Gold Standard Analytics

Gold Standard Analytics LLC, Houston, TX

CERTIFICATE OF ANALYSIS

Report GSA-COA-000106-10601-20261117 · issued Nov 17, 2026

Ryden Cohen

PRODUCT	ORDER	SAMPLE
Retatrutide	GSA-2026-000106	106-01

LOT	ISSUED
100126	Nov 17, 2026

THE SAMPLE AS RECEIVED

IDENTITY ✓

Retatrutide

confirmed by mass and retention time

PURITY ✓

100 %

HPLC-UV, 214 nm

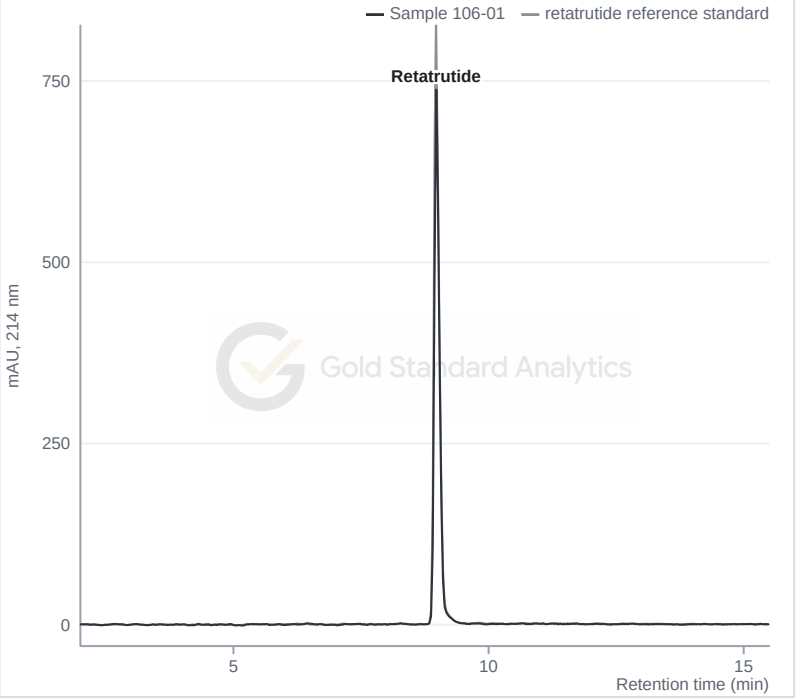
NET CONTENT

59.0 mg

per vial; 98 % of 60 mg declared

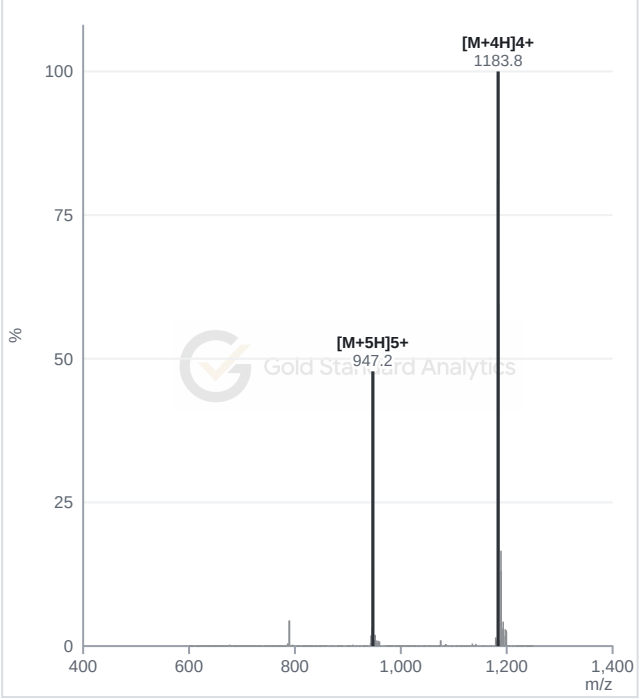
HPLC CHROMATOGRAM

UV, 214 nm



MASS SPECTRUM

at the retatrutide peak (8.97 min)



RELEASED BY

Ian Ebert

Laboratory Director · Nov 19, 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

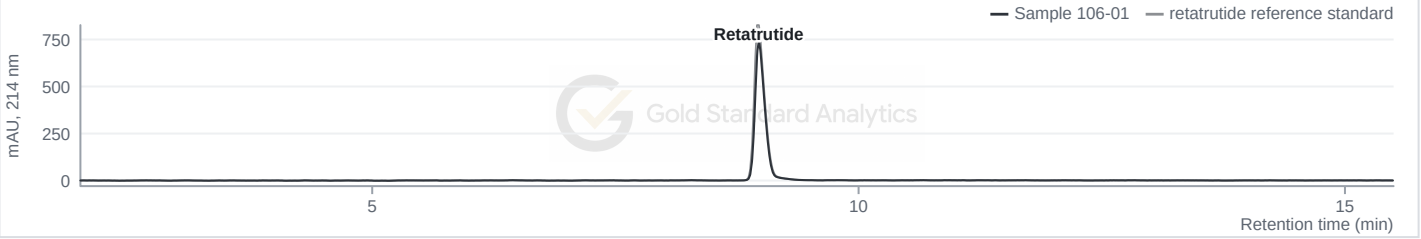
Order GSA-2026-000106 · Sample 106-01 · Ryden Cohen

Customer	**Ryden Cohen**	Lot	**100126**
Order	**GSA-2026-000106**	Prepared	**16 Nov 2026**
Sample	**106-01**	Tested	**17 Nov 2026**
Label	**No label (clear vial, black cap); declared retatrutide "60"**	Tests	**Identity, Purity, Impurity breakdown, Net content**

Graphs

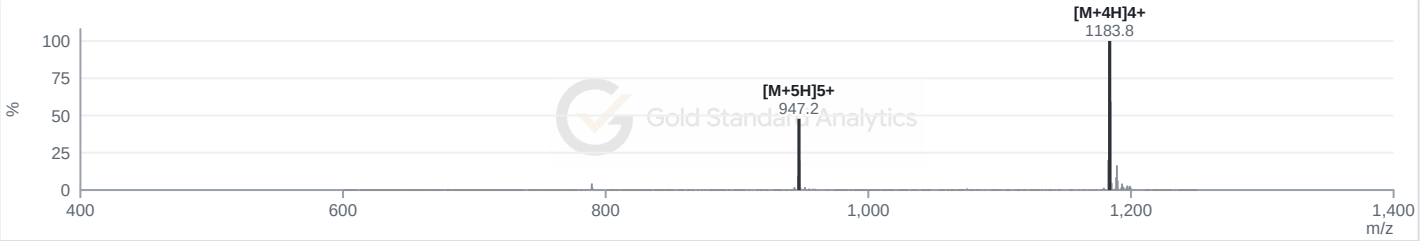
HPLC CHROMATOGRAM

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



MASS SPECTRUM

Mass spectrum at the retatrutide peak (8.97 min) · Counts against m/z



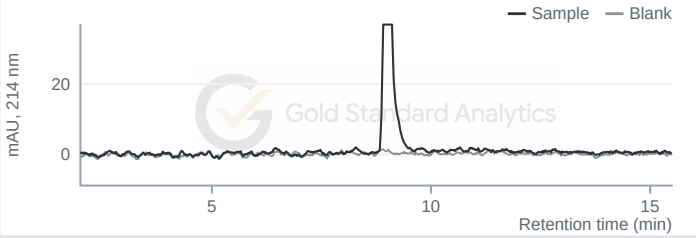
Results

Identity	**Consistent with retatrutide.** The main peak at 8.97 min carries retatrutide's 4+ and 5+ ions (m/z 1183.8 and 947.2; molecular mass 4,731.1, expected 4,731.3) and elutes within 0.1 % of a retatrutide reference standard run in the same sequence (8.97 min).
Purity	**100 %** by HPLC with UV detection at 214 nm: no other peak was found above the reporting limit (about 0.3 % of the retatrutide peak height).
Net content	**59.0 mg per vial** (98 % of the 60 declared in the order, read as mg), measured against a retatrutide reference standard run in the same sequence; the mean of the 214, 220 and 280 nm readings, which agree within 0.3 %.

Zoomed views

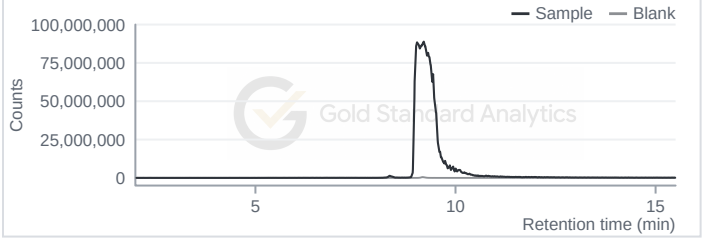
HPLC, SMALL PEAKS

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, and retention time against a retatrutide reference standard run in the same sequence. Purity: UV peak area at 214 nm, after subtracting a blank run in the same sequence. 2 µL injected; autosampler at 12 °C. Net content: UV peak area against a retatrutide reference standard run in the same sequence, scaled by the volumes used: the whole vial dissolved in 3.0 mL, and 0.050 mL of that diluted to 1.0 mL.

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.

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Release record

Report GSA-COA-000106-10601-20261117 · Certificate GSA-2026-395507

Customer and order	Ryden Cohen · GSA-2026-000106
Sample and report	106-01 · Retatrutide Certificate of Analysis
Report reference	GSA-COA-000106-10601-20261117
Certificate accession	GSA-2026-395507
Released and signed by	Ian Ebert, Laboratory Director
Date and time (UTC)	2026-11-19 20:28:36Z
Signature meaning	Approved for release. The signer reviewed this report and approved its release to its customer.
Approval reference	de83ea11-ee9e-42f4-9d81-b11f60330698
Electronic signature	Signed electronically in a signed-in GSA staff account.
Original report SHA-256	0a4faf856862c39027b9279faf3bc207bc9aeea24b6741bd9337d33223877ab7
Verify this certificate	https://goldstandardanalytics.com/coa/GSA-2026-395507

Scan to view this certificate online

Signature

Ian Ebert, Laboratory Director