Data Sheet (Cat.No.T6616)

TargetMol

Ondansetron hydrochloride

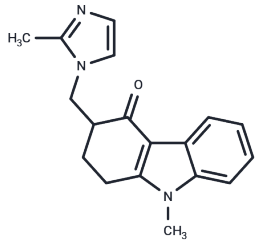
Chemical Properties

CAS No. : 99614-01-4

Formula: C18H19N3O·HCl

Molecular Weight: 329.82

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	Ondansetron hydrochloride (Zofran) is a serotonin 5-HT3 receptor antagonist, used to prevent nausea and vomiting caused by cancer chemotherapy, and radiation therapy.
Targets(IC50)	5-HT Receptor

Solubility Information

Solubility	H2O: 16.5 mg/mL (50.03 mM),Sonication is recommended. DMSO: 60 mg/mL (181.92 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: 5 mg/mL (15.16 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.032 mL	15.1598 mL	30.3196 mL
5 mM	0.6064 mL	3.032 mL	6.0639 mL
10 mM	0.3032 mL	1.516 mL	3.032 mL
50 mM	0.0606 mL	0.3032 mL	0.6064 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

Pinelli A, et al. Eur J Pharmacol,1997, 340(2-3), 111-119.
Miyata K, et al. Jpn J Pharmacol,1995, 69(3), 205-214.
Ramamoorthy R, et al. Behav Pharmacol,2008, 19(1), 29-40.
Warburton EC, et al. Psychopharmacology (Berl),1994, 114(4), 657-664.
Barnes JM, et al. Pharmacol Biochem Behav,1990, 35(4), 955-962.

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