

pTH-Related Protein Splice Isoform 3 (140-173) (human)

PRODUCT DESCRIPTION

pTH-Related Protein Splice Isoform 3 (140-173) (human) is a 34-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	BPT1203
CAS Number	139872-85-8
Molecular Weight	4059.9216 Da
Molecular Formula	C186H313N53O44S2
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:

TALLWGLKKKKENNRTRTHMQLMISLFKSPLLLL

Three-Letter Code:

H-Thr-Ala-Leu-Leu-Trp-Gly-Leu-Lys-Lys-Lys-Lys-Glu-Asn-Asn-Arg-Arg-Thr-His-His-Met-Gln-Leu-Met-Ile-Ser-Leu-Phe-Lys-Ser-Pro-Leu-Leu-Leu-Leu-OH

RESEARCH APPLICATIONS

Application	Receptor binding
Biomarker Target	PTH Receptor (PTH1R)
Research Area	Endocrinology
Sub-category	Parathyroid Hormone & Bone Metabolism

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