

CERTIFICATE OF ANALYSIS · IDENTITY · PURITY

Retatrutide

20 mg

Client: **Luxara Research Company - LuxaraLabs.com**

LAB ID RET-428_D ISSUED SEPTEMBER 3, 2026

§ 01 Sample Information

Sample ID: **RET-428_D**
Compound: **Retatrutide**
Report No.: **COA-2026-SC-01989**
Lot Number: **R27806**
Total Mass: **104.5 mg**
Appearance: **Lyophilized powder**
Received: **08/26/2026**
Analyzed: **09/03/2026**
CAS: **2381089-83-2**
Formula: **C₂₂₁H₃₄₂N₄₆O₆₈**
Mol Weight: **4731.3 g/mol**



SAMPLE PHOTOGRAPH

§ 02 Analytical Results

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

Instrument · Agilent 1290 Infinity II with Agilent 6495 QQQ

IDENTITY

Retatrutide

Principal component confirmed against reference standard

NET PEPTIDE CONTENT

22.13 mg

Total peptide in the vial as received

PEPTIDE FILL ACCURACY

110.7 %

Measured net content ÷ declared label claim

CHROMATOGRAPHIC PURITY

99.6 %

Principal-component peak area (Ph. Eur. 2.2.46)

Identity confirmation criteria — MRM 947.9 > 136.1 (quantifier); retention time —: in agreement with reference standard.

Chromatographic purity bounds peptide-related impurities only — not excipients, counter-ions, or residual water — and is separate from net peptide content.

Values are reported as measured; this document contains **no pass/fail determination** against any specification or label claim.

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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.



SCAN TO VERIFY
COA-2026-SC-01989
gKpHud8Vxc4tp2j6-WbMjw
sidechainanalytics.com/verify

Retatrutide

20 mg

Client: **Luxara Research Company - LuxaraLabs.com**

LAB ID ENDO-RET-428_D ISSUED SEPTEMBER 3, 2026

§ 01 Sample Information

Sample ID: ENDO-RET-428_D
Compound: Retatrutide
Report No.: COA-2026-SC-01989-EN
Lot Number: R27806
Total Mass: 104.5 mg
Aliquot mass: 12.1 mg
Appearance: Lyophilized powder
Received: 08/26/2026
Analyzed: 09/03/2026
CAS: 2381089-83-2
Formula: $C_{221}H_{342}N_{46}O_{68}$
Mol Weight: 4731.3 g/mol

SAMPLE PHOTOGRAPH



§ 02 Endotoxin Analysis

KINETIC CHROMOGENIC LAL/TAL ENDOTOXIN TEST (USP <85>)

BACTERIAL ENDOTOXIN · KINETIC CHROMOGENIC (QUANTITATIVE)

< 0.10

 EU/mg*Measured endotoxin < 0.10 EU/mg is within acceptance (< 0.15 EU/mg).*

Test method	Kinetic Chromogenic LAL/TAL Endotoxin Test (USP <85>)
Test kit	FireGene Kinetic Chromogenic Endotoxin Test Kit (FG-XSF005-96)
Instrument	SpectraMax 340PC-384 · SoftMax Pro 7.4
Sample dilution	Sample dilution 1:50 (working 0.096 mg/mL)
Mean onset time	4610 s
Result	< 0.10 EU/mg
Acceptance limit	< 0.15 EU/mg accept · 0.15–1.0 warning · > 1.0 fail
Spike recovery (PPC)	54%

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SCAN TO VERIFY
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