



MOTS-C 40mg

Lyophilised research compound — for in-vitro research use only

| | | | |
|---------------------------------|------------------------------------|---------------------|---------------------|
| PRODUCT | BATCH | CAS NUMBER | MOL. WEIGHT |
| MOTS-C 40mg | UKPL-560 | 1627580-64-6 | 2174.5 g/mol |
| APPEARANCE | STORAGE | ANALYSIS DATE | REPORT DATE |
| White lyophilised powder | -20°C, protected from light | 19/06/2026 | 22/06/2026 |

ANALYTICAL RESULTS

| TEST PARAMETER | RESULT | SPECIFICATION | STATUS |
|------------------------|----------------------------------|----------------------------|--------|
| Identity | Confirmed — MOTS-C | Matches reference standard | PASS |
| Chromatographic Purity | 99.04% | ≥98.0% | PASS |
| Mass Spectrometry | [M+H] ⁺ at 2175.5 m/z | Matches MW 2174.5 | PASS |
| Quantity Measured | 41.72 mg | ≥40 mg | PASS |
| Appearance | White lyophilised powder | White lyophilised powder | PASS |

COMPOUND REFERENCE

| | |
|------------------|---|
| Compound | MOTS-C |
| CAS | 1627580-64-6 |
| Molecular Weight | 2174.5 g/mol |
| Sequence | Mitochondrial-derived 16-residue peptide MRWQEMGYIFYPRKLR |
| Form | Lyophilised powder |

ANALYTICAL METHOD & LABORATORY

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|-------------|---------------------|
| Method | RP-HPLC + ESI-MS |
| Laboratory | Freedom Diagnostics |
| Analyst | Alex Johnson |
| Date Signed | 22/06/2026 |

Research Use Only

This product is supplied strictly for in-vitro research and laboratory use only. It is not intended for human or veterinary administration, and must not be ingested or applied to or within the body. Storage and handling are the responsibility of the end-user.