MZ Biolabs
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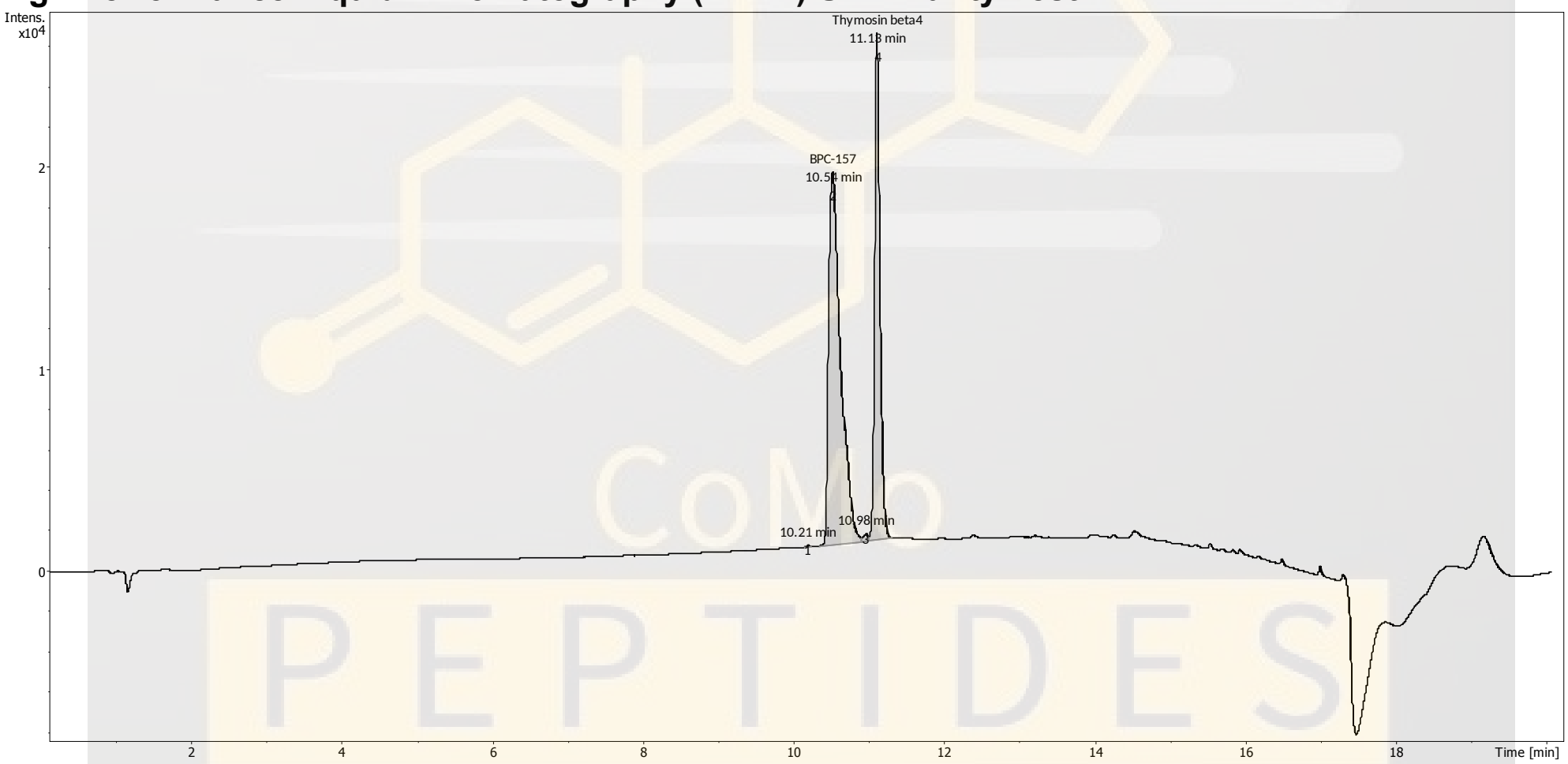
Certificate of Analysis

BPC-157 5 mg, Thymosin beta4 5 mg

Compound	: **BPC-157, Thymosin beta4**	**Client :**	**CoMo Peptides**
Lot number	: **2025-04-09**		
Analysis date	: **2025-05-01**		
Purity %	: **99.49%**		
BPC-157	: **5.55 mg**		
Thymosin beta4	: **6.25 mg**		
Method	: **HPLC-UV-MS**		

High Performance Liquid Chromatography (HPLC) UV – Purity Test



BPC-157_TB-500_2025-04-09_1-C,8_1_11811.d: UV Chromatogram, 209.9-290.1 nm

PEAK LIST — Number of detected peaks: 4

	Time (min)	Area	%Area	
1	10.21	2.47E+02	0.07	
2	**10.54**	**2.05E+05**	**61.91**	**BPC-157**
3	10.98	1.45E+03	0.44	
4	**11.13**	**1.24E+05**	**37.58**	**Thymosin beta4**

Combined Purity 99.49

Quantification by HPLC-UV

BPC-157 measured quantity : 5.55 mg/vial

Thymosin beta4 measured quantity : 6.25 mg/vial

Note: Injectable peptides may contain salts and sugars to aid in solubility and act as pH buffers. These are not normally detected using UV and are not considered impurities.

Analysis Performed by
Ken Pendarvis, ChE
Analytical Chemist
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2025-05-02

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Mass Spectrometry (MS) – Identity Test

Identity confirmed using HPLC-MS
Molecular weight calculated using monoisotopic m/z values from mass spectrum

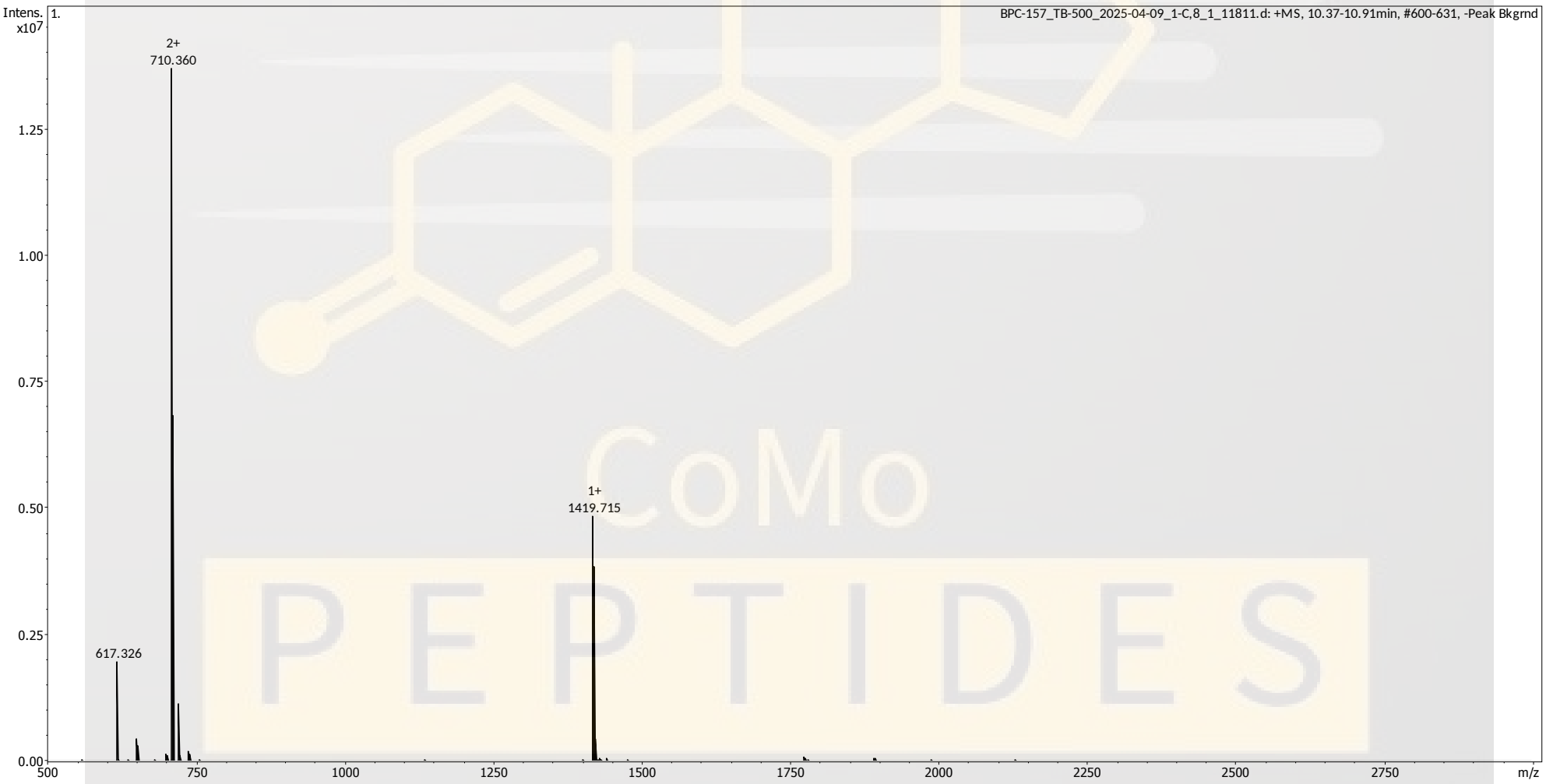
BPC-157 PubChem CID: 9941957
https://pubchem.ncbi.nlm.nih.gov/compound/9941957

Expected monoisotopic mass :	1418.70	Da
Measured monoisotopic mass :	1418.72	Da

Molecular weight confirmed

Note : Monoisotopic m/z values are not easily seen in full spectrum view for larger molecules and peptides. The dominant isotopic peak (base peak) shown in the spectrum below can be used to approximate the average molecular weight frequently reported by vendors and databases as a secondary means of confirmation.

Recorded MS spectrum



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BPC-157 5 mg, Thymosin beta4 5 mg

Mass Spectrometry (MS) – Identity Test

Identity confirmed using HPLC-MS
Molecular weight calculated using monoisotopic m/z values from mass spectrum

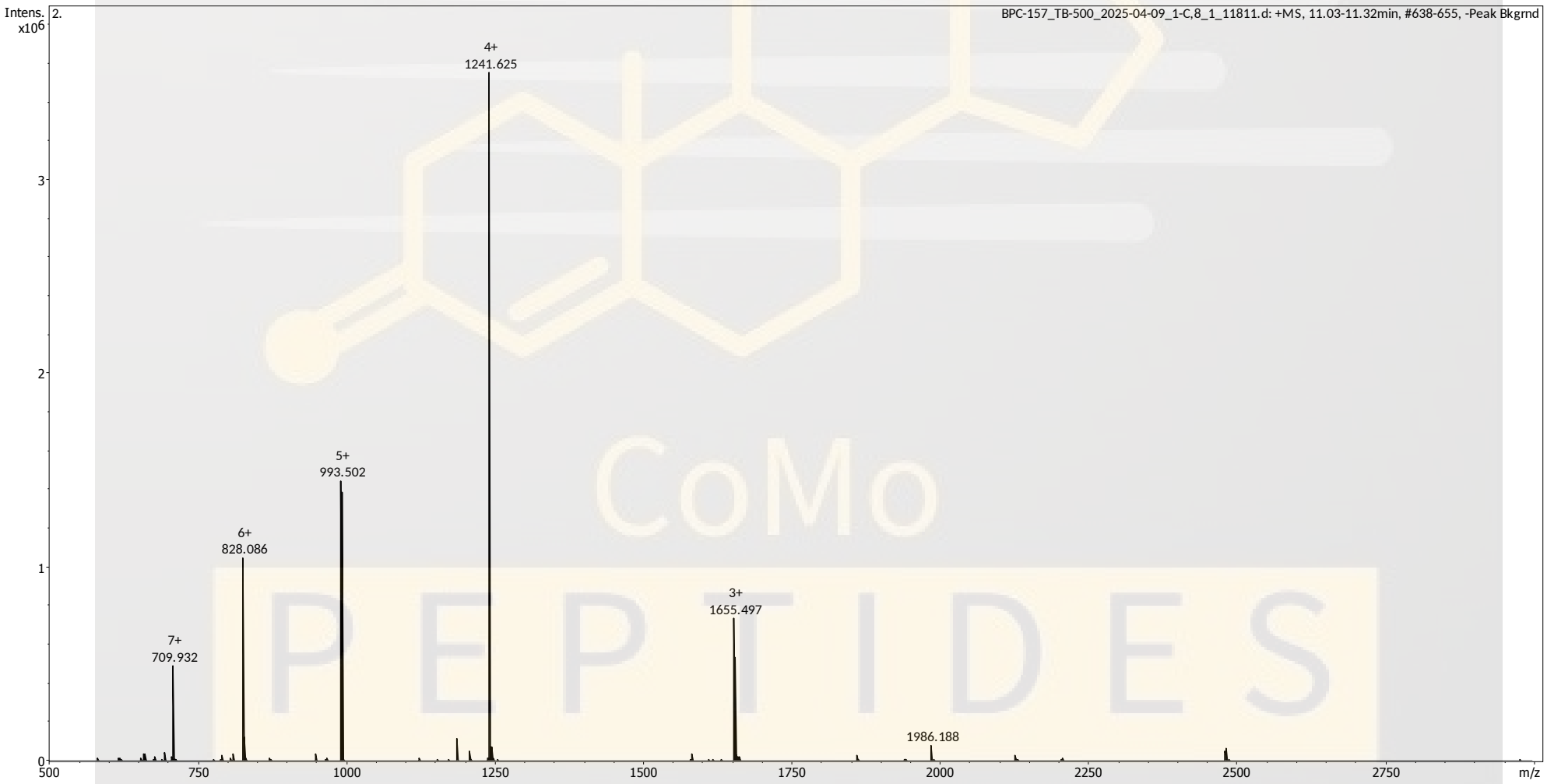
Thymosin beta4 PubChem CID: 16132341
https://pubchem.ncbi.nlm.nih.gov/compound/16132341

Expected monoisotopic mass :	4960.48	Da
Measured monoisotopic mass :	4960.49	Da

Molecular weight confirmed

Note : Monoisotopic m/z values are not easily seen in full spectrum view for larger molecules and peptides. The dominant isotopic peak (base peak) shown in the spectrum below can be used to approximate the average molecular weight frequently reported by vendors and databases as a secondary means of confirmation.

Recorded MS spectrum



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2025-05-02