

Boc-Cholecystokinin Octapeptide (3-8)

PRODUCT DESCRIPTION

Boc-Cholecystokinin Octapeptide (3-8) is a 11-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    | BPT2113                              |
| Molecular Weight  | 885.0587 Da                          |
| Molecular Formula | C41H56N8O10S2                        |
| Purity            | Peak Area by HPLC >=95%              |
| Form              | Lyophilized                          |
| Source            | Synthetic (Chemical Synthesis, SPPS) |
| Endotoxin         | N/A (Synthetic peptide)              |

AMINO ACID SEQUENCE

One-Letter Code:

Boc-MGWMDF-NH2

Three-Letter Code:

Boc-Met-Gly-Trp-Met-Asp-Phe-NH2

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 |