PEPTIDE

MOTS-c

16-residue peptide encoded in the 12S rRNA of mitochondrial DNA; activates AMPK and improves insulin sensitivity in animal models.

BIOGATE · GREEN | POSTERIOR 26.2% | MW 2174.6 | 16AA

SEQUENCE

MRWQEMGYIFYPRKLR

Modifications: mitochondrial-derived peptide

PDA-V1 chain of custody

Outer hash

e6959bcbe5959a38e8959ef1e7959d5eea95a217e995a084ec95a53

Merkle root

d6e14fd6d7e15169d4e14cb0d5e14e43dae15622dbe157b5d8e152fcd9e1548f

Inputs

36-
ad104b35ad0eb838ad137137ad11de3aad169739ad15043cad19bd3

TEE attestation

dca46b6cdda46cffdea46e92dfa47025d8a46520d9a466b3daa46846dba469d9

Living Outcome Oracle

± =9.5

² =26.6

P(success) = 26.2%

95% CI [14.2%, 38.2%]

Seven-rule export gate

7 / 7 rules satisfied · audience: researcher · Full attestation set, raw posteriors, all hashes

- Grade A or B citation present on the core claim
- BioGate verdict is GREEN or AMBER (RED/BLACK refused)
- Jurisdiction permits the audience-appropriate use
- RWE summary attached when claim depends on outcome data
- Prediction-outcome pairs disclosed when posterior cited
- No human-use claim beyond cited indications
- COA registry lookup available for any synthesis claim

Citations

GRADE B

2015 · Cell Metab

The mitochondrial-derived peptide MOTS-c promotes metabolic homeostasis

Lee C et al.

PMID 25738459