

CERTIFICATE OF ANALYSIS

BATCH DOCUMENTATION

Tesamorelin — 10 mg/vial
Batch HG-001-20251201

RESEARCH USE ONLY — NOT FOR HUMAN USE



PRODUCT REFERENCE PHOTOGRAPH

DOCUMENT SCOPE

This document reproduces analytical results reported in the supplier-provided COA for bulk batch HG-001-20251201 (1323.98 g). The 10 mg/vial designation is the product label claim. Individual vial fill weight, per-vial assay and content uniformity are not independently established by this bulk COA.

A. PRODUCT INFORMATION

Product	Tesamorelin
CAS No.	218949-48-5
Label claim	10 mg/vial — label claim
Batch number	HG-001-20251201 (supplier bulk batch)
Bulk batch quantity	1323.98 g
Manufacturing date	Dec.12.2025
Expiry date	Dec.11.2027
Molecular formula	$C_{221}H_{366}N_{72}O_{67}S$
Molecular weight	5135.86 Da
Storage conditions	Keep in an air tight container, protected from light; store at -20 °C ± 5 °C.

B. SUPPLIER BATCH ANALYTICAL RESULTS

Test	Acceptance Criteria	Result
Identity & Appearance		
Appearance	White or almost white powder	White powder
Molecular ion mass	3357.882 ± 2	3357.882
Solubility	Freely soluble in water, Positive reaction	Conforms
Physicochemical Properties		
Water content (Karl Fischer)	NMT 8.0%	5.1%
Purity (HPLC)		
Purity (HPLC)	NLT 98.0%	99.1%
Residual Solvents & Counterions		
Acetic acid content	NMT 15.0%	4.1%
Trifluoroacetic acid	NMT 0.5%	0.02%
Methanol	NMT 0.3%	0.002%
Acetonitrile	NMT 0.041%	0.010%

Test	Acceptance Criteria	Result
N,N-Dimethylformamide	NMT 0.088%	ND
Microbiological		
Bacterial endotoxins	NMT 5 EU/mg	ND
TAMC	NMT 100 cfu/g	<1 cfu/g
TYMC	NMT 100 cfu/g	<1 cfu/g
Content		
Peptide content	NLT 80.0%	90.0%

Supplier COA conclusion: This product conforms with enterprise standards and qualifications.

- 1. Purity (HPLC) is reported as chromatographic purity of the bulk batch material; it does not quantify the peptide content of an individual vial.
- 2. Results shown as "Conforms" are reproduced as reported in the supplier COA, which states no numeric values for these tests.
- 3. NMT = Not More Than · NLT = Not Less Than · TFA = Trifluoroacetic acid · TAMC = Total Aerobic Microbial Count · TYMC = Total Yeast and Mould Count

C. DOCUMENT SCOPE & LIMITATIONS

- The analytical results in this document are reported for the supplier's bulk batch HG-001-20251201 (1323.98 g) and do not constitute an independent assay of the contents of individual finished vials.
- 10 mg/vial is the product label claim. Individual vial fill weight, per-vial assay and content uniformity are not established by this document.
- No sterility is verified by this document. The bulk COA includes no sterility test, and no claim of sterility is made for the finished product.
- No numerical endotoxin or microbial results are reported where the supplier COA states only "Conforms".
- This document is a presentation of the supplier's batch analysis. It is not a certificate issued by an independent laboratory and carries no laboratory accreditation.
- This product is for research use only and is not verified for human, medical or pharmaceutical use.

DOCUMENTATION BASIS — Analytical results reproduced from supplier-provided Certificate of Analysis, Batch HG-001-20251201. This document is a presentation of the supplier's batch analysis and is not an independent laboratory certificate.

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