

S 38093 HCl

Chemical Properties

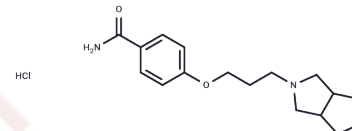
CAS No. : 1222097-72-4

Formula: C₁₇H₂₅ClN₂O₂

Molecular Weight: 324.85

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	S 38093 is a novel brain-penetrant antagonist/inverse agonist of H3 receptors.
Targets(IC50)	Histamine Receptor
Kinase Assay	PI3K inhibition by LY294002 is determined in a radiometric assay using purified, recombinant enzymes with 1 μM ATP. The kinase reaction is carried out for 1 hour at room temperature (24oC) and is terminated by addition of PBS. IC50 values are subsequently determined using a sigmoidal dose-response curve fit (variable slope). CK2 and GSK3β (glycogen synthase kinase 3β) inhibition are established by kinase selectivity screening. LY294002 is tested against the Upstate panel of kinases in 10 μM ATP.[4]

Solubility Information

Solubility	DMSO: 25 mg/mL (76.96 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	3.0783 mL	15.3917 mL	30.7834 mL
5 mM	0.6157 mL	3.0783 mL	6.1567 mL
10 mM	0.3078 mL	1.5392 mL	3.0783 mL
50 mM	0.0616 mL	0.3078 mL	0.6157 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

Guilloux JP, et al. S 38093, a histamine H(3) antagonist/inverse agonist, promotes hippocampal neurogenesis and improves context discrimination task in aged mice. Sci Rep. 2017 Feb 20;7:42946.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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