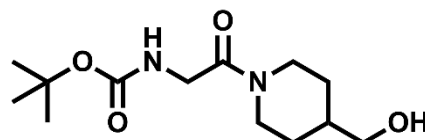


Certificate of Analysis (COA)

Compound Information

Product Name	1,1-Dimethylethyl N-[2-[4-(hydroxymethyl)-1-piperidiny]-2-oxoethyl]carbamate
Catalogue No.	CAD440
CAS No.	2376898-47-2
Molecular Formula	C ₁₃ H ₂₄ N ₂ O ₄
Molecular Weight	272.34



Batch Information

Lot No.	US-31-01-A
Date of Manufacture	22-Jul-26
Report Date	23-Jul-26
Retest Date	23-Jan-27
Storage Condition	2-8 °C
Shipment Condition	2-8 °C

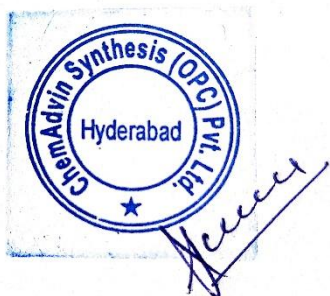
Analytical Test Information

Test Items

Physical Appearance
Structure

Test Results

White Solid
Confirmed based on 1H NMR



Note: For R&D only - not for drug, household or other uses!

ChemAdvin Synthesis Pvt. Ltd.

First Floor, Plot No. 81, Shed No. 19, Lane 4, Phase-1,
IDA Cherlapally, Kapra Mandal, Medchal-Malkajgiri District, Telangana-500051;
Mobile: +91-81432 81308; Email: sales@chemadvin.com; Website: www.chemadvin.com

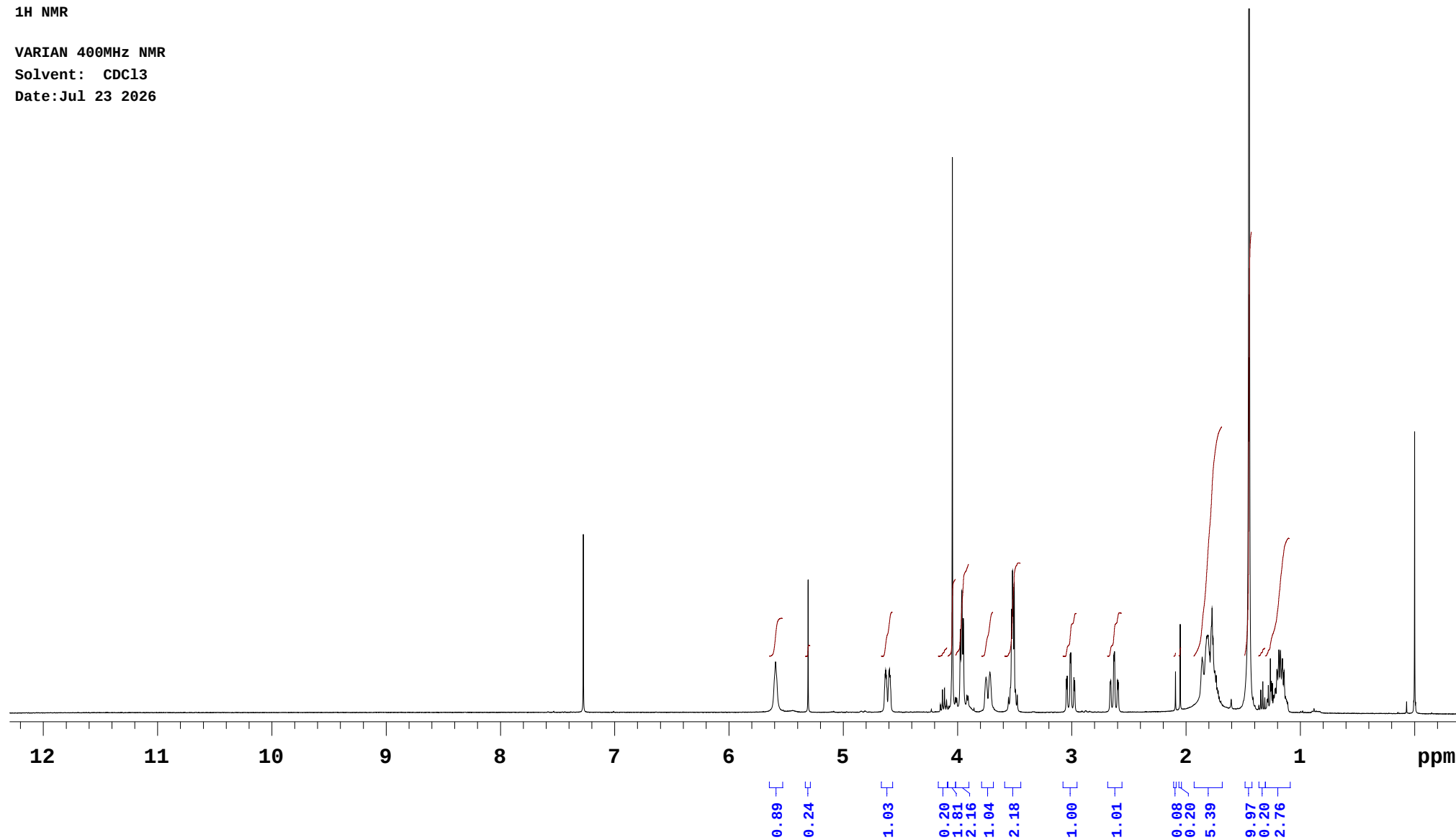
Sample code:US-31-01-A

¹H NMR

VARIAN 400MHz NMR

Solvent: CDCl₃

Date:Jul 23 2026



Plotname: US-31-01-A_PROTON_20260723_01_plot01

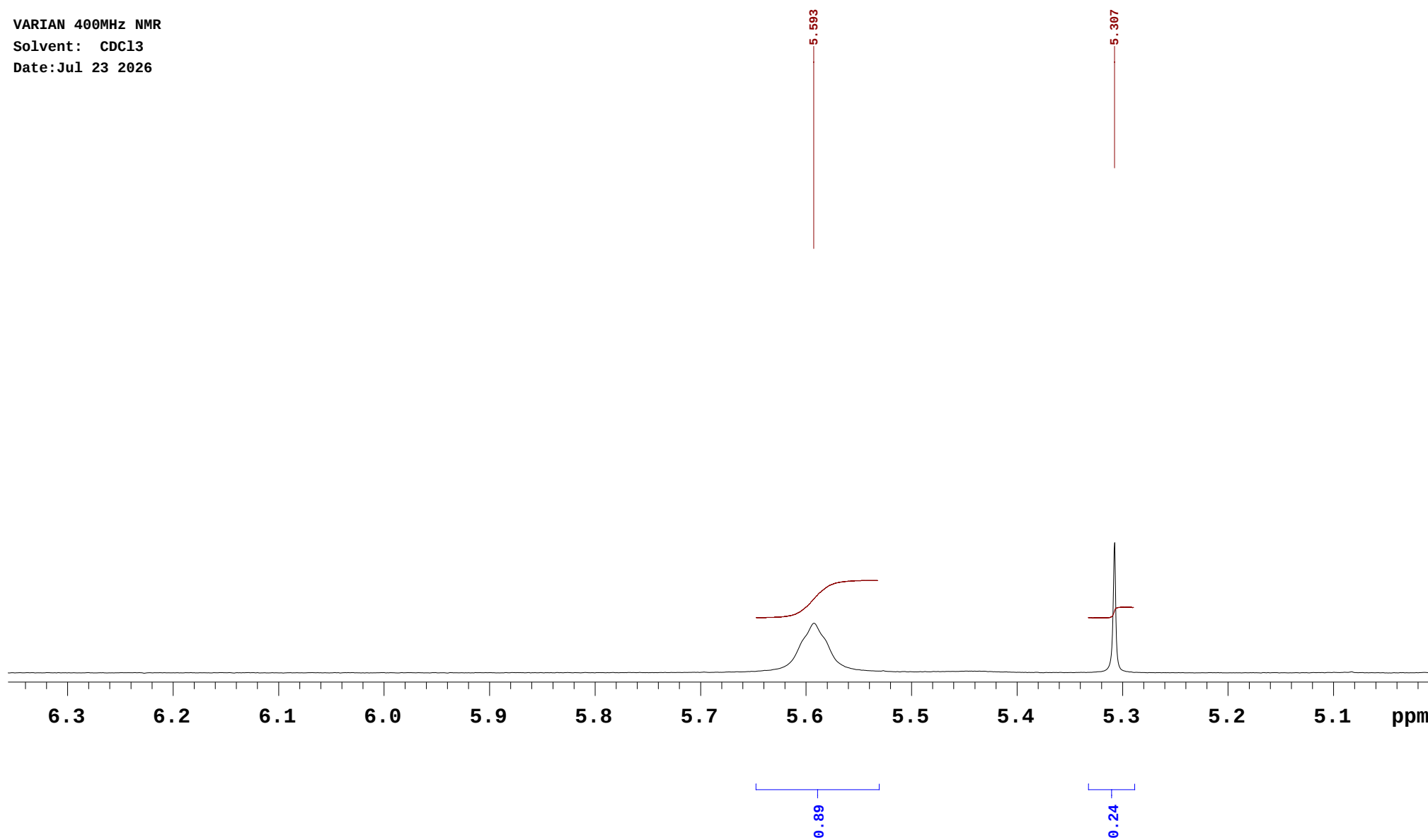
Sample code:US-31-01-A

¹H NMR

VARIAN 400MHz NMR

Solvent: CDCl₃

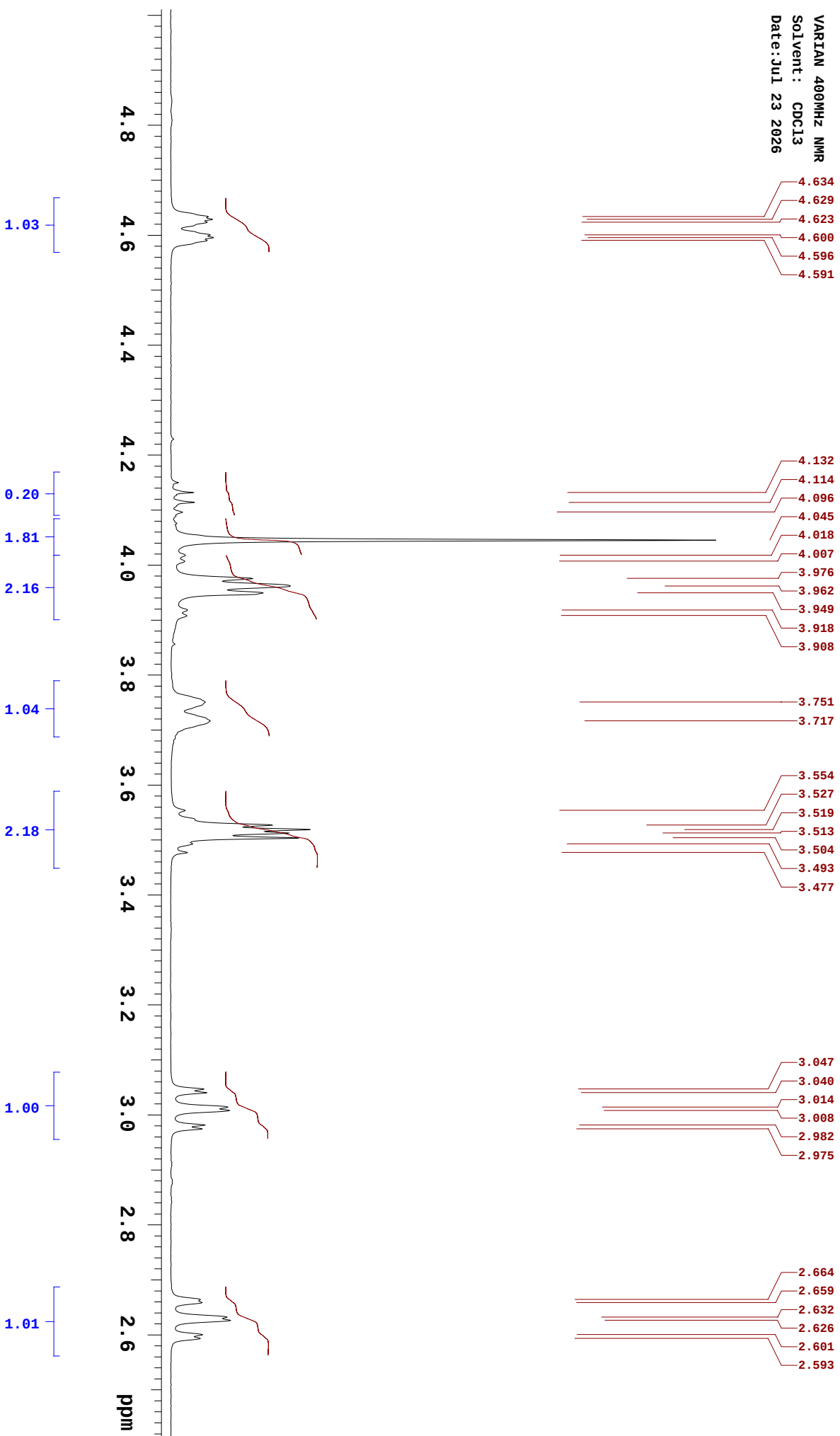
Date:Jul 23 2026



Plotname: US-31-01-A_PROTON_20260723_01_plot02

Sample code: US-31-01-A
1H NMR

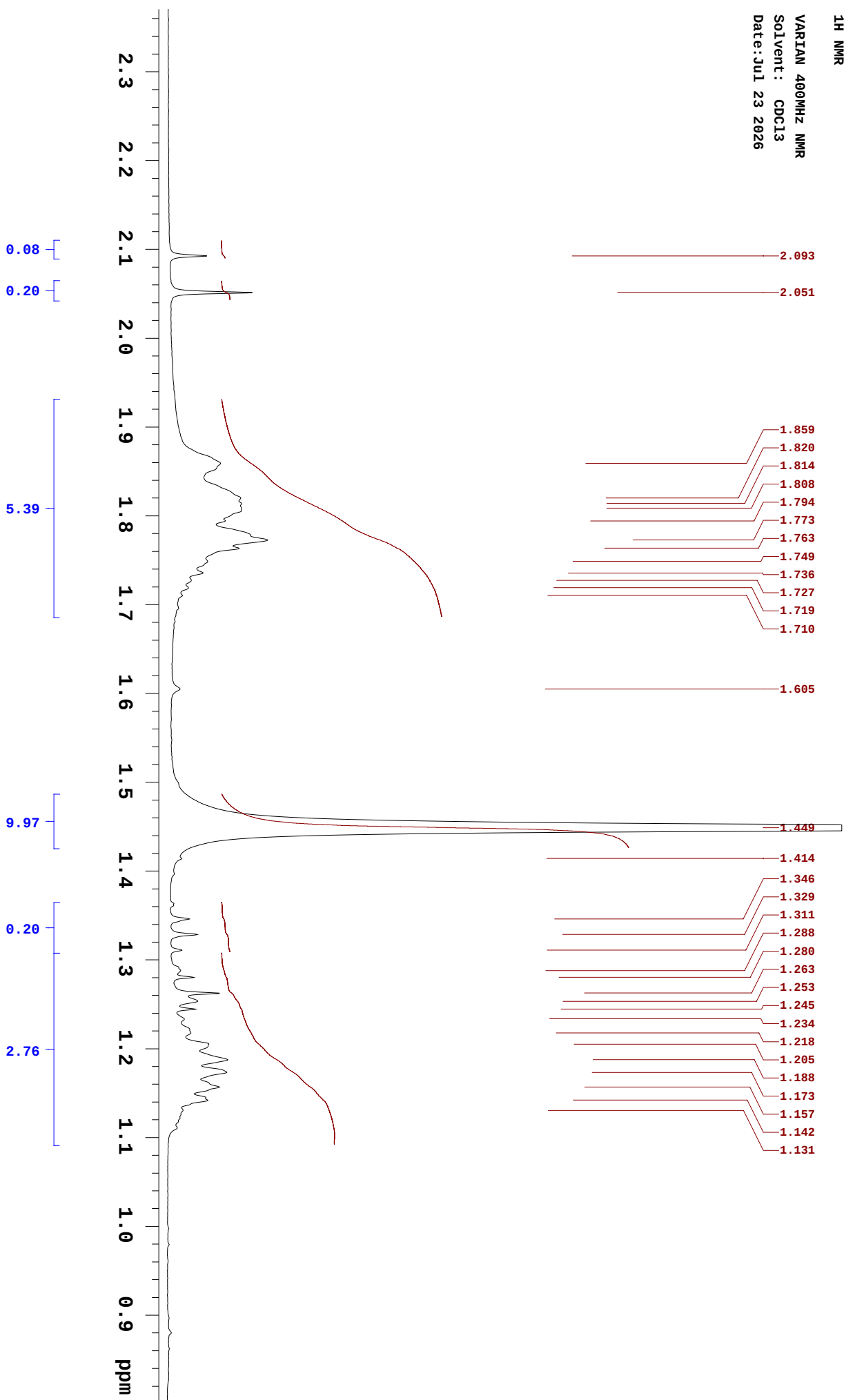
VARIAN 400MHz NMR
Solvent: CDCl3
Date: Jul 23 2026



Plotname: US-31-01-A_PROTON_20260723_01_plot03

Sample code: US-31-01-A
1H NMR

VARIAN 400MHz NMR
Solvent: CDCl3
Date: Jul 23 2026



Sample code:US-31-01-A

VARIAN 400MHz NMR

Solvent: CDC13

Date:Jul 23 2026

INDEX	FREQUENCY	PPM	HEIGHT	INDEX	FREQUENCY	PPM	HEIGHT	INDEX	FREQUENCY	PPM	HEIGHT
1	2907.7	7.275	32.4	33	1202.3	3.008	10.7	65	501.0	1.253	5.4
2	2235.3	5.593	9.0	34	1191.8	2.982	6.1	66	497.4	1.245	5.1
3	2121.3	5.307	24.1	35	1188.9	2.975	5.6	67	493.1	1.234	2.9
4	1852.1	4.634	6.7	36	1064.8	2.664	5.3	68	486.7	1.218	4.1
5	1850.1	4.629	7.5	37	1062.6	2.659	5.6	69	481.7	1.205	7.6
6	1847.9	4.623	6.5	38	1052.1	2.632	10.2	70	474.6	1.188	11.2
7	1838.7	4.600	7.1	39	1049.7	2.626	10.9	71	468.9	1.173	11.0
8	1836.8	4.596	7.7	40	1039.4	2.601	5.7	72	462.4	1.157	9.6
9	1834.8	4.591	6.5	41	1036.5	2.593	5.2	73	456.4	1.142	7.4
10	1651.5	4.132	3.9	42	836.4	2.093	7.2	74	451.8	1.131	2.6
11	1644.3	4.114	4.1	43	819.9	2.051	15.9	75	-0.0	-0.000	51.3
12	1637.3	4.096	1.9	44	743.0	1.859	9.8				
13	1616.9	4.045	101.6	45	727.4	1.820	13.7				
14	1605.9	4.018	2.5	46	725.0	1.814	13.8				
15	1601.5	4.007	2.3	47	722.8	1.808	13.8				
16	1589.0	3.976	15.0	48	717.1	1.794	10.7				
17	1583.5	3.962	22.1	49	708.6	1.773	18.8				
18	1578.5	3.949	17.0	50	704.8	1.763	13.4				
19	1566.0	3.918	2.9	51	698.9	1.749	7.3				
20	1562.1	3.908	2.7	52	693.7	1.736	6.5				
21	1499.1	3.751	6.2	53	690.4	1.727	4.2				
22	1485.5	3.717	7.1	54	687.1	1.719	3.7				
23	1420.4	3.554	2.4	55	683.6	1.710	2.5				
24	1409.7	3.527	18.7	56	641.5	1.605	2.0				
25	1406.4	3.519	25.8	57	579.0	1.449	390.4				
26	1404.0	3.513	21.7	58	565.2	1.414	2.4				
27	1400.5	3.504	23.6	59	538.0	1.346	3.8				
28	1396.1	3.493	3.8	60	531.0	1.329	5.4				
29	1389.7	3.477	2.8	61	524.0	1.311	2.4				
30	1217.9	3.047	5.9	62	514.8	1.288	2.2				
31	1215.2	3.040	6.4	63	511.7	1.280	4.7				
32	1204.7	3.014	10.4	64	504.7	1.263	9.6				