5B)-CoB-C(7B)-C(8B)	-119.0(4)
C(4B)-CoB-C(7B)-C(8B)	79.2(3)
C(3B)-CoB-C(7B)-C(8B)	116.27(16)
C(9B)-CoB-C(7B)-C(6B)	50.04(14)
C(8B)-CoB-C(7B)-C(6B)	99.37(19)
C(1B)-CoB-C(7B)-C(6B)	-57.73(18)
C(2B)-CoB-C(7B)-C(6B)	-101.39(15)
C(5B)-CoB-C(7B)-C(6B)	-19.6(4)
C(4B)-CoB-C(7B)-C(6B)	178.6(3)
C(3B)-CoB-C(7B)-C(6B)	-144.36(15)
C(6B)-CoB-C(7B)-C(11B)	130.8(3)
C(9B)-CoB-C(7B)-C(11B)	-179.2(3)
C(8B)-CoB-C(7B)-C(11B)	-129.8(3)
C(1B)-CoB-C(7B)-C(11B)	73.1(3)
C(2B)-CoB-C(7B)-C(11B)	29.4(3)
C(5B)-CoB-C(7B)-C(11B)	111.2(4)
C(4B)-CoB-C(7B)-C(11B)	-50.6(4)
C(3B)-CoB-C(7B)-C(11B)	-13.6(3)
C(9B)-C(6B)-C(10B)-SiB	71.5(3)
C(7B)-C(6B)-C(10B)-SiB	-101.8(3)
CoB-C(6B)-C(10B)-SiB	-15.5(3)
C(14B)-SiB-C(10B)-C(6B)	-101.1(2)
C(15B)-SiB-C(10B)-C(6B)	136.8(2)

C(1B)-SiB-C(10B)-C(6B)	17.9(2)
C(14B)-SiB-C(1B)-C(5B)	31.2(3)
C(15B)-SiB-C(1B)-C(5B)	153.0(2)
C(10B)-SiB-C(1B)-C(5B)	-89.4(2)
C(14B)-SiB-C(1B)-C(2B)	-176.1(2)
C(15B)-SiB-C(1B)-C(2B)	-54.3(2)
C(10B)-SiB-C(1B)-C(2B)	63.3(2)
C(14B)-SiB-C(1B)-CoB	107.87(16)
C(15B)-SiB-C(1B)-CoB	-130.37(14)
C(10B)-SiB-C(1B)-CoB	-12.72(15)
C(6B)-CoB-C(1B)-C(5B)	128.03(16)
C(7B)-CoB-C(1B)-C(5B)	164.21(15)
C(9B)-CoB-C(1B)-C(5B)	87.73(17)
C(8B)-CoB-C(1B)-C(5B)	113.1(3)
C(2B)-CoB-C(1B)-C(5B)	-116.8(2)
C(4B)-CoB-C(1B)-C(5B)	-37.01(16)
C(3B)-CoB-C(1B)-C(5B)	-79.70(18)
C(6B)-CoB-C(1B)-C(2B)	-115.16(17)
C(7B)-CoB-C(1B)-C(2B)	-78.99(19)
C(9B)-CoB-C(1B)-C(2B)	-155.47(16)
C(8B)-CoB-C(1B)-C(2B)	-130.1(3)
C(5B)-CoB-C(1B)-C(2B)	116.8(2)
C(4B)-CoB-C(1B)-C(2B)	79.79(19)
C(3B)-CoB-C(1B)-C(2B)	37.10(18)
C(6B)-CoB-C(1B)-SiB	5.20(13)
C(7B)-CoB-C(1B)-SiB	41.37(17)
C(9B)-CoB-C(1B)-SiB	-35.11(16)

C(8B)-CoB-C(1B)-SiB	-9.8(4)
C(2B)-CoB-C(1B)-SiB	120.4(2)
C(5B)-CoB-C(1B)-SiB	-122.84(19)
C(4B)-CoB-C(1B)-SiB	-159.84(16)
C(3B)-CoB-C(1B)-SiB	157.46(17)
C(2B)-C(1B)-C(5B)-C(4B)	-.5(3)
SiB-C(1B)-C(5B)-C(4B)	155.95(19)
CoB-C(1B)-C(5B)-C(4B)	60.38(18)
C(2B)-C(1B)-C(5B)-CoB	-60.88(17)
SiB-C(1B)-C(5B)-CoB	95.58(18)
C(6B)-CoB-C(5B)-C(4B)	175.70(17)
C(7B)-CoB-C(5B)-C(4B)	-168.7(3)
C(9B)-CoB-C(5B)-C(4B)	128.45(18)
C(8B)-CoB-C(5B)-C(4B)	91.4(2)
C(1B)-CoB-C(5B)-C(4B)	-119.8(2)
C(2B)-CoB-C(5B)-C(4B)	-80.43(19)
C(3B)-CoB-C(5B)-C(4B)	-36.93(18)
C(6B)-CoB-C(5B)-C(1B)	-64.52(18)
C(7B)-CoB-C(5B)-C(1B)	-48.9(4)
C(9B)-CoB-C(5B)-C(1B)	-111.77(16)
C(8B)-CoB-C(5B)-C(1B)	-148.80(17)
C(2B)-CoB-C(5B)-C(1B)	39.35(15)
C(4B)-CoB-C(5B)-C(1B)	119.8(2)
C(3B)-CoB-C(5B)-C(1B)	82.85(17)
C(1B)-C(5B)-C(4B)-C(3B)	.5(3)
CoB-C(5B)-C(4B)-C(3B)	59.30(19)
C(1B)-C(5B)-C(4B)-CoB	-58.80(17)

C(6B)-CoB-C(4B)-C(3B)	-130.6(3)
C(7B)-CoB-C(4B)-C(3B)	52.4(3)
C(9B)-CoB-C(4B)-C(3B)	167.19(15)
C(8B)-CoB-C(4B)-C(3B)	110.63(18)
C(1B)-CoB-C(4B)-C(3B)	-81.84(17)
C(2B)-CoB-C(4B)-C(3B)	-37.19(16)
C(5B)-CoB-C(4B)-C(3B)	-119.6(2)
C(6B)-CoB-C(4B)-C(5B)	-11.0(4)
C(7B)-CoB-C(4B)-C(5B)	171.9(2)
C(9B)-CoB-C(4B)-C(5B)	-73.2(2)
C(8B)-CoB-C(4B)-C(5B)	-129.79(17)
C(1B)-CoB-C(4B)-C(5B)	37.75(16)
C(2B)-CoB-C(4B)-C(5B)	82.39(17)
C(3B)-CoB-C(4B)-C(5B)	119.6(2)
C(5B)-C(4B)-C(3B)-C(2B)	-.3(3)
CoB-C(4B)-C(3B)-C(2B)	57.89(19)
C(5B)-C(4B)-C(3B)-CoB	-58.19(18)
C(6B)-CoB-C(3B)-C(4B)	148.9(2)
C(7B)-CoB-C(3B)-C(4B)	-157.49(16)
C(9B)-CoB-C(3B)-C(4B)	-45.5(5)
C(8B)-CoB-C(3B)-C(4B)	-103.82(19)
C(1B)-CoB-C(3B)-C(4B)	81.89(17)
C(2B)-CoB-C(3B)-C(4B)	120.0(2)
C(5B)-CoB-C(3B)-C(4B)	37.47(16)
C(6B)-CoB-C(3B)-C(2B)	28.9(3)
C(7B)-CoB-C(3B)-C(2B)	82.52(19)
C(9B)-CoB-C(3B)-C(2B)	-165.5(4)

C(8B)-CoB-C(3B)-C(2B)	136.19(17)
C(1B)-CoB-C(3B)-C(2B)	-38.11(17)
C(5B)-CoB-C(3B)-C(2B)	-82.53(18)
C(4B)-CoB-C(3B)-C(2B)	-120.0(2)
C(4B)-C(3B)-C(2B)-C(1B)	.0(3)
CoB-C(3B)-C(2B)-C(1B)	59.04(18)
C(4B)-C(3B)-C(2B)-CoB	-59.05(19)
C(5B)-C(1B)-C(2B)-C(3B)	.3(3)
SiB-C(1B)-C(2B)-C(3B)	-156.81(19)
CoB-C(1B)-C(2B)-C(3B)	-60.72(18)
C(5B)-C(1B)-C(2B)-CoB	61.04(17)
SiB-C(1B)-C(2B)-CoB	-96.09(17)
C(6B)-CoB-C(2B)-C(3B)	-164.82(18)
C(7B)-CoB-C(2B)-C(3B)	-117.70(19)
C(9B)-CoB-C(2B)-C(3B)	172.4(2)
C(8B)-CoB-C(2B)-C(3B)	-90.3(3)
C(1B)-CoB-C(2B)-C(3B)	119.4(3)
C(5B)-CoB-C(2B)-C(3B)	80.29(19)
C(4B)-CoB-C(2B)-C(3B)	36.72(18)
C(6B)-CoB-C(2B)-C(1B)	75.76(18)
C(7B)-CoB-C(2B)-C(1B)	122.87(16)
C(9B)-CoB-C(2B)-C(1B)	53.0(3)
C(8B)-CoB-C(2B)-C(1B)	150.26(19)
C(5B)-CoB-C(2B)-C(1B)	-39.14(16)
C(4B)-CoB-C(2B)-C(1B)	-82.71(18)
C(3B)-CoB-C(2B)-C(1B)	-119.4(3)

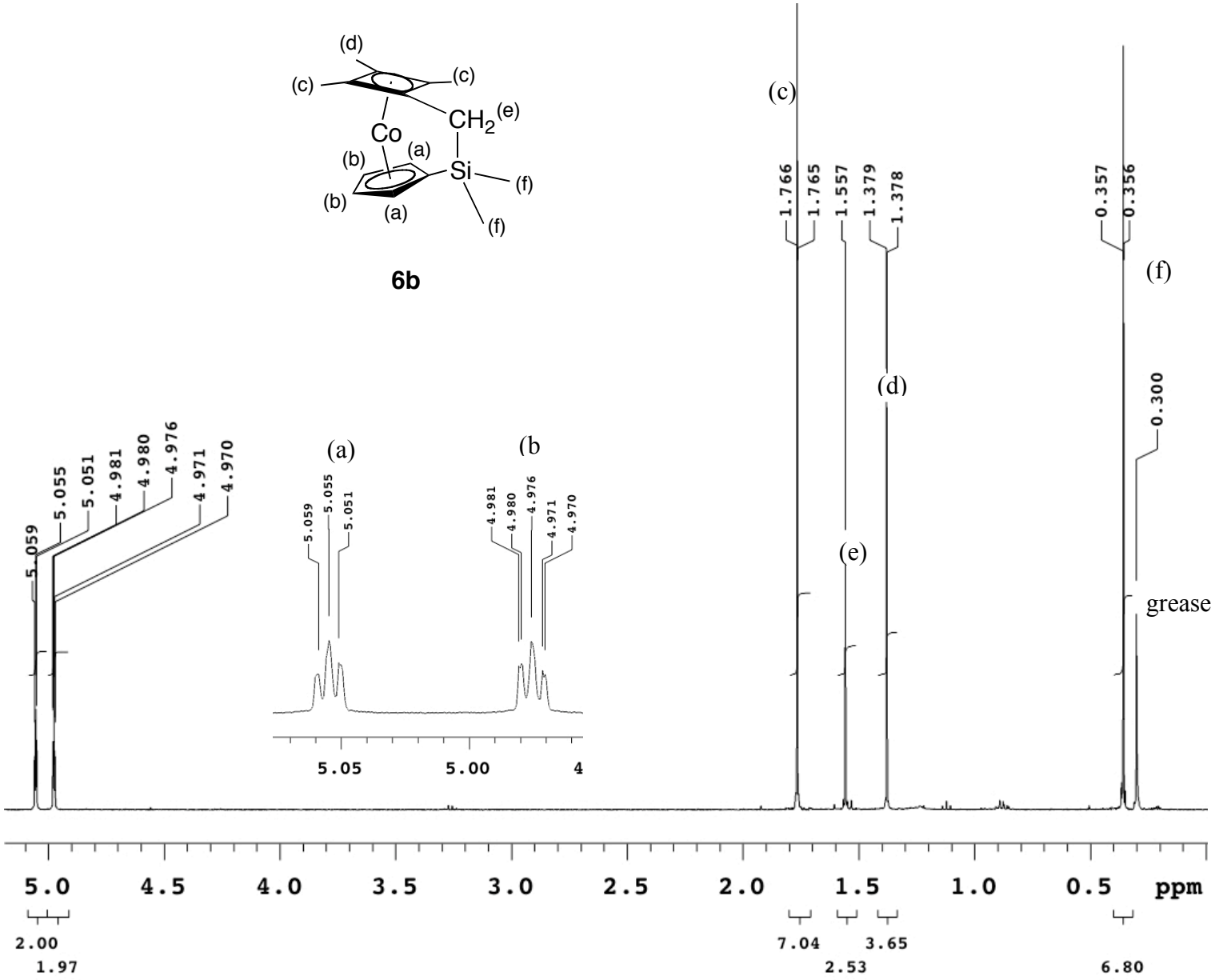

Figure S-5: ^{1}H NMR spectra of **6b**.

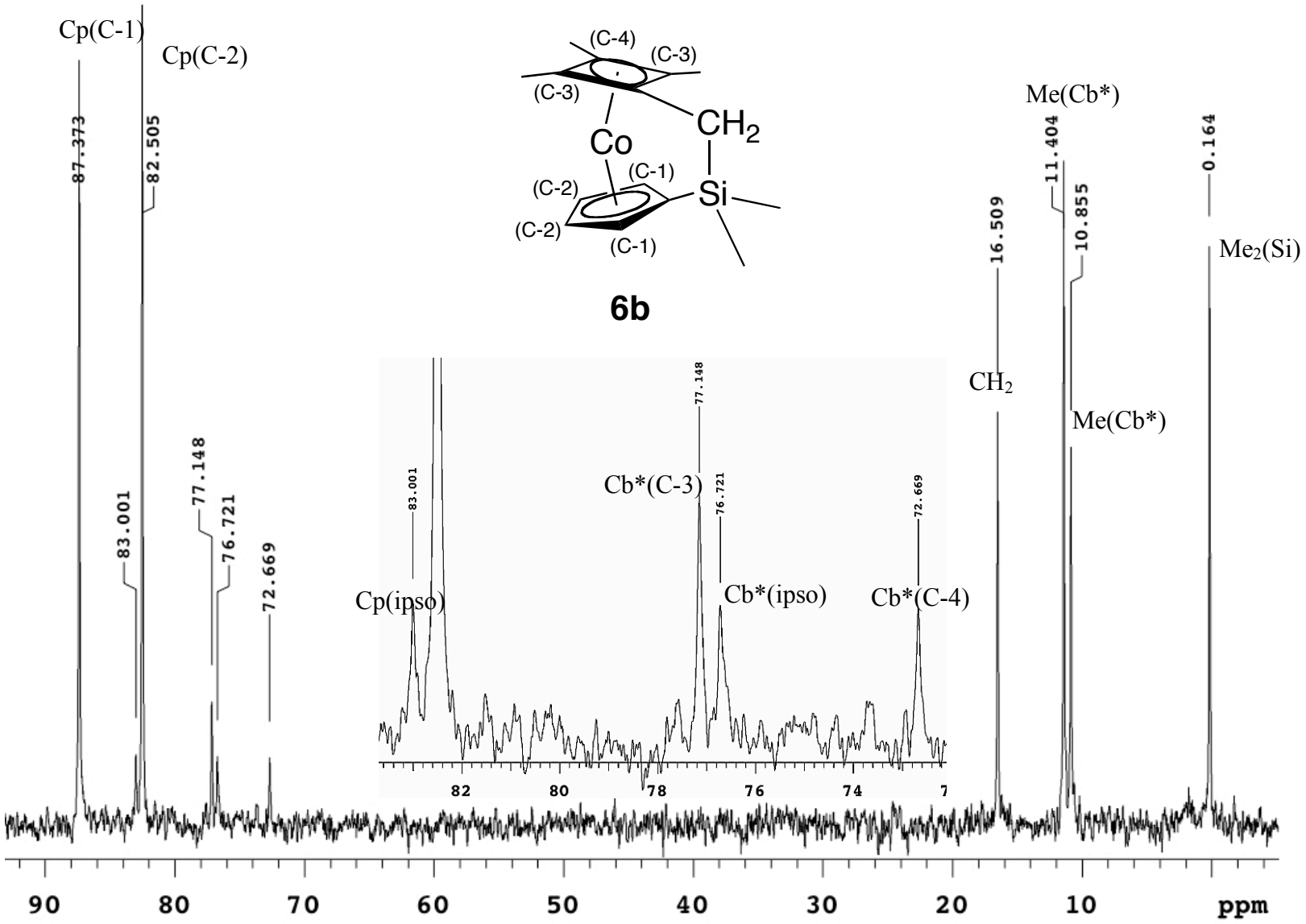

Figure S-5: $^{13}C\{^{1}H\}$ NMR spectrum of **6b**.