

Ct-AMP1

PRODUCT DESCRIPTION

Ct-AMP1 is a 49-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	BPT0933
Molecular Weight	5613.2232 Da
Molecular Formula	C234H345N77O70S8
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

NLCERASLTWTGNCGNTGHCDTQCRNWESAKHGACHKRGNWKCFCYFNC

Three-Letter Code:

H-Asn-Leu-Cys-Glu-Arg-Ala-Ser-Leu-Thr-Trp-Thr-Gly-Asn-Cys-Gly-Asn-Thr-Gly-His-Cys-Asp-Thr-Gln-Cys-Arg-Asn-Trp-Glu-Ser-Ala-Lys-His-Gly-Ala-Cys-His-Lys-Arg-Gly-Asn-Trp-Lys-Cys-Phe-Cys-Tyr-Phe-Asn-Cys-OH

RESEARCH APPLICATIONS

Application	Antimicrobial activity
Biomarker Target	Host Defense Peptide
Research Area	Immunology
Sub-category	Antimicrobial Peptides & Innate Immunity

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