

RESEARCH PEPTIDE

Tesamorelin (TSM-GH)

Growth Hormone Releasing Hormone Analog

A synthetic peptide studied for its ability to stimulate endogenous growth hormone production, supporting body composition, metabolic health, and overall vitality.



RESEARCH
TODAY

DISCOVER
TOMORROW

A HEALTHIER
HUMAN POTENTIAL



SCIENCE
INSPIRES
HUMAN
POTENTIAL



WHAT IS TESAMORELIN?

Tesamorelin is a synthetic analog of growth hormone releasing hormone (GHRH) that stimulates the pituitary gland to produce and release endogenous growth hormone (GH). It is studied for its potential to reduce visceral fat, improve body composition, support metabolic health, and promote overall vitality while maintaining natural hormonal rhythms.



WHAT IS IT STUDIED FOR?

- Reduction of visceral (abdominal) fat
- Improved body composition
- Support for lean muscle mass
- Metabolic health and lipid profile
- Enhanced recovery and performance
- Healthy aging and overall vitality



RESEARCH SNAPSHOT

COMPOUND

**Tesamorelin
(TSM-GH)**
GHRH Analog



AVAILABLE STRENGTH

10 mg
Lyophilized powder
(research use only)



RESEARCH CATEGORY

- Body Composition
- Metabolic Health
- Anti-Aging
- Recovery
- Overall Vitality



RESEARCH STATUS

- Human research: Extensive
- Animal research: Extensive
- Mechanistic evidence: Strong



HOW IT MAY WORK?

- Stimulates the pituitary gland to release endogenous growth hormone (GH)
- Supports increased lipolysis (fat breakdown), particularly visceral fat
- May enhance lean muscle mass and improve body composition
- Supports metabolic health including lipid and glucose regulation
- May promote tissue repair, recovery, and healthy aging
- Works with the body's natural hormonal rhythms



RESEARCH TIMELINE / EXPECTATIONS

1-4 WEEKS

Early changes in recovery, sleep quality, and overall well-being may be noticed.

WEEKS 4-8

Initial improvements in body composition and metabolic markers may become evident.

WEEKS 8-16

Continued fat reduction, lean muscle support, and enhanced vitality may be observed.

16+ WEEKS

Ongoing benefits with continued research use and periodic assessment.



RESEARCH PROTOCOL - 10 MG VIAL

Reconstitution	2 mL Bacteriostatic Water
Starting Dose	500 mcg (10 units) once daily
Dose Range	500 mcg (10 units) - 1.5 mg (30 units)
Frequency	Daily (preferably in the evening)
Research Duration	16 weeks, followed by a break or alternate GH peptide research
Storage	Refrigerate after reconstitution
Notes	Inject subcutaneously in a fasted state (at least 2 hours after a meal, no meal for 1 hour after dose).



MIXING & RECONSTITUTION

10 mg + 2 mL Bacteriostatic Water = 5 mg/mL

1 unit (0.1 mL) = 500 mcg
10 units (0.1 mL) = 500 mcg | 30 units (0.3 mL) = 1.5 mg



TITRATION PATH

- Start at 500 mcg (10 units) once daily.
- May increase to 1 mg (20 units) based on research goals and response.
- May increase to 1.5 mg (30 units) if needed and well tolerated.
- Adjustments may be made based on individual tolerance and research objectives.



IMPORTANT CONSIDERATIONS

- For educational and research purposes only
- Not for human use
- Avoid use in pregnancy or breastfeeding
- Consult relevant research guidelines and local regulations
- Use only in approved research settings



EVIDENCE LEVEL

- Human research: Extensive
- Animal research: Extensive
- Mechanistic evidence: Strong
- Long-term safety data: Moderate



RESEARCH USE DISCLAIMER

For educational and research use only. Not for human use. Not approved by the FDA or any other regulatory authority. Research compounds are not intended for diagnostic, treatment, or preventative use in humans.