

GI HEALTH & IMMUNE SUPPORT

KPV

Calm from within



Potential benefits

- ✓ Calms gut & intestinal inflammation
- ✓ Supports a balanced immune response
- ✓ Promotes clearer, calmer skin
- ✓ Aids healing of the gut lining
- ✓ Anti-inflammatory at the cellular level

AVAILABLE AS

Injection

Capsules

KPV

Lys-Pro-Val / Alpha-MSH C-terminal tripeptide (melanocortin receptor agonist)

Schedule: Rx only (compounded)

Route: Oral / Subcutaneous

Dosage Form: Sterile injection, oral capsule

Compounding Standard: USP 797 sterile compounded

1. Medication Identification

C-terminal tripeptide fragment of alpha-melanocyte stimulating hormone (alpha-MSH). PCI Pharmacy formulations: 2.5 mg/mL sterile injection in 3 mL vials and 500 mcg oral capsules.

2. Indication / Therapeutic Use

Off-label support for gastrointestinal inflammation (IBS, IBD, Crohn's, ulcerative colitis), leaky gut, and localized inflammatory conditions.

3. Dosing and Administration

Injection: 250 mcg subcutaneous

Oral: 500 to 1000 mcg daily

Timing: Empty stomach for optimal absorption

Duration: Per prescriber protocol

What to do if a dose is missed: Administer/Take your next dose when you remember. If within 12 hours of your next scheduled dose, skip the dose and take your next dose as scheduled. Do not double dose to compensate for a missed dose.

4. Mechanism of Action / Pharmacology

Binds melanocortin MC1R and MC3R receptors on intestinal epithelial and immune cells. Suppresses NF-kB and TNF-alpha signaling and reduces mucosal inflammation locally without measurable systemic immunosuppression.

5. Contraindications

- ☐ Known hypersensitivity to KPV or excipients
- ☐ Pregnancy or lactation
- ☐ Pediatric use (insufficient data)
- ☐ There is no direct clinical evidence of harmful interactions between KPV and immunosuppressants; mechanistic reasoning suggests a theoretical additive immunomodulatory effect. If taking corticosteroid, biologics, or calcineurin inhibitors, watch for signs of infection, slow wound healing, and prolonged inflammation.

6. Warnings and Precautions

- ☐ Not FDA approved; investigational compounded peptide
- ☐ Counsel on off-label use
- ☐ Use with caution in patients on biologic immunomodulators

7. Adverse Reactions

- ☐ Exceptionally well tolerated
- ☐ Mild GI adjustment possible early in therapy
- ☐ Systemic adverse effects uncommon

8. Drug Interactions

- ☐ No clinically significant documented interactions
- ☐ Caution when combined with systemic immunosuppressants or biologics
- ☐ Frequently stacked with BPC-157, TB-500, GHK-Cu for synergy

9. Storage, Stability, and Beyond-Use Date

Visually inspect vial to ensure no precipitants, damage or cloudy liquid remains. Visually inspect capsules to verify they are all the same size and color, and fully intact. Injectable: refrigerated at 35 – 42 degrees Fahrenheit, do not freeze, protected from light. Oral capsules: refrigerated at 35 – 42 degrees Fahrenheit, do not freeze, away from heat, light, and moisture. Beyond-use date per pharmacy SOP and USP 797 guidance.

10. Compounding and Dispensing Notes

Prepared under USP 797 sterile conditions for injectable; non-sterile oral capsule per USP 795. Verify lot, BUD, and patient-specific Rx prior to dispensing.