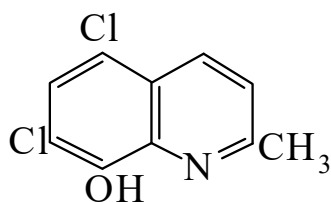




>>Entry Name: 5,7-Dichloro-8-hydroxy-2-methylquinoline

Synonym(s): 5,7-Dichloro-2-methyl-8-quinolinol, 9Cl, 8Cl. **Chlorquinaldol**, BAN, INN. Steroxin. Sterosan. Sitosteran. Many other names



CAS Registry Number: 72-80-0

Molecular Formula: C₁₀H₇Cl₂NO

Molecular Weight: 228.077

Accurate Mass: 226.990468

Percentage Composition: C 52.66%; H 3.09%; Cl 31.09%; N 6.14%; O 7.01%

Use/Importance: Topical antibacterial agent, fungicide. Used as CHCl₃ soln. for extraction separation of Co and Ni (pH 7-8)

Physical Description: Yellow needles (EtOH)

Melting Point: Mp 111-111.5°. Mp 114-115 dec.°

Solubility: Insol. H₂O; sol. CHCl₃, EtOH, C₆H₆, hexane

Calculated Log P Data: Log P 3.81 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 660 mg/kg

Aldrich: 13053-2

Fluka: 35879

Rare Chemicals Library: S44410-3

Sigma: D5164

References:

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Silberg, A. *et al.*, *CA*, 1967, **67**, 54015, (synth)

Ellenrieder, M. *et al.*, *Arzneim.-Forsch.*, 1970, **20**, 821, (pharmacol)

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