

Hepatitis B Virus Pre-S Region (120-145)

PRODUCT DESCRIPTION

Hepatitis B Virus Pre-S Region (120-145) is a 26-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	BPT1504
CAS Number	104504-34-9
Molecular Weight	3008.3201 Da
Molecular Formula	C135H199N39O38S1
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:

MQWNSTTFHQTLQDPRVRGLYFPAGG

Three-Letter Code:

H-Met-Gln-Trp-Asn-Ser-Thr-Thr-Phe-His-Gln-Thr-Leu-Gln-Asp-Pro-Arg-Val-Arg-Gly-Leu-Tyr-Phe-Pro-Ala-Gly-Gly-OH

RESEARCH APPLICATIONS

Application	Biological activity
Biomarker Target	Peptide Target
Research Area	Biomedical Research
Sub-category	Research Peptides & Tools

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