

BPC 157 2000mcg/mL
BPC 157 500 mcg/mL Oral Capsules

BPC-157 (Body protection compound) is a pentadecapeptide that potentially promotes wound healing based on muscle and tendon restorative properties via angiogenic repair intensification.¹ It's composed of 15 amino acids found in and accessed from human gastric juice.³ BPC-157 has provided promising results to support healing of multiple tissues in animal studies.⁴ Such accelerated healing has been demonstrated in skin, muscle, bone, ligament, and tendons.

The use of BPC-157 has primarily been utilized to promote accelerated healing in multiple tissues, however, is an anti-ulcer peptide recognized for therapeutic effectiveness in inflammatory bowel disease treatment.⁵ Recent focus has centered on the peptides nervous system and intramuscular regenerative and healing properties. BPC-157 has been recognized as a powerful angiomodulatory agent maximizing vascular response, and, subsequent promotion of the healing process.⁶

Pevec et al. (2010) examined effects of pentadecapeptide BPC-157 on muscle healing impaired by systemic corticosteroid application in rats.² Following gastrocnemius muscle complex injury, rats received BPC-157 intraperitoneally or local cream application and/or a corticosteroid. Findings suggest BPC-157 comprehensively inverted systemic corticosteroid-impaired muscle healing, promoting swifter muscle healing and functionality, likely an efficient therapeutic intervention to progress muscle healing regardless of corticosteroid treatment. Chang et al. (2011) investigated action mechanisms of BPC-157 in accelerating healing of injured rat tendons. The researchers conclude, "BPC 157 promotes the ex vivo outgrowth of tendon fibroblasts from tendon explants, cell survival under stress, and the in vitro migration of tendon fibroblasts, which is likely mediated by the activation of the FAK-paxillin pathway" (Abstract).³ In related research using male Sprague-Dawley rats, Chang et al. (2014) found that BPC-157 augmented growth hormone (GH) receptor in tendon fibroblasts, perhaps actuating production effects of GH, and, by extension, intensifying tendon healing.⁴

Suggested benefits:

- Accelerated skin, bone, ligament, and tendon repair;
- Favorable anti-allergen and anti-viral properties⁷;
- Relief from inflammatory bowel conditions;
- Repair of the Brain-Gut Axis⁷;
- Reverses opioid tolerance⁷.

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Sourced from:

- ¹“BPC-157 Regeneration Peptide - The Science, Reviews and Dosage and How It Is Used.” *VitaMonk*, www.vitam Monk.com/blogs/health/bpc-157-overview.
- ²Pevec, Danira et al. “Impact of pentadecapeptide BPC 157 on muscle healing impaired by systemic corticosteroid application.” *Medical Science Monitor : International Medical Journal Of Experimental And Clinical Research*, vol. 16, no. 3, 2010, pp. BR81-88 .
- ³Chang, Chung-Hsun, et al. “The Promoting Effect of Pentadecapeptide BPC 157 on Tendon Healing Involves Tendon Outgrowth, Cell Survival, and Cell Migration.” (Abstract). *Journal of Applied Physiology*, vol. 110, no. 3, 2011, pp. 774–780., doi:10.1152/jappphysiol.00945.2010.
- ⁴Chang, Chung-Hsun, et al. “Pentadecapeptide BPC 157 Enhances the Growth Hormone Receptor Expression in Tendon Fibroblasts.” *Molecules*, vol. 19, no. 11, 2014, pp. 19066–19077., doi:10.3390/molecules191119066.
- ⁵Cerovecki, Tomislav, et al. “Pentadecapeptide BPC 157 (PL 14736) Improves Ligament Healing in the Rat.” *Journal of Orthopedic Research*, vol. 28, no. 9, 2010, pp. 1155–1161., doi:10.1002/jor.21107.
- ⁶Seiwerth, Sven, et al. “BPC 157 and Blood Vessels.” *Current Pharmaceutical Design*, vol. 20, no. 7, 2014, pp. 1121–1125., doi:10.2174/13816128113199990421.
- ⁷Gordon, Jacob. “The 13+ Benefits of BPC-157 (Body Protective Compound) and Sources.” *MyBioHack*, MyBioHack | Unlock Your Maximum Potential, 28 Oct. 2017, mybiohack.com/blog/bpc-157-pl-14736-pl-10-pld-116.