

Certificate Of Analysis

**Client:****NovaCell Peptides**

NovaCell Peptides

NCBL Sciences OÜ

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Sample Identification

Sample Name	Nova Triple G 10 mg	Batch Number	N3-022601	Date Published	2026-03-09 12:24
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Results for Lyo-0324

Analysis of Peptide Identity, Content and Purity	Result	Unit	Uncertainty	Reporting Limit
Retatrutide Assay Peptide Screening	10.66	mg	[± 0.05]	
Retatrutide Identification by RT Peptide Screening	0.99		[± 0]	
Retatrutide Identification by Spectrum Peptide Screening	998		[± 20]	
Retatrutide Purity Peptide Screening	98.8	%	[± 0.6]	

Attachments for Lyo-0324



Attachment for Lyo-0324
Filename: Retatrutide.jpg

	Method Specification		
Determination of identity, content and purity of Retatrutide			
<i>Document number</i> RETA_001_2026	<i>Superseded document</i> -	<i>Number of pages</i> 3	

1. Content Assessment

1.1. Instrumentation

Module	Name	Serial Number
System Controller	Shimadzu SCL-10ADvp	C21014112659
Degassing Unit	Shimadzu DGU-14A	NA
Pump A	Shimadzu LC-10ADvp	C20964130075
Pump B	Shimadzu LC-10ADvp	C20953770781
Autosampler	Shimadzu SIL-10ADvp	C21054109114
Column Thermostat	Shimadzu CTO-10ACvp	C21033770144
Detector	Shimadzu SPD-10ADvp	C20994233588

1.2. Chromatographic conditions

Chromatographic conditions	
Eluent A	0.1% TFA in Water (HPLC, Gradient Grade)
Eluent B	0.1% TFA in Acetonitrile (HPLC, Gradient Grade)
Flow rate	0.4 mL/min
Program	Gradient elution
Injection volume	0.5 µL
Column Temperature	60°C
Column	Phenomenex Biozen Peptide Polar C18, 150x2.1mm 3µm
Detection wavelength	280nm

Gradient Program		
Time [min]	A [%]	B [%]
3	95	5
25.5	5	95
26	5	95
28	95	5
35	end	

1

Attachment for Lyo-0324

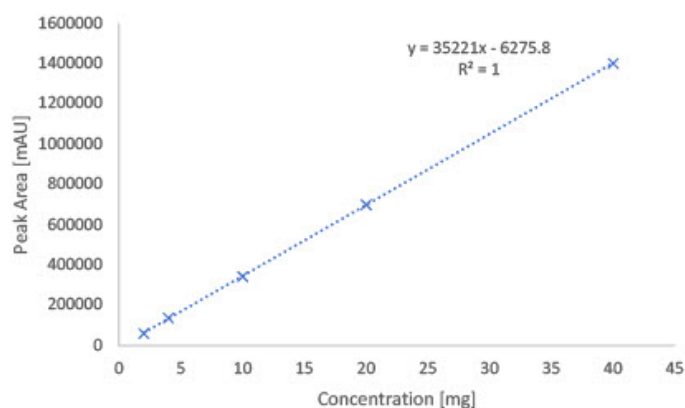
Filename: 1771244539982-f2439134-cd4d-4ac8-9f08-f0dc34239e32_1.jpg

1.3. Sample preparation

Whole amount of container was dissolved in 2mL of water (HPLC, Gradient Grade). Aliquote part of 1 mL was dispensed into HPLC vial for analysis.

1.4. Calibration curve

Calibration curve detail	
Quantitative method	External Standard
Calibration Type	Linear
Number of calibration points	5
Force through Zero	Disabled
Weighting Method	None



2. Purity assessment

2.1 Instrumentation

Module	Name	Serial Number
System Controller	Shimadzu SCL-10ADvp	C21014112659
Degassing Unit	Shimadzu DGU-14A	NA
Pump A	Shimadzu LC-10ADvp	C20964130075
Pump B	Shimadzu LC-10ADvp	C20953770781
Autosampler	Shimadzu SIL-10ADvp	C21054109114
Column Thermostat	Shimadzu CTO-10ACvp	C21033770144
Detector	Shimadzu SPD-10ADvp	C20994233588

2.2 Chromatographic conditions

Chromatographic conditions	
Eluent A	0.1% TFA in Water (HPLC, Gradient Grade)
Eluent B	0.1% TFA in Acetonitrile (HPLC, Gradient Grade)
Flow rate	0.4 mL/min
Program	Gradient elution
Injection volume	0.5 µL
Column Temperature	60°C
Column	Phenomenex Biozen Peptide Polar C18, 150x2.1mm 3µm
Detection wavelength	214nm

Gradient Program		
Time [min]	A [%]	B [%]
3	95	5
25.5	5	95
26	5	95
28	95	5
35	end	

1.5. Sample preparation

Whole amount of container was dissolved in 2mL of water (HPLC, Gradient Grade). Aliquote part of 1 mL was dispensed into HPLC vial for analysis.

1.6. Purity assesment

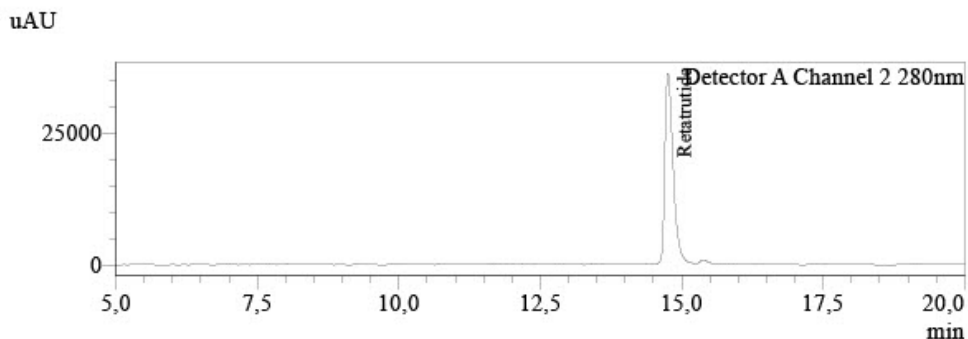
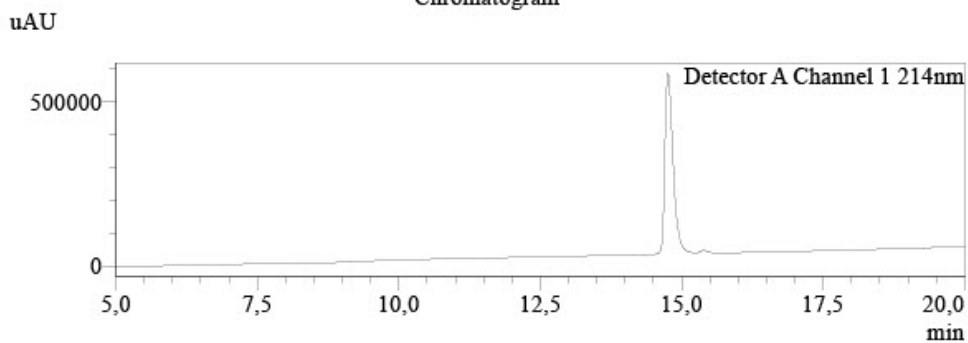
Purity of compound assesed by area normalization method, comparing area of each peak to sum of area of all peaks detected at wavelenght of 214 nm.

Analysis Report



Sample Information
Injection Volume : 0,5
Data File : LYO-0324_007.lcd
Method File : Peptide screening_202602_GLPs_A.lcm
Date Acquired : 24.02.2026 18:25:21

Chromatogram



Peak Table

Detector A Channel 1 214nm

Peak#	Name	Ret. Time	Conc.	Unit	Area%
1		14,760	0,000		98,839
2		15,383	0,000		1,161
Total					100,000

Peak Table

Detector A Channel 2 280nm

Peak#	Name	Ret. Time	Conc.	Unit
1	Retatrutide	14,759	10,661	mg/L
Total				

Attachment for Lyo-0324
Filename: LYO-0324.jpg

Responsibles



Mr. Ján Galbavý
Founder/Manager

Analysis results relate only to the samples tested.

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