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C₃H₃Cl₃F₂Si

Trichloro(2,2-difluorocyclopropyl)silane
1,1-Difluoro-2-(trichlorosilyl)cyclopropane

C₁

r_g	Å ^{a)}	θ_α	deg ^{a)}
C–C	1.49(3)	F–C–F	116(3)
Si–C	1.84(5)	Cl–Si–Cl	108(1)
C–F	1.33(3)	H–C–H	115 ^{b)}
Si–Cl	2.04(1)	α ^{c)}	54(2)
C–H	1.09 ^{b)}		

The symmetry of the carbon skeleton of the three-membered ring was assumed to be preserved. No explicit statement about the conformation of the SiCl₃ group around the Si–C bond was given in the original paper; it is probably staggered. The measurements were made at room temperature.

^{a)} The uncertainties are unidentified, possibly estimated standard errors.

^{b)} Assumed.

^{c)} Angle between the Si–C bond and the plane of the three-membered ring (see figure).

Kuznetsova, T.M., Alekseev, N.V., Veniaminov, N.N.: Zh. Strukt. Khim. **20** (1979) 954; Russ. J. Struct. Chem. (Engl. Transl.) **20** (1979) 823.

