



>>Entry Name: 2,4-Dimethylquinoline, 9CI

CAS Registry Number: 1198-37-4

Structure by analogy with 2,3-Dimethylquinoline, [FWW59-C](#)

Molecular Formula: C₁₁H₁₁N

Molecular Weight: 157.215

Accurate Mass: 157.089149

Percentage Composition: C 84.04%; H 7.05%; N 8.91%

Boiling Point: Bp 264-265°. Bp₁₅ 143°

Solubility: Sl. sol. H₂O, v. sol. EtOH, Et₂O

Density: d¹⁵ 1.0611

pKa Value: pK_a 5.12 (25°)

Hazard & Toxicity: Fl. p. >66°

Aldrich: D18440-3

>>Derivative: Picrate

Physical Description: Bright yellow plates (MeOH)

Melting Point: Mp 196°

>>Derivative: Methiodide

Melting Point: Mp 263-265°

>>Derivative: Ethiodide

Physical Description: Yellow needles

Melting Point: Mp 214°

>>Derivative: 5,6,7,8-Tetrahydro

see 5,6,7,8-Tetrahydro-2,4-dimethylquinoline, [BMF08-V](#)

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 423C, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 854B, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1566C, (*ir*)

Manske, R.H.F. *et al.*, *Can. J. Res., Sect. B*, 1942, **20**, 133, (*synth*)

Karr, C. *et al.*, *J.A.C.S.*, 1959, **81**, 152, (*ir*)

Draper, P.M. *et al.*, *Can. J. Chem.*, 1968, **49**, 1487, (*ms*)