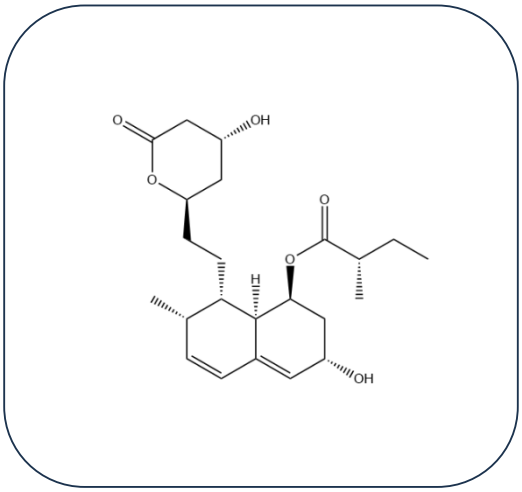
KAARIS LABS
Delivering Scientific Excellence

Certificate of Analysis

Catalogue Number
KL-02-01998

Lot Number
KLP0005AG01

Structure



Product Name
Pravastatin Lactone

Synonyms
Pravastatin EP Impurity D

CAS Number
85956-22-5

Molecular Formula
$C_{23}H_{34}O_6$

Molecular Weight
406.52 g/mol

Mfg. Date
11-08-2025

Re-Test Date
10-08-2028

Shipping Condition
All Product are stable to be shipped at room temperature, unless otherwise specified.

Long Term Storage Conditions
2°C ~ 8°C Protected from light and Sealed

Analytical Information

Appearance of Product	: White to Off-White Solid	Purity by HPLC	: 98.28%
Solubility	: Chloroform, Methanol	Mass	: Confirm
^{1}HNMR	: Confirm		

Approved By B Kishore

Date 12-08-2025

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Note: Use for research & analytical purpose only. Not for human consumption

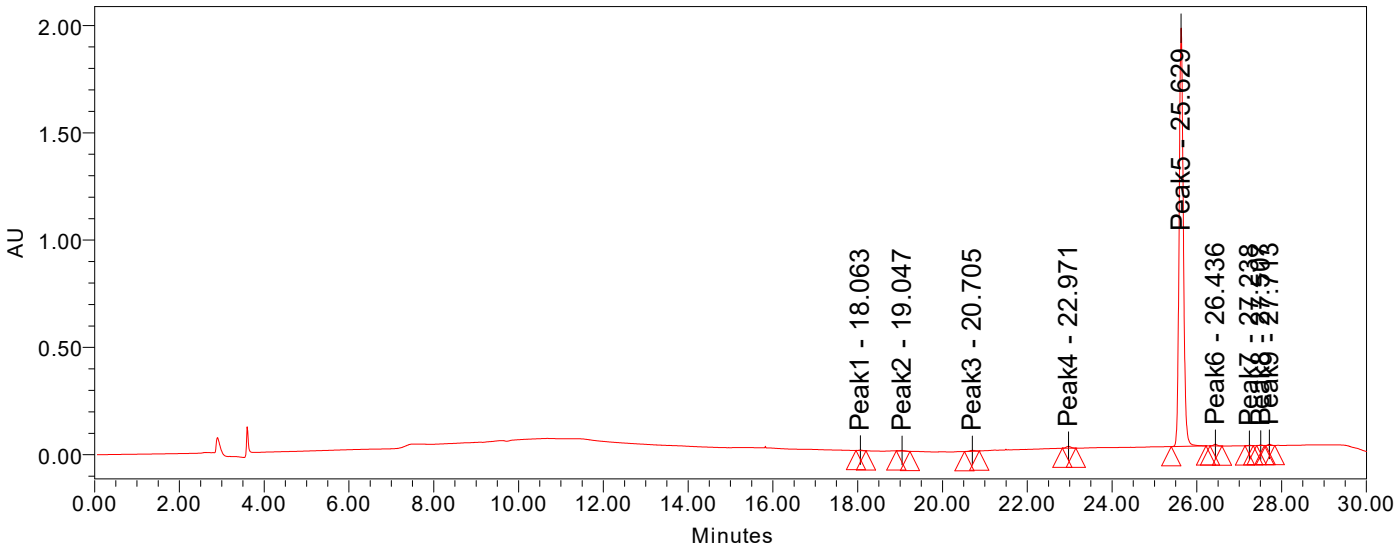
Empower 3 SOFTWARE

SAMPLE INFORMATION

Sample Name:	KLP0005AG01	Acquired By:	ACCUHPLC
Sample Type:	Unknown	Sample Set Name:	16082025002_RS_BY_HPLC
Vial:	29	Acq. Method Set:	KAARIS_30 MINS_HPLC METHOD
Injection #:	6	Processing Method:	ACCU_Gen Process method
Injection Volume:	10.00 ul	Channel Name:	2998 Ch1 238nm@4.8nm
Run Time:	30.0 Minutes	Proc. Chnl. Descr.:	2998 Ch1 238nm@4.8nm
Date Acquired:	11-08-2025 11:26:11 IST		
Date Processed:	13-08-2025 09:45:15 IST		

COLUMN:- WATERS X BRIDGE (4.6*250mm , 5µm)

Auto-Scaled Chromatogram



Peak Results

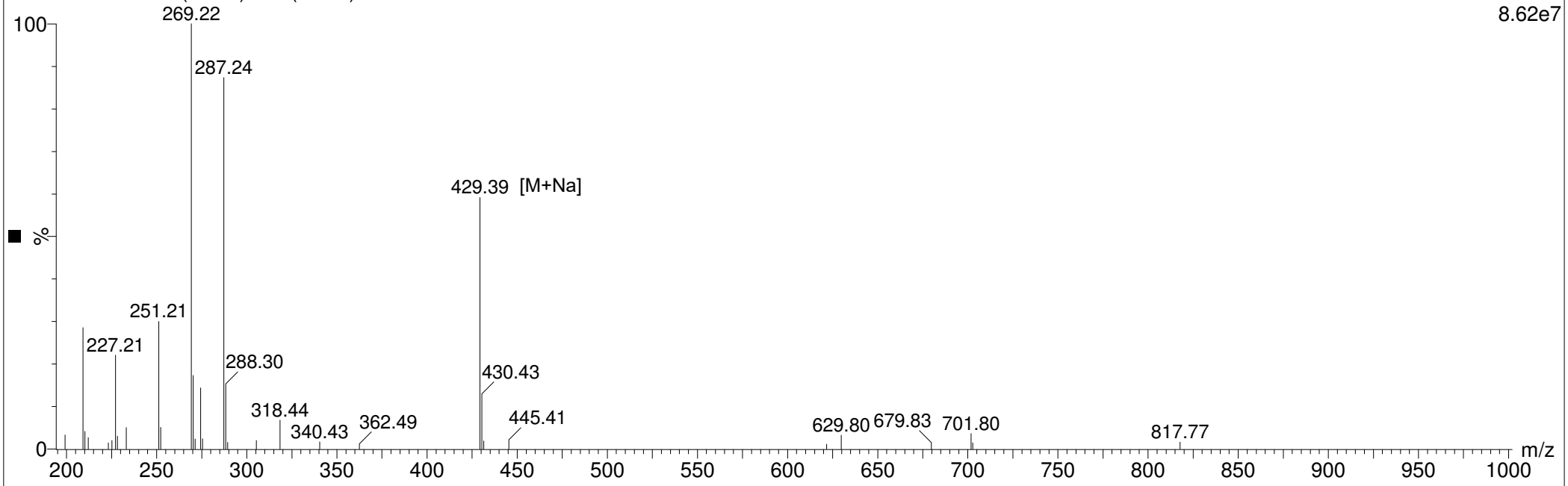
	Name	RT	Height	Area	% Area	RT Ratio
1	Peak1	18.06	2581	15740	0.11	0.705
2	Peak2	19.05	2724	24859	0.18	0.743
3	Peak3	20.71	4005	33858	0.25	0.808
4	Peak4	22.97	9000	68376	0.50	0.896
5	Peak5	25.63	1948877	13554850	98.28	1.000
6	Peak6	26.44	7830	47376	0.34	1.031
7	Peak7	27.24	1626	8787	0.06	1.063
8	Peak8	27.51	2109	10575	0.08	1.073
9	Peak9	27.71	5501	27267	0.20	1.081

ACCU ANALYTICAL **14-Aug-2025**

KLP0005AG01 **13:12:41**

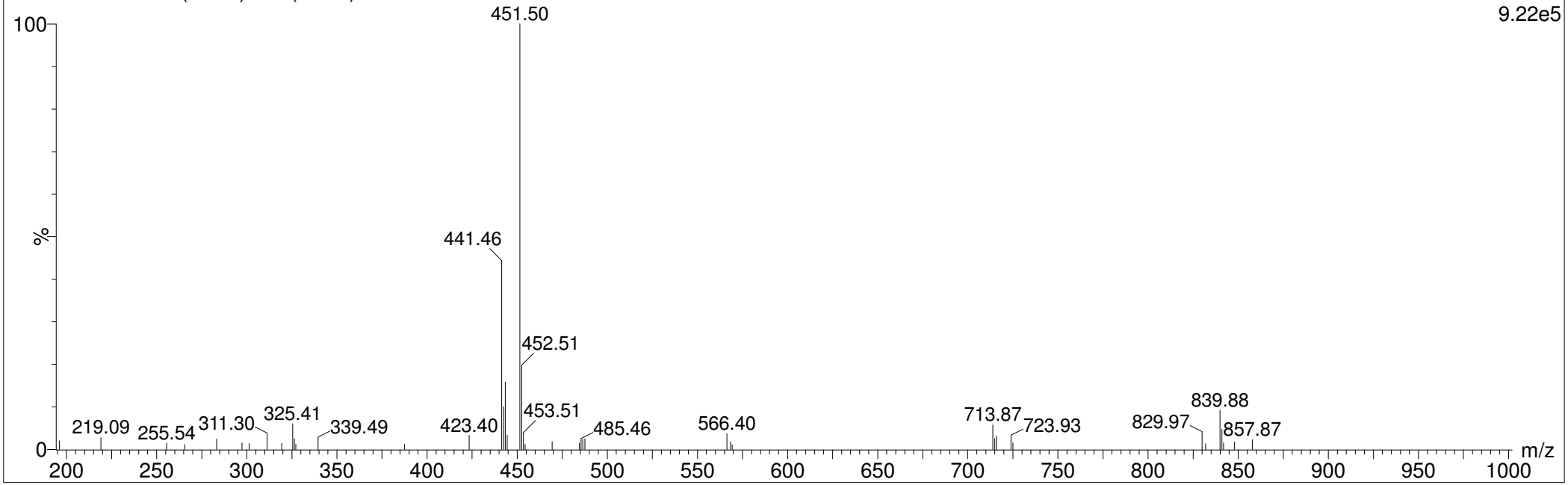
KLP0005AG01 16 (0.269) Cm (12:21)

1: Scan ES+
8.62e7



KLP0005AG01 16 (0.277) Cm (12:20)

2: Scan ES-
9.22e5



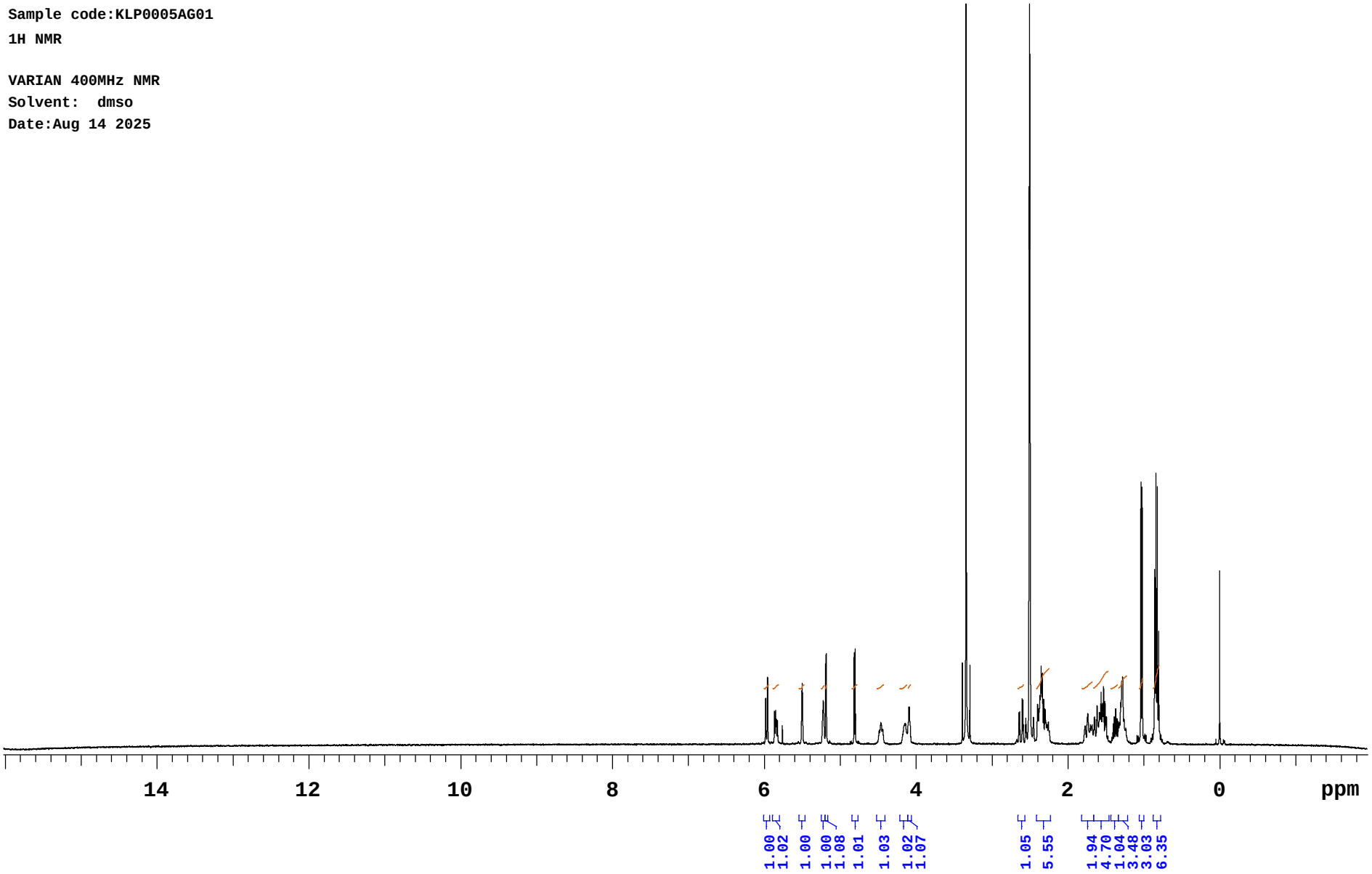
Sample code:KLP0005AG01

1H NMR

VARIAN 400MHz NMR

Solvent: dmso

Date:Aug 14 2025

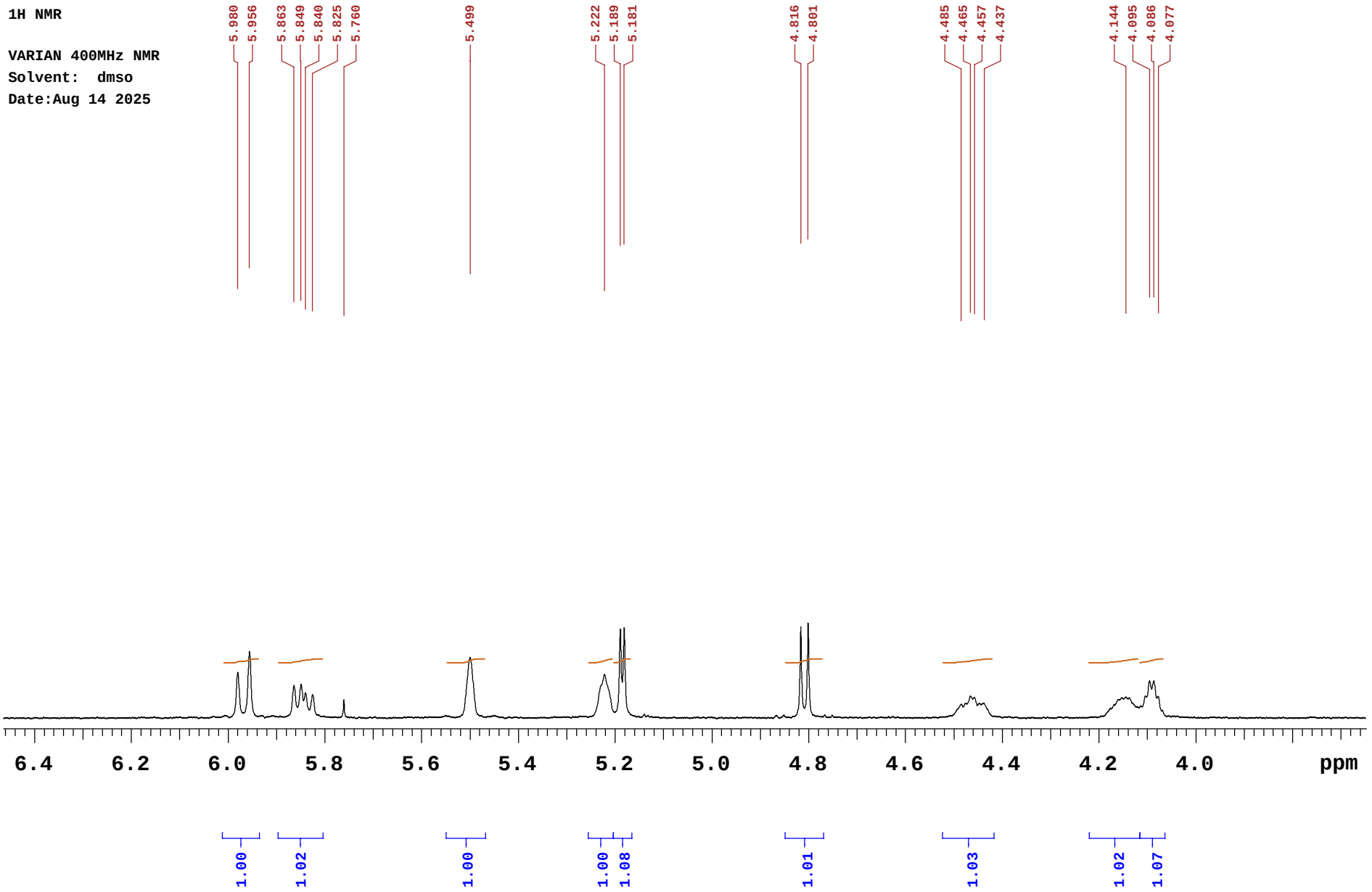


Plotname: KLP0005AG01_PROTON_01_plot01

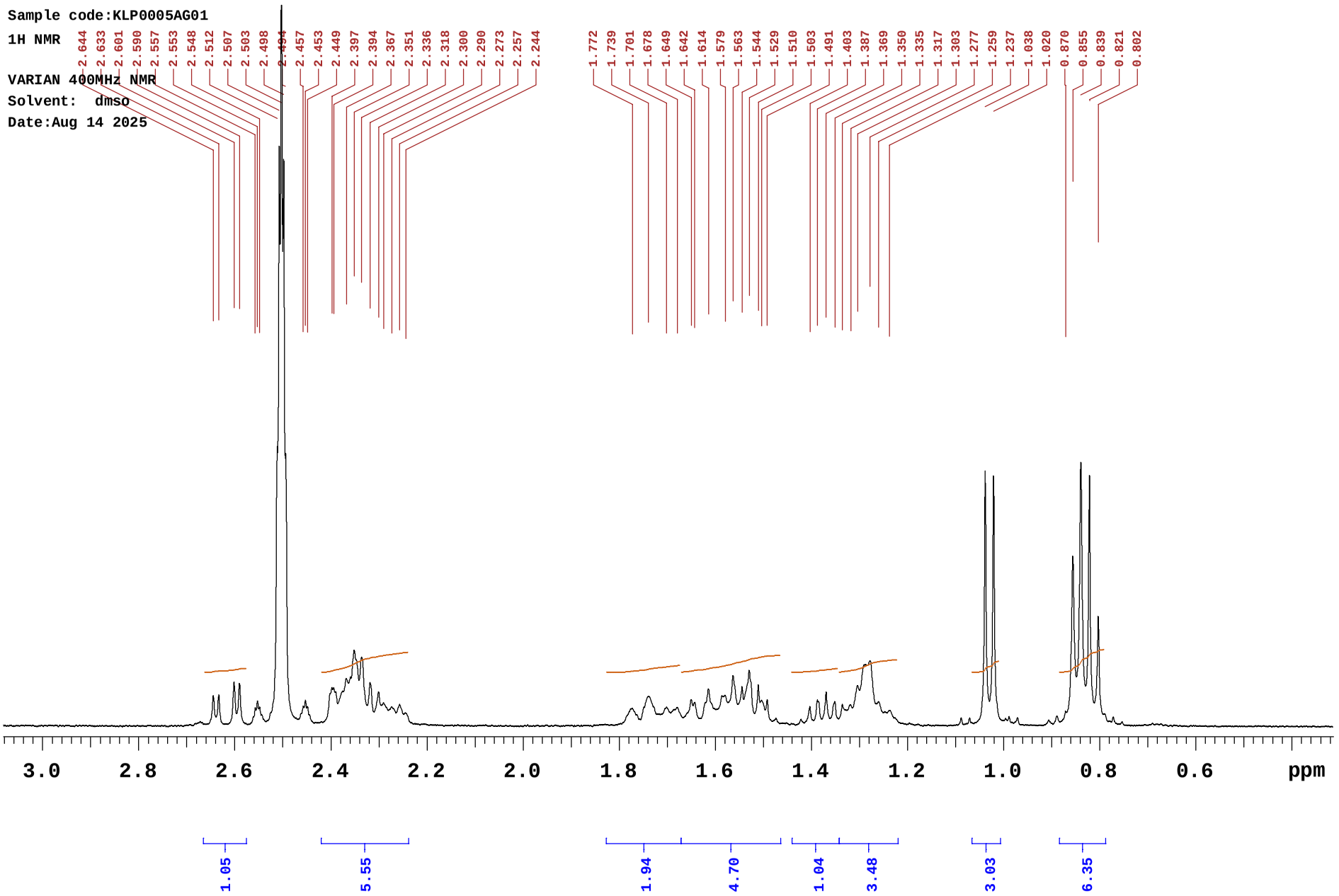
Sample code:KLP0005AG01

1H NMR

VARIAN 400MHz NMR
Solvent: dmso
Date:Aug 14 2025



Plotname: KLP0005AG01_PROTON_01_plot02



Plotname: KLP0005AG01_PROTON_01_plot03

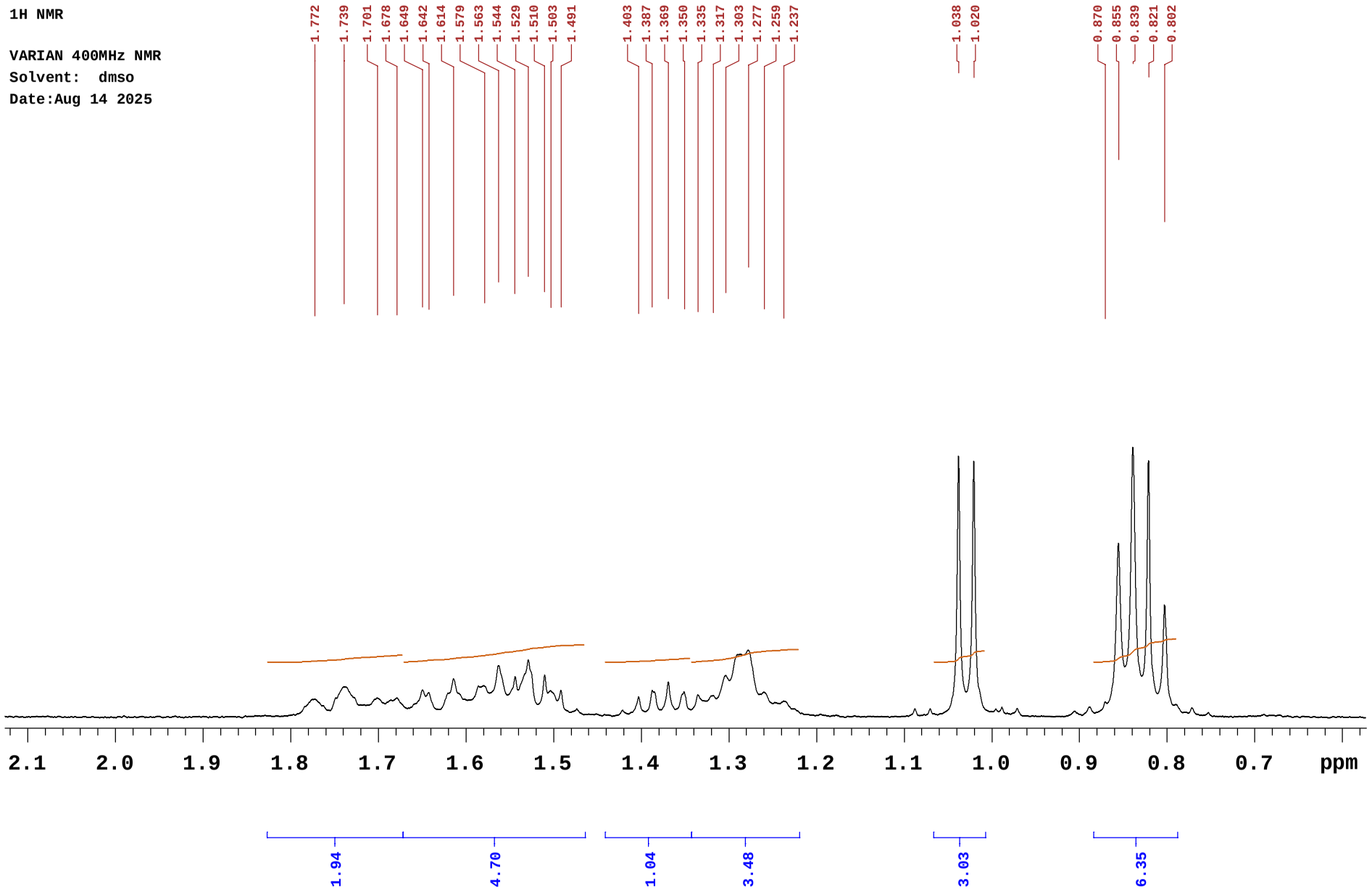
Sample code:KLP0005AG01

1H NMR

VARIAN 400MHz NMR

Solvent: dmso

Date:Aug 14 2025



Plotname: KLP0005AG01_PROTON_01_plot04

Sample code:KLP0005AG01

1H NMR
VARIAN 400MHz NMR

Solvent: dmso

Date:Aug 14 2025

INDEX	FREQUENCY	PPM	HEIGHT	INDEX	FREQUENCY	PPM	HEIGHT	INDEX	FREQUENCY	PPM	HEIGHT
1	2390.1	5.980	8.3	35	998.6	2.498	106.0	69	533.6	1.335	4.1
2	2380.5	5.956	12.1	36	996.9	2.494	51.0	70	526.6	1.317	3.9
3	2343.6	5.863	5.9	37	982.2	2.457	3.7	71	520.9	1.303	7.5
4	2337.9	5.849	6.1	38	980.4	2.453	4.8	72	510.6	1.277	12.2
5	2334.2	5.840	4.5	39	978.7	2.449	3.6	73	503.4	1.259	4.5
6	2328.3	5.825	4.2	40	958.3	2.397	7.2	74	494.4	1.237	2.8
7	2302.4	5.760	3.3	41	956.7	2.394	7.1	75	414.8	1.038	47.7
8	2198.1	5.499	11.0	42	946.2	2.367	8.8	76	407.8	1.020	46.8
9	2087.1	5.222	7.9	43	939.9	2.351	14.1	77	347.9	0.870	2.8
10	2074.0	5.189	16.2	44	933.5	2.336	12.9	78	341.8	0.855	31.8
11	2070.9	5.181	16.4	45	926.5	2.318	8.1	79	335.2	0.839	49.3
12	1924.9	4.816	16.6	46	919.5	2.300	6.4	80	328.0	0.821	46.9
13	1919.0	4.801	17.3	47	915.3	2.290	4.2	81	320.7	0.802	20.5
14	1792.5	4.485	2.4	48	908.5	2.273	3.4	82	-0.0	-0.000	31.5
15	1784.8	4.465	3.9	49	901.9	2.257	4.0				
16	1781.5	4.457	3.7	50	896.9	2.244	2.4				
17	1773.4	4.437	2.6	51	708.3	1.772	3.3				
18	1656.3	4.144	3.7	52	695.0	1.739	5.5				
19	1636.8	4.095	6.7	53	679.8	1.701	3.5				
20	1633.3	4.086	6.7	54	670.9	1.678	3.4				
21	1629.6	4.077	3.9	55	659.2	1.649	4.9				
22	1354.9	3.390	14.8	56	656.4	1.642	4.4				
23	1334.9	3.340	491.7	57	645.0	1.614	7.0				
24	1315.0	3.290	14.3	58	631.0	1.579	5.7				
25	1056.9	2.644	5.7	59	624.6	1.563	9.4				
26	1052.5	2.633	5.9	60	617.1	1.544	7.3				
27	1039.6	2.601	8.2	61	611.0	1.529	10.4				
28	1035.2	2.590	8.0	62	603.6	1.510	7.7				
29	1022.1	2.557	3.4	63	600.7	1.503	4.8				
30	1020.3	2.553	4.6	64	596.1	1.491	4.9				
31	1018.3	2.548	3.6	65	560.6	1.403	3.6				
32	1003.9	2.512	52.2	66	554.4	1.387	4.9				
33	1002.1	2.507	108.4	67	547.2	1.369	6.4				
34	1000.4	2.503	146.1	68	539.8	1.350	4.6				