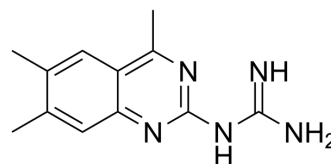


A2B receptor antagonist 2

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

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

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

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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