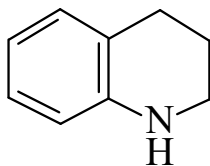




>>Entry Name: 1,2,3,4-Tetrahydroquinoline



CAS Registry Number: 635-46-1

Extra CAS Registry Numbers(s): 25448-04-8

Molecular Formula: C₉H₁₁N

Molecular Weight: 133.193

Accurate Mass: 133.089149

Percentage Composition: C 81.16%; H 8.32%; N 10.52%

Boiling Point: Bp₇₅₅ 249-250°

Aldrich: T1550-4

Fluka: 87350

>>Derivative: Hydrochloride

CAS Registry Number: 2739-17-5

Physical Description: Prisms (EtOH)

Melting Point: Mp 180-181°

pKa Value: pK_a 5.03

>>Derivative: Picrate

Melting Point: Mp 142-143°

>>Derivative: *N*-Ac

CAS Registry Number: 4169-19-1

Molecular Formula: C₁₁H₁₃NO

Molecular Weight: 175.23

Accurate Mass: 175.099714

Percentage Composition: C 75.40%; H 7.48%; N 7.99%; O 9.13%

Boiling Point: Bp 295°

>>Derivative: *N*-Me

Synonym(s): 1,2,3,4-Tetrahydro-1-methylquinoline. **Kairoline**

CAS Registry Number: 491-34-9

Molecular Formula: C₁₀H₁₃N

Molecular Weight: 147.219

Accurate Mass: 147.104799

Percentage Composition: C 81.59%; H 8.90%; N 9.51%

Use/Importance: Has antipyretic activity

Physical Description: Liq.

Boiling Point: Bp 247-250°. Bp₈ 112°

Density: d₄²⁰ 1.02

>>Derivative: *N*-Me; hydrochloride

CAS Registry Number: 19999-67-8

Melting Point: Mp 100°

>>Derivative: *N*-Me, picrate

CAS Registry Number: 15207-51-9

Melting Point: Mp 144°

>>Derivative: *N*-Me; methiodide

Melting Point: Mp 172-174°