

# TB-500: A Synthetic Peptide for Healing

TB-500 is a synthetic fraction of thymosin beta-4. It's designed to promote healing in various tissues. This peptide has shown promising effects on tendons, ligaments, muscles, skin, heart, and eyes.



# Composition and Structure

1

## Amino Acid Chain

TB-500 is derived from a 43 amino acid protein called thymosin beta-4.

2

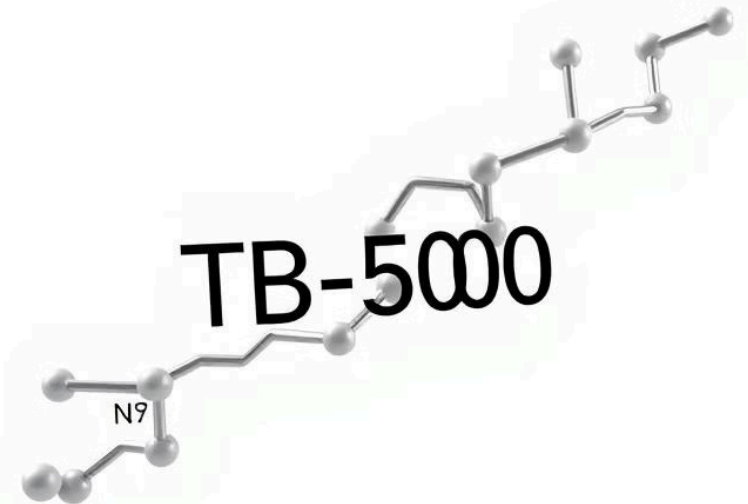
## Synthetic Production

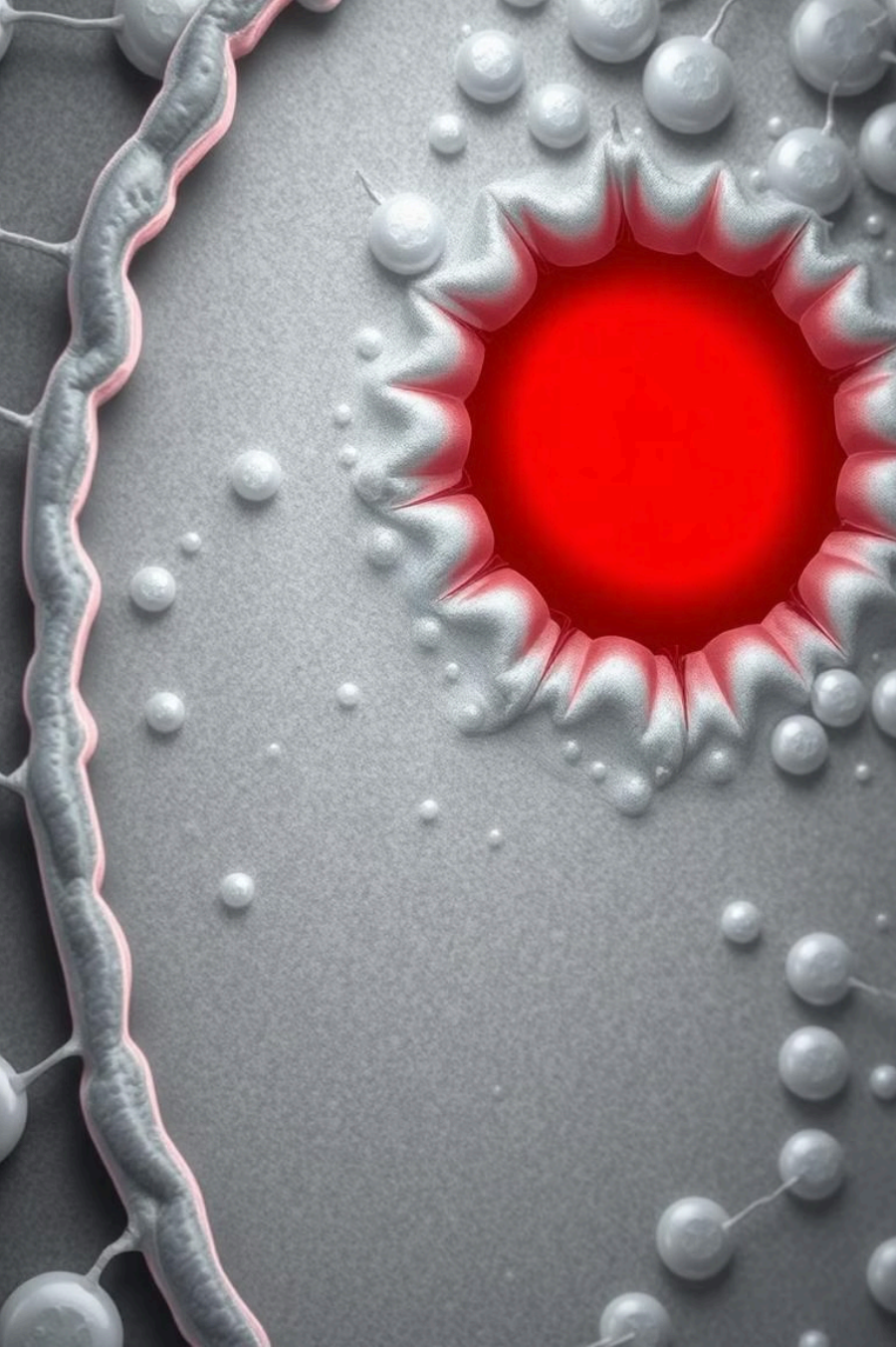
It's artificially created to mimic the healing properties of the natural protein.

3

## Peptide Structure

The specific structure of TB-500 allows it to interact with various tissues in the body.





# Cellular Effects

1

## Cell Proliferation

TB-500 increases the number of cells involved in the healing process.

2

## Cell Migration

It improves the movement of cells to the site of injury, enhancing repair.

3

## Tissue Regeneration

TB-500 promotes significant repair and regenerative properties in various tissues.

# Soft Tissue Repair

## Tendons

TB-500 aids in repairing damaged tendons, improving flexibility and reducing pain.

## Ligaments

It promotes healing in ligaments, enhancing joint stability and function.

## Muscles

TB-500 supports muscle repair, beneficial for sports and athletic injuries.

A close-up photograph of human skin. In the upper right, there is a small, faint red mark or scratch. In the lower left, a small, clear, spherical droplet of liquid is resting on the skin's surface.

# Additional Healing Benefits

## Scar Tissue Reduction

TB-500 helps minimize scar tissue formation during the healing process.

## Improved Mortality Rate

Studies suggest it may enhance survival rates in certain medical conditions.

## Eye and Heart Health

TB-500 shows potential benefits for ocular and cardiac tissue repair.





# Muscle Enhancement Effects



## Muscle Growth

TB-500 may contribute to enlarged muscle growth and improved muscle tone.



## Muscular Stamina

Users report increased muscular endurance and improved recovery times.



## Athletic Performance

These effects potentially enhance overall athletic performance and strength.

# Administration and Dosage

Product	TB-500 15 mg Lyophilized
Vial Size	10mL
Reconstitution	4mL bacteriostatic water
Injection	50 units subcutaneously
Frequency	2x per week

