

Anti-viral protein Y3

PRODUCT DESCRIPTION

Anti-viral protein Y3 is a 97-amino-acid synthetic peptide. A synthetic peptide used as a research tool in biochemistry, pharmacology, and biomedical research. This peptide enables the study of protein-protein interactions, receptor binding, enzyme substrate specificity, and signal transduction pathways. Available in high purity (>=95% by HPLC) as a lyophilized powder for reconstitution in appropriate buffers.

PRODUCT SPECIFICATIONS

Catalog Number	BPT0937
Molecular Weight	10587.6459 Da
Molecular Formula	C451H696N142O141S7
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

AACARFIDDFCDLTPNIYRPRDNGQRCYAVNGHRCDFTVFNTNNGGNPIRASTPNCKTVLRTAANRCPTGGRGKINPNAPFLFAIDPNDGDCSTNF

Three-Letter Code:

H-Ala-Ala-Cys-Ala-Arg-Phe-Ile-Asp-Asp-Phe-Cys-Asp-Thr-Leu-Thr-Pro-Asn-Ile-Tyr-Arg-Pro-Arg-Asp-Asn-Gly-Gln-Arg-Cys-Tyr-Ala-Val-Asn-Gly-His-Arg-Cys-Asp-Phe-Thr-Val-Phe-Asn-Thr-Asn-Asn-Gly-Gly-Asn-Pro-Ile-Arg-Ala-Ser-Thr-Pro-Asn-Cys-Lys-Thr-Val-Leu-Arg-Thr-Ala-Ala-Asn-Arg-Cys-Pro-Thr-Gly-Gly-Arg-Gly-Lys-Ile-Asn-Pro-Asn-Ala-Pro-Phe-Leu-Phe-Ala-Ile-Asp-Pro-Asn-Asp-Gly-Asp-Cys-Ser-Thr-Asn-Phe-OH

RESEARCH APPLICATIONS

Application	Antiviral activity
Biomarker Target	Viral Proteins
Research Area	Infectious Disease
Sub-category	Antiviral Peptides & Vaccines

STORAGE & HANDLING

Storage Temperature	-20 deg C
Form	Lyophilized
Stability	Lyophilized product stable for 24 months at -20 deg C
Reconstitution	Reconstitute in sterile water or appropriate buffer
After Reconstitution	Aliquot and store at -20 to -80 deg C
Avoid	Repeated freeze-thaw cycles

AVAILABLE SIZES

Size Options	1 mg, 10 mg
Usage	Research use

QUALITY CONTROL

Purity Method	HPLC, Mass Spectrometry (MS)
Identity	Confirmed by ESI-MS or MALDI-TOF
Purity	Peak Area by HPLC >=95%
Documentation	Certificate of Analysis (CoA) available upon request