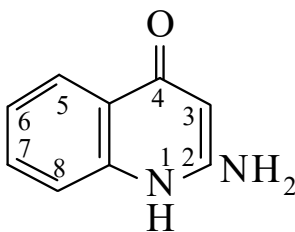




>>Entry Name: **2-Amino-4-hydroxyquinoline**

Synonym(s): 2-Amino-4(1*H*)-quinolinone. 2-Amino-4-quinolinol, 9Cl



CAS Registry Number: 42712-64-1

Molecular Formula: C₉H₈N₂O

Molecular Weight: 160.175

Accurate Mass: 160.063663

Percentage Composition: C 67.49%; H 5.03%; N 17.49%; O 9.99%

Physical Description: Needles + 1H₂O (H₂O), prisms (EtOH)

Melting Point: Mp 305-307° (303-304°)

Solubility: Sol. HCl, alkalis; spar. sol. EtOH

>>Derivative: *N*(2)-Ac

Molecular Formula: C₁₁H₁₀N₂O₂

Molecular Weight: 202.212

Accurate Mass: 202.074228

Percentage Composition: C 65.34%; H 4.98%; N 13.85%; O 15.82%

Melting Point: Mp 302-303 dec.°

>>Variant: *OH*-form

Molecular Formula: C₉H₈N₂O

Molecular Weight: 160.175

Accurate Mass: 160.063663

Percentage Composition: C 67.49%; H 5.03%; N 17.49%; O 9.99%

>>Derivative: Me ether

Synonym(s): 4-Methoxy-2-quinolinamine, 9Cl. 2-Amino-4-methoxyquinoline

CAS Registry Number: 42712-65-2

Molecular Formula: C₁₀H₁₀N₂O

Molecular Weight: 174.202

Accurate Mass: 174.079313

Percentage Composition: C 68.95%; H 5.79%; N 16.08%; O 9.18%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 189-190.5° (250°)

>>Derivative: Et ether

Synonym(s): 4-Ethoxy-2-quinolinamine. 2-Amino-4-ethoxyquinoline

CAS Registry Number: 52176-31-5

Molecular Formula: C₁₁H₁₂N₂O

Molecular Weight: 188.229

Accurate Mass: 188.094963

Percentage Composition: C 70.19%; H 6.43%; N 14.88%; O 8.50%

Melting Point: Mp 164-165°

References:

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