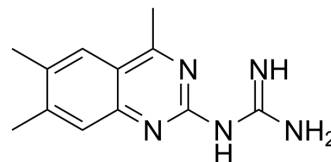


A2B receptor antagonist 2

Cat. No.:	HY-139314
CAS No.:	784-90-7
Molecular Formula:	C ₁₂ H ₁₅ N ₅
Molecular Weight:	229.28
Target:	Adenosine Receptor
Pathway:	GPCR/G Protein
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

Methanol : 5 mg/mL (21.81 mM; ultrasonic and warming and heat to 60°C)
DMSO : 2 mg/mL (8.72 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		Concentration	1 mg	5 mg	10 mg
	1 mM		4.3615 mL	21.8074 mL	43.6148 mL
	5 mM		0.8723 mL	4.3615 mL	8.7230 mL
	10 mM		0.4361 mL	2.1807 mL	4.3615 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

A2B receptor antagonist 2 (compound 18) is an adenosine receptor A_{2B} antagonist, with K_i values of 2.30 μM, 6.8 μM and 3.44 μM for rA₁, rA_{2A} and hA_{2B}, respectively^[1].

REFERENCES

[1]. Thomas R Webb, et al. Quinazolines as adenosine receptor antagonists: SAR and selectivity for A_{2B} receptors. Bioorg Med Chem. 2003 Jan 2;11(1):77-85.

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

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