

Obtustatin

PRODUCT DESCRIPTION

Obtustatin is a 80-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	BPT1026
Molecular Weight	4393.0466 Da
Molecular Formula	C184H284N52O57S8
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

CTTGPCRQCKLKPA GTTCWK TSLTSHYCTGKSCDCPLYPG(Disulfidebridge:Cys1-Cys10,Cys6-Cys29,Cys7-Cys34,Cys19-Cys36)

Three-Letter Code:

H-Cys-Thr-Thr-Gly-Pro-Cys-Cys-Arg-Gln-Cys-Lys-Leu-Lys-Pro-Ala-Gly-Thr-Thr-Cys-Trp-Lys-Thr-Ser-Leu-Thr-Ser-His-Tyr-Cys-Thr-Gly-Lys-Ser-Cys-Asp-Cys-Pro-Leu-Tyr-Pro-Gly-OH(Disulfidebridge:Cys1-Cys10,Cys6-Cys29,Cys7-Cys34,Cys19-Cys36)

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 $\geq 95\%$

Documentation

Certificate of Analysis (CoA) available upon request