



>>Entry Name: 1,2-Bis(dichloromethylsilyl)ethane

Synonym(s): 1,2-Ethanediylbis[dichloromethylsilane], 9Cl. 2,2,5,5-Tetrachloro-2,5-disilahexane, 8Cl

CAS Registry Number: 3353-69-3

$\text{Cl}_2\text{MeSiCH}_2\text{CH}_2\text{SiMeCl}_2$

Molecular Formula: $\text{C}_4\text{H}_{10}\text{Cl}_4\text{Si}_2$

Molecular Weight: 256.105

Accurate Mass: 253.907512

Percentage Composition: C 18.76%; H 3.94%; Cl 55.37%; Si 21.93%

Source/Synthesis: Synth. from $\text{HC}\equiv\text{CH}$ + SiHMeCl_2 in presence of catalytic $\text{H}_2\text{PtCl}_6 \cdot 6\text{H}_2\text{O}$ in Pr^iOH

Physical Description: Liq.

Boiling Point: Bp_{50} 113-115°. Bp_1 53-54°

Aldrich: 43821-9

Fluka: 14729

Sigma: D1804

References:

Watanabe, H. *et al.*, *J. Organomet. Chem.*, 1980, **195**, 363, (*synth*)

Voronkov, M.G. *et al.*, *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1981, **254**, 449, (*synth*)

Bochkarev, V.N. *et al.*, *Zh. Obshch. Khim.*, 1981, **51**, 1364, (*ms*)