PEPTIDE

# TB-500 (Thymosin ²-4fragment)

Active fragment of Thymosin ²-4 (T²4);upregulates actin polymerization and endothelial cell migration.

BIOGATE · GREEN | POSTERIOR 31.6% | MW 889.0 | 7AA

**SEQUENCE**

LKKTETQ

Modifications: amidated C-terminus

## PDA-V1 chain of custody

Outer hash

`bc76982cbd7699bfbe769b52bf769ce5b87691e0b9769373ba76950`

Merkle root

`71744-f3570744da26f744c0f6e744a7c6d7448e96c7447566b7445c36a744430`

Inputs

`0-c8e0cac0d8e0e3f0e8e0fd20f8e1165088e0660098e07f30a8e0986`

TEE attestation

`09-b701db08b700480bb705010ab7036e0db708270cb706940fb70b4d0eb709ba`

## Living Outcome Oracle

± =31.7 ² =68.7 **P(success) = 31.6%**

95% CI [19.6%, 43.6%]

## Suggested protocol

### Post-Surgical Soft-Tissue Recovery

GRADE B

Accelerated tendon and connective-tissue recovery following elective orthopedic surgery

*Dose protocol redacted for researcher audience.*

**MONITORING ENDPOINTS**

- VAS pain score
- ROM (goniometric)
- CRP
- WHOOP recovery score 7-day rolling

## Seven-rule export gate

7 / 7 rules satisfied · audience: researcher · Full attestation set, raw posteriors, all hashes

- Grade A or B citation present on the core claim
- BioGate verdict is GREEN or AMBER (RED/BLACK refused)
- Jurisdiction permits the audience-appropriate use
- RWE summary attached when claim depends on outcome data
- Prediction-outcome pairs disclosed when posterior cited
- No human-use claim beyond cited indications
- COA registry lookup available for any synthesis claim

## Citations

GRADE A

2010 · Angiogenesis

**Thymosin beta-4 and angiogenesis: modes of action and therapeutic potential**

Smart N et al.

PMID 18387880