



>>Entry Name: Fluorotriphenylsilane, 9Cl, 8Cl

Synonym(s): Triphenylsilyl fluoride

CAS Registry Number: 379-50-0

Ph₃SiF

Molecular Formula: C₁₈H₁₅FSi

Molecular Weight: 278.4

Accurate Mass: 278.092705

Percentage Composition: C 77.66%; H 5.43%; F 6.82%; Si 10.09%

Source/Synthesis: Synth. from Ph₃SiCl and NaBF₄

Physical Description: Solid

Melting Point: Mp 64°

Boiling Point: Bp₁₀ 200-210°

Aldrich: 44076-0

Rare Chemicals Library: S56467-2

References:

Lawton, E.A. *et al.*, *J.A.C.S.*, 1955, **77**, 6083, (*synth*)

Licht, K., *Z. Chem.*, 1967, **7**, 443, (*Raman, ir*)

Engelhardt, G. *et al.*, *Z. Chem.*, 1970, **10**, 266, (*pmr, ir*)

Engelhardt, G. *et al.*, *Org. Magn. Reson.*, 1973, **5**, 561, (*pmr*)

Veszpremi, T. *et al.*, *Kem. Kozl.*, 1976, **46**, 418; *CA*, **87**, 22154, (*uv*)

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