



SHORT CHAIN
A M I N O S
RESEARCH

THE ESSENTIAL GUIDE TO BPC157 & TB500

Learn about these two healing peptides and their common research results.



DISCLAIMER

Due to their legal designation in the United States, SARMs and peptides are not dietary supplements nor are they intended for human ingestion or for use in products that may be ingested. They are also not intended for veterinary use. SARMs and peptides are research chemicals intended for medical and scientific research purposes only. This distinction is required on the labels of research chemicals, and is what exempts them from regulation under parts 100-740 in Title 21 of the Code of Federal Regulations (21CFR).

Discussion of SARMs and peptides within this document does not constitute a license to, or a recommendation for, its illegal use in any way whatsoever.

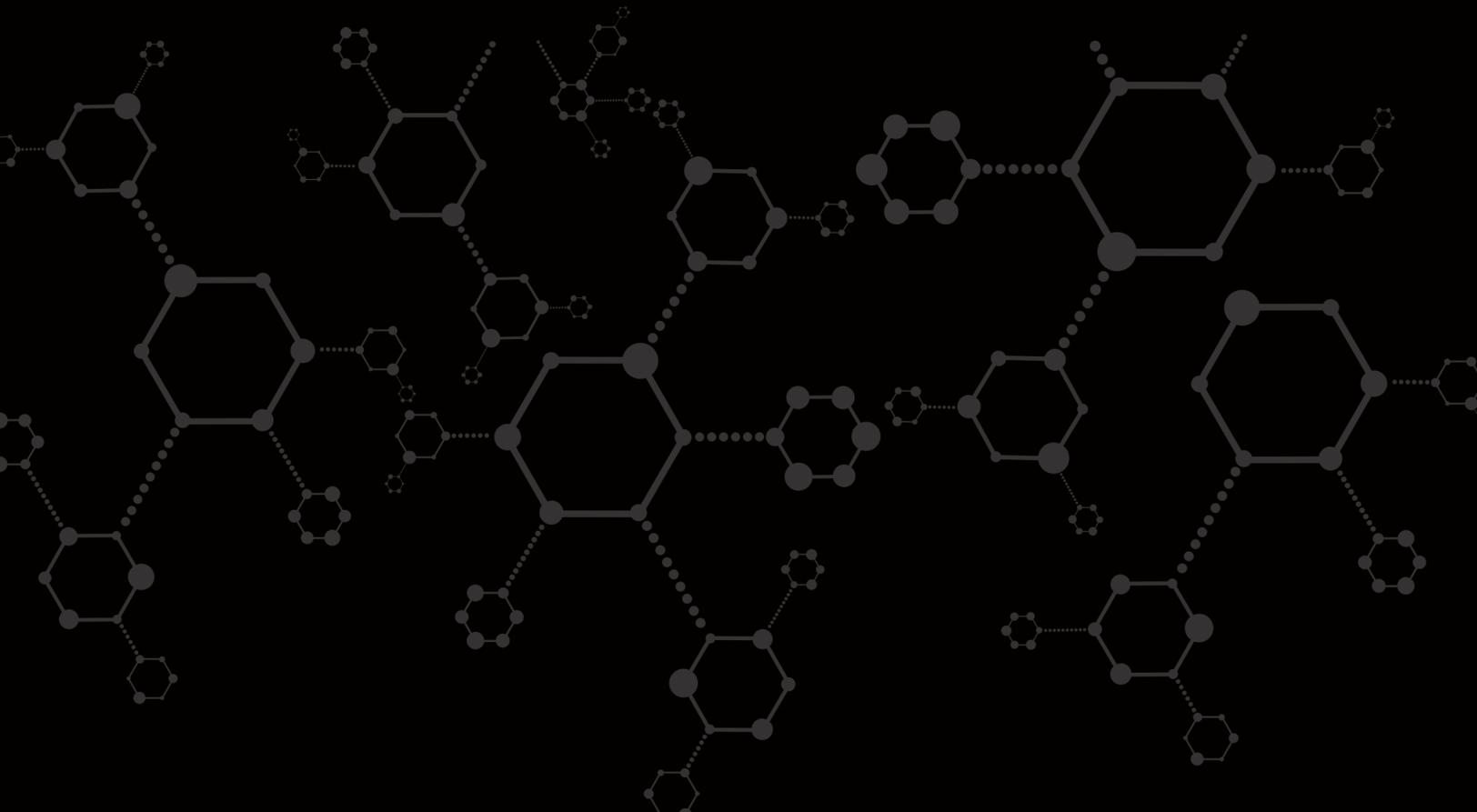


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BPC157 INTRODUCTION

BPC-157 gets its name because it's a partial sequence of body protection compound and is composed of 15 amino acids.

It has been shown to accelerate the healing of many different injuries and wounds in test subjects.

For example, it helped enhance the healing of a test rat's Achilles tendon that was sliced apart.

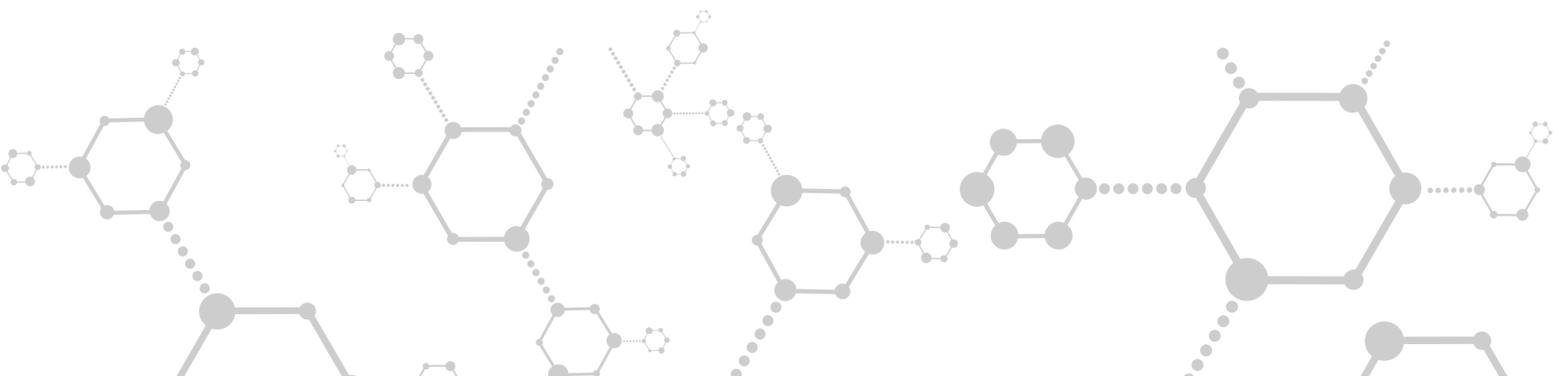
BPC-157 is also often researched for its effects on stomach and intestinal conditions such as:

- Fistulas
- Ulcers
- Inflammatory bowel syndrome (IBS)
- Leaky gut



This peptide works by accelerating the rate of angiogenic repair, which means it allows the formation of new blood vessels and increases vascular flow to the injury site to enhance healing.

It can be administered several different ways, depending on the desired effects.



BPC157 HIGHLIGHTS

What it's used for:

Accelerate the healing, recovery and repair; improve gut health

Common characteristics/results:

- Accelerated wound healing (muscle, ligament, tendon, nerve)
- Promotes the outgrowth of tendon fibroblasts, cell survival under stress, and the migration of tendon fibroblasts
- Protects and heals inflamed intestinal epithelium (leaky gut)
- Anti-inflammatory (and has been shown to help with arthritis)
- Has been shown to decrease pain in damaged areas
- Increases growth hormone receptors
- Protects the liver from toxic exposure (alcohol, antibiotics, etc.) and promotes healing
- May improve Nitric Oxide production
- Improves digestive function
- Has been shown to help with IBS (Inflammatory Bowel Syndrome)



BPC157 ROUTES OF ADMINISTRATION

BPC-157 can be administered several different ways.

The most common methods are oral (in capsule form), intranasal, and injection (both subcutaneous and intramuscular).

BPC-157 capsules (oral administration) and nasal spray offer a more systemic effect, which makes this method best suited for treating stomach and intestinal problems.

However, [this study](#) provides compelling evidence that oral administration of BPC-157 can also help with ligament healing.

Injection is a common route of administration for inflammation, muscle sprains, inflammation, ligament damage, and pain.

Injections are generally administered as close to the injury site as possible.



TB500 INTRODUCTION

TB-500 is a synthetic replica of Thymosin Beta 4, a naturally occurring protein peptide that is found in the bodies of both animals and humans.

It is produced in the thymus gland and is found in high concentrations in wound fluids.

In animal models, TB-500 has been shown to improve blood vessel growth, regulate wound healing, decrease inflammation, and reduce oxidative damage in the heart and central nervous system.

It has been shown to play a role in protection, tissue repair, regeneration and remodeling of injured or damaged tissues. It is also of active interest in anti-aging research.

The healing capability is due in large from the peptide's regulation of actin, a cell building protein essential to healing and wound repair.



TB500 HIGHLIGHTS

What it's used for:

Accelerate healing, repair, and recovery of injuries and wounds

Common characteristics/results:

- Greater muscle growth through increased strength
- Greater stamina levels
- Promotes wound healing and cell growth
- Increases flexibility
- Reduction of acute and/or chronic pain including inflammation
- Increased hair growth



TB500 ROUTES OF ADMINISTRATION

TB-500 is most commonly administered via injection (subcutaneous, intravenous, and intramuscular) or intranasally.

TB-500 has a systemic effect, which means it promotes healing in injured tissue throughout the animal's body regardless of the location of administration.

This makes intranasal administration a popular method for its ease and convenience over injections.



BPC157 + TB500 BLEND

A major benefit of BPC-157 and TB-500 is that these peptides stack well with each other.

While BPC157 upregulates the growth hormone cell receptors, TB500 improves the speed of the entire healing process.

Both peptides work synergistically to stimulate the healing process through complementary mechanisms.



WHERE TO GET LEGITIMATE, HIGH QUALITY BPC157 AND TB500

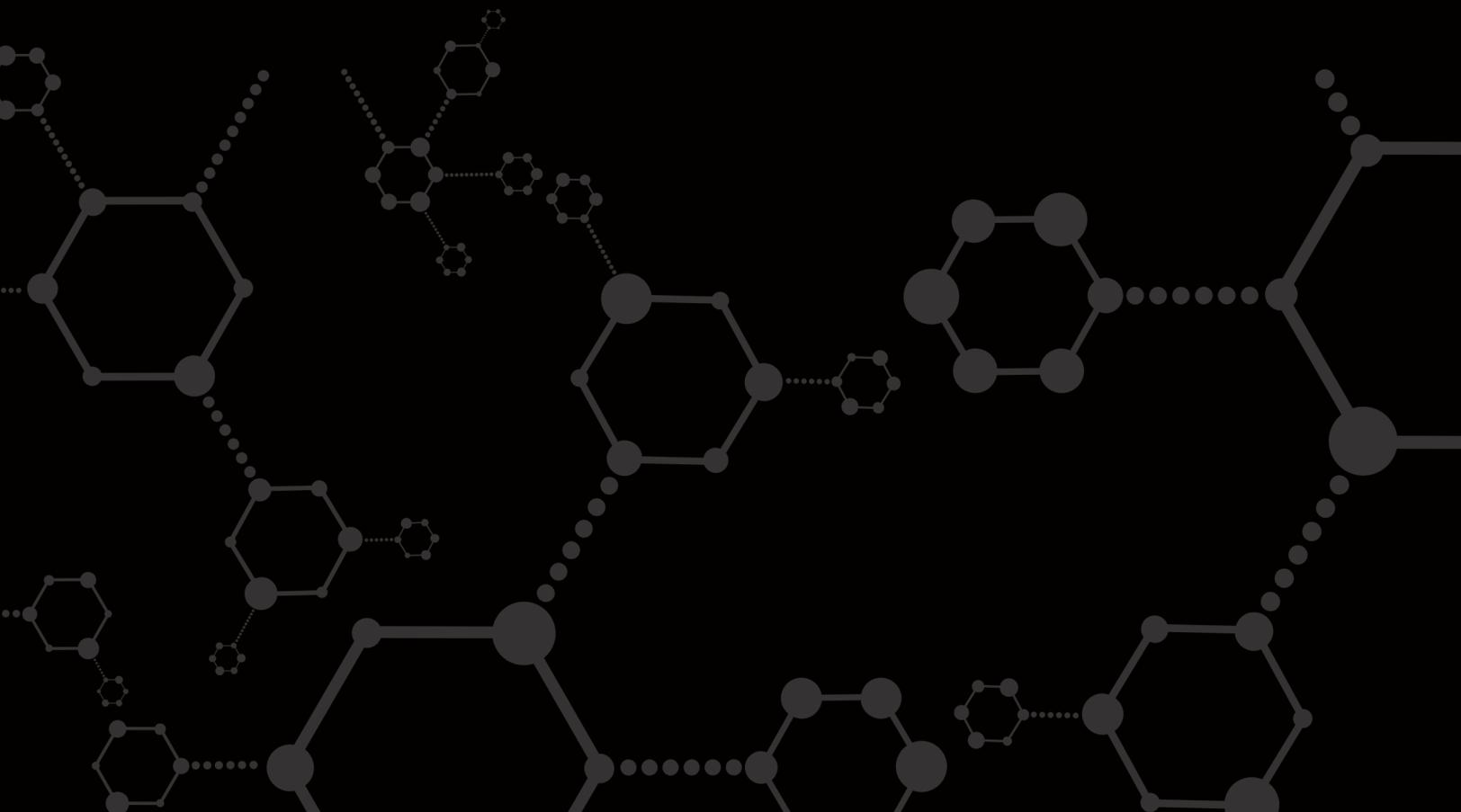
You can't trust just any site selling research chemicals online because there's very little quality control in this industry.

Short Chain Aminos, on the other hand, is a trustworthy source for high-quality research chemicals, including [BPC-157](#) and [TB-500](#).

We even offer a [BPC-157 + TB-500 blend](#).

We conduct purity testing on all our compounds and post our test results on our website.

We also have thousands of happy customers who have said this about us:



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REFERENCES

[The promoting effect of pentadecapeptide BPC 157 on tendon healing involves tendon outgrowth, cell survival, and cell migration | Journal of Applied Physiology](#)

[Pentadecapeptide BPC 157 \(PL 14736\) improves ligament healing in the rat](#)

[Pentadecapeptide BPC 157 and its effects on a NSAID toxicity model: diclofenac-induced gastrointestinal, liver, and encephalopathy lesions](#)

[Salutary effect of gastric pentadecapeptide BPC 157 in two different stress urinary incontinence models in female rats](#)

[Doping control analysis of TB-500, a synthetic version of an active region of thymosin \$\beta_4\$, in equine urine and plasma by liquid chromatography-mass spectrometry](#)

[Thymosin beta4 accelerates wound healing](#)

[Animal studies with thymosin beta, a multifunctional tissue repair and regeneration peptide](#)

