

Charybdotoxin

PRODUCT DESCRIPTION

Charybdotoxin is a 72-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	BPT2370
CAS Number	95751-30-7
Molecular Weight	4295.8754 Da
Molecular Formula	C176H277N57O55S7
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

{Pyr}FTNVSCTTSKECWSVCQRLHNTSRGKCMNKKRCYS(Disulfidebridge:Cys7-Cys28,Cys13-Cys33,Cys17-Cys35)

Three-Letter Code:

H-{Pyr}-Phe-Thr-Asn-Val-Ser-Cys-Thr-Thr-Ser-Lys-Glu-Cys-Trp-Ser-Val-Cys-Gln-Arg-Leu-His-Asn-Thr-Ser-Arg-Gly-Lys-Cys-Met-Asn-Lys-Lys-Cys-Arg-Cys-Tyr-Ser-0H(Disulfidebridge:Cys7-Cys28,Cys13-Cys33,Cys17-Cys35)

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
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