



**>>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:** C<sub>9</sub>H<sub>12</sub>O<sub>2</sub>

**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:** Bp<sub>17</sub> 137-138°

**Hazard & Toxicity:** Eye irritant. LD<sub>50</sub> (rat, orl) 1190 mg/kg

**Aldrich:** 25286-7

**Fluka:** 13617

**Rare Chemicals Library:** S37825-9

**>>Derivative: Formyl**

**Molecular Formula:** C<sub>10</sub>H<sub>12</sub>O<sub>3</sub>

**Molecular Weight:** 180.203

**Accurate Mass:** 180.078645

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

**Physical Description:** Oil

**Boiling Point:** Bp<sub>21</sub> 150°

**>>Derivative: Ac**

**CAS Registry Number:** 5312-10-7

**Molecular Formula:** C<sub>11</sub>H<sub>14</sub>O<sub>3</sub>

**Molecular Weight:** 194.23

**Accurate Mass:** 194.094295

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

**Physical Description:** Oil

**Boiling Point:** Bp<sub>15</sub> 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