PRESCRIPTION MONOGRAPH

Compounded Active Ingredients: BPC-157
Form: Topical Cream

Drug Class: Synthetic 15-amino-acid peptide

Mechanism of Action[1,2]**:** BPC-157 is a small protein fragment (peptide) with potential to help the body heal and recover. It is intended to:

- Support the cells involved in repairing damaged skin, allowing the skin to rebuild and recover after injury. Preclinical studies have shown effects on several stages of wound healing.
- Encourage the formation of small blood vessels around damaged tissue. This can help deliver the oxygen and nutrients the skin needs during the healing process.
- Support collagen production and organization as damaged skin rebuilds. Collagen provides strength and structure to newly repaired tissue.
- Help new skin cells grow and move across damaged areas, supporting re-epithelialization, the process by which the skin forms a new protective surface.
- Influence signaling involved in inflammation and tissue repair. This may help create an environment that supports recovery while damaged skin is healing.

Indications Commonly Prescribed For:

- Healing of minor skin injuries
- Recovery of damaged or irritated skin
- Skin repair following certain dermatologic procedures
- Areas of slow or difficult skin healing
- Minor cuts, abrasions, or superficial wounds
- Supporting tissue repair after skin injury
- Maintaining a healthier environment for wound recovery
- Skin requiring additional repair and barrier support

Before Use: Let your healthcare provider know if you

- Have any medication allergies before you take this compounded preparation.
- Have any liver or kidney problems.
- Are taking any supplements of medications
- Are using any other topical treatments

Contraindications:

- Active malignancy
- Known hypersensitivity to BPC-157 or formulation components
- Active or suspected skin infection unless appropriately treated
- Suspicious, precancerous, or malignant skin lesions
- Significant wounds requiring surgical or specialized wound management

Cautions: Let your Healthcare provider know if you experience any adverse side effects.

Compounded medications are not FDA-approved and may differ in risks, benefits, and side effects from FDA-approved products. These statements have not been evaluated by the FDA and are not intended to diagnose, treat or cure any disease or condition and do not indicate any claims of safety or efficacy. Individual results may vary.

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Warnings and Precautions:

- Theoretical cancer risk: Angiogenesis-promoting properties could promote tumor growth in susceptible individuals.
- Coagulation effects: Potential influence on clotting or vascular function warrants caution in patients with clotting disorders or those on anticoagulants.
- Autoimmune disorders: Consider immune modulation risks with chronic peptide use
- Cardiovascular disease: Monitor blood pressure due to potential NO interaction
- Do not substitute for proper wound care: Deep wounds, burns, infected wounds, diabetic ulcers, poorly healing surgical wounds, or wounds with impaired circulation require appropriate clinical assessment.

Adverse Reactions: If you experience any side effects or adverse reactions, including those not listed, please contact your healthcare provider. Seek emergency care if symptoms are severe.

Common:

- Burning or stinging
- Itching
- Dryness
- Local irritation
- Rash
- Application-site redness
- Inflammation or swelling
- Contact sensitivity

Serious, but Rare:

- Persistent dermatitis
- Allergic reaction
- Pathologic angiogenesis
- Toxic metabolite formation
- Overproduction of nitric oxide
- Changes in coagulation or vascular response
- Immune modulation

Interactions:

- Caution with other investigational peptides or agents affecting angiogenesis/NO pathways
- Other wound-healing products: Concurrent use could make it difficult to determine which treatment is responsible for improvement, irritation, or delayed healing.
- Topical corticosteroids: Corticosteroids may alter inflammatory and wound-healing responses and could theoretically counteract some desired repair processes depending on potency, duration, and treatment site.
- Strong exfoliants or retinoids: These may disrupt the skin barrier, potentially increasing irritation and possibly altering penetration of a peptide formulation.
- Products applied to open or compromised skin: Barrier disruption may result in substantially different absorption than application to intact skin.

Use in Specific Populations:

- Pregnancy/lactation: Avoid; no data.
- Pediatrics: Avoid; no data.
- Oncology history: Avoid; pending data due to pro-angiogenic signaling.
- Older adults: May support soft-tissue healing but monitor closely.

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Storage:

- Store in original container at room temperature (up to 30°C or 86°F)
- Store in a cool dry place away from heat, sunlight, and moisture

How to Use: This compounded preparation is in the form of a topical cream. The cream is a special container that will administer 0.25ml dose. Clean desired area prior to use. To administer remove the protective covering on the top of the dispenser. Place the jar on a flat surface. Using clean, dry hands, gently press down on the top of the pump. This will dispense a measured amount of cream through the center opening. Confirm the cream has exited the holes at the top of the dispenser. Apply the cream onto the desired area. Continue to rub the area until the cream is evenly dispersed over the desired area. Replace the protective cover and store the device until next dose. If you miss a dose apply as soon as you remember, but not at the time for the next dose. The desired results may take up to several weeks.

Monitoring Parameters:

- Baseline risk review: Cancer history, thrombo-oncologic risk, concurrent unapproved peptides.
- Skin response over 8–12 weeks

Citations:

1. Seiwerth S, Sikiric P, Grabarevic Z, et al. BPC 157's effect on healing. J Physiol Paris. 1997;91(3-5):173-178. doi:10.1016/s0928-4257(97)89480-6
2. Huang T, Zhang K, Sun L, et al. Body protective compound-157 enhances alkali-burn wound healing in vivo and promotes proliferation, migration, and angiogenesis in vitro. Drug Des Devel Ther. 2015;9:2485-2499. Published 2015 Apr 30. doi:10.2147/DDDT.S82030

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