Peptide Test Canada
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Canada's Most Trusted Independent Peptide Testing Lab

# Certificate of Analysis

SCAN TO VERIFY

PTC-3C45B5YT

Lab ID: **RET-676**

**REPORTED** September 29, 2026

**CLIENT**

**VERIFY** peptidetestcanada.ca/verify

**EMAIL** info@peptidetestcanada.ca

**ORDER #** PTC-822494

**END CUSTOMER**

**NAME** Tianxin Biotechnology Co.

## § 01 Sample Information

FOR RESEARCH PURPOSES ONLY

| | | | |
|---|---|---|---|
| Sample ID: | **RET-676** | Received: | **09/18/2026** |
| Compound: | **Retatrutide** | Analyzed: | **09/29/2026** |
| Report No.: | **COA-2026-SC-03011** | CAS: | **2381089-83-2** |
| Lot Number: | **Lot#ZB-RT20526** | Formula: | **$C_{221}H_{342}N_{46}O_{68}$** |
| Total Mass: | **101.1 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:** | 20.00 mg | **21.08 mg** | |
| **Peptide Fill Accuracy:** | ≥ 90 % | **105.4 %** | |
| **Chromatographic Purity:** | ≥ 98 % | **99.4 %** | |

**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

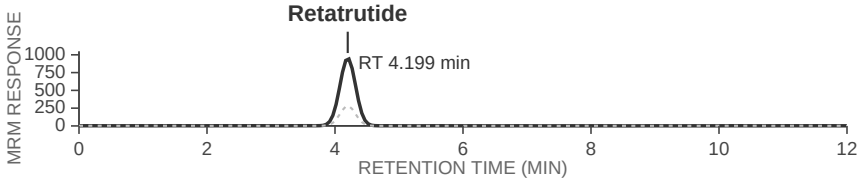
METHOD B · AGILENT 1290 INFINITY II + 6495 QQQ · ESI+

**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