



>>Entry Name: Benzyloxyethanol

Synonym(s): 2-Phenylmethyloxyethanol, 9CI. Benzyl hydroxyethyl ether. Ethylene glycol monobenzyl ether. Benzyl cellosolve

CAS Registry Number: 622-08-2

PhCH2OCH2CH2OH

Molecular Formula: C9H12O2

Molecular Weight: 152.193

Accurate Mass: 152.08373

Percentage Composition: C 71.03%; H 7.95%; O 21.03%

Use/Importance: Possesses anaesthetic and analgesic props. Solvent

Physical Description: Oil

Boiling Point: Bp₁₇ 137-138°

Hazard & Toxicity: Eye irritant. LD₅₀ (rat, orl) 1190 mg/kg

Aldrich: 25286-7

Fluka: 13617

Rare Chemicals Library: S37825-9

>>Derivative: Formyl

Molecular Formula: C10H12O3

Molecular Weight: 180.203

Accurate Mass: 180.078645

Percentage Composition: C 66.65%; H 6.71%; O 26.64%

Physical Description: Oil

Boiling Point: Bp₂₁ 150°

>>Derivative: Ac

CAS Registry Number: 5312-10-7

Molecular Formula: C11H14O3

Molecular Weight: 194.23

Accurate Mass: 194.094295

Percentage Composition: C 68.02%; H 7.26%; O 24.71%

Physical Description: Oil

Boiling Point: Bp₁₅ 145-146°

>>Derivative: 3,5-Dinitrobenzoyl

Melting Point: Mp 78°

>>Derivative: 4-Nitrobenzenesulfonyl

Melting Point: Mp 45°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 396C, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1157B, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1080B, (*ir*)

Butler, C.L. *et al.*, *J.A.C.S.*, 1938, **60**, 1472, (*synth*)

Djerassi, C. *et al.*, *J.O.C.*, 1971, **36**, 3526, (*ms*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, EJI500