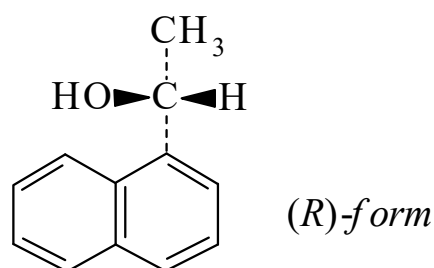




>>Entry Name: 1-(1-Naphthalenyl)ethanol

Synonym(s): α -Methyl-1-naphthalenemethanol, 9CI, 8CI. Methyl-1-naphthylcarbinol. α -Hydroxy-1-ethylnaphthalene



CAS Registry Number: 1517-72-2

Molecular Formula: $C_{12}H_{12}O$

Molecular Weight: 172.226

Accurate Mass: 172.088815

Percentage Composition: C 83.69%; H 7.02%; O 9.29%

>>Variant: (R)-form

CAS Registry Number: 42177-25-3

Molecular Formula: $C_{12}H_{12}O$

Molecular Weight: 172.226

Accurate Mass: 172.088815

Percentage Composition: C 83.69%; H 7.02%; O 9.29%

Optical Rotation: $[\alpha]_D^{25} +82.1$ (c, 1.0 in Et_2O) (100% op)

Aldrich: 37231-5

Fluka: 70692

>>Variant: (S)-form

CAS Registry Number: 15914-84-8

Molecular Formula: $C_{12}H_{12}O$

Molecular Weight: 172.226

Accurate Mass: 172.088815

Percentage Composition: C 83.69%; H 7.02%; O 9.29%

Physical Description: Cryst.

Melting Point: Mp 47° ($43.5-45^\circ$)

Boiling Point: Bp₁₁ 166°

Optical Rotation: $[\alpha]_D^{25} -69.3$ (c, 0.99 in Et_2O)

Aldrich: 37232-3

Fluka: 70693

>>Variant: ($\pm$)-form

CAS Registry Number: 57605-95-5

Molecular Formula: $C_{12}H_{12}O$

Molecular Weight: 172.226

Accurate Mass: 172.088815

Percentage Composition: C 83.69%; H 7.02%; O 9.29%

Physical Description: Cryst. (petrol)

Melting Point: Mp 66°

Boiling Point: Bp₁₅ 178°

Aldrich: 28946-9

Fluka: 70694

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