

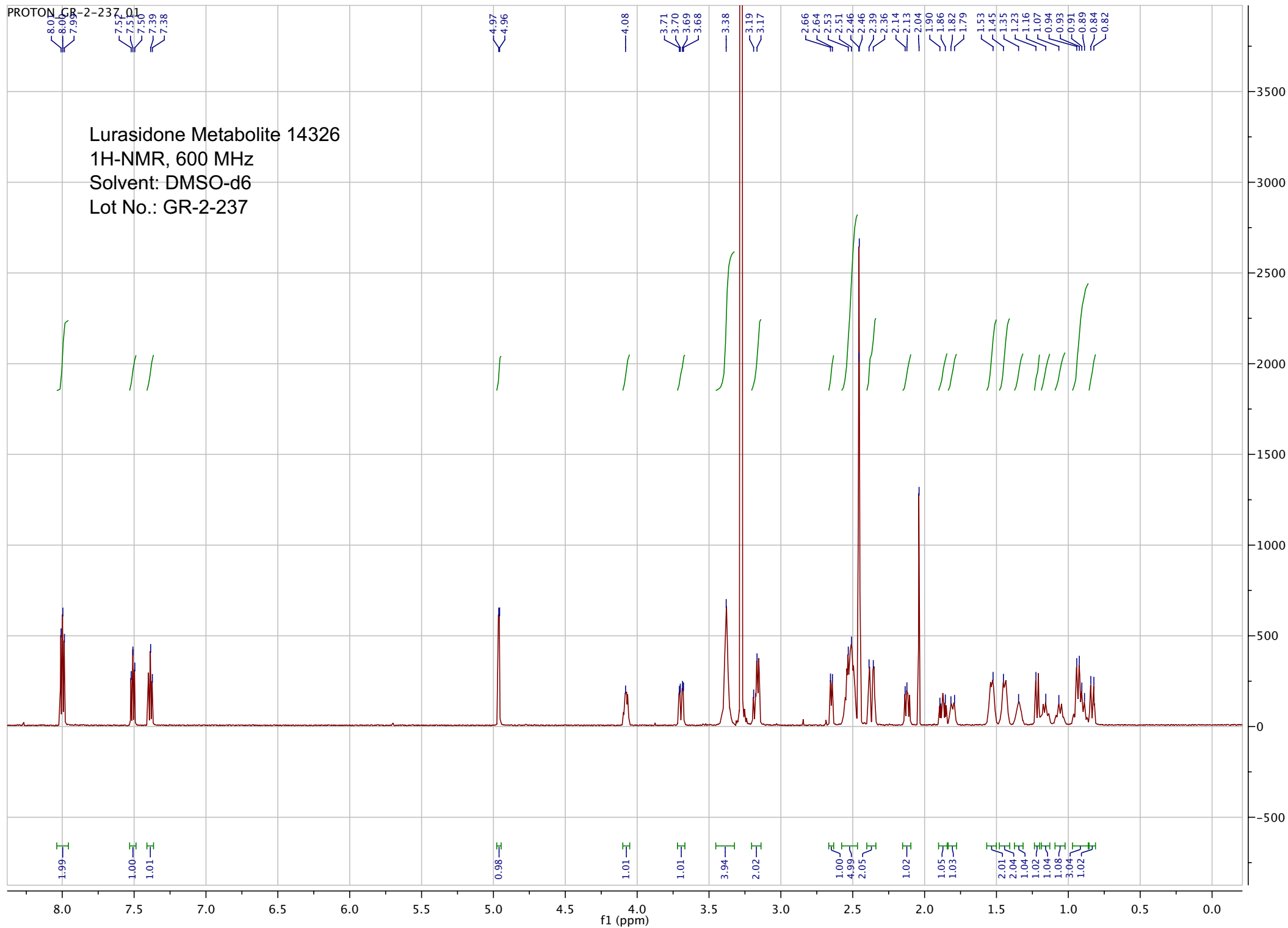
Name:	5α/6α-Hydroxy Lurasidone (Lurasidone Inactive Metabolite 14326)
Lot#:	GR-2-237
Test Date:	06/02/2025 (re-test date: 06/02/2030)
CAS No.:	186204-33-1
MF:	C ₂₈ H ₃₆ N ₄ O ₃ S
MW:	508.68
Appearance:	Off-white solid
Purity:	99.3% by HPLC (average of two sample preparations)
¹H-NMR:	Conforms (contains 1.1% Acetone)
MS-ESI (+)	Conforms (shows peak at m/z = 509.26 [M+H] ⁺)
Storage	Long term store at 0 - 5° C in a dry place away from direct sunlight

Approved by:

Date: 06/02/2025

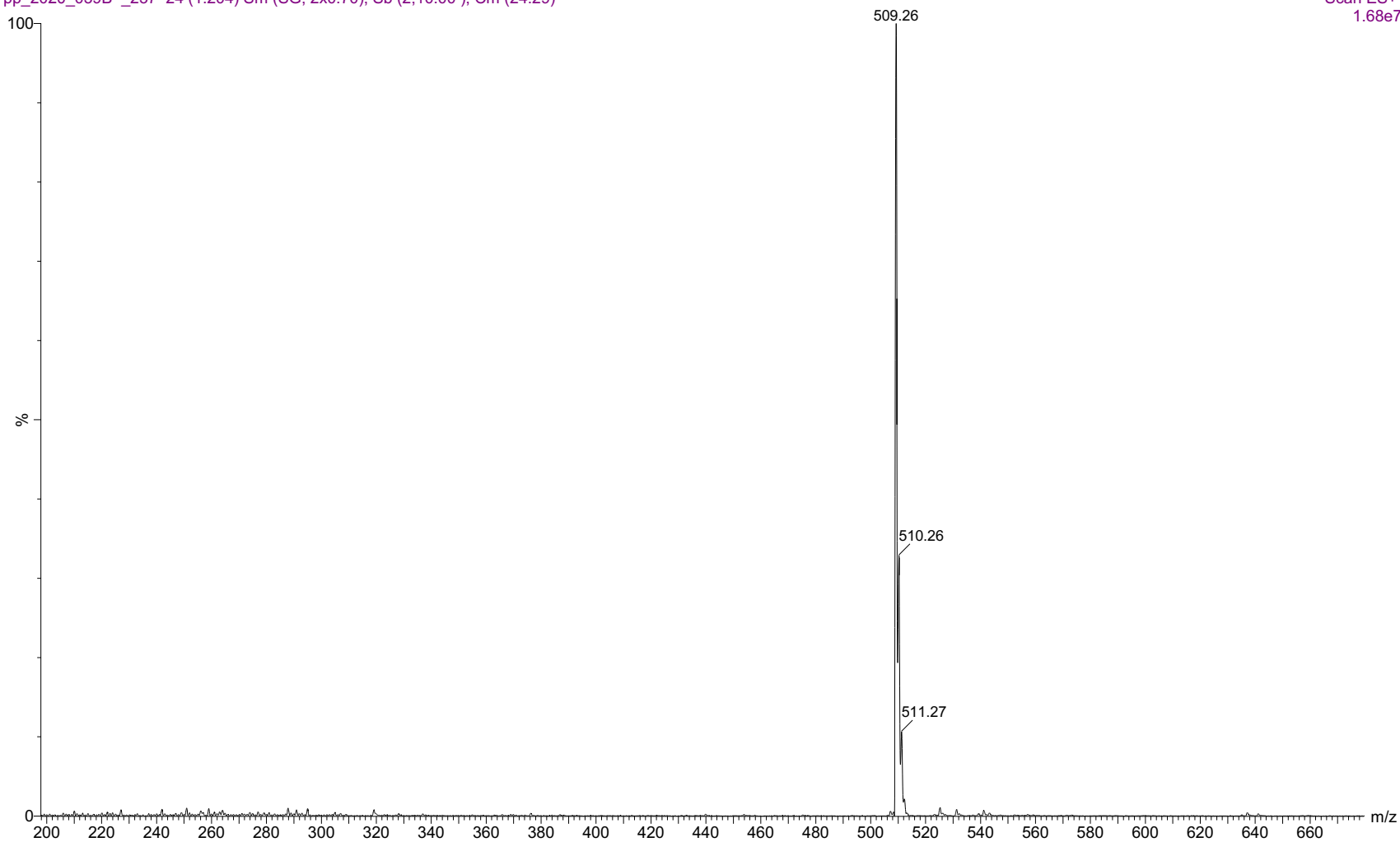
Viorica Rusu, QC/QA Manager

Lurasidone Metabolite 14326
 1H-NMR, 600 MHz
 Solvent: DMSO-d6
 Lot No.: GR-2-237



pp_2020_039B _237 24 (1.204) Sm (SG, 2x0.70); Sb (2,10.00); Cm (24:29)

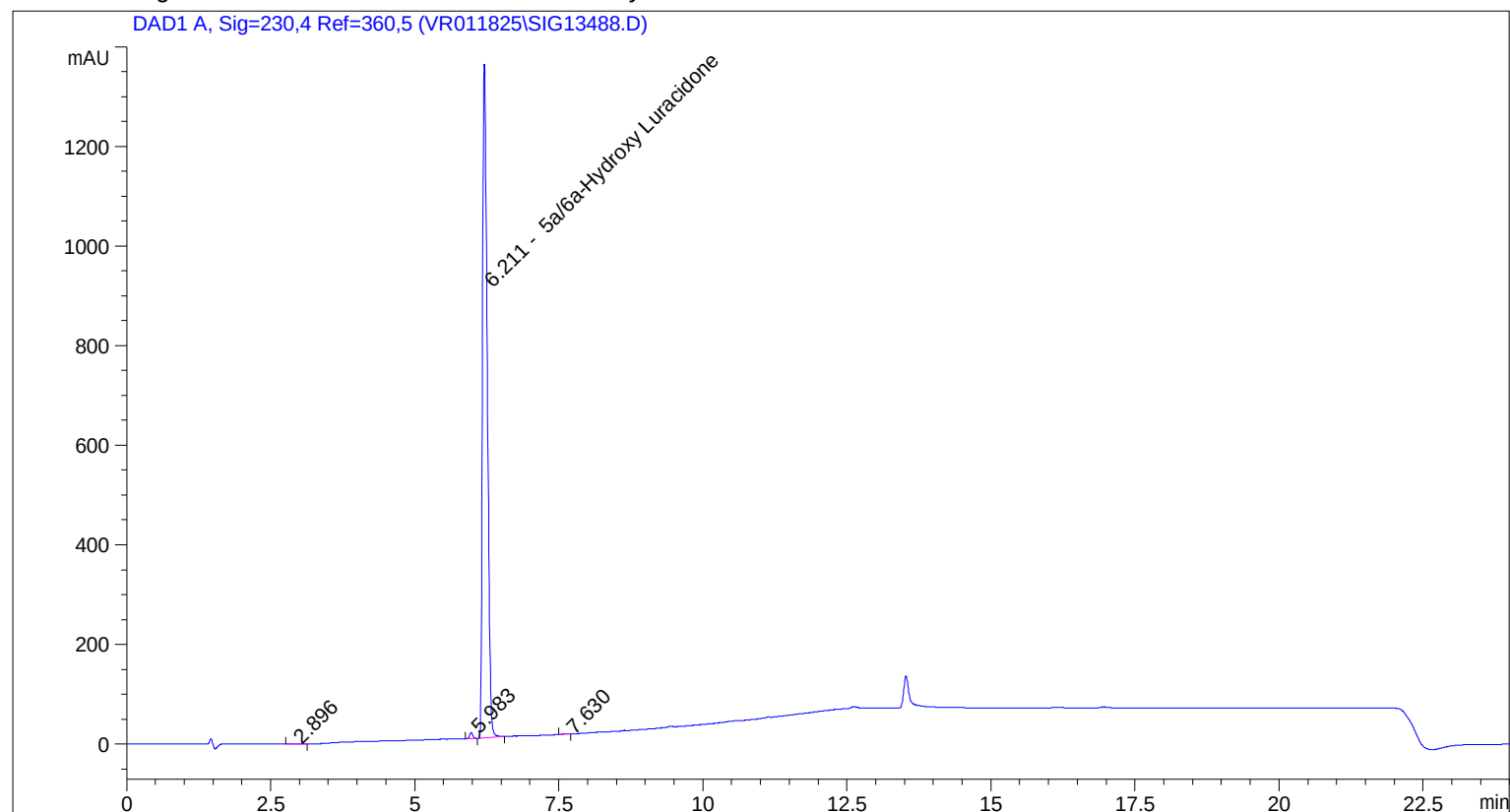
Scan ES+
1.68e7



ESI-MS data for sample GR-2-237. Shows monoisotopic [M+H]⁺ mass.

Sample Name: GR-2-237 spl-2

```
=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 58
Injection Date  : 6/2/2025 1:45:00 PM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR060125_237.M
Last changed    : 6/2/2025 1:43:58 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR060225_237PM.M
Last changed    : 6/2/2025 3:08:49 PM by vrusu
=====
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=====
                          Area Percent Report
=====
```

```
Sorted By           :      Signal
Calib. Data Modified :      6/2/2025 3:08:22 PM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=230,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.896	BB	0.1026	4.73722	0.0606	?
2	5.983	BB	0.0560	42.76284	0.5473	?
3	6.211	BB	0.0889	7758.66455	99.3034	5a/6a-Hydroxy Luracidone
4	7.630	BB	0.1036	6.92682	0.0887	?

Totals : 7813.09143

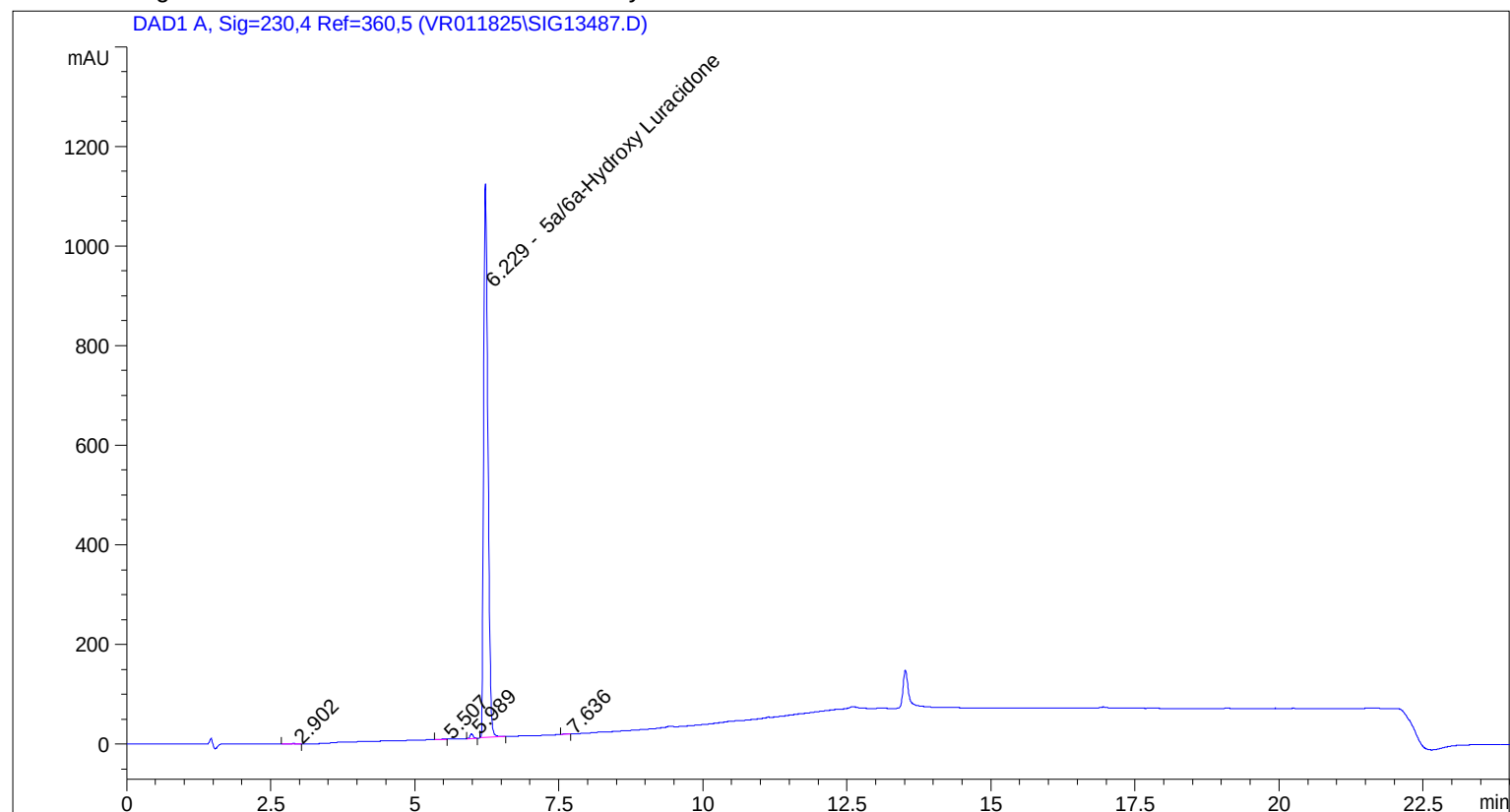
Sample Name: GR-2-237 spl-2

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*** End of Report ***

Sample Name: GR-2-237

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=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 57
Injection Date  : 6/2/2025 1:18:37 PM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR060125_237.M
Last changed    : 6/2/2025 1:17:32 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR060225_237PM.M
Last changed    : 6/2/2025 3:08:49 PM by vrusu
=====
```



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=====
                        Area Percent Report
=====
```

```
Sorted By           :      Signal
Calib. Data Modified :      6/2/2025 3:08:22 PM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=230,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.902	BB	0.1072	4.41132	0.0759	?
2	5.507	BV	0.0809	4.43437	0.0763	?
3	5.989	BB	0.0556	31.20906	0.5371	?
4	6.229	BB	0.0805	5764.61768	99.2076	5a/6a-Hydroxy Luracidone
5	7.636	BB	0.0986	5.98723	0.1030	?

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Totals :                               5810.65965
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Sample Name: GR-2-237

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*** End of Report ***