LARAZOTIDE

Gut-Barrier Restoration & Anti-Inflammatory Peptide

What Is Larazotide?

Larazotide (also known as Larazotide Acetate or INN-202) is a synthetic octapeptide that acts as a tight-junction regulator. It works by blocking the protein Zonulin — the body's primary regulator of intestinal permeability, commonly called "leaky gut."

Larazotide competitively blocks Zonulin receptors, restoring tight-junction integrity without suppressing the immune system.

Think of it as a gatekeeper for your gut *— selectively closing the door to inflammatory triggers.*

How It Works

When tight junctions in the gut lining are compromised, Zonulin signals them to open — allowing undigested food particles, bacteria, and inflammatory triggers to pass into systemic circulation. The result:

- Chronic low-grade inflammation
- Immune system dysregulation
- Worsening autoimmune activity
- Digestive distress & nutrient malabsorption

Conditions Where It Matters

Elevated intestinal permeability has been identified as an early driver of many chronic conditions:

- Celiac disease & non-celiac gluten sensitivity
- Hashimoto's thyroiditis & other thyroid disorders
- Rheumatoid arthritis & inflammatory joint disease
- IBS, IBD, Crohn's & ulcerative colitis
- Type 1 diabetes & metabolic syndrome

Larazotide addresses the underlying gut-barrier dysfunction — not just the downstream symptoms.

Key Benefits

→ Gut Barrier Restoration

Clinical studies demonstrate measurable reductions in intestinal permeability markers. By tightening the gut lining, Larazotide limits antigen translocation — a root driver of systemic inflammation and autoimmunity.

→ Celiac Disease Support

Phase 2b trials showed significant reductions in GI symptom severity and inflammatory markers, even during low-level gluten exposure. It does not replace a gluten-free diet, but may reduce the impact of accidental exposure.

→ Autoimmune Modulation

By reducing antigen and LPS translocation, Larazotide may lower systemic immune activation — benefiting conditions such as Hashimoto's, rheumatoid arthritis, and lupus without broad immune suppression.

→ Reduction in Inflammatory Markers

Studies show decreases in IL-6, TNF-α, and anti-gliadin antibodies. Lower systemic inflammation supports better energy, mood, cognitive clarity, and reduced pain.

→ Digestive Symptom Relief

Patients commonly report improvements in bloating, abdominal pain, diarrhea, and stool consistency — even with existing GI diagnoses.

Complement to Other Therapies

Unlike broad-spectrum immunosuppressants or corticosteroids, Larazotide:

- Does NOT suppress the immune system globally
- Does NOT interfere with nutrient absorption
- Works upstream — at the gut-barrier level
- Can be combined with GI protocols, elimination diets & other peptides

It can be used alongside dietary interventions, thyroid support, or other functional medicine protocols to address gut-driven immune dysregulation at its source.

Dosing & Pricing

Formulation	Dosing Protocol	Investment	Notes
Oral capsule or compounded sublingual	As directed by your provider — typically taken before meals	**Ask your provider**	Compounded through 503A pharmacy; dosing individualized

Oral administration | As directed by your provider

At Larrea Naturopathic Medicine, we prescribe peptides exclusively through **CLIA-certified, FDA-registered 503A compounding pharmacies.**

Every batch undergoes independent third-party testing for purity, potency, and safety. Our pharmacies are LegitScript-certified and held to rigorous regulatory standards.