

Batch no 20250301
Mf date Mar 2025
Retest Feb 2027

Sequence Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val
-Gly-Lys-Lys-Arg-Arg-Pro-Val-Lys-Val-Tyr-Pro

Molecular Formula $C_{136}H_{210}N_{40}O_{31}S$
Molecular Weight 2933.46
CAS Registry Number 16960-16-0

Mar 21 2025

Tests	Specifications	Results
Appearance	White to off-white powder	White powder
Solubility	Soluble in water & in a 1% glacial acetic acid	Conforms
Identification	HPLC	Positive
Specific optical rotation (c=1, 1% HAc)	-99.0 ~ -109.0°	-102.5°
Amino Acid composition	±10% of theoretical	Conforms
Water content (Karl Fischer)	5.0 ~ 16.0%	5.5%
Acetate content (HPLC)	≤ 13.0%	12.2%
Related substance (HPLC)	Largest single impurity ≤ 2.0% Total impurities ≤ 5.0%	0.5% 0.82%
Peptide purity	≥ 95.0%	99.18%
Bacterial endotoxins	≤ 50 IU/mg	5 IU/mg
Assay (odb)	97.0 ~ 103.0%	98.3%

Packaging & storage	Recommended storage temperature: 2 ~ 8°C
Conclusion	Material complies with in-house standard