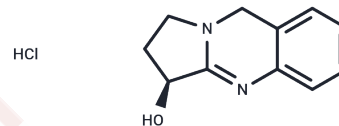


Vasicine hydrochloride

Chemical Properties

CAS No. :	7174-27-8
Formula:	C ₁₁ H ₁₃ ClN ₂ O
Molecular Weight:	224.68
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Vasicine hydrochloride (Peganine hydrochloride) (peganine hydrochloride) is an alkaloid isolated from <i>Justicia adhatoda</i> . It possesses an anti-tuberculosis activity.
Targets(IC50)	Akt,Antibacterial,Antibiotic,PI3K

Solubility Information

Solubility	DMSO: 13 mg/mL (57.86 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 (8.9 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	4.4508 mL	22.2539 mL	44.5077 mL
5 mM	0.8902 mL	4.4508 mL	8.9015 mL
10 mM	0.4451 mL	2.2254 mL	4.4508 mL
50 mM	0.089 mL	0.4451 mL	0.8902 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

Grange JM, et al. Activity of bromhexine and ambroxol, semi-synthetic derivatives of vasicine from the Indian shrub *Adhatoda vasica*, against *Mycobacterium tuberculosis* in vitro. *J Ethnopharmacol.* 1996 Jan;50(1):49-53.

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