

RESEARCH PEPTIDE

SS-31

Elamipretide

A mitochondria-targeted peptide studied for cellular energy, mitochondrial health, and oxidative stress support.



RESEARCH
TODAY



DISCOVER
TOMORROW



A HEALTHIER
HUMAN POTENTIAL



SCIENCE
INSPIRES
HUMAN
POTENTIAL



WHAT IS SS-31?

SS-31 (Elamipretide) is a mitochondria-targeted peptide that selectively binds to cardiolipin in the inner mitochondrial membrane. It is studied for its potential to support mitochondrial function, cellular energy production, and protection against oxidative stress.



WHAT IS IT STUDIED FOR?

- Mitochondrial function and bioenergetics
- Age-related cellular decline
- Oxidative stress and lipid peroxidation
- Cardiovascular and metabolic health research
- Neuroprotection and cognitive health
- Exercise performance and recovery
- General healthy aging research



RESEARCH SNAPSHOT



COMPOUND
SS-31
Elamipretide



STRENGTH
10 mg



**RESEARCH
CATEGORY**
• Mitochondrial Health
• Cellular Energy
• Oxidative Stress Support



**RESEARCH
STATUS**
Investigational
Research
Lyophilized powder
Research use only



HOW MAY IT WORK?

- Binds to cardiolipin in the inner mitochondrial membrane
- Stabilizes mitochondrial structure and function
- May reduce oxidative stress and lipid peroxidation
- Supports efficient ATP production
- May promote cellular resilience and healthy aging pathways



WHAT RESEARCHERS MAY LOOK FOR OVER TIME

1–2 WEEKS

Early signs of improved cellular energy and reduced oxidative stress may be observed.

WEEKS 3–4

Mitochondrial function markers may improve.

WEEKS 6–8

Enhanced cellular resilience and recovery may be evaluated.

12+ WEEKS

Continued mitochondrial support and long-term benefits may be assessed.



RESEARCH PROTOCOL — 10 MG VIAL

Reconstitution	2 mL Bacteriostatic Water
Starting Dose	500 mcg (10 units)
Administration	Subcutaneous
Frequency	Once daily
Research Duration	4–12+ weeks (commonly studied)
Storage	Refrigerate after reconstitution
Notes	Use within 28 days of reconstitution. Rotate injection sites.



MIXING & RECONSTITUTION

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

At this concentration, 500 mcg = 0.1 mL (10 units on a U-100 insulin syringe).



DOSING PROTOCOL

- 500 mcg (10 units) once daily via subcutaneous
- injection. Dose and duration may be adjusted
- based on specific research objectives.



IMPORTANT CONSIDERATIONS

- For educational and research purposes only
- Not for human use
- Consult relevant literature for study design
- Use under proper research oversight
- Monitor for stability after reconstitution



EVIDENCE LEVEL

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



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 preventive use in any disease.