



>>Entry Name: 1-Methoxypropane, 9CI

Synonym(s): Methyl propyl ether. Neothyl. Metopryl

CAS Registry Number: 557-17-5

$\text{H}_3\text{CCH}_2\text{CH}_2\text{OMe}$

Molecular Formula: $\text{C}_4\text{H}_{10}\text{O}$

Molecular Weight: 74.122

Accurate Mass: 74.073165

Percentage Composition: C 64.82%; H 13.60%; O 21.59%

Use/Importance: Anaesthetic

Boiling Point: Bp 39.14°

Density: d_4^{13} 0.736

Refractive Index: n_D^{14} 1.3602

Calculated Log P Data: Log P 0.87 (calc)

Hazard & Toxicity: Highly flammable, fl. p. <-20°

References:

Bennet, G.M. *et al.*, *J.C.S.*, 1928, 1930, (*synth*)

Kudchadkev, A.P. *et al.*, *Tex. J. Sci.*, 1969, **20**, 367, (*props*)

Shimanouchi, T. *et al.*, *Bull. Chem. Soc. Jpn.*, 1976, **49**, 2999, (*ir*)

Delseth, C. *et al.*, *Helv. Chim. Acta*, 1978, **61**, 1327, (*nmr*)

DiPaolo, T., *J. Pharm. Sci.*, 1978, **67**, 564, (*use*)

Bowen, R.D. *et al.*, *Org. Mass Spectrom.*, 1984, **19**, 379, (*ms*)

Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th edn., Van Nostrand Reinhold, 1979, 831

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