

[Des-Leu26,Cys(Acm)20,31]-EGF (20-31)

PRODUCT DESCRIPTION

[Des-Leu26,Cys(Acm)20,31]-EGF (20-31) is a 21-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	BPT1551
Molecular Weight	1430.5795 Da
Molecular Formula	C57H87N15O22S3
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

{Cys(Acm)}MHIESDSYT{Cys(Acm)}

Three-Letter Code:

H-{Cys(Acm)}-Met-His-Ile-Glu-Ser-Asp-Ser-Tyr-Thr-{Cys(Acm)}-OH

RESEARCH APPLICATIONS

Application	Tissue repair
Biomarker Target	Growth Factors
Research Area	Dermatology
Sub-category	Wound Healing & Tissue Regeneration

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