

Name:	Budesonide-D8
Lot#:	GR-7-131
Test Date:	08/11/2025 (re-test date:08/11/2030)
CAS No.:	1105542-94-6
MF:	C ₂₅ H ₂₆ D ₈ O ₆
MW:	438.58
Appearance:	White Solid
Purity:	97.7 % by HPLC (average of two sample preparations; sum of two isomers); >98% atom D
¹H-NMR:	Conforms
MS-ESI (+)	Conforms (shows peaks at m/z = 439.29 [M+H] ⁺ , 421.28 [M-H ₂ O+H] ⁺)
Storage	Store at -18°C in a dry place away from direct sunlight

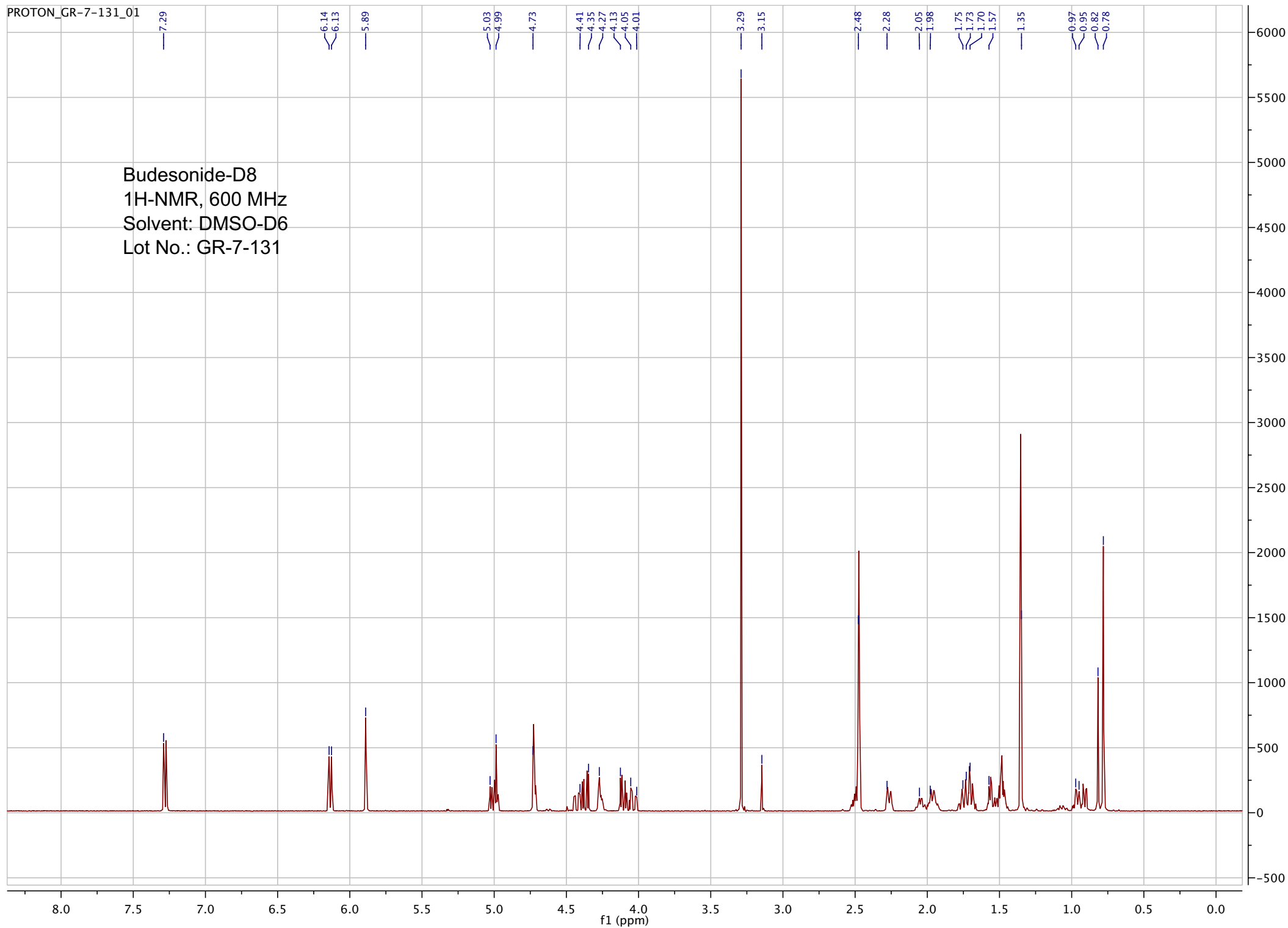
Approved by:

Date: 08/11/2025

Viorica Rusu, QC/QA Manager

PROTON_GR-7-131_01

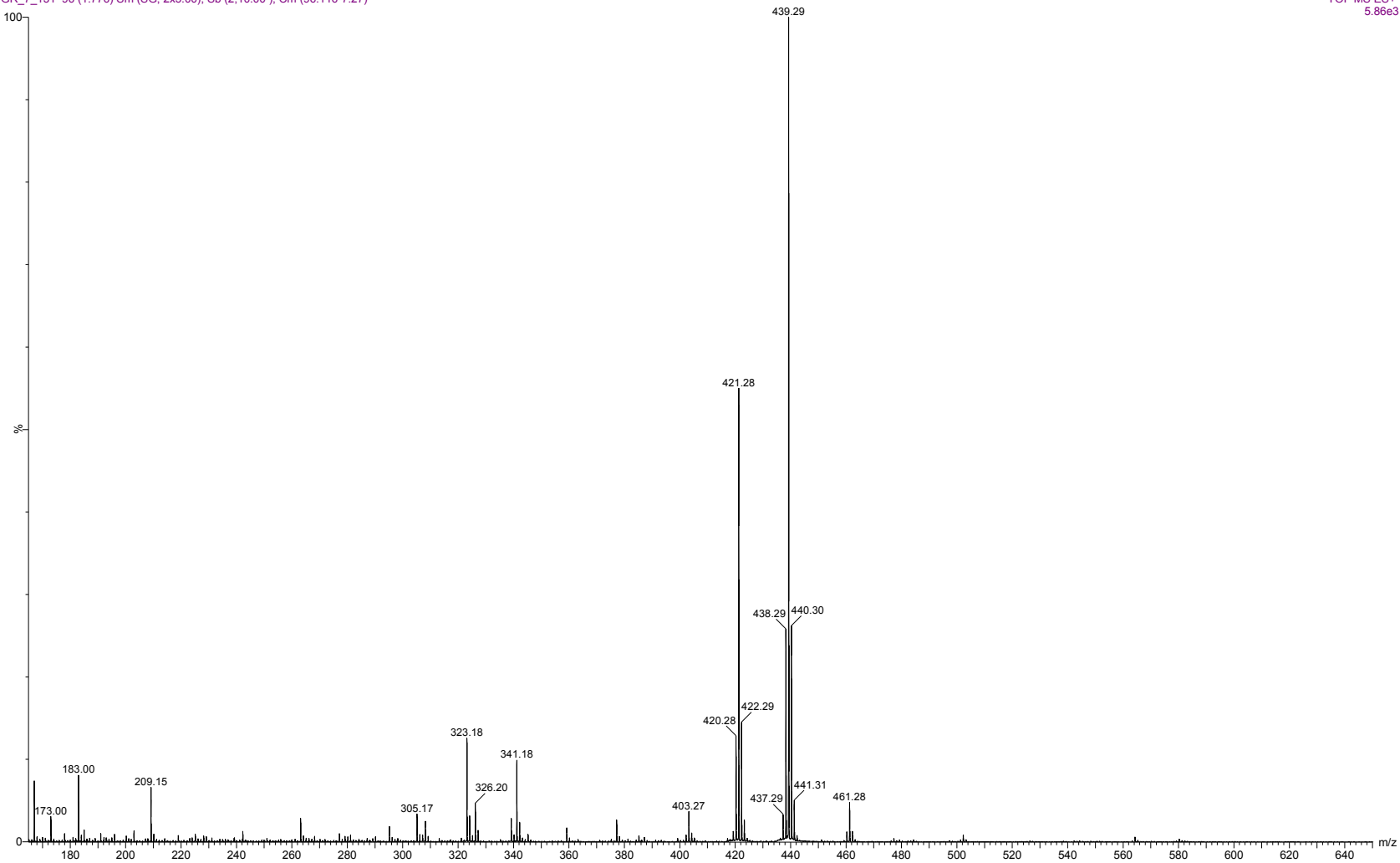
Budesonide-D8
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-7-131



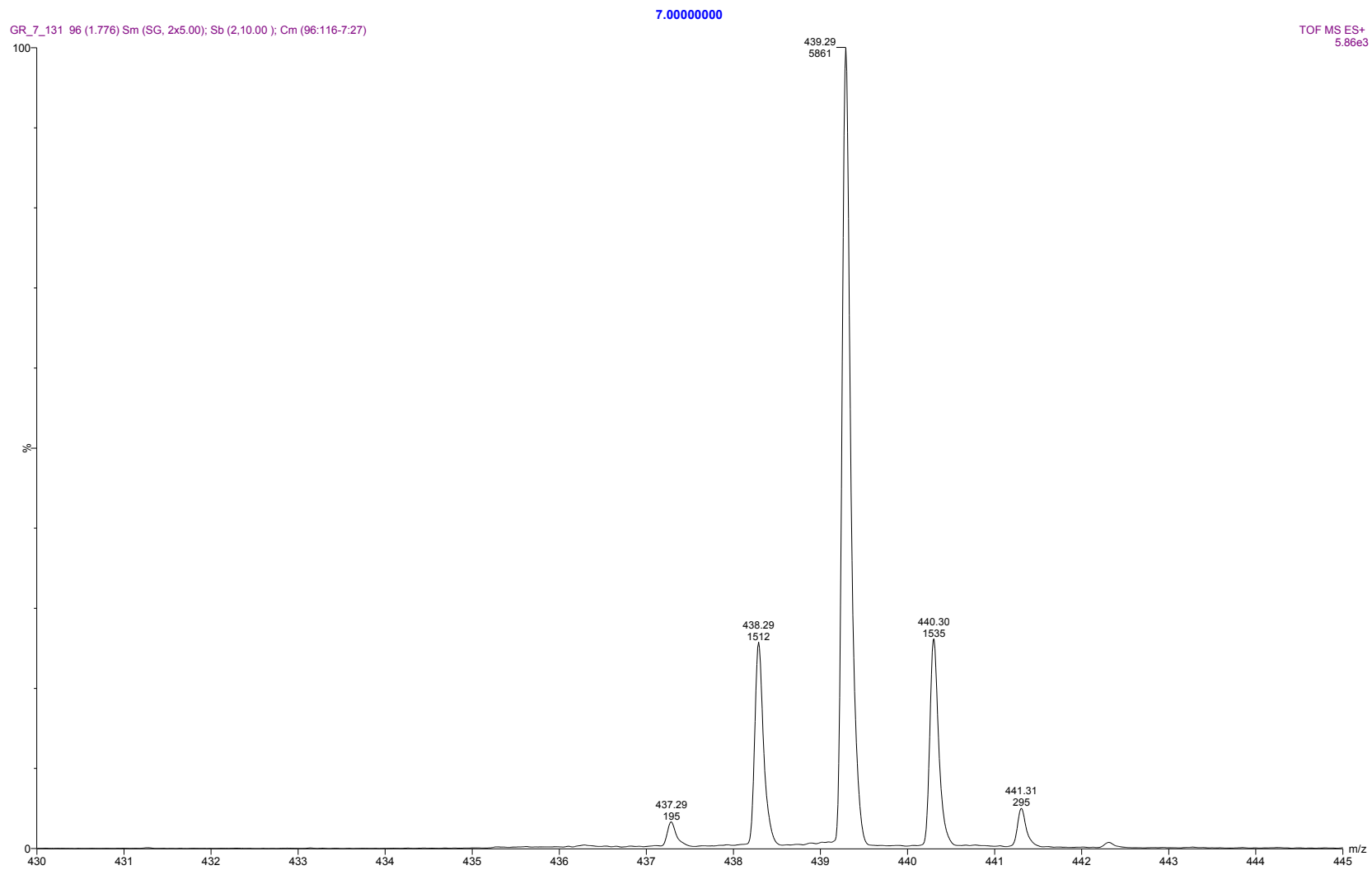
GR_7_131 96 (1.776) Sm (SG, 2x5.00); Sb (2,10.00); Cm (96:116-7:27)

7.00000000

TOF MS ES+
5.86e3



ESI-MS spectrum for sample GR-7-131. Shows monoisotopic [M+H]⁺ mass.



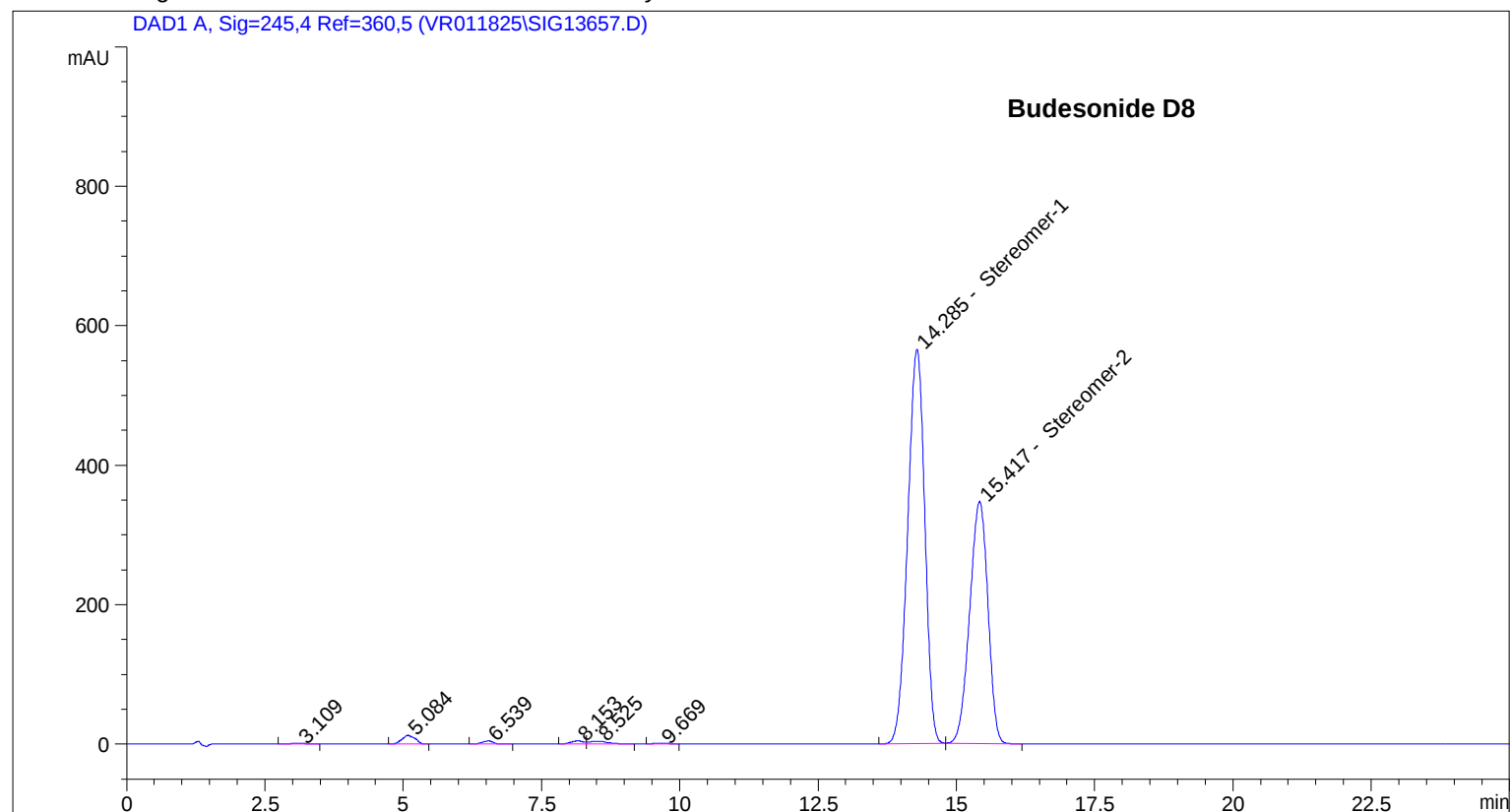
Expansion of the above.

Sample Name: GR-7-131 spl-2

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Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 18
Injection Date : 8/11/2025 1:53:47 PM Inj Volume : 20.0 µl

Acq. Method : C:\CHEM32\1\METHODS\VR081125_131.M
Last changed : 8/11/2025 1:52:25 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR081125_131PM.M
Last changed : 8/11/2025 2:35:51 PM by vrusu



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 8/11/2025 2:34:54 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=245,4 Ref=360,5

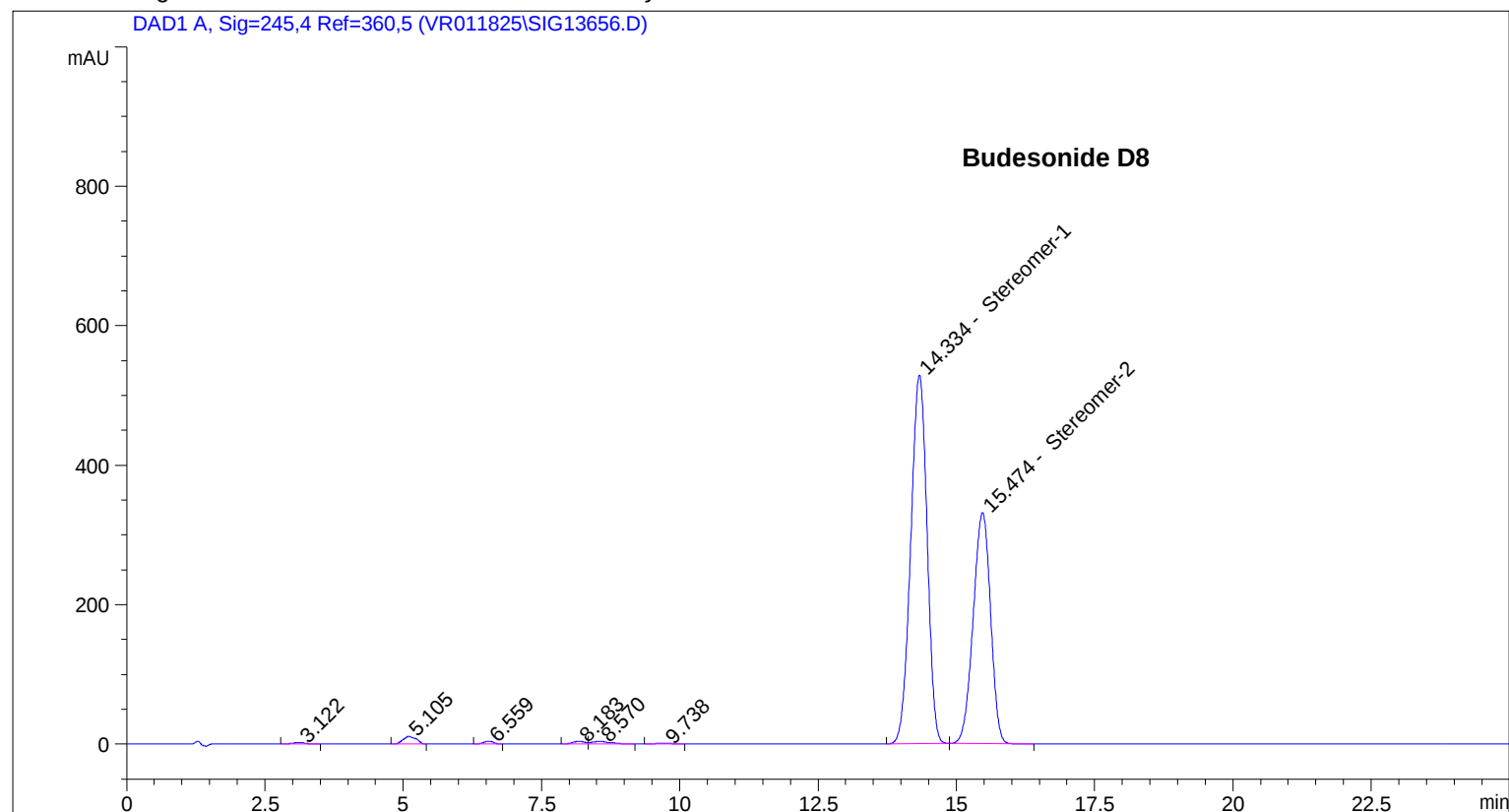
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.109	BB	0.2038	20.88070	0.1016	?
2	5.084	BB	0.2294	203.23236	0.9893	?
3	6.539	BB	0.2262	61.43375	0.2991	?
4	8.153	BV	0.2353	73.29053	0.3568	?
5	8.525	VB	0.3179	96.66091	0.4705	?
6	9.669	BB	0.2128	20.03078	0.0975	?
7	14.285	BB	0.3381	1.21210e4	59.0032	Stereomer-1
8	15.417	BB	0.3613	7946.39893	38.6820	Stereomer-2

Sample Name: GR-7-131 spl-2

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
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Totals :				2.05429e4		

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*** End of Report ***

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Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 17
Injection Date : 8/11/2025 1:23:09 PM Inj Volume : 20.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR081125_131.M
Last changed : 8/11/2025 1:21:57 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR081125_131PM.M
Last changed : 8/11/2025 2:35:51 PM by vrusu



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Area Percent Report
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Sorted By : Signal
Calib. Data Modified : 8/11/2025 2:34:54 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=245,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.122	BB	0.2116	32.01910	0.1726	?
2	5.105	BB	0.2287	179.11482	0.9655	?
3	6.559	BB	0.1926	50.48428	0.2721	?
4	8.183	BV	0.2328	61.44535	0.3312	?
5	8.570	VB	0.3084	90.52742	0.4880	?
6	9.738	BB	0.2382	26.16234	0.1410	?
7	14.334	BB	0.3240	1.08778e4	58.6348	Stereomer-1
8	15.474	BB	0.3425	7234.22900	38.9948	Stereomer-2

Sample Name: GR-7-131

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
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Totals :				1.85518e4		

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*** End of Report ***