



>>Entry Name: 1-Ethoxybutane, 9CI

Synonym(s): Butyl ethyl ether, 8CI

CAS Registry Number: 628-81-9

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

Molecular Formula: $\text{C}_6\text{H}_{14}\text{O}$

Molecular Weight: 102.176

Accurate Mass: 102.104465

Percentage Composition: C 70.53%; H 13.81%; O 15.66%

Physical Description: Liq.

Melting Point: Mp -124°

Boiling Point: Bp 92.3°

Hazard & Toxicity: Highly flammable, fl. p. 4° . Peroxidizable. Eye and skin irritant. LD₅₀ (rat, orl) 1870 mg/kg

Aldrich: 26892-5

Fluka: 3200

References:

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

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

Norris, J.F. *et al.*, *J.A.C.S.*, 1932, **54**, 2097, (synth)

Tsuchiya, M. *et al.*, *Org. Mass Spectrom.*, 1976, **11**, 1281, (ms)

Ejchart, A., *Org. Magn. Reson.*, 1980, **13**, 368, (cmr)

Ejchart, A., *Pol. J. Chem. (Rocz. Chem.)*, 1981, **55**, 1169, (cmr)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, EHA500

Bretherick, L., *Handbook of Reactive Chemical Hazards*, 4th edn., Butterworths, 1990, 2386