

ANALYTICAL CERTIFICATE OF ANALYSIS — SAMPLE

Retatrutide Reference Material

Analytical-grade biochemical reference material supplied to qualified research customers for in-vitro analytical method development, identity verification, and non-clinical laboratory evaluation.

Catalog Number	RTN-RETA-10
Product Name	Retatrutide Reference Material
Chemical Identifier	LY3437943
Molecular Formula	C ₂₂₁ H ₃₄₂ N ₄₆ O ₆₈
Molecular Weight	4731.51 g/mol
Catalog Size	10 mg per vial
Form	Lyophilized white powder
Storage	Sealed, dry, -20°C until laboratory use

Lot Information

Lot Number	Sample-Lot-RTN-RETA-10-A001
Manufacture Date	2026-05-12
Analysis Date	2026-05-18
Release Date	2026-05-20
Retest Date	2028-05-20
Quantity Released	250 vials

Analytical Test Results

Test	Method	Specification	Result	Conclusion
Appearance	Visual	White lyophilized powder	Conforms	Pass
Identity	ESI-MS	Confirmed Retatrutide	4731.5 ± 0.3 Da observed	Pass
Identity	FTIR	Match to reference	Match	Pass

Analytical Purity	RP-HPLC, 220 nm	≥ 99.0 %	99.4 %	Pass
Water Content	Karl Fischer	≤ 5.0 %	2.1 %	Pass
Acetate Content	IC	Report	8.4 %	—
Bacterial Endotoxin	LAL (kinetic)	Report	< 10 EU / mg	—
Microbial Limits	USP <61>	Report	TAMC < 10 CFU/g	—

Release Statement

This lot has been tested in accordance with internal analytical methods for analytical-grade biochemical reference materials. All tested attributes conform to the established specifications. The lot is approved for release as a research reference material.

Intended Use. Sold to qualified research customers for in-vitro laboratory research, analytical method development, identity verification, and non-clinical laboratory evaluation only. **Not for human or animal consumption, therapeutic use, clinical use, diagnostic use, dietary supplementation, dosing, injection, ingestion, administration, compounding, prescription use, or consumer resale.**

Analyst (QC)

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Date: 2026-05-18

Date: 2026-05-20

SAMPLE — FOR COMPLIANCE REVIEW. This document is a representative sample Certificate of Analysis illustrating the lot-level documentation format Retron Labs maintains for every released analytical reference material lot. Lot numbers, dates, analyst names, and quantitative results shown are illustrative and do not represent a specific commercial lot. Qualified research customers may request the production CoA for any received lot via coa@retron.bio.