

CERTIFICATE OF ANALYSIS

COA #: **SD20260714_RET30**

SAMPLE INFORMATION

Client	MTCompounds	Accession #	SD20260714_003
Compound	Retatrutide	Date Received	07/13/2026
Molecular Formula	C221H342N46O68	Date Reported	07/17/2026
Counter Ion / Salt	Sodium Salt	Appearance	White lyophilized powder
Labeled Quantity	30mg	Sample Form	Lyophilized Vial
Lot / Batch #	N/A	Storage	Room Temp
CAS Number	2381089-83-2	Crimp Color	Silver crimp, blue cap



All Chemical Analysis Performed by LC-MS/MS

ANALYTICAL RESULTS

Test / Analysis	Method	Specification	Result	Status
Identity (Mass Confirmation)	LC-MS/MS	Matches reference mass	Retatrutide	Pass
Purity	LC-MS/MS	≥ 95.0%	99.66%	Pass
Net Peptide Content	LC-MS/MS	Report value	31.79 mg	Pass
Observed Molecular Mass	LC-MS	Within ± 1.0 Da	1183.8 [M + 4H] ⁴	Pass
Theoretical Molecular Mass	Reference	—	4731.35 Da	Pass
Related Substances / Impurities	LC-MS/MS	Report value	Not Detected	Pass
Residual Solvents	LC-MS/MS	Report value	Not Detected	Pass

John Humes, MS. **John Humes, MS.**
Analyzed by · Laboratory Analyst · 07/17/2026

Chetan Soni, Ph.D. **Chetan Soni, Ph.D.**
Approved by · Laboratory Director · 07/17/2026

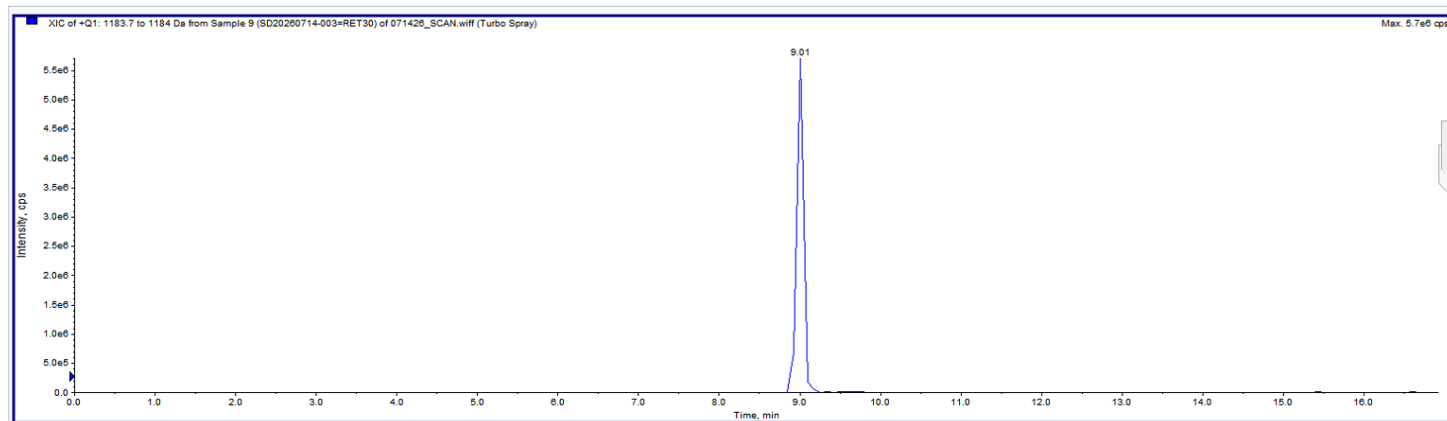
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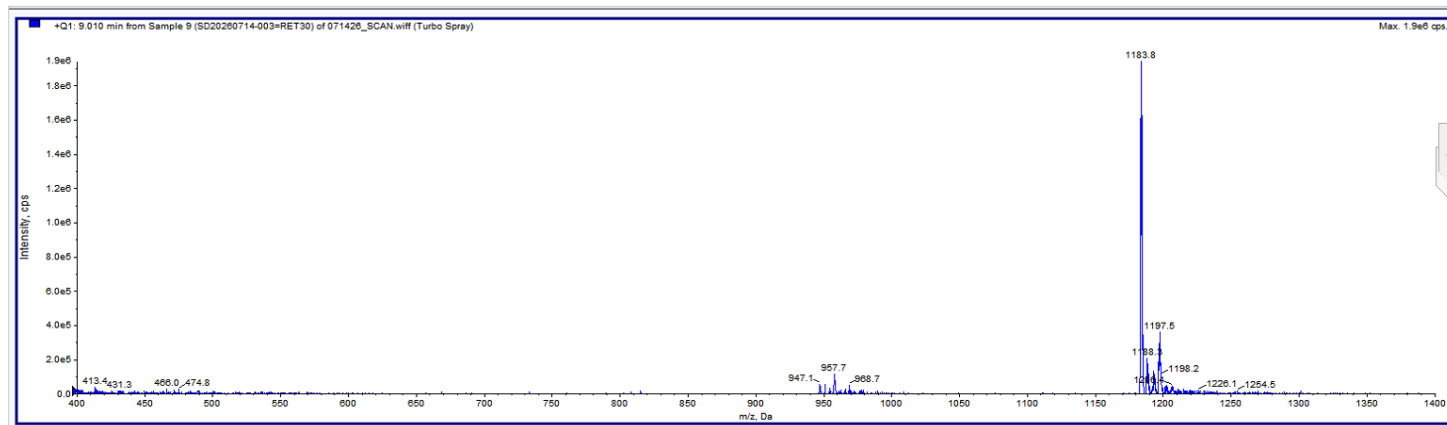
ANALYTICAL DATA

COA #: **SD20260714_RET30**

CHROMATOGRAM



MASS SPECTRUM (LC-MS)



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ANALYTICAL INTERPRETATION

Chromatogram

Retention Time Match

Mass Spectrum (LC-MS)

LC-MS analysis of the submitted Retatrutide sample produced a single dominant precursor ion at $m/z \approx 1183.8$ Da, with minor associated peaks between 1188–1206Da. The retention time was approximately 8.9 minutes, consistent with the expected elution window for this compound under standard chromatographic conditions.

The spectral profile confirms the presence of a single major species corresponding to the Retatrutide molecular ion, with no significant secondary peaks indicative of impurities or degradation products. The data supports the compound identity and purity within the limits of the LC-MS method.

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