



MZ Biolabs
2102 N Country Club Rd
Tucson, AZ 85716
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Certificate of Analysis

Retatrutide 5mg

Compound : Retatrutide	Client : West Wellness
Lot number : 2025-04-24	Method : HPLC-UV-MS
Analysis date : 2025-05-12	CAS number : 2381089-83-2
Purity % : 99.81%	westwellnessatx.com
Quantity : 5.27 mg	

High Performance Liquid Chromatography (HPLC) UV – Purity and Quantity Test

Intens. x10⁴

2.5

2.0

1.5

1.0

0.5

Retatrutide

6.93 min

3

4.22 min

0.0

4

4.28 min

2

7.21 min

4

PEAK LIST Number of detected peaks: 4

Time (min) Area %Area

1 4.22 7.39E+01 0.11

2 4.28 3.69E+01 0.05

3 **6.93 6.89E+04 99.81 Retatrutide**

4 7.21 1.99E+01 0.03 Analysis Performed by Ken Pendarvis, ChE

Analytical Chemist

MZ Biolabs

contact@mzbiolabs.com

Quantification by HPLC-UV

Measured quantity : 5.27 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. 2025-05-19



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Retatrutide 5mg

CAS number : 2381089-83-2

Mass Spectrometry (MS) – Identity Test

Identity confirmed using HPLC-MS

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

Expected monoisotopic mass : 4728.47 Da

Measured monoisotopic mass : 4728.60 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

Intens.

1. Reta_5mg_2025-04-24_1-A,8_1_12036.d: +MS, 6.85-7.05min, #396-408, -Peak Bkgrnd $\times 10^6$

4+
1183.650

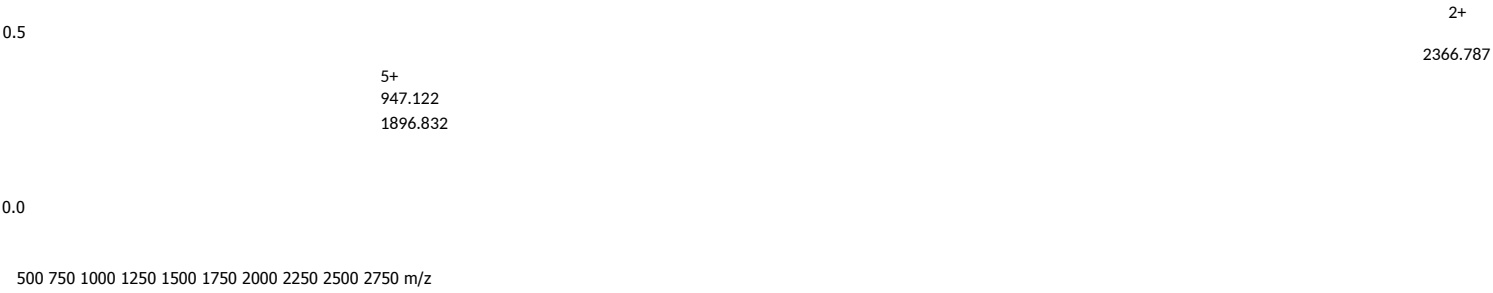
2.5

3+
1577.864

2.0

1.5

1.0



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2025-05-19