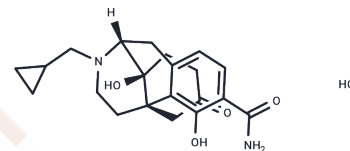


Samidorphan HCl

Chemical Properties

CAS No. :	2328045-02-7
Formula:	C ₂₁ H ₂₇ ClN ₂ O ₄
Molecular Weight:	406.9
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	Samidorphan HCl is an orally active and highly potent modulator of the opioid system that binds to μ -opioid, κ -opioid, and delta-opioid receptors. Samidorphan HCl is a novel μ -opioid receptor antagonist, a partial agonist for κ -opioid and delta-opioid receptors. Samidorphan HCl can be used to prevent and treat schizophrenia.
Targets(IC50)	Opioid Receptor

Solubility Information

Solubility	DMSO: 50 mg/mL (122.88 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4576 mL	12.288 mL	24.5761 mL
5 mM	0.4915 mL	2.4576 mL	4.9152 mL
10 mM	0.2458 mL	1.2288 mL	2.4576 mL
50 mM	0.0492 mL	0.2458 mL	0.4915 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

- Paik J. Olanzapine/Samidorphan: First Approval. *Drugs*. 2021 Aug;81(12):1431-1436.
 Monahan C, et al. Olanzapine/Samidorphan: New Drug Approved for Treating Bipolar I Disorder and Schizophrenia. *Ann Pharmacother*. 2022 Sep;56(9):1049-1057.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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