>>**Entry Name: 2-Aminoethanol,** 9CI
Synonym(s): 2-Hydroxyethylamine. Ethanolamine. Monoethanolamine. Colamine

CAS Registry Number: 141-43-5
Related CAS Registry Numbers(s): 96-80-0 20739-39-3

$H_2NCH_2CH_2OH$

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%
Biological Source: Widely distributed in biol. tissues. Component of lecithin. Manuf. from ethylene oxide and NH_3. Constit. of defence secretions of *Chrysolinina* beetles
Use/Importance: Chemical intermed., org. base. Removes CO_2 and H_2S from gases. Reagent for fluorimetric anal. of carbohydrates by hplc. Selectively cleaves the glycosyl ester bond of peracylated aldoses. Curing agent for epoxy resins
Physical Description: Viscous, hygroscopic liq.
Melting Point: Mp 10.5°
Boiling Point: Bp 171°
Solubility: Misc. H_2O, MeOH, Me_2CO; spar. sol. C_6H_6, Et_2O
Density: d_4^{25}1.012
pKa Value: pK_a 9.47
Refractive Index: n_D^{20} 1.4539
Other Data: Vp 0.48 mmHg (20°)
Hazard & Toxicity: Fl. p. 85°, autoignition temp. 410°. Corrosive and irritating to skin, eyes and mucous membranes. LD_{50} (rat, orl) 1720 mg/kg. Exp. teratogen. OES: long-term 3 ppm; short-term 6 ppm

Aldrich: 11016-7
Fluka: 2410
Sigma: A5629

>>**Derivative:** Hydrofluoride

Physical Description: Cryst. (EtOH)
Melting Point: Mp 35-37°

>>**Derivative:** Hydrochloride

CAS Registry Number: 2002-24-6
Physical Description: Hygroscopic cryst. (EtOH)
Melting Point: Mp 84-86°

Aldrich: 23638-1
Fluka: 2415
Sigma: E6133

>>**Derivative:** Octadecanoate salt
Synonym(s): Monoethanolamine oleate, INN

CAS Registry Number: 2272-11-9
Biological Use/Importance: Sclerosing agent. Pharmaceutic aid (surfactant)
Hazard & Toxicity: Skin and mucous membrane irritant

>>**Derivative:** Picrate

Physical Description: Yellow cryst.
Melting Point: Mp 148-150°