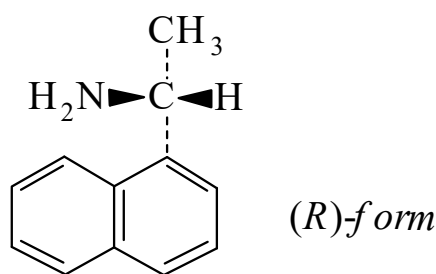




>>Entry Name: 1-(1-Naphthalenyl)ethylamine

Synonym(s): α -Methyl-1-naphthalenemethanamine, 9Cl. 1- α -Aminoethylnaphthalene. 1-Methyl- α -naphthylmethanamine. 1-Amino-1-(1-naphthyl)ethene



CAS Registry Number: 3309-13-5

Molecular Formula: $C_{12}H_{13}N$

Molecular Weight: 171.241

Accurate Mass: 171.104799

Percentage Composition: C 84.17%; H 7.65%; N 8.18%

>>Variant: (R)-form

CAS Registry Number: 3886-70-2

Molecular Formula: $C_{12}H_{13}N$

Molecular Weight: 171.241

Accurate Mass: 171.104799

Percentage Composition: C 84.17%; H 7.65%; N 8.18%

Use/Importance: Used to determine the enantiomeric purity of org. acids

Boiling Point: B_{p11} 153°

Optical Rotation: $[\alpha]_D^{17} + 82.8$. $[\alpha]_D^{19} + 61.6$ (EtOH)

Aldrich: 23744-2

Fluka: 70711

Sigma: N9634

>>Derivative: Oxalate

Melting Point: Mp 240°

>>Variant: (S)-form

CAS Registry Number: 10420-89-0

Molecular Formula: $C_{12}H_{13}N$

Molecular Weight: 171.241

Accurate Mass: 171.104799

Percentage Composition: C 84.17%; H 7.65%; N 8.18%

Use/Importance: Resolving agent

Optical Rotation: $[\alpha]_D^{25} - 80.8$. $[\alpha]_D^{25} - 60.8$ (EtOH)

Aldrich: 23745-0

Fluka: 70713

Sigma: N9509

>>Derivative: Hydrochloride

Physical Description: Cryst. (H₂O)

Optical Rotation: $[\alpha]_D^{18} + 3.9$ (c, 3 in H₂O)

>>Derivative: Oxalate

Melting Point: Mp 232 dec.°

>>Variant: (±)-form

CAS Registry Number: 42882-31-5

Molecular Formula: $C_{12}H_{13}N$

Molecular Weight: 171.241

Accurate Mass: 171.104799

Percentage Composition: C 84.17%; H 7.65%; N 8.18%

Boiling Point: B_{p15} 156°

Aldrich: 29492-6

Fluka: 70715