



>>Entry Name: 4-Aminoisoquinoline

Synonym(s): 4-Isoquinolinamine, 9CI

CAS Registry Number: 23687-25-4

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%

Melting Point: Mp 108°

pKa Value: pK_a 6.26 (20°)

>>Derivative: 4-*N*-Ac

CAS Registry Number: 136849-93-9

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 167-168°

>>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 188-189°

References:

Craig, J.J. *et al.*, *J.A.C.S.*, 1942, **64**, 783-784, (*synth, derivs*)

Bakke, J.H. *et al.*, *J. Het. Chem.*, 2001, **38**, 99-104, (*synth, ir, pmr*)