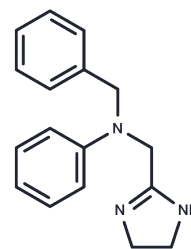


Antazoline

Chemical Properties

CAS No. :	91-75-8
Formula:	C ₁₇ H ₁₉ N ₃
Molecular Weight:	265.35
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	Antazoline has antihistamine and anticholinergic effects. It is used to treat a variety of arrhythmias.
Targets(IC50)	Others, Histamine Receptor

Solubility Information

Solubility	DMSO: 53 mg/mL (199.74 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 (7.54 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	3.7686 mL	18.843 mL	37.6861 mL
5 mM	0.7537 mL	3.7686 mL	7.5372 mL
10 mM	0.3769 mL	1.8843 mL	3.7686 mL
50 mM	0.0754 mL	0.3769 mL	0.7537 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

Michal M Farkowski , Aleksander Maciag, et al. Intravenous antazoline, a first-generation antihistaminic drug with antiarrhythmic properties, is a suitable agent for pharmacological cardioversion of atrial fibrillation induced during pulmonary vein isolation due to the lack of influence on atrio-venous conduction and high clinical effectiveness (AntaEP Study). Br J Clin Pharmacol. 2019 Jul;85(7):1552-1558.

BJ Bińkowski, Makowski M , Kubiński, Pawe, et al. Effect of Antazoline on Electrophysiological Properties of Atrial Muscle and Conduction System of the Heart[J]. Cardiovascular Drugs and Therapy, 2018.

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