



>>Entry Name: Bis(dimethylphenylsilyl)amine

Synonym(s): *N*-(Dimethylphenylsilyl)-1,1-dimethyl-1-phenylsilanamine, 9CI. 1,1,3,3-Tetramethyl-1,3-diphenyldisilazane, 8CI. DPTMDS

CAS Registry Number: 3449-26-1

(PhMe₂Si)₂NH

Molecular Formula: C₁₆H₂₃NSi₂

Molecular Weight: 285.535

Accurate Mass: 285.136903

Percentage Composition: C 67.30%; H 8.12%; N 4.91%; Si 19.67%

Source/Synthesis: Synth. from MOI [GGG63-A](#) + NH₃

Physical Description: Liq.

Boiling Point: Bp 315-316°. Bp₄ 144-146°

Density: d²⁵ 0.99

Refractive Index: n_D²⁰ 1.5369

Aldrich: 36515-7

Fluka: 43340

Sigma: D5539

References:

Silbiger, J. *et al.*, *Inorg. Chem.*, 1965, **4**, 1371, (*synth*)

Scott, R.N. *et al.*, *Inorg. Chem.*, 1970, **9**, 2597, (*synth*)

Breed, L.W. *et al.*, *J. Organomet. Chem.*, 1971, **31**, 179, (*synth, pmr*)