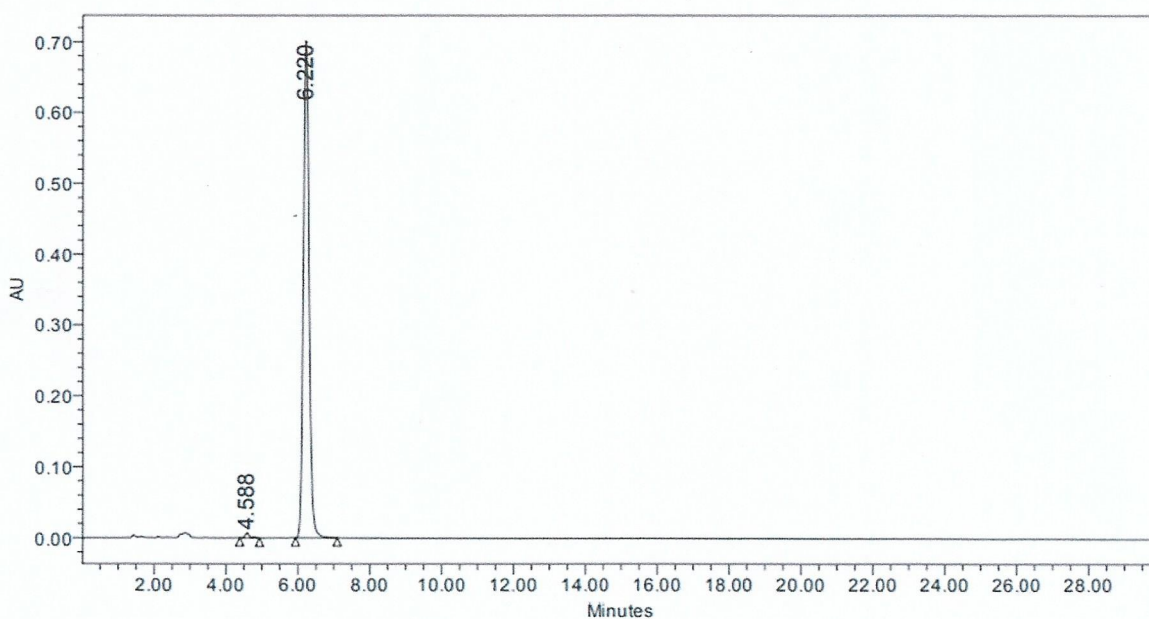


Default Individual Report

SAMPLE INFORMATION

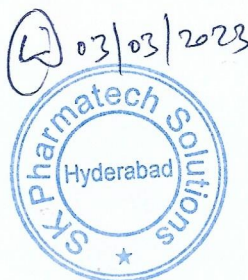
Sample Name:	Dutasteride Impurity F	Acquired By:	System
Sample Type:	SK-PS-22-0242	Sample Set Name:	DUT_20230209
Vial:	3	Acq. Method Set:	DUT_METH
Injection #:	1	Processing Method:	DUT_SPL_PROC
Injection Volume:	10.00 ul	Channel Name:	210.0nm
Run Time:	30.0 Minutes	Proc. Chnl. Descr.:	PDA 210.0 nm
Date Acquired:	2/09/2023 3:27:53 PM IST		
Date Processed:	2/09/2023 4:00:28 PM IST		



	RT	Area	% Area
1	4.588	59703	0.76
2	6.220	7799721	99.24

Reported by User: System
 Report Method: Default Individual Report
 Report Method ID 1286
 6/2/2020Page: 1 of 1

Project Name: 2023-14
 Date Printed:
 2/09/2023
 4:02:38 PM Asia/Calcutta





SK PHARMATECH SOLUTIONS

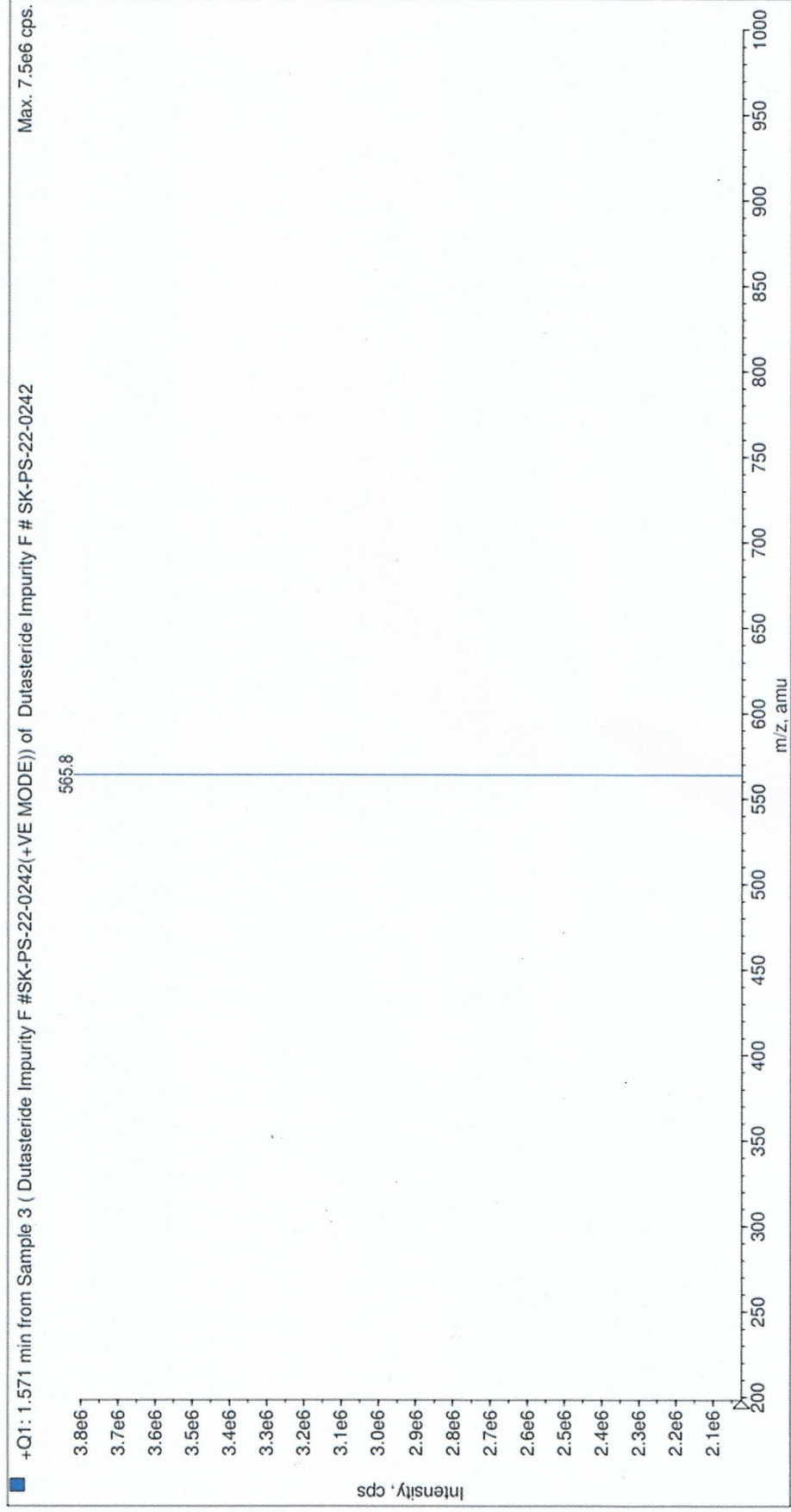
Mobile No. 8341060700

Door No.5-6-122, Sangeetha Nagar, Rao's High School, Kukatpally, Hyderabad -500 072, INDIA
GST No.36APDPL0965P1ZE: PAN No.: APDPL0965P: TAN No. VPNL01703C: MSME: UDYAM-TS-20-0024823
Email: info@skpharmatech.in, website: www.skpharmatech.in

Acq. Date: Thursday, Feb 09, 2023

Sample Name: Dutasteride Impurity F # SK-PS-22-0242(+VE MODE)

Acq. Time: 18:04



03/03/2023



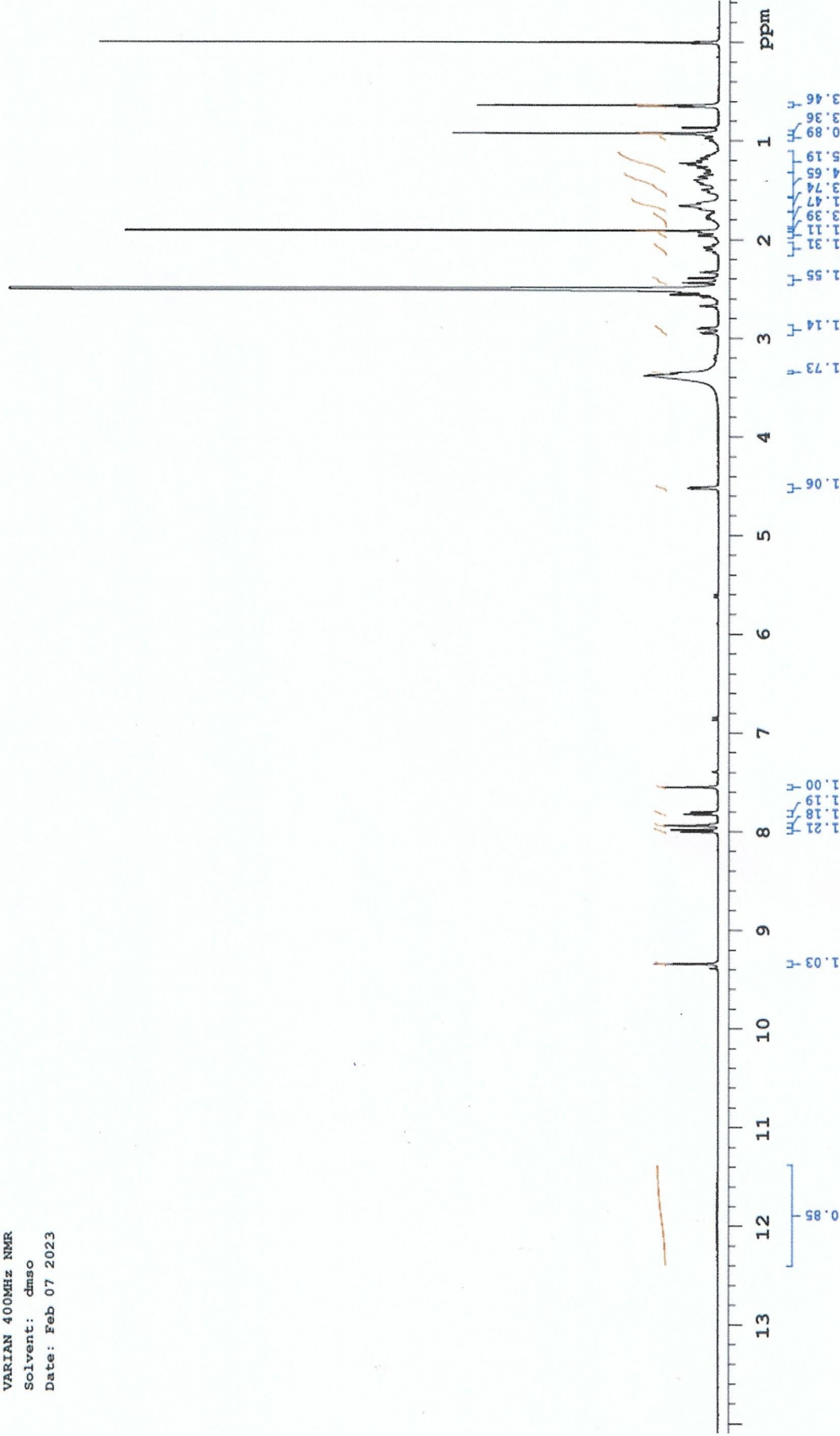
Sample code: SK-PS-22-0242

Dutasteride Impurity F

VARIAN 400MHz NMR

Solvent: dmsd

Date: Feb 07 2023



03/03/2023





SK PHARMATECH SOLUTIONS

Mobile No. 8341060700

Door No.5-6-122, Sangeetha Nagar, Rao's High School, Kukatpally, Hyderabad -500 072, INDIA

GST No.36APDPL0965PIZE: PAN No.: APDPL0965P: TAN No. VTNL01703C: MSME: UDYAM-TS-20-0024823

Email: info@skpharmatech.in, website: www.skpharmatech.in

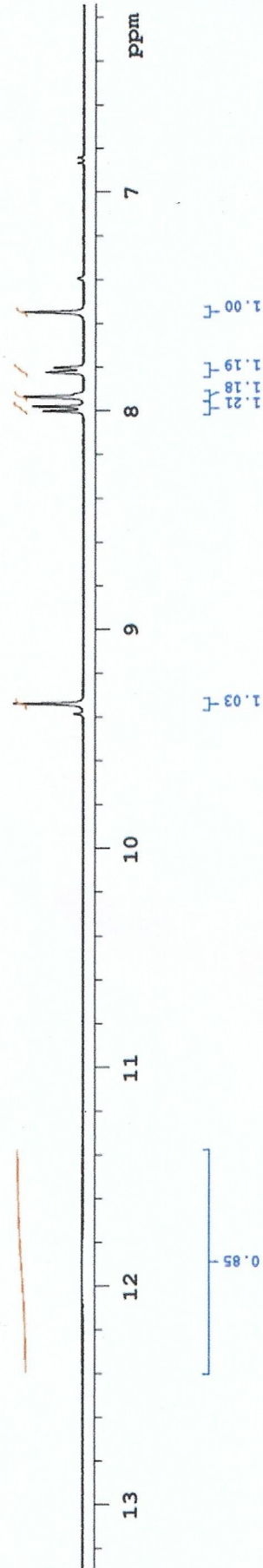
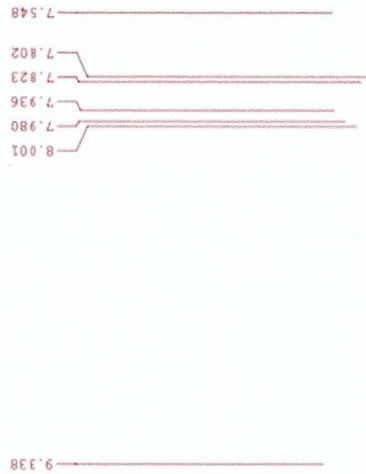
Sample code:SK-PS-22-0242

Dutasteride Impurity F

VARIAN 400MHz NMR

Solvent: dmso

Date: Feb 07 2023



6203/03/2023





SK PHARMATECH SOLUTIONS

Mobile No. 8341060700

Door No.5-6-122, Sangeetha Nagar, Rao's High School, Kukatpally, Hyderabad -500 072, INDIA
GST No.36APDPL0965P1ZE: PAN No.: APDPL0965P: TAN No. VPNL01703C: MSME: UDYAM-TS-20-0024823
Email: info@skpharmatech.in, website: www.skpharmatech.in

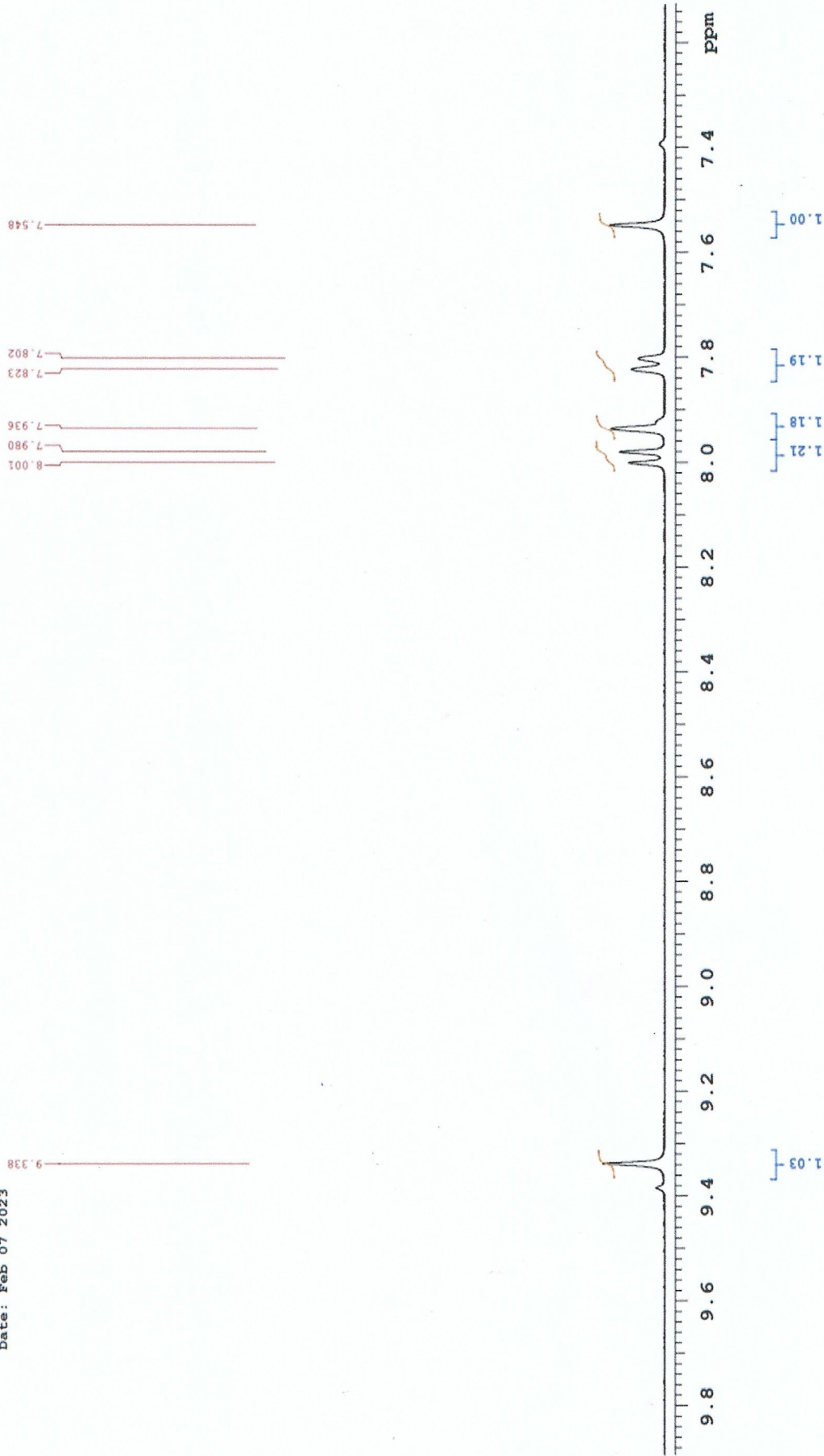
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Dutasteride Impurity F

VARIAN 400MHz NMR

Solvent: dmsd

Date: Feb 07 2023



03/03/2023



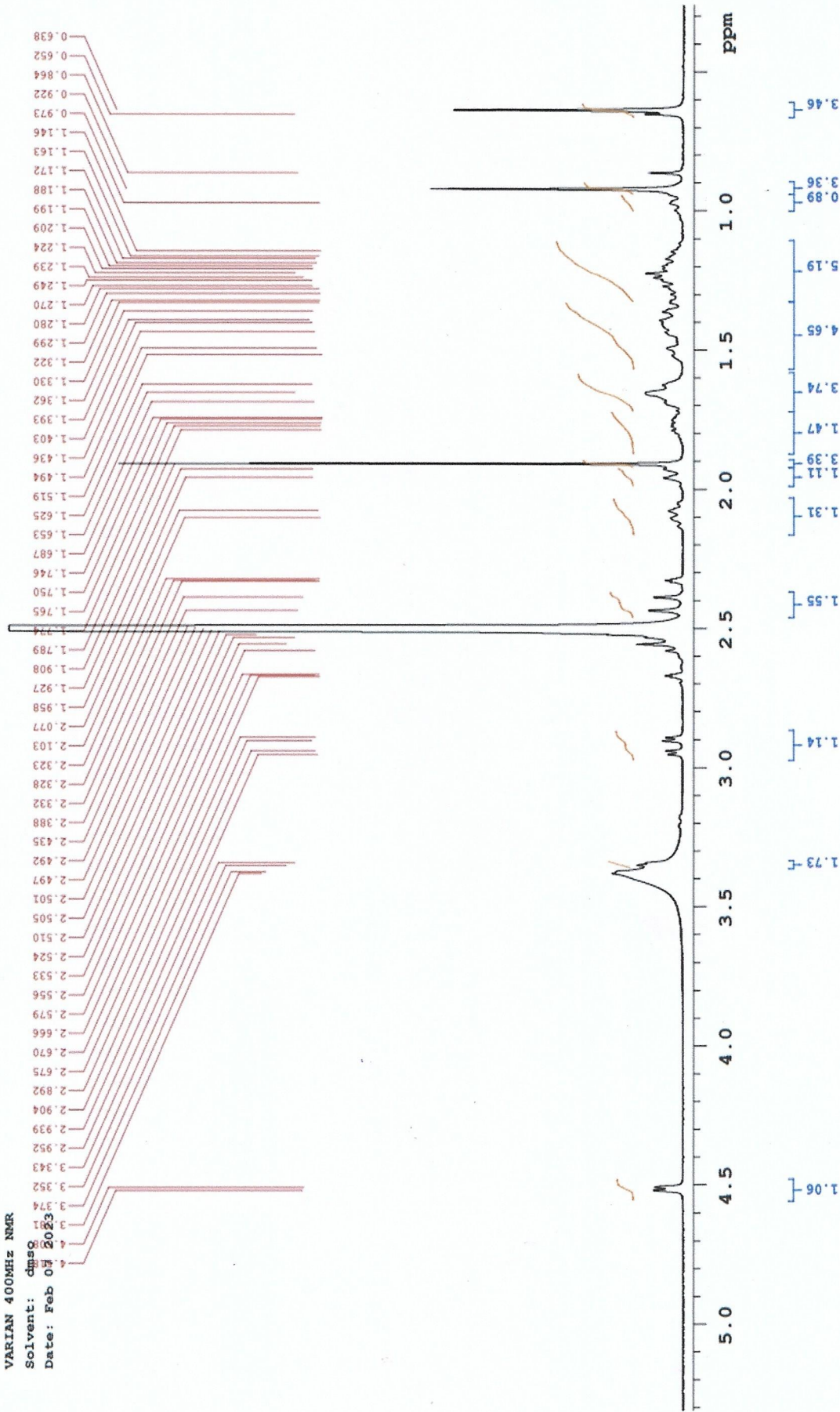
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Dutasteride Impurity F

VARIAN 400MHz NMR

Solvent: *dmso*

Date: Feb 07 2023



03/03/2023



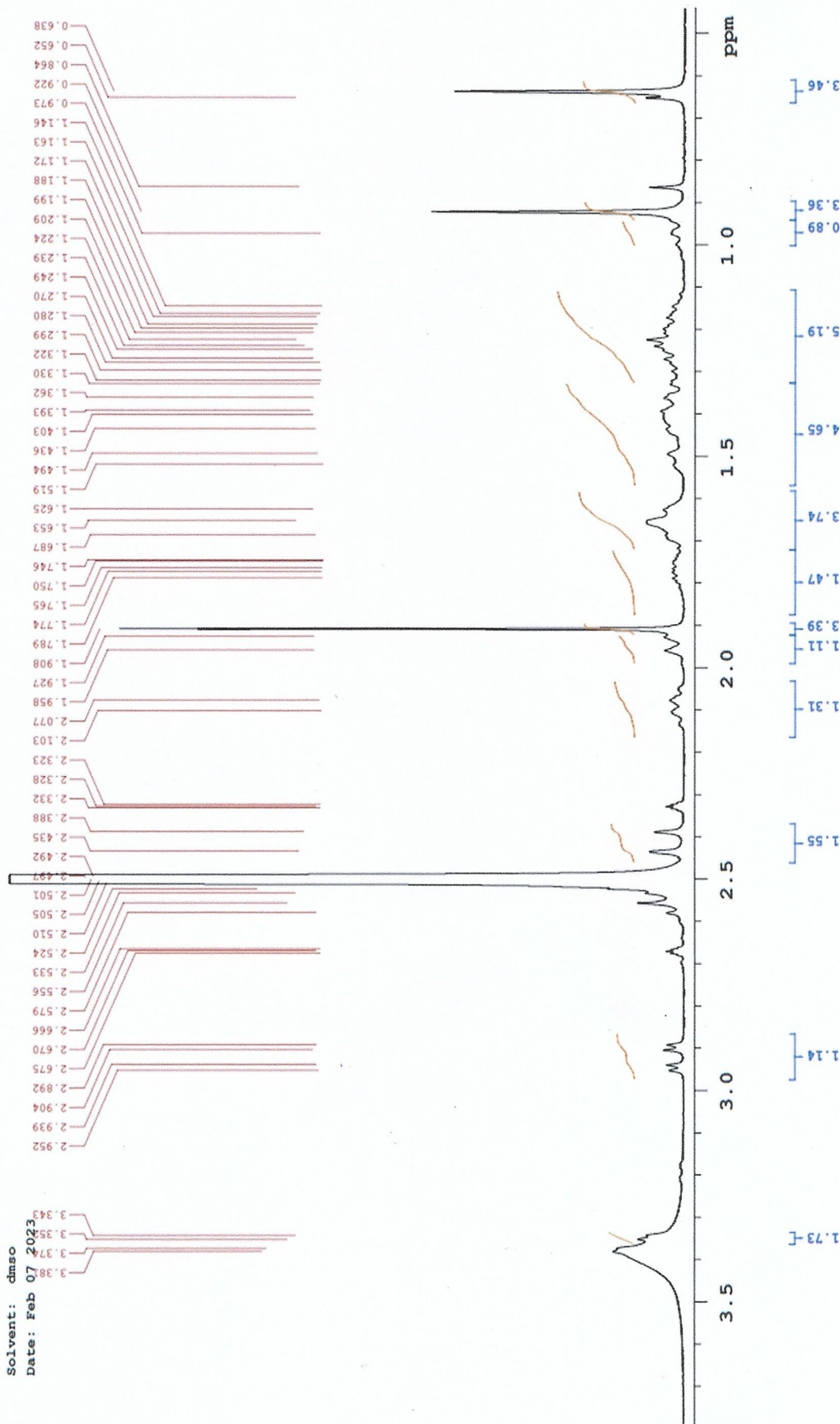
Sample code:SK-ES-22-0242

Dutasteride Impurity F

VARIAN 400MHz NMR

Solvent: dmsO

Date: Feb 07 2023



03/03/2023



Sample code:SK-PS-22-0242

Dutasteride Impurity F

VARIAN 400MHz NMR

Solvent: dmso

Date: Feb 07 2023

INDEX	FREQUENCY	PPM	HEIGHT	INDEX	FREQUENCY	PPM	HEIGHT	INDEX	FREQUENCY	PPM	HEIGHT
1	3733.4	9.338	12.3	35	840.8	2.103	2.6	69	368.8	0.922	50.6
2	3198.9	8.001	7.2	36	830.5	2.077	3.0	70	345.3	0.864	7.1
3	3190.5	7.980	9.0	37	782.9	1.958	4.1	71	260.7	0.652	7.9
4	3173.0	7.936	10.7	38	770.4	1.927	4.1	72	255.0	0.638	46.0
5	3127.6	7.823	6.6	39	762.9	1.908	112.9	73	3.3	0.008	5.3
6	3119.3	7.802	5.3	40	715.1	1.789	2.4	74	-0.0	-0.000	117.8
7	3017.8	7.548	11.0	41	709.2	1.774	2.5	75	-3.3	-0.008	4.9
8	1806.5	4.518	6.0	42	705.5	1.765	2.5				
9	1802.3	4.508	5.8	43	699.8	1.750	2.3				
10	1351.8	3.381	14.3	44	698.0	1.746	2.2				
11	1349.0	3.374	13.5	45	674.4	1.687	3.9				
12	1340.0	3.352	9.3	46	661.0	1.653	7.6				
13	1336.5	3.343	7.6	47	649.8	1.625	4.3				
14	1180.4	2.952	3.1	48	607.3	1.519	2.3				
15	1175.1	2.939	3.6	49	597.4	1.494	3.4				
16	1161.1	2.904	4.3	50	574.0	1.436	3.7				
17	1156.2	2.892	3.5	51	561.0	1.403	4.4				
18	1069.4	2.675	2.8	52	556.9	1.393	4.9				
19	1067.5	2.670	3.7	53	544.6	1.362	4.2				
20	1065.7	2.666	2.8	54	531.6	1.330	2.9				
21	1031.3	2.579	3.6	55	528.4	1.322	2.8				
22	1022.1	2.556	9.4	56	519.1	1.299	2.6				
23	1012.6	2.533	7.8	57	511.7	1.280	2.9				
24	1008.9	2.524	15.4	58	507.7	1.270	4.2				
25	1003.4	2.510	228.3	59	499.4	1.249	4.4				
26	1001.7	2.505	456.9	60	495.5	1.239	6.1				
27	999.9	2.501	614.6	61	489.6	1.224	7.7				
28	998.2	2.497	452.9	62	483.4	1.209	4.2				
29	996.4	2.492	223.5	63	479.2	1.199	4.3				
30	973.4	2.435	7.1	64	475.1	1.188	3.5				
31	954.8	2.388	6.0	65	468.5	1.172	3.6				
32	932.4	2.332	2.8	66	465.0	1.163	2.9				
33	930.7	2.328	3.7	67	458.0	1.146	2.6				
34	928.9	2.323	2.7	68	389.1	0.973	2.8				

03/03/2023





SK PHARMATECH SOLUTIONS

Mobile No. 8341060700

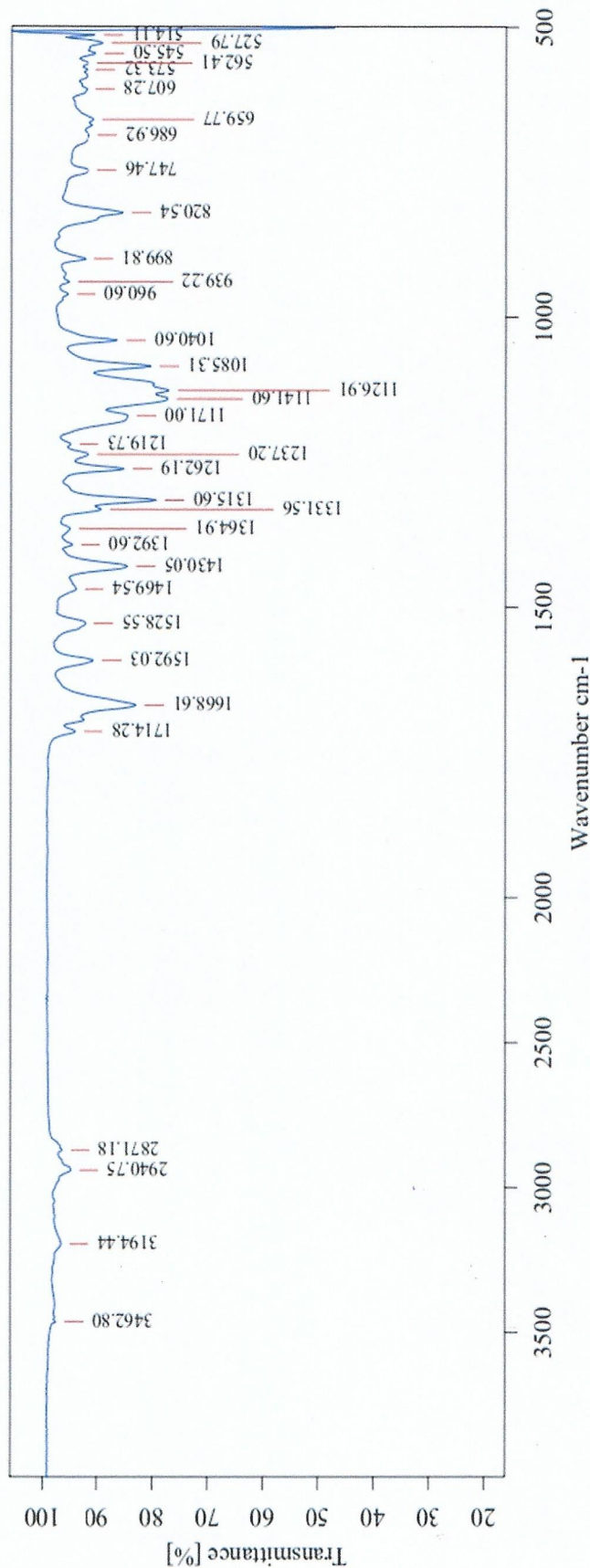
Door No.5-6-122, Sangeetha Nagar, Rao's High School, Kukatpally, Hyderabad -500 072, INDIA

GST No.36APDPL0965PIZE: PAN No.: APDPL0965P: TAN No. VTNL01703C: MSME: UDYAM-TS-20-0024823

Email: info@skpharmatech.in, website: www.skpharmatech.in

INFRARED SPECTRUM

Instrument ID No: AA-ID-002



Sample Name:SK-PS-22-0242

Lot No./Batch No:

Date & Time:11-02-2023,09:17:41

Operator Name:Accu Chemist

Experiment:SPARK130.xpm

Resolution:4

Sample Scans:16

Frequency Range:4000 to 500

Analysed by:

Date:

11-02-2023 09:19:35

Checked by:

Date:

03/03/2023



Peak Picking

Method: Standard

Searched for minima: Yes

Number of peaks: 35

Sensitivity > [%]: 1.000000

From: 4000.000000

to: 400.000000

Absolute peak height > 0.000000

Relative peak height < [%] 0.000000

Absolute peak height < 0.000000

Wavenumber	Abs. intensity	Rel. intensity	Width	Found if threshold < Shoulder
3462.8038	0.975	0.011	2960.1280	1.281587
3194.4391	0.966	0.018	75.9490	2.544721
2940.7499	0.948	0.045	91.8232	7.641756
2871.1808	0.964	0.008	15.1401	1.244458
1714.2771	0.941	0.021	8.5535	3.479960
1668.6068	0.830	0.152	25.8508	25.620495
1592.0316	0.907	0.072	15.6616	11.991726
1528.5519	0.922	0.055	21.6372	9.001537
1469.5357	0.940	0.020	986.2302	2.145267
1430.0480	0.846	0.126	19.0632	20.832741
1392.5954	0.946	0.019	8.1789	3.091773
1364.9124	0.951	0.016	13.6054	2.425164
1331.5607	0.893	0.023	870.5383	1.898488
1315.6021	0.794	0.178	13.2662	29.908422
1262.1922	0.852	0.114	11.2272	19.196644
1237.2014	0.916	0.033	12.9134	4.427789
1219.7327	0.950	0.010	111.1299	1.021628
1171.0007	0.845	0.058	704.9077	6.813260
1141.6024	0.773	0.024	9.1530	3.926619
1126.9058	0.771	0.277	114.5233	38.141735
1085.3106	0.804	0.106	10.1485	17.624058



SK PHARMATECH SOLUTIONS

Door No.5-6-122, Sangeetha Nagar, Rao's High School, Kukatpally, Hyderabad -500 072, INDIA
Mobile No. 8341060700
GST No.36APDPL0965PIZE: PAN No.: APDPL0965P: TAN No. VPNL01703C: MSME: UDYAM-TS-20-0024823
Email: info@skpharmatech.in, website: www.skpharmatech.in

Peak Picking Values

Wavenumber	Abs. intensity	Rel. intensity	Width	Found if threshold < Shoulder
1040.6043	0.864	0.094	9.7511	15.800813
960.5980	0.955	0.017	9.2755	2.581717
939.2234	0.953	0.017	9.4491	2.342378
899.8062	0.923	0.055	11.9534	9.088242
820.5396	0.854	0.139	27.6122	21.215635
747.4591	0.917	0.037	13.2888	5.591426
686.9157	0.917	0.011	51.2104	1.344363
659.7726	0.908	0.043	50.4942	6.606693
607.2767	0.921	0.020	20.9787	2.576832
573.3165	0.920	0.010	6.0570	1.457814
562.4143	0.918	0.018	8.4411	2.889277
545.5014	0.904	0.014	4.8730	2.239807
527.7888	0.892	0.175	207.6033	12.614235
514.1119	0.906	0.104	10.1397	9.412330

03/02/2023





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Mobile No. 8341060700

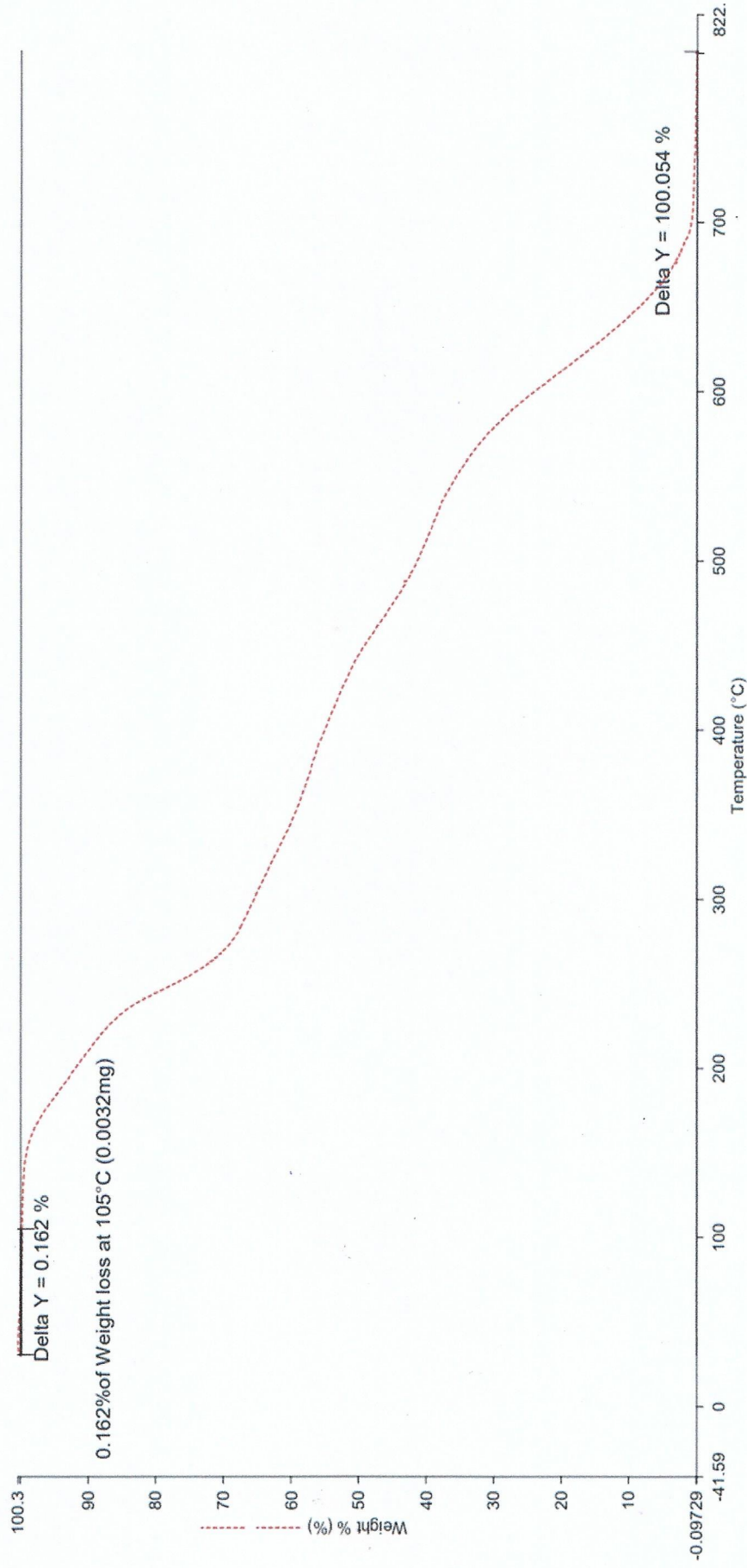
Door No.5-6-122, Sangeetha Nagar, Rao's High School, Kukatpally, Hyderabad -500 072, INDIA

GST No.36APDPL0965PIZE: PAN No.: APDPL0965P: TAN No. VPNL01703C: MSME: UDYAM-TS-20-0024823

Email: info@skpharmatech.in, website: www.skpharmatech.in

Filename: C:\Program Files\SK-PS-22-0242.t6d
Data Collected: 11-02-2023 16:14:48 Pyris
Operator ID: Administrator
Sample ID: SK-PS-22-0242
Sample Weight: 2.005 mg
Firmware Version: 13.4.0.0036
Comment:

SK-PS-22-0242:SK-PS-22-0242
Weight % (%) : Steps: 1-2



1) Heat from 30.00°C to 800.00°C at 20.00°C/min

2) Hold for 1.0 min at 800.00°C

11-02-2023 17:18:36

03/03/2023



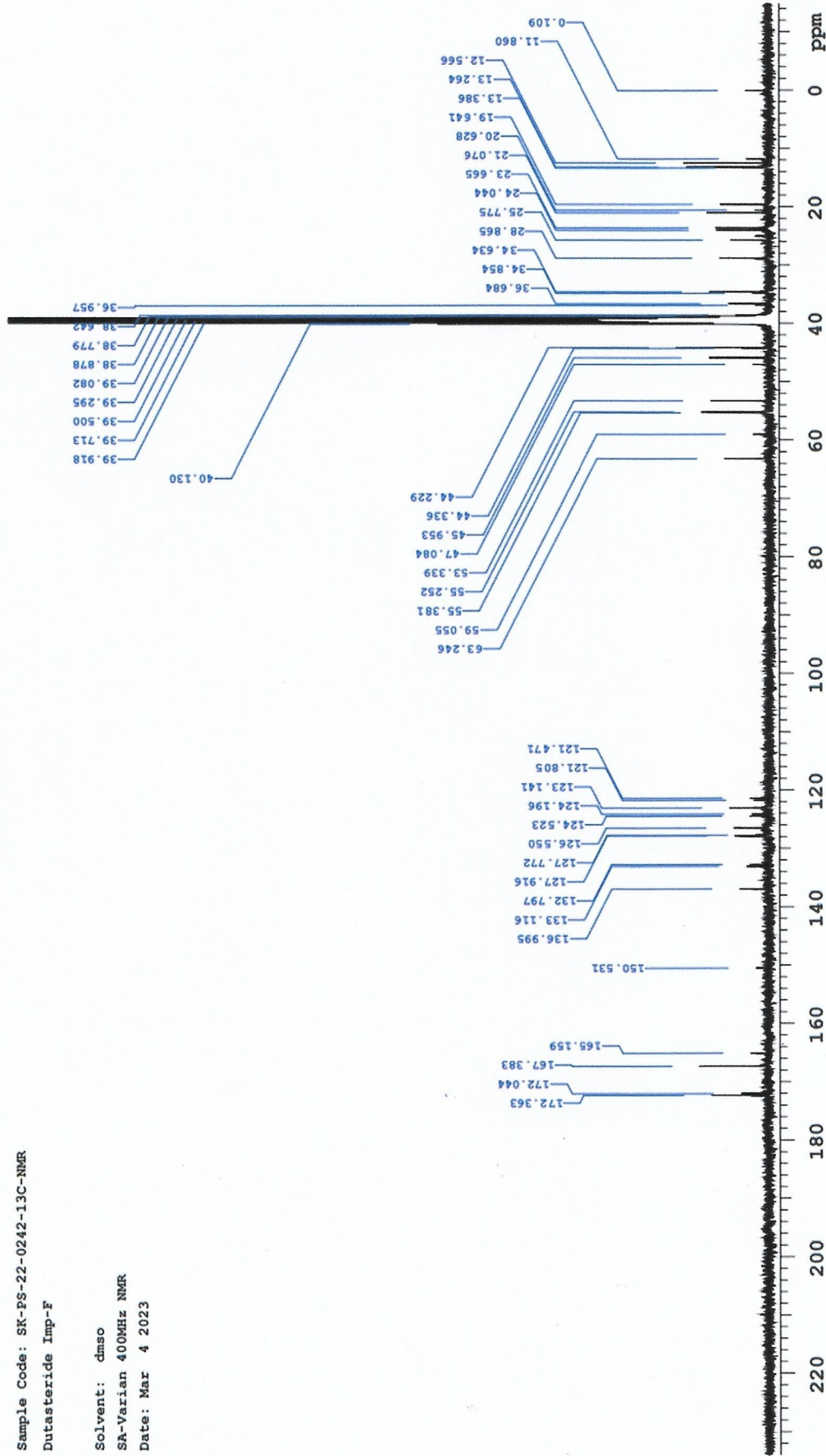
Sample Code: SK-PS-22-0242-13C-NMR

Dutasteride Imp-F

Solvent: dmsO

SA-Varian 400MHz NMR

Date: Mar 4 2023



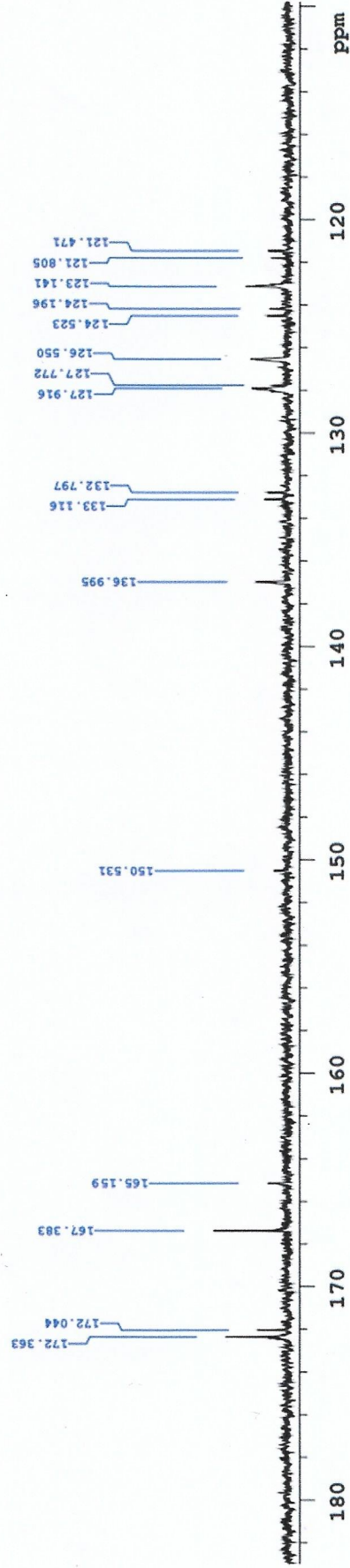
06/03/23



Sample Code: SK-PS-22-0242-13C-NMR

Dutasteride Imp-F

Solvent: dmsd
 SA-Varian 400MHz NMR
 Date: Mar 4 2023



06/03/2023



Plotname: SK-PS-22-0242-13C-NMR CARBON_20230304_01_plot02

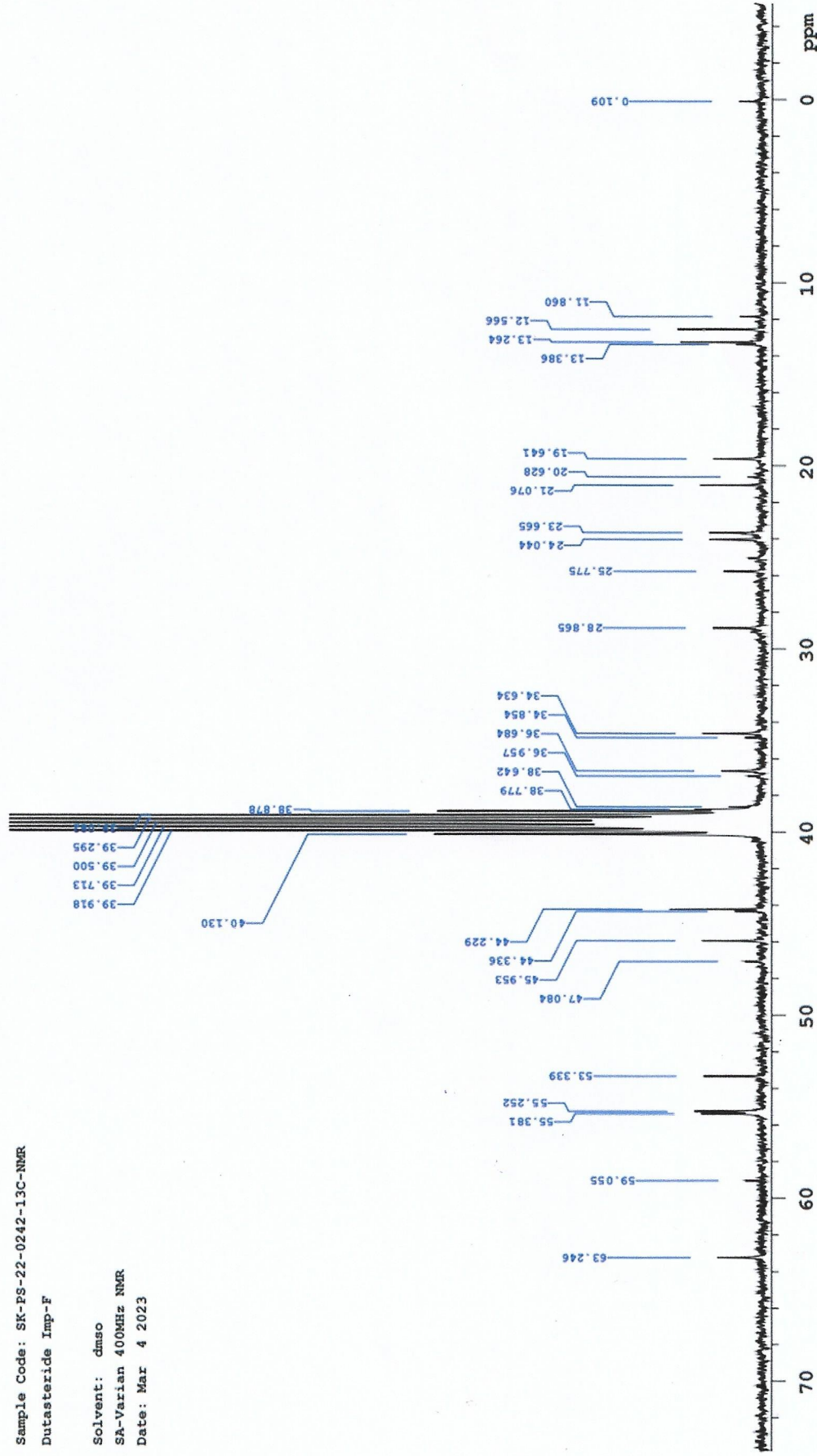
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Dutasteride Imp-F

Solvent: dmsd

SA-Varian 400MHz NMR

Date: Mar 4 2023



06/03/2023



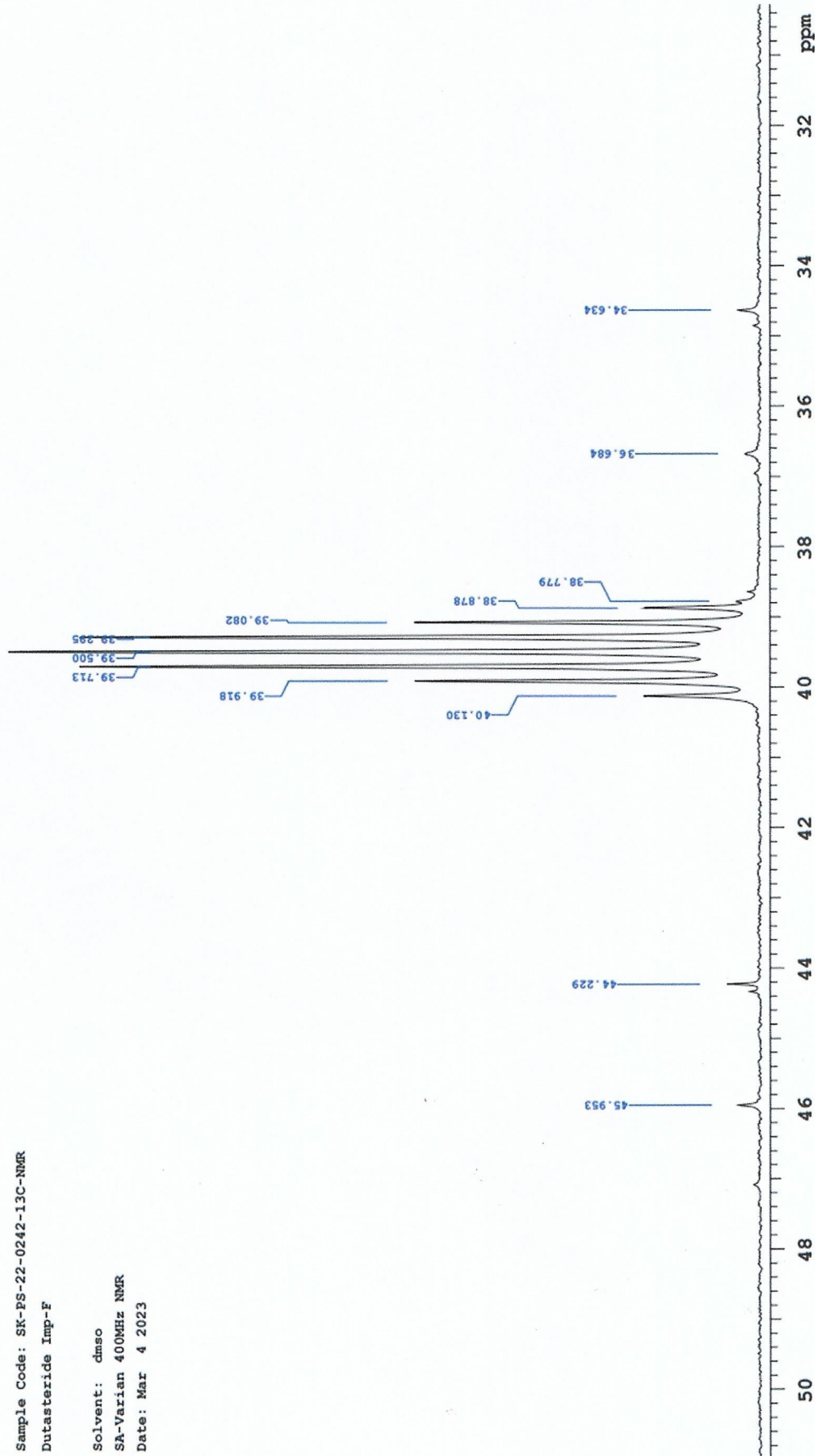
Sample Code: SK-PS-22-0242-13C-NMR

Dutasteride Imp-F

Solvent: dmsO

SA-Varian 400MHz NMR

Date: Mar 4 2023



Dutasteride Imp-F

exp10 CARBON

SAMPLE PRESATURATION
date Mar 4 2023 satmode n
solvent dmsc wet n
file /home/varian/~ SPECIAL
data/2023/Mar/SK-P~ temp 25.0
S-22-0242-13C-NMR ~ gain 60
20230304_01/SK-PS~ spin 20
22-0242-13C-NMR_CA~ hst 0.008
REON_20230304_01.f~ pw90 9.500
id alfa 10.000

ACQUISITION FLAGS

sw 25000.0 il n
at 1.311 in n
np 65536 dp y
fb 17000 hs nn
bs 4 PROCESSING
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dl 3.000 fn not used
nt 3000 DISPLAY
ct 1060 sp -1487.5
tn C13 rf1 24999.2
sfrq 100.513 rfp 1488.3
tof 1530.4 rp 71.4
tpwr 56 lp 0
pw 4.750 PLOT
DECOUPLER wc 268
dn H1 sc 0
dof 0 vs 415
dm yvy th 2
decwave w nm ph
dpwr 44
dmf 9479

INDEX	FREQUENCY PPM	HEIGHT	INDEX	FREQUENCY PPM	HEIGHT
1	17322.8	172.363	33	3897.3	38.779
2	17290.7	172.044	34	3883.6	38.642
3	16822.3	167.383	35	3714.2	36.957
4	16598.8	165.159	36	3686.8	36.684
5	15128.6	150.531	37	3502.9	34.854
6	13768.2	136.995	38	3480.8	34.634
7	13378.4	133.116	39	2900.9	28.865
8	13346.3	132.797	40	2590.4	25.775
9	12855.8	127.916	41	2416.5	24.044
10	12841.3	127.772	42	2378.3	23.665
11	12718.4	126.550	43	2118.2	21.076
12	12514.7	124.523	44	2073.1	20.628
13	12481.9	124.196	45	1974.0	19.641
14	12375.9	123.141	46	1345.3	13.386
15	12241.6	121.805	47	1333.1	13.264
16	12208.0	121.471	48	1262.9	12.566
17	6356.3	63.246	49	1192.0	11.860
18	5935.1	59.055	50	10.9	0.109
19	5565.9	55.381			
20	5552.9	55.252			
21	5360.7	53.339			
22	4732.0	47.084			
23	4618.3	45.953			
24	4455.8	44.336			
25	4445.1	44.229			
26	4033.1	40.130			
27	4011.8	39.918			
28	3991.2	39.713			
29	3969.8	39.500			
30	3949.2	39.295			
31	3927.9	39.082			
32	3907.3	38.878			

06/03/2023

