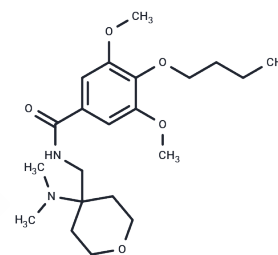


## Opiranserin

## Chemical Properties

CAS No. :	1441000-45-8
Formula:	C <sub>21</sub> H <sub>34</sub> N <sub>2</sub> O <sub>5</sub>
Molecular Weight:	394.51
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 is a development as an injectable agent for the treatment of postoperative pain. Opiranserin is a non-opioid and non-NSAID analgesic candidate and is a dual antagonist of glycine transporter type 2 (GlyT2) and serotonin receptor 2A (5HT2A) (IC50s: 0.86 and 1.3 $\mu$ M, respectively). Opiranserin displays antagonistic activity on rP2X3 (IC50=0.87 $\mu$ M).
Targets(IC50)	5-HT Receptor, GlyT, P2X Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5348 mL	12.6739 mL	25.3479 mL
5 mM	0.507 mL	2.5348 mL	5.0696 mL
10 mM	0.2535 mL	1.2674 mL	2.5348 mL
50 mM	0.0507 mL	0.2535 mL	0.507 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

- Oh J, et al. Safety, Tolerability, and Pharmacokinetic Characteristics of a Novel Nonopioid Analgesic, VVZ-149 Injections in Healthy Volunteers: A First-in-Class, First-in-Human Study. *J Clin Pharmacol.* 2018 Jan;58(1):64-73.
- Nedeljkovic SS, et al. Randomised, double-blind, parallel group, placebo-controlled study to evaluate the analgesic efficacy and safety of VVZ-149 injections for postoperative pain following laparoscopic colorectal surgery. *BMJ Open.* 2017 Feb 17;7(2):e011035.
- Pang MH, et al. A series of case studies: practical methodology for identifying antinociceptive multi-target drugs. *Drug Discov Today.* 2012 May;17(9-10):425-34.

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