

N-Acetyl Selank

PRODUCT DESCRIPTION

N-Acetyl Selank is an N-terminally acetylated derivative of Selank with improved resistance to enzymatic degradation. Preserves allosteric GABA-A receptor modulation, neurotransmitter regulation, enkephalinase inhibition, and cytokine balance modulation with enhanced metabolic stability.

PRODUCT SPECIFICATIONS

|                   |                                      |
|-------------------|--------------------------------------|
| Catalog Number    | BPT2886                              |
| CAS Number        | N/A                                  |
| Molecular Weight  | ~793.90 Da                           |
| Molecular Formula | C33H57N11O9                          |
| Purity            | Peak Area by HPLC >=95%              |
| Form              | Lyophilized                          |
| Source            | Synthetic (Chemical Synthesis, SPPS) |
| Endotoxin         | N/A (Synthetic peptide)              |

AMINO ACID SEQUENCE

One-Letter Code:

Ac-Thr-Lys-Pro-Arg-Pro-Gly-Pro-OH

Three-Letter Code:

H-Thr-{D-His}-{D-Arg}-Leu-{D-Tyr}-{D-Ser}-Pro-{D-Arg}-{D-Pyl}-Ala-{D-Arg}-{D-Gly}-Pro-{D-Arg}-{D-Pyl}-Gly-{D-Leu}-{D-Tyr}-Pro-{D-Arg}-{D-Pyl}-Pyl-His-OH

RESEARCH APPLICATIONS

|                  |                                         |
|------------------|-----------------------------------------|
| Application      | Neuroprotection                         |
| Biomarker Target | Neurotrophic Factors                    |
| Research Area    | Neuroscience                            |
| Sub-category     | Neuroprotection & Cognitive Enhancement |

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 |