



>>Entry Name: 7-Aminoquinoline

Synonym(s): 7-Quinolinamine, 9Cl. 7-Quinolylamine

CAS Registry Number: 580-19-8

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%

Physical Description: Yellow cryst. + H_2O

Melting Point: Mp 73.5°. Mp 93.5-94° (anhyd.)

pKa Value: pK_a 6.61 (20°)

Other Data: Fluor. in soln.

>>Derivative: 7-*N*-Ac

CAS Registry Number: 36164-42-8

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 167.5°

>>Derivative: 7-*N*-Benzoyl

Molecular Formula: $C_{16}H_{12}N_2O$

Molecular Weight: 248.284

Accurate Mass: 248.094963

Percentage Composition: C 77.40%; H 4.87%; N 11.28%; O 6.44%

Melting Point: Mp 189°

>>Derivative: 7-*N*-Tosyl

Melting Point: Mp 184-185°

References:

Hamer, F.M., *J.C.S.*, 1921, **119**, 1436

Kocharska, L. *et al.*, *Ber.*, 1936, **69**, 1807

Linsken, F. *et al.*, *J.A.C.S.*, 1946, **68**, 149, (*synth*)