SIDECHAIN ANALYTICS

SCAN TO VERIFY
COA-2026-SC-05001
sidechainanalytics.com/verify

CERTIFICATE OF ANALYSIS · IDENTITY · PURITY

Retatrutide

20 mg · CAS 2381089-83-2 · $C_{221}H_{342}N_{46}O_{68}$ · 4731.3 g/mol

Client: **Vanguard Compound Research**

SAMPLE ID **RET-1041_D** ISSUED NOVEMBER 13, 2026

§ 01 Sample Information

Report No.:	**COA-2026-SC-05001**
Appearance:	**Lyophilized powder**
Received:	**11/04/2026**
Analyzed:	**11/13/2026**



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	NET PEPTIDE CONTENT	PEPTIDE FILL ACCURACY	CHROMATOGRAPHIC PURITY
Confirmed	**21.19 mg**	**105.9 %**	**99.8 %**
Principal component confirmed against reference standard	Total peptide in the vial as received	Measured net content ÷ declared label claim	Principal-component peak area (Ph. Eur. 2.2.46)

Chromatographic purity is calculated by quantifying every peptide in the method and expressing the target peptide's concentration as a percentage of the total peptide concentration measured — the target against all other peptide signal detected in the same sample. It is separate from net peptide content; this document contains **no pass/fail determination** against any specification or label claim.

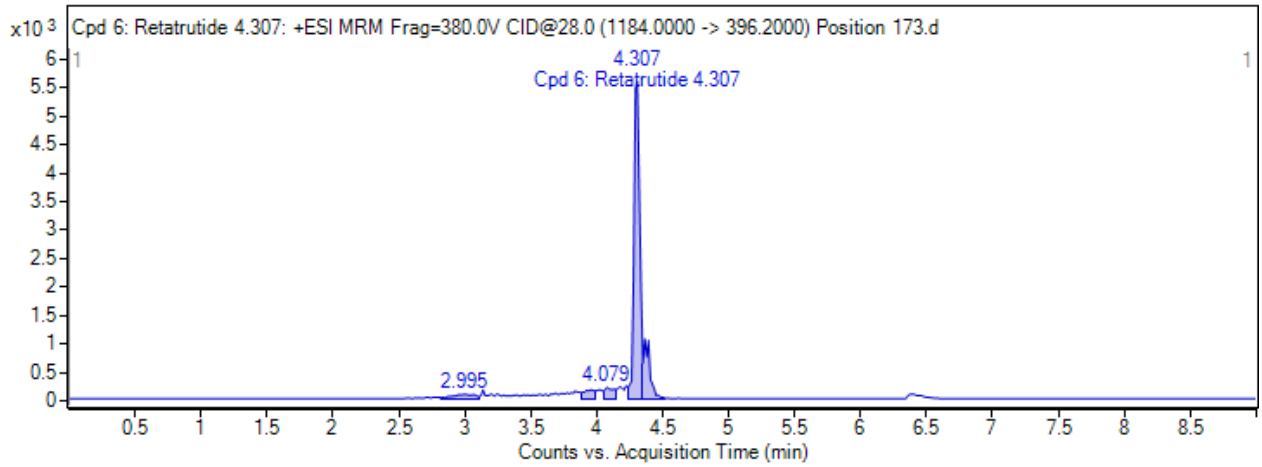
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§ 03 Chromatogram — Retatrutide

Instrument acquisition — HPLC-MS/MS (MRM). Chromatographic trace as acquired for this sample.



Retatrutide