MZ Biolabs
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PROOF OF AUTHENTICITY

Certificate of Analysis

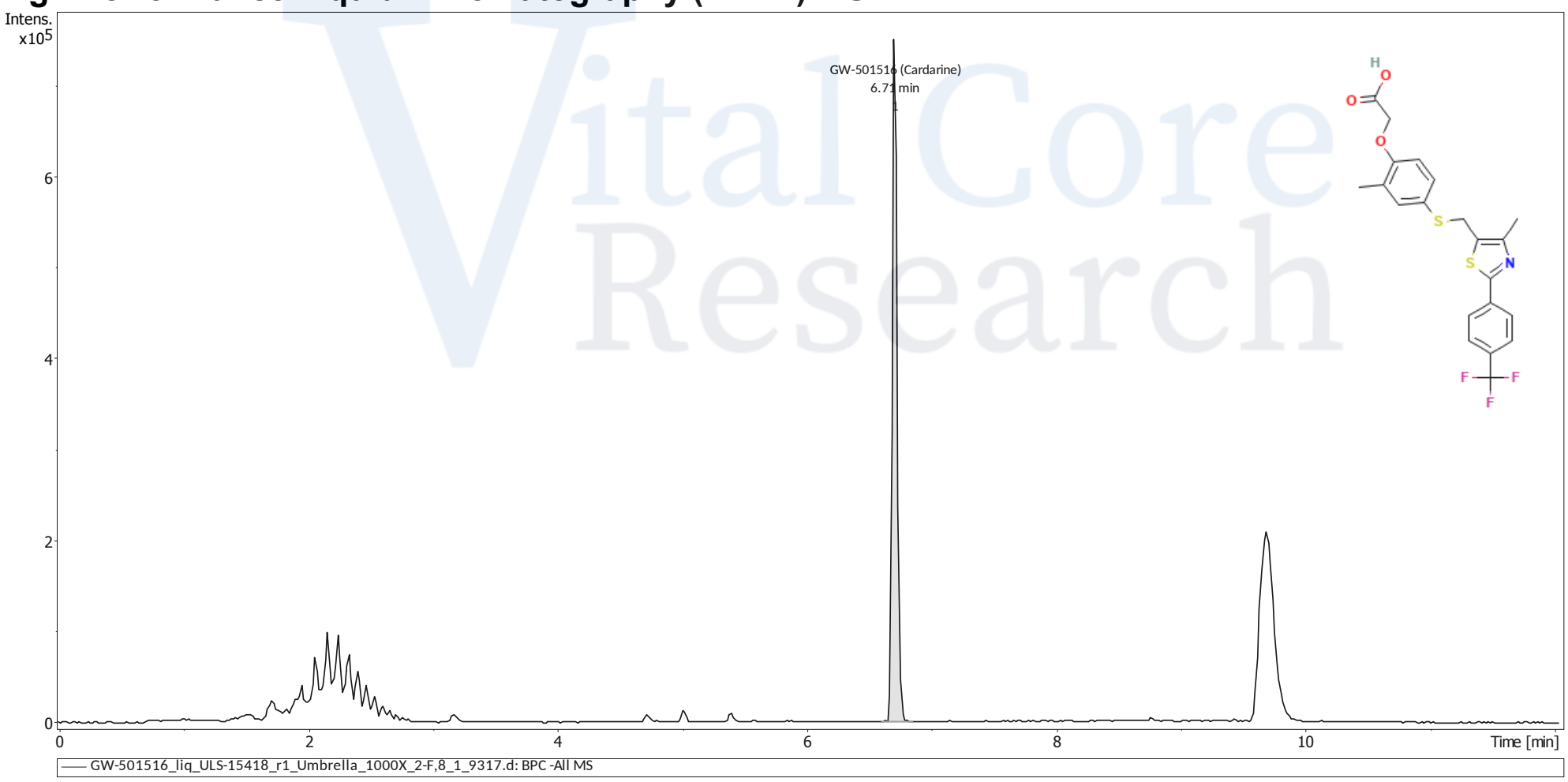
GW-501516 (Cardarine)

2-[2-methyl-4-[[4-methyl-2-[4-(trifluoromethyl)phenyl]-1,3-thiazol-5-yl]methylsulfanyl]phenoxy]acetic acid

Compound	: **GW-501516**	**Client :**	**VITAL CORE RESEARCH**
Lot number	: **ULS-15418**		
Analysis date	: **2025-10-17**		
Quantity	: **22.21 mg/ml**		
Method	: **HPLC-UV-MS**		

PubChem CID: 9803963
https://pubchem.ncbi.nlm.nih.gov/compound/9803963

High Performance Liquid Chromatography (HPLC) MS



GW-501516 detected at 6.71 minutes

Background peaks due to capsule filler

Quantification by HPLC-UV

Replicates	mg/capsule
GW-501516_r1	22.22
GW-501516_r2	22.19
Average mg/ml	**22.21**

Analysis Performed by
Ken Pendarvis, ChE
Analytical Chemist
MZ Biolabs
contact@mzbiolabs.com

2025-10-24

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Mass Spectrometry (MS) – Identity Test

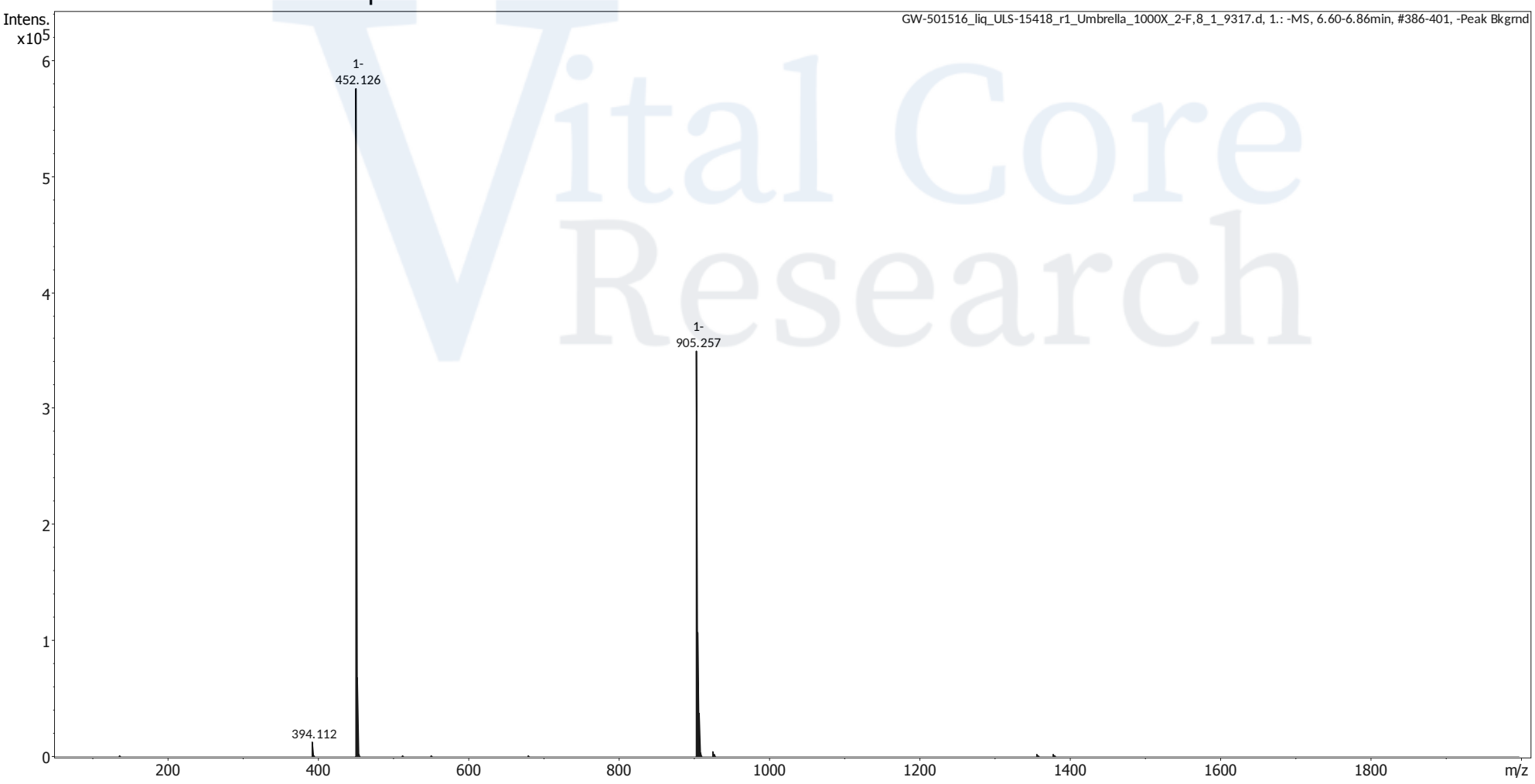
Identity confirmed using HPLC-MS
Molecular weight calculated using monoisotopic m/z values from mass spectrum

Expected monoisotopic mass :	453.10	Da
Measured monoisotopic mass :	453.13	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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