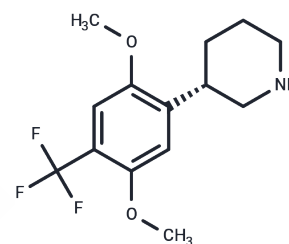


LPH-5

Chemical Properties

CAS No. : 2641630-97-7
 Formula: C₁₄H₁₈F₃NO₂
 Molecular Weight: 289.29
 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	LPH-5 is a selective agonist for the 5-HT _{2A} receptor (EC 50 = 190 nM). It functions by specifically activating this receptor, which plays a role in mood regulation, perception, and various central nervous system activities related to the 5-HT _{2A} receptor. LPH-5 may be utilized to investigate the 5-HT _{2A} receptor's involvement in psychiatric conditions such as depression, anxiety, and substance use disorders.
Targets(IC50)	5-HT Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4567 mL	17.2837 mL	34.5674 mL
5 mM	0.6913 mL	3.4567 mL	6.9135 mL
10 mM	0.3457 mL	1.7284 mL	3.4567 mL
50 mM	0.0691 mL	0.3457 mL	0.6913 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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