



>>Entry Name: 4-Amino-2-methylquinoline

Synonym(s): 2-Methyl-4-quinolinamine, 9Cl. 4-Aminoquinaldine

CAS Registry Number: 6628-04-2

Molecular Formula: $C_{10}H_{10}N_2$

Molecular Weight: 158.202

Accurate Mass: 158.084398

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

Physical Description: Cryst. C_6H_6 /petrol

Melting Point: Mp 169-170°

Boiling Point: Bp 333°

pKa Value: pK_a 9.42 (20°)

Aldrich: A7900-0

Fluka: 7330

>>Derivative: Hydrochloride

Melting Point: Mp 346-347 dec.°

>>Derivative: *N*-Ac

CAS Registry Number: 52101-48-1

Molecular Formula: $C_{12}H_{12}N_2O$

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. (C_6H_6)

Melting Point: Mp 162-164°

>>Derivative: *N*-Phenyl

Synonym(s): 4-Anilinoquinaldine

CAS Registry Number: 51336-03-9

Molecular Formula: $C_{16}H_{14}N_2$

Molecular Weight: 234.3

Accurate Mass: 234.115698

Percentage Composition: C 82.02%; H 6.02%; N 11.96%

Melting Point: Mp 250-251°

References:

Aldrich Library of ^{13}C and 1H FT NMR Spectra, 1992, **3**, 437C, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 863C, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1571C, (*ir*)

Austin, W.G. *et al.*, *J.C.S.*, 1958, 1489

Moore, J.A. *et al.*, *Tet. Lett.*, 1963, 1277