

## Certificate of Analysis

<b>Product</b>	MOTS-C	<b>CAS No.:</b>	1627580-64-6
<b>Product No.</b>	800102	<b>Molecular Formula</b>	C <sub>101</sub> H <sub>152</sub> N <sub>28</sub> O <sub>22</sub> S <sub>2</sub>
<b>Sequence</b>	Met-Arg-Trp-Gln-Glu-Met-Gly-Tyr-Ile-Phe-Tyr-Pro-Arg-Lys-Leu-Arg		
<b>Batch No.</b>	25012201	<b>Quantity</b>	469g
<b>Mfg. Date</b>	Jan. 22 <sup>th</sup> , 2025	<b>Retest Date</b>	Jan. 21 <sup>th</sup> , 2027

【ITEMS】	【SPECIFICATIONS】	【RESULTS】
<b>Appearance</b>	White or off-white powder	conforms
<b>Solubility</b>	Soluble in H <sub>2</sub> O	conforms
<b>HPLC</b>	The principal peak in the chromatogram obtained with the test solution is similar in retention time to principal peak in the chromatogram obtained with the reference solution.	Conforms
<b>Amino acid content</b>	Met 1.8-2.2 Arg 2.7-3.3 Glx 1.8-2.2 Gly 0.9-1.1 Tyr 1.8-2.2 Ile 0.9-1.1 Phe 0.9-1.1 Pro 0.9-1.1 Lys 0.9-1.1 Leu 0.9-1.1	2.0 3.1 2.0 1.0 2.0 1.0 1.0 1.1 1.0 1.0
<b>Mass spectrum</b>	2174.6± 1.0	2174.1
<b>Related Substances</b>	Any individual impurity: NMT 1.0% Total impurities: NMT 2.0%	0.15% 0.60%
<b>Purity(HPLC)</b>	NLT 98.0%	99.4%
<b>Acetic acid</b>	NMT 12.1%	8.7%

<b>Water content(KF)</b>	NMT 7.0%	2.2%
<b>Residual solvent</b>	Acetonitrile:NMT 410ppm Dichloromethane:NMT 600ppm DMF:NMT 880ppm	278ppm N.D N.D
<b>Bacterial endotoxins</b>	NMT 10EU/mg	<5EU/mg
<b>Peptide Content(N%)</b>	NLT80%	88.5%
<b>Storage</b>	In an air tight container, protected from light; Short Term:2-8°C ; Long Term:below-10°C	
<b>Conclusion: This batch of product complies with Enterprise Standard.</b>		