Peptide Test Canada
peptidetestcanada.ca
Canada's Most Trusted Independent Peptide Testing Lab

# Certificate of Analysis

SCAN TO VERIFY

PTC-VQUDKHUN

Lab ID: **RET-711**

REPORTED October 1, 2026

**CLIENT**

VERIFY peptidetestcanada.ca/verify

EMAIL info@peptidetestcanada.ca

ORDER # PTC-545615

**END CUSTOMER**

NAME Sentient Biogenix

## § 01 Sample Information

FOR RESEARCH PURPOSES ONLY

| | | | |
|---|---|---|---|
| Sample ID: | **RET-711** | Received: | **09/22/2026** |
| Compound: | **Retatrutide** | Analyzed: | **10/01/2026** |
| Report No.: | **COA-2026-SC-03168** | CAS: | **2381089-83-2** |
| Lot Number: | **SB-RETA10-260901** | Formula: | **$C_{221}H_{342}N_{46}O_{68}$** |
| Total Mass: | **88.7 mg** | Mol Weight: | **4731.3 g/mol** |
| Appearance: | **Lyophilized powder** | | |

SAMPLE PHOTOGRAPH

## § 02 Analytical Results

*Qualitative and Quantitative chemical analysis by Liquid Chromatography Tandem Mass Spectrometry (HPLC-MS/MS)*

| | SPECIFICATION | RESULT | STATUS |
|---|---|---|---|
| **Compound Test:** | Retatrutide | **Retatrutide** | **PASS** |
| **Net Peptide Content:** | 10.00 mg | **10.74 mg** | |
| **Peptide Fill Accuracy:** | ≥ 90 % | **107.4 %** | |
| **Chromatographic Purity:** | ≥ 98 % | **99.6 %** | |

**Peptide fill accuracy** is the measured net peptide content expressed as a percentage of the declared label claim (measured ÷ label claim × 100).

**Chromatographic purity** is the target peptide's concentration as a percentage of the total peptide concentration measured — the target peptide against the other trace peptides detected in the same sample. It reflects peptide-related impurities only; it does not measure salts, excipients, or water, and is separate from net peptide content (the actual mg of peptide). — means not determined.

## § 03 HPLC-MS/MS Detail

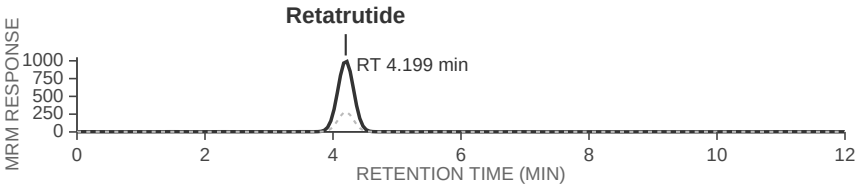
METHOD B · AGILENT 1290 INFINITY II + 6495 QQQ · ESI+

**PRECURSOR [M+5H]5+**

**947.90 Da**

**Quantifier transition ● MRM**

**947.90 › 136.10** CE 30 V




| ROLE | TRANSITION | CE |
|---|---|---|
| ● Quantifier | 947.9 › 136.1 | 30 V |

Agilent Poroshell 120 EC-C18 · 2.1×100 mm · 2.7 µm · Solvent A: 0.1 % formic acid in $H_2O$ · Solvent B: 0.1 % formic acid in Acetonitrile

**Issued October 1, 2026**

**DISCLAIMER · RESEARCH USE ONLY**

Results relate **only to the sample as received** by Side-Chain Analytics Inc. and the tests performed, as and when received — not to any other unit, vial, lot, or batch, and not to any other product bearing the same name, label, or description. This report is not a verification of any lot or batch. **For research use only**: this report is not a certificate of quality, safety, efficacy, or regulatory compliance; the material tested is not authorized by Health Canada for human or veterinary use; and this report is not for human or veterinary administration, clinical or diagnostic use, or label claims. Side-Chain Analytics Inc. does not manufacture, source, or sell the material tested and makes **no warranty, express or implied**; its liability shall not exceed the testing fee. This report may not be reproduced except in full, and may not be reproduced, displayed, quoted, or referenced — in whole or in part, including by any badge, seal, or link — in connection with the advertising, offer for sale, sale, or distribution of any product. This certificate is valid only as currently shown at sidechainanalytics.com/verify and may be withdrawn.

**Issued October 1, 2026**