



>>Entry Name: 4-Chloro-6-methylquinoline, 8Cl

CAS Registry Number: 18436-71-0

Molecular Formula: C₁₀H₈ClN

Molecular Weight: 177.633

Accurate Mass: 177.034526

Percentage Composition: C 67.62%; H 4.54%; Cl 19.96%; N 7.89%

Melting Point: Mp 53.5-54°

Boiling Point: Bp_{9,5} 140-142°

pKa Value: pK_a 3.96 (25°)

>>Derivative: N-Oxide

CAS Registry Number: 16561-31-2

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%

Use/Importance: Fungicide

Physical Description: Yellow cryst.

Melting Point: Mp 141°

>>Derivative: Hydrochloride

Melting Point: Mp 102-103°

References:

Burckhalter, J.H. *et al.*, *J.A.C.S.*, 1948, **70**, 1363, (*rep*)

Baciocchi, E. *et al.*, *CA*, 1958, **52**, 6349, (*synth*)

Profft, E. *et al.*, *CA*, 1961, **55**, 10442; 1616, (*synth*)

Buchman, G., *CA*, 1963, **59**, 4492

Whyman, R. *et al.*, *J.A.C.S.*, 1967, **89**, 3135, (*ir*)

Renault, S. *et al.*, *Eur. J. Med. Chem. (Chim. Ther.)*, 1976, **11**, 547, (*use*)