

Certificate of Analysis

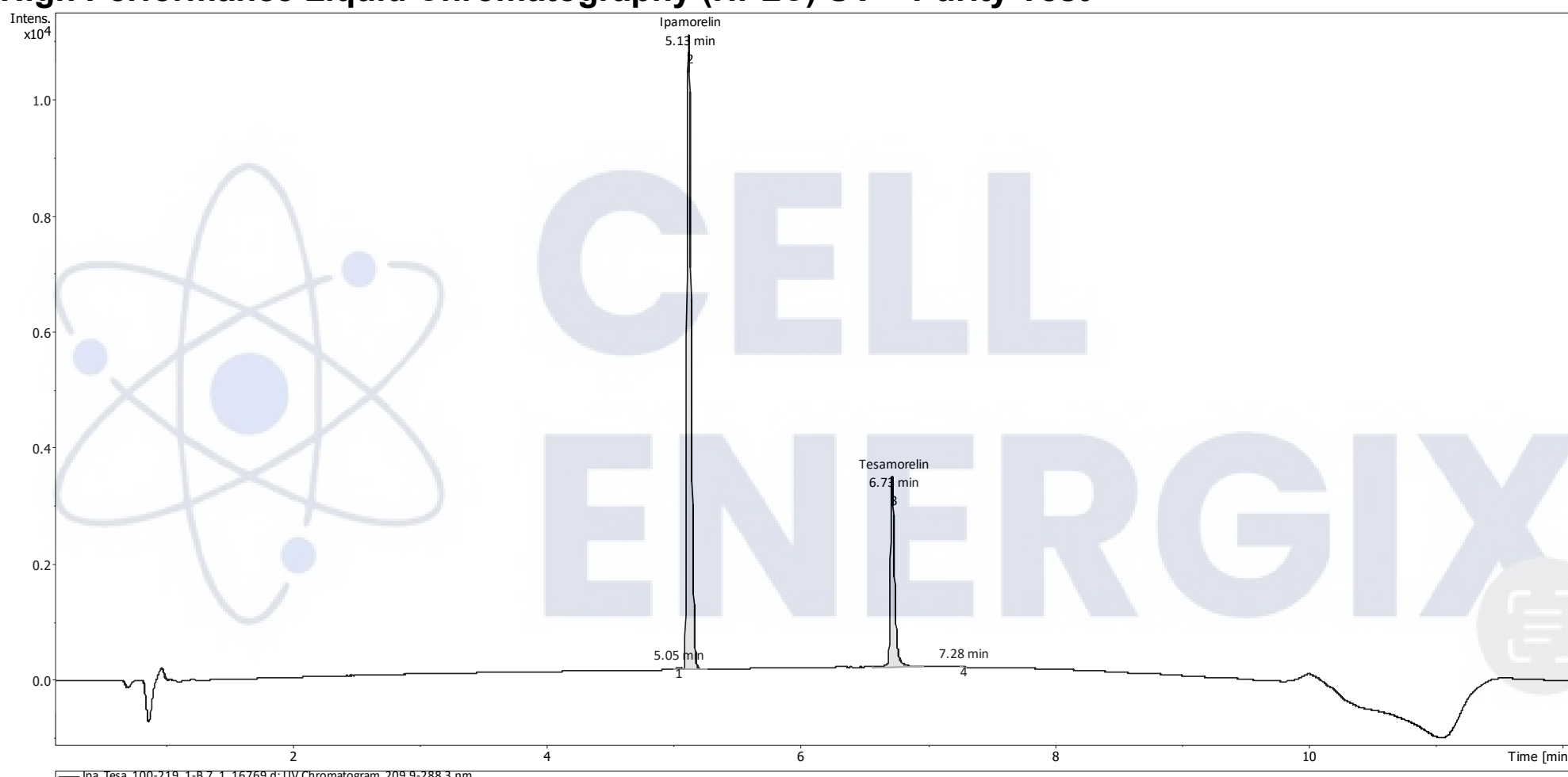
Ipamorelin, Tesamorelin

Compound : Ipamorelin, Tesamorelin **Client** : Cell Energix
Lot number : 100-219
Analysis date : 2025-08-25
Purity % : 99.73%
Method : HPLC-UV-MS

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

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

High Performance Liquid Chromatography (HPLC) UV – Purity Test



PEAK LIST		Number of detected peaks: 4		
	Time (min)	Area	%Area	
1	5.05	7.28E+01	0.21	
2	5.13	2.62E+04	76.85	Ipamorelin
3	6.73	7.81E+03	22.88	Tesamorelin
4	7.28	1.85E+01	0.05	

Overall purity : 99.73

Analysis Performed by
Ken Pendarvis, ChE
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2025-09-02

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.

Ipamorelin, Tesamorelin

Mass Spectrometry (MS) – Identity Test

Identity confirmed using HPLC-MS

Molecular weight calculated using monoisotopic m/z values from mass spectrum

Ipamorelin

PubChem CID: 9831659

<https://pubchem.ncbi.nlm.nih.gov/compound/9831659>

Expected monoisotopic mass : 711.38 Da

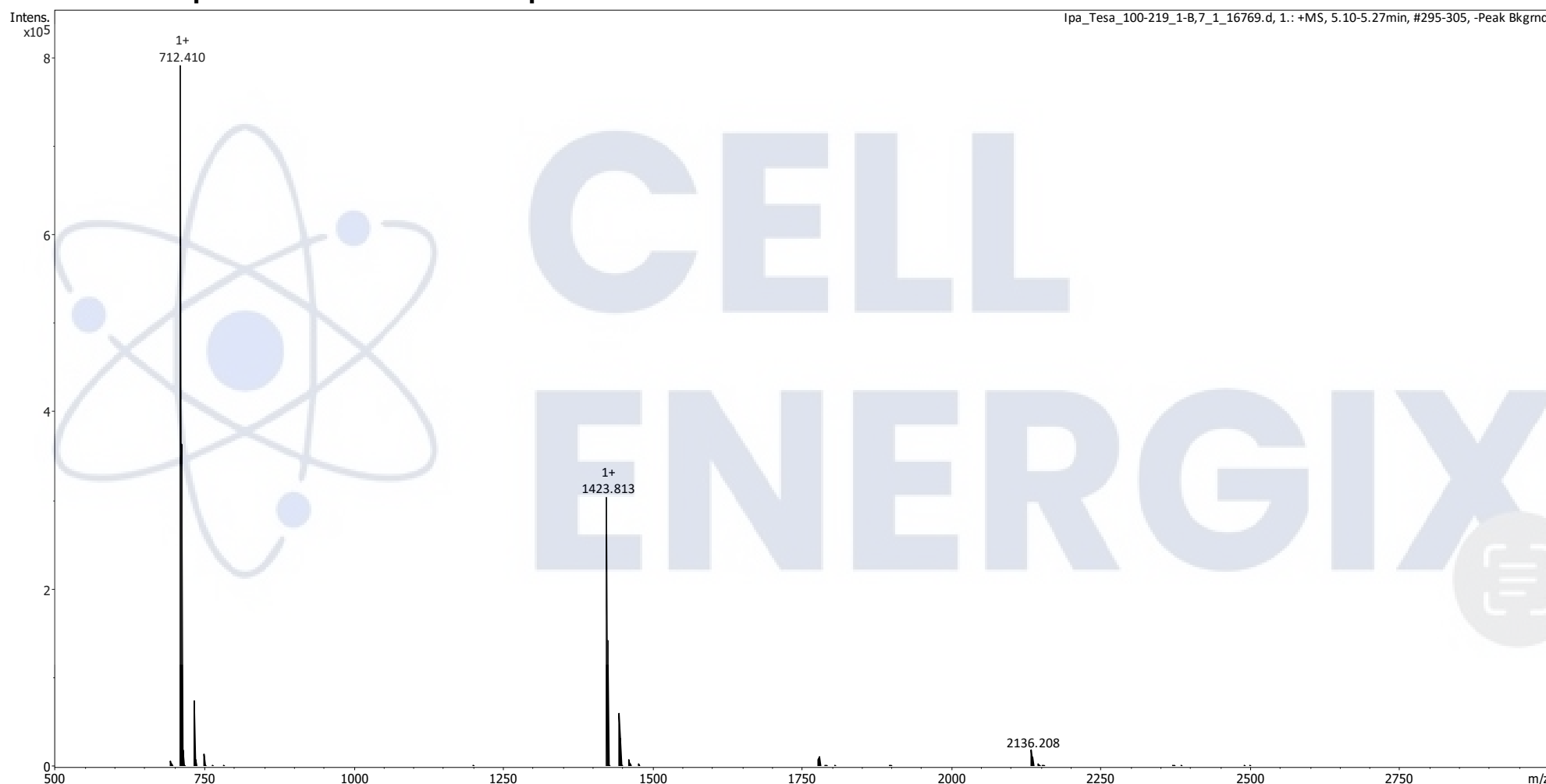
Measured monoisotopic mass : 711.41 Da

Molecular weight confirmed

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 recorded MS spectrum



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Ipamorelin, Tesamorelin

Mass Spectrometry (MS) – Identity Test

Tesamorelin

PubChem CID: 16137828

<https://pubchem.ncbi.nlm.nih.gov/compound/16137828>

Expected monoisotopic mass : 5132.72 Da

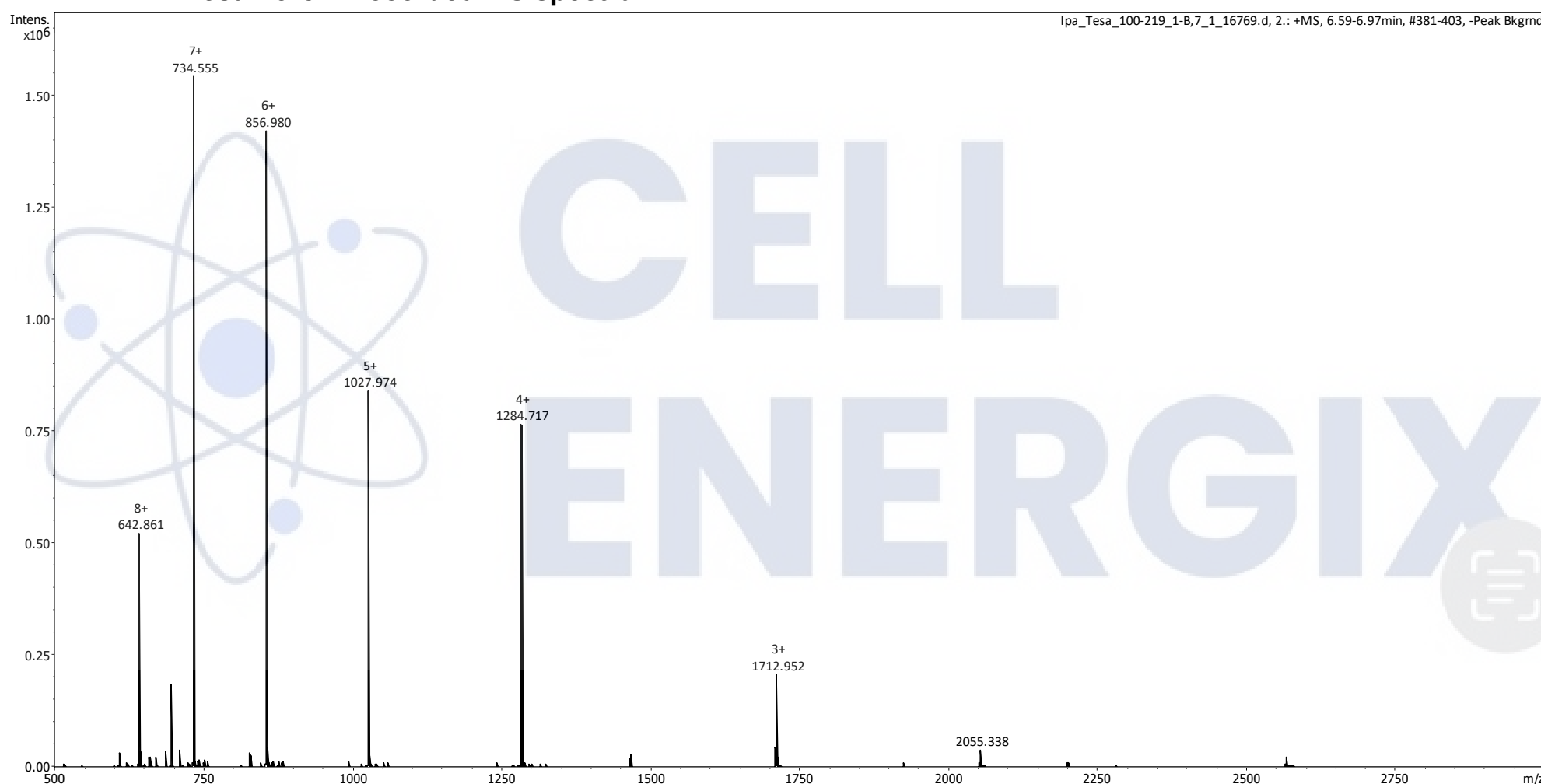
Measured monoisotopic mass : 5132.72 Da

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.

Tesamorelin recorded MS spectrum



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