MZ Biolabs
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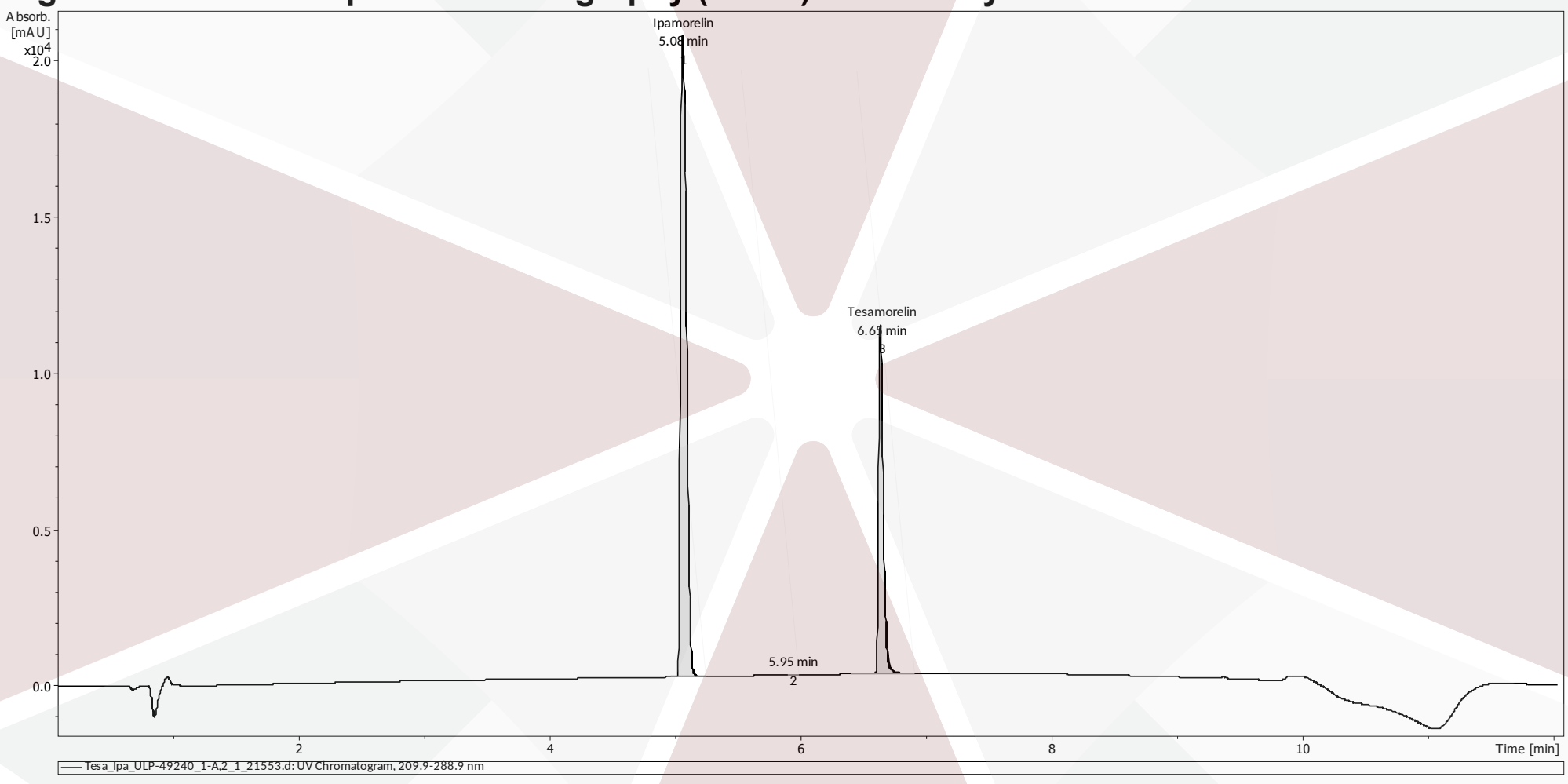
PROOF OF AUTHENTICITY

Certificate of Analysis

Ipamorelin, Tesamorelin

Compound	: **Ipamorelin, Tesamorelin**	**Client :**	**UMBRELLA.us**
Lot number	: **ULP- 49240**		**3280 E Hemisphere Loop**
Analysis date	: **2026-04-10**		**Tucson, Arizona 85706**
Purity %	: **99.97%**		
Ipamorelin	: **5.95 mg**		
Tesamorelin	: **19.87 mg**		
Method	: **HPLC-UV-MS**		

High Performance Liquid Chromatography (HPLC) UV – Purity Test



PEAK LIST — Number of detected peaks: 3

	Time (min)	Area	%Area	
1	**5.08**	**6.99E+04**	**70.58**	**Ipamorelin**
2	5.95	2.97E+01	0.03	
3	**6.65**	**2.91E+04**	**29.39**	**Tesamorelin**

Overall Purity : 99.97

Quantification by HPLC-UV

Ipamorelin measured quantity : 5.95 mg/vial

Tesamorelin measured quantity : 19.87 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
MZ Biolabs
contact@mzbiolabs.com

2026-04-27

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Ipamorelin, Tesamorelin

Mass Spectrometry (MS) – Identity Test

Identity confirmed using HPLC-MS

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.

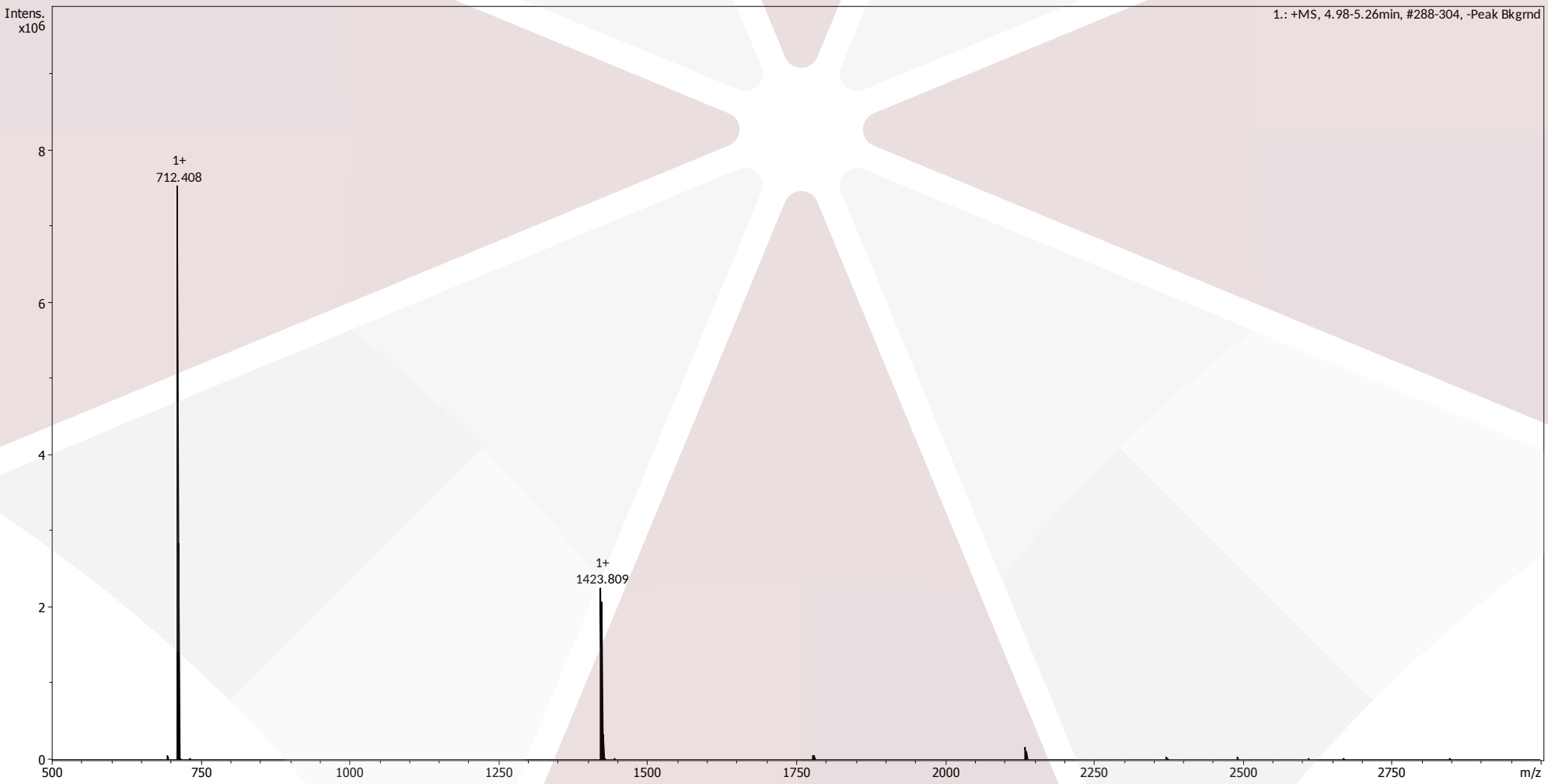
Ipamorelin

PubChem CID: 9831659
https://pubchem.ncbi.nlm.nih.gov/compound/9831659

Expected monoisotopic mass :	711.38	Da
Measured monoisotopic mass :	711.41	Da

Molecular weight confirmed

Ipamorelin recorded MS Spectrum



Analysis Performed by
Ken Pendarvis, ChE
Analytical Chemist
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2026-04-27

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Ipamorelin, Tesamorelin

Mass Spectrometry (MS) – Identity Test

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

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.

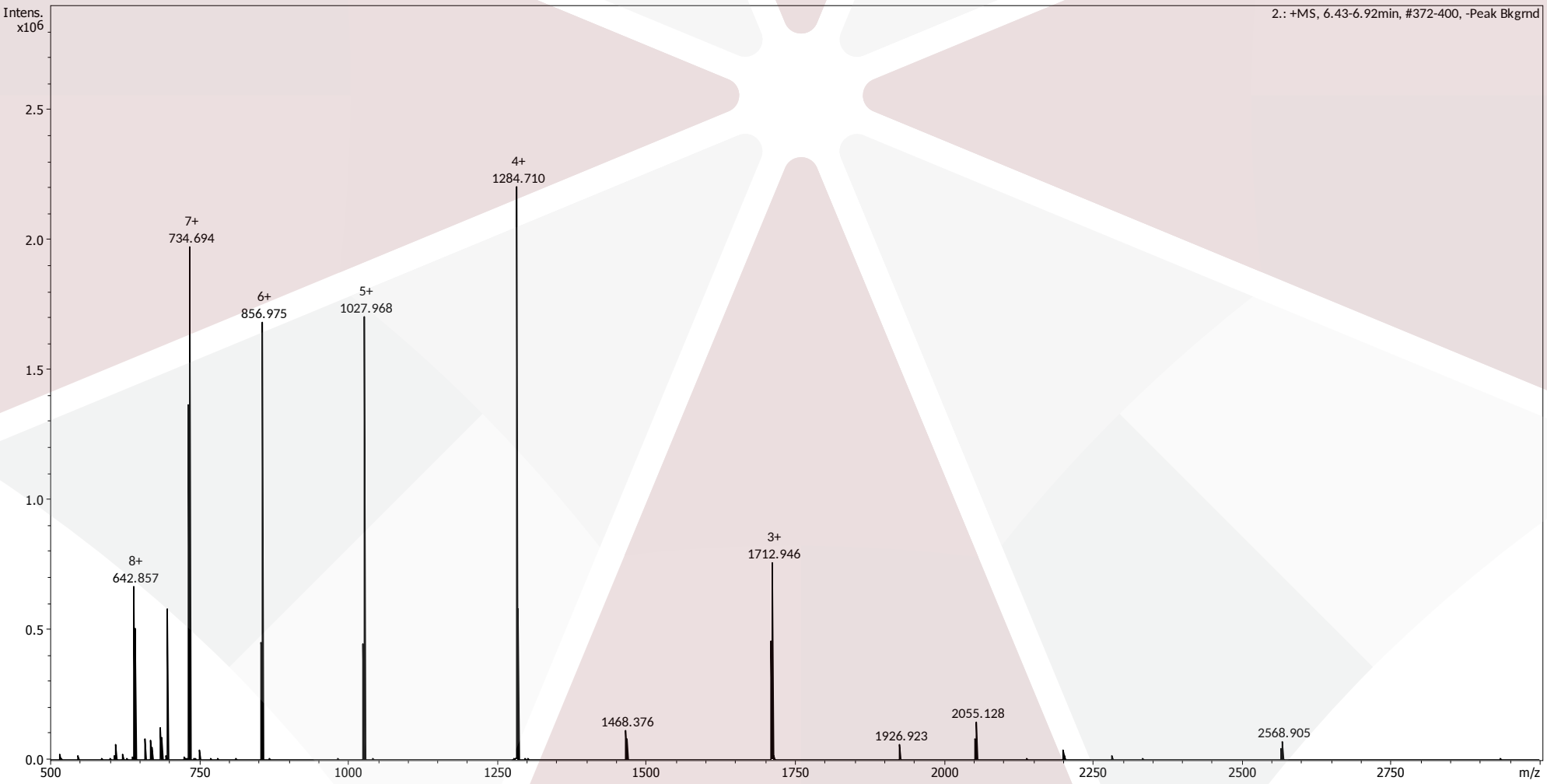
Tesamorelin

PubChem CID: 16137828
https://pubchem.ncbi.nlm.nih.gov/compound/16137828

Expected monoisotopic mass :	5132.72	Da
Measured monoisotopic mass :	5132.84	Da

Molecular weight confirmed

Tesamorelin recorded MS spectrum



Analysis Performed by
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2026-04-27