SIDECHAIN ANALYTICS

Certificate of Analysis

MOTS-004

REPORTED June 23, 2026

CLIENT

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END CUSTOMER

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§ 01 Sample Information

FOR RESEARCH PURPOSES ONLY

Sample ID:	**MOTS-004**	Total Mass:	**60.8 mg**	CAS:	**1627580-64-6**
Compound:	**MOTS-c**	Appearance:	**Lyophilized powder**	Formula:	**$C_{100}H_{152}N_{28}O_{22}$**
Report No.:	**COA-2026-SC-00074**	Received:	**06/18/2026**	Mol Weight:	**2174.5 g/mol**
Lot Number:	**COA-2026-SC-00074**	Analyzed:	**06/23/2026**		

§ 02 Analytical Results

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

	SPECIFICATION	RESULT	STATUS
Compound Test:	MOTS-c	**MOTS-c**	**PASS**
Quantity:	10.00 mg	**9.85 mg**	
Purity:	≥ 98 %	**98.90 %**	

§ 03 LC-MS/MS Detail

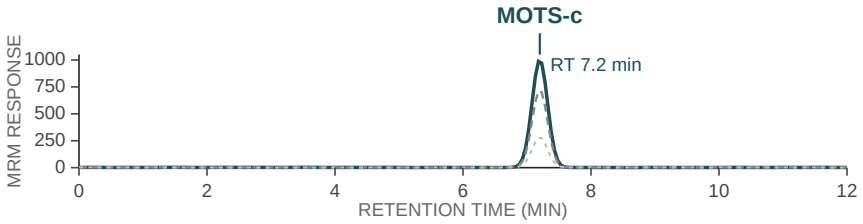
METHOD B · AGILENT 1290 INFINITY II + 6495 QQQ · ESI+

PRECURSOR [M+4H]4+

544.70 Da

Quantifier transition ● MRM

544.70 › 136.10 CE 25 V



ROLE	TRANSITION	CE
● Quantifier	544.7 › 136.1	25 V
■ Qualifier	544.7 › 110.1	30 V

Agilent Poroshell 120 EC-C18 · 2.1×100 mm · 2.7 µm · Solvent A: 0.1 % formic acid in H_2O · Solvent B: 0.1 % formic acid in Acetonitrile

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