



>>Entry Name: Tetraphenylsilane

Synonym(s): Silicon tetraphenyl

CAS Registry Number: 1048-08-4

SiPh₄

Molecular Formula: C₂₄H₂₀Si

Molecular Weight: 336.507

Accurate Mass: 336.133427

Percentage Composition: C 85.66%; H 5.99%; Si 8.35%

Source/Synthesis: Synth. from Ph₃SiCl and PhLi

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 237.5°

Boiling Point: Bp 530°

Other Data: Sublimes

References:

Polis, A., *Ber.*, 1885, **18**, 1540, (*synth*)

Rausch, M.D. *et al.*, *J. Organomet. Chem.*, 1967, **10**, 127, (*synth*)

Japan. Pat., 1976, 18 545; *CA*, **89**, 43755, (*synth*)

Shapiro, B.L. *et al.*, *J. Phys. Chem. Ref. Data*, 1977, **6**, 919; *CA*, **87**, 175334, (*pmr*)

Voronkov, M.G. *et al.*, *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1981, **258**, 382; *CA*, **95**, 114573, (*cmr*)