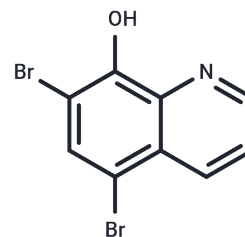


## Broxyquinoline

## Chemical Properties

CAS No. :	521-74-4
Formula:	C <sub>9</sub> H <sub>5</sub> Br <sub>2</sub> NO
Molecular Weight:	302.95
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## 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
In vivo	Broxyquinoline inhibits the in vitro activity of prolyl and asparaginyl hydroxylation of HIF-1 $\alpha$ . Additionally, Broxyquinoline inhibits the binding of CpACBP1 to NBD-palmitoyl-CoA.

## Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), H <sub>2</sub> 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)
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## 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.

## 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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