## **Certificate of Analysis**

## Cys-McMMAF

Cat. No.: HY-150233

CAS No.: 1160590-05-5

Batch No.: 255081

Chemical Name: L-Phenylalanine, N-[6-[3-[[(2R)-2-amino-2-carboxyethyl]thio]-2,5-dioxo-1-pyrrolidinyl]-1-oxohex

yl]-N-methyl-L-valyl-(3R,4S,5S)-3-methoxy-5-methyl-4-(methylamino)heptanoyl-( $\alpha$ R, $\beta$ R,

2S)- $\beta$ -methoxy- $\alpha$ -methyl-2-pyrrolidinepropanoyl-

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{52}H_{83}N_7O_{13}S$ Molecular Weight: 1046.32

Storage: -20°C, protect from light

\* In solvent: -80°C, 6 months; -20°C, 1 month (protect from light)

**Chemical Structure:** 

100 - 100 -

## **ANALYTICAL DATA**

Appearance: White to off-white (Solid)

<sup>1</sup> H NMR Spectrum: Consistent with structure

LCMS: Consistent with structure

Purity (LCMS): 99.91%

**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.

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