

KAIA PEPTIDES — PRODUCT SHEET

Tesamorelin

GHRH Analog – GH Pulsing, Recovery, Metabolic Regulation & Visceral Fat Pathway Research

What It Is

Tesamorelin is a synthetic **Growth Hormone–Releasing Hormone (GHRH) analog** designed to:

- Stimulate natural GH release
- Support IGF-1 production in research models
- Promote fat metabolism (especially visceral fat pathways)
- Enhance muscle recovery and tissue repair
- Improve metabolic efficiency
- Support sleep-driven regeneration

Its unique structure gives it a stronger and longer GH-stimulating effect than classic GHRH peptides like Sermorelin.

Understanding Tesamorelin — A Metaphorical Story

Imagine your body as a massive distribution center that processes two types of storage:

- **Surface storage** (subcutaneous fat)
- **Deep storage** (visceral fat around organs)

Surface storage is easy to move, but **deep storage is locked behind heavy vault doors**, sealed tight and rarely touched.

This deep storage slows everything down:

- Metabolism becomes sluggish
- Hormonal signals get muffled
- Recovery slows

- Fat utilization becomes inefficient

Now imagine a specialist arrives who knows exactly how to unlock the vault.

That specialist is Tesamorelin.

• **Tesamorelin Activates the Master Key (GH pulse stimulation)**

It triggers a powerful, biologically natural GH pulse —
a far stronger signal than typical GHRH analogs.

This GH pulse gives the body the **master key** to open energy-storage vaults.

• **It Unlocks the Deep Storage Rooms (visceral-fat pathway research)**

Once the GH pulse activates:

- Vaults open
- Deep, stubborn fat becomes mobilizable
- Energy extraction becomes more efficient

This is why Tesamorelin is heavily researched for abdominal and visceral-fat pathways.

• **It Boosts the Warehouse Workers (IGF-1 support)**

With vaults open, GH and IGF-1 provide the workers with:

- More tools
- More power
- More materials
- Faster repair capability

Muscles repair deeper.

Connective tissues rebuild faster.

Whole-body recovery improves.

• **It Strengthens the Night Shift (sleep-based regeneration)**

Tesamorelin amplifies the nighttime GH wave:

Better repair.
Better recovery.
Better metabolic flow through the night.

The Result: A More Efficient, Energized Storage & Repair System

With Tesamorelin:

- GH pulses strengthen
- Deep visceral fat pathways become active
- Recovery improves
- Metabolism becomes more efficient
- Tissues repair more quickly
- The body runs like a well-managed energy center

This metaphor makes Tesamorelin's unique role crystal clear.

Primary Research Benefits

(Summarized from published scientific literature)

• GH Pulse Stimulation

- Strong, natural GH release
- Significant IGF-1 support in models

• Visceral-Fat Targeting Pathways

- Studied extensively for deep abdominal fat mobilization
- Helps improve metabolic signaling

• Enhanced Recovery & Tissue Repair

- Supports muscle repair
- Encourages connective-tissue regeneration
- Improves post-exercise recovery

- **Sleep-Based Regeneration**

- GH peaks at night; Tesamorelin amplifies this repair window

- **Healthy Aging Support**

- GH/IGF-1–linked pathways support lean tissue and metabolic health
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Common Research Use Cases

- GH pulsatility & IGF-1 pathway studies
 - Visceral/abdominal fat research
 - Muscle & soft tissue recovery
 - Longevity and anti-aging models
 - Metabolic efficiency exploration
 - Combination stacks (Tesamorelin + Ipamorelin)
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Typical Research Protocols (Literature-Based)

(For educational/reference purposes; not medical advice)

- **Duration:** 8–16 weeks
 - **Frequency:** Once daily
 - **Timing:** Often before bed (aligns with GH cycle)
 - **Reconstitution:** With bacteriostatic water
 - **Route:** Subcutaneous in research settings
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Storage & Stability

- Store lyophilized at **2–8°C**
 - Use reconstituted peptide within **30 days**
 - Protect from heat, moisture, and light
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Safety Profile (Research-Based Notes)

- Non-stimulatory
 - Highly selective for GH receptors
 - Doesn't significantly affect cortisol or prolactin
 - Well tolerated in available clinical research
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Format

- **Tesamorelin lyophilized powder**
 - Research Use Only
 - Purity: **≥99%** (third-party verified)
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Legal & Compliance

For Research Use Only. Not for human consumption.

Not approved by the FDA to diagnose, treat, cure, or prevent any disease.

Brand Finishing (Kaia Style)

Unlock the vault. Restore the rhythm.

A potent GH-pathway peptide for advanced metabolic and regenerative research.