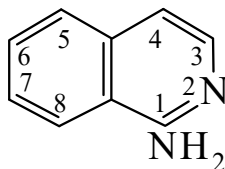




>>Entry Name: 1-Aminoisoquinoline

Synonym(s): 1-Isoquinolinamine, 9CI



CAS Registry Number: 1532-84-9

Molecular Formula: C₉H₈N₂

Molecular Weight: 144.176

Accurate Mass: 144.068748

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

Physical Description: Plates (H₂O)

Melting Point: Mp 122-123°

Solubility: Sol. EtOH, spar. sol. Et₂O

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: 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 148-148.5°

>>Derivative: N-Benzoyl

CAS Registry Number: 33357-47-0

Molecular Formula: C₁₆H₁₂N₂O

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:

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Hayashi, B. *et al.*, *Yakugaku Zasshi*, 1967, **87**, 1342-1345; *CA*, **69**, 2847e

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