

AdTx1

PRODUCT DESCRIPTION

AdTx1 is a 104-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	BPT1040
Molecular Weight	7283.1598 Da
Molecular Formula	C310H481N87O100S8
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

LTCVTSKSI FGITTEDCPDGQNLCKRRHYVVPKIYDSTRGCAATCPIPENYDSIHCKTDKCNE(Disulfidebridge:Cys3-Cys24,Cys17-Cys42,Cys46-Cys57,Cys58-Cys63)

Three-Letter Code:

H-Leu-Thr-Cys-Val-Thr-Ser-Lys-Ser-Ile-Phe-Gly-Ile-Thr-Thr-Glu-Asp-Cys-Pro-Asp-Gly-Gln-Asn-Leu-Cys-Phe-Lys-Arg-Arg-His-Tyr-Val-Val-Pro-Lys-Ile-Tyr-Asp-Ser-Thr-Arg-Gly-Cys-Ala-Ala-Thr-Cys-Pro-Ile-Pro-Glu-Asn-Tyr-Asp-Ser-Ile-His-Cys-Cys-Lys-Thr-Asp-Lys-Cys-Asn-Glu-OH(Disulfidebridge:Cys3-Cys24,Cys17-Cys42,Cys46-Cys57,Cys58-Cys63)

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