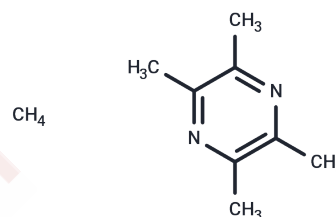


## Ligustrazine hydrochloride

## Chemical Properties

CAS No. :	76494-51-4
Formula:	C <sub>8</sub> H <sub>12</sub> N <sub>2</sub> ·HCl
Molecular Weight:	172.66
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	Ligustrazine hydrochloride (Chuanxiongzine hydrochloride) is a chemical compound found in natto and in fermented cocoa beans with anti-inflammation, antioxidant, antiplatelet, and antiapoptosis activities.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 50 mg/mL (289.59 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 (11.58 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	5.7917 mL	28.9586 mL	57.9173 mL
5 mM	1.1583 mL	5.7917 mL	11.5835 mL
10 mM	0.5792 mL	2.8959 mL	5.7917 mL
50 mM	0.1158 mL	0.5792 mL	1.1583 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

Gao HJ, et al. Neural Regen Res. 2015 May;10(5):832-40.

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