



>>Entry Name: Bis(dimethylamino)dimethylsilane

Synonym(s): Hexamethylsilanediamine, 9CI

CAS Registry Number: 3768-58-9

Me2Si(NMe2)2

Molecular Formula: C6H18N2Si

Molecular Weight: 146.307

Accurate Mass: 146.123925

Percentage Composition: C 49.26%; H 12.40%; N 19.15%; Si 19.20%

Source/Synthesis: Synth. from Me2SiCl2 and NHMe2

Physical Description: Liq.

Boiling Point: Bp 127.5°

Refractive Index: n_D^{25} 1.4157

Other Data: Copolymers with bis-silanols have been synth.

Aldrich: 23566-0

Fluka: 14755

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 1112B, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1656C, (*ir*)

Aldrich Library of NMR Spectra, 2nd edn., 1983, **2**, 1001A, (*nmr*)

Anderson, H.H., *J.A.C.S.*, 1952, **74**, 1421, (*synth*)

Washburne, S.S. *et al.*, *J. Organomet. Chem.*, 1970, **21**, 59, (*ir*, *pmr*, *synth*)

Mueller, H. *et al.*, *J. Organomet. Chem.*, 1970, **23**, 395, (*pmr*)

Van den Berghe, E.V. *et al.*, *J. Organomet. Chem.*, 1971, **122**, 329, (*pmr*, *Si-29 nmr*)

Rakita, P.E. *et al.*, *Inorg. Nucl. Chem. Lett.*, 1977, **13**, 547, (*cmr*)

Patterson, W.J. *et al.*, *Macromol. Synth.*, 1977, **6**, 99, (*synth*, *polym*)

Naessens, L.A. *et al.*, *Bull. Soc. Chim. Belg.*, 1982, **91**, 519, (*ms*)