



>>Entry Name: 2-Isopropoxyethanol, 8CI

Synonym(s): 2-(1-Methylethoxy)ethanol, 9CI. Ethylene glycol isopropyl ether. 2-Hydroxyethyl isopropyl ether

CAS Registry Number: 109-59-1

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

Molecular Formula: $\text{C}_5\text{H}_{12}\text{O}_2$

Molecular Weight: 104.149

Accurate Mass: 104.08373

Percentage Composition: C 57.66%; H 11.61%; O 30.72%

Boiling Point: Bp_{743} 144°

Hazard & Toxicity: Flammable, fl. p. 33° (oc). LD_{50} (rbt, skn) 1600 mg/kg. Severe eye irritant. Exp. nephrotoxic effects by inhalation

Aldrich: 10789-1

Fluka: 59670

Rare Chemicals Library: S40572-8

>>Derivative: 3,4,5-Triiodobenzoyl

Melting Point: Mp 79.5-80°

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 338A, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 295B, (*ir*)

Aldrich Library of Infrared Spectra, 3rd edn., 1981, 134A, (*ir*)

Cretcher, L.H. *et al.*, *J.A.C.S.*, 1924, **46**, 1503, (*synth*)

Japan. Pat., 1976, 76 59 809; *CA*, **85**, 93814m

Patty's Ind. Hyg. Toxicol. (3rd Rev. edn.), Vol. 2, Wiley, 1980, 3928

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn.*, Van Nostrand Reinhold, 1992, INA500