

## ILS Laboratories

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## Retatrutide - 40mg

Tested for: Hydro Research

**PASS**

COA #: COA-2026-953475  
Lot Number: HR-2026-2836  
Labeled Content: 40mg  
Sample Matrix: Lyophilized

Analysis Date: 07/08/2026  
Appearance: Good  
Sample Matrix: Lyophilized  
Vial Size: 3mL  
Date Received: 06/23/2026



Scan to verify  
authenticity at ils-lab.com  
Access Code: HXWQRY54

Method: Full QC Panel

Identity

**Retatrutide**

Peptide Purity

**99.90%**

### Full QC Panel

| Analyte               | Specification | Result    | Unit | Status |
|-----------------------|---------------|-----------|------|--------|
| Peptide Purity (HPLC) | >= 95.0%      | 99.90%    | %    | PASS   |
| Net Peptide Content   | Report Only   | 42.64     | mg   | N/A    |
| Identity (HPLC-RTM)   | Retatrutide   | Confirmed | -    | PASS   |



Retatrutide 40mg - HR-2026-2836

### HPLC Chromatogram



Retatrutide 40mg - HR-2026-2836: UV Chromatogram

### Heavy Metals Analysis (ICP-MS)

| Test          | Specification | Result       | Status |
|---------------|---------------|--------------|--------|
| Arsenic (As)  | NMT 1.5 ppm   | Not Detected | PASS   |
| Cadmium (Cd)  | NMT 0.5 ppm   | Not Detected | PASS   |
| Chromium (Cr) | NMT 10 ppm    | Not Detected | PASS   |
| Mercury (Hg)  | NMT 1.5 ppm   | Not Detected | PASS   |
| Lead (Pb)     | NMT 1 ppm     | Not Detected | PASS   |



*Handwritten signature*

**Dr. Greg Kalyuzhny**  
Lab Director  
7/8/2026

COA #: COA-2026-953475  
Access Code: HXWQRY54  
Verify: <portal.ils-lab.com/verify/ZAKFxdNCPOG5Bjbt>  
Issued: 7/8/2026

Sterility Testing (PCR)

| Test            | Specification | Result    | Status |
|-----------------|---------------|-----------|--------|
| Sterility (PCR) | No Growth     | No Growth | PASS   |

Endotoxin Testing (USP <85>)

| Test                 | Specification | Result      | Status   |
|----------------------|---------------|-------------|----------|
| Endotoxin (USP <85>) | Report Result | 0.128 EU/mL | Reported |

About this result: Endotoxin is reported as a quantitative value. Acceptable limits vary by product type and matrix, so no universal pass/fail threshold applies to RUO products. This result is below commonly referenced endotoxin thresholds.

Notes & Methodology

1. Date Tested: 07/08/2026. Methods: Full QC Panel.
2. The sample was confirmed to be Retatrutide by HPLC. Identification by chromatographic retention time comparison with a reference standard.
3. Elemental impurities analyzed by ICP-MS per USP <233> methodology. Acceptance criteria are internal laboratory quality screening limits for research-use materials and do not represent evaluation against any specific pharmacopeial monograph or product specification.
4. Endotoxin tested per USP <85> kinetic turbidimetric method. Acceptance criteria per client specification.
5. Peptide purity determined by RP-HPLC area normalization at 214 nm. Value represents the percentage of the target peptide relative to all peptide-related peaks. Non-peptide process-related impurities, if detected, are excluded from the calculation.