PEPTICIAN

CERTIFICATE OF ANALYSIS

MOTS-C 40mg

Cat. No:	PCT2BFB14	**Batch No:**	PCT-2BFB14
CAS No:	1627580-64-6	**Issue Date:**	30 May 2025
Product Name:	MOTS-C 40mg	**Quantity:**	40 mg

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C101H152N28O28	**Form:**	Lyophilised Powder
Molecular Weight:	2174.5 g/mol	**Storage:**	Powder: -20°C (3 yrs) ; 4°C (2 yrs) ; 15°C (3 mo) In solution: -80°C (6 mo) ; -20°C (1 mo) ; 10°C (1 wk)

RESEARCH APPLICATIONS

Mitochondrial signalling, AMPK activation, metabolic homeostasis, exercise mimetic studies

ANALYTICAL DATA

Test Item	Specification	Result	Status
Appearance	White to off-white lyophilised powder	Conforms	**PASS**
Purity (HPLC)	>98%	98.4%	**PASS**
TFA Content	<0.50%	Conforms	**PASS**
Solubility	Soluble in sterile water or acetic acid (0.6%)	Conforms	**PASS**

Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only. Not for human consumption.