

Influenza NP (311-325)

Cat. No.:	HY-P5502
CAS No.:	1225029-27-5
Molecular Formula:	C ₇₈ H ₁₂₄ N ₂₄ O ₂₃
Molecular Weight:	1765.97
Sequence:	Gln-Val-Tyr-Ser-Leu-Ile-Arg-Pro-Asn-Glu-Asn-Pro-Ala-His-Lys
Sequence Shortening:	QVYSLIRPNENPAHK
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Influenza NP (311-325) is a biological active peptide. (This peptide is amino acids 311 to 325 fragment of the influenza virus nucleoprotein (NP). This bona fide MHC class II restricted epitope from influenza virus was used to study the host immunoresponse during the infection. This peptide elicits the strongest gamma interferon (IFN-gamma) production in the intracellular cytokine assays. It does not stimulate CD8 T-cells in mice. Pyroglutamyl (pGlu) peptides may spontaneously form when either Glutamine (Q) or Glutamic acid (E) is located at the sequence N-terminus. The conversion of Q or E to pGlu is a natural occurrence and in general it is believed that the hydrophobic γ -lactam ring of pGlu may play a role in peptide stability against gastrointestinal proteases. Pyroglutamyl peptides are therefore considered a normal subset of such peptides and are included as part of the peptide purity during HPLC analysis.)

Caution: Product has not been fully validated for medical applications. For research use only.

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