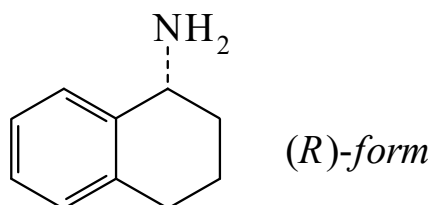




>>Entry Name: 1,2,3,4-Tetrahydro-1-naphthylamine, 8Cl

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: C<sub>10</sub>H<sub>13</sub>N

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: C<sub>10</sub>H<sub>13</sub>N

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 C<sub>6</sub>H<sub>6</sub>)

>>Derivative: N-Di-Me

CAS Registry Number: 23357-48-4

Molecular Formula: C<sub>12</sub>H<sub>17</sub>N

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 C<sub>6</sub>H<sub>6</sub>)

>>Variant: (S)-form

CAS Registry Number: 23357-52-0

Molecular Formula: C<sub>10</sub>H<sub>13</sub>N

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: C<sub>11</sub>H<sub>15</sub>N

Molecular Weight: 161.246

Accurate Mass: 161.120449

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

Boiling Point: Bp<sub>0.01</sub> 85°

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

>>Variant: (±)-form

CAS Registry Number: 32908-38-6

Molecular Formula: C<sub>10</sub>H<sub>13</sub>N

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: Bp<sub>714</sub> 246.5°. Bp<sub>10</sub> 114°

Solubility: Mod. sol. H<sub>2</sub>O

Other Data: Strong base