

GS-441524 HCl

Chemical Properties

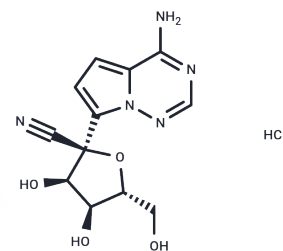
CAS No. : 2378280-82-9

Formula: C₁₂H₁₄ClN₅O₄

Molecular Weight: 327.72

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	GS-441524 is a potent inhibitor of feline infectious peritonitis (FIP) virus with an EC ₅₀ of 0.78 μM.. GS-441524 strongly inhibits feline infectious peritonitis (FIP) virus in tissue culture and experimental cat infection studies. GS-441524 is a molecular precursor to a pharmacologically active nucleoside triphosphate molecule. These analogs act as an alternative substrate and RNA-chain terminator of viral RNA dependent RNA polymerase. GS-441524 was non-toxic in feline cells at concentrations as high as 100μM and effectively inhibited FIPV replication in cultured CRFK cells and in naturally infected feline peritoneal macrophages at concentrations as low as 1 μM. Note: GS-441524 is an active metabolite of Remdesivir.
Targets(IC ₅₀)	Others,DNA/RNA Synthesis,SARS-CoV

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0514 mL	15.2569 mL	30.5139 mL
5 mM	0.6103 mL	3.0514 mL	6.1028 mL
10 mM	0.3051 mL	1.5257 mL	3.0514 mL
50 mM	0.061 mL	0.3051 mL	0.6103 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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