

Name:	5α/6α-Hydroxy Lurasidone (Lurasidone Inactive Metabolite 14326)
Lot#:	GR-2-237
Test Date:	07/02/2020 (re-test date: 07/02/2025)
CAS No.:	186204-33-1
MF:	C ₂₈ H ₃₆ N ₄ O ₃ S
MW:	508.68
Appearance:	Off-white solid
Purity:	98.6% by HPLC
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

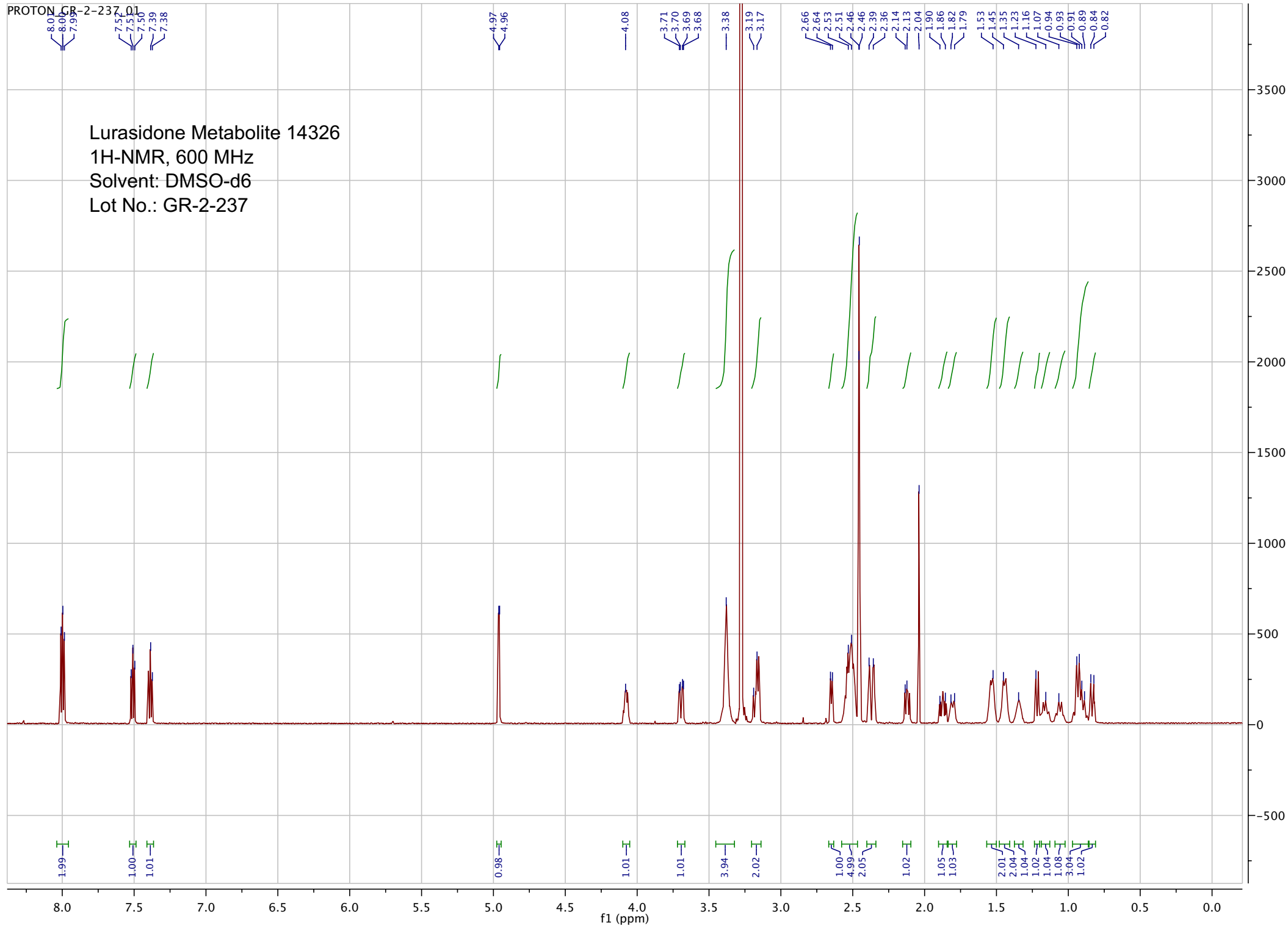
Approved by:

Date: 07/02/2020



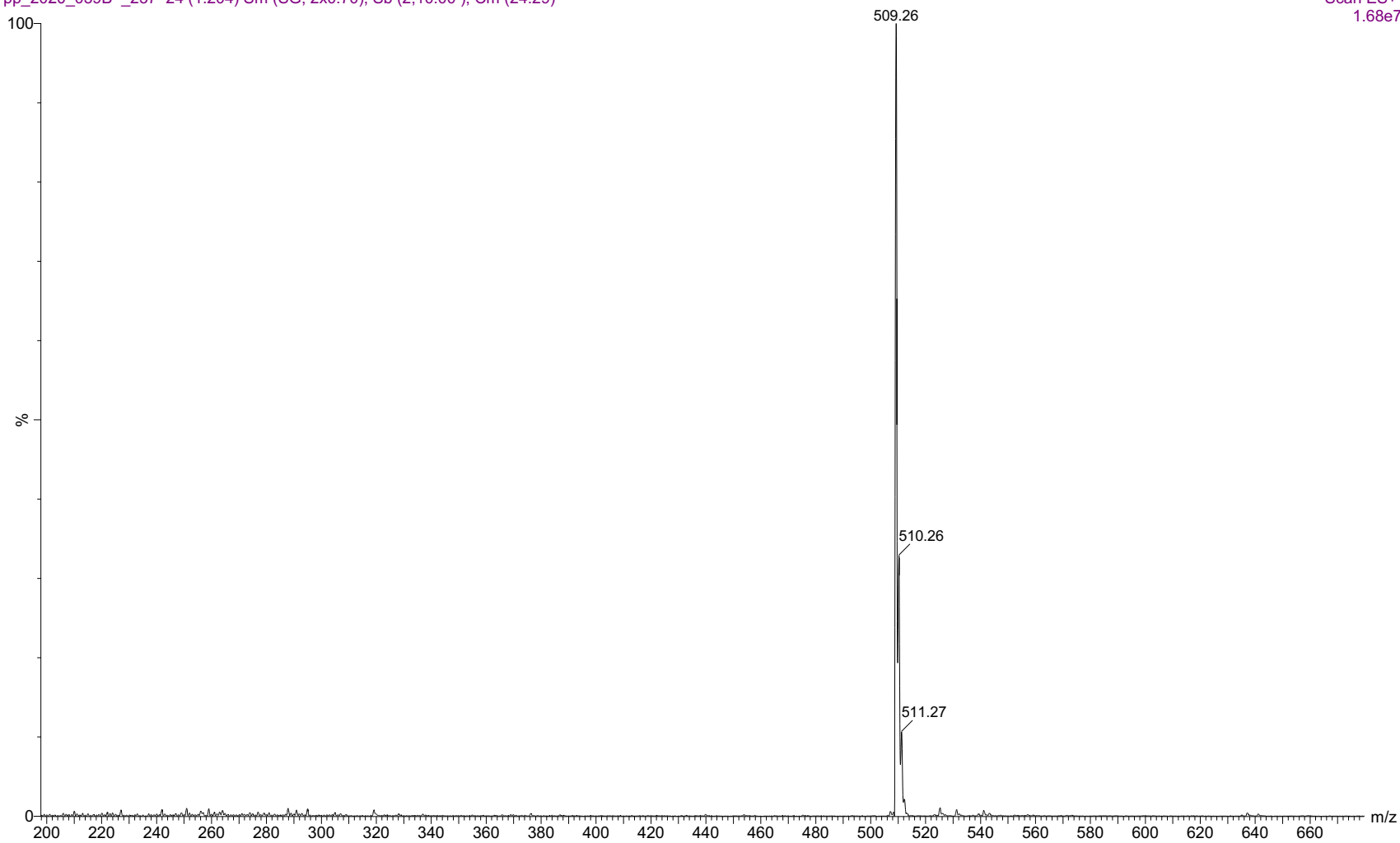
Viorica Rusu, QC/QA Manager

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



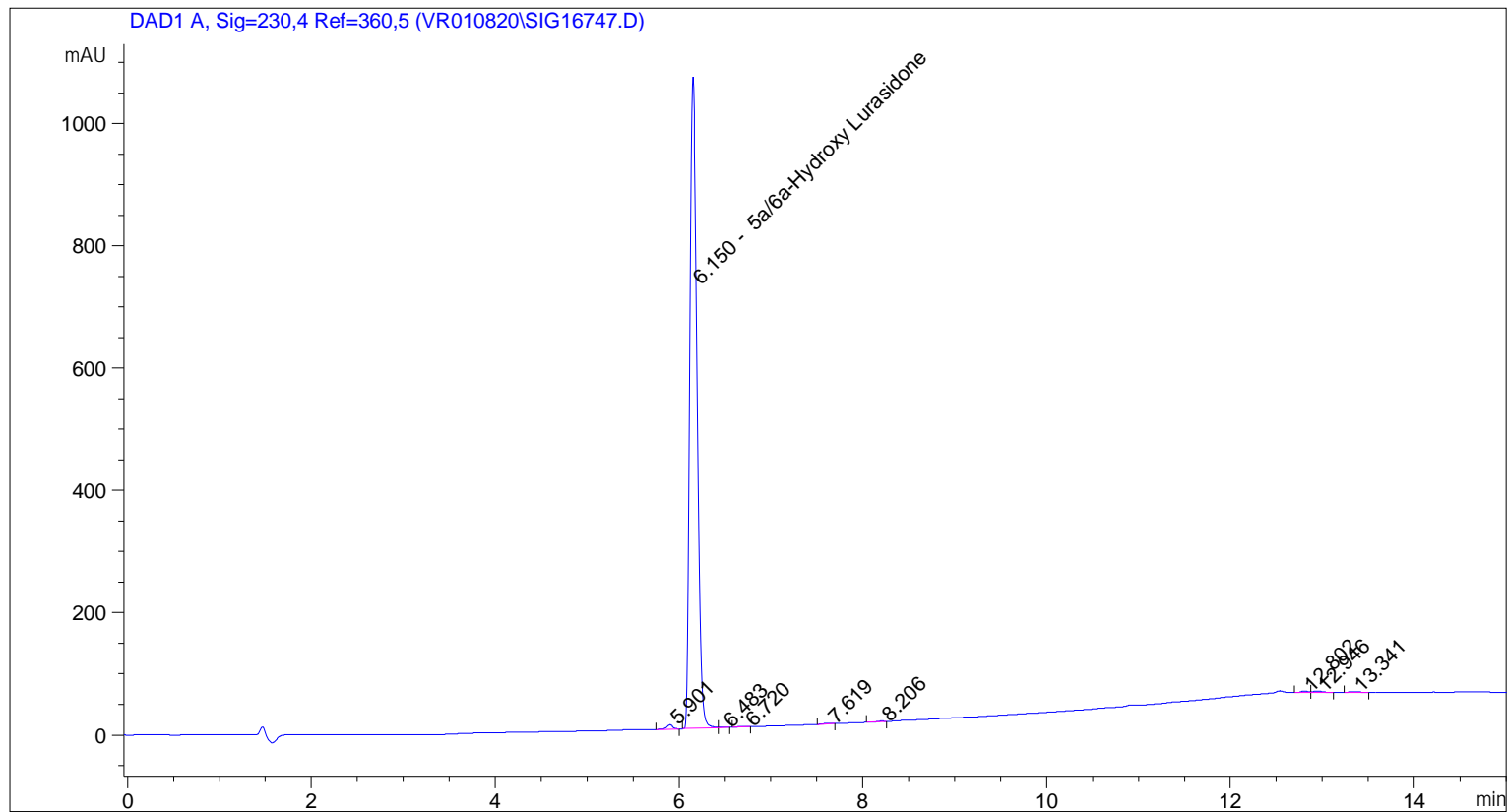
pp_2020_039B _237 24 (1.204) Sm (SG, 2x0.70); Sb (2,10.00); Cm (24:29)

Scan ES+
1.68e7



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

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Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 22
Injection Date : 7/2/2020 1:52:21 PM Inj Volume : 10.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR070220_237.M
Last changed : 7/2/2020 1:49:12 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR070220_237PM.M
Last changed : 7/2/2020 2:16:47 PM by vrusu



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Area Percent Report
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Sorted By : Signal
Calib. Data Modified : 7/2/2020 2:16:27 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	5.901	BB	0.0697	32.53380	0.5317	?
2	6.150	BV	0.0900	6032.41406	98.5808	5a/6a-Hydroxy Lurasidone
3	6.483	VB	0.0771	2.91702	0.0477	?
4	6.720	BB	0.0869	3.65273	0.0597	?
5	7.619	BB	0.0817	6.36351	0.1040	?
6	8.206	BB	0.0630	3.48211	0.0569	?
7	12.802	BV	0.0867	13.75554	0.2248	?
8	12.946	VB	0.0977	17.12900	0.2799	?

Sample Name: GR-2-237

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	13.341	BB	0.0932	7.01382	0.1146	?

Totals : 6119.26160

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*** End of Report ***