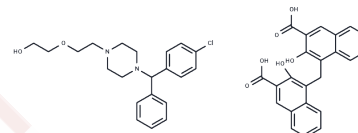


Hydroxyzine Pamoate

Chemical Properties

CAS No. :	10246-75-0
Formula:	C44H43ClN2O8
Molecular Weight:	763.27
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	Hydroxyzine Pamoate (Bobsule) is a histamine H1 receptor antagonist that is effective in the treatment of chronic urticaria, dermatitis, and histamine-mediated pruritus. Unlike its major metabolite CETIRIZINE, it does cause drowsiness. It is also effective as an antiemetic, for relief of anxiety and tension, and as a sedative.
Targets(IC50)	Histamine Receptor

Solubility Information

Solubility	DMSO: 250 mg/mL (327.54 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: 10 mg/mL (13.1 mM), Solution. 10% DMSO+90% Saline: < 10 mg/mL (13.1 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. <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	1.3102 mL	6.5508 mL	13.1015 mL
5 mM	0.262 mL	1.3102 mL	2.6203 mL
10 mM	0.131 mL	0.6551 mL	1.3102 mL
50 mM	0.0262 mL	0.131 mL	0.262 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

Spahr L, et al. Am J Gastroenterol. 2007 Apr;102(4):744-53.

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