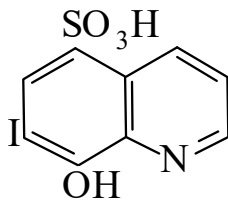




>>Entry Name: 8-Hydroxy-7-iodo-5-quinolinesulfonic acid, 9CI

Synonym(s): Ferron. Loretin. Yatren. Many other names



CAS Registry Number: 547-91-1

Related CAS Registry Numbers(s): 8002-90-2

Molecular Formula: C₉H₆INO₄S

Molecular Weight: 351.121

Accurate Mass: 350.906227

Percentage Composition: C 30.79%; H 1.72%; I 36.14%; N 3.99%; O 18.23%; S 9.13%

Use/Importance: Antiamoebic. Topical disinfectant. Used as 0.1% aq. soln. for photometric detn. of Fe(III) ($\lambda_{\max}$ 610 nm, ϵ 4000), Al, Pd, V; indirect detn. of F⁽⁻⁾

Physical Description: Yellow prisms or laminae

Melting Point: Mp 250-280 dec.°

Solubility: V. spar. sol. H₂O, EtOH, prac. insol. Et₂O, CHCl₃, C₆H₆

Calculated Log P Data: Log P 1.1 (calc)

Other Data: Forms cryst. salts with alkali and alkaline-earth metals. Used mainly as mixt. with NaHCO₃ (Chiniofon, INN)

Hazard & Toxicity: LD₅₀ (mus, orl) 4000 mg/kg

Aldrich: 11463-4

Fluka: 55370

Rare Chemicals Library: S44620-3

Sigma: I3753

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