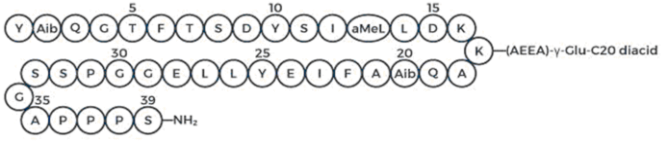


CERTIFICATE OF ANALYSIS

Product Name:	MK 39	
Batch No.	MK39-20230918	Structure 
Manufacturing Date	September 18, 2023	
Retest Date	September 17, 2025	
Molecular Formula	C221H342N46O68	
Molecular Weight	4731.35	
CAS No.	2381089-83-2	
Quantity	16g	
Analytical Results		
Items	Specifications	Results
Appearance	White or off-white powder	White powder
Monoisotopic Mass	4728.47	Conforms
Water Content(K.F)	NMT 8.0%	6.8%
Purity (HPLC)	NLT 98.0%	99.415%
Related substances (HPLC)	The largest individual impurity test NMT 0.5%	0.415%
	The total impurities test NMT 2.0%	0.585%
Residual solvent(GC)	Methylene chloride NMT 600ppm	N.D
	Acetonitrile NMT 410ppm	N.D
	Methanol NMT 3000ppm	N.D
	NN-Dimethylformamide NMT 880ppm	N.D
	Isopropyl ether NMT 5000ppm	N.D
Acid group ions(HPLC)	TFA Content NMT 5.0%	N.D
	Acetic acid Content NMT 5.0%	N.D
Bacterial Endotoxins	NMT 10 EU/mg	Conforms
Peptide Content	NLT 80.0%	92.65%
Storage Conditions	Keep in tight container, protect from light, store at a temperature of -20±5°C.	
Conclusion	Conformed with the product standards.	

Inspector: Carlifor Wu

Verifier: Jack He