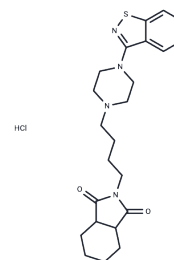


Perospirone hydrochloride

Chemical Properties

CAS No. :	129273-38-7
Formula:	C ₂₃ H ₃₁ ClN ₄ O ₂ S
Molecular Weight:	463
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	Perospirone hydrochloride (Perospirone HCl) is an atypical antipsychotic agent for the treatment of schizophrenia. It also displays affinity towards 5HT _{1A} receptors as a partial agonist.
Targets(IC ₅₀)	5-HT Receptor, Dopamine Receptor

Solubility Information

Solubility	DMSO: 92 mg/mL (198.7 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	2.1598 mL	10.7991 mL	21.5983 mL
5 mM	0.432 mL	2.1598 mL	4.3197 mL
10 mM	0.216 mL	1.0799 mL	2.1598 mL
50 mM	0.0432 mL	0.216 mL	0.432 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

- Murata Y , Bundo M , Sunaga F , et al. DNA Methylation Profiling in a Neuroblastoma Cell Line Exposed to the Antipsychotic Perospirone[J]. Pharmacopsychiatry, 2018:s-0044-101467.
- Tagami K , Mawatari H , Abe K , et al. Perospirone Exhibits Antiemetic Efficacy against Opioid-Induced Nausea in Patients with Advanced Cancer[J]. Journal of Palliative Medicine, 2015, 18(10):823-824.

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