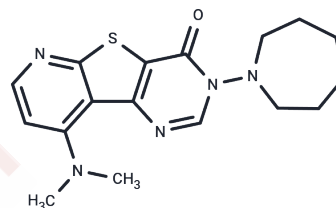


A 841720

Chemical Properties

CAS No. : 869802-58-4
 Formula: C₁₇H₂₁N₅O₅
 Molecular Weight: 343.45
 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	A-841720 is a potent, selective, and non-competitive antagonist of the mGlu1 receptor, exhibiting an IC ₅₀ value of 10 nM specifically for the human mGlu1 receptor. It demonstrates a 34-fold greater selectivity for mGlu1 over mGlu5 (IC ₅₀ of 342 nM), with negligible activity across a spectrum of other neurotransmitter receptors, ion channels, and transporters. Additionally, A-841720 possesses analgesic potential within a certain dose range [1] [2].
Targets(IC ₅₀)	Others, GluR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9116 mL	14.5582 mL	29.1163 mL
5 mM	0.5823 mL	2.9116 mL	5.8233 mL
10 mM	0.2912 mL	1.4558 mL	2.9116 mL
50 mM	0.0582 mL	0.2912 mL	0.5823 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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