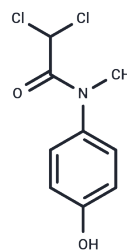


## Diloxanide

## Chemical Properties

CAS No. :	579-38-4
Formula:	C <sub>9</sub> H <sub>9</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	234.08
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	Diloxanide (RD3803) is an endomoeba insecticide. It is considered to be the luminal agent of choice for patients with mild enteroamoebiasis or asymptomatic cysts.
Targets(IC50)	Parasite

## Solubility Information

Solubility	DMSO: 33.33 mg/mL (142.39 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (8.54 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	4.272 mL	21.3602 mL	42.7204 mL
5 mM	0.8544 mL	4.272 mL	8.5441 mL
10 mM	0.4272 mL	2.136 mL	4.272 mL
50 mM	0.0854 mL	0.4272 mL	0.8544 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

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