



ChromIQ Analytical Laboratory

HPLC-MS Quality Control & Peptide Purity Analysis
Website: chromiq.com | Email: qc@chromiq.com

PRODUCT DATA

Product	MOTS-c	Batch	MOTSC-B0118
CAS	1627580-64-6	Formula	C ₁₀₁ H ₁₅₂ N ₂₈ O ₂₂ S ₂
Appearance	White lyophilized powder	Mol. Wt.	2174.62 g/mol
Quantity	10 mg / vial	Purity	99.91%
Content	10.12 mg	Analysis Method	RP-HPLC, UV 214 nm C18, 100 × 2.1 mm, 2.7 µm Flow: 0.40 mL/min Gradient: 5-95% ACN over 20 min Inj.: 10.0 µL
Analysis Conducted	2026-05-22	Principal Chemist	Dr. Marek Janowski, Ph.D.
Produced	2026-05-20	Storage	Store at -20 °C, protect from light
QC Status	PASS — conforms to specification		Report No. CIQ-RPT-B0118

HPLC CHROMATOGRAM

Signal: UV 214 nm Detector: DAD1B

Method: Column: C18, 100 × 2.1 mm, 2.7 µm | Flow: 0.40 mL/min | Gradient: 5-95% ACN over 20 min | Injection: 10.0 µL

Mobile Phase: H2O/ACN + 0.1% TFA

