



>>Entry Name: Trimethylphenylsilane, 9CI

Synonym(s): Phenyltrimethylsilane. Trimethylsilylbenzene

CAS Registry Number: 768-32-1

PhSiMe₃

Molecular Formula: C₉H₁₄Si

Molecular Weight: 150.295

Accurate Mass: 150.086477

Percentage Composition: C 71.92%; H 9.39%; Si 18.69%

Source/Synthesis: Synth. from PhCl + Me₃SiCl + Na

Physical Description: Liq.

Boiling Point: Bp 168-170°. Bp_{1.5} 47°

Density: d₄²⁰ 0.87

Aldrich: 19773-4

Fluka: 79268

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 701B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 1121C, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1664C, (*ir*)

Marchand, A. *et al.*, *J. Chem. Phys.*, 1962, **59**, 1142, (*ir*)

Molchanova, T.V. *et al.*, *CA*, 1968, **68**, 13069, (*synth*)

Freeburger, M.E. *et al.*, *J.O.C.*, 1971, **36**, 933, (*ms*)

Chuy, N.D. *et al.*, *Coll. Czech. Chem. Comm.*, 1975, **40**, 875, (*cmr, pmr, Si-29 nmr*)

Cook, I.B., *Aust. J. Chem.*, 1989, **42**, 1493, (*cmr*)

Stang, P.J. *et al.*, *Tet. Lett.*, 1991, **35**, 7497, (*use*)