

cAMP Dependent PK Inhibitor (5-22), amide

PRODUCT DESCRIPTION

cAMP Dependent PK Inhibitor (5-22), amide is a 20-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	BPT2094
CAS Number	100853-58-5
Molecular Weight	1969.1598 Da
Molecular Formula	C84H137N29O26
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:

TTYADFIASGRTGRRNAI-NH2

Three-Letter Code:

H-Thr-Thr-Tyr-Ala-Asp-Phe-Ile-Ala-Ser-Gly-Arg-Thr-Gly-Arg-Arg-Asn-Ala-Ile-NH2

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
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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