

MOTS-c (human)

Cat. No.:	HY-P2048
CAS No.:	1627580-64-6
Molecular Formula:	C ₁₀₁ H ₁₅₂ N ₂₈ O ₂₂ S ₂
Molecular Weight:	2174.59
Sequence:	Met-Arg-Trp-Gln-Glu-Met-Gly-Tyr-Ile-Phe-Tyr-Pro-Arg-Lys-Leu-Arg
Sequence Shortening:	MRWQEMGYIFPRKLR
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

MOTS-c (human) is a biological active peptide. (Recent advances in high-resolution sequencing have led to the discovery of unique peptides derived from mitochondrial genome.1-2 Currently 8 peptides are identified: humanin, mitochondrial open reading frame of the 12S tRNA-c (MOTS-c), and six small humanin-like peptides (SHLP1-6). 1-2 All of these peptides are released into cytosol from mitochondria and associate with increased longevity and cell viability, reduced apoptosis, and other beneficial functions. 1-3 MOTS-c was found to reduce insulin resistance, decrease obesity, and promote homeostasis.)

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA