



>>Entry Name: 1,2-Dichloro-1,1,2,2-tetramethyldisilane, 9CI

CAS Registry Number: 4342-61-4

ClMe₂SiSiMe₂Cl

Molecular Formula: C₄H₁₂Cl₂Si₂

Molecular Weight: 187.215

Accurate Mass: 185.985458

Percentage Composition: C 25.66%; H 6.46%; Cl 37.87%; Si 30.00%

Source/Synthesis: Synth. by photol. of SiMe₂HCl in presence of Hg

Use/Importance: Reagent for reductive coupling of aromatic acid chlorides

Physical Description: Liq.

Boiling Point: Bp 148-149°. Bp₃₀ 62°

Aldrich: 41545-6

References:

Hengge, E. *et al.*, *Monatsh. Chem.*, 1974, **105**, 671, (*synth, ir*)

Matsumoto, H. *et al.*, *J. Organomet. Chem.*, 1977, **142**, 149, (*synth*)

Hengge, E. *et al.*, *J. Organomet. Chem.*, 1978, **148**, C22, (*synth*)

Barton, T.J. *et al.*, *J. Organomet. Chem.*, 1978, **157**, 255, (*synth*)

Kveseth, K., *Acta Chem. Scand., Ser. A*, 1979, **33**, 453, (*struct*)

Stanislowski, D.A. *et al.*, *J. Organomet. Chem.*, 1980, **204**, 307, (*cmr, F-19 nmr*)

Krafft, T.E. *et al.*, *J.O.C.*, 1990, **55**, 5430, (*use*)