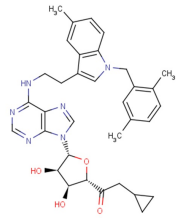
Data Sheet (Cat.No.T13256)

TargetMol
A DRUG SCREENING EXPERT

UP202-56

Chemical Properties



CAS No.:	163838-04-8
Formula:	C34H38N6O4
Molecular Weight:	594.7
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	UP202-56 is an adenosinergic agonist and is an adenosine analog.
Targets(IC_{50})	Adenosine Receptor: None
In vitro	UP202-56 (p.o.) is assessed on carrageenan-induced spinal c-Fos protein expression and peripheral oedema. Oral UP202-56 (10, 30 or 50 mg/kg) dose-dependently reduces the number of carrageenan-induced c-Fos like immunoreactivity (c-Fos-LI) neurons (r=0.931. P<0.0001), with the highest dose of UP202-56 producing a 72±4% reduction of the total number of carrageenan-induced spinal c-Fos-LI neurons, and 12±3% and 33±6% of reduction of control carrageenan oedema at paw and ankle levels, respectively.UP202-56 dose-dependently reduced the expression of spinal cord c-Fos protein in the carrageenan inflammatory pain model [1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.682 mL	8.408 mL	16.815 mL
5 mM	0.336 mL	1.682 mL	3.363 mL
10 mM	0.168 mL	0.841 mL	1.682 mL
50 mM	0.034 mL	0.168 mL	0.336 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Honoré P, et al. UP 202-56, an adenosine analogue, selectively acts via A1 receptors to significantly decrease noxiously-evoked spinal c-Fos protein expression. Pain. 1998 Apr;75(2-3):281-93.

2. Camborde, Francois, et al. PHARMACEUTICAL COMBINATION WITH ANALGESIC ACTIVITY, CONTAINING AN ADENOSINERGIC AGONIST AND A COMPOUND SELECTED FROM OPIATES, BENZODIAZEPINES AND NMDA ANTAGONISTS. Patent Application WO/1999/029347.

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