



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

Physical Description: Liq. with mild ammoniacal odour

Melting Point: Mp 3°

Boiling Point: Bp 160-161°

Solubility: Sol. H₂O

Refractive Index: n_D^{20} 1.4462

>>Derivative: Hydrochloride

CAS Registry Number: 7780-04-3

Physical Description: Cryst. (EtOH/EtOAc)

Melting Point: Mp 72.5-74°

>>Derivative: *N*-(2-Methyl-2-propenoyl)

Synonym(s): *N*-(2-Hydroxypropyl)-2-methyl-2-propenamide. *N*-(2-Hydroxypropyl)methacrylamide. HPMA

CAS Registry Number: 21442-01-3

Extra CAS Registry Numbers(s): 144865-46-3

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%

Use/Importance: Monomer for speciality biomedical polymers

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 67-68°

>>Derivative: *N*-Dodecanoyl

Synonym(s): *N*-(2-Hydroxypropyl)dodecanamide, 9CI. Clindrol 102LI. Lauric monoisopropanolamide

CAS Registry Number: 142-54-1

Molecular Formula: C₁₅H₃₁NO₂

Molecular Weight: 257.415

Accurate Mass: 257.235479

Percentage Composition: C 69.99%; H 12.14%; N 5.44%; O 12.43%

Use/Importance: Nonionic surfactant. Foam stabiliser in shampoos, upholstery and carpet cleaners

Physical Description: Cream-coloured waxy solid

Melting Point: Mp 68.2-69.8° (66.5°)

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

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

Synonym(s): 1-(Diethylamino)-2-propanol

CAS Registry Number: 4402-32-8

Molecular Formula: C₇H₁₇NO

Molecular Weight: 131.217

Accurate Mass: 131.131014

Percentage Composition: C 64.07%; H 13.06%; N 10.67%; O 12.19%

Physical Description: Liq.

Boiling Point: Bp 167-172°

Density: d_4^{20} 0.851

Other Data: Opt. active forms also known

Aldrich: D8848-8

>>Derivative: *N*-Cyclohexyl, *O*-benzoyl

Synonym(s): 1-(Cyclohexylamino)-2-propanol benzoate, 9CI. **Hexylcaine**, INN. Osmocaine. D109

CAS Registry Number: 532-77-4

Molecular Formula: C₁₆H₂₃NO₂

Molecular Weight: 261.363

Accurate Mass: 261.172879

Percentage Composition: C 73.53%; H 8.87%; N 5.36%; O 12.24%

Use/Importance: Local anaesthetic

Calculated Log P Data: Log P 3.94 (calc)