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RESEARCH PEPTIDES

**RESEARCH USE ONLY**
Ref. MOTSC-10
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# Certificate of Analysis

## MOTS-c

| | |
|---|---|
| Catalogue ref. | **MOTSC-10, MOTSC-40** |
| CAS number | **1627580-64-6** |
| Product | **MOTS-c** |
| Vial sizes | **10mg, 40mg** |

### PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| Molecular formula | **C101H152N28O22S2** |
| Molecular weight | **2174.6 g/mol** |
| Physical form | **Lyophilised powder** |
| Storage - powder | **-20 °C; long-term storage, vial sealed** |
| Storage - solution | **2-8 °C; refrigerated, short-term only** |
| Chemical structure (sequence) | **MRWQEMGYIFYPRKLR** |

### ANALYTICAL DATA

| Test Items | Specifications | Results |
|---|---|---|
| Appearance: | White to off-white lyophilized solid powder | Conforms |
| Purity (HPLC): | >98.7% | 99.2% |
| TFA Content: | <0.50% | Conforms |

Conclusion: The product has been tested and complies with the given specifications.

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

**For laboratory research use only.** Not for human or veterinary use. Not a medicine, supplement or cosmetic.

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