



>>Entry Name: Trimethyl(phenylamino)silane

Synonym(s): 1,1,1-Trimethyl-*N*-phenylsilanamine, 10Cl, 9Cl. 1,1,1-Trimethyl-*N*-phenylsilylamine, 8Cl. Anilinotrimethylsilane. *N*-Trimethylsilylaniline

CAS Registry Number: 3768-55-6

PhNHSiMe₃

Molecular Formula: C₉H₁₅NSi

Molecular Weight: 165.31

Accurate Mass: 165.097376

Percentage Composition: C 65.39%; H 9.15%; N 8.47%; Si 16.99%

Source/Synthesis: Synth. from PhNH₂ + Me₃SiCl

Physical Description: Liq.

Boiling Point: Bp 206°

Density: d₄²⁰ 0.94

Refractive Index: n_D²⁰ 1.5219

References:

Anderson, H.H., *J.A.C.S.*, 1951, **73**, 5802, (*synth*)

Randall, E.W. *et al.*, *J.A.C.S.*, 1968, **90**, 3167, (*ir, pmr*)

Nöth, H. *et al.*, *Chem. Ber.*, 1974, **107**, 518, (*N-14 nmr*)

Barlos, K. *et al.*, *J. Magn. Reson.*, 1978, **31**, 363, (*nmr*)

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

Pikies, J. *et al.*, *Z. Anorg. Allg. Chem.*, 1981, **473**, 215, (*ms*)