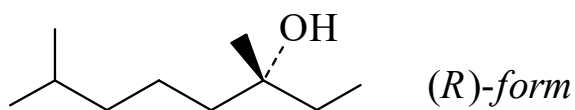




>>Entry Name: 3,7-Dimethyl-3-octanol, 9CI

Synonym(s): Tetrahydrolinalool. 2,6-Dimethyl-6-octanol. FEMA 3060



CAS Registry Number: 78-69-3

Molecular Formula: C₁₀H₂₂O

Molecular Weight: 158.283

Accurate Mass: 158.167065

Percentage Composition: C 75.88%; H 14.01%; O 10.11%

Aldrich: 30991-5

Rare Chemicals Library: S34719-1

>>Variant: (R)-form

CAS Registry Number: 56577-25-4

Molecular Formula: C₁₀H₂₂O

Molecular Weight: 158.283

Accurate Mass: 158.167065

Percentage Composition: C 75.88%; H 14.01%; O 10.11%

Boiling Point: Bp_{2.2} 57°

Optical Rotation: [α]_D +0.96 (c, 15.5 in hexane)

>>Derivative: 4-Nitrobenzoyl

CAS Registry Number: 39998-98-6

Optical Rotation: [α]_D +1.67 (C₆H₆)

>>Variant: (S)-form

Molecular Formula: C₁₀H₂₂O

Molecular Weight: 158.283

Accurate Mass: 158.167065

Percentage Composition: C 75.88%; H 14.01%; O 10.11%

Boiling Point: Bp₅ 54-59.5°

Optical Rotation: [α]_D -0.63 (pentane)

>>Derivative: 4-Nitrobenzoyl

CAS Registry Number: 39999-20-7

Melting Point: Mp 39.5-40°

Optical Rotation: [α]_D¹⁶ -0.93 (c, 26.5 in C₆H₆)

>>Derivative: Ph ether

Molecular Formula: C₁₆H₂₆O

Molecular Weight: 234.381

Accurate Mass: 234.198365

Percentage Composition: C 81.99%; H 11.18%; O 6.83%

Boiling Point: Bp₄ 140-145°

Optical Rotation: [α]_D²⁴ -5.53

>>Variant: (±)-form

CAS Registry Number: 57706-88-4

Type of Compound Code(s): WE2000

Molecular Formula: C₁₀H₂₂O

Molecular Weight: 158.283

Accurate Mass: 158.167065

Percentage Composition: C 75.88%; H 14.01%; O 10.11%

Use/Importance: Perfumery and flavouring ingredient

Physical Description: Liq. with a sweet, oily, floral odour

Boiling Point: Bp₇₁₅ 185-186°