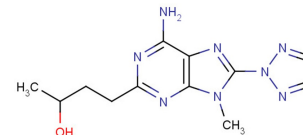


ST3932

## Chemical Properties

CAS No.:	1246018-21-2
Formula:	C <sub>12</sub> H <sub>16</sub> N <sub>8</sub> O
Molecular Weight:	288.31
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## 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(IC <sub>50</sub> )	A2A receptor: ki: 8 nM A1 receptor: 33 nM (ki)
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(IC <sub>50</sub> : 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.

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.468 mL	17.342 mL	34.685 mL
5 mM	0.694 mL	3.468 mL	6.937 mL
10 mM	0.347 mL	1.734 mL	3.468 mL
50 mM	0.069 mL	0.347 mL	0.694 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

### Reference

1. ST3932, et al. Animal models of Parkinson's 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.

Inhibitors · Natural Compounds · Compound Libraries

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