



>>Entry Name: 2-(Dimethylamino)ethanol

Synonym(s): Dimethyl-2-hydroxyethylamine. *N*-Dimethylethanolamine. **Deanol**, BAN. Norcholine. Bimanol

CAS Registry Number: 108-01-0

Related CAS Registry Numbers(s): 29870-28-8

Type of Compound Code(s): XA2900 XA1450 VX0100

Me₂NCH₂CH₂OH

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%

Biological Source: Isol. from a *Neurospora crassa* strain. Residue present in the alkaloids Cassaine [CFM03-N](#) and Cassaidine [HJV31-S](#). Choline precursor

Use/Importance: CNS stimulant. Antidepressant

Boiling Point: Bp 135°

Density: d₄²⁰ 0.887

Calculated Log P Data: Log P -0.58 (calc)

Hazard & Toxicity: Skin and eye irritant. Flammable, fl. p. 41° (oc), autoignition temp. 295°

Aldrich: D15740-6

Fluka: 38990

Sigma: D4256

>>Derivative: 4-(Acetylamino)benzoate salt (1:1)

Synonym(s): Deaner. Diforene. Deanol acetamidobenzoate. Many other names

CAS Registry Number: 3635-74-3

Use/Importance: Antidepressant

Physical Description: Cryst. (EtOH/EtOAc)

Melting Point: Mp 159-161.5°

Hazard & Toxicity: LD₅₀ (mus, orl) 39.8 mg/kg

>>Derivative: *N*-Acetyl-L-glutamate salt (1:1)

Synonym(s): Deanol aceglumate, INN. Demanol aceglumate. Cleregil. Dardanin. Otrun. Risatarun. Rischiaril

CAS Registry Number: 3342-61-8

Use/Importance: Antidepressant

>>Derivative: Picrate

Melting Point: Mp 96-97°

>>Derivative: Ac

CAS Registry Number: 1421-89-2

Molecular Formula: C₆H₁₃NO₂

Molecular Weight: 131.174

Accurate Mass: 131.094629

Percentage Composition: C 54.94%; H 9.99%; N 10.68%; O 24.39%

Boiling Point: Bp₈₀ 86-88°

>>Derivative: 2-Propenoyl

CAS Registry Number: 2439-35-2

Molecular Formula: C₇H₁₃NO₂

Molecular Weight: 143.185

Accurate Mass: 143.094629

Percentage Composition: C 58.72%; H 9.15%; N 9.78%; O 22.35%

Boiling Point: Bp₁₂ 64°

Refractive Index: n_D²⁰ 1.4380

Aldrich: 33095-7