Data Sheet (Cat.No.T13008)

TargetMol

ST3932

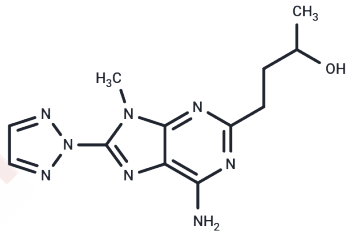
Chemical Properties

CAS No. : 1246018-21-2

Formula: C12H16N8O

Molecular Weight: 288.31

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	ST3932 is a ST1535 metabolite, is a adenosine A2A receptor antagonist(Kis of 8 nM and 33 nM for A2A and A1 receptors, respectively).
Targets(IC50)	Adenosine Receptor
In vitro	ST3932 is a ST1535 metabolite, acts as an adenosine A2A receptor antagonist(Kis of 8 nM and 33 nM for A2A and A1 receptors, respectively). ST3932 inhibits agonist-induced cAMP accumulation(IC50 : 450 nM).
In vivo	In mice, Haloperidol-induced catalepsy antagonized by ST3932 (10, 20, 40 mg/kg, p.o.), and increases motor activity . ST3932 (20, 40 mg/kg, i.p.) significantly increases the number of contralateral turns induced by l-DOPA in rats.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4685 mL	17.3424 mL	34.6849 mL
5 mM	0.6937 mL	3.4685 mL	6.937 mL
10 mM	0.3468 mL	1.7342 mL	3.4685 mL
50 mM	0.0694 mL	0.3468 mL	0.6937 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

ST3932, et al. Animal models of Parkinsons disease: Effects of two adenosine A2A receptor antagonists ST4206 and ST3932, metabolites of 2-n-Butyl-9-methyl-8-[1,2,3]triazol-2-yl-9H-purin-6-ylamine (ST1535). Eur J Pharmacol. 2015 Aug 15;761:353-61.

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