

EcAMP3

PRODUCT DESCRIPTION

EcAMP3 is a 62-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	BPT0070
Molecular Weight	4430.8414 Da
Molecular Formula	C172H282N72O57S5
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

GADRCRERCERRHRGDWQKGQRCLMECRRREQEED(Disulfidebridge:Cys5-Cys27,Cys9-Cys23)

Three-Letter Code:

H-Gly-Ala-Asp-Arg-Cys-Arg-Glu-Arg-Cys-Glu-Arg-Arg-His-Arg-Gly-Asp-Trp-Gln-Gly-Lys-Gln-Arg-Cys-Leu-Met-Glu-Cys-Arg-Arg-Arg-Glu-Gln-Glu-Glu-Asp-OH(Disulfidebridge:Cys5-Cys27,Cys9-Cys23)

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