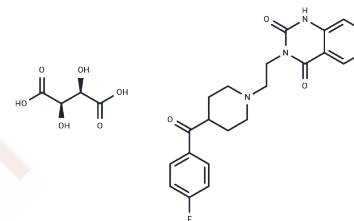


Ketanserin tartrate

Chemical Properties

CAS No. :	83846-83-7
Formula:	C ₂₆ H ₂₈ FN ₃ O ₉
Molecular Weight:	545.51
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	Ketanserin tartrate (KJK-945 tartrate) is a 5-HT _{2A} receptor and α 1-adrenergic receptor antagonist with antihypertensive activity, inhibits serotonin-induced vasoconstriction and platelet activation, and can be used in the study of systemic sclerosis.
Targets(IC50)	5-HT Receptor, Adrenergic Receptor, Autophagy, Potassium Channel, Serotonin Transporter

Solubility Information

Solubility	DMSO: 15 mg/mL (27.5 mM), Sonication is recommended. H ₂ O: < 0.1 mg/mL (insoluble.) (< 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 (3.67 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	1.8331 mL	9.1657 mL	18.3315 mL
5 mM	0.3666 mL	1.8331 mL	3.6663 mL
10 mM	0.1833 mL	0.9166 mL	1.8331 mL
50 mM	0.0367 mL	0.1833 mL	0.3666 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

Tang Q, et al. The 5-HT₂ antagonist Ketanserin is an open channel blocker of human cardiac ether-à-go-go-related gene (hERG) potassium channels. *Br J Pharmacol*. 2008 Oct;155(3):365-73.

Khan N, et al. Investigation of cyclooxygenase and signaling pathways involved in human platelet aggregation mediated by synergistic interaction of various agonists. *Drug Des Devel Ther*. 2015 Jul 6;9:3497-506.

Kekewska A, et al. Antiserotonergic properties of terguride in blood vessels, platelets, and valvular interstitial cells. *J Pharmacol Exp Ther*. 2012 Feb;340(2):369-76.

Jiang DG, et al. Serotonin regulates brain-derived neurotrophic factor expression in select brain regions during acute psychological stress. *Neural Regen Res*. 2016 Sep;11(9):1471-1479.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481