

Certificate of Analysis

Mal-PEG8-Val-Cit-PAB-MMAF

Cat. No.: HY-156758 **Batch No.:** 308027

Chemical Name: (S)-2-((2R,3R)-3-((S)-1-((5S,8S,11S,12R)-11-((S)-Sec-butyl)-1-(4-((29S,32S)-1-(2,5-dioxo-2,5-dihydr

 $o-1 H-pyrrol-1-yl)-29-isopropyl-27,30-dioxo-32-(3-ureidopropyl)-3,6,9,12,15,18,21,24-octaoxa-28,\\ 31-diazatritria contana mido) phenyl)-5,8-diisopropyl-12-methoxy-4,10-dimethyl-3,6,9-trioxo-2-oxa-4,7,10-triazatetra decan-14-oyl) pyrrolidin-2-yl)-3-methoxy-2-methyl propanamido)-3-phenyl p$

ropanoic acid

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: $C_{81}H_{129}N_{11}O_{24}$

Molecular Weight: 1640.95

Storage: Powder -20°C 3 years

4°C 2 years

In solvent -80°C 6 months

-20°C 1 month

Chemical Structure:

ANALYTICAL DATA

Appearance: White to off-white (Solid)

¹ H NMR Spectrum: Consistent with structure

MS: Consistent with structure

Purity (HPLC): 96.50%

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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