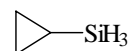


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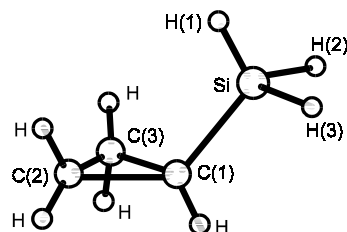
C_3H_8Si

Cyclopropylsilane
Silylcyclopropane

C_s



r_a	\AA^a	θ_a	deg a
C(1)–C(2)	1.528(2)	C–Si–H(1)	108.0(17)
C(2)–C(3)	1.490(4)	C–Si–H(2,3)	112.5 c
C–Si	1.840(2)	H–Si–H	107.9 c
Si–H	1.481 b	H–C–H	116.6(27)
C–H	1.095(3)	α d	55.9(3)
		η e	57.8(21)
		β f	30.0 b
		tilt (SiH ₃) g	3.0 b



The nozzle temperature was 10 °C.

a) Three times the estimated standard errors.

b) Assumed.

c) Derived parameter.

d) Angle between the Si–C bond and the ring plane.

e) Angle between the C(1)–H bond and the ring plane.

f) Angle between the C(2)–C(3) bond and the H–C(2)–H plane.

g) Tilt angle of the silyl group toward the ring.

Dakkouri, M., Typke, V.: J. Mol. Struct. **158** (1987) 323.

MW

r_0	\AA^a	θ_0	deg a
C(1)–C(2)	1.520(10)	C–Si–H	110.2 b
C(2)–C(3)	1.508(10)	Si–C–H	114.0 b
C–Si	1.853 b	C(2)–C(3)–H	117.5 b
Si–H	1.475 b	H–C–H	115.4 b
C–H	1.081 b	α c	124.2(10)

a) Uncertainties were not estimated in the original paper.

b) Assumed.

c) Angle between the C–Si bond and the extension of the ring plane.

Typke, V.: J. Mol. Spectrosc. **77** (1979) 117.