



>>Entry Name: Dipentyl ether

Synonym(s): 1,1'-Oxybispentane, 9Cl. Diamyl ether. Amyl ether

CAS Registry Number: 693-65-2

$\text{H}_3\text{C}(\text{CH}_2)_4\text{O}(\text{CH}_2)_4\text{CH}_3$

Molecular Formula: $\text{C}_{10}\text{H}_{22}\text{O}$

Molecular Weight: 158.283

Accurate Mass: 158.167065

Percentage Composition: C 75.88%; H 14.01%; O 10.11%

Physical Description: Liq.

Boiling Point: Bp 184-186°

Hazard & Toxicity: Flammable, fl. p. 52°, autoignition temp. 170°

Aldrich: 24233-0

Fluka: 42570

Rare Chemicals Library: S43823-5

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 320A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 204D, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 267D, (*ir*)

Spiteller, G. *et al.*, *Chem. Ber.*, 1967, **100**, 79, (*ms*)

Konno, O. *et al.*, *Tetrahedron*, 1976, **32**, 325, (*cmr*)

Benedict, D.R., *Synthesis*, 1979, 428, (*synth*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, PBX000