



>>Entry Name: 5,6,7,8-Tetrahydro-1-naphthol, 8Cl

Synonym(s): 5,6,7,8-Tetrahydro-1-naphthalenol, 9Cl. 5-Hydroxytetralin. *ar*-1-Tetralol

CAS Registry Number: 529-35-1

Molecular Formula: C₁₀H₁₂O

Molecular Weight: 148.204

Accurate Mass: 148.088815

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

Physical Description: Cryst. (petrol) with strong phenolic odour

Melting Point: Mp 69-71°

Boiling Point: Bp 264.5-265°

pKa Value: pK_a 10.28 (25°)

Aldrich: T1340-4

>>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: Cryst.

Melting Point: Mp 73-75°

>>Derivative: Benzoyl

Molecular Formula: C₁₇H₁₆O₂

Molecular Weight: 252.312

Accurate Mass: 252.11503

Percentage Composition: C 80.93%; H 6.39%; O 12.68%

Melting Point: Mp 46°

>>Derivative: Et ether

Synonym(s): 5-Ethoxy-1,2,3,4-tetrahydronaphthalene

Molecular Formula: C₁₂H₁₆O

Molecular Weight: 176.258

Accurate Mass: 176.120115

Percentage Composition: C 81.77%; H 9.15%; O 9.08%

Boiling Point: Bp₇₀₅ 259°

References:

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