

MMP-2/MMP-9 Inhibitor III

PRODUCT DESCRIPTION

MMP-2/MMP-9 Inhibitor III is a 31-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	BPT2621
CAS Number	244082-19-7
Molecular Weight	1166.326 Da
Molecular Formula	C52H71N13O14S2
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

CTTHWGFTLC(Disulfidebridge:Cys1-Cys10)

Three-Letter Code:

H-Cys-Thr-Thr-His-Trp-Gly-Phe-Thr-Leu-Cys-OH(Disulfidebridge:Cys1-Cys10)

RESEARCH APPLICATIONS

Application	Enzyme activity
Biomarker Target	Matrix Metalloproteinase
Research Area	Cell Signaling
Sub-category	Proteases & Protease Inhibitors

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 $\geq 95\%$

Documentation

Certificate of Analysis (CoA) available upon request