

RESEARCH PEPTIDE

MOTS-c

Metabolic & Longevity Research

10 mg vial



RESEARCH
TODAY



DISCOVER
TOMORROW



A HEALTHIER
HUMAN POTENTIAL



SCIENCE
INSPIRES
HUMAN
POTENTIAL



WHAT IS MOTS-c AND WHY IS IT STUDIED?

MOTS-c is a research peptide derived from the mitochondria. It is primarily studied for metabolic health, insulin sensitivity, cellular energy regulation, and healthy aging. Research interest includes glucose uptake, fat metabolism, exercise performance, body composition, and mitochondrial function. It is studied because it may help cells use energy more efficiently and support overall metabolic balance.



AT A GLANCE



10 mg vial



Research focus: metabolic health, insulin sensitivity, energy regulation, exercise support



Format: lyophilized powder



WHAT IT IS STUDIED FOR

- Metabolic health and insulin sensitivity
- Glucose uptake and energy use
- Fat metabolism and body composition
- Exercise endurance and recovery
- Mitochondrial support
- Longevity and healthy aging research



HOW IT MAY WORK

- May activate AMPK, a key energy-regulating pathway
- May help improve cellular glucose uptake
- May support insulin sensitivity and metabolic balance
- May promote healthier fat metabolism
- May help maintain mitochondrial function



WHAT RESEARCHERS MAY LOOK FOR OVER TIME

1-2 WEEKS

Early changes in energy levels and metabolic response may begin to appear.

WEEKS 4-8

Improved insulin sensitivity, fat metabolism, and exercise tolerance may become more noticeable.

WEEKS 8-16

Body-composition and endurance-related improvements may continue to develop.

16+ WEEKS

Longer-term metabolic optimization and healthy-aging benefits may be assessed.



10 MG RESEARCH PROTOCOL

Reconstitution	5 mL bacteriostatic water / no-sting water
Final concentration	10 mg / 5 mL = 2 mg/mL
Source dose	1 mg (10 units)
Syringe reference	10 units
Frequency	Daily, in AM
Research duration	4-16 weeks
Notes	Best taken before exercise for endurance benefits



MIXING

10 mg + 5 mL BAC water = 2 mg/mL

Source reference sheet lists 10 units = 1 mg



TITRATION

No dose-escalation schedule is provided in the source reference sheet. The source protocol uses 1 mg (10 units) daily, typically in the morning.



IMPORTANT CONSIDERATIONS

- For educational and research purposes only
- Limited human research data
- Avoid use in active or recent cancer research subjects
- Not recommended during pregnancy or breastfeeding
- Store appropriately 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 diagnosis, treatment, or prevention of any disease.