



>>Entry Name: *N*-Ethylacetamide, 9CI, 8CI

ENTRY UNDER REVIEW

Synonym(s): *N*-Ethylethanamide

CAS Registry Number: 625-50-3

$\text{H}_3\text{CCONHEt}$

Molecular Formula:  $\text{C}_4\text{H}_9\text{NO}$

Molecular Weight: 87.121

Accurate Mass: 87.068414

Percentage Composition: C 55.15%; H 10.41%; N 16.08%; O 18.36%

Biological Source: Found in tea and wine

Use/Importance: Has antispasmodic activity

Physical Description: Oily liq.

Boiling Point: Bp 205°. Bp<sub>0.15</sub> 66°

Solubility: Sol.  $\text{H}_2\text{O}$ , EtOH,  $\text{Et}_2\text{O}$

Hazard & Toxicity: LD<sub>50</sub> (rat, ipr) 3130 mg/kg. Fl. p. 106/110°

Aldrich: 14740-0

Rare Chemicals Library: S43701-8

Sigma: E4384

>>Derivative: Hydrochloride

Physical Description: Deliquescent needles

Melting Point: Mp 60°

#### References:

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Wallach, O., *Annalen*, 1873, **184**, 108, (synth)

Titherley, A.W., *J.C.S.*, 1901, **79**, 391, (synth)

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Schreier, P. *et al.*, *Z. Lebensm.-Unters. -Forsch.*, 1975, **157**, 34, (isol, ms)

Kisfaludy, L. *et al.*, *J.O.C.*, 1979, **44**, 654, (synth)

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