

Client: A1 Bioresearch
jmbarraza.x@gmail.com

Sample received: **09/12/25**
Analysis conducted: **09/18/25**

Compound:	Retatrutide	CAS:	2381089-83-2
Batch/Lot #:	66-R10-25-003	Formula:	C221H342N46O68
Appearance:	White lyophilized powder	Mol Wt:	4845.444 g/mol

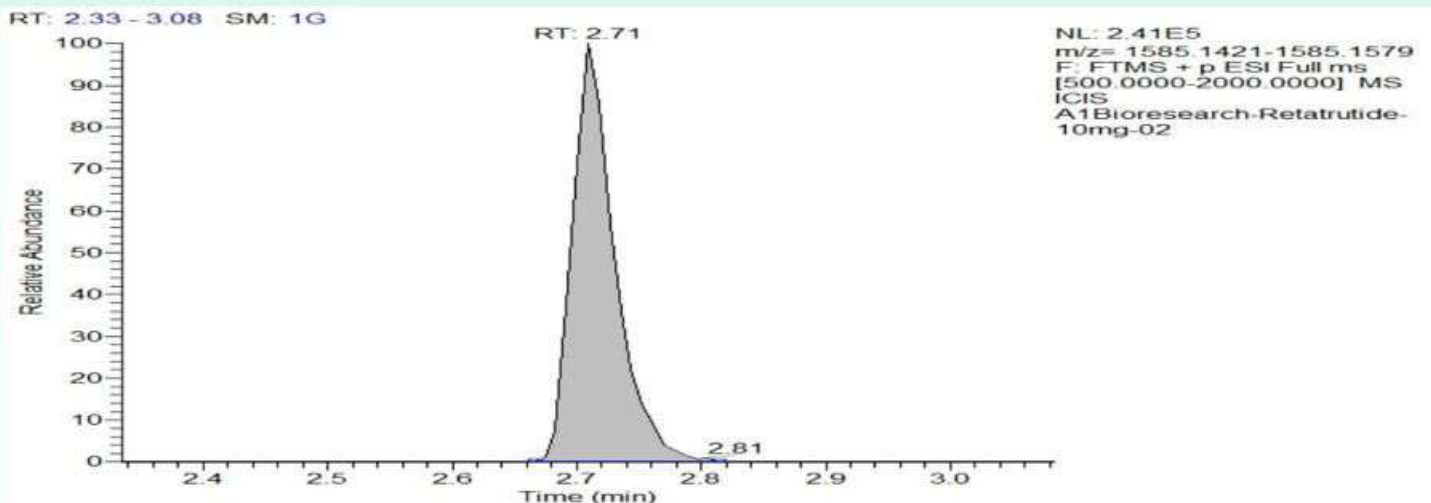
Method: Qualitative and Quantitative chemical analysis by Ultra High Performance Liquid Chromatography with Mass Spectrometry

Pubchem CID: 171390338

Retatrutide | C221H342N46O68 | Pubchem CID 171390338

	Specification	Result	
Identity Test:	Retatrutide	Retatrutide	Conforms
Quantity:	10 mg	13.82 mg	Conforms
Purity:	>99%	99.92%	Conforms

LC-MS Chromatogram: Retention Time and Peak Analysis



TEST REPORT



E-mail: info@janoshik.com
Web: www.janoshik.com

Task Number #151063

Testing ordered > 22 APR '26

Sample received > 22 APR '26

Client Yuansensetech Peptide

Sample Retatrutide 10mg

Manufacturer www.yuansensetech.com

Batch 2026/4

Sample description >

See picture or pictures attached.

Tests requested >

Common GLP-1 peptide blind test (Semaglutide, Tirzepatide and Retatrutide)

Results >



Retatrutide	11.21 mg
Purity	99.403%

Comments >

Analysis conducted > 24 APR 2026

Signature >

Verify this test at www.janoshik.com/verify/ with the following unique key

H9E4JERN3I34

Lot Number: [PP-1106202-E](#)
Client Name: [Purple peptides](#)
Identity: <https://www.purplepeptides.net>

Received Date: [04/23/2026](#)
Analysis Conducted: [04/18/2026](#)
Searchable via: horizonanalytical.com

Compound:	Retatrutide
Lot:	PP-1106202-E
Appearance:	-

CAS:	2381089-83-2
Formula:	C ₂₂₁ H ₃₄₂ N ₄₆ O ₆₈
Mol Weight:	~4731 g/mol

Pubchem CID: 171390338

Endotoxin Test

	Specification	Result	Scan to Validate:
Compound Test:	Retatrutide	-	
Endotoxin:	-	< 0.05 EU/mL	

Aleksey Yevtodiyenko PhD
Research and Formulation Chemist



This endotoxin analysis was performed under standard laboratory conditions using validated testing methodologies to ensure accurate and reliable results. The analysis is intended for informational and research purposes only.

Contact at: contact@horizonanalytical.com

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Lot Number: **PP-1106202-P**
 Client Name: **Purple peptides**
 Identity: <https://www.purplepeptides.net>

Received Date: **04/23/2026**
 Analysis Conducted: **04/18/2026**
 Searchable via: horizonanalytical.com

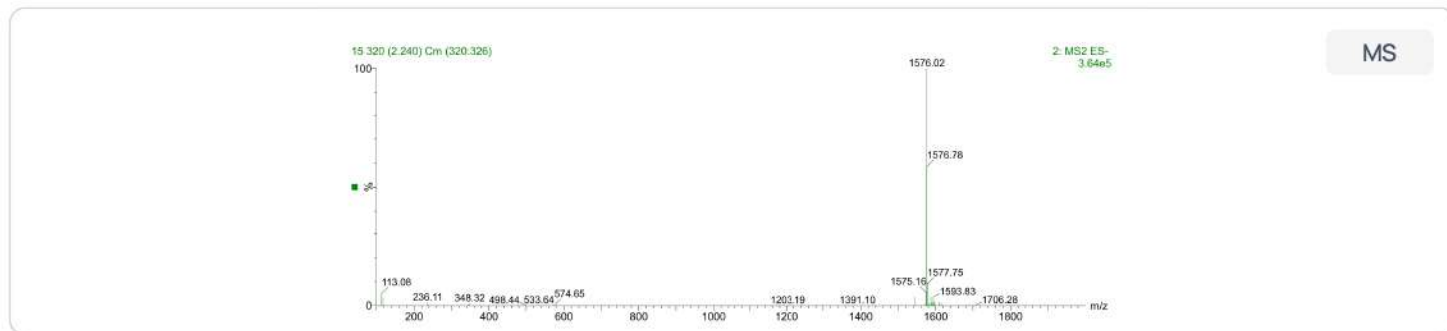
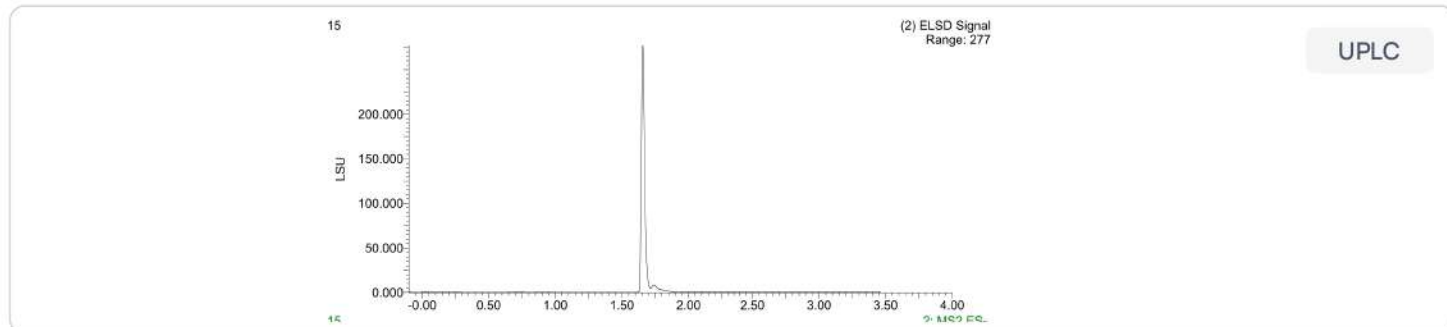
Compound:	Retatrutide
Lot:	PP-1106202-P
Appearance:	White Lyophilized Powder

CAS:	2381089-83-2
Formula:	C ₂₂₁ H ₃₄₂ N ₄₆ O ₆₈
Mol Weight:	~4731 g/mol

Pubchem CID: 171390338

Qualitative and Quantitative chemical analysis by Ultra High Performance Liquid Chromatography with Mass Spectrometry

	Specification	Result	Scan to Validate:
Compound Test:	Retatrutide	Retatrutide	
Quantity:	30mg	29.8mg	
Purity:	>98%	99.38%	



Aleksey Yevtodiyyenko PhD
Research and Formulation Chemist

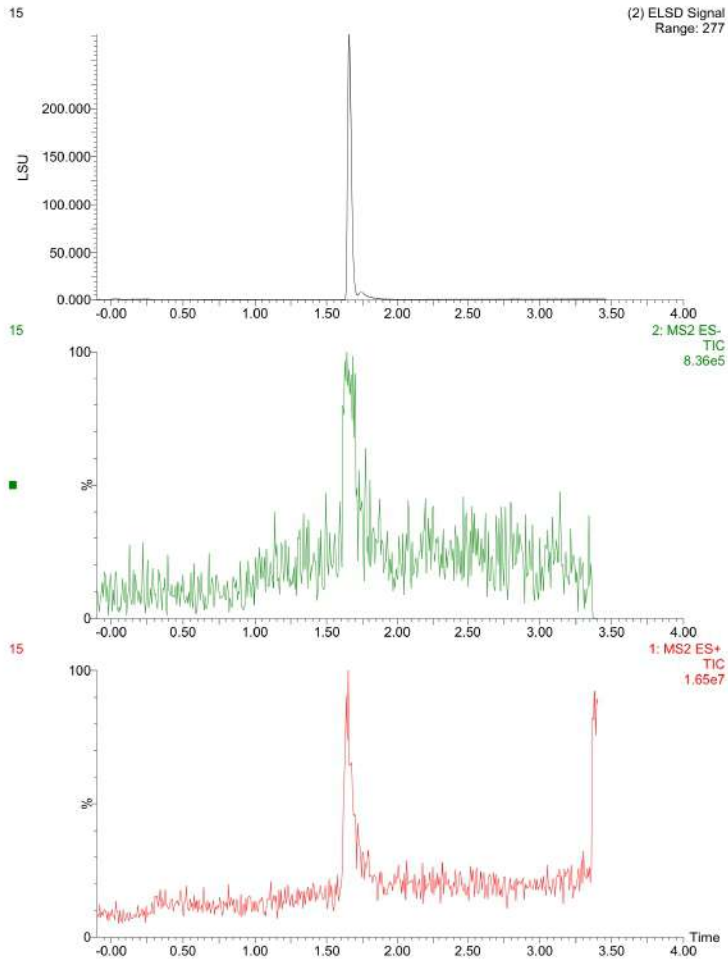


This purity analysis was conducted using UPLC/MS under standard laboratory conditions, following validated analytical protocols to ensure accurate and reliable results. This analysis is intended for informational and research applications.

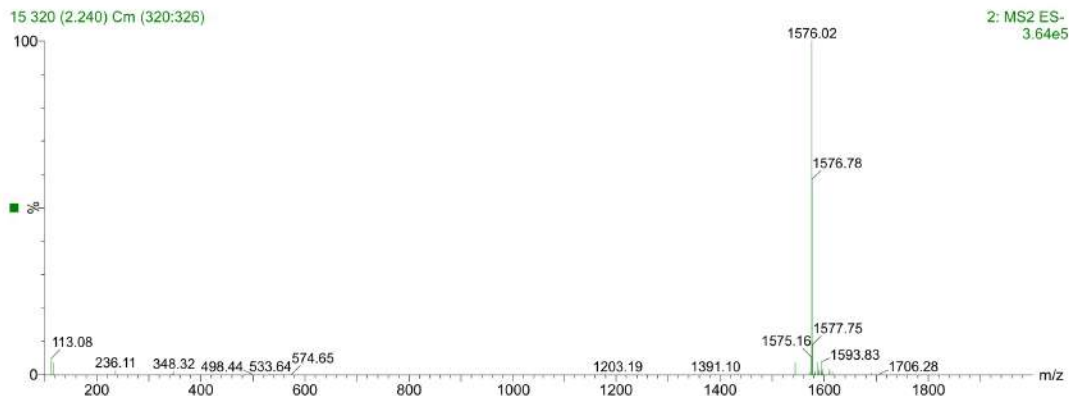
Lot Number: PP-1106202-P
Client Name: Purple peptides
Identity: <https://www.purplepeptides.net>

Received Date: 04/23/2026
Analysis Conducted: 04/18/2026
Searchable via: horizonanalytical.com

Retatrutide (30mg) • Pubchem CID: 171390338
Ultra High Performance Liquid Chromatography (UPLC)



Mass Spectrometry (MS)



Lot Number: PP-9759917-E
Client Name: Purple peptides
Identity: <https://www.purplepeptides.net>

Received Date: 04/23/2026
Analysis Conducted: 04/18/2026
Searchable via: horizonanalytical.com

Compound:	Retatrutide
Lot:	PP-9759917-E
Appearance:	-

CAS:	2381089-83-2
Formula:	C ₂₂₁ H ₃₄₂ N ₄₆ O ₆₈
Mol Weight:	~4731 g/mol

Pubchem CID: 171390338

Endotoxin Test

	Specification	Result	Scan to Validate:
Compound Test:	Retatrutide	-	
Endotoxin:	-	< 0.05 EU/mL	

Aleksey Yevtodiyenko PhD
Research and Formulation Chemist



This endotoxin analysis was performed under standard laboratory conditions using validated testing methodologies to ensure accurate and reliable results. The analysis is intended for informational and research purposes only.

Contact at: contact@horizonanalytical.com

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Lot Number: **PP-9759917-P**
 Client Name: **Purple peptides**
 Identity: **<https://www.purplepeptides.net>**

Received Date: **04/23/2026**
 Analysis Conducted: **04/18/2026**
 Searchable via: **horizonanalytical.com**

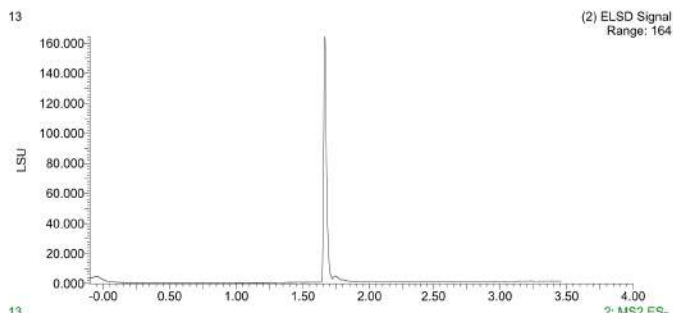
Compound:	Retatrutide
Lot:	PP-9759917-P
Appearance:	White Lyophilized Powder

CAS:	2381089-83-2
Formula:	C ₂₂₁ H ₃₄₂ N ₄₆ O ₆₈
Mol Weight:	~4731 g/mol

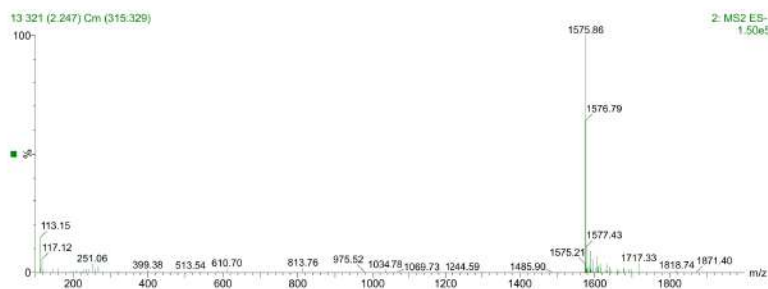
Pubchem CID: 171390338

Qualitative and Quantitative chemical analysis by Ultra High Performance Liquid Chromatography with Mass Spectrometry

	Specification	Result	Scan to Validate:
Compound Test:	Retatrutide	Retatrutide	
Quantity:	10mg	9.82mg	
Purity:	>98%	99.3%	



UPLC



MS

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 Research and Formulation Chemist

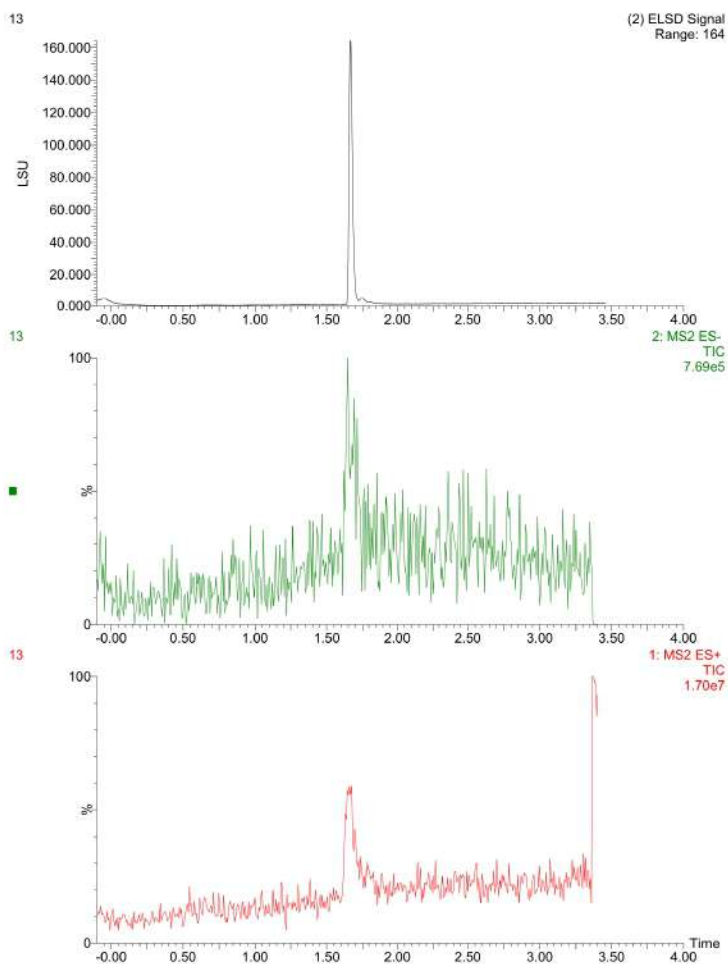


This purity analysis was conducted using UPLC/MS under standard laboratory conditions, following validated analytical protocols to ensure accurate and reliable results. This analysis is intended for informational and research applications.

Lot Number: PP-9759917-P
Client Name: Purple peptides
Identity: <https://www.purplepeptides.net>

Received Date: 04/23/2026
Analysis Conducted: 04/18/2026
Searchable via: horizonanalytical.com

Retatrutide (10mg) • Pubchem CID: 171390338
Ultra High Performance Liquid Chromatography (UPLC)



Mass Spectrometry (MS)

