



>>Entry Name: Dichlorobis(trimethylsilyl)methane

Synonym(s): (Dichloromethylene)bis[trimethylsilane], 9Cl. 3,3-Dichloro-2,2,4,4-tetramethyl-2,4-disilapentane, 8Cl

CAS Registry Number: 15951-41-4

(Me₃Si)₂CCl₂

Molecular Formula: C₇H₁₈Cl₂Si₂

Molecular Weight: 229.296

Accurate Mass: 228.032408

Percentage Composition: C 36.67%; H 7.91%; Cl 30.92%; Si 24.50%

Source/Synthesis: Synth. from Me₃SiCCl₂Li + Me₃SiCl

Physical Description: Moisture-sensitive colourless liq.

Boiling Point: Bp 204°. Bp₂₈ 50°

Aldrich: 39057-7

References:

Bamford, W.R. *et al.*, *J.C.S.(C)*, 1967, 1470, (*synth*)

Seyferth, D. *et al.*, *J. Organomet. Chem.*, 1970, **23**, 361, (*synth*)

Dimmel, D.R. *et al.*, *J.O.C.*, 1972, **37**, 2662; 2665, (*synth, ms*)

Dunogues, J. *et al.*, *J. Organomet. Chem.*, 1974, **71**, 377, (*synth*)

Fritz, G. *et al.*, *Z. Anorg. Allg. Chem.*, 1978, **439**, 161; **441**, 125, (*synth, pmr, cmr, Si-29 nmr, ms*)

Inorg. Synth., 1986, **24**, 118, (*synth, ir, pmr*)

Yoon, K. *et al.*, *J. Organomet. Chem.*, 1997, **545/546**, 185-189, (*synth, ir, pmr*)