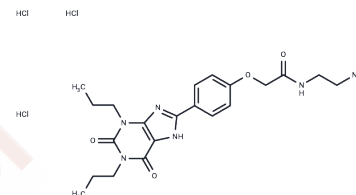


Xanthine amine congener trihydrochloride

Chemical Properties

CAS No. :	2459963-12-1
Formula:	C ₂₁ H ₂₉ Cl ₃ N ₆ O ₄
Molecular Weight:	464.95
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Xanthine amine congener trihydrochloride is a potent adenosine antagonist that reverses the reduction in urine flow, sodium excretion and heart rate produced by the adenosine agonist, N ₆ -cyclohexyladenosine.
Targets(IC ₅₀)	Adenosine Receptor

Solubility Information

Solubility	DMSO: 5.38 mg/mL (11.57 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	2.1508 mL	10.7538 mL	21.5077 mL
5 mM	0.4302 mL	2.1508 mL	4.3015 mL
10 mM	0.2151 mL	1.0754 mL	2.1508 mL
50 mM	0.043 mL	0.2151 mL	0.4302 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

Barone S, Churchill PC, Jacobson KA. Adenosine receptor prodrugs: towards kidney-selective dialkylxanthines. J Pharmacol Exp Ther. 1989 Jul;250(1):79-85.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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