

Cholecystokinin Octapeptide (1-4) (desulfated)

PRODUCT DESCRIPTION

Cholecystokinin Octapeptide (1-4) (desulfated) is a 4-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	BPT2109
CAS Number	80790-40-5
Molecular Weight	484.5222 Da
Molecular Formula	C20H28N4O8S1
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

DYMG

Three-Letter Code:

H-Asp-Tyr-Met-Gly-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
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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