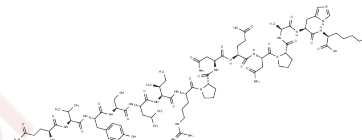


## Influenza NP (311-325)

## Chemical Properties

CAS No. :	1225029-27-5
Formula:	C78H124N24O23
Molecular Weight:	1765.97
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Influenza NP (311-325) is a biologically active peptide consisting of amino acids 311 to 325 from the influenza virus nucleoprotein (NP). As a bona fide MHC class II-restricted epitope, it is critical for studying host immune responses during viral infection, inducing robust gamma interferon (IFN-gamma) production in intracellular cytokine assays without stimulating CD8 T-cells in mice. The presence of Glutamine (Q) or Glutamic acid (E) at the N-terminus can lead to spontaneous formation of Pyroglutamyl (pGlu) peptides, enhancing peptide stability against gastrointestinal proteases. These peptides are considered a normal variant and included in peptide purity measurements in HPLC analysis.
Targets(IC50)	Influenza Virus

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5663 mL	2.8313 mL	5.6626 mL
5 mM	0.1133 mL	0.5663 mL	1.1325 mL
10 mM	0.0566 mL	0.2831 mL	0.5663 mL
50 mM	0.0113 mL	0.0566 mL	0.1133 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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