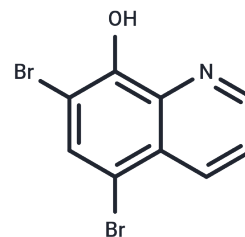


Broxyquinoline

Chemical Properties

CAS No. :	521-74-4
Formula:	C ₉ H ₅ Br ₂ NO
Molecular Weight:	302.95
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Broxyquinoline (5,7-Dibromo-8-hydroxyquinoline) is an antiprotozoal agent, and it can release oxygen free radicals from the water in mucous membranes.
Targets(IC50)	Antibiotic,Parasite,Influenza Virus
In vivo	Broxyquinoline inhibits the in vitro activity of prolyl and asparaginyl hydroxylation of HIF-1 α . Additionally, Broxyquinoline inhibits the binding of CpACBP1 to NBD-palmitoyl-CoA.

Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), H ₂ O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 10 mg/mL (33.01 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 1 mg/mL (3.3 mM),Sonication is recommended. <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	3.3009 mL	16.5044 mL	33.0087 mL
5 mM	0.6602 mL	3.3009 mL	6.6017 mL
10 mM	0.3301 mL	1.6504 mL	3.3009 mL
50 mM	0.066 mL	0.3301 mL	0.6602 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

Fritzler JM, et al. J Antimicrob Chemother, 2012, 67(3), 609-617.

Kim SY, et al. Biol Pharm Bull, 2012, 35(12), 2160-2169.

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