



>>Entry Name: Ethyl N-ethylcarbamate, 9CI

Synonym(s): Ethyl ethylaminoformate

CAS Registry Number: 623-78-9

EtNHCOOEt

Molecular Formula: C₅H₁₁NO₂

Molecular Weight: 117.147

Accurate Mass: 117.078979

Percentage Composition: C 51.26%; H 9.46%; N 11.96%; O 27.31%

Use/Importance: Has narcotic and anaesthetic props.

Physical Description: Liq.

Boiling Point: Bp 170°. Bp₁₂ 67-68°

Hazard & Toxicity: Exp. neoplastic agent. LD₅₀ (mus, scu) 860 mg/kg. Fl. p. 76°

Aldrich: E5122-8

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 1259A, (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 772C, (ir)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 787A, (ir)

Curtius, T. *et al.*, *J. Prakt. Chem.*, 1901, **64**, 401, (synth)

Mauguin, C., *Ann. Chim. Phys.*, 1911, **22**, 297, (synth)

Lewis, C.P. *et al.*, *Anal. Chem.*, 1964, **36**, 176, (ms)

Biener, H., *Annalen*, 1965, **686**, 102, (synth)

Lehr, E. *et al.*, *Naturwissenschaften*, 1971, **58**, 576, (pharmacol)

Niclas, H.-J. *et al.*, *Tetrahedron*, 1978, **34**, 703, (ir, pmr)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn.*, Van Nostrand Reinhold, 1992, EJW500