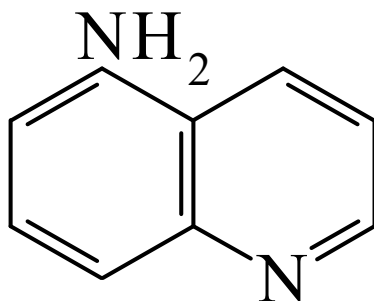




>>Entry Name: 5-Aminoquinoline

Synonym(s): 5-Quinolinamine, 9Cl. 5-Quinolylamine



CAS Registry Number: 611-34-7

Molecular Formula: C₉H₈N₂

Molecular Weight: 144.176

Accurate Mass: 144.068748

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

Physical Description: Cryst. (EtOH)

Melting Point: Mp 110°

Boiling Point: Bp 310°. Bp₁₀ 184°

pKa Value: pK_a 5.42 (20°)

Aldrich: A7920-5

Fluka: 7340

>>Derivative: 5-*N*-Ac

CAS Registry Number: 42464-80-2

Molecular Formula: C₁₁H₁₀N₂O

Molecular Weight: 186.213

Accurate Mass: 186.079313

Percentage Composition: C 70.95%; H 5.41%; N 15.04%; O 8.59%

Melting Point: Mp 178°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 436C, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 863B, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1571A, (*ir*)

Angyal, S.J. *et al.*, *J.C.S.*, 1952, 1461, (*tautom*)

Haug, U. *et al.*, *Chem. Ber.*, 1960, **93**, 593, (*synth*)

Akita, Y. *et al.*, *Synthesis*, 1977, 792, (*synth*)