

TC-2153

Chemical Properties

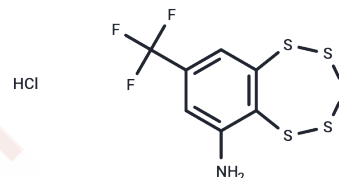
CAS No. : 1381769-23-8

Formula: C7H5ClF3NS5

Molecular Weight: 355.89

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	TC-2153 is a selective inhibitor of striatal-enriched protein tyrosine phosphatase (STEP), exhibiting psychotropic activity and low acute toxicity. It enhances the expression of brain-derived neurotrophic factor (BDNF) in the brain, reduces mRNA levels of MAOA and 5-HT1A receptors in the midbrain, and inhibits 5-HT2A receptor-mediated signaling.
Targets(IC50)	Others,5-HT Receptor,Monoamine Oxidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8099 mL	14.0493 mL	28.0986 mL
5 mM	0.562 mL	2.8099 mL	5.6197 mL
10 mM	0.281 mL	1.4049 mL	2.8099 mL
50 mM	0.0562 mL	0.281 mL	0.562 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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