

1781
ED

C_4H_9ClSi

Chlorodimethylvinylsilane

C_s (*syn*)
 $H_2C=CH-SiCl(CH_3)_2$

r_g	\AA^a	θ_α	deg^a
C-H	1.086(6)	C=C-Si	127.8(12)
C=C	1.347(5)	C(1)-Si-Cl	107.2(10)
Si-C(1)	1.838(6)	H-C(3)-Si	116.7(30)
Si-C(3,3')	1.876(3)	H-C=C	122.0 ^b
Si-Cl	2.078(2)	C(3)-Si-C(3')	110.0 ^b
		$\tau(\text{Cl-Si-C(1)-C(2)})$	17(6)

Models with pure *syn* form and a mixture of *syn* and *skew* (up to 40%) gave equally good agreement with the diffraction data. The parameters for the model with pure *syn* form are listed. The measurements were made at room temperature.

^a) Three times the estimated standard errors.

^b) Assumed.

^c) $\tau = 0^\circ$ for the *syn* position; $\tau = 120^\circ$ for the *skew* conformation.

Shen, Q.: J. Mol. Struct. **95** (1982) 215.

