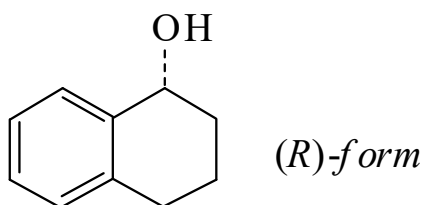




>>Entry Name: 1,2,3,4-Tetrahydro-1-naphthol, 8Cl

Synonym(s): 1,2,3,4-Tetrahydro-1-naphthalenol, 9Cl. 1-Hydroxytetralin. 1-Tetralol



CAS Registry Number: 529-33-9

Related CAS Registry Numbers(s): 21503-12-8 23357-51-9 65915-64-2

Molecular Formula: C₁₀H₁₂O

Molecular Weight: 148.204

Accurate Mass: 148.088815

Percentage Composition: C 81.04%; H 8.16%; O 10.80%

Hazard & Toxicity: Eye and skin irritant. LD₅₀ (rat, orl) 1620 mg/kg

Aldrich: 12240-8

Fluka: 87650

Sigma: T9391

>>Variant: (R)-form

CAS Registry Number: 23357-45-1

Molecular Formula: C₁₀H₁₂O

Molecular Weight: 148.204

Accurate Mass: 148.088815

Percentage Composition: C 81.04%; H 8.16%; O 10.80%

Optical Rotation: $[\alpha]_D^{22} -26.5$ (c, 5.1 in C₆H₆)

Aldrich: 25628-5

Fluka: 87648

Sigma: T2525

>>Derivative: Ac

Molecular Formula: C₁₂H₁₄O₂

Molecular Weight: 190.241

Accurate Mass: 190.09938

Percentage Composition: C 75.76%; H 7.42%; O 16.82%

Physical Description: Liq.

Boiling Point: Bp_{0.4} 84°

Optical Rotation: $[\alpha]_D +98$ (c, 4.4 in CHCl₃)

>>Variant: (S)-form

CAS Registry Number: 53732-47-1

Molecular Formula: C₁₀H₁₂O

Molecular Weight: 148.204

Accurate Mass: 148.088815

Percentage Composition: C 81.04%; H 8.16%; O 10.80%

Physical Description: Pale yellow oil

Boiling Point: Bp₂₅ 155-160°

Optical Rotation: $[\alpha]_D^{17} +32.7$ (c, 10.7 in CHCl₃)

Aldrich: 25629-3

Fluka: 87649

Sigma: T2650

>>Variant: (±)-form

Molecular Formula: C₁₀H₁₂O

Molecular Weight: 148.204

Accurate Mass: 148.088815

Percentage Composition: C 81.04%; H 8.16%; O 10.80%

Physical Description: Oil

Boiling Point: Bp 264°. Bp₂ 102-104°