>>**Entry Name: 5-Aminoisoquinoline**
Synonym(s): 5-Isoquinolinamine, 9CI

CAS Registry Number: 1125-60-6

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: Pale-yellow cryst. (petrol)
Melting Point: Mp 128°
pKa Value: pK_a 5.57 (20°)

Aldrich: 13610-7

>>**Derivative:** Hydrochloride

Melting Point: Mp 270° (220° dec.)

>>**Derivative:** Methiodide

Physical Description: Yellow cryst. (EtOH)
Melting Point: Mp 228°

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

CAS Registry Number: 27461-33-2
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 166°

>>**Derivative:** *N*-Benzoyl

Molecular Formula: $C_{16}H_{12}N_2O$
Molecular Weight: 248.284
Accurate Mass: 248.094963
Percentage Composition: C 77.40%; H 4.87%; N 11.28%; O 6.44%
Melting Point: Mp 158-159°

References:

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Ochiai, E. *et al.*, *Yakugaku Zasshi*, 1953, **73**, 666; *CA*, **48**, 7014, *(synth)*
Joseph, P.K. *et al.*, *J. Med. Chem.*, 1964, **7**, 801, *(synth)*
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