



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	P1297
Sample Lab ID	L1485
Sample ALIAS	Zion Pharma P1297
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	Flmodafinil

RESULTS:

Flmodafinil 98%
Unidentified impurity (minor)

Lab comments:

Sample contains Flmodafinil and a minor impurity which can be seen in HPLC spectra as a minor peak at 11.652 min. We were unable to determine the identity of the impurity

REPORT VERIFICATION CODE:

9161dcce59e1b65e7933b577dd7cfa16

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

END OF REPORT - SPECTRA ATTACHMENTS BELOW

Sample: L1485 - Expected - Flmodafinil

Result: Flmodafinil 98%

Internal standard: Trimethoxybenzene

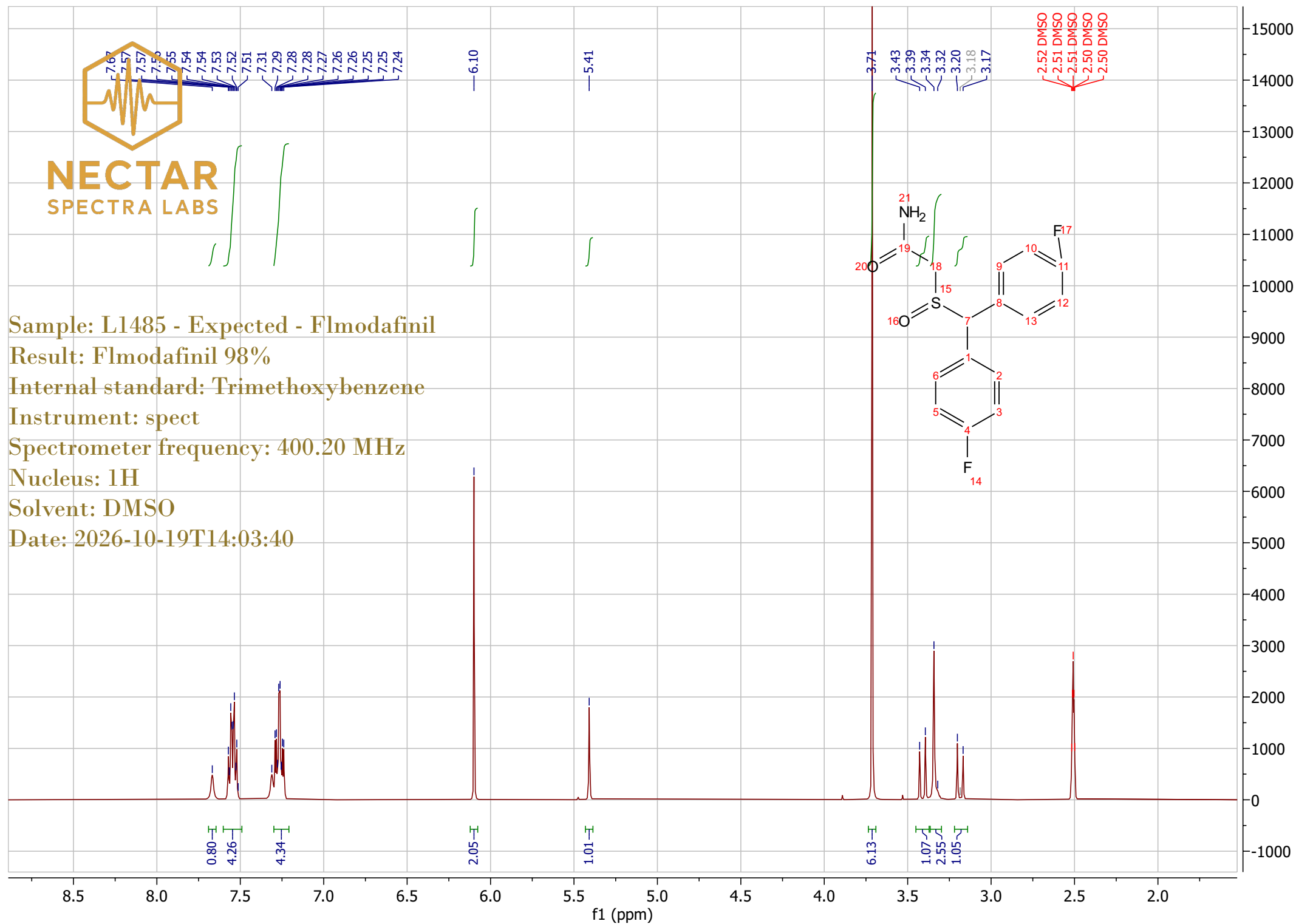
Instrument: spect

Spectrometer frequency: 400.20 MHz

Nucleus: ^1H

Solvent: DMSO

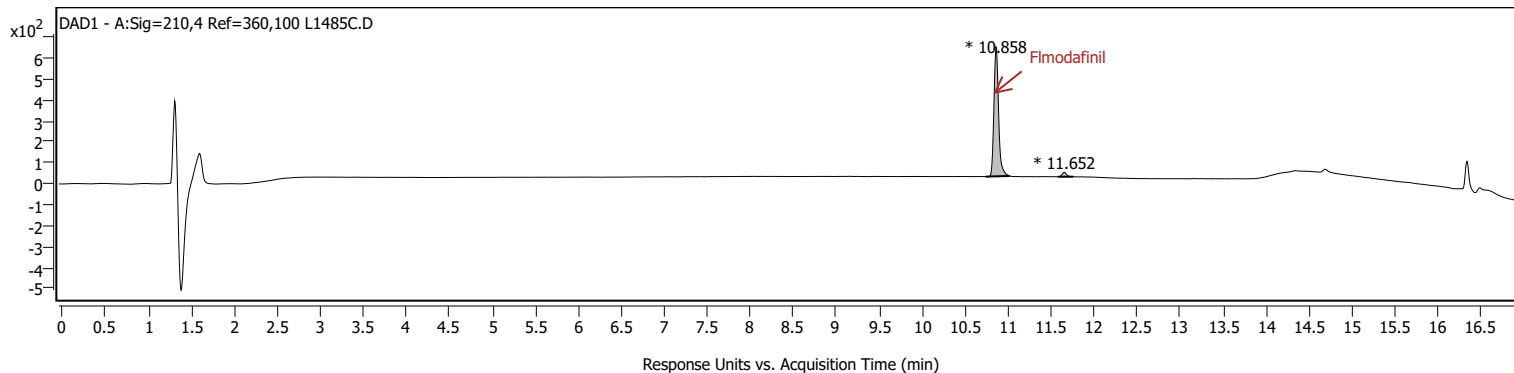
Date: 2026-10-19T14:03:40



Sample Information

Name	L1485c	Data File Path	C:\Users\offic\Documents\TLConscious\LAB\HPLC\Archivos ordenador HPLC\L1470aL1523\L1485C.D
Sample ID		Acq. Time (Local)	10/13/2026 3:47:07 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 49	Method Path (DA)	
Plate Pos.		Target Source Path	
Operator	NectarSpectra1	Result Summary	

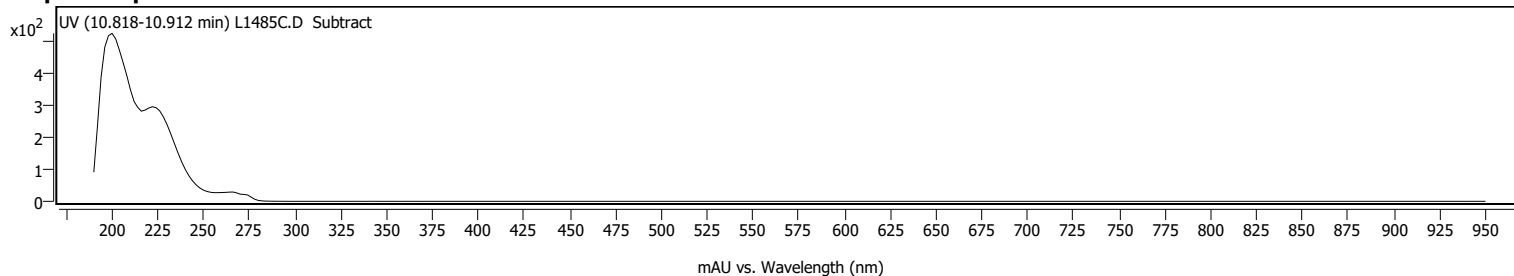
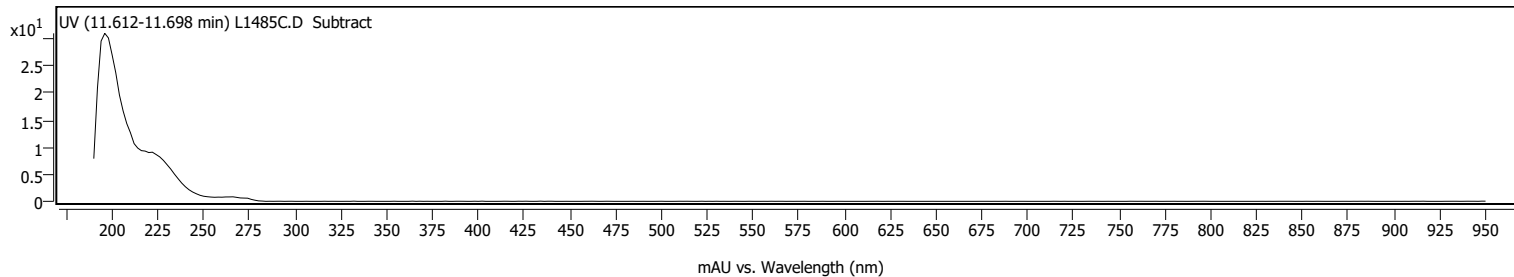
Sample Chromatograms



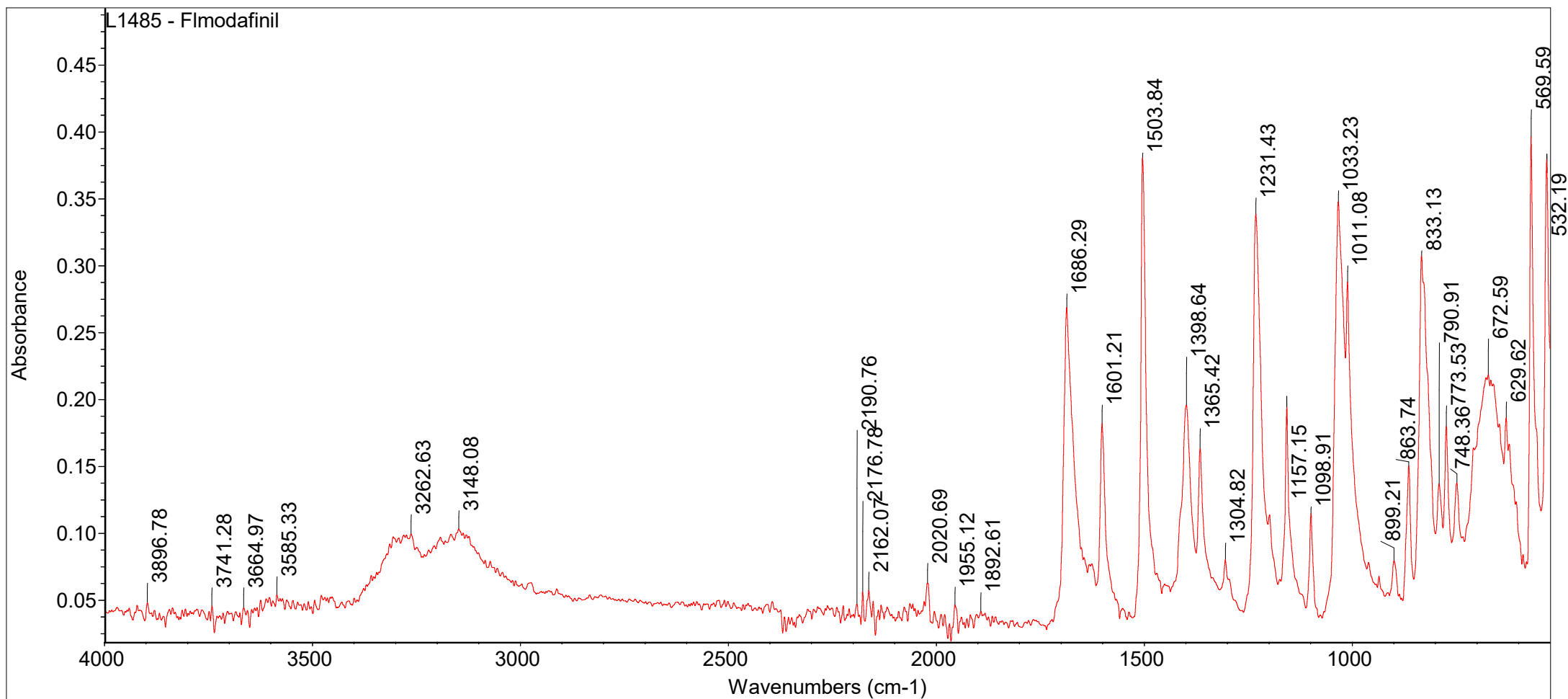
Chromatogram Peaks

Peak	Start	RT	End	Height	Area	Area %	Label
1	10.738	10.858	11.018	618	2323	100.00	
2	11.578	11.652	11.758	21	76	3.27	

Sample UV Spectra



MassHunter Qual 10.0
(End of Report)



Thu Oct 15 15:26:35 2026 (GMT+02:00)

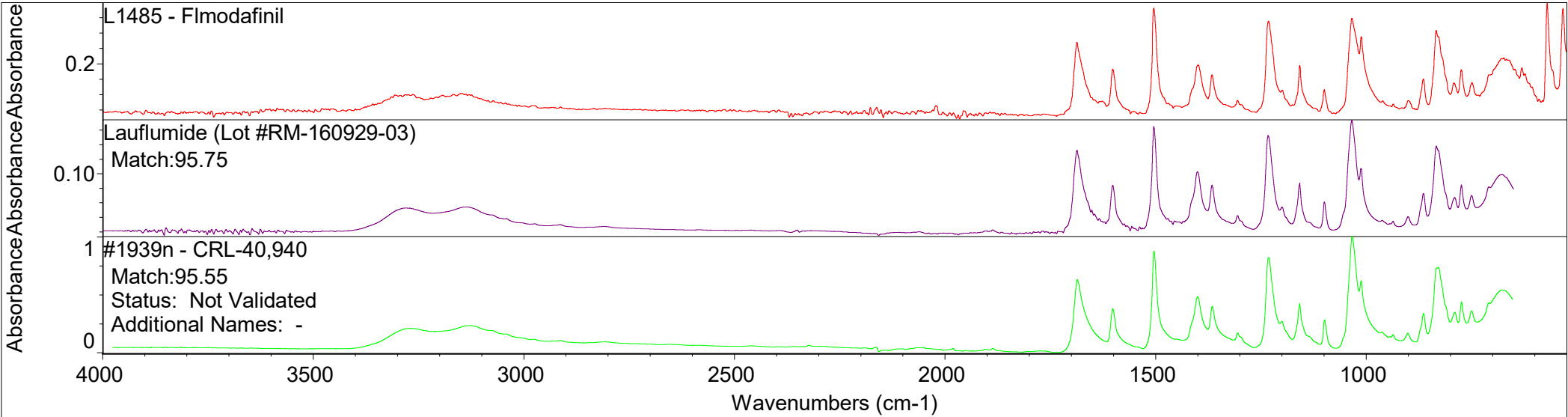
FIND PEAKS:

Spectrum: L1485 - Flmodafinil
Region: 4000.12 525.03
Absolute threshold: 0.033
Sensitivity: 50
Peak list:

Position:	532.19	Intensity:	0.379
Position:	569.59	Intensity:	0.397
Position:	629.62	Intensity:	0.186
Position:	672.59	Intensity:	0.219
Position:	748.36	Intensity:	0.137
Position:	773.53	Intensity:	0.180
Position:	790.91	Intensity:	0.137

Position:	833.13	Intensity:	0.307
Position:	863.74	Intensity:	0.150
Position:	899.21	Intensity:	0.0793
Position:	1011.08	Intensity:	0.288
Position:	1033.23	Intensity:	0.348
Position:	1098.91	Intensity:	0.115
Position:	1157.15	Intensity:	0.194
Position:	1231.43	Intensity:	0.338
Position:	1304.82	Intensity:	0.0801
Position:	1365.42	Intensity:	0.163
Position:	1398.64	Intensity:	0.195
Position:	1503.84	Intensity:	0.381
Position:	1601.21	Intensity:	0.182
Position:	1686.29	Intensity:	0.269
Position:	1892.61	Intensity:	0.0417
Position:	1955.12	Intensity:	0.0464
Position:	2020.69	Intensity:	0.0626
Position:	2162.07	Intensity:	0.0573
Position:	2176.78	Intensity:	0.0562
Position:	2190.76	Intensity:	0.0467
Position:	3148.08	Intensity:	0.103
Position:	3262.63	Intensity:	0.0992
Position:	3585.33	Intensity:	0.0538
Position:	3664.97	Intensity:	0.0440
Position:	3741.28	Intensity:	0.0455
Position:	3896.78	Intensity:	0.0480

Search results for: L1485 - Flmodafinil
Date: Thu Oct 15 15:27:33 2026 (GMT+02:00)
Search algorithm: Correlation
Regions searched: 3495.26-700.00



Search results list of matches

				Library Name
	Index	Match	Compound Name	
1	284	95.75	Lauflumide (Lot #RM-160929-03)	Master SFL1 FTIR Library v.051524
2	229	95.55	#1939n - CRL-40,940	ENFSI DWG Drugs Subset D
3	1214	90.48	#4797n - Bisfluoromodafinil / CRL-40,940 / flmodafinil / lau	ENFSI DWG Drugs Subset C
4	29	63.60	2,5-DIMETHOXYAMPHETAMINE HCL	Georgia State Crime Lab Sample Library
5	228	61.75	#1938n - CRL-40,940	ENFSI DWG Drugs Subset D
6	1141	59.10	#4279n - Modafiendz	ENFSI DWG Drugs Subset D
7	130	58.17	*18/ADB-042 neat (CHCl3)	inter2
8	498	56.98	*Modafiendz base neat	NPSDatahub 650
9	152	55.85	Epoxy part B	Common Materials
10	556	55.61	1-ETHYNYL-4-FLUOROBENZENE, 99%	HR Aldrich Dyes, Indicators, Nitro and Azo Compounds



L1485
297