



>>Entry Name: Diethylmethoxyborane

Synonym(s): Diethylborinic acid methyl ester, 12Cl, 9Cl, 8Cl. Methoxydiethylborane

CAS Registry Number: 7397-46-8

Et₂BOMe

Molecular Formula: C₅H₁₃BO

Molecular Weight: 99.968

Accurate Mass: 100.105945

Percentage Composition: C 60.07%; H 13.11%; B 10.81%; O 16.00%

Use/Importance: Commercially available

Physical Description: Air- and moisture-sensitive liq.

Boiling Point: Bp 90°

Solubility: Sol. non-hydroxylic solvs.

Hazard & Toxicity: Pyrophoric

Aldrich: 34720-5

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 724A, (nmr)

Nöth, H. *et al.*, *Chem. Ber.*, 1966, **99**, 1049, (nmr)

Nöth, H. *et al.*, *J. Organomet. Chem.*, 1968, **12**, 23, (nmr)

Köster, R. *et al.*, *Annalen*, 1975, 352, (synth, pmr, ms)

Mikhailov, B.M. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1978, 1586; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, **27**, 1385, (synth)

Paetzold, P. *et al.*, *Z. Naturforsch., B*, 1980, **35**, 568

Inorg. Synth., 1983, **22**, 190