

# Certificate of Analysis

## YK-11

17,20-((1-methoxyethylidene)bis(oxy))-3-oxo-19-norpregna-4,20-diene-21-carboxylic acid methyl ester

Compound : YK-11  
 Lot number : 2024-06-05  
 Analysis Date : 2024-06-24  
 Purity % : 99.28%  
 Method : HPLC-UV-MS

Client : [www.statpeptides.com](http://www.statpeptides.com)  
[info@statpeptides.com](mailto:info@statpeptides.com)

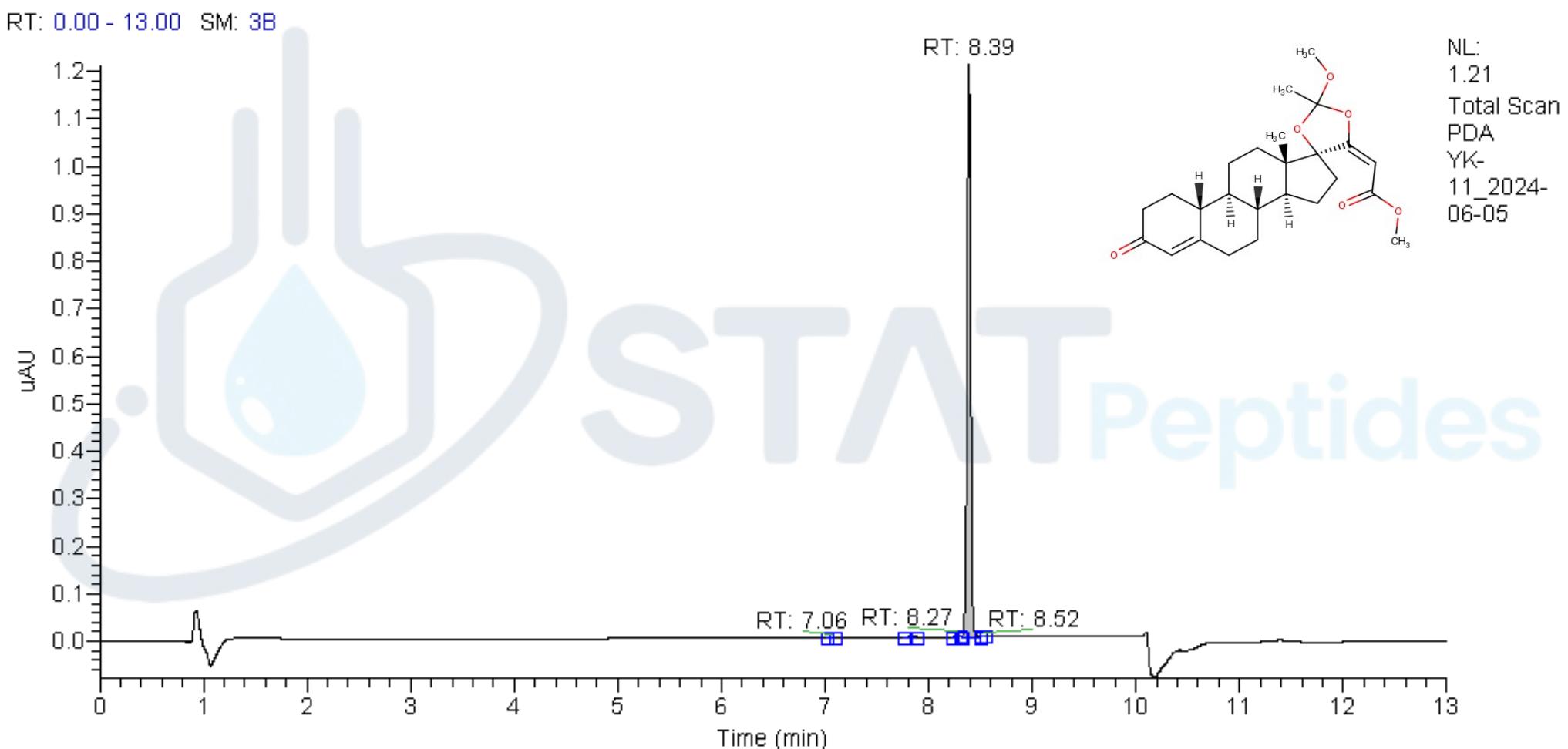
PubChem CID: 119058028

<https://pubchem.ncbi.nlm.nih.gov/compound/119058028>

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

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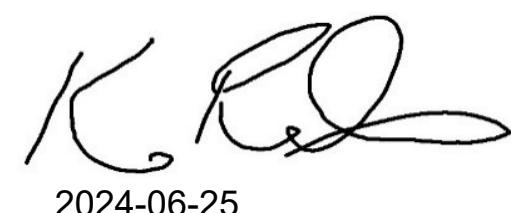
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PEAK LIST		Number of detected peaks: 5	
	Time (min)	Area	%Area
1	7.06	2.00E-03	0.07
2	7.85	9.00E-03	0.30
3	8.27	8.00E-03	0.28
4	<b>8.39</b>	<b>2.86E+00</b>	<b>99.28</b>
5	8.52	2.00E-03	0.07

YK-11

Analysis Performed by  
 Ken Pendarvis, ChE  
 Analytical Chemist  
 MZ Biolabs  
[contact@mzbiolabs.com](mailto:contact@mzbiolabs.com)



2024-06-25

# YK-11

PubChem CID: 119058028  
<https://pubchem.ncbi.nlm.nih.gov/compound/119058028>

## Mass Spectrometry (MS) – Identity Test

### Identity confirmed using HPLC-MS

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

Expected monoisotopic mass : 430.24 Da

Measured monoisotopic mass : 430.21 Da

### Molecular weight confirmed

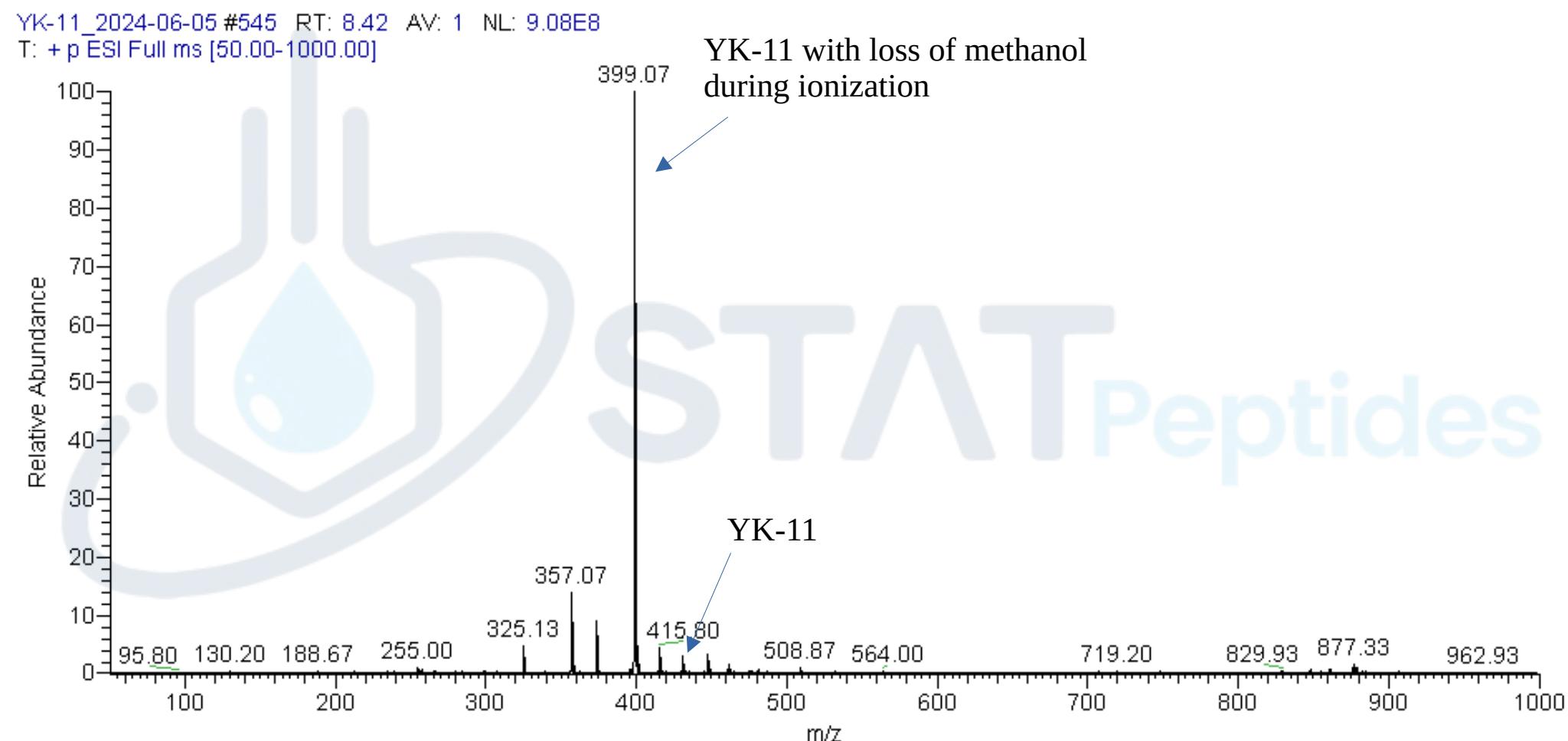
Note : Monoisotopic m/z values are not easily seen in full spectrum view for larger molecules and peptides.

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

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Analysis Performed by  
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2024-06-25