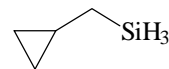


1827 **C₄H₁₀Si**
ED, *ab initio* calculations
(HF/6-31G*)

(Cyclopropylmethyl)silane
(Silylmethyl)cyclopropane

C₁

r_a	Å ^{a)}	θ ^{c)}	deg ^{a)}
C(1)–C(2)	1.510(10)	H–Si–C	111.0(20)
C(2)–C(3)	1.490(12)	Si–C–C	112.1(10)
C(1)–C(4)	1.540(10)	C(4)–C(1)–(ring plane)	122.7(5)
Si–C	1.876(2)	H–C(1)–C(4)	115.7 ^{b)}
C–H	1.120(4)	(H–C–H) methyl	106.7 ^{b)}
Si–H	1.470 ^{b)}	(H–C–H) ring	117.0 ^{b)}
		H(1)–Si–C–C	172.0(20)
		Si–C–C–X ^{d)}	119.0(20)



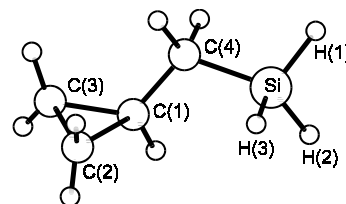
The predominant conformer (>98%) has the *gauche* (*skew*) form.
Local C_{3v} symmetry of the silyl group was assumed.
The nozzle was at 40 °C.

^{a)} Three times the estimated standard errors.

^{b)} Not refined.

^{c)} Undefined, possibly θ_a .

^{d)} X is the center of the ring.



Dakkouri, M., Hermann, T.: J. Mol. Struct. **346** (1995) 239.