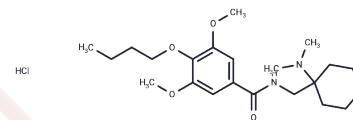


## Opiranserin hydrochloride

## Chemical Properties

CAS No. :	1440796-75-7
Formula:	C <sub>21</sub> H <sub>35</sub> ClN <sub>2</sub> O <sub>5</sub>
Molecular Weight:	430.97
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	Opiranserin (VVZ-149) hydrochloride is a dual antagonist of glycine transporter type 2 (GlyT2) and serotonin receptor 2A (5HT2A), with IC <sub>50</sub> s of 0.86 and 1.3 μM, respectively. It shows antagonistic activity on rP2X3 (IC <sub>50</sub> =0.87 μM). It is development as an injectable agent for the treatment of postoperative pain.
Targets(IC <sub>50</sub> )	5-HT Receptor, GlyT, P2X Receptor

## Solubility Information

Solubility	DMSO: 50 mg/mL (116.02 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 (4.64 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	2.3203 mL	11.6017 mL	23.2035 mL
5 mM	0.4641 mL	2.3203 mL	4.6407 mL
10 mM	0.232 mL	1.1602 mL	2.3203 mL
50 mM	0.0464 mL	0.232 mL	0.4641 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.

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