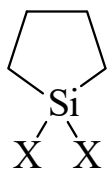




>>Entry Name: **1,1-Dichlorosilacyclopentane**, 9Cl

Synonym(s): 1,1-Dichlorosilolane



X = Cl

CAS Registry Number: 2406-33-9

Molecular Formula: C₄H₈Cl₂Si

Molecular Weight: 155.098

Accurate Mass: 153.977231

Percentage Composition: C 30.98%; H 5.20%; Cl 45.72%; Si 18.11%

Source/Synthesis: Synth. from Br(CH₂)₄Br + Mg, then SiCl₄

Physical Description: Liq.

Boiling Point: Bp 143°

Density: d₄²⁵ 1.17

Refractive Index: n_D²⁵ 1.4630

References:

West, R., *J.A.C.S.*, 1954, **76**, 6012, (*synth*)

Benkeser, R.A. *et al.*, *J.A.C.S.*, 1964, **86**, 2446, (*reactions*)

Chao, T.H. *et al.*, *J. Organomet. Chem.*, 1971, **33**, 157, (*ir, pmr*)

Philen, D.L. *et al.*, *J. Mol. Struct.*, 1973, **16**, 417, (*ir, Raman*)