

Cilengitide

PRODUCT DESCRIPTION

Cilengitide is a 22-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	BPT2327
CAS Number	188968-51-6
Molecular Weight	588.6543 Da
Molecular Formula	C27H40N8O7
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

RGD{N-Me-Phe}V(Lactam:Arg1-Val5)

Three-Letter Code:

Arg-Gly-Asp-{N-Me-Phe}-Val(Lactam:Arg1-Val5)

RESEARCH APPLICATIONS

Application	Cell adhesion
Biomarker Target	Integrin Receptors (alphavbeta3, alpha5beta1)
Research Area	Cell Biology
Sub-category	Integrin Signaling & Cell Adhesion

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