



>>Entry Name: Trifluorophenylsilane, 9CI, 8CI

Synonym(s): Phenyltrifluorosilane

CAS Registry Number: 368-47-8

PhSiF₃

Molecular Formula: C₆H₅F₃Si

Molecular Weight: 162.186

Accurate Mass: 162.011261

Percentage Composition: C 44.43%; H 3.11%; F 35.14%; Si 17.32%

Source/Synthesis: Synth. from PhSiCl₃ + SbF₃

Physical Description: Liq.

Boiling Point: Bp 101-102°

Density: d₄²⁶ 1.201

References:

Emeléus, H.J. *et al.*, *J.C.S.*, 1944, 454, (*synth*)

Pearlson, W.H. *et al.*, *J.A.C.S.*, 1945, **67**, 1769, (*synth*)

Kriegsmann, H. *et al.*, *Z. Phys. Chem. (Leipzig)*, 1958, **209**, 261, (*ir, Raman*)

Shorygin, P.P. *et al.*, *Zh. Fiz. Khim.*, 1968, **42**, 1057, (*uv*)

Hogben, M.G. *et al.*, *J.A.C.S.*, 1969, **91**, 283, (*F-19 nmr*)

Schraml, J. *et al.*, *J. Organomet. Chem.*, 1973, **51**, C5, (*cmr, Si-29 nmr*)

Ramsey, B.G., *J. Organomet. Chem.*, 1977, **135**, 307

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