

Certificate of Analysis

Piracetam 200 mg/ml

2-(2-oxopyrrolidin-1-yl)acetamide

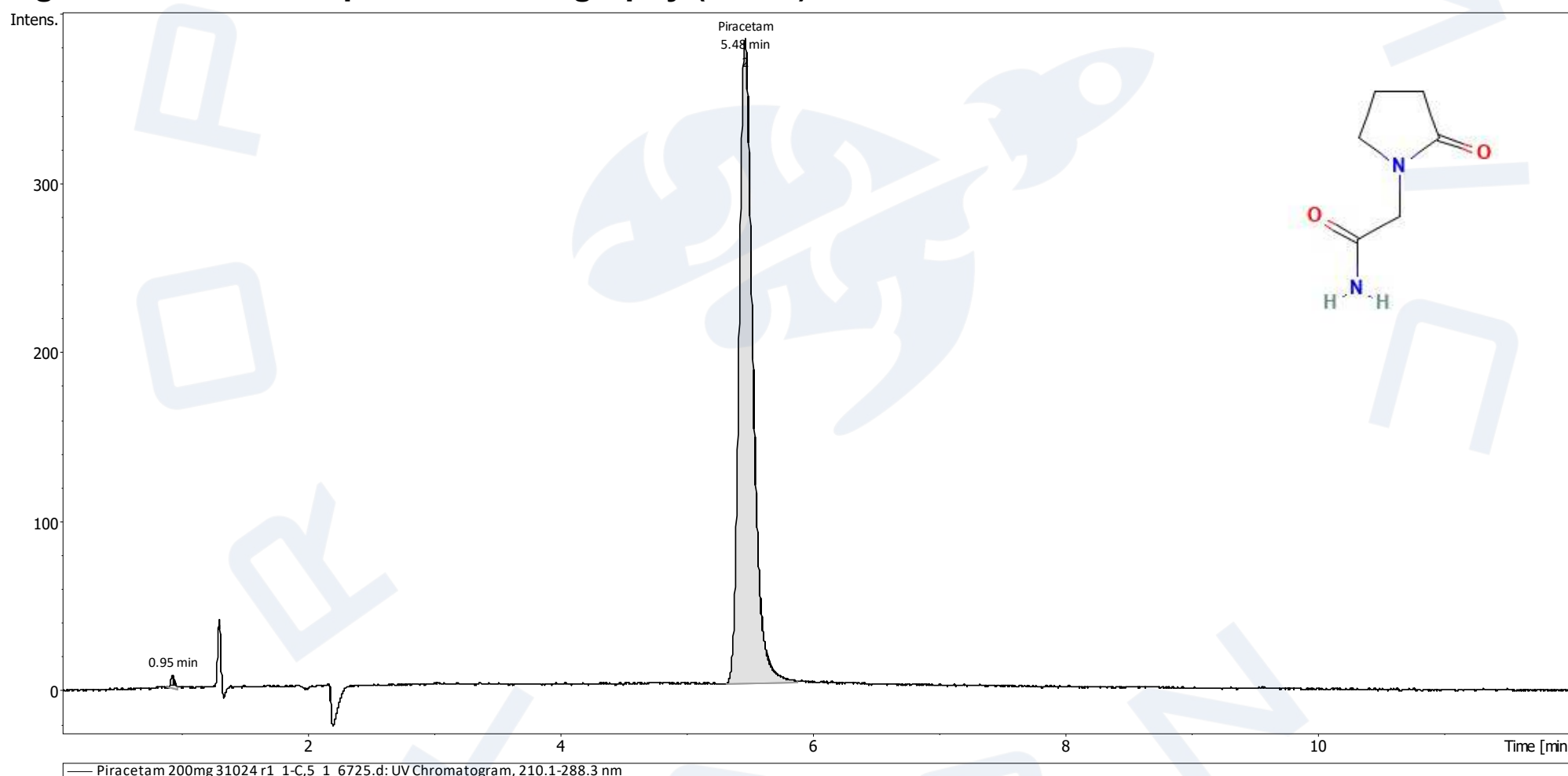
Compound : Piracetam
Lot number : 31024
Analysis date : 2025-06-26
Method : HPLC-UV-MS
Purity : 99.40%
Concentration : 208.5 mg/ml
Description : Clear, colorless liquid
Extractable Vol. : 5.1 ml
pH : 5.0

Client : CosmicNootropic

PubChem CID: 4843

<https://pubchem.ncbi.nlm.nih.gov/compound/4843>

High Performance Liquid Chromatography (HPLC) UV



PEAK LIST		Number of detected peaks: 2	
	Time (min)	Area	%Area
1	0.95	1.76E+01	0.60
2	5.48	2.89E+03	99.40

Piracetam

Quantification by HPLC-UV

Replicates	mg/ml
Piracetam 200mg 31024 r1	211.4
Piracetam 200mg 31024 r2	203.9
Piracetam 200mg 31024 r3	210.2
Average mg/ml	208.5

Analysis Performed by
Ken Pendarvis, ChE
Analytical Chemist
MZ Biolabs
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2025-06-30

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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 : 142.07 Da

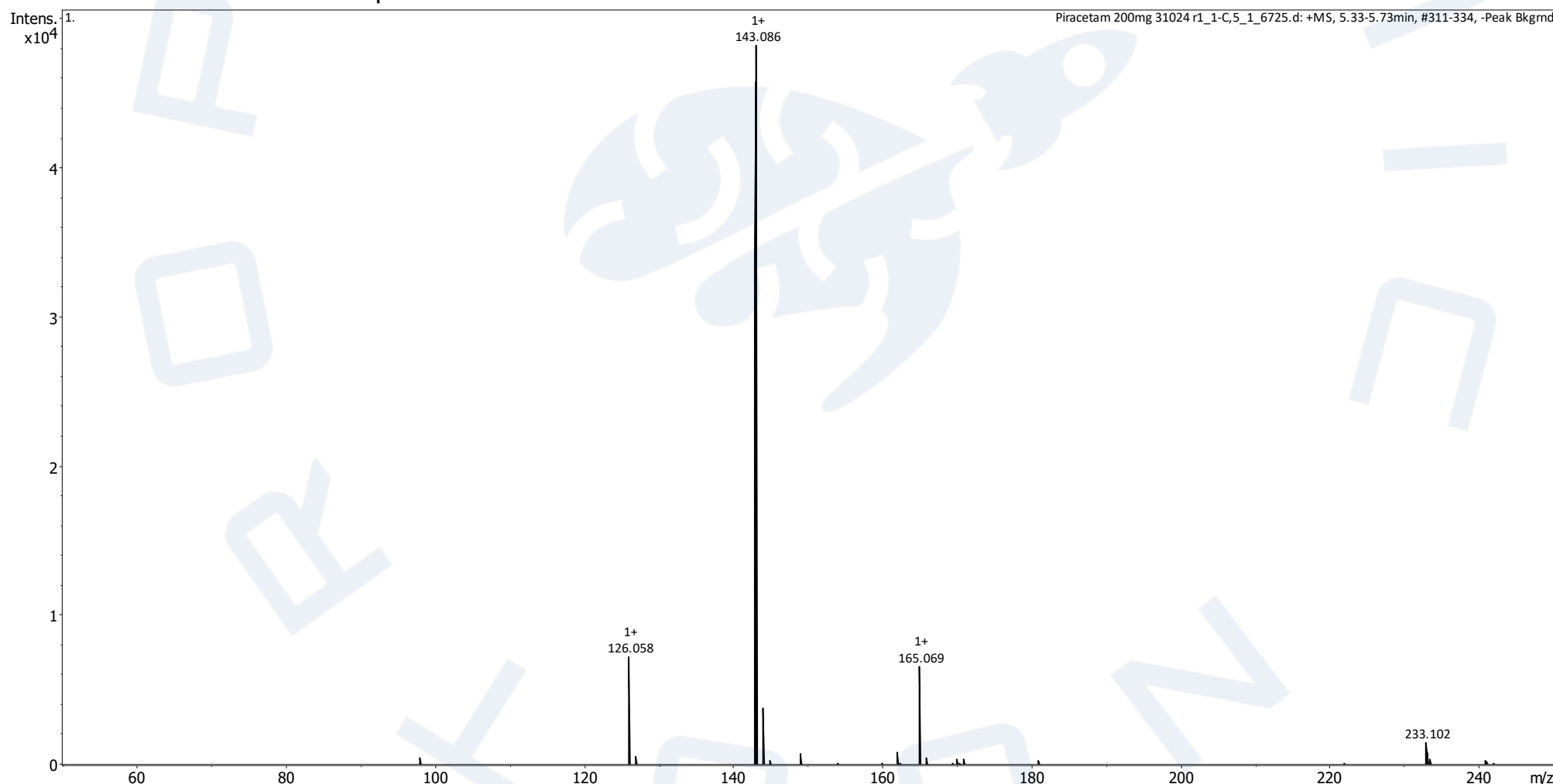
Measured monoisotopic mass : 142.09 Da

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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