



>>Entry Name: 1,2,3,4-Tetrahydro-8-quinolinol, 9CI

Synonym(s): 1,2,3,4-Tetrahydro-8-hydroxyquinoline

CAS Registry Number: 6640-50-2

Molecular Formula: C₉H₁₁NO

Molecular Weight: 149.192

Accurate Mass: 149.084064

Percentage Composition: C 72.46%; H 7.43%; N 9.39%; O 10.72%

Physical Description: Prisms (C₆H₆)

Melting Point: Mp 122.5 subl.°

Solubility: Mod. sol. hot H₂O

pKa Value: pK_{a1} 5.5; pK_{a2} 9.4 (20°)

>>Derivative: N-Me

Synonym(s): 1,2,3,4-Tetrahydro-8-hydroxy-1-methylquinoline. Kairine

CAS Registry Number: 5080-60-4

Molecular Formula: C₁₀H₁₃NO

Molecular Weight: 163.219

Accurate Mass: 163.099714

Percentage Composition: C 73.59%; H 8.03%; N 8.58%; O 9.80%

Use/Importance: Formerly used as antipyretic

Boiling Point: Bp 278-282°

Solubility: Spar. sol. H₂O

>>Derivative: Et ether

Synonym(s): 8-Ethoxy-1,2,3,4-tetrahydroquinoline

Molecular Formula: C₁₁H₁₅NO

Molecular Weight: 177.246

Accurate Mass: 177.115364

Percentage Composition: C 74.54%; H 8.53%; N 7.90%; O 9.03%

Physical Description: Liq.

Boiling Point: Bp₇₁₆ 275-276°

>>Derivative: N,O-Di-Me

Synonym(s): 1,2,3,4-Tetrahydro-8-methoxy-1-methylquinoline

Molecular Formula: C₁₁H₁₅NO

Molecular Weight: 177.246

Accurate Mass: 177.115364

Percentage Composition: C 74.54%; H 8.53%; N 7.90%; O 9.03%

Boiling Point: Bp 270°

Solubility: Spar. sol. H₂O

References:

Bourquin, J.P. *et al.*, *Arch. Pharm. (Weinheim, Ger.)*, 1962, **295**, 383, (*synth*)