



>>Entry Name: 4-Chloro-2-methylquinoline, 9Cl

Synonym(s): 4-Chloroquinaldine, 8Cl

CAS Registry Number: 4295-06-1

Molecular Formula: C<sub>10</sub>H<sub>8</sub>ClN

Molecular Weight: 177.633

Accurate Mass: 177.034526

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

Use/Importance: Fungicide

Melting Point: Mp 42-43°

Boiling Point: Bp 265-270°. Bp<sub>0.7</sub> 83°

Solubility: Spar. sol. H<sub>2</sub>O

Aldrich: 15023-1

>>Derivative: Picrate

Melting Point: Mp 178°

>>Derivative: Methiodide

Physical Description: Yellow cryst.

Melting Point: Mp 212 dec.°

>>Derivative: N-Oxide

CAS Registry Number: 41037-32-5

Molecular Formula: C<sub>10</sub>H<sub>8</sub>ClNO

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 135°

#### References:

*Aldrich Library of 13C and 1H FT NMR Spectra*, 1992, **3**, 427C, (*nmr*)

*Aldrich Library of FT-IR Spectra, 1st edn.*, 1985, **2**, 857A, (*ir*)

*Aldrich Library of FT-IR Spectra: Vapor Phase*, 1989, **3**, 1568C, (*ir*)

Buchman, G., *CA*, 1962, **57**, 16760, (*use*)

Schaefer, J.P. *et al.*, *J. Het. Chem.*, 1970, **7**, 607, (*synth*)

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

Weissenfels, M. *et al.*, *Z. Chem.*, 1978, **18**, 138, (*synth*)