



>>Entry Name: Trimethylphenoxysilane, 9CI

Synonym(s): Phenyl trimethylsilyl ether

CAS Registry Number: 1529-17-5

PhOSiMe₃

Molecular Formula: C₉H₁₄OSi

Molecular Weight: 166.294

Accurate Mass: 166.081392

Percentage Composition: C 65.00%; H 8.49%; O 9.62%; Si 16.89%

Source/Synthesis: Synth. PhOH + Me₃SiCl

Use/Importance: Used for regio/chemoselective ring opening of epoxides

Physical Description: Liq.

Boiling Point: Bp₇₃₆ 182.5°

Density: d₄²⁵ 0.92

Refractive Index: n_D²⁵ 1.4782

Aldrich: 38041-5

Fluka: 92610

References:

Speier, J.L., *J.A.C.S.*, 1952, **74**, 1003, (*synth*)

Dube, G., *J. Prakt. Chem.*, 1971, **313**, 905, (*ms*)

Scholl, R.L. *et al.*, *J.A.C.S.*, 1972, **94**, 6376, (*Si-29 nmr*)

Bourdeau, M. *et al.*, *J. Organomet. Chem.*, 1973, **61**, 91, (*struct*)

Koehler, P. *et al.*, *Z. Anorg. Allg. Chem.*, 1978, **447**, 75, (*ir*)

Hencsei, P. *et al.*, *Acta Chim. Acad. Sci. Hung.*, 1981, **106**, 267; *CA*, **95**, 79490, (*uv*)

Nambu, Y. *et al.*, *Tet. Lett.*, 1990, **31**, 1723, (*use*)