

Icatibant acetate

PRODUCT DESCRIPTION

Icatibant acetate -- 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	BPT2761
CAS Number	130308-48-4/138614-30-9
Molecular Weight	1304.54 Da
Molecular Formula	C59H89N19O13S
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

[D-R]-R-P-[Hyp]-G-[Thi]-S-[D-Tic]-[Oic]-R

Three-Letter Code:

D-Arg-Arg-Pro-Hyp-Gly-Thi-Ser-D-Tic-Oic-Arg

RESEARCH APPLICATIONS

Application	Receptor binding
Biomarker Target	Bradykinin Receptors (B1/B2)
Research Area	Inflammation
Sub-category	Kinin-Kallikrein System

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