



>>Entry Name: 4-Methylquinazoline, 9Cl



CAS Registry Number: 700-46-9

Molecular Formula: C₉H₈N₂

Molecular Weight: 144.176

Accurate Mass: 144.068748

Percentage Composition: C 74.98%; H 5.59%; N 19.43%

Biological Source: Alkaloid prod. by the bacteria *Pseudomonas aeruginosa*, *Sarcina lutea* and (in trace amounts) *Pseudomonas fluorescens* and *Pseudomonas putida*

Physical Description: Pale-yellow prisms

Melting Point: Mp 36-37°

Boiling Point: Bp 260°. Bp_{0.15} 78°

pKa Value: pK_{a1} 2.35; pK_{a2} -4.4 (20°, H₂SO₄ aq.)

>>Derivative: Picrate

Physical Description: Yellow-green flakes (EtOH)

Melting Point: Mp 182-183.5°

References:

Bogert, M.T. *et al.*, *J.A.C.S.*, 1924, **46**, 1702; 1932, (*synth*)

Elderfield, R.C. *et al.*, *J.O.C.*, 1951, **16**, 1669, (*synth*)

Schofield, K. *et al.*, *J.C.S.*, 1952, 1924, (*synth*)

Mann, S., *Arch. Mikrobiol.*, 1967, **56**, 324

Batterham, T.J. *et al.*, *J.C.S.(B)*, 1967, 892, (*ms*)

Kant, J. *et al.*, *J. Het. Chem.*, 1985, **22**, 1313, (*synth*)

Uff, B.C. *et al.*, *J.C.S. Perkin 1*, 1986, 2295, (*synth*, *pmr*)