

LEAP-2 (38-77) (Human)

PRODUCT DESCRIPTION

LEAP-2 (38-77) (Human) is a 40-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	BPT1426
Molecular Weight	4585.2913 Da
Molecular Formula	C191H320N64O57S5
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

MTPFWRGVSLRPIGASCRDDSECITRLCRKRRCSLSVAQE

Three-Letter Code:

H-Met-Thr-Pro-Phe-Trp-Arg-Gly-Val-Ser-Leu-Arg-Pro-Ile-Gly-Ala-Ser-Cys-Arg-Asp-Asp-Ser-Glu-Cys-Ile-Thr-Arg-Leu-Cys-Arg-Lys-Arg-Arg-Cys-Ser-Leu-Ser-Val-Ala-Gln-Glu-OH

RESEARCH APPLICATIONS

Application	Receptor binding
Biomarker Target	Disulfide-bonded Target
Research Area	Pharmacology
Sub-category	Receptor Ligands & Peptide Drugs

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