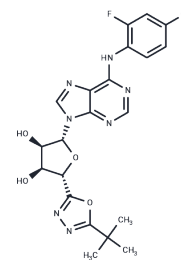


GW-493838

Chemical Properties

CAS No. : 253124-46-8
 Formula: C₂₁H₂₁ClFN₇O₄
 Molecular Weight: 489.89
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	GW-493838 is a potent adenosine A1A receptor agonist for the treatment of dyslipidemia and neuropathic pain, with analgesic effects on post-herpetic neuralgia or peripheral nerve damage caused by trauma or surgery.
Targets(IC50)	Adenosine Receptor

Solubility Information

Solubility	DMSO: 11 mg/mL (22.45 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0413 mL	10.2064 mL	20.4127 mL
5 mM	0.4083 mL	2.0413 mL	4.0825 mL
10 mM	0.2041 mL	1.0206 mL	2.0413 mL
50 mM	0.0408 mL	0.2041 mL	0.4083 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Elzein E, et al. A1 adenosine receptor agonists and their potential therapeutic applications. Expert Opin Investig Drugs. 2008;17(12):1901-1910.

Ochoa-Cortes F, et al. Potential for developing purinergic drugs for gastrointestinal diseases. Inflamm Bowel Dis. 2014;20(7):1259-1287.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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