Gold Standard Analytics

Gold Standard Analytics LLC, Houston, TX

CERTIFICATE OF ANALYSIS

Report GSA-COA-000083-08301-20261116 · issued Nov 17, 2026

Sergio Estrada

PRODUCT	ORDER	SAMPLE
Retatrutide	GSA-2026-000083	083-01
LOT	**ISSUED**	
PB-2026-RET-8102	Nov 17, 2026	



THE SAMPLE AS RECEIVED

IDENTITY

Retatrutide

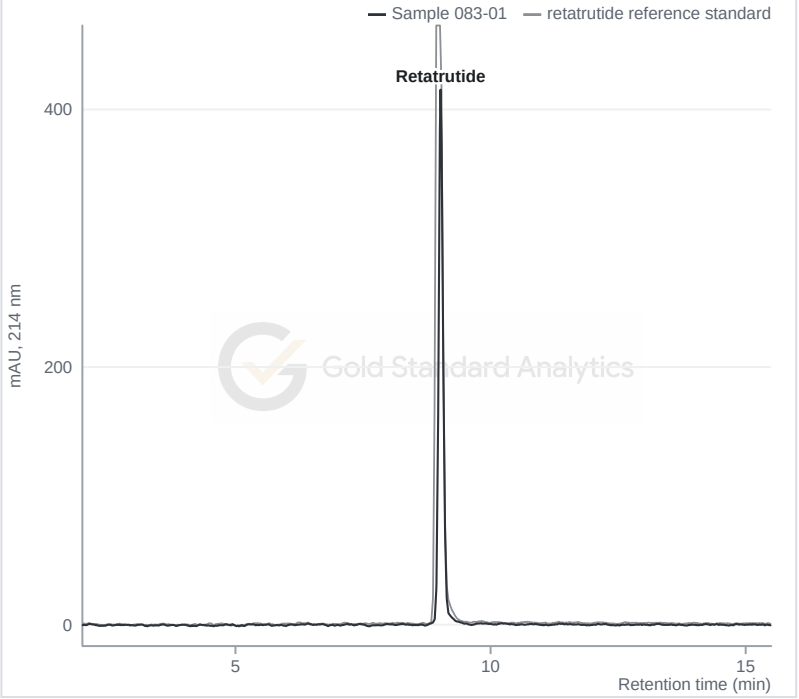
confirmed by mass and retention time

PURITY

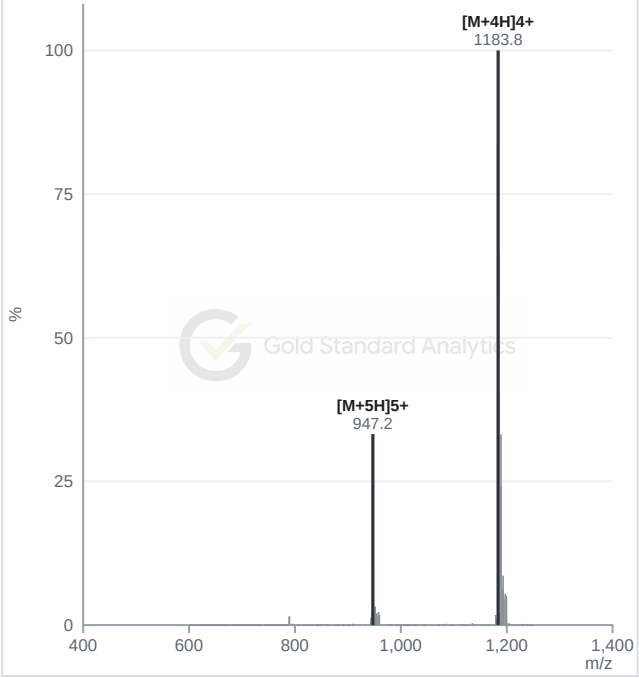
100 %

HPLC-UV, 214 nm

HPLC CHROMATOGRAM UV, 214 nm



MASS SPECTRUM at the retatrutide peak (9.02 min)



RELEASED BY

Ian Ebert
Laboratory Director · Nov 17, 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

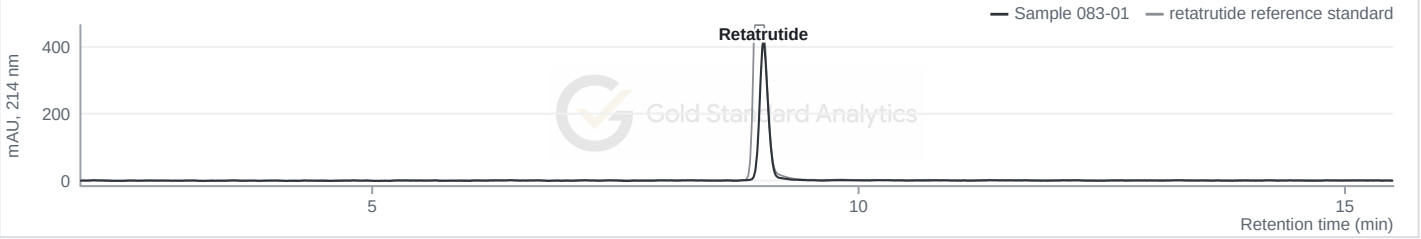
Order GSA-2026-000083 · Sample 083-01 · Sergio Estrada

Customer	**Sergio Estrada**	Lot	**PB-2026-RET-8102**
Order	**GSA-2026-000083**	Prepared	**16 Nov 2026**
Sample	**083-01**	Tested	**16 Nov 2026**
Label	**No label (clear vial, white cap); declared retatrutide 20 mg**	Tests	**Identity, Purity, Impurity breakdown**

Graphs

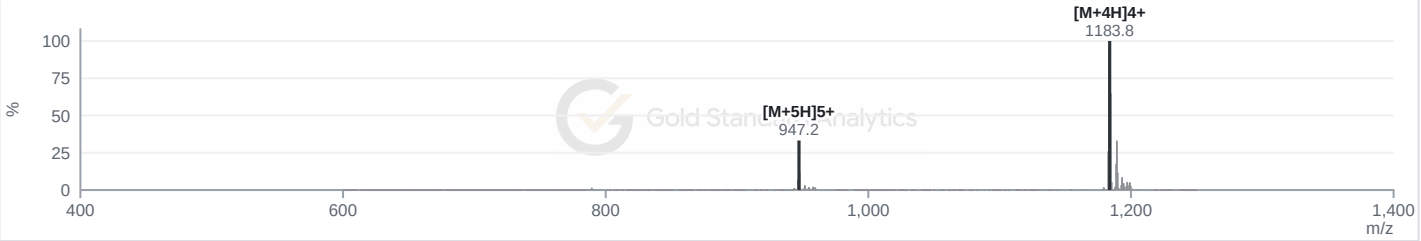
HPLC CHROMATOGRAM

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



MASS SPECTRUM

Mass spectrum at the retatrutide peak (9.02 min) · Counts against m/z



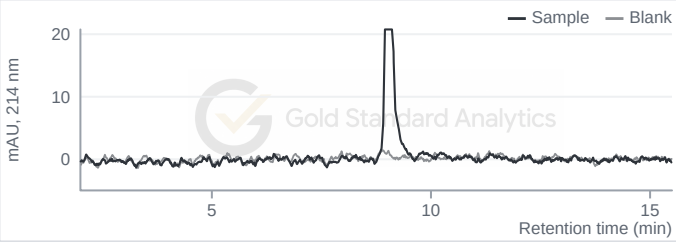
Results

Identity	**Consistent with retatrutide.** The main peak at 9.02 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 0.6 % 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 0.5 % of the retatrutide peak height).

Zoomed views

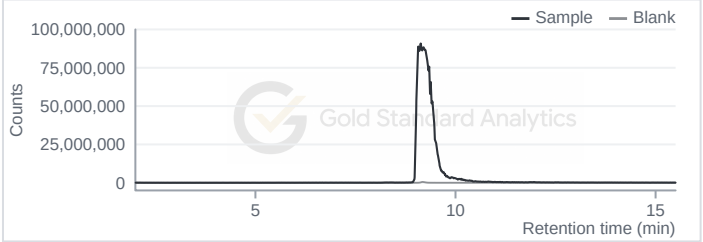
HPLC, SMALL PEAKS

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.

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-000083-08301-20261116 · Certificate GSA-2026-367153

Customer and order	Sergio Estrada · GSA-2026-000083
Sample and report	083-01 · Retatrutide Certificate of Analysis
Report reference	GSA-COA-000083-08301-20261116
Certificate accession	GSA-2026-367153
Released and signed by	Ian Ebert, Laboratory Director
Date and time (UTC)	2026-11-17 19:36:07Z
Signature meaning	Approved for release. The signer reviewed this report and approved its release to its customer.
Approval reference	645b8ef4-9777-47a3-adb9-123f2ca06ae5
Electronic signature	Signed electronically in a signed-in GSA staff account.
Original report SHA-256	3a2684434872a3c4322965997420e06fd0b3e830fa60bd6e791e61cb88aaff0b
Verify this certificate	https://goldstandardanalytics.com/coa/GSA-2026-367153

Scan to view this certificate online

Signature

Ian Ebert, Laboratory Director

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