

GSK 789472 hydrochloride

Chemical Properties

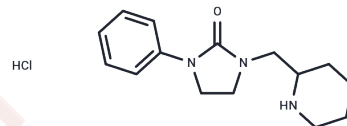
CAS No. : 1257326-24-1

Formula: C₁₅H₂₂ClN₃O

Molecular Weight: 295.81

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	GSK 789472 hydrochloride is both a dopamine D3 receptor antagonist and a D2 partial agonist.
Targets(IC50)	Dopamine Receptor

Solubility Information

Solubility	DMSO: 7.86 mg/mL (26.57 mM),Sonication is recommended. H2O: < 30 mg/mL (101.42 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	3.3805 mL	16.9027 mL	33.8055 mL
5 mM	0.6761 mL	3.3805 mL	6.7611 mL
10 mM	0.3381 mL	1.6903 mL	3.3805 mL
50 mM	0.0676 mL	0.3381 mL	0.6761 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

Holmes et al (2010) The identification of a selective DA D2 partial agonist, D3 antagonist displaying high levels of brain exposure. Bioorg.Med.Chem.Lett. 20 2013

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