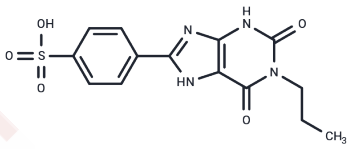
Data Sheet (Cat.No.T23201)

TargetMol

PSB 1115

Chemical Properties



CAS No. : 152529-79-8

Formula: C14H14N4O5S

Molecular Weight: 350.35

Storage: Store at low temperature
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	PSB 1115 is an A2B receptor antagonist and can counteract the inhibitory effect of NECA.
Targets(IC50)	Adenosine Receptor
In vitro	PSB 1115 reversed the decrease in plasma insulin induced by NECA[1].
In vivo	The effect of PSB 1115 was obvious in diabetic GotoKakizaki rats: plasma insulin was increased whereas blood glucose was unchanged. The adenosine levels were not different in normal Wistar rats and in diabetic GotoKakzaki rats[1].

Solubility Information

Solubility	DMSO: <38.84 mg/mL,Sonication is recommended. H2O: <7.77 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8543 mL	14.2714 mL	28.5429 mL
5 mM	0.5709 mL	2.8543 mL	5.7086 mL
10 mM	0.2854 mL	1.4271 mL	2.8543 mL
50 mM	0.0571 mL	0.2854 mL	0.5709 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

Rüsing D, et al. The impact of adenosine and A(2B) receptors on glucose homoeostasis. J Pharm Pharmacol. 2006 Dec;58(12):1639-45.

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