

KAIA PEPTIDES — PRODUCT SHEET

Epitalone (10mg)

Telomere Support Peptide – Longevity, Cellular Renewal & Stress Adaptation

What It Is

Epitalone (Epitalon) is a synthetic peptide derived from a natural pineal gland extract. It is widely researched for its potential impact on:

- Telomere support
- Cellular aging pathways
- Antioxidant balance
- Circadian rhythm regulation
- Stress resilience

Epitalone has been studied for its ability to support healthy aging mechanisms by interacting with telomere-maintenance pathways and optimizing biological rhythms.

Understanding Epitalone — A Metaphorical Story

Imagine your body as a massive library of life — and inside every book is a story: your DNA.

But each book has something important:

A bookmark at the end of every chapter.

That bookmark is your **telomere** — a protective cap that keeps the pages from tearing, folding, or getting lost.

Every time the book is read (when cells divide), the bookmark gets shorter.

If it gets too short:

- Pages tear
- Chapters get damaged

- The story becomes harder to read
- The book ages

Over time, the entire library suffers.

Now imagine a highly skilled librarian arrives.

A specialist who carries tools to protect the books and restore order inside the library.

That specialist is Epitalone.

• Epitalone strengthens the bookmarks (telomere support)

It helps maintain the protective ends of each DNA “chapter,” allowing the book to stay readable and intact longer.

• It slows the wear-and-tear from constant reading (cellular aging)

Cells dividing too fast can weaken the structure.

Epitalone helps regulate these cycles so the “books” stay strong.

• It improves the library’s lighting system (antioxidant pathways)

Bright, clean light = lower oxidative stress.

Epitalone supports systems that reduce cellular “rust.”

• It resets the library’s opening hours (circadian rhythm)

When the library keeps irregular hours, everything inside becomes chaotic.

Epitalone helps restore internal rhythm, order, and timing.

• It encourages calm, efficient operation (stress resilience)

A calm library stays organized longer.

Epitalone helps maintain a balanced environment so the books stay preserved.

The Result: A Longer-Lived, Well-Preserved Library

With Epitalone:

- Bookmarks stay intact
- Chapters remain protected
- Books last longer
- The library ages more gracefully
- The entire system operates with better rhythm and order

This is the simplest way to visualize Epitalone's role in telomere and cellular-aging research.

Primary Research Benefits

(Summarized from published scientific literature)

• Telomere & Chromosome Support

- May support maintenance of telomere length
- Helps protect chromosome ends during cell division

• Healthy Aging Pathways

- Studied for its ability to support longevity-related processes
- May reduce signs of cellular aging in models

• Antioxidant & Cellular Stress Regulation

- Helps regulate oxidative stress
- Supports healthier cellular environments

• Circadian Rhythm Optimization

- Researched for regulatory effects on biological clock timing

• Immune & Systemic Support

- May support immune balance in aging models
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Common Research Use Cases

- Telomere biology studies
 - Longevity & anti-aging models
 - Cellular stress & oxidative damage research
 - Circadian rhythm regulation
 - Immune system aging research
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Typical Research Protocols (Literature-Based)

(For educational/reference purposes; not medical advice)

- **Duration:** Common cycles last 10–20 days
 - **Frequency:** Daily or twice-daily in research models
 - **Vial:** 10mg lyophilized Epitalone
 - **Reconstitution:** With bacteriostatic water
 - **Administration Route:** Subcutaneous or intramuscular in studies
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Storage & Stability

- Store lyophilized peptide at **2–8°C**
 - After reconstitution, refrigerate and use within **30 days**
 - Protect from direct light and heat
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Safety Profile (Research-Based Notes)

- Non-hormonal
 - Generally well tolerated in available studies
 - No significant toxicity reported in experimental data
 - Has been researched for decades in aging science
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Format

- **Epitalone 10mg 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)

Protect the chapters. Preserve the story.

A longevity-focused peptide for cellular aging research.