

Certificate of Analysis

REPORTED September 17, 2026

VERIFY peptidetestcanada.ca/verify
EMAIL info@peptidetestcanada.ca

SCAN TO VERIFY



PTC-APKFTHNF

Lab ID: **MOTS-166**

END CUSTOMER

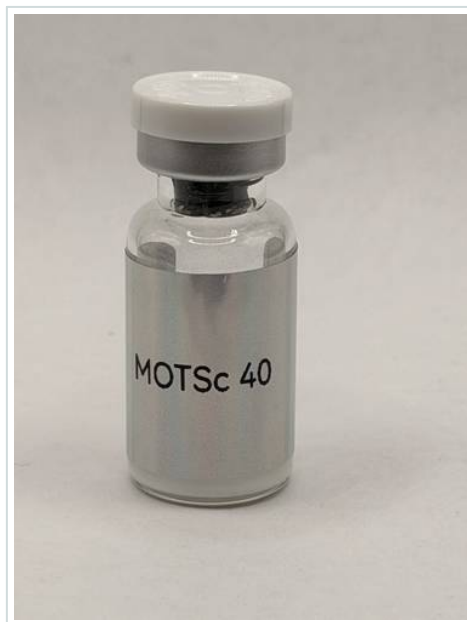
NAME nexgenamino.com/
info@nexgenamino.com

§ 01 Sample Information

FOR RESEARCH PURPOSES ONLY

Sample ID:	MOTS-166	Received:	09/04/2026
Compound:	MOTS-c	Analyzed:	09/17/2026
Report No.:	COA-2026-SC-02601	CAS:	1627580-64-6
Total Mass:	61.2 mg	Formula:	C₁₀₁H₁₅₂N₂₈O₂₂S₂
Appearance:	Lyophilized powder	Mol Weight:	2174.5 g/mol

SAMPLE PHOTOGRAPH



§ 02 Analytical Results

Qualitative and Quantitative chemical analysis by Liquid Chromatography Tandem Mass Spectrometry (HPLC-MS/MS)

	SPECIFICATION	RESULT	STATUS
Compound Test:	MOTS-c	MOTS-c	PASS
Net Peptide Content:	40.00 mg	48.57 mg	
Peptide Fill Accuracy:	≥ 90 %	121.4 %	
Chromatographic Purity:	≥ 98 %	99.5 %	

Peptide fill accuracy is the measured net peptide content expressed as a percentage of the declared label claim (measured ÷ label claim × 100).

Chromatographic purity is the target peptide's concentration as a percentage of the total peptide concentration measured — the target peptide against the other trace peptides detected in the same sample. It reflects peptide-related impurities only; it does not measure salts, excipients, or water, and is separate from net peptide content (the actual mg of peptide). — means not determined.

§ 03 HPLC-MS/MS Detail

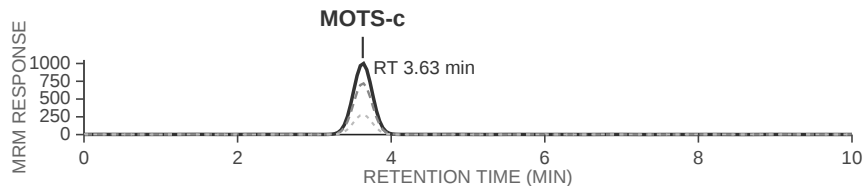
METHOD A · AGILENT 1290 INFINITY II + 6495 QQQ · ESI+

PRECURSOR [M+3H]³⁺

725.50 Da

Quantifier transition ● MRM

725.50 > 175.10 CE 25 V



ROLE	TRANSITION	CE
● Quantifier	725.5 > 175.1	25 V
■ Qualifier	725.5 > 159.1	30 V

Agilent Poroshell 120 EC-C18 · 2.1×100 mm · 2.7 μm · Solvent A: 0.1 % formic acid in H₂O · Solvent B: 0.1 % formic acid in Acetonitrile

DISCLAIMER · RESEARCH USE ONLY

Results relate **only to the sample as received** by Side-Chain Analytics Inc. and the tests performed, as and when received — not to any other unit, vial, lot, or batch, and not to any other product bearing the same name, label, or description. This report is not a verification of any lot or batch. **For research use only:** this report is not a certificate of quality, safety, efficacy, or regulatory compliance; the material tested is not authorized by Health Canada for human or veterinary use; and this report is not for human or veterinary administration, clinical or diagnostic use, or label claims. Side-Chain Analytics Inc. does not manufacture, source, or sell the material tested and makes **no warranty, express or implied**; its liability shall not exceed the testing fee. This report may not be reproduced except in full, and may not be reproduced, displayed, quoted, or referenced — in whole or in part, including by any badge, seal, or link — in connection with the advertising, offer for sale, sale, or distribution of any product. This certificate is valid only as currently shown at sidechainanalytics.com/verify and may be withdrawn.