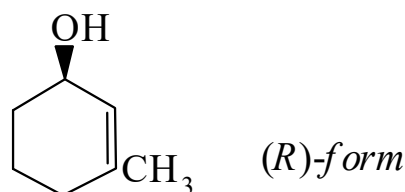




>>Entry Name: 3-Methyl-2-cyclohexen-1-ol, 9CI

Synonym(s): Seudenol



CAS Registry Number: 21378-21-2

Molecular Formula: C₇H₁₂O

Molecular Weight: 112.171

Accurate Mass: 112.088815

Percentage Composition: C 74.95%; H 10.78%; O 14.26%

Aldrich: 19771-8

Sigma: M8760

>>Variant: (R)-form

CAS Registry Number: 18890-22-7

Molecular Formula: C₇H₁₂O

Molecular Weight: 112.171

Accurate Mass: 112.088815

Percentage Composition: C 74.95%; H 10.78%; O 14.26%

Boiling Point: Bp_{20.5} 83-84°

Optical Rotation: [α]_D²⁰ +96 (c, 0.423 in CHCl₃)

>>Variant: (S)-form

CAS Registry Number: 60733-10-0

Molecular Formula: C₇H₁₂O

Molecular Weight: 112.171

Accurate Mass: 112.088815

Percentage Composition: C 74.95%; H 10.78%; O 14.26%

Boiling Point: Bp₂₁ 82.5-83.5°

Optical Rotation: [α]_D²⁰ -96.3 (c, 0.458 in CHCl₃)

>>Variant: (±)-form

CAS Registry Number: 20053-41-2

Molecular Formula: C₇H₁₂O

Molecular Weight: 112.171

Accurate Mass: 112.088815

Percentage Composition: C 74.95%; H 10.78%; O 14.26%

Use/Importance: Aggregation pheromone of *Dendroctonus pseudotsugae*

Boiling Point: Bp₂₈ 90-92°

Density: d₂₅²⁵ 0.951

Refractive Index: n_D²⁵ 1.4738

>>Derivative: 4-Nitrobenzoyl

Physical Description: Cryst. (hexane)

Melting Point: Mp 69-70°

References:

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