

PTD-DBM

PRODUCT DESCRIPTION

PTD-DBM (Protein Transduction Domain-Dishevelled Binding Motif) is a cell-penetrating peptide that disrupts CXXC5-Dishevelled interaction to reactivate Wnt/beta-catenin signaling. Promotes hair regrowth and follicle neogenesis in preclinical models. Novel approach to hair regeneration through intracellular protein-protein interaction modulation.

PRODUCT SPECIFICATIONS

Catalog Number	BPT2895
CAS Number	1609454-11-6
Molecular Weight	3082.60 Da
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

RRRRRRRRGGRKTGHQICKFRKC

Three-Letter Code:

H-Arg-Arg-Arg-Arg-Arg-Arg-Arg-Arg-Gly-Gly-Arg-Lys-Thr-Gly-His-Gln-Ile-Cys-Lys-Phe-Arg-Lys-Cys-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