

REPORTED July 18, 2026

CLIENT

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§ 01 Sample Information

FOR RESEARCH PURPOSES ONLY

Sample ID: RET-095

Received: 07/15/2026

Compound: Retatrutide

Analyzed: 07/18/2026

Report No.: COA-2026-SC-00311

CAS: 2381089-83-2

Lot Number: R-3001

Formula: C₂₂₁H₃₄₂N₄₆O₆₈

Total Mass: 59.8 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 (LC-MS/MS)

	SPECIFICATION	RESULT	STATUS
Compound Test:	Retatrutide	Retatrutide	PASS
Net Peptide Content:	30.00 mg	33.44 mg	
Peptide Label Accuracy:	≥ 90 %	111.5 %	
Chromatographic Purity:	≥ 98 %	99.47 %	

Chromatographic purity is the target peptide's HPLC-MS/MS principal component analysis, expressed as a percentage of total integrated peak area (Ph. Eur. 2.2.46) — it bounds peptide-related impurities only, not excipients, counter-ions, or residual water, and is separate from net peptide content. — indicates not determined.

§ 03 LC-MS/MS Detail

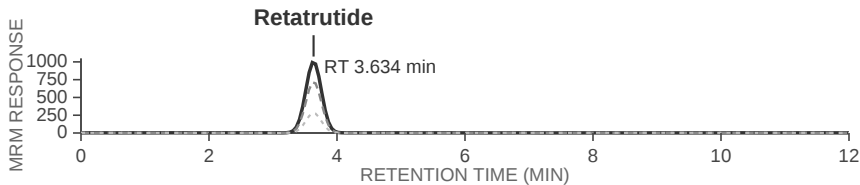
METHOD B · AGILENT 1290 INFINITY II + 6495 QQQ · ESI+

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
■ Qualifier	947.9 > 110.1	35 V

Agilent Poroshell 120 EC-C18 · 2.1×100 mm · 2.7 μm · Solvent A: 0.1 % formic acid in H₂O · Solvent B: 0.1 % formic acid in Acetonitrile

DISCLAIMER · RESEARCH USE ONLY
Results relate **only to the sample as received** and the tests performed — not to any other unit, lot, or batch. **For research use only:** not a certificate of quality, safety, efficacy, or regulatory compliance, and not for human or veterinary administration, clinical or diagnostic use, or label claims. SideChain Analytics does not manufacture, source, or sell the material and makes **no warranty, express or implied**; its liability shall not exceed the testing fee. This report may not be reproduced except in full.