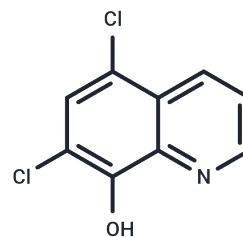


Chloroxine

Chemical Properties

CAS No. :	773-76-2
Formula:	C ₉ H ₅ Cl ₂ NO
Molecular Weight:	214.05
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Chloroxine (Capitol) is a synthetic quinoline derivative with antibacterial activity. Although the mechanism of action is not fully understood, topical administration of chloroxine diminishes mitotic activity in the epidermis, thereby reducing excessive scaling associated with dandruff or seborrheic dermatitis of the scalp, including psoriasis and eczema.
Targets(IC50)	Antibacterial, Antibiotic, Parasite

Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), DMSO: 6.25 mg/mL (29.2 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.6718 mL	23.359 mL	46.7181 mL
5 mM	0.9344 mL	4.6718 mL	9.3436 mL
10 mM	0.4672 mL	2.3359 mL	4.6718 mL
50 mM	0.0934 mL	0.4672 mL	0.9344 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Malaveille C, et al. IARC Sci Publ. 1991;(115):261-6.

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