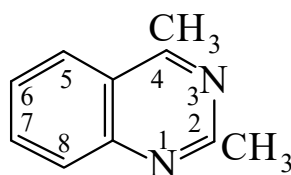




>>Entry Name: 2,4-Dimethylquinazoline, 9Cl



CAS Registry Number: 703-63-9

Type of Compound Code(s): VX1600

Molecular Formula: C₁₀H₁₀N₂

Molecular Weight: 158.202

Accurate Mass: 158.084398

Percentage Composition: C 75.92%; H 6.37%; N 17.71%

Biological Source: Metab. of the bacterium *Pseudomonas aeruginosa*

Physical Description: Cryst. + 2H₂O

Melting Point: Mp 72°

Boiling Point: Bp₇₁₃ 249°

pKa Value: pK_a 3.58 (20°)

>>Derivative: Picrate

Physical Description: Yellow cryst. (EtOH aq.)

Melting Point: Mp 170 dec.°

>>Derivative: 1-Oxide

CAS Registry Number: 37920-81-3

Molecular Formula: C₁₀H₁₀N₂O

Molecular Weight: 174.202

Accurate Mass: 174.079313

Percentage Composition: C 68.95%; H 5.79%; N 16.08%; O 9.18%

Melting Point: Mp 103°

References:

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

Kövendi, A. *et al.*, *Chem. Ber.*, 1965, **98**, 1049, (*synth*)

Mann, S. *et al.*, *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*)