>>**Entry Name: *O*-Ethylhydroxylamine,** 9CI, 8CI
**Synonym(s):** α-Ethylhydroxylamine. Ethoxyamine

**CAS Registry Number:** 624-86-2

$H_2NOEt$

**Molecular Formula:** $C_2H_7NO$
**Molecular Weight:** 61.083
**Accurate Mass:** 61.052764
**Percentage Composition:** C 39.33%; H 11.55%; N 22.93%; O 26.19%
**Use/Importance:** Used as a derivatisation reagent for oxo acids
**Physical Description:** Liq. with strong odour
**Boiling Point:** Bp 64-65° (68°)
**Solubility:** Misc. $H_2O$, EtOH, $Et_2O$
**Hazard & Toxicity:** Flammable

>>**Derivative:** Hydrochloride

**CAS Registry Number:** 3332-29-4
**Physical Description:** Scales (EtOH/$Et_2O$)
**Melting Point:** Mp 128° (133-134°)
**Aldrich:** 27499-2
**Fluka:** 4133
**Sigma:** E0889

**References:**


Gürke*, Annalen*, 1880, **205**, 274, *(synth)*
Jones, L.W. *et al.*, *J.A.C.S.*, 1914, **36**, 730, *(synth)*
Fujii, T. *et al.*, *Chem. Pharm. Bull.*, 1967, **15**, 345, *(synth, pmr)*
Heinemann, B.*, Appl. Microbiol.*, 1971, **21**, 726, *(pharmacol)*
Chalmers, R.A. *et al.*, *Analyst (London)*, 1972, **97**, 951; 958, *(use)*
Lawson, A.M. *et al.*, *Biomed. Mass Spectrom.*, 1974, **1**, 199, *(use)*
Chimiak, A. *et al.*, *Bull. Acad. Pol. Sci., Ser. Sci. Chim.*, 1974, **22**, 195; 479, *(synth, ms)*