

Vasoactive Intestinal Constrictor [VIC]; Endophilin Beta, Mouse

PRODUCT DESCRIPTION

Vasoactive Intestinal Constrictor [VIC]; Endophilin Beta, Mouse 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 (>=95% by HPLC) as a lyophilized powder for reconstitution in appropriate buffers.

PRODUCT SPECIFICATIONS

Catalog Number	BPT1190
Molecular Weight	2573.9348 Da
Molecular Formula	C116H161N27O32S4
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

CSCNSWLDKECVYFCHLDIIW(Disulfidebridge:Cys1-Cys15,Cys3-Cys11)

Three-Letter Code:

H-Cys-Ser-Cys-Asn-Ser-Trp-Leu-Asp-Lys-Glu-Cys-Val-Tyr-Phe-Cys-His-Leu-Asp-Ile-Ile-Trp-OH(Disulfidebridge:Cys1-Cys15,Cys3-Cys11)

RESEARCH APPLICATIONS

Application	Receptor binding
Biomarker Target	VIP/PACAP Receptors (VPAC1/2)
Research Area	Neuroscience
Sub-category	VIP/PACAP Signaling

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