

TB-500 (Thymosin Beta-4)

Research peptide · 2 mg / vial

Specifications

CAS number	77591-33-4
Molecular formula	C ₂₁₂ H ₃₅₀ N ₅₆ O ₇₈ S
Molecular weight	4963.44 g/mol
HPLC purity	≥99%
Physical form	Lyophilized powder
Vial size	2 mg / vial
Amino-acid sequence	Ac-SDKPDMAEIEKFDKSKLKKKTETQ
Storage	Store lyophilized at -20 °C, protected from light. Stable 24 months from manufacture.

Every lot is independently verified

HPLC purity and mass-spec identity are published for every batch. Enter the lot number printed on your vial at pepbiotics.com/lab-results to read the exact certificate of analysis for your material.

Reconstitution & handling

For laboratory research use only. Reconstitute with bacteriostatic water or 0.9% sodium chloride under aseptic technique. Add diluent slowly against the vial wall and swirl - do not shake. Store the reconstituted solution at 2-8 °C and use within the study window. Not for injection into humans or animals.

Studied research applications

- **Tissue-repair pathways**
Investigated in preclinical models for effects on connective-tissue, muscle, and gastrointestinal repair.
- **Angiogenesis & cytoprotection**
Studied in the research literature for modulation of vascular signaling and cytoprotective effects under experimental stress.