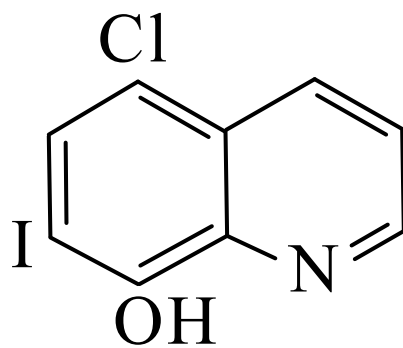




>>Entry Name: 5-Chloro-8-hydroxy-7-iodoquinoline

Synonym(s): 5-Chloro-7-iodo-8-quinolinol, 9Cl, 8Cl. **Clioquinol**, BAN, INN. Barquinol. Chinoform. Quin-o-creme. Vioform. Iodochlorhydroxyquin. **Quinoform**‡. Cifoform. Cliquinol. Quiniiodochlor. Iodochloroxine. Iodochloroxyquinoline



CAS Registry Number: 130-26-7

Molecular Formula: C₉H₅ClINO

Molecular Weight: 305.502

Accurate Mass: 304.910439

Percentage Composition: C 35.38%; H 1.65%; Cl 11.60%; I 41.54%; N 4.58%; O 5.24%

Use/Importance: Topical antibacterial and antifungal agent. Oral use as an amoebicide now prohibited. Used in photometric detn. of Mo, Nb, Ta

Physical Description: Brownish-yellow powder, darkens when exp. to light

Solubility: Spar. sol. Et₂O

Calculated Log P Data: Log P 3.7 (calc)

Other Data: Dec. at ca. 178-179°. Constit. of Enterovioform

Hazard & Toxicity: Neurotoxic effects (subacute myelo-optic neuropathy) reported when used therapeutically. Skin irritant and can stain skin. Can cause irritant dermatitis. LD₅₀ (mus, orl) 69 mg/kg. Exp. reprod. and teratogenic effects

Fluka: 24880

Rare Chemicals Library: S34425-7

Sigma: C8133

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