



# MOTS-C 10mg

Lyophilised research compound — for in-vitro research use only

PRODUCT	BATCH	CAS NUMBER	MOL. WEIGHT
MOTS-C 10mg	UKPL-839	1627580-64-6	2174.5 g/mol
APPEARANCE	STORAGE	ANALYSIS DATE	REPORT DATE
White lyophilised powder	-20°C, protected from light	13/12/2025	23/12/2025

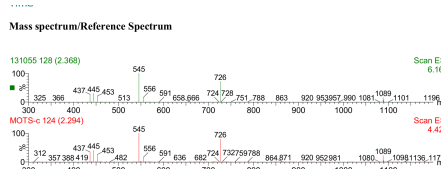
## ANALYTICAL RESULTS

TEST PARAMETER	RESULT	SPECIFICATION	STATUS
Identity	Confirmed — MOTS-C	Matches reference standard	PASS
Chromatographic Purity	99.23%	≥98.0%	PASS
Mass Spectrometry	[M+H] <sup>+</sup> at 2175.5 m/z	Matches MW 2174.5	PASS
Quantity Measured	9.72 mg	≥10 mg	PASS
Appearance	White lyophilised powder	White lyophilised powder	PASS

### RP-HPLC CHROMATOGRAM (UV @ 220NM)



### MASS SPECTRUM (ESI-MS POSITIVE MODE)



### 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

Method	RP-HPLC + ESI-MS
Laboratory	Krause Analytical LLC
Analyst	Dr. K. Krause
Date Signed	23/12/2025

#### 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.