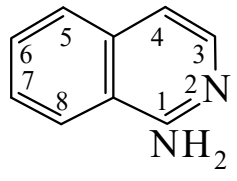
>>**Entry Name: 1-Aminoisoquinoline**
Synonym(s): 1-Isoquinolinamine, 9CI



CAS Registry Number: 1532-84-9

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: Plates (H_2O)
Melting Point: Mp 122-123°
Solubility: Sol. EtOH, spar. sol. Et_2O
pKa Value: pK_a 7.59 (20°)

Aldrich: 17859-4
Rare Chemicals Library: S45383-8

>>**Derivative:** Hydrochloride

Melting Point: Mp 233°

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

CAS Registry Number: 51640-00-7
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 148-148.5°

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

CAS Registry Number: 33357-47-0
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 223.5-224.5°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 458C, *(nmr)*
Aldrich Library of Infrared Spectra, 3rd edn., 1981, 1402E, *(ir)*
Craig, J.J. *et al.*, *J.A.C.S.*, 1942, **64**, 783-784, *(N-Ac)*
Hayashi, B. *et al.*, *Yakugaku Zasshi*, 1967, **87**, 1342-1345; *CA*, **69**, 2847e
Nuvole, A. *et al.*, *J. Het. Chem.*, 1978, **15**, 1513-1514, *(synth)*