



CHEMICAL ANALYSIS TEST REPORT

Laboratory: Nectar Spectra Laboratories
Location: Barcelona, Spain
Contact: office@nectarspectralabs.com

We hereby certify that:

The test(s) shown below were conducted according to industry standard procedures, using verified reference standards and calibrated instruments. We vouch for the accuracy of these results. Nevertheless we cannot rule out the presence of other minor/trace compounds below the limit of detection of our instruments.

We do not guarantee the safety of consumption of any product, and do not vouch for suppliers of products tested by us, nor for batches. We provide results for scientific and informational purposes on the samples we tested.

Sample Purchase ID	P1295
Sample Lab ID	L1490
Sample ALIAS	Zion Pharma P1295
Date of sample reception	15-Oct-2026
Date of report	21-Oct-2026
Techniques used:	FTIR + HPLC-DAD + NMR
Report by (technician ID)	F2503
Expected substance	Phenibut HCl

RESULTS:

Phenibut HCl 95.2%

Lab comments:

REPORT VERIFICATION CODE:

64826fd19dfda5d83ece65db083a0e32

<https://www.nectarspectralabs.com/en/report-verifier>

END OF REPORT - SPECTRA ATTACHMENTS BELOW

Sample: L1490 - Expected: Phenibut HCl

Result: Phenibut HCl 95.2%

Internal standard: Calcium formate

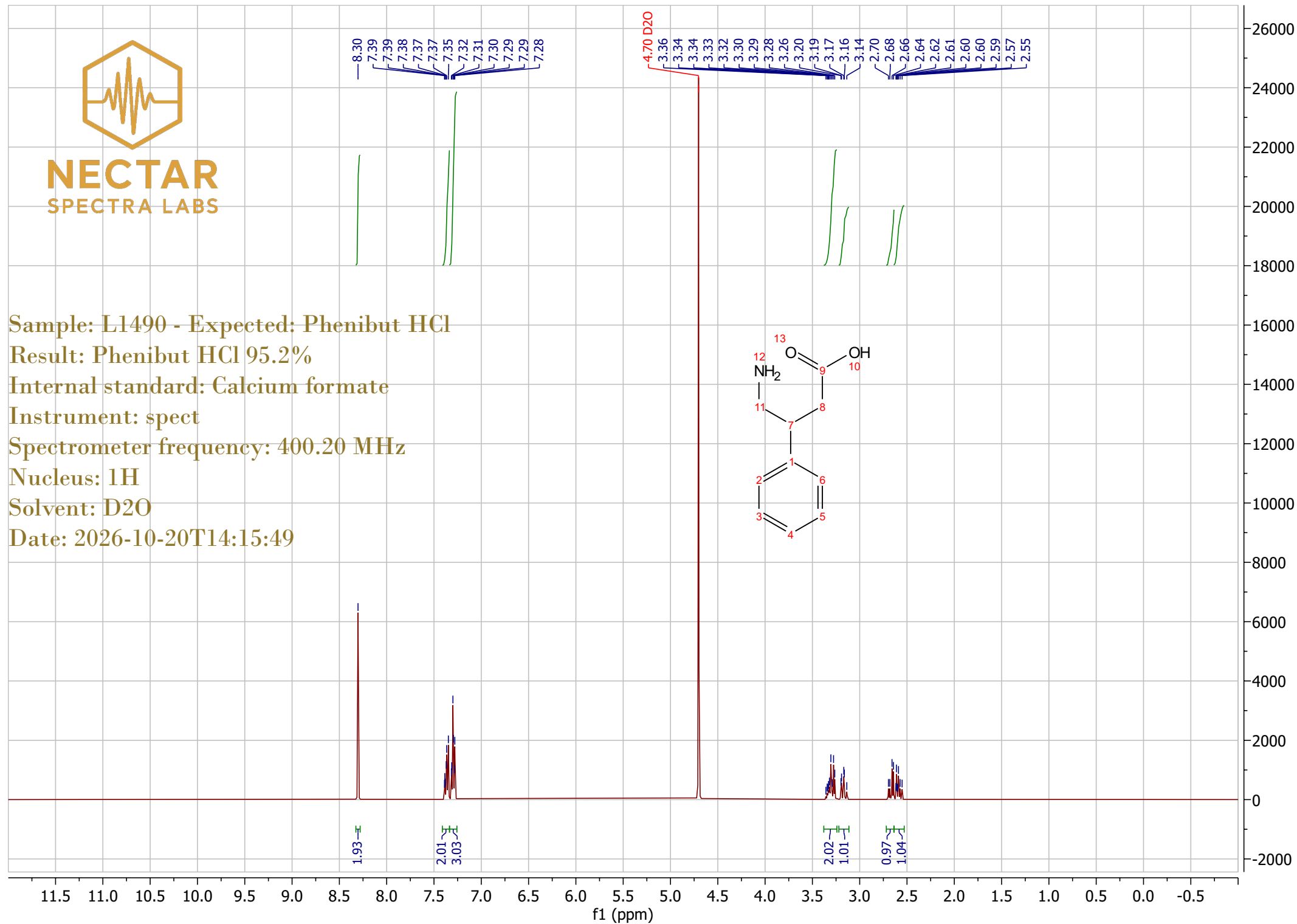
Instrument: spect

Spectrometer frequency: 400.20 MHz

Nucleus: ^1H

Solvent: D₂O

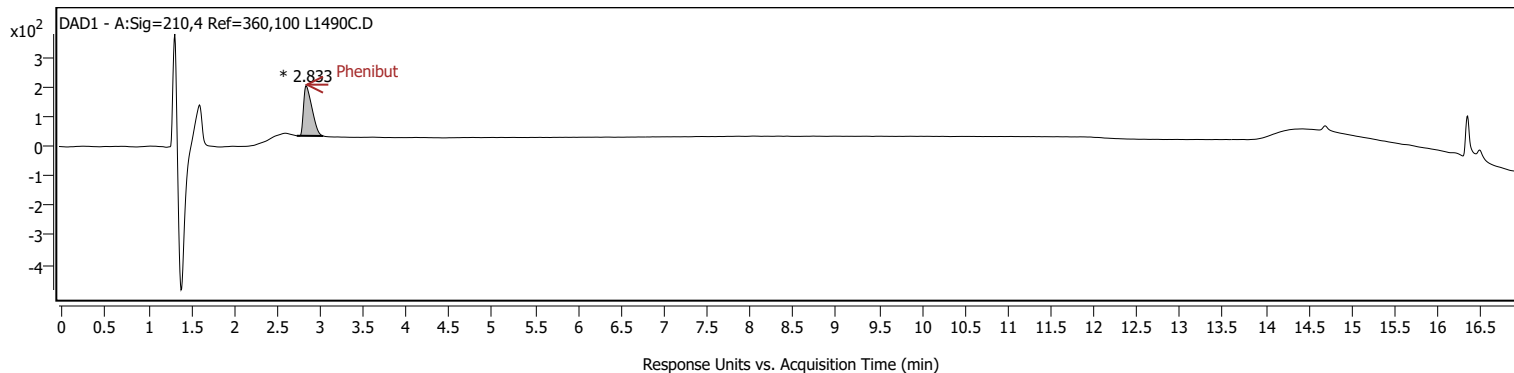
Date: 2026-10-20T14:15:49



Sample Information

Name	L1490c	Data File Path	C:\Users\offic\Documents\TLConscious\LAB\HPLC\Archivos ordenador HPLC\L1470aL1523\L1490C.D
Sample ID		Acq. Time (Local)	10/13/2026 3:58:31 PM (UTC+02:00)
Instrument	HPLC1100	Method Path (Acq)	0 A XTRALONGAPR2026NECTARSPECTRA.M
MS Type		Version (Acq SW)	
Inj. Vol. (ul)	5	IRM Status	
Position	Vial 59	Method Path (DA)	
Plate Pos.		Target Source Path	
Operator	NectarSpectra1	Result Summary	

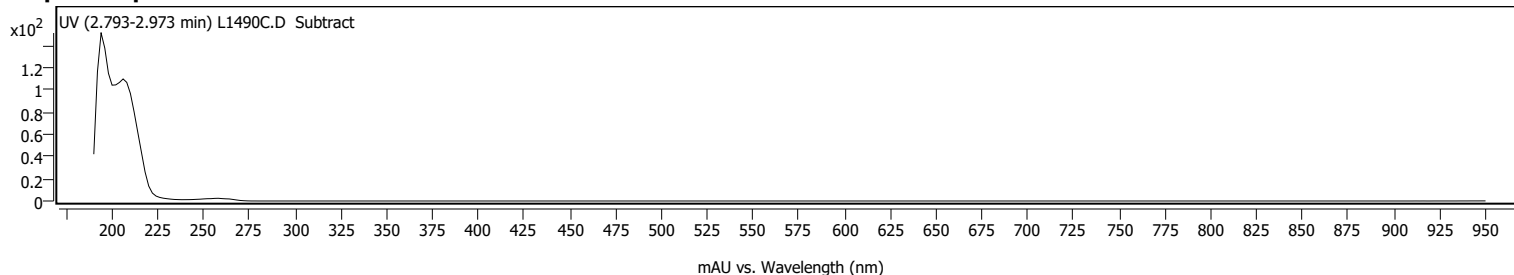
Sample Chromatograms



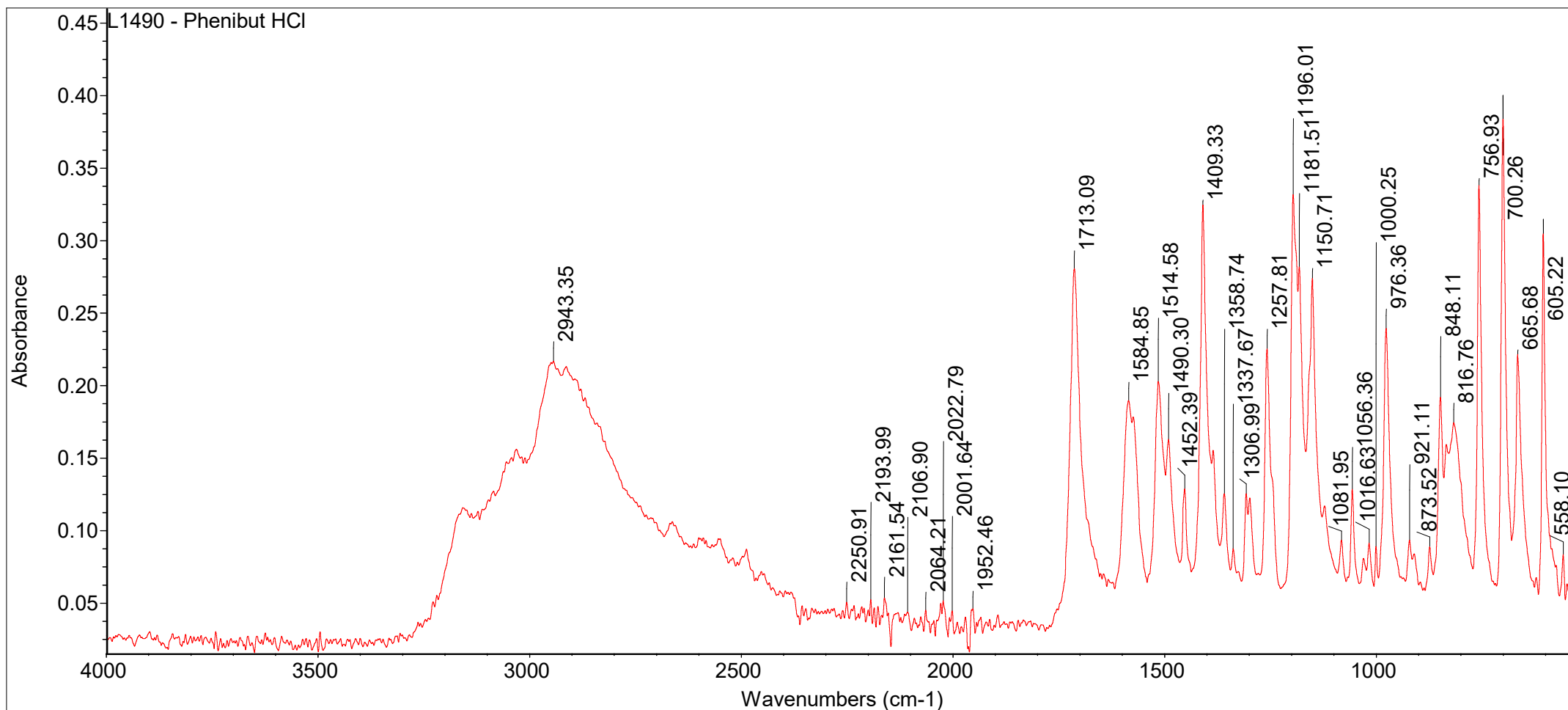
Chromatogram Peaks

Peak	Start	RT	End	Height	Area	Area %	Label
1	2.726	2.833	3.033	170	1143	100.00	

Sample UV Spectra



MassHunter Qual 10.0
(End of Report)



Thu Oct 15 14:51:38 2026 (GMT+02:00)

FIND PEAKS:

Spectrum: L1490 - Phenibut HCl

Region: 4000.12 525.03

Absolute threshold: 0.027

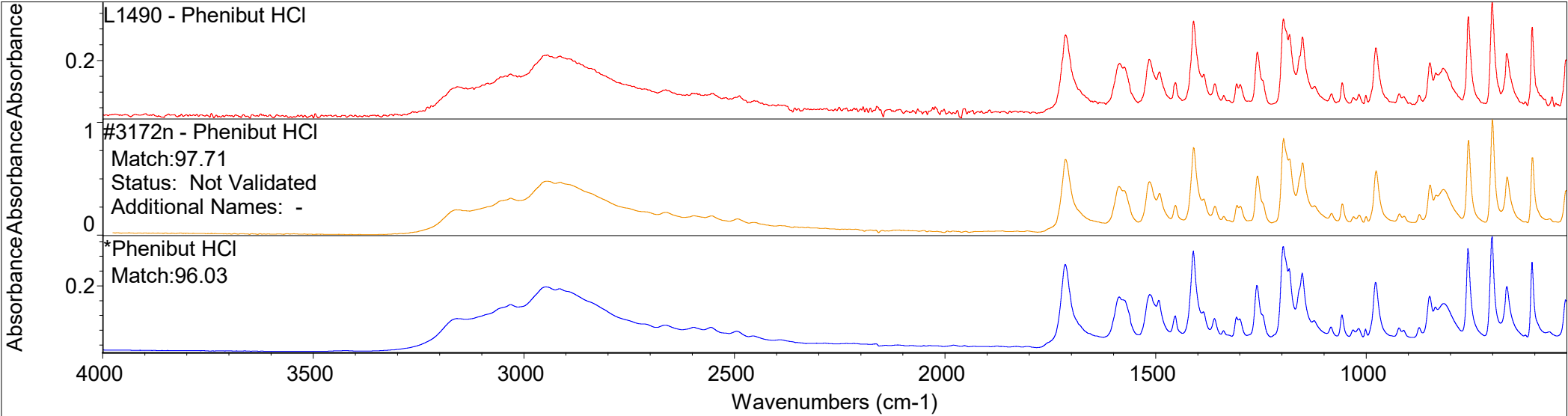
Sensitivity: 50

Peak list:

Position:	558.10	Intensity:	0.0835
Position:	605.22	Intensity:	0.305
Position:	665.68	Intensity:	0.221
Position:	700.26	Intensity:	0.384
Position:	756.93	Intensity:	0.338
Position:	816.76	Intensity:	0.174
Position:	848.11	Intensity:	0.192

Position:	873.52	Intensity:	0.0886
Position:	921.11	Intensity:	0.0933
Position:	976.36	Intensity:	0.239
Position:	1000.25	Intensity:	0.0889
Position:	1016.63	Intensity:	0.0913
Position:	1056.36	Intensity:	0.128
Position:	1081.95	Intensity:	0.0932
Position:	1150.71	Intensity:	0.274
Position:	1181.51	Intensity:	0.282
Position:	1196.01	Intensity:	0.332
Position:	1257.81	Intensity:	0.225
Position:	1306.99	Intensity:	0.125
Position:	1337.67	Intensity:	0.0874
Position:	1358.74	Intensity:	0.125
Position:	1409.33	Intensity:	0.324
Position:	1452.39	Intensity:	0.129
Position:	1490.30	Intensity:	0.163
Position:	1514.58	Intensity:	0.203
Position:	1584.85	Intensity:	0.190
Position:	1713.09	Intensity:	0.281
Position:	1952.46	Intensity:	0.0461
Position:	2001.64	Intensity:	0.0445
Position:	2022.79	Intensity:	0.0516
Position:	2064.21	Intensity:	0.0451
Position:	2106.90	Intensity:	0.0437
Position:	2161.54	Intensity:	0.0535
Position:	2193.99	Intensity:	0.0522
Position:	2250.91	Intensity:	0.0505
Position:	2943.35	Intensity:	0.217

Search results for: L1490 - Phenibut HCl
Date: Thu Oct 15 14:52:07 2026 (GMT+02:00)
Search algorithm: Correlation
Regions searched: 3495.26-700.00



Search results list of matches

	Index	Match	Compound Name	Library Name
1	796	97.71	#3172n - Phenibut HCl	ENFSI DWG Drugs Subset A
2	45	96.03	*Phenibut HCl	RESPONSE ATR
3	374	96.03	#2499n - Phenibut HCl	ENFSI DWG Drugs Subset A
4	52	96.02	Phenibut_HCl	Entea2026



L1490
95