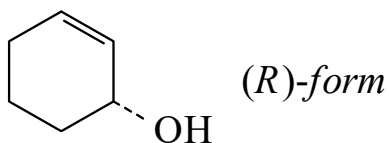




>>Entry Name: 2-Cyclohexen-1-ol, 9CI

Synonym(s): 1,2,3,4-Tetrahydrophenol. 1-Hydroxy-2-cyclohexene



CAS Registry Number: 822-67-3

Molecular Formula: C₆H₁₀O

Molecular Weight: 98.144

Accurate Mass: 98.073165

Percentage Composition: C 73.43%; H 10.27%; O 16.30%

Aldrich: C10265-2

Fluka: 29254

>>Variant: (R)-form

CAS Registry Number: 3413-44-3

Molecular Formula: C₆H₁₀O

Molecular Weight: 98.144

Accurate Mass: 98.073165

Percentage Composition: C 73.43%; H 10.27%; O 16.30%

Boiling Point: Bp₂₂ 73°

Optical Rotation: [α]_D +36.2 (neat). [α]_D +45.3 (calc., 100% op)

Other Data: Not opt. pure

>>Variant: (S)-form

CAS Registry Number: 6426-26-2

Molecular Formula: C₆H₁₀O

Molecular Weight: 98.144

Accurate Mass: 98.073165

Percentage Composition: C 73.43%; H 10.27%; O 16.30%

Boiling Point: Bp₂₃ 75-76°

Optical Rotation: [α]_D -117.1 (c, 0.13 in dry CHCl₃)

Other Data: Not opt. pure

>>Variant: (±)-form

CAS Registry Number: 62860-38-2

Molecular Formula: C₆H₁₀O

Molecular Weight: 98.144

Accurate Mass: 98.073165

Percentage Composition: C 73.43%; H 10.27%; O 16.30%

Boiling Point: Bp 164°. Bp₁₂ 63-65°

>>Derivative: Phenylurethane

Melting Point: Mp 107°

>>Derivative: Ac

CAS Registry Number: 76704-31-9

Extra CAS Registry Numbers(s): 14447-34-8

Molecular Formula: C₈H₁₂O₂

Molecular Weight: 140.182

Accurate Mass: 140.08373

Percentage Composition: C 68.55%; H 8.63%; O 22.83%

Boiling Point: Bp₁₂ 68-71°

>>Derivative: 3,5-Dinitrobenzoyl

Melting Point: Mp 120.5°