



Certificate of Analysis

Research Use Only - Not For Human Use

IDENTITY

Product: MOTS-c 10 mg
CAS No: 1627580-64-6
PubChem CID: 146675088
Chemical Name: MOTS-c (human)
MG: 10mg

Physical and Chemical Properties

Molecular Formula	C101H152N28O22S2
Molecular Weight	2174.62
Chemical Structure	H-Met-Arg-Trp-Gln-Glu-Met-Gly-Tyr-Ile-Ph e-Tyr-Pro-Arg-Lys-Leu Arg-OH

STORAGE

- Powder: -20°C 3 years ; 4°C 2 years ; 15°C 3 month
- In solvent: -80°C 6 months ; -2°C 1 month ; 10°C 1 week

Analytical Data

Attribute	Specification	Result
Appearance	White to off-white lyophilized solid powder	Conforms
Purity (HPLC)	≥ 99%	99.8%
Identity (MS)	Observed m/z consistent with expected	Conforms
Residual Solvents	Meets ICH limits	Conforms
Water Content	≤ 6%	Conforms

Conclusion: The product has been tested and complies with the given specifications. The product is intended for research purposes only and not for human consumption.