

# **Clinician Background Paper**

## **MOTS-c 6C Homeopathic Oral Spray (Ethanol Alcohol Base)**

### **Quick Overview**

MOTS-c is a mitochondrial-derived peptide discussed in the scientific literature for its role in metabolic regulation, energy balance, and healthy aging physiology. This product is a MOTS-c 6C homeopathic oral spray in an ethanol alcohol base.

### **What is MOTS-c?**

MOTS-c is a 16–amino acid peptide encoded within the mitochondrial genome. It is described as a mitochondrial signaling peptide with metabolic relevance, including activity related to the folate–purine–AMPK pathway.

### **Why Clinicians Care**

Clinicians focusing on metabolic resilience and energy regulation may find MOTS-c scientifically compelling due to published associations with metabolic homeostasis, insulin sensitivity support, muscle metabolism, and exercise-induced signaling.

### **Mechanism of Interest (Clinician-Friendly)**

- AMPK pathway: AMPK is a key energy-sensing pathway linked to metabolic wellness and longevity biology.
  - Skeletal muscle: Muscle is a primary site of glucose handling and metabolic performance.
- NAD<sup>+</sup> biology: NAD<sup>+</sup> is a foundational metabolic coenzyme involved in cellular metabolism and age-associated physiology.

### **Product Description**

- Potency: 6C (homeopathic)
  - Delivery: Oral spray
  - Base: Ethanol alcohol

### **Clinical Practice Integration**

This product can be incorporated into clinician-guided wellness programs supporting metabolic health optimization, healthy aging strategies, and performance-oriented lifestyle plans.

### **Conclusion**

MOTS-c is highlighted in the scientific literature as a mitochondrial-derived peptide involved in metabolic and muscle-related signaling. A MOTS-c 6C homeopathic oral spray in ethanol alcohol is positioned as a practical wellness-supportive option aligned with the clinical focus on mitochondrial function and metabolic resilience.

### **References**

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