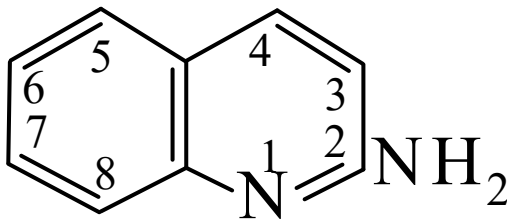




>>Entry Name: 2-Aminoquinoline

ENTRY UNDER REVIEW

Synonym(s): 2-Quinolinamine, 9Cl. α -Aminoquinoline



CAS Registry Number: 580-22-3

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%

Biological Source: Alkaloid from the mushroom *Leucopaxillus aebissimus* var. *paradoxus* form *albiformis* (Agaricaceae)

Use/Importance: Possesses antibacterial, protease inhibitory, mutagenic, antitumour and anthelmintic activity. Also inhibits the growth of certain soil microorganisms

Physical Description: Cryst. (H_2O)

Melting Point: Mp 131.5-132.5° (129°)

Solubility: BERDY SOL: Sol. MeOH, $CHCl_3$; poorly sol. hexane

pKa Value: pK_a 7.3 (20°)

Rare Chemicals Library: S41332-1

>>Derivative: Picrate

Melting Point: Mp 266-267°

>>Derivative: Methochloride

Physical Description: Cryst. + $1H_2O$

Melting Point: Mp 268°

>>Derivative: Methiodide

Physical Description: Cryst. (H_2O)

Melting Point: Mp 247°

>>Derivative: *N*-Ac

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 88-90°

>>Derivative: *N*-Ac; methiodide

Melting Point: Mp 213°

>>Derivative: *N*-Ph

Synonym(s): 2-Anilinoquinoline

CAS Registry Number: 5468-85-9

Molecular Formula: $C_{15}H_{12}N_2$

Molecular Weight: 220.273

Accurate Mass: 220.100048

Percentage Composition: C 81.79%; H 5.49%; N 12.72%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 98°