

Influenza A virus-IN-8

Chemical Properties

CAS No. :

Formula: C104H142N28O24S

Molecular Weight: 2200.48

Keep away from moisture

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	Influenza A virus-IN-8 (S5), a macrocyclic peptide, exhibits no cytotoxicity and acts as a potent inhibitor of Influenza A Virus (IAV), demonstrating significant protease stability, with IC50 values of 6.7 nM for H1 and 6.6 nM for H5 variants. It has a high affinity for H1 variants, binding to a conserved region in the HA stem with a dissociation constant (Kd) of 1.0 nM [1].
Targets(IC50)	Influenza Virus

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4544 mL	2.2722 mL	4.5445 mL
5 mM	0.0909 mL	0.4544 mL	0.9089 mL
10 mM	0.0454 mL	0.2272 mL	0.4544 mL
50 mM	0.0091 mL	0.0454 mL	0.0909 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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