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

CAS Registry Number: 1198-37-4
Structure by analogy with 2,3-Dimethylquinoline, FWW59-C

Molecular Formula: $C_{11}H_{11}N$
Molecular Weight: 157.215
Accurate Mass: 157.089149
Percentage Composition: C 84.04%; H 7.05%; N 8.91%
Boiling Point: Bp 264-265°. Bp_{15} 143°
Solubility: Sl. sol. H_2O, v. sol. EtOH, Et_2O
Density: d^{15} 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)*