Gold Standard Analytics

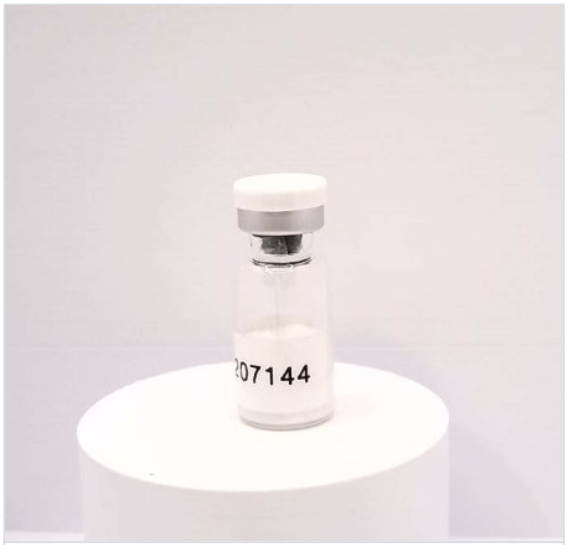
Gold Standard Analytics LLC, Houston, TX

CERTIFICATE OF ANALYSIS

Report GSA-COA-000113-11301-20261125 · issued Nov 25, 2026

Mike Nguyen

PRODUCT	ORDER	SAMPLE
Retatrutide	GSA-2026-000113	113-01
LOT	**ISSUED**	
207144	Nov 25, 2026	



THE SAMPLE AS RECEIVED

IDENTITY ✓

Retatrutide

confirmed by mass

PURITY ✓

99.53 %

HPLC-UV, 214 nm

IMPURITY ANALYSIS ✓

None above 0.47 %

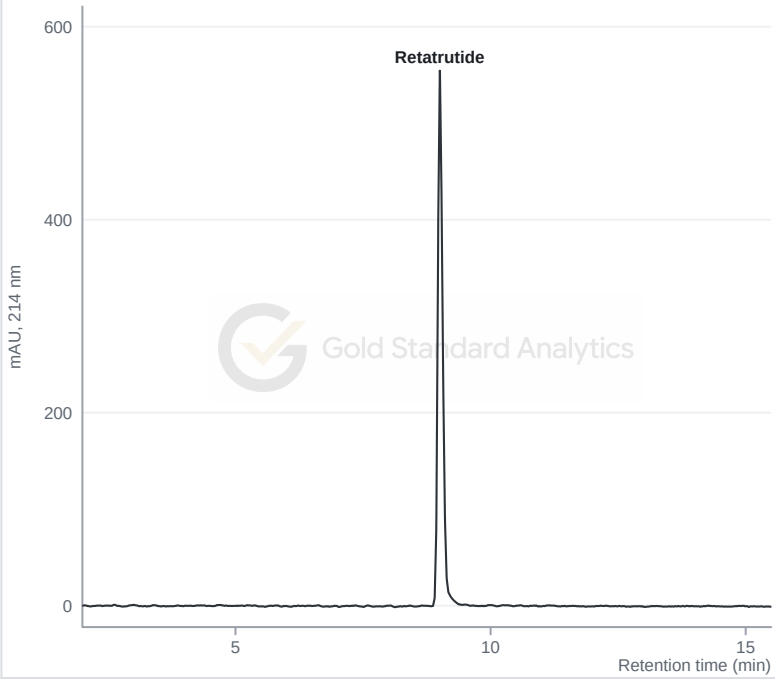
no peak other than retatrutide above the reporting limit

NET CONTENT

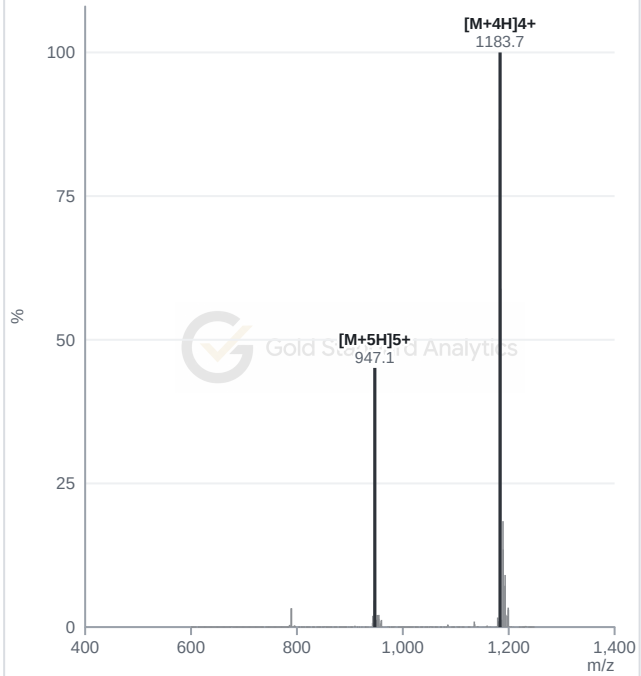
19.3 mg

per vial; 96 % of the declared 20 mg

HPLC CHROMATOGRAM — UV, 214 nm



MASS SPECTRUM — at the retatrutide peak (9.00 min)



RELEASED BY

Ian Ebert
Laboratory Director · Nov 25, 2026

Scan to verify
goldstandardanalytics.com/coa/

Results are not covered by ISO/IEC 17025 accreditation. Results relate only to the sample as received and tested.

The sample

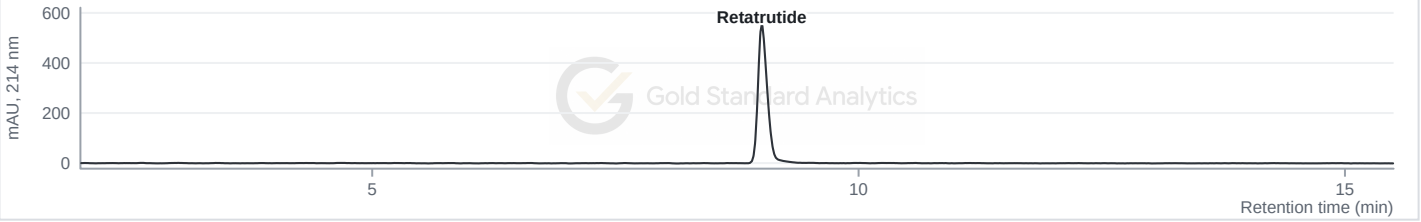
Order GSA-2026-000113 · Sample 113-01 · Mike Nguyen

Customer	**Mike Nguyen**	Lot	**207144**
Order	**GSA-2026-000113**	Prepared	**24 Nov 2026**
Sample	**113-01**	Tested	**25 Nov 2026**
Label	**No manufacturer label (clear vial, white cap, marked 207144); declared retatrutide 20 mg**	Tests	**Identity, Purity, Impurity breakdown, Net content**

Graphs

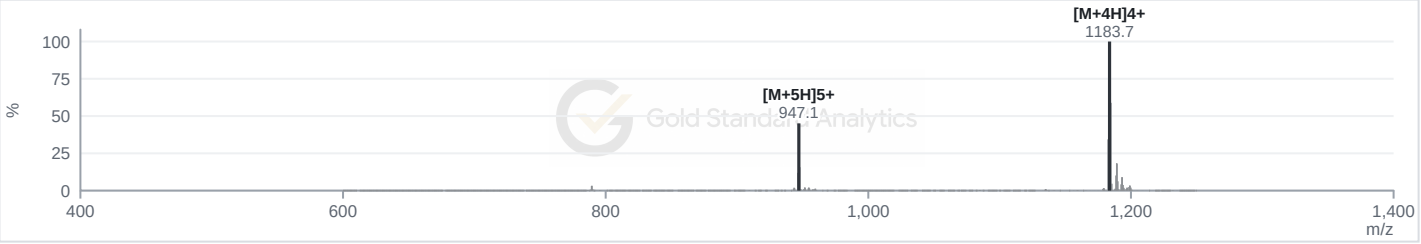
HPLC CHROMATOGRAM

HPLC chromatogram (UV, 214 nm) · mAU, 214 nm against Retention time (min)



MASS SPECTRUM

Mass spectrum at the retatrutide peak (9.00 min) · Counts against m/z



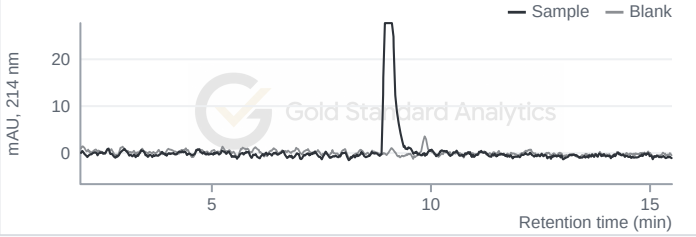
Results

Identity	**Consistent with retatrutide.** The main peak at 9.00 min carries retatrutide's 4+ and 5+ ions (m/z 1183.7 and 947.1; molecular mass 4,730.6, expected 4,731.3).
Purity	**99.53 %** by HPLC with UV detection at 214 nm. No peak other than retatrutide was found, down to about 0.47 % of the retatrutide peak height, so purity is reported as 99.53 % rather than as 100 %.
Net content	**19.3 mg per vial** (96 % of the declared 20 mg).

Zoomed views

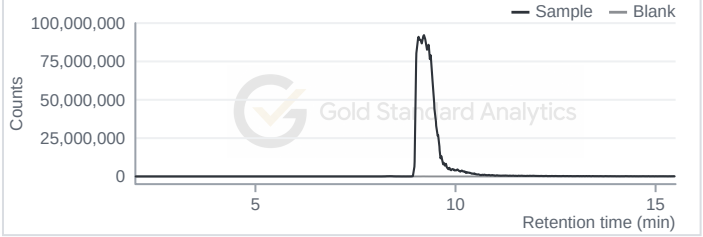
HPLC, SMALL PEAKS

Zoomed in on the small peaks (5 % of the main peak) · mAU, 214 nm against Retention time (min)



ION TRACE

Ion trace, m/z 1183.8 (retatrutide 4+): sample vs blank · Counts against Retention time (min)



Impurities

Every UV peak above the reporting limit was retatrutide.

Amounts are each peak's share of the total UV peak area at 214 nm.

How it was tested

Liquid chromatography with UV and mass-spectrometry detection: Agilent 1290 Infinity II LC with a 6490 triple-quadrupole mass spectrometer. Column Polaris C18-A, 2.0 x 150 mm, 55 °C; water and acetonitrile, each with 0.1 % formic acid. Identity: molecular mass from the multiply charged ions in the mass spectrum. Purity: UV peak area at 214 nm, after subtracting a blank run in the same sequence. 1.2 µL injected; autosampler at 12 °C. Net content: UV absorbance at 280 nm of the retatrutide peak, using the absorptivity calculated from its amino-acid sequence, scaled by the volumes used: the whole vial dissolved in 2.0 mL, and 0.10 mL of that diluted to 1.0 mL; its uncertainty is roughly ±16 %.

Notes

Results apply only to the sample as received and tested.

Release

This report is signed electronically at release. The signature is printed on page 1, and the release record, added as the last page, gives the date and the verification code.

Customer and order	Mike Nguyen · GSA-2026-000113
Sample and report	113-01 · Retatrutide Certificate of Analysis
Report reference	GSA-COA-000113-11301-20261125
Certificate accession	GSA-2026-783332
Released and signed by	Ian Ebert, Laboratory Director
Date and time (UTC)	2026-11-25 21:30:49Z
Signature meaning	Approved for release. The signer reviewed this report and approved its release to its customer.
Approval reference	6fb04bcc-ba80-406f-bba7-d05572b70d2f
Electronic signature	Signed electronically in a signed-in GSA staff account.
Original report SHA-256	f825d47bab6fcea2148023d7004fcfc3e64fe84b3480af78850d9676118ee838
Verify this certificate	https://goldstandardanalytics.com/coa/GSA-2026-783332

Scan to view this certificate online

Signature

Ian Ebert, Laboratory Director