



>>Entry Name: 2-Ethoxyethylamine, 8Cl

Synonym(s): 2-Ethoxyethanamine, 9Cl. 2-Aminoethyl ethyl ether. 2-Aminodiethyl ether

CAS Registry Number: 110-76-9

EtOCH₂CH₂NH₂

Molecular Formula: C₄H₁₁NO

Molecular Weight: 89.137

Accurate Mass: 89.084064

Percentage Composition: C 53.90%; H 12.44%; N 15.71%; O 17.95%

Physical Description: Liq. with ammoniacal odour

Boiling Point: Bp 108°

Solubility: Misc. H₂O, EtOH, Et₂O

Density: d₄²⁰ 0.851

Refractive Index: n_D²⁰ 1.4101

Other Data: Strong base

Rare Chemicals Library: S45871-6

>>Derivative: Picrate

Physical Description: Yellow cryst.

Melting Point: Mp 122°

>>Derivative: *N,N*-Di-Me

see under , in 2-(Dimethylamino)ethanol, [HJH12-V](#)

>>Derivative: *N*-Et

Synonym(s): 2-Ethoxy-*N*-ethylethanamine

CAS Registry Number: 38256-95-0

Molecular Formula: C₆H₁₅NO

Molecular Weight: 117.191

Accurate Mass: 117.115364

Percentage Composition: C 61.49%; H 12.90%; N 11.95%; O 13.65%

Boiling Point: Bp 130-133°

>>Derivative: *N,N*-Di-Et

Synonym(s): 2-Ethoxy-*N,N*-diethylethanamine, 9Cl

CAS Registry Number: 28343-47-7

Molecular Formula: C₈H₁₉NO

Molecular Weight: 145.244

Accurate Mass: 145.146664

Percentage Composition: C 66.16%; H 13.18%; N 9.64%; O 11.02%

Boiling Point: Bp 154.5°. Bp₂₅ 63-64°

References:

Hass, H.B. *et al.*, *J.A.C.S.*, 1954, **76**, 2692, (*synth*)

Woodburn, H.M. *et al.*, *J.O.C.*, 1958, **23**, 819, (*synth*)

Harder, U. *et al.*, *Chem. Ber.*, 1964, **97**, 510, (*synth*)

Sarneski, J.E. *et al.*, *Anal. Chem.*, 1975, **47**, 2116, (*cmr*)