



>>Entry Name: 7-Chloro-4-hydroxyquinoline

Synonym(s): 7-Chloro-4-quinolinol. 7-Chloro-4(1*H*)-quinolinone

CAS Registry Number: 86-99-7

Molecular Formula: C₉H₆ClNO

Molecular Weight: 179.605

Accurate Mass: 179.013791

Percentage Composition: C 60.19%; H 3.37%; Cl 19.74%; N 7.80%; O 8.91%

Melting Point: Mp 272°

Aldrich: 10553-8

Rare Chemicals Library: S41143-4

>>Variant: *NH*-form

Molecular Formula: C₉H₆ClNO

Molecular Weight: 179.605

Accurate Mass: 179.013791

Percentage Composition: C 60.19%; H 3.37%; Cl 19.74%; N 7.80%; O 8.91%

>>Derivative: *N*-Me

Synonym(s): 7-Chloro-1-methyl-4(1*H*)-quinolinone

CAS Registry Number: 103027-56-1

Molecular Formula: C₁₀H₈ClNO

Molecular Weight: 193.632

Accurate Mass: 193.029441

Percentage Composition: C 62.03%; H 4.16%; Cl 18.31%; N 7.23%; O 8.26%

Melting Point: Mp 225-227°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 431A, (*nmr*)

Aldrich Library of Infrared Spectra, 3rd edn., 1981, 1387H, (*ir*)

Price, C.C. *et al.*, *J.A.C.S.*, 1946, **68**, 1204, (*synth*)

Griera, R. *et al.*, *Synth. Commun.*, 1995, **25**, 2507, (*N-Me*)