

Rusfertide

PRODUCT DESCRIPTION

Rusfertide is a 58-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	BPT0235
CAS Number	1628323-80-7
Molecular Weight	2441.9438 Da
Molecular Formula	C114H181N27O28S2
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

{Isovaleric}DTHFPCI{(Pal-gamma-Glu)Lys}FEPRSGCK-NH2(Disulfidebridge:Cys7-Cys17)

Three-Letter Code:

H-{Isovaleric}-Asp-Thr-His-Phe-Pro-Cys-Ile-{(Pal-gamma-Glu)Lys}-Phe-Glu-Pro-Arg-Ser-Lys-Gly-Cys-Lys-NH2(Disulfidebridge:Cys7-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
--------------	-------------

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