

## Certificate of Analysis for Discover Peptide

<b>Name</b>	MOTS-cA 10mg	<b>CAS No.</b>	1627580 - 64 - 6
<b>Formula</b>	C102H152N28O22S2	<b>Origin</b>	Chemical Synthesis
<b>Lot No.</b>	210101525	<b>Manufacture Date</b>	2025.10.15
<b>Lot Size</b>	/	<b>Retest date</b>	2027.10.14
<b>Storage</b>	Protected from light, at a temperature of 5±3°C		
<b>Test Items</b>	<b>Acceptance Criteria</b>	<b>Test Results</b>	
<b>[Description]</b>			
<b>Appearance</b>	White or off-white cake	White cake	
<b>[Identification]</b>			
<b>HPLC Identification</b>	The retention time of the major peak of the Sample solution corresponds to that of the Standard solution, as obtained in the Assay.	Conforms	
<b>[Test]</b>			
<b>Purity</b>	NLT99.0%	99.4% 0.25%	
<b>Related Substances</b>	Individual Impurity NMT 0.1%	0.31%	
	Total Impurities NMT 2.0%	Less than 10s	
<b>Reconstitution time</b>	Less than 30s		
<b>Clarity and Coloration of solution</b>	Clear and colorless, or if its opalescence is not more pronounced than that of reference suspension 1	Conforms	
<b>Water</b>	NMT5.0%	0.44%	
<b>Higher molecular impurity</b>	NMT0.5%	0.10%	
<b>Sterility Tests</b>	Meet Requirements	Conforms	
<b>Bacterial endotoxins</b>	NMT10EU/mg	Less than 5EU/mg	
<b>[Assay]</b>			
<b>Assay</b>	95.0%-105.0% on C102H152N28O22S2	99.39%	
<b>Content</b>	10.8~12.5mg/vial	11.5mg/Vial	
<b>Conclusion: The test results comply with the in-house specification.</b>			
<b>Important Notice: This PRODUCT IS INTENDED AS A RESEARCH CHEMICAL ONLY. This product is not a drug, food, or cosmetic.</b>			