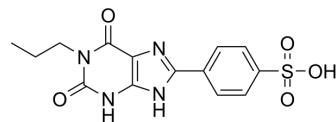


PSB-1115

Cat. No.:	HY-103182		
CAS No.:	152529-79-8		
Molecular Formula:	C ₁₄ H ₁₄ N ₄ O ₅ S		
Molecular Weight:	350.35		
Target:	Adenosine Receptor		
Pathway:	GPCR/G Protein		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	PSB-1115 is a selective A2B Adenosine Receptor antagonist. PSB-1115 inhibits the 2,4,6-trinitrobenzenesulfonic acid (TNBS)-induced contraction inhibition of acetylcholine (ACh) ^[1] .
IC₅₀ & Target	A2BR
In Vitro	PSB-1115 (100 μM) inhibits TNBS (10 mM) induced ACh contraction inhibition in the ileum/jejunum segment ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	PSB-1115 (0.5 mg/kg; i.p.; single dose, injected 20 minutes before inhalation) antagonizes the inhibitory effect of the non-selective adenosine receptor agonist NECA (HY-103173) on mucociliary clearance in mice ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Michael S, et al. Adenosine A(2A) agonist and A(2B) antagonist mediate an inhibition of inflammation-induced contractile disturbance of a rat gastrointestinal preparation. *Purinergic Signal*. 2010 Mar;6(1):117-24.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA