



>>Entry Name: 4,6-Dichloroquinoline, 9Cl

CAS Registry Number: 4203-18-3

Molecular Formula: C₉H₅Cl₂N

Molecular Weight: 198.051

Accurate Mass: 196.979903

Percentage Composition: C 54.58%; H 2.54%; Cl 35.80%; N 7.07%

Physical Description: Cryst. (petrol or MeOH)

Melting Point: Mp 106°

Solubility: Sol. Et₂O, EtOH

pKa Value: pK_a 2.81 (25°)

>>Derivative: N-Oxide

Molecular Formula: C₉H₅Cl₂NO

Molecular Weight: 214.05

Accurate Mass: 212.974818

Percentage Composition: C 50.50%; H 2.35%; Cl 33.13%; N 6.54%; O 7.47%

Melting Point: Mp 183-185°

References:

Bachman, G.B. *et al.*, *J.O.C.*, 1944, **9**, 302-309, (*synth*)

Tarbell, D.S., *J.A.C.S.*, 1946, **68**, 1277-1278, (*synth*)

Hayashi, E., *Yakugaku Zasshi*, 1951, **71**, 297; *CA*, **46**, 4542i, (*N-oxide*)

Fr. Pat., 1968, 1 514 280; *CA*, **70**, 68195t, (*synth*)