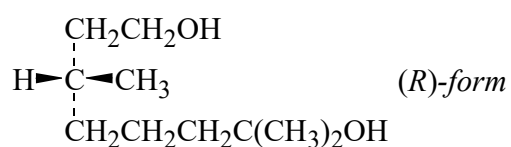




>>Entry Name: 3,7-Dimethyl-1,7-octanediol, 9CI, 8CI

Synonym(s): Hydroxycitronellol



CAS Registry Number: 107-74-4

Related CAS Registry Numbers(s): 98206-63-4

Molecular Formula: C₁₀H₂₂O₂

Molecular Weight: 174.283

Accurate Mass: 174.16198

Percentage Composition: C 68.92%; H 12.72%; O 18.36%

>>Variant: (R)-form

CAS Registry Number: 122612-23-1

Molecular Formula: C₁₀H₂₂O₂

Molecular Weight: 174.283

Accurate Mass: 174.16198

Percentage Composition: C 68.92%; H 12.72%; O 18.36%

Boiling Point: Bp₁₅ 156°

Optical Rotation: [α]_D¹⁰ +1.4

Density: d₄²⁰ 0.935

Refractive Index: n_D²⁰ 1.4610

Other Data: (S)-form also known

>>Variant: (±)-form

Molecular Formula: C₁₀H₂₂O₂

Molecular Weight: 174.283

Accurate Mass: 174.16198

Percentage Composition: C 68.92%; H 12.72%; O 18.36%

Boiling Point: Bp₂ 80-82°

Density: d₄²⁰ 0.934

Refractive Index: n_D²⁵ 1.4354

>>Derivative: 1-Ac

CAS Registry Number: 33730-41-5

Molecular Formula: C₁₂H₂₄O₃

Molecular Weight: 216.32

Accurate Mass: 216.172545

Percentage Composition: C 66.63%; H 11.18%; O 22.19%

Boiling Point: Bp_{0.02} 82-84°

Refractive Index: n_D²⁵ 1.4436

References:

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