



>>Entry Name: 8-Amino-6-hydroxyquinoline

Synonym(s): 8-Amino-6-quinolinol

CAS Registry Number: 7402-16-6

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%

Melting Point: Mp 185°

>>Derivative: Me ether

Synonym(s): 8-Amino-6-methoxyquinoline. Amichin

CAS Registry Number: 90-52-8

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: Antipyretic

Melting Point: Mp 41°

Boiling Point: Bp₁ 137-138°

Hazard & Toxicity: LD₅₀ (mus, ipr) 25 mg/kg

>>Derivative: Me ether; hydrochloride

Melting Point: Mp 228°

>>Derivative: Et ether

Synonym(s): 8-Amino-6-ethoxyquinoline

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 60°

Boiling Point: Bp₁ 144-145°

References:

Matheus, J., *Ber.*, 1888, **21**, 1645; 1887

U.S. Pat., 1928, 1 703 365; *CA*, **23**, 1995