

AT-9010 tetrasodium

Chemical Properties

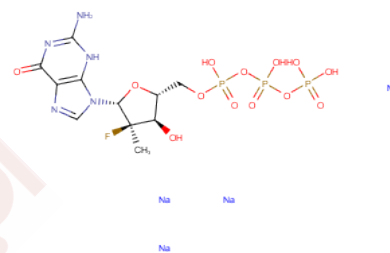
CAS No. : 1621884-18-1

Formula: C₁₁H₁₃FN₅Na₄O₁₃P₃

Molecular Weight: 627.13

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	AT-9010 tetrasodium is a triphosphate active metabolite derived from AT-527. It acts as a potent inhibitor of NiRAN, a crucial function for viral replication. Furthermore, AT-9010 tetrasodium demonstrates its ability to effectively inhibit the replication of SARS-CoV-2.
Targets(IC50)	Others,SARS-CoV
In vitro	Substantial levels of the active triphosphate metabolite AT-9010, with a half-life of at least 38 hours, are formed in normal human bronchial (698 μM) and nasal epithelial cells (236 μM) following incubation with 10 μM AT-511[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5946 mL	7.9728 mL	15.9457 mL
5 mM	0.3189 mL	1.5946 mL	3.1891 mL
10 mM	0.1595 mL	0.7973 mL	1.5946 mL
50 mM	0.0319 mL	0.1595 mL	0.3189 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

Atea Pharmaceuticals Announces Publication of Preclinical Data Highlighting Potent Activity of AT-527 Against SARS-CoV-2. BOSTON, Feb. 08, 2021. Atea Pharmaceuticals, Inc.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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