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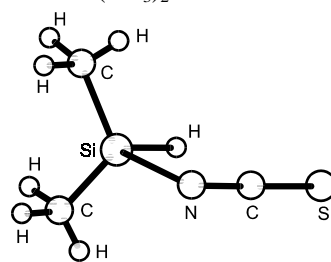
C₃H₇NSSi

Dimethylsilyl isothiocyanate

C_s assumed
(CH₃)₂SiH–N=C=S

r_a	Å ^{a)}
Si–N	1.723(8)
Si–C	1.850(5)
N=C	1.212(5)
C=S	1.579(5)
C–H	1.129(7)
Si–H	1.50 ^{b)}

θ_a	deg ^{a)}
N–Si–C	109.7(9)
C–Si–C	112.3(13)
Si–N=C	154.7(22)
N=C=S	180 ^{b)}
Si–C–H	109 ^{b)}
N–Si–H	105 ^{b)}
τ_1 ^{c)}	0 ^{b)}
τ_2 ^{d)}	0 ^{b)}



The nozzle was at room temperature.

^{a)} Estimated standard errors including a systematic error.

^{b)} Assumed.

^{c)} Torsion angle of the CH₃ group about the Si–C bond; $\tau_1 = 0^\circ$ when CH₃ group is staggered with respect to the Si–N bond.

^{d)} Torsion angle H–Si–N=C; $\tau_2 = 0^\circ$ when C=N bond is eclipsed with respect to the Si–H bond..

Cradock, S., Huntley, C.M., Rankin, D.W.H., Robertson, H.E.: J. Chem. Soc., Dalton Trans. (1986) 859.