Gold Standard Analytics

Gold Standard Analytics LLC, Houston, TX

CERTIFICATE OF ANALYSIS

Report GSA-COA-000081-08101-20261104-2 · issued Nov 12, 2026

Mark Miscione

PRODUCT	ORDER	SAMPLE
Retatrutide (as labelled)	**GSA-2026-000081**	**081-01**
LABEL	**LOT**	**ISSUED**
Retatrutide 10 mg	**02SP42001**	**Nov 12, 2026**



THE SAMPLE AS RECEIVED

IDENTITY

Not detected

no retatrutide found

MAIN COMPONENT

Mass 136

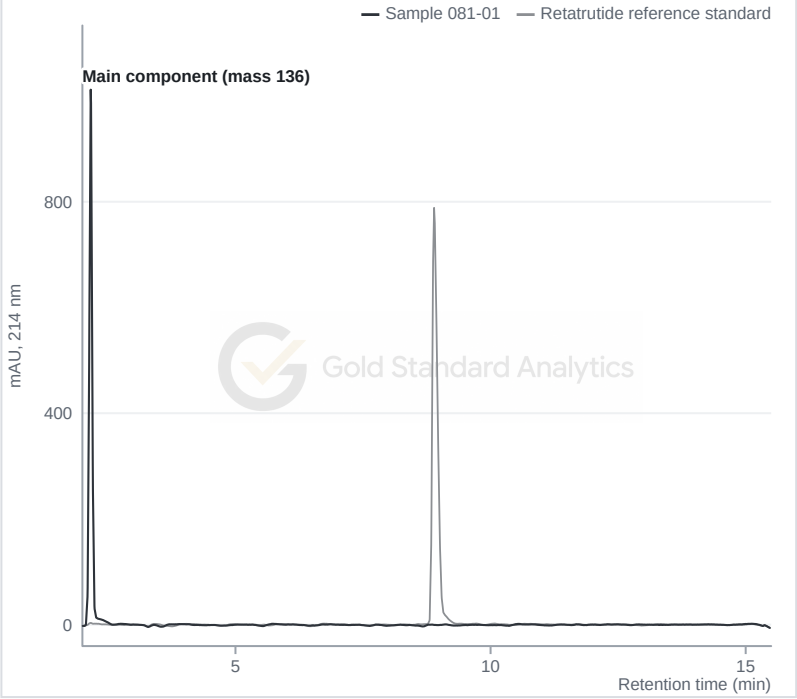
consistent with 4'-hydroxyacetophenone

MAIN COMPONENT SHARE

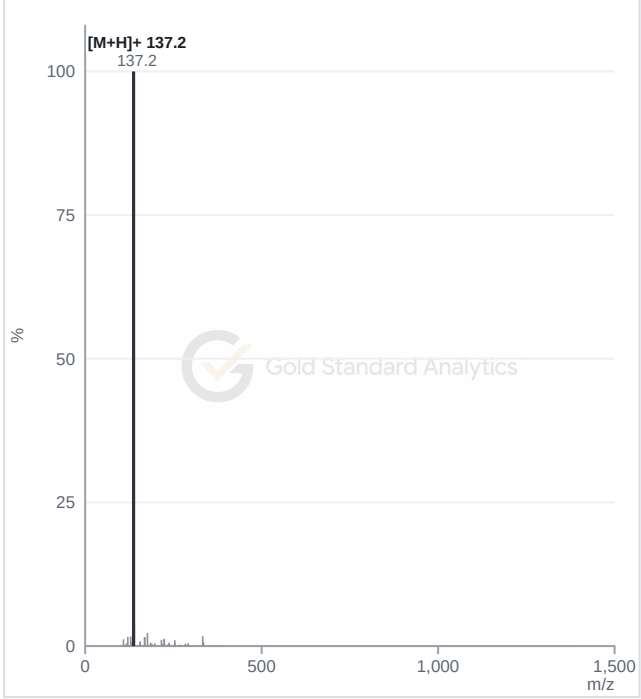
94.5 %

of the UV peak area at 214 nm

HPLC CHROMATOGRAM — UV, 214 nm



MASS SPECTRUM — main component (11.79 min, second method)



RELEASED BY

Ian Ebert

Laboratory Director · Nov 13, 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

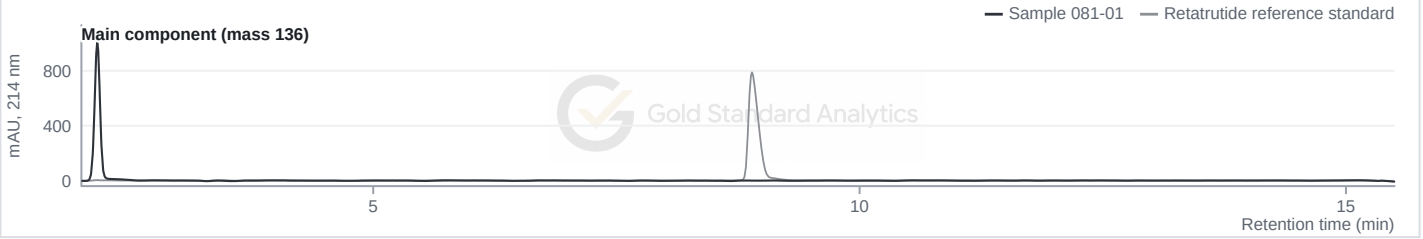
Order GSA-2026-000081 · Sample 081-01 · Mark Miscione

Customer	**Mark Miscione**	Lot	**02SP42001**
Order	**GSA-2026-000081**	Prepared	**4 Nov 2026**
Sample	**081-01**	Tested	**04 Nov 2026**
Label	**Retatrutide 10 mg**	Tests	**Identity**

Graphs

HPLC CHROMATOGRAM

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



MASS SPECTRUM

Mass spectrum of the main component (11.79 min, second method) · Counts against m/z



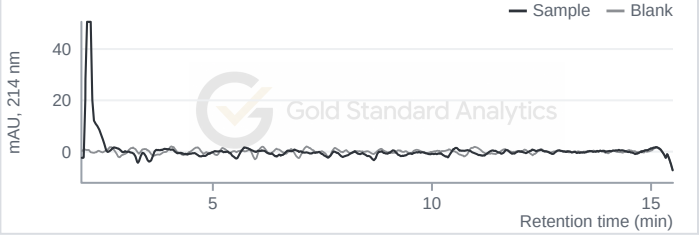
Results

Identity	**Retatrutide not detected.** The sample shows no peak at retatrutide's retention time (8.90 min for a retatrutide reference standard run on the same method) and none of its ions (m/z 1183.8, 947.3 and 789.6 for its 4+, 5+ and 6+ forms) above the level of the blank.
Main component	**A small molecule of mass 136, consistent with 4'-hydroxyacetophenone** (C8H8O2). It gives the main UV peak (2.16 min on this method; 11.79 min on a second, slower method), with its protonated molecule at m/z 137.2 and strong absorbance at 280 nm, as an aromatic ketone shows. It makes up 94.5 % of the UV peak area at 214 nm on this method (peaks after the solvent front). This is a share of the UV signal, not a percentage by weight. No reference sample of 4'-hydroxyacetophenone was injected, so close positional isomers are not fully excluded. The vial also contains a sugar alcohol of mass 182, such as mannitol, a common filler in peptide vials; it does not absorb UV, so it is not part of the 94.5 %.
Purity, content	Not reported: no retatrutide was found to measure.

Zoomed views

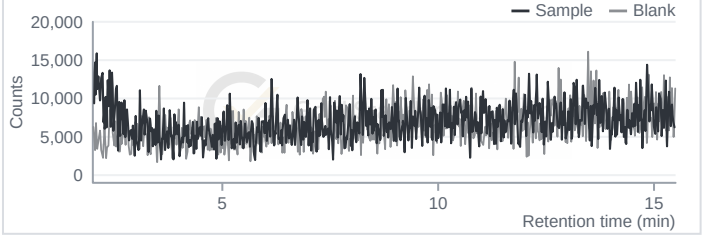
HPLC, SMALL PEAKS

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



ION TRACE

Ion trace, m/z 947.3 (retatrutide 5+): sample vs blank · Counts against Retention time (min)



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: retention time and molecular mass against a retatrutide reference standard run on the same method. A second injection (5 µL) on a slower gradient, scanned to m/z 1400, identified the main component by its mass and UV absorbance.

Notes

Results apply only to the sample as received and tested. The main component is assigned by its mass and UV absorbance only.

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-000081-08101-20261104-2 · Certificate GSA-2026-589014

Customer and order	Mark Miscione · GSA-2026-000081
Sample and report	081-01 · Retatrutide (as labelled) Certificate of Analysis
Report reference	GSA-COA-000081-08101-20261104-2
Certificate accession	GSA-2026-589014
Released and signed by	Ian Ebert, Laboratory Director
Date and time (UTC)	2026-11-13 20:24:17Z
Signature meaning	Approved for release. The signer reviewed this report and approved its release to its customer.
Approval reference	5fae631c-fc3b-48ef-bef5-755b3c0aa0e8
Electronic signature	Signed electronically in a signed-in GSA staff account.
Original report SHA-256	da770d711dc4481691084c4b8400f42ffa98eff5803c685d04e4e6e4ceeaf66e
Verify this certificate	https://goldstandardanalytics.com/coa/GSA-2026-589014

Scan to view this certificate online

Signature

Ian Ebert, Laboratory Director

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