

Dimer eptifibatide

PRODUCT DESCRIPTION

Dimer eptifibatide is a 71-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	BPT1805
Molecular Weight	1663.9198 Da
Molecular Formula	C70H98N22O18S4
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:
`{Mpa}{Har}GDWPC{-NH2}{Seq,Disulfidebridge}{Mpa}{Har}GDWPC{-NH2}(Disulfidebridge:{Mpa}1-{Mpa}10,Cys7-Cys16)`

Three-Letter Code:
`H-{Mpa}-{HomoArg}-Gly-Asp-Trp-Pro-Cys-{-NH2}-{Seq,Disulfidebridge}-{Mpa}-{HomoArg}-Gly-Asp-Trp-Pro-Cys-{-NH2}-OH(Disulfidebridge:{Mpa}1-{Mpa}10,Cys7-Cys16)`

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
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