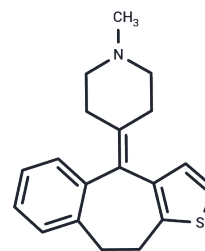


Pizotifen

Chemical Properties

CAS No. :	15574-96-6
Formula:	C ₁₉ H ₂₁ N ₅
Molecular Weight:	295.44
Storage:	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	Pizotifen (Pizotyline) is a strong serotonin and tryptamine antagonist, with weak anticholinergic, anti-histaminic and anti-kinin effects. It also possesses sedative and appetite-stimulating properties. Pizotifen hydrochloride is an active ingredient in Sandomigran, which is used for the prophylactic management of migraine. Sandomigran is available in number of countries excluding the United States.
Targets(IC50)	5-HT Receptor

Solubility Information

Solubility	H ₂ O: < 0.1 mg/mL (insoluble), DMSO: 12 mg/mL (40.62 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 (6.77 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	3.3848 mL	16.9239 mL	33.8478 mL
5 mM	0.677 mL	3.3848 mL	6.7696 mL
10 mM	0.3385 mL	1.6924 mL	3.3848 mL
50 mM	0.0677 mL	0.3385 mL	0.677 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

Rahman SM, et al. Pak J Pharm Sci. 2010 Oct;23(4):435-41.

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