MZ Biolabs
2102 N Country Club Rd
Tucson, AZ 85716
contact@mzbiolabs.com
www.mzbiolabs.com

Certificate of Analysis

Selank 5mg, Semax 5mg

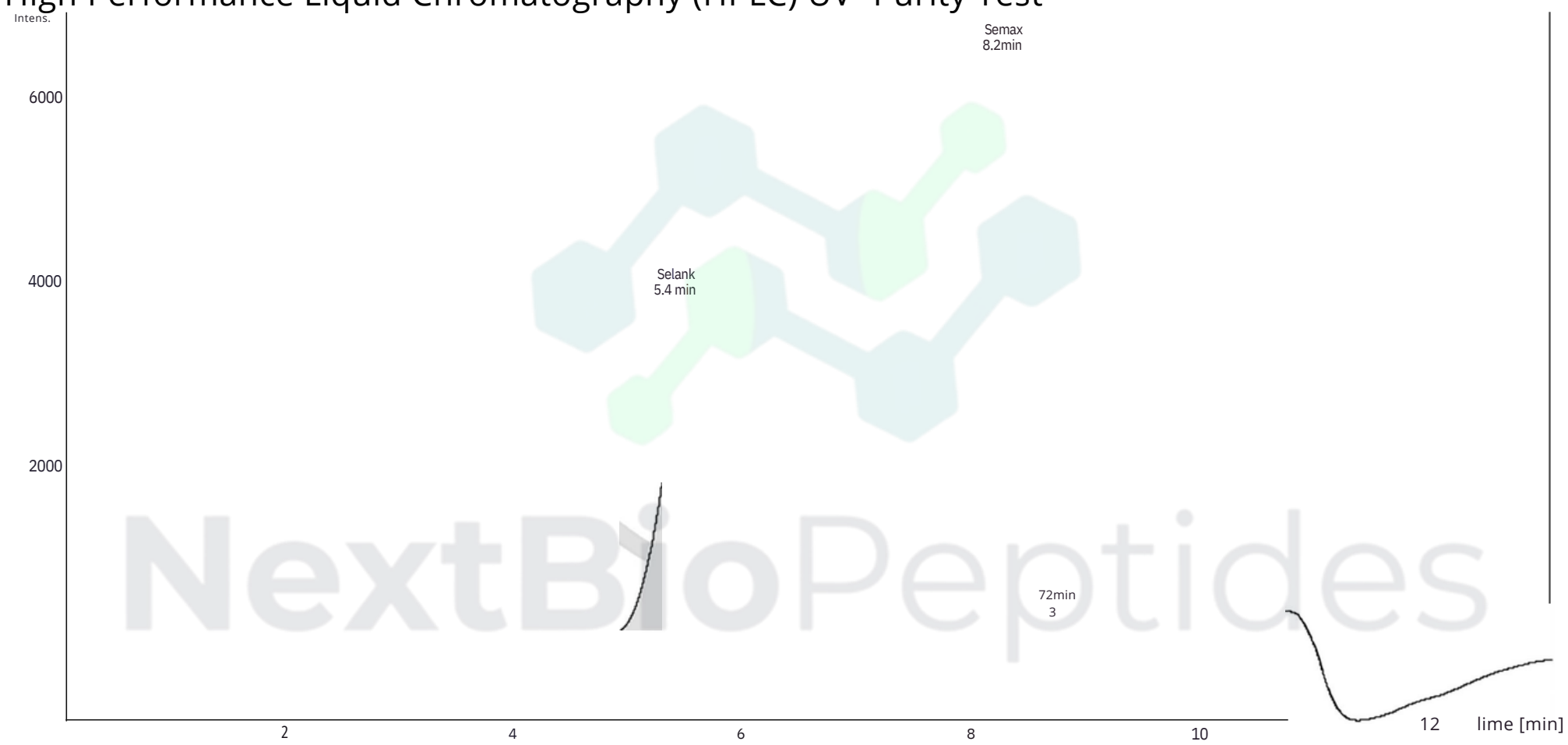
Compound : Selank, Semax
Lot number : JU-727
Analysis date : 2024-12-31
Purity% : 99.99%
Method : HPLC-UV-MS

Client: NextBioPeptides
nextbiopeptides.com

Selank PubChem CID: 11765600
https://pubchem.ncbi.nlm.nih.gov/compound/11765600

Semax PubChem CID: 122178
https://pubchem.ncbi.nlm.nih.gov/compound/122178

High Performance Liquid Chromatography (HPLC) UV -Purity Test



Selank 5mg_Semax 5mg_JU-727 2-0,5 1 1667.d: UV Chromatogram, 210.5-286.2 nm

PEAK LIST Number of detected peaks: 3

	Time (min)	Area	%Area	
1	5.41	5.30E+04	38.89	Selank
2	8.28	8.33E+04	61.10	Semax
3	8.72	1.29E+01	0.01	

Overall Purity : 99.99

Analysis Performed by
Ken Pendarvis, ChE
Analytical Chemist
MZ Biolabs
contact@mzbiolabs.com

IC

2025-01-08

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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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.

Selank

Expected monoisotopic mass :	751.43	Da
Measured monoisotopic mass :	751.41	Da

Molecularweight confirmed

Selank recorded MS spectrum



NextBioPeptides

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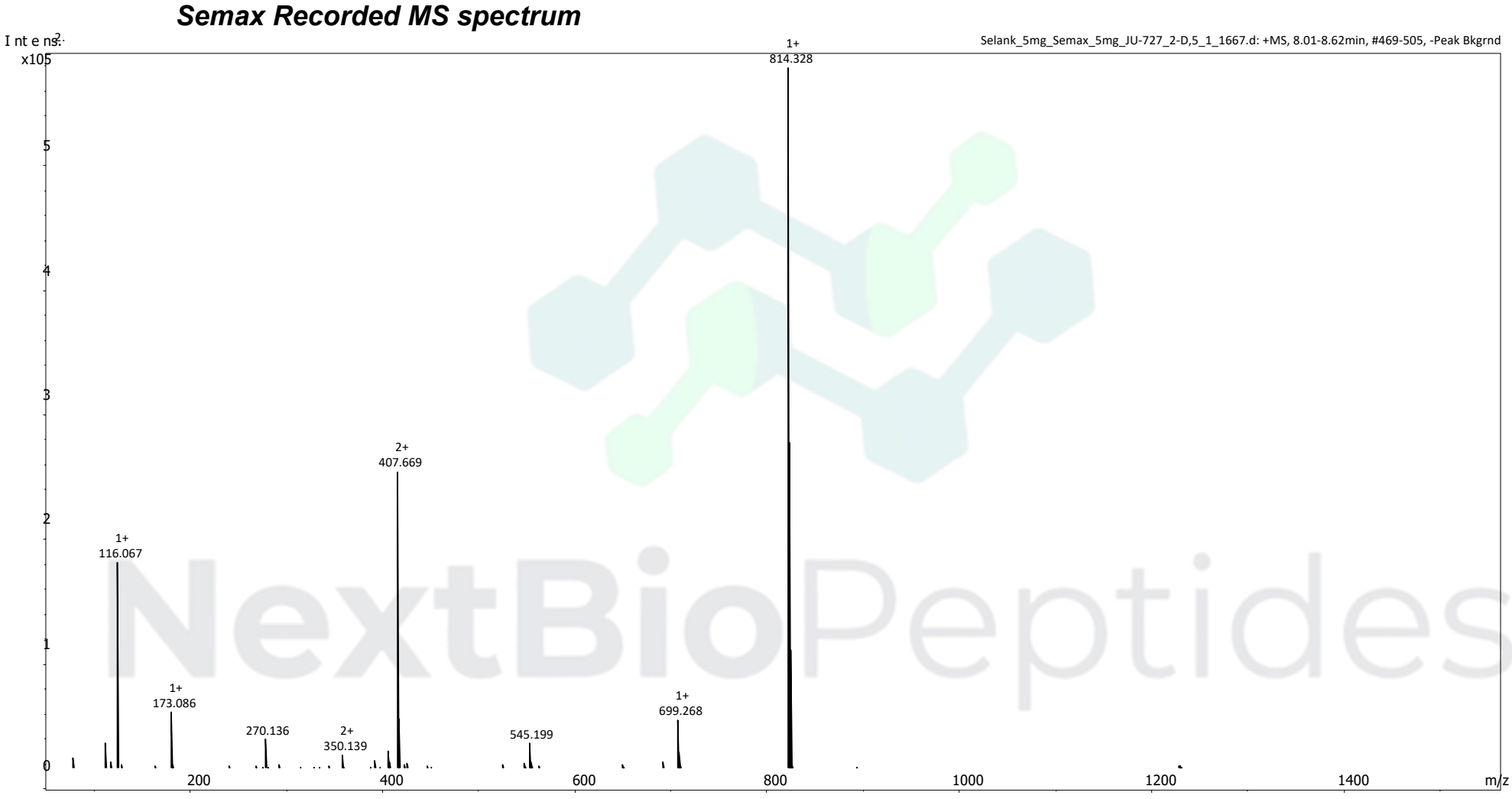
Mass Spectrometry (MS) – Identity Test

Semax

Expected monoisotopic mass :	813.35	Da
Measured monoisotopic mass :	813.33	Da

Molecularweight confirmed

Semax Recorded MS spectrum



NextBioPeptides

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2025-01-08