

Cholecystokinin-33 (1-21) (porcine)

PRODUCT DESCRIPTION

Cholecystokinin-33 (1-21) (porcine) is a 21-amino-acid A peptide related to the cholecystokinin (CCK) family, which regulates gallbladder contraction, pancreatic enzyme secretion, satiety, and anxiety-like behavior through CCK-A and CCK-B receptors. Used in gastrointestinal, metabolic, and neuroscience research for studying digestive physiology, appetite regulation, and anxiogenic/anxiolytic mechanisms.

PRODUCT SPECIFICATIONS

Catalog Number	BPT2116
Molecular Weight	2321.6518 Da
Molecular Formula	C98H169N33O30S1
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

KAPSGRVSMIKNLQSLDPSHR

Three-Letter Code:

H-Lys-Ala-Pro-Ser-Gly-Arg-Val-Ser-Met-Ile-Lys-Asn-Leu-Gln-Ser-Leu-Asp-Pro-Ser-His-Arg-OH

RESEARCH APPLICATIONS

Application	Receptor binding
Biomarker Target	CCK Receptors (CCK-A/B)
Research Area	Gastroenterology
Sub-category	Cholecystokinin & Digestive Regulation

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