



>>Entry Name: 3-Amino-2-methylquinoline

Synonym(s): 2-Methyl-3-quinolinamine, 9Cl. 3-Aminoquinaldine

CAS Registry Number: 21352-22-7

Molecular Formula: C₁₀H₁₀N₂

Molecular Weight: 158.202

Accurate Mass: 158.084398

Percentage Composition: C 75.92%; H 6.37%; N 17.71%

Physical Description: Yellow cryst. (Et₂O or petrol)

Melting Point: Mp 159-160°

Boiling Point: Bp 270°. Bp₁₆ 198°

Other Data: Acid solns. fluoresce

>>Derivative: *N*-Formyl

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%

Physical Description: Cryst. (H₂O or C₆H₆)

Melting Point: Mp 163°

>>Derivative: *N*-Ac

CAS Registry Number: 21352-23-8

Molecular Formula: C₁₂H₁₂N₂O

Molecular Weight: 200.24

Accurate Mass: 200.094963

Percentage Composition: C 71.98%; H 6.04%; N 13.99%; O 7.99%

Physical Description: Cryst. (Et₂O or C₆H₆)

Melting Point: Mp 165°

>>Derivative: *N*-Ac; methiodide

Melting Point: Mp 241 dec.°

>>Derivative: *N*-Benzoyl

CAS Registry Number: 65246-72-2

Molecular Formula: C₁₇H₁₄N₂O

Molecular Weight: 262.31

Accurate Mass: 262.110613

Percentage Composition: C 77.84%; H 5.38%; N 10.68%; O 6.10%

Physical Description: Cryst. (Me₂CO or EtOAc)

Melting Point: Mp 161°

References:

Stork, O., *Ber.*, 1907, **40**, 3425, (*synth*)

Dornow, A. *et al.*, *Annalen*, 1957, **602**, 14