



>>Entry Name: 1-Methoxybutane, 9CI

Synonym(s): Butyl methyl ether, 8CI

CAS Registry Number: 628-28-4

$\text{H}_3\text{C}(\text{CH}_2)_3\text{OMe}$

Molecular Formula: $\text{C}_5\text{H}_{12}\text{O}$

Molecular Weight: 88.149

Accurate Mass: 88.088815

Percentage Composition: C 68.13%; H 13.72%; O 18.15%

Physical Description: Liq.

Boiling Point: Bp 71°

Hazard & Toxicity: LC_{50} (mus, ihl) 176 mg m^{-3} (15 min. exposure)

Aldrich: 23537-7

Fluka: 20250

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 318A, (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 203C, (ir)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 266A, (ir)

Clarke, H.T., *J.C.S.*, 1912, **101**, 1801, (synth)

Cherchez, V., *Bull. Soc. Chim. Fr.*, 1928, **43**, 766, (synth)

Miyajima, G. *et al.*, *Org. Magn. Reson.*, 1974, **6**, 313, (cmr)

Hsu, C.S. *et al.*, *Org. Mass Spectrom.*, 1976, **11**, 975, (ms)