

Certificate of Analysis

Phenotropil 100 mg tablets

2-(2-oxo-4-phenylpyrrolidin-1-yl)acetamide

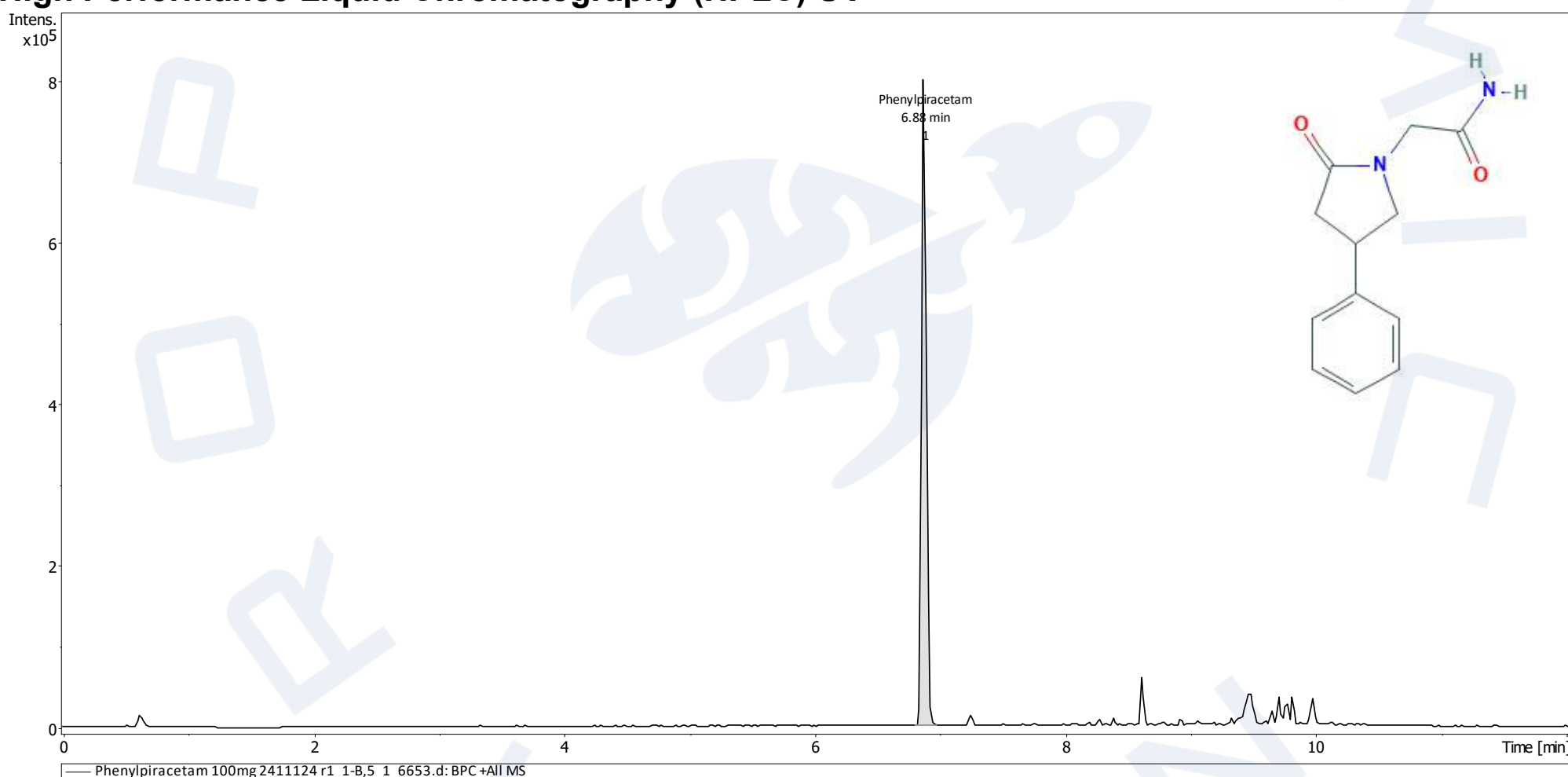
Compound : Phenylpiracetam
Lot number : 2411124
Analysis date : 2025-06-26
Method : HPLC-UV-MS
Measured mg : 96.3 mg/tablet
Description : White tablet, unmarked, 8 mm in diameter

Client : CosmicNootropic

PubChem CID: 132441

<https://pubchem.ncbi.nlm.nih.gov/compound/132441>

High Performance Liquid Chromatography (HPLC) UV



Phenylpiracetam detected at 6.88 minutes

Background peaks due to tablet filler

Quantification by HPLC-UV

Replicates	mg/tablet
Phenylpiracetam 100mg 2411124 r1	102.2
Phenylpiracetam 100mg 2411124 r2	99.8
Phenylpiracetam 100mg 2411124 r2	86.8
Average mg/tablet	96.3

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 : 218.11 Da

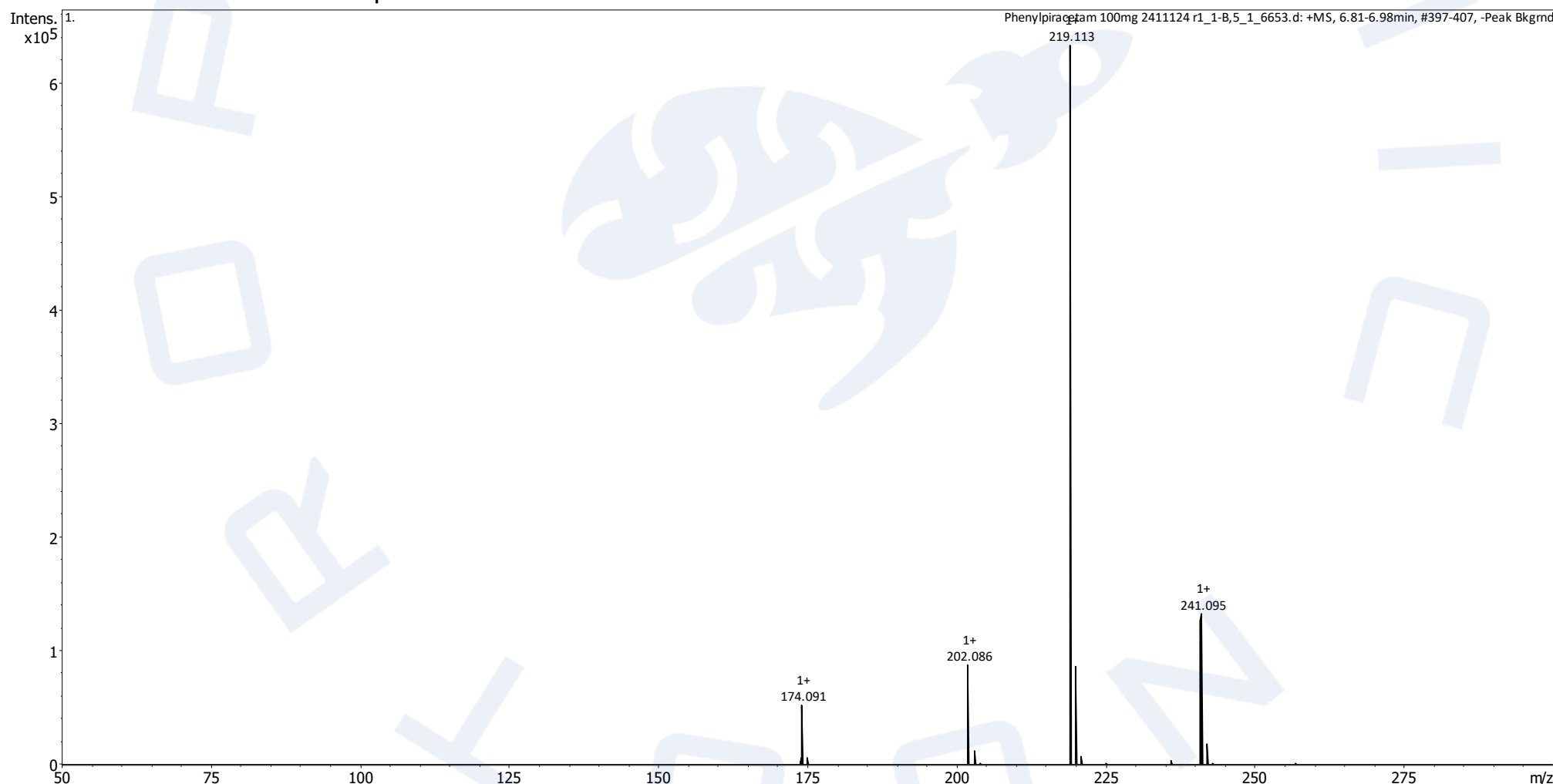
Measured monoisotopic mass : 218.11 Da

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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