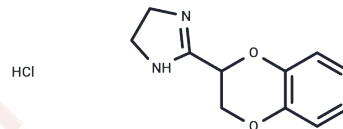


Idazoxan hydrochloride

Chemical Properties

CAS No. :	79944-56-2
Formula:	C ₁₁ H ₁₂ N ₂ O ₂ ·HCl
Molecular Weight:	240.69
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	Idazoxan hydrochloride (RX 781094) is a benzodioxane-linked imidazole. It has alpha-2 adrenoceptor antagonist activity.
Targets(IC50)	Adrenergic Receptor, Imidazoline Receptor

Solubility Information

Solubility	DMSO: 100 mg/mL (415.47 mM), Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (16.62 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	4.1547 mL	20.7736 mL	41.5472 mL
5 mM	0.8309 mL	4.1547 mL	8.3094 mL
10 mM	0.4155 mL	2.0774 mL	4.1547 mL
50 mM	0.0831 mL	0.4155 mL	0.8309 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

Bousquet P, et al. Ann N Y Acad Sci. 1999 Jun 21;881:272-8.

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