



# AMINO PEPTIDES

## PRODUCT SPECIFICATION SHEET

Note: This document details the theoretical chemical properties and target specifications of this research compound. For batch-specific, independent laboratory test results, please refer to the independent Certificate of Analysis (C.O.A.) provided on our product page.

### 1. Product Identification

**Product Name:** BPC-157 & TB-500 Blend (1:1)

**Synonyms:** Pentadecapeptide BPC 157 / Thymosin Beta-4

**CAS Number:** 137525-51-0 (BPC-157), 77591-33-4 (TB-500)

**PubChem CID:** 9941957 (BPC-157), 16131447 (TB-500)

### 2. Chemical Properties

*BPC-157*

**Amino Acid Sequence:** Val-Pro-Pro-Asp-Pro-Arg-Pro-Arg-Pro-Ile-Pro-Gly-Pro-Asp-Ser

**Molecular Formula:** C<sub>62</sub>H<sub>98</sub>N<sub>16</sub>O<sub>22</sub>

**Theoretical Molecular Weight:** 1419.5 Da

*TB-500 (Thymosin Beta-4)*

**Amino Acid Sequence:**

Ac-Ser-Asp-Lys-Pro-Asp-Met-Ala-Glu-Ile-Glu-Lys-Phe-Asp-Lys-Ser-Lys-Leu-Lys-Lys-Thr-Glu-Thr-Gln-Glu-Lys-Asn-Pro-Leu-Pro-Ser-Lys-Glu-Thr-Ile-Glu-Gln-Glu-Lys-Gln-Ala-Gly-Glu-Ser

**Molecular Formula:** C<sub>212</sub>H<sub>350</sub>N<sub>56</sub>O<sub>78</sub>S<sub>1</sub>

**Theoretical Molecular Weight:** 4963.4 Da

**Form:** Lyophilised powder

**Appearance:** Solid, White

### 3. Target Specifications

**Target Purity (HPLC):** >= 98.0% (per peptide)

**Target Identity (MS):** Expected MW 1419.5 Da & 4963.4 Da (± standard analytical tolerance)

**Expected Peptide Content:** >= 80.0%



# AMINO PEPTIDES

## 4. Storage and Handling Guidelines

**Storage (Lyophilised):** Store at  $-20^{\circ}\text{C}$  or below. Protected from light and moisture.

**Storage (Reconstituted):** Store at  $2^{\circ}\text{C}$  to  $8^{\circ}\text{C}$  for up to 20 days. Do not freeze once reconstituted.

**Usage:** For laboratory research and in-vitro use only. Not for human or veterinary use.

