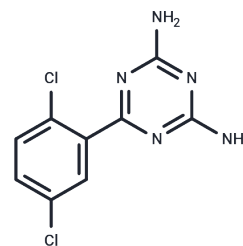


Irsogladine

Chemical Properties

CAS No. :	57381-26-7
Formula:	C ₉ H ₇ Cl ₂ N ₅
Molecular Weight:	256.09
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	Irsogladine (Dicloguamine) is an anti-gastric ulcer agent that facilitates gap-junctional intercellular communication through M1 muscarinic acetylcholine receptor binding.
Targets(IC50)	AChR,PDE

Solubility Information

Solubility	DMSO: 30 mg/mL (117.15 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (12.89 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	3.9049 mL	19.5244 mL	39.0488 mL
5 mM	0.781 mL	3.9049 mL	7.8098 mL
10 mM	0.3905 mL	1.9524 mL	3.9049 mL
50 mM	0.0781 mL	0.3905 mL	0.781 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

Onuma W, et al. Oncotarget. 2016 Feb 23;7(8):8640-52.

Nakagawa T, et al. Biol Pharm Bull. 2015;38(11):1681-8.

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