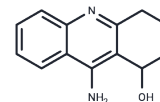
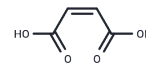


Hydroxytacrine maleate

Chemical Properties

CAS No. :	118909-22-1
Formula:	C17H18N2O5
Molecular Weight:	330.34
Storage:	Keep away from moisture 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	Hydroxytacrine maleate (Velnacrine maleate) is a cholinesterase (cholinesterase) inhibitor that enhances memory in rodents and may be used in the study of Alzheimer's dementia of the Alzheimer type (SDAT).
Targets(IC50)	Cholinesterase (ChE)

Solubility Information

Solubility	DMSO: 20 mg/mL (60.54 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: 2 mg/mL (6.05 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	3.0272 mL	15.1359 mL	30.2718 mL
5 mM	0.6054 mL	3.0272 mL	6.0544 mL
10 mM	0.3027 mL	1.5136 mL	3.0272 mL
50 mM	0.0605 mL	0.3027 mL	0.6054 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

Murphy MF, et al. Evaluation of HP 029 (velnacrine maleate) in Alzheimer's disease. Ann N Y Acad Sci. 1991;640: 253-62.

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