Gold Standard Analytics

Gold Standard Analytics LLC, Houston, TX

# CERTIFICATE OF ANALYSIS

Report GSA-COA-000108-10801-20261124 · issued Nov 24, 2026

**James Jaudian**

| PRODUCT | ORDER | SAMPLE |
|---|---|---|
| Retatrutide | GSA-2026-000108 | 108-01 |

| LOT | ISSUED |
|---|---|
| RT20 | Nov 24, 2026 |



THE SAMPLE AS RECEIVED

IDENTITY

## Retatrutide

confirmed by mass

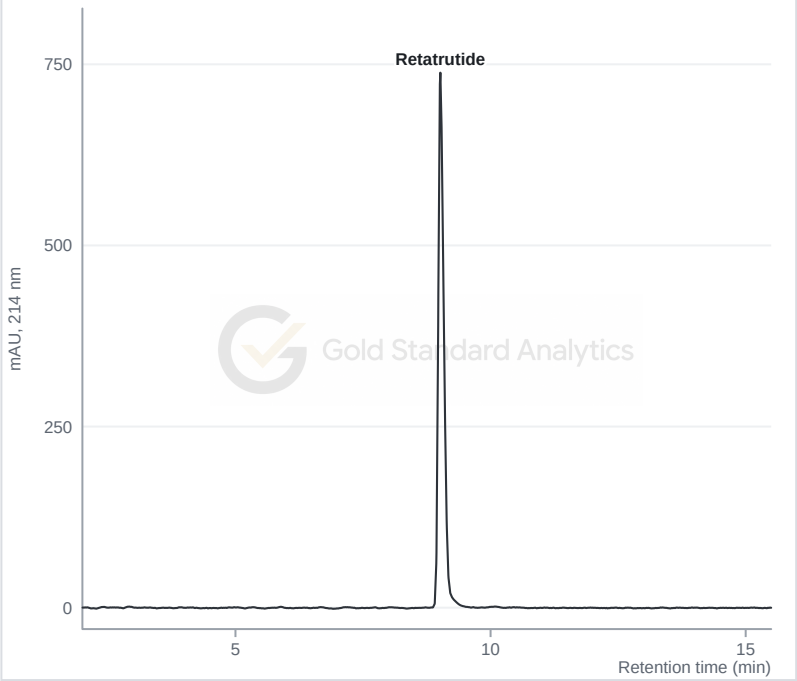
PURITY

**99.7 %**

HPLC-UV, 214 nm

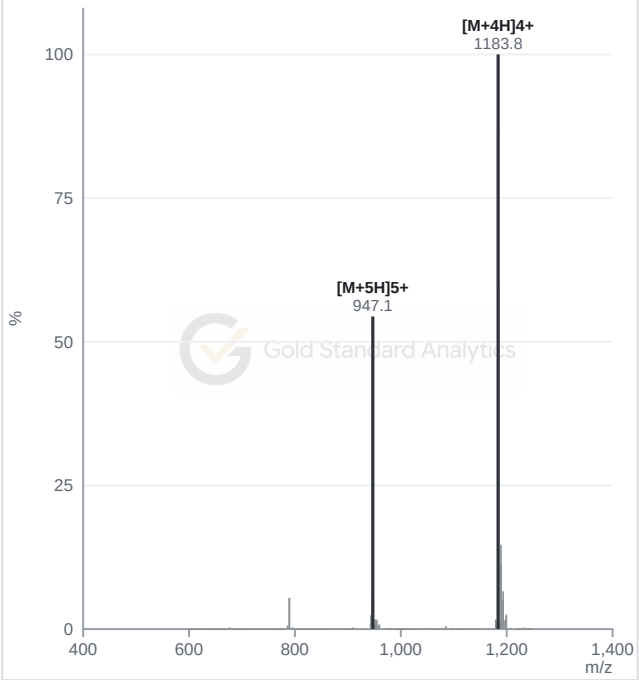
### HPLC CHROMATOGRAM

UV, 214 nm




### MASS SPECTRUM

at the retatrutide peak (9.02 min)




RELEASED BY

**Ian Ebert**

Laboratory Director · Nov 24, 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

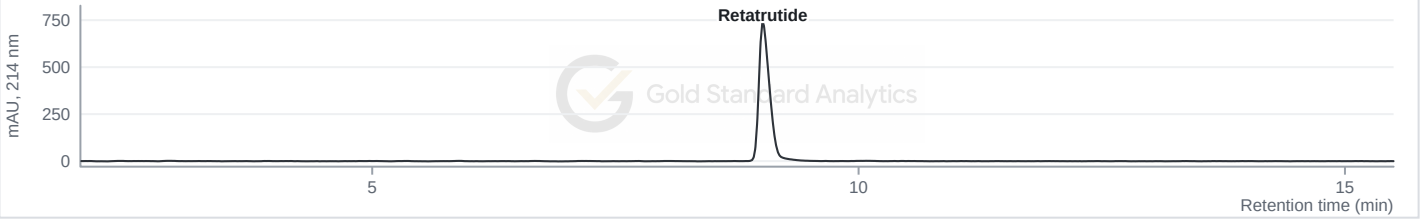
Order GSA-2026-000108 · Sample 108-01 · James Jaudian

| | | | |
|---|---|---|---|
| Customer | **James Jaudian** | Lot | **RT20** |
| Order | **GSA-2026-000108** | Prepared | **23 Nov 2026** |
| Sample | **108-01** | Tested | **24 Nov 2026** |
| Label | **No manufacturer label (clear vial, maroon cap); declared retatrutide 20 mg** | Tests | **Identity, Purity** |

## Graphs

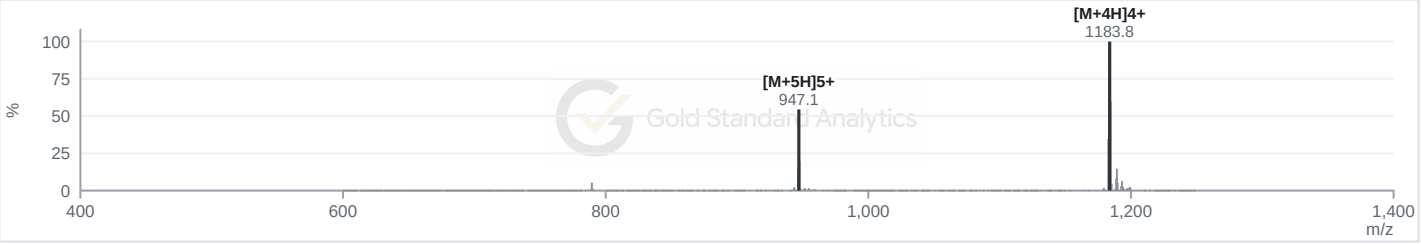
### HPLC CHROMATOGRAM

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

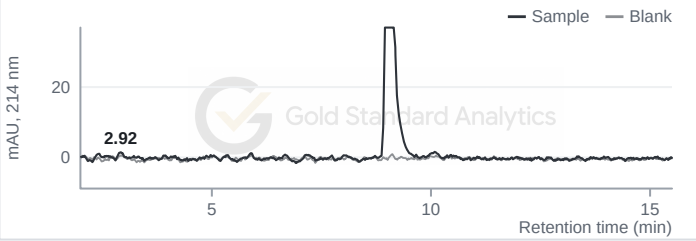
Identity **Consistent with retatrutide.** The main peak at 9.02 min carries retatrutide's 4+ and 5+ ions (m/z 1183.8 and 947.1; molecular mass 4,730.8, expected 4,731.3).

Purity **99.7 %** by HPLC with UV detection at 214 nm (share of the total peak area). 1 impurity was found above the reporting limit (about 0.3 % of the retatrutide peak height); it is listed below.

## Zoomed views

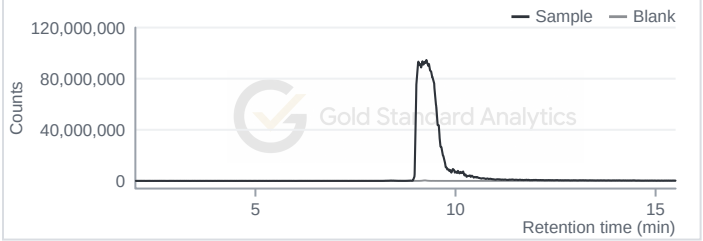
### HPLC, SMALL PEAKS

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 peak other than retatrutide that was found above the reporting limit:

| PEAK (MIN) | AMOUNT | WHAT IT IS |
|---|---|---|
| 2.92 | 0.32 % | A small unidentified peak; its mass spectrum does not match a form of 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. 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.

| | |
|---|---|
| **Customer and order** | James Jaudian · GSA-2026-000108 |
| **Sample and report** | 108-01 · Retatrutide Certificate of Analysis |
| **Report reference** | GSA-COA-000108-10801-20261124 |
| **Certificate accession** | GSA-2026-359154 |
| **Released and signed by** | Ian Ebert, Laboratory Director |
| **Date and time (UTC)** | 2026-11-24 20:41:57Z |
| **Signature meaning** | Approved for release. The signer reviewed this report and approved its release to its customer. |
| **Approval reference** | 06e0d2ea-c715-4ba0-ab28-190049ae74d2 |
| **Electronic signature** | Signed electronically in a signed-in GSA staff account. |
| **Original report SHA-256** | 318bd8c7e191556a532aaa59680a7f3b275b0a758276449a70706b290eb895e3 |
| **Verify this certificate** | https://goldstandardanalytics.com/coa/GSA-2026-359154 |

Scan to view this certificate online

**Signature**

Ian Ebert, Laboratory Director