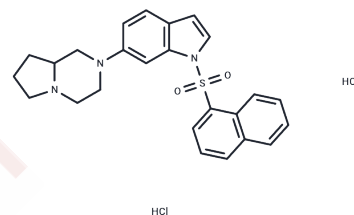


NPS ALX Compound 4a dihydrochloride

Chemical Properties

CAS No. :	1781934-44-8
Formula:	C ₂₅ H ₂₇ Cl ₂ N ₃ O ₂ S
Molecular Weight:	504.47
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	NPS ALX Compound 4a dihydrochloride is a potent and selective antagonist of the 5-HT ₆ receptor with an IC ₅₀ of 7.2 nM.
Targets(IC ₅₀)	5-HT Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9823 mL	9.9114 mL	19.8228 mL
5 mM	0.3965 mL	1.9823 mL	3.9646 mL
10 mM	0.1982 mL	0.9911 mL	1.9823 mL
50 mM	0.0396 mL	0.1982 mL	0.3965 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

Isaac M, et al. 6-Bicyclopiperazinyl-1-arylsulfonylindoles and 6-bicyclopiperidinyl-1-arylsulfonylindoles derivatives as novel, potent, and selective 5-HT₆ receptor antagonists. *Bioorg Med Chem Lett*. 2000 Aug 7;10(15):1719-21.

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