



Certificate of Analysis

YK-11

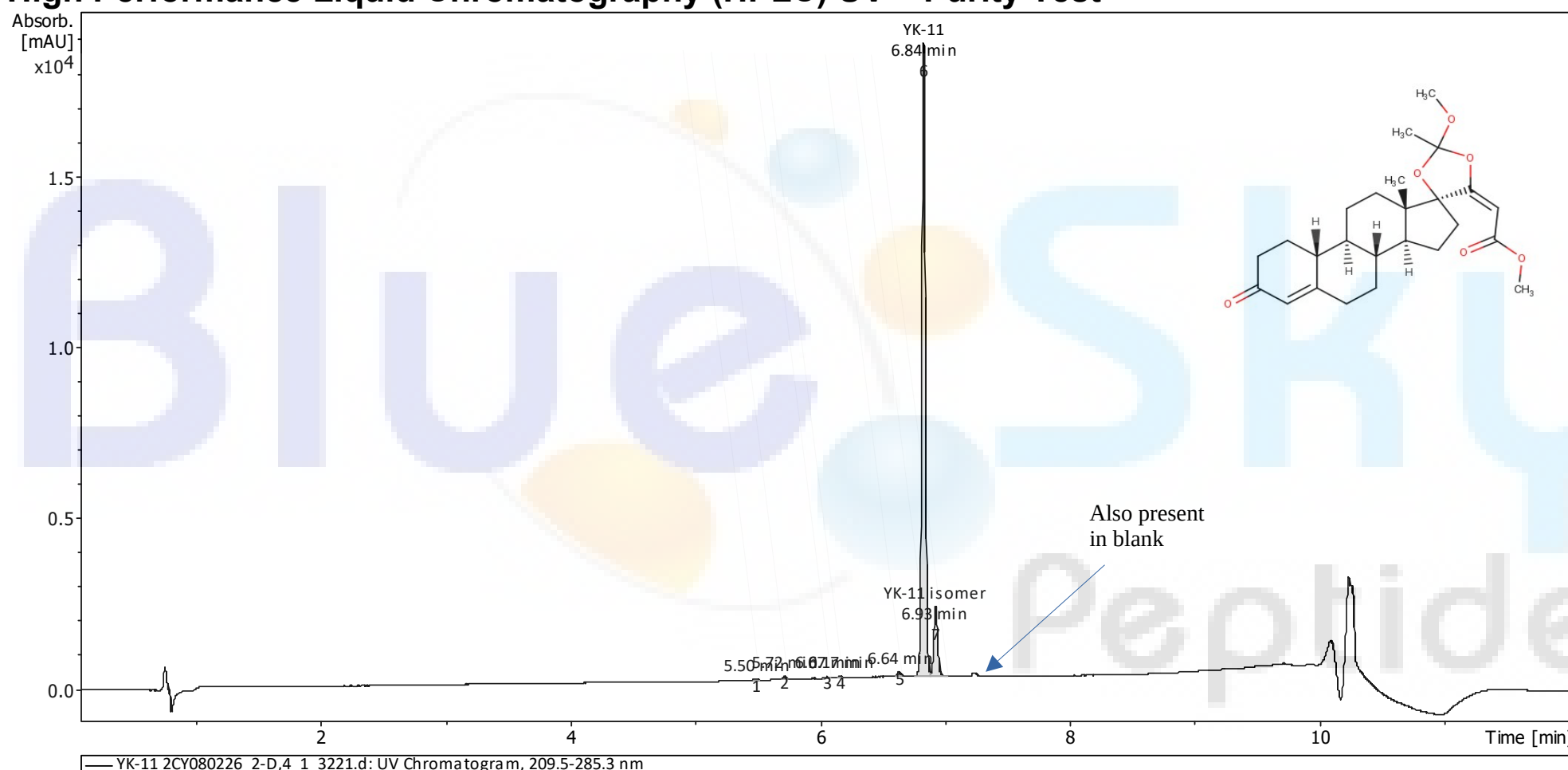
17,20-((1-methoxyethylidene)bis(oxy))-3-oxo-19-norpregna-4,20-diene-21-carboxylic acid methyl ester

Compound : YK-11
Lot number : 2CY080226
Analysis Date : 2026-03-26
Purity % : 98.65%
Method : HPLC-UV-MS

Client : Blue Sky Peptide
<https://www.blueskypeptide.com/>

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

High Performance Liquid Chromatography (HPLC) UV – Purity Test



PEAK LIST		Number of detected peaks: 7		
	Time (min)	Area	%Area	
1	5.5	7.00E+01	0.16	
2	5.72	1.23E+02	0.28	
3	6.07	7.93E+01	0.18	
4	6.17	5.79E+01	0.13	
5	6.64	2.61E+02	0.60	
6	6.84	3.88E+04	88.61	YK-11
7	6.93	4.39E+03	10.04	YK-11 isomer

Overall Purity 98.65

Analysis Performed by
Ken Pendarvis, ChE
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2026-04-02

YK-11

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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

Expected monoisotopic mass : 430.24 Da

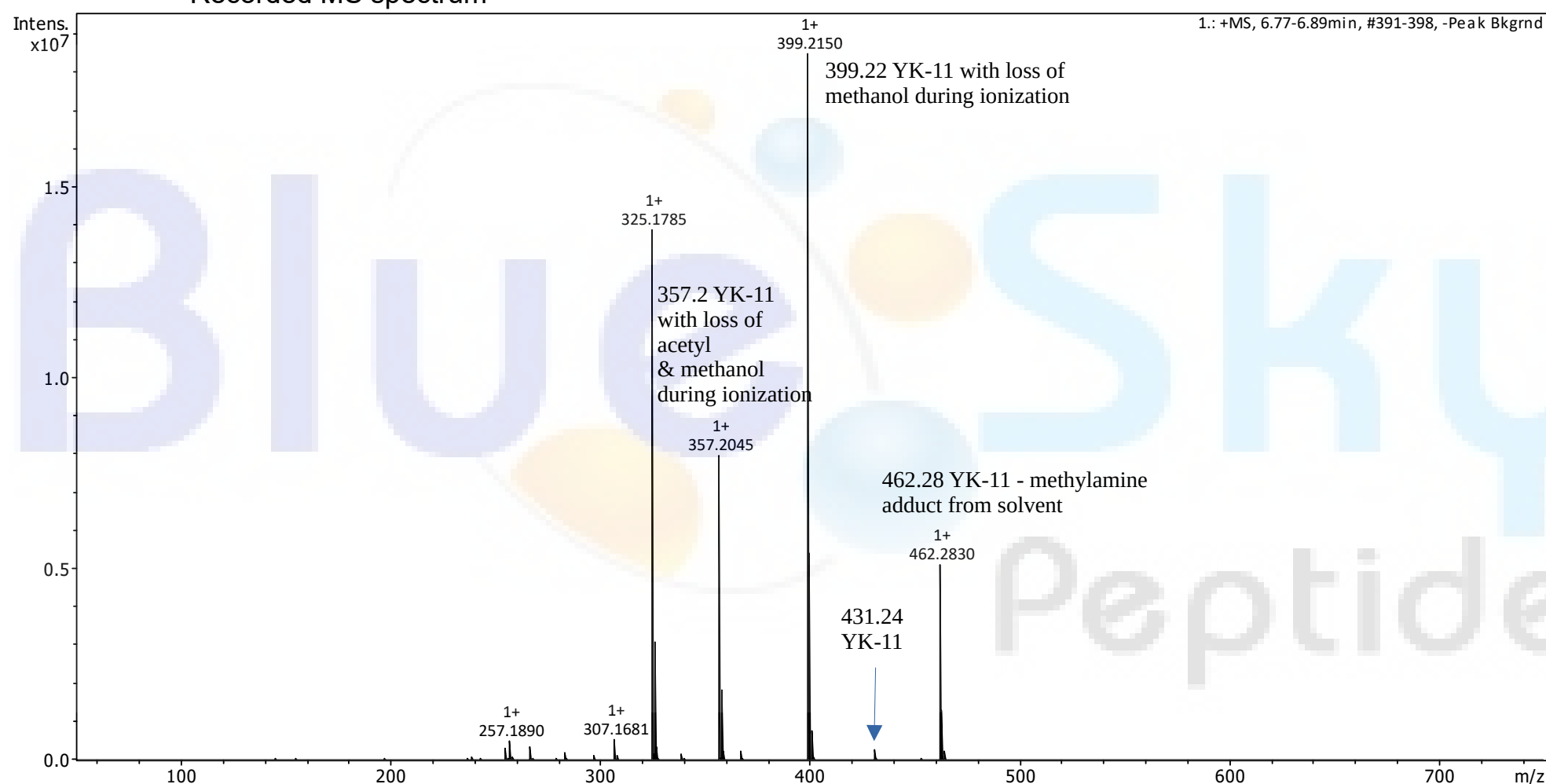
Measured monoisotopic mass : 430.24 Da

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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