



CAS Registry Number: 109-83-1

Molecular Formula: C₃H₉NO

Molecular Weight: 75.11

Accurate Mass: 75.068414

Percentage Composition: C 47.97%; H 12.08%; N 18.65%; O 21.30%

Biological Source: *In vivo* precursor of Choline

Physical Description: Strongly basic liq. with fishy odour

Boiling Point: Bp 155-156°. Bp₅ 115-118°

Solubility: Misc. H₂O, EtOH, Et₂O

Density: d₄²⁰ 0.94

Hazard & Toxicity: Corrosive and irritating to skin, eyes and mucous membranes. LD₅₀ (rat, orl) 2340 mg/kg

Aldrich: 47144-5

Fluka: 65630

Sigma: M9388

>>Derivative: *N*-Me, picrate

Melting Point: Mp 148-150°

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

>>Derivative: *N*-Et

Synonym(s): 2-Ethylaminoethanol. 2-Hydroxydiethylamine

CAS Registry Number: 110-73-6

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%

Use/Importance: Corrosion inhibitor

Biological Use/Importance: Fungicide, has antifertility props.

Physical Description: Oily liq. with faint odour, fumes in air

Boiling Point: Bp 169-170°. Bp₁₅ 75-76°

Solubility: Sol. H₂O

Other Data: Spar. steam-volatile

Hazard & Toxicity: Eye and skin irritant. LD₅₀ (rat, orl) 1000 mg/kg. LD₅₀ (rbt, skn) 360 mg/kg

Aldrich: 24114-8

Fluka: 2980

>>Derivative: *N*-Et, picrate

Physical Description: Yellow monoclinic prisms (EtOH)

Melting Point: Mp 125-126°

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

Synonym(s): 2-Diethylaminoethanol, 9Cl. 2-Hydroxytriethylamine

CAS Registry Number: 100-37-8

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 163°. Bp₃₅ 75°

Solubility: Sol. H₂O

Hazard & Toxicity: Skin and severe eye irritant. Adverse gastrointestinal effects by inhalation. LD₅₀ (rat, orl) 1300 mg/kg. LD₅₀ (gpg, skn) 884 mg/kg. OES: long-term 10 ppm (Sk)

Aldrich: 24004-4

Fluka: 31760