

[Des-Asp187, Met186]-Melanocyte Protein PMEL 17 (185-193) (human, bovine, mouse)

PRODUCT DESCRIPTION

[Des-Asp187, Met186]-Melanocyte Protein PMEL 17 (185-193) (human, bovine, mouse) is a 18-amino-acid A peptide related to the melanocortin system, derived from proopiomelanocortin (POMC) or its analogs. Melanocortins signal through MC1R-MC5R receptors to regulate pigmentation, inflammation, energy homeostasis, and sexual function. Used in dermatology, endocrinology, and neuroscience research for studying melanocortin receptor pharmacology and POMC processing.

PRODUCT SPECIFICATIONS

Catalog Number	BPT1476
CAS Number	255710-51-1
Molecular Weight	2176.3606 Da
Molecular Formula	C98H138N26O29S1
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

DEGPYKMEHFRWGSPPKD

Three-Letter Code:

H-Asp-Glu-Gly-Pro-Tyr-Lys-Met-Glu-His-Phe-Arg-Trp-Gly-Ser-Pro-Pro-Lys-Asp-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
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Usage

Research use

QUALITY CONTROL

Purity Method

HPLC, Mass Spectrometry (MS)

Identity

Confirmed by ESI-MS or MALDI-TOF

Purity

Peak Area by HPLC $\geq 95\%$

Documentation

Certificate of Analysis (CoA) available upon request