



>>Entry Name: Methoxytrimethylsilane, 9CI

Synonym(s): Methyl trimethylsilyl ether

CAS Registry Number: 1825-61-2

Me₃SiOMe

Molecular Formula: C₄H₁₂OSi

Molecular Weight: 104.224

Accurate Mass: 104.065742

Percentage Composition: C 46.10%; H 11.60%; O 15.35%; Si 26.95%

Source/Synthesis: Synth. from Me₃SiCl + MeOH

Physical Description: Liq.

Boiling Point: Bp 57.2°

Density: d₄²⁵ 0.75

Refractive Index: n_D²⁰ 1.3678

Aldrich: 25300-6

Fluka: 65366

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 657B, (*nmr*)

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Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1640D, (*ir*)

Sauer, R.D., *J.A.C.S.*, 1944, **66**, 1707, (*synth*)

Vishwanathan, N. *et al.*, *J.C.S.(A)*, 1968, 487, (*synth*)

Dedier, J. *et al.*, *J. Organomet. Chem.*, 1974, **81**, 161, (*ir, Raman*)

Radeglia, R., *Z. Phys. Chem.*, 1975, **256**, 453, (*Si-29 nmr*)

Dube, G. *et al.*, *Z. Anorg. Allg. Chem.*, 1977, **405**, 46, (*ms*)

Owsley, D.C. *et al.*, *J.O.C.*, 1979, **44**, 295, (*synth*)