

MCH-Gene-Overprinted-Polypeptide-14 (rat)

PRODUCT DESCRIPTION

MCH-Gene-Overprinted-Polypeptide-14 (rat) is a 48-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 ($\geq 95\%$ by HPLC) as a lyophilized powder for reconstitution in appropriate buffers.

PRODUCT SPECIFICATIONS

Catalog Number	BPT1457
CAS Number	182917-44-8
Molecular Weight	3284.8421 Da
Molecular Formula	C145H227N39O40S4
Purity	Peak Area by HPLC $\geq 95\%$
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

SDTCWSTTSFQKKTIIHCKWREKPLMLM(Disulfidebridge:Cys4-Cys17)

Three-Letter Code:

H-Ser-Asp-Thr-Cys-Trp-Ser-Thr-Thr-Ser-Phe-Gln-Lys-Lys-Thr-Ile-His-Cys-Lys-Trp-Arg-Glu-Lys-Pro-Leu-Met-Leu-Met-O
H(Disulfidebridge:Cys4-Cys17)

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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Research use

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