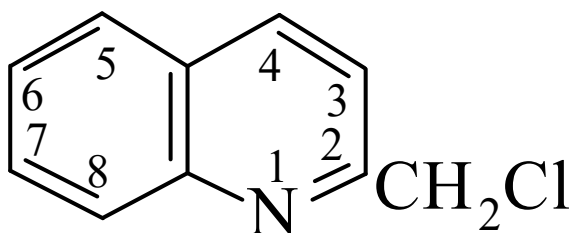




>>Entry Name: 2-Chloromethylquinoline, 9Cl



CAS Registry Number: 4377-41-7

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%

Physical Description: Pale yellow-brown needles (petrol)

Melting Point: Mp 53-54°

Rare Chemicals Library: S54282-2

>>Derivative: Hydrochloride

CAS Registry Number: 3747-74-8

Melting Point: Mp 190-192°

Aldrich: C5710-3

Fluka: 25115

>>Derivative: Picrate

Melting Point: Mp 171-172°

>>Derivative: N-Oxide

CAS Registry Number: 76253-74-2

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

Melting Point: Mp 125-126°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 426A, (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 856A, (ir)

Masaru, H., *Yakugaku Zasshi*, 1953, **73**, 1326; *CA*, **49**, 329, (synth)

Carelli, V. *et al.*, *Ann. Chim. (Rome)*, 1959, **49**, 709; *CA*, **53**, 21954, (synth)

Eiji, O. *et al.*, *CA*, 1960, **54**, 18526, (synth)

Tanida, H., *CA*, 1962, **57**, 3420, (synth)

Mathes, W. *et al.*, *Angew. Chem.*, 1963, **75**, 235, (synth)

Wieczorek, J.S. *et al.*, *CA*, 1973, **77**, 126354

Jeromin, G.E. *et al.*, *Chem. Ber.*, 1987, **120**, 649, (synth, pmr)

White, J.D. *et al.*, *J.O.C.*, 1993, **58**, 3466, (synth)