



>>Entry Name: *O*-(Trimethylsilyl)hydroxylamine, 9CI

Synonym(s): Aminooxytrimethylsilane

CAS Registry Number: 22737-36-6

Me3SiONH2

Molecular Formula: C3H11NOSi

Molecular Weight: 105.211

Accurate Mass: 105.060991

Percentage Composition: C 34.25%; H 10.54%; N 13.31%; O 15.21%; Si 26.69%

Source/Synthesis: Synth. from (Me3Si)2NH + 3NH2OH.HCl + Et3N

Physical Description: Liq.

Boiling Point: Bp 98-100°

Density: d_4^{20} 0.86

Refractive Index: n_D^{20} 1.4045

Aldrich: 44044-2

Fluka: 92776

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 679A, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1654B, (*ir*)

Burger, H. *et al.*, *Monatsh. Chem.*, 1969, **100**, 766, (*ir*)

West, R. *et al.*, *J.A.C.S.*, 1973, **95**, 3987, (*synth, pmr*)

Duboudin, F. *et al.*, *J. Organomet. Chem.*, 1974, **82**, 41, (*synth, ir, pmr*)