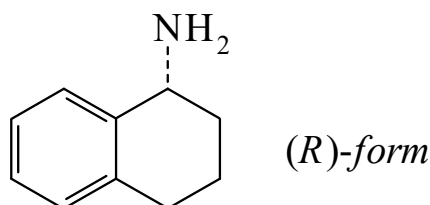




>>Entry Name: 1,2,3,4-Tetrahydro-1-naphthylamine, 8Cl

Synonym(s): 1,2,3,4-Tetrahydro-1-naphthalenamine, 9Cl. 1-Aminotetralin



CAS Registry Number: 2217-40-5

Related CAS Registry Numbers(s): 10409-15-1 23357-49-5 42882-35-9 54982-55-7 57559-71-4

Molecular Formula: C₁₀H₁₃N

Molecular Weight: 147.219

Accurate Mass: 147.104799

Percentage Composition: C 81.59%; H 8.90%; N 9.51%

Aldrich: 24782-0

>>Variant: (*R*)-form

CAS Registry Number: 23357-46-2

Molecular Formula: C₁₀H₁₃N

Molecular Weight: 147.219

Accurate Mass: 147.104799

Percentage Composition: C 81.59%; H 8.90%; N 9.51%

Optical Rotation: $[\alpha]_{\text{D}}^{22} -46$ (c, 5 in C₆H₆)

>>Derivative: *N*-Di-Me

CAS Registry Number: 23357-48-4

Molecular Formula: C₁₂H₁₇N

Molecular Weight: 175.273

Accurate Mass: 175.136099

Percentage Composition: C 82.23%; H 9.78%; N 7.99%

Optical Rotation: $[\alpha]_{\text{D}}^{22} -151.5$ (c, 5 in C₆H₆)

>>Variant: (*S*)-form

CAS Registry Number: 23357-52-0

Molecular Formula: C₁₀H₁₃N

Molecular Weight: 147.219

Accurate Mass: 147.104799

Percentage Composition: C 81.59%; H 8.90%; N 9.51%

Optical Rotation: $[\alpha]_{\text{D}}^{20} +1.6$ (c, 4.4 in EtOH)

>>Derivative: *N*-Me

CAS Registry Number: 49681-43-8

Molecular Formula: C₁₁H₁₅N

Molecular Weight: 161.246

Accurate Mass: 161.120449

Percentage Composition: C 81.94%; H 9.38%; N 8.69%

Boiling Point: Bp_{0.01} 85°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +3.9$ (c, 4.6 in EtOH)

>>Variant: (±)-form

CAS Registry Number: 32908-38-6

Molecular Formula: C₁₀H₁₃N

Molecular Weight: 147.219

Accurate Mass: 147.104799

Percentage Composition: C 81.59%; H 8.90%; N 9.51%

Physical Description: Oil with ammoniacal odour

Boiling Point: Bp₇₁₄ 246.5°. Bp₁₀ 114°

Solubility: Mod. sol. H₂O

Other Data: Strong base