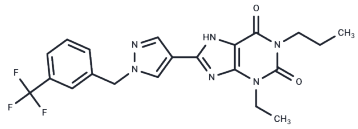
Data Sheet (Cat.No.T15418)

TargetMol
YOUR TARGET MOLECULES

GS-6201

Chemical Properties



CAS No. : 752222-83-6

Formula: C21H21F3N6O2

Molecular Weight: 446.43

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	GS-6201 (CVT-6883) is a selective antagonist of adenosine A2B receptor. GS-6201 shows high affinity and selectivity for the human adenosine A2B receptors with a Ki of 22 nM.
Targets(IC50)	Adenosine Receptor
In vivo	GS-6201 (2 mg/kg; p.o.) treatment displays the Cmax, dAUC and t1/2 are 1110 ng/mL, 6500 ng h/mL, and 4.25 hours, respectively [1]. GS-6201 (4 mg/kg; i.p.; every 12 h for 14 days) obviously decreases IL-6, TNF-α, E-selectin, ICAM-1, and VCAM plasma levels. GS-6201 (4 mg/kg; i.p.; every 12 h for 14 days) causes an obvious attenuation of left and right ventricular enlargement and dysfunction at 7 days, which was maintained at 14 days and also at 28 days [2].

Solubility Information

Solubility	DMSO: 30 mg/ml (67.2 mM),Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.240 mL	11.200 mL	22.3999 mL
5 mM	0.448 mL	2.240 mL	4.480 mL
10 mM	0.224 mL	1.120 mL	2.240 mL
50 mM	0.0448 mL	0.224 mL	0.448 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.

Reference

Toldo S, et al. GS-6201, a selective blocker of the A2B adenosine receptor, attenuates cardiac remodeling after acute myocardial infarction in the mouse. J Pharmacol Exp Ther. 2012 Dec;343(3):587-95.

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