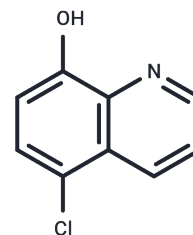


Cloxiquine

Chemical Properties

CAS No. :	130-16-5
Formula:	C ₉ H ₆ ClNO
Molecular Weight:	179.6
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Cloxiquine (Dermofongin) is a monohalogenated 8-hydroxyquinoline with activity against bacteria, fungi, and protozoa.
Targets(IC50)	Antibacterial,Antibiotic,Parasite,Antifungal,PPAR

Solubility Information

Solubility	DMSO: 260 mg/mL (1447.66 mM),Sonication is recommended. Ethanol: 33 mg/mL (183.74 mM),Sonication is recommended. H2O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 10 mg/mL (55.68 mM),Suspension. 10% DMSO+90% Saline: < 10 mg/mL (55.68 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.5679 mL	27.8396 mL	55.6793 mL
5 mM	1.1136 mL	5.5679 mL	11.1359 mL
10 mM	0.5568 mL	2.784 mL	5.5679 mL
50 mM	0.1114 mL	0.5568 mL	1.1136 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

Latosińska JN, et al. J Mol Model. 2011 Jul;17(7):1781-800.

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