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PROOF OF AUTHENTICITY

# Certificate of Analysis

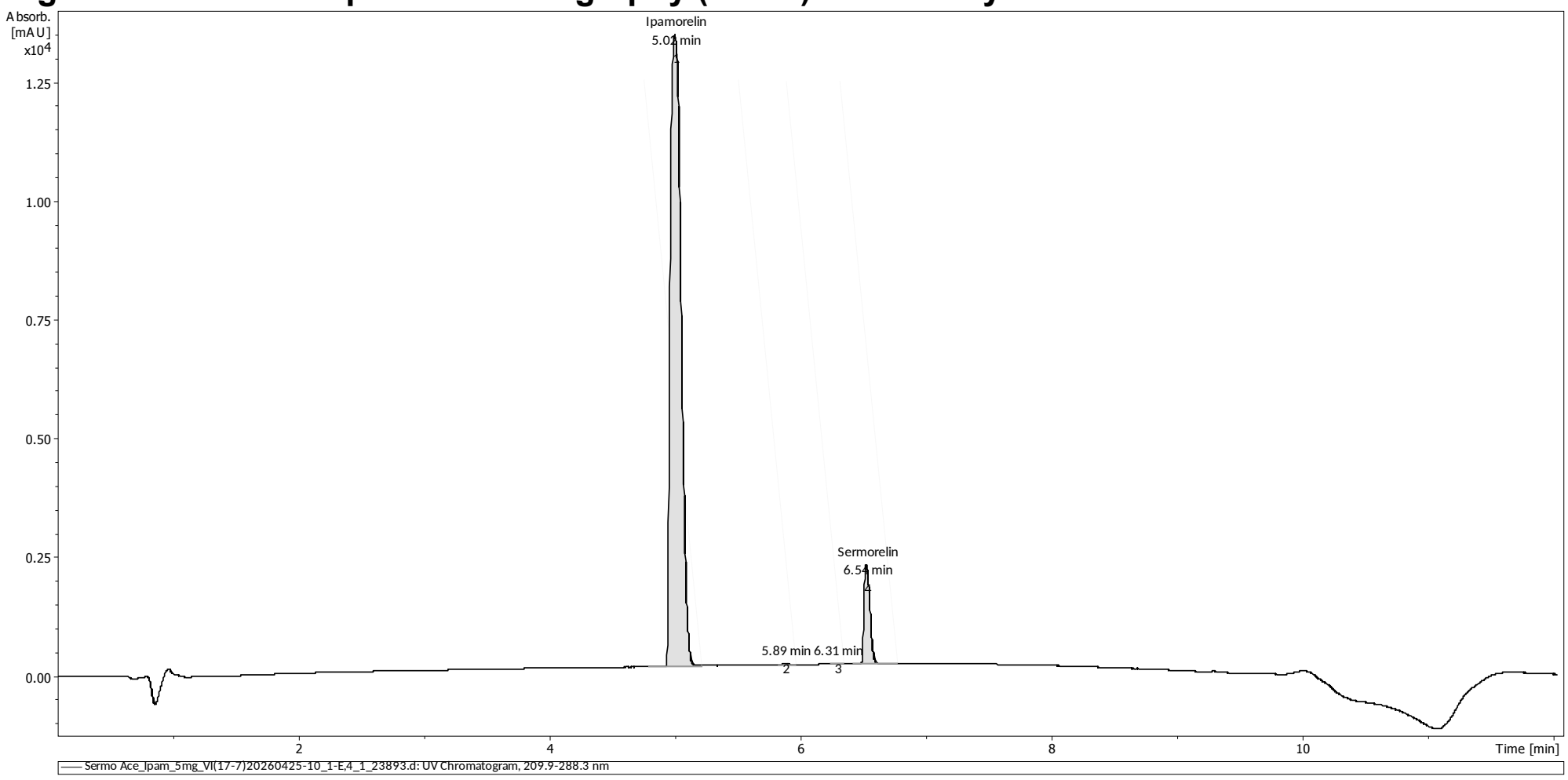
## Ipamorelin, Sermorelin

| | | | | |
|---|---|---|---|---|
| **Compound** | : **Ipamorelin, Sermorelin** | **Client :** | **Biotech Peptides** |
| **Lot number** | : **3141075** | | |
| **Analysis date** | : **2026-07-15** | | |
| **Purity %** | : **99.92%** | | |
| **Method** | : **HPLC-UV-MS** | | |

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

Sermorelin PubChem CID: 16132413
https://pubchem.ncbi.nlm.nih.gov/compound/16132413

### High Performance Liquid Chromatography (HPLC) UV – Purity Test




PEAK LIST — Number of detected peaks: 4

| | Time (min) | Area | %Area | |
|---|---|---|---|---|
| 1 | **5.02** | **8.02E+04** | **91.98** | **Ipamorelin** |
| 2 | 5.89 | 4.99E+01 | 0.06 | |
| 3 | 6.31 | 2.35E+01 | 0.03 | |
| 4 | **6.54** | **6.92E+03** | **7.94** | **Sermorelin** |

**Overall purity : 99.92**

Analysis Performed by
Ken Pendarvis, ChE
Analytical Chemist
MZ Biolabs
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2026-07-26

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.

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# Ipamorelin, Sermorelin

## Mass Spectrometry (MS) – Identity Test

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

**Ipamorelin**

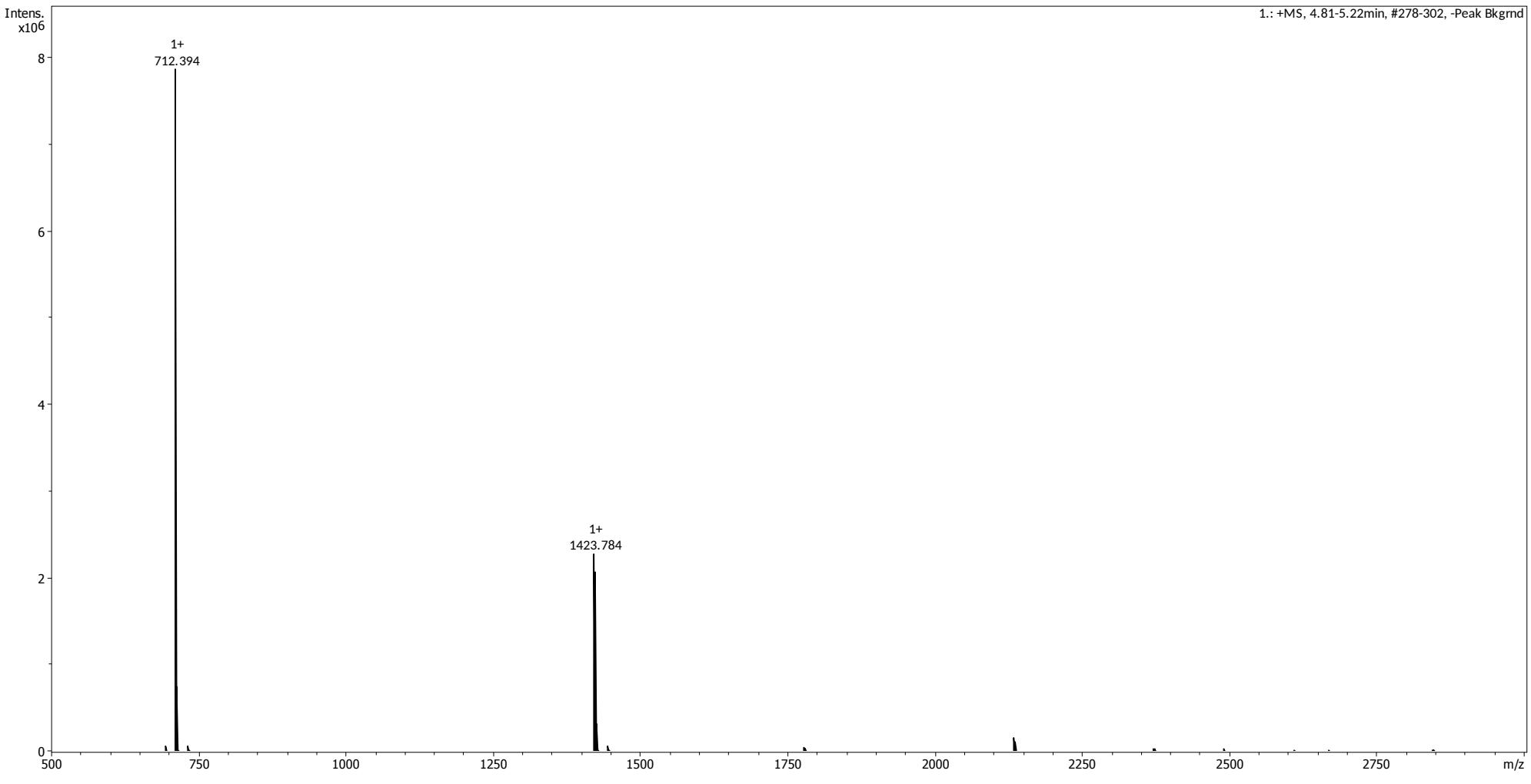
PubChem CID: 9831659
https://pubchem.ncbi.nlm.nih.gov/compound/9831659

| | | |
|---|---|---|
| Expected monoisotopic mass : | 711.38 | Da |
| Measured monoisotopic mass : | 711.39 | 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, Sermorelin

## Mass Spectrometry (MS) – Identity Test

**Sermorelin**

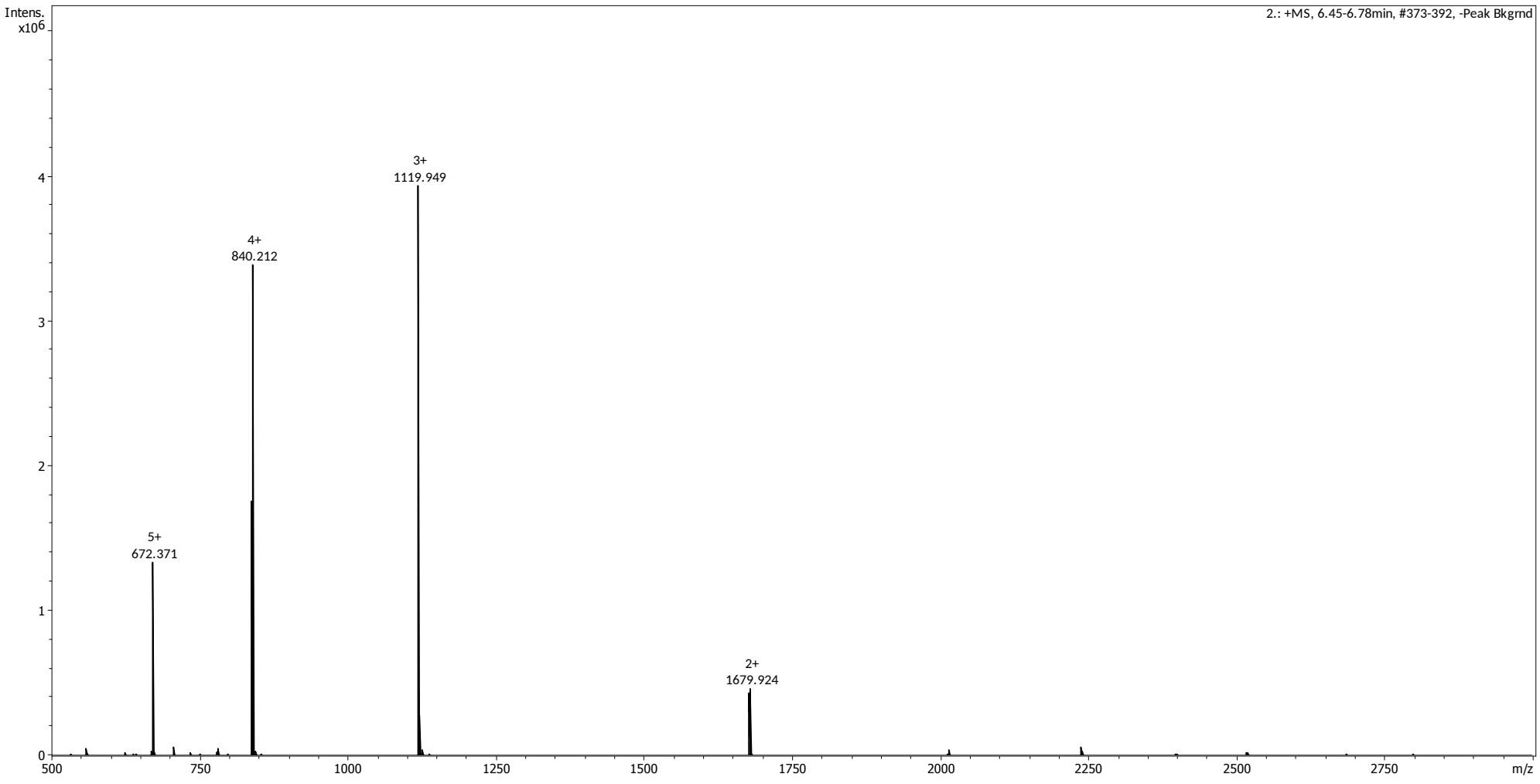
PubChem CID: 16132413
https://pubchem.ncbi.nlm.nih.gov/compound/161324

| | | |
|---|---|---|
| Expected monoisotopic mass : | 3355.82 | Da |
| Measured monoisotopic mass : | 3355.85 | 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.

### Sermorelin recorded MS spectrum

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