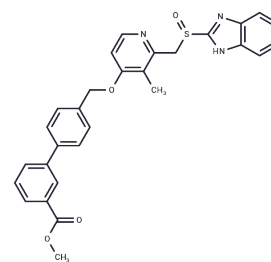


ATPase-IN-6

Chemical Properties

CAS No. :	3082397-26-7
Formula:	C ₂₉ H ₂₅ N ₃ O ₄ S
Molecular Weight:	511.59
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	ATPase-IN-6 is an inhibitor of H ⁺ /K ⁺ -ATPase (ATPase) and a derivative of imidazopyridine. It exhibits significant antiviral activity against various viruses, such as HIV-1 and SARS-CoV-2. ATPase-IN-6 is applicable in antiviral infection research.
Targets(IC50)	Proton pump,HIV Protease,SARS-CoV
In vitro	ATPase-IN-6 (Compound 10) exhibits potent antiviral activity against HIV-1 and SARS-CoV-2 in HEK239T and CALU3 cells, with EC ₅₀ values of 0.5 μM and 2.5 μM respectively, CC ₅₀ values of 10 μM and 50 μM, and a selectivity index (SI) of 20 for both viruses.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9547 mL	9.7735 mL	19.5469 mL
5 mM	0.3909 mL	1.9547 mL	3.9094 mL
10 mM	0.1955 mL	0.9773 mL	1.9547 mL
50 mM	0.0391 mL	0.1955 mL	0.3909 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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