

Lytic Peptide, Shiva-1

PRODUCT DESCRIPTION

Lytic Peptide, Shiva-1 is a 33-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 ($\geq 95\%$ by HPLC) as a lyophilized powder for reconstitution in appropriate buffers.

PRODUCT SPECIFICATIONS

Catalog Number	BPT1536
Molecular Weight	3531.1803 Da
Molecular Formula	C155H269N53O39S1
Purity	Peak Area by HPLC $\geq 95\%$
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

MPRLFRRIDRVGKQGILRAGPAIALVGDAVAG

Three-Letter Code:

H-Met-Pro-Arg-Leu-Phe-Arg-Arg-Ile-Asp-Arg-Val-Gly-Lys-Gln-Gly-Ile-Leu-Arg-Ala-Gly-Pro-Ala-Ile-Ala-Leu-Val-Gly-Asp-Ala-Arg-Ala-Val-Gly-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