

Thymosin Alpha-1

Research peptide · 5 mg / vial

Specifications

CAS number	62304-98-7
Molecular formula	C ₁₂₉ H ₂₁₅ N ₃₃ O ₅₅
Molecular weight	3108.3 g/mol
HPLC purity	≥99%
Physical form	Lyophilized powder
Vial size	5 mg / vial
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

- **Neuropeptide signaling**
Studied for effects on neurotrophic (BDNF/NGF) and neuromodulatory pathways in preclinical cognition models.
- **Cellular-longevity research**
Investigated in cell-culture and animal-aging models for effects on cellular-senescence and longevity-associated pathways.