

IL-1b (178-207) (human)

PRODUCT DESCRIPTION

IL-1b (178-207) (human) is a 30-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	BPT2058
Molecular Weight	3491.9925 Da
Molecular Formula	C157H256N38O49S1
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

LKEKNLYLSCVLKDDKPTLQLESVDPKNYP

Three-Letter Code:

H-Leu-Lys-Glu-Lys-Asn-Leu-Tyr-Leu-Ser-Cys-Val-Leu-Lys-Asp-Asp-Lys-Pro-Thr-Leu-Gln-Leu-Glu-Ser-Val-Asp-Pro-Lys-Asn-Tyr-Pro-OH

RESEARCH APPLICATIONS

Application	Biological activity
Biomarker Target	Peptide Target
Research Area	Biomedical Research
Sub-category	Research Peptides & Tools

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