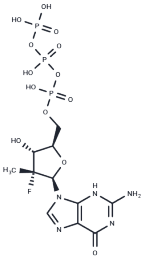
Data Sheet (Cat.No.T38660)

TargetMol

AT-9010

Chemical Properties



CAS No. : 1261253-79-5

Formula: C11H17FN5O13P3

Molecular Weight: 539.20

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, a triphosphate derivative of AT-527, exhibits strong inhibitory activity against NiRAN, a crucial viral replication function. This compound effectively suppresses the replication of SARS-CoV-2.
Targets(IC50)	Others,SARS-CoV
In vitro	Substantial levels of the active triphosphate metabolite AT-9010 are produced in normal human bronchial and nasal epithelial cells incubated with 10 μM AT-511 (698 μM and 236 μM, respectively), with a half-life of at least 38 hours[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8546 mL	9.273 mL	18.546 mL
5 mM	0.3709 mL	1.8546 mL	3.7092 mL
10 mM	0.1855 mL	0.9273 mL	1.8546 mL
50 mM	0.0371 mL	0.1855 mL	0.3709 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.

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