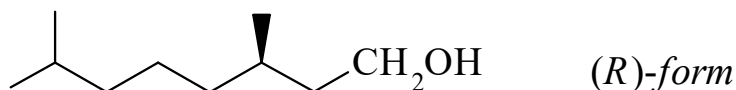




>>Entry Name: 3,7-Dimethyl-1-octanol, 9CI

Synonym(s): Dihydrocitronellol. Tetrahydrogeraniol. Perhydrogeraniol. FEMA 2391



CAS Registry Number: 106-21-8

Molecular Formula: C₁₀H₂₂O

Molecular Weight: 158.283

Accurate Mass: 158.167065

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

Hazard & Toxicity: Skin irritant

Aldrich: 30577-4

Fluka: 41011

>>Variant: (R)-form

CAS Registry Number: 1117-60-8

Type of Compound Code(s): WE1500 VS0100

Molecular Formula: C₁₀H₂₂O

Molecular Weight: 158.283

Accurate Mass: 158.167065

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

Biological Source: Found in essential oil of geranium

Use/Importance: Intermed. in terpene synth., especially α -tocopherol side chains. Also a flavouring and perfumery ingredient

Physical Description: Oil with rose odour and bitter taste

Boiling Point: Bp 212-213°. Bp₁₀ 105-106°

>>Derivative: Ac

Type of Compound Code(s): VS0100 WI5000

Molecular Formula: C₁₂H₂₄O₂

Molecular Weight: 200.32

Accurate Mass: 200.17763

Percentage Composition: C 71.95%; H 12.08%; O 15.97%

Biological Source: Found in essential oil of *Mentha* spp.

Boiling Point: Bp_{0.3} 60-62°

>>Derivative: 4-Methylbenzenesulfonyl

Physical Description: Oil

Boiling Point: Bp_{0.05} 58°

Optical Rotation: $[\alpha]_D +2$ (c, 4.00 in 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: Bp 212-213°. Bp₁₅ 109°

Solubility: Sol. Et₂O

>>Variant: (±)-form

CAS Registry Number: 59204-02-3

Molecular Formula: C₁₀H₂₂O

Molecular Weight: 158.283

Accurate Mass: 158.167065

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

Physical Description: Oil with rose odour and bitter taste

Boiling Point: Bp 212-213°