MZ Biolabs
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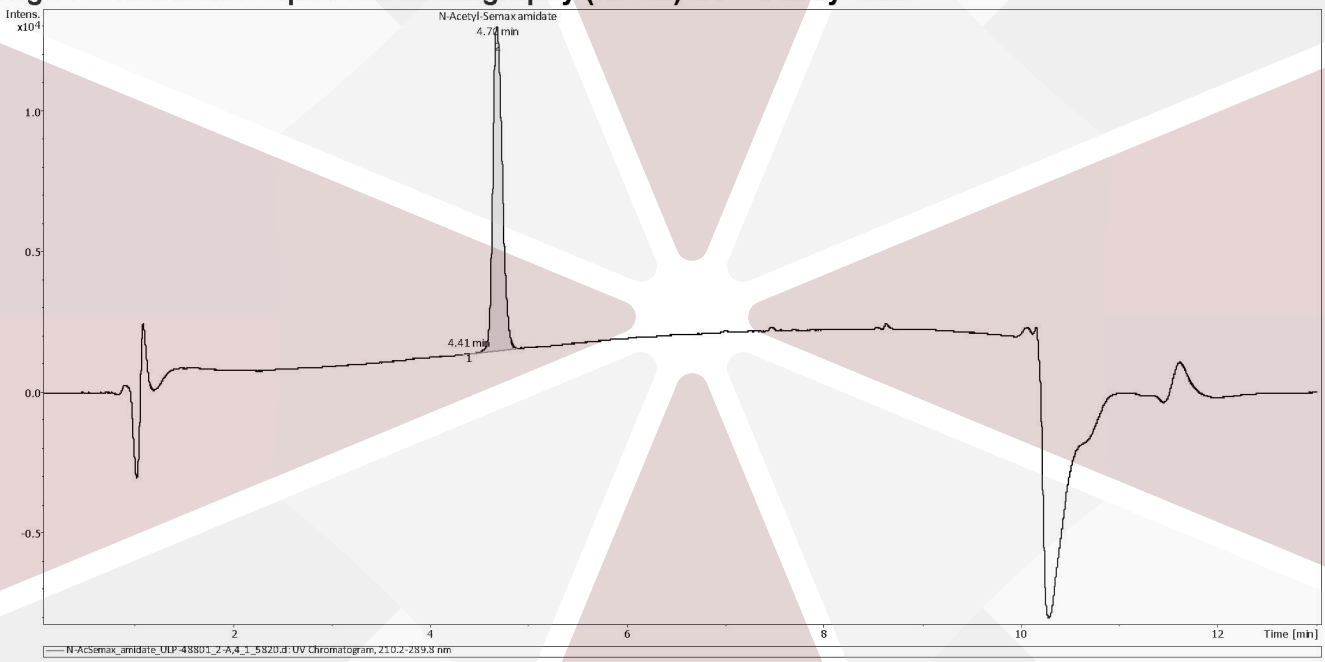
Certificate of Analysis

N-Acetyl Semax Amidate

Acetyl-L-Methionyl-L-alpha-glutamylhistidyl-L-phenylalanyl-L-prolylglycyl-L-proline-NH2

Compounds	: N-Acetyl Semax Amidate	Client :	UMBRELLA.us
Lot number	: ULP-48801		3280 E Hemisphere Loop
Analysis date	: 2024-09-17		Tucson, Arizona 85706
Purity %	: 99.87%		
Method	: HPLC-UV-MS		

High Performance Liquid Chromatography (HPLC) UV – Purity Test



PEAK LIST — Number of detected peaks: 2

	Time (min)	Area	%Area	
1	4.41	9.98E+01	0.13	
2	4.70	7.70E+04	99.87	N-Acetyl Semax Amidate

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
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2024-09-18

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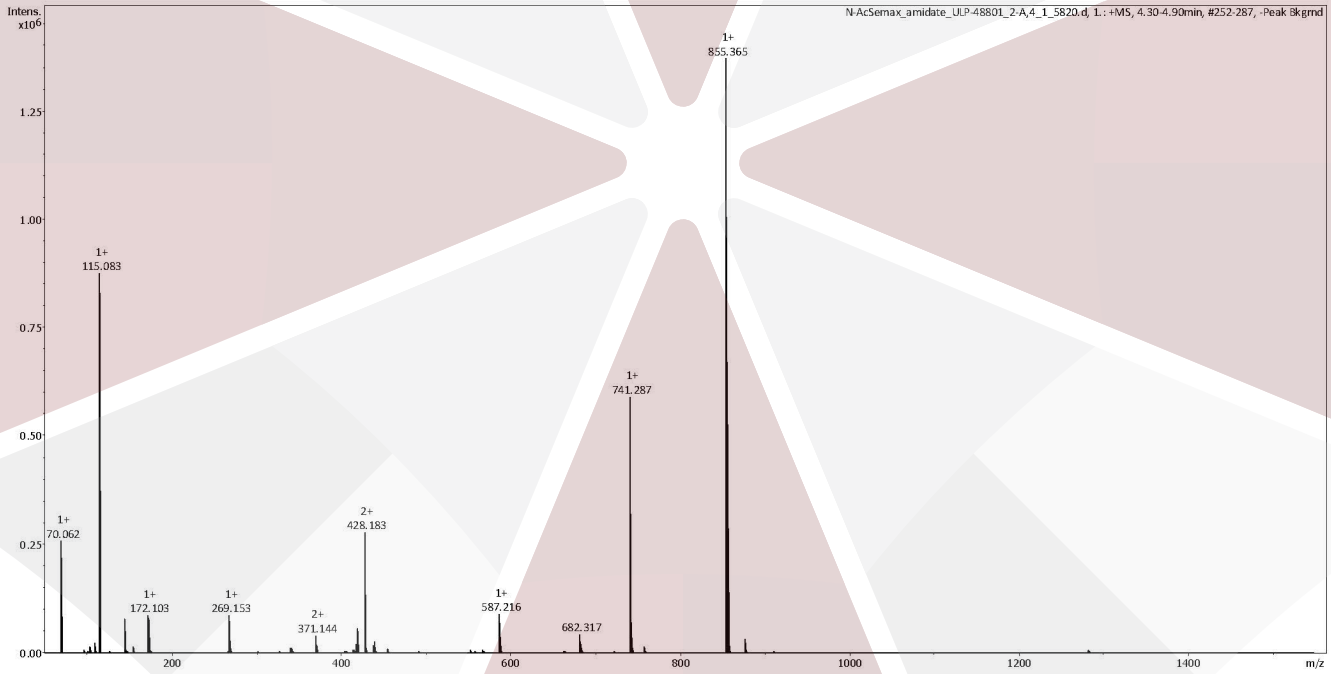
Mass Spectrometry (MS) – Identity Test

Identity confirmed using HPLC-MS

N-Acetyl Semax Amidate
Molecular weight calculated using monoisotopic m/z values from mass spectrum
Expected monoisotopic mass : 854.35 Da
Measured monoisotopic mass : 854.37 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 spectra



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