

Name:	5α/6α-Hydroxy Lurasidone-D8 (Lurasidone Inactive Metabolite 14326-D8)
Lot#:	GR-2-239
Test Date:	07/22/2020 (re-test date: 07/22/2025)
CAS No.:	186204-33-1 (unlabelled)
MF:	C ₂₈ H ₂₈ D ₈ N ₄ O ₃ S
MW:	516.73
Appearance:	Off-white solid
Purity:	99.2% by HPLC; 99% atom D
¹H-NMR:	Conforms (contains 0.7% Acetone)
MS-ESI (+)	Conforms (shows peak at m/z = 517.29 [M+H] ⁺)
Storage	Long term store at 0 - 5° C in a dry place away from direct sunlight

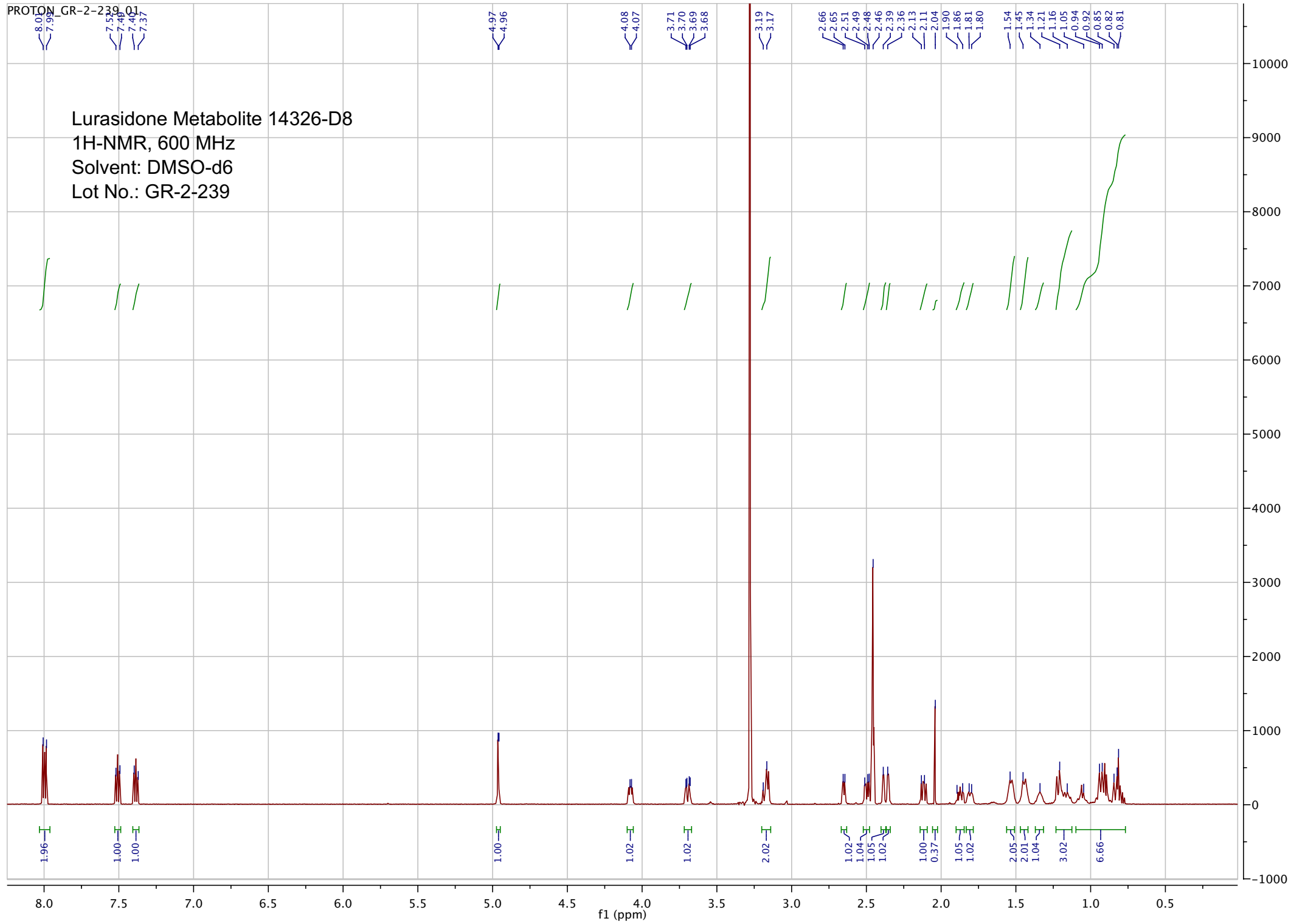
Approved by:

Date: 07/22/2020



Viorica Rusu, QC/QA Manager

Lurasidone Metabolite 14326-D8
1H-NMR, 600 MHz
Solvent: DMSO-d6
Lot No.: GR-2-239



pp_2020_039B _239 36 (1.806) Sm (SG, 2x0.70); Sb (2,10.00); Cm (36:38)

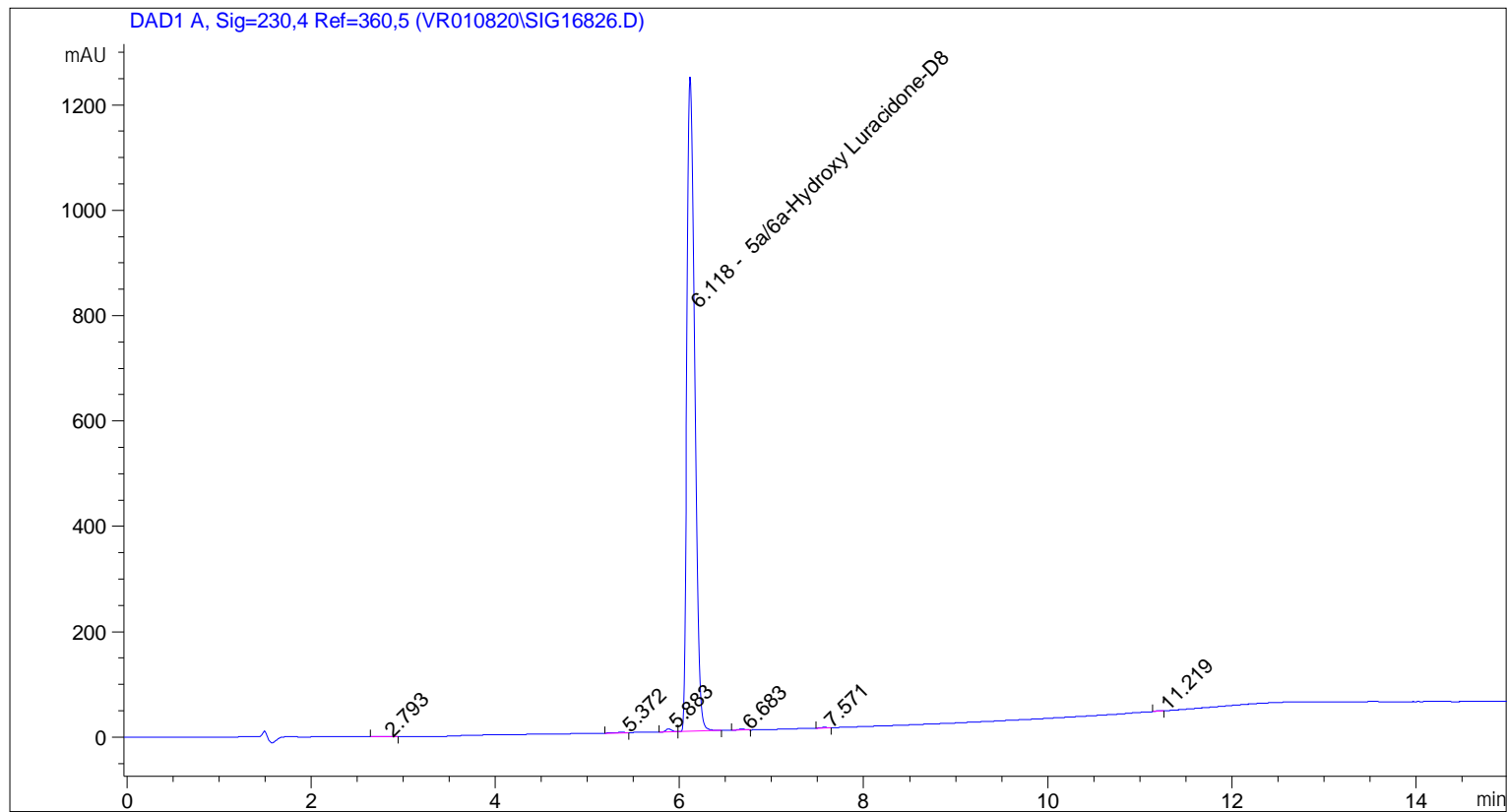
Scan ES+
1.27e7



ESI-MS data for sample GR-2-239. Shows monoisotopic [M+H]⁺ mass.

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 82
Injection Date  : 7/22/2020 1:53:52 PM
                                           Inj Volume : 7.0 µl
Acq. Method    : C:\CHEM32\1\METHODS\VR_072220_239.M
Last changed   : 7/22/2020 1:52:37 PM by vrusu
Analysis Method: C:\CHEM32\1\METHODS\VR072220_239PM.M
Last changed   : 7/22/2020 2:51:48 PM by vrusu
  
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 Area Percent Report
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Sorted By      :      Signal
Calib. Data Modified :      7/22/2020 2:51:14 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	2.793	BB	0.1143	4.35696	0.0587	?
2	5.372	BB	0.0793	5.88938	0.0794	?
3	5.883	BV	0.0652	25.70946	0.3465	?
4	6.118	VB	0.0951	7363.49561	99.2373	5a/6a-Hydroxy Luracidone-D8
5	6.683	BB	0.0901	11.32446	0.1526	?
6	7.571	BB	0.0827	5.17794	0.0698	?
7	11.219	BB	0.0646	4.13524	0.0557	?

Sample Name: GR-2-239

Totals : 7420.08905

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*** End of Report ***