



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: TB-500 (Thymosin Beta-4 Fragment 17-23)

Synonyms: Ac-LKKTETQ, N-acetylated 17-23 fragment of thymosin beta-4 (Note: Often incorrectly conflated in the research industry with full-length 43-AA Thymosin Beta-4)

CAS Number: 885340-08-9

PubChem CID: 62707662

2. Chemical Properties

Amino Acid Sequence: Ac-Leu-Lys-Lys-Thr-Glu-Thr-Gln-OH

Molecular Formula: C₃₈H₆₈N₁₀O₁₄

Theoretical Molecular Weight: 889.01 Da

Form: Lyophilised powder

Appearance: Solid, White

3. Target Specifications

Target Purity (HPLC): >= 98.0%

Target Identity (MS): Expected MW 889.01 Da (± standard analytical tolerance)

Expected Peptide Content: >= 80.0%

4. Storage and Handling Guidelines

Storage (Lyophilised): Store at -20°C or below. Protected from light and moisture.

Storage (Reconstituted): Store at 2°C to 8°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.