



>>Entry Name: 1,1,2,2-Tetramethyl-1,2-diphenyldisilane, 9CI

CAS Registry Number: 1145-98-8

PhSiMe₂SiMe₂Ph

Molecular Formula: C₁₆H₂₂Si₂

Molecular Weight: 270.521

Accurate Mass: 270.126004

Percentage Composition: C 71.04%; H 8.20%; Si 20.76%

Source/Synthesis: Synth. from PhMe₂SiCl and Li in THF

Physical Description: Solid

Melting Point: Mp 34-35°

Boiling Point: Bp₁ 111-112°

Other Data: With HX (X = Br,I) → XMe₂SiSiMe₂X

Aldrich: 45142-8

Rare Chemicals Library: S82363-5

References:

Calas, R. *et al.*, *Bull. Soc. Chim. Fr.*, 1968, 2478, (*synth, ir, Raman*)

Gilman, H. *et al.*, *J. Organomet. Chem.*, 1968, **13**, 323

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

Gladyshev, E.N. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1976, 204, (*synth*)

Fritz, G. *et al.*, *Z. Anorg. Allg. Chem.*, 1981, **473**, 59, (*synth, pmr*)