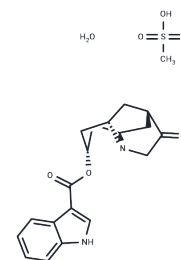


## Dolasetron Mesylate hydrate

## Chemical Properties

CAS No. :	878143-33-0
Formula:	C <sub>20</sub> H <sub>26</sub> N <sub>2</sub> O <sub>7</sub> S
Molecular Weight:	438.49
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	Dolasetron Mesylate hydrate (Dalasetron Mesylate Hydrate) , a selective serotonin receptor antagonist, competitively blocks the action of serotonin at 5HT3 receptors, resulting in suppression of chemotherapy- and radiotherapy-induced nausea and vomiting.
Targets(IC50)	5-HT Receptor

## Solubility Information

Solubility	DMSO: 39 mg/mL (88.94 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 (4.56 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	2.2806 mL	11.4028 mL	22.8055 mL
5 mM	0.4561 mL	2.2806 mL	4.5611 mL
10 mM	0.2281 mL	1.1403 mL	2.2806 mL
50 mM	0.0456 mL	0.2281 mL	0.4561 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

Faria C, et al. Am Health Drug Benefits. 2014 Jan;7(1):50-8.

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