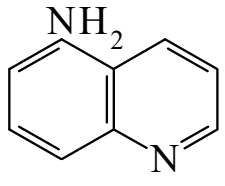
>>**Entry Name: 5-Aminoquinoline**
**Synonym(s):** 5-Quinolinamine, 9CI. 5-Quinolylamine



**CAS Registry Number:** 611-34-7

**Molecular Formula:** $C_9H_8N_2$
**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°. $Bp_{10}$ 184°
**pKa Value:** p$K_a$ 5.42 (20°)

**Aldrich:** A7920-5
**Fluka:** 7340

>>**Derivative:** 5-*N*-Ac

**CAS Registry Number:** 42464-80-2
**Molecular Formula:** $C_{11}H_{10}N_2O$
**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)*
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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)*