



>>Entry Name: 3-Ethoxy-1-propene, 9CI

Synonym(s): Allyl ethyl ether, 8CI

CAS Registry Number: 557-31-3

$\text{H}_2\text{C}=\text{CHCH}_2\text{OEt}$

Molecular Formula: $\text{C}_5\text{H}_{10}\text{O}$

Molecular Weight: 86.133

Accurate Mass: 86.073165

Percentage Composition: C 69.72%; H 11.70%; O 18.58%

Physical Description: Liq.

Boiling Point: Bp 66-67°

Solubility: Insol. H_2O ; misc. EtOH, Et_2O

Density: d_4^{20} 0.765

Refractive Index: n_D^{20} 1.3881

Other Data: Vp 153 mmHg (25°)

Hazard & Toxicity: Extremely flammable, fl. p. -20°. Peroxidizable. Dist. hazard. Eye, skin and respiratory tract irritant

Aldrich: 23822-8

Fluka: 2900

Rare Chemicals Library: S56176-2

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 332C, (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 212C, (ir)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 278C, (ir)

Fellous, R. *et al.*, *Bull. Soc. Chim. Fr.*, 1974, 923, (synth)

Zweifel, G. *et al.*, *Synthesis*, 1976, **12**, 816, (synth)

Bretherick, L., *Handbook of Reactive Chemical Hazards, 4th edn.*, Butterworths, 1990, 1834

Luxon, S.G., *Hazards in the Chemical Laboratory, 5th edn.*, Royal Society of Chemistry, 1992, 28