

Name:	5β/6β-Hydroxy Lurasidone (Lurasidone Inactive Metabolite 14283)
Lot#:	GR-2-219
Test Date:	06/26/2023 (re-test date: 06/26/2028)
CAS No.:	186204-31-9
MF:	C ₂₈ H ₃₆ N ₄ O ₃ S
MW:	508.68
Appearance:	Off-white solid
Purity:	98.7% by HPLC (average of two sample preparations)
¹H-NMR:	Conforms (contains some DMF and MTBE)
MS-ESI (+)	Conforms (shows peak at m/z = 509.25 [M+H] ⁺)
Storage	Long term store at 0 - 5° C in a dry place away from direct sunlight

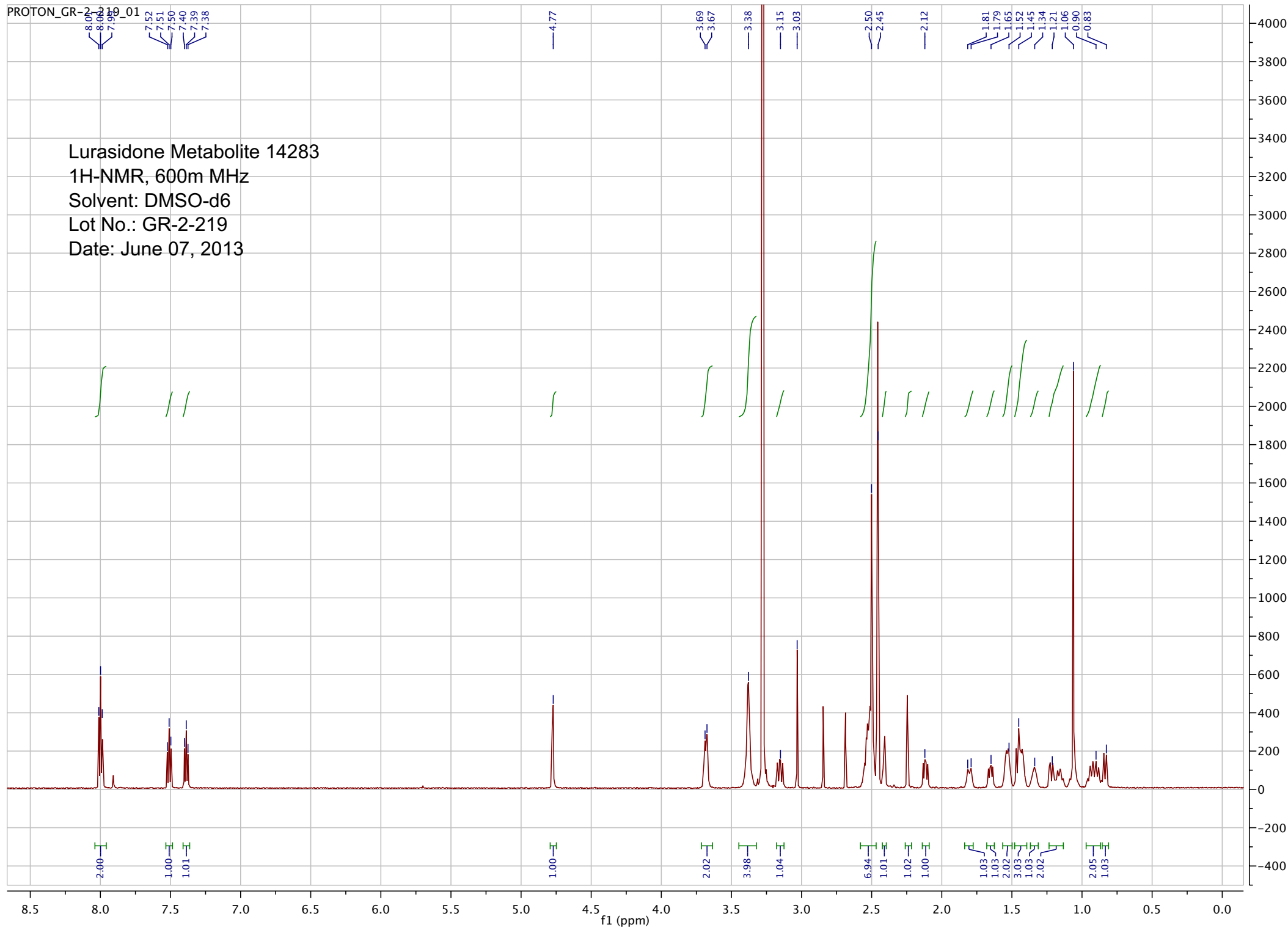
Approved by:

Date: 06/26/2023

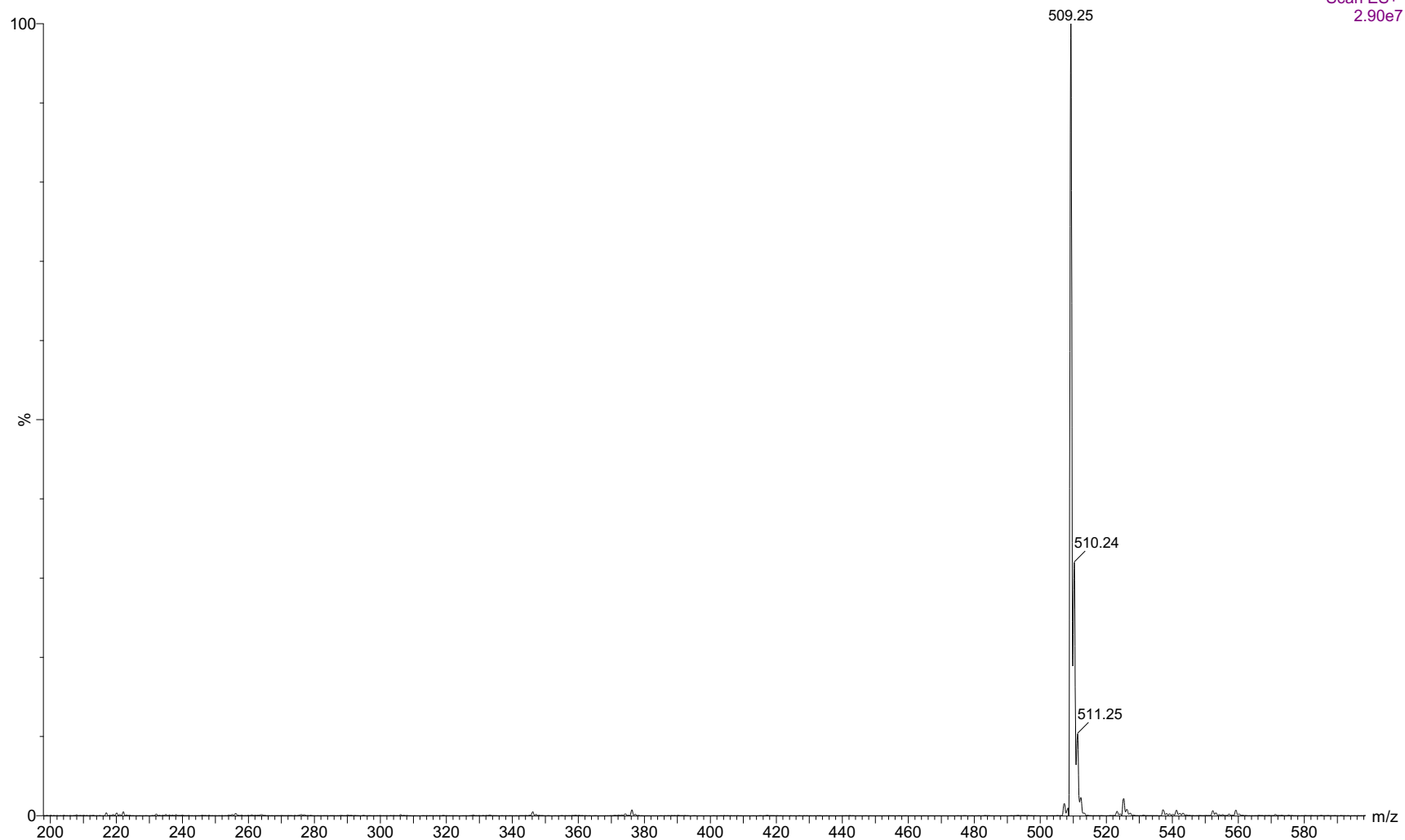


Viorica Rusu, QC/QA Manager

Lurasidone Metabolite 14283
1H-NMR, 600m MHz
Solvent: DMSO-d6
Lot No.: GR-2-219
Date: June 07, 2013



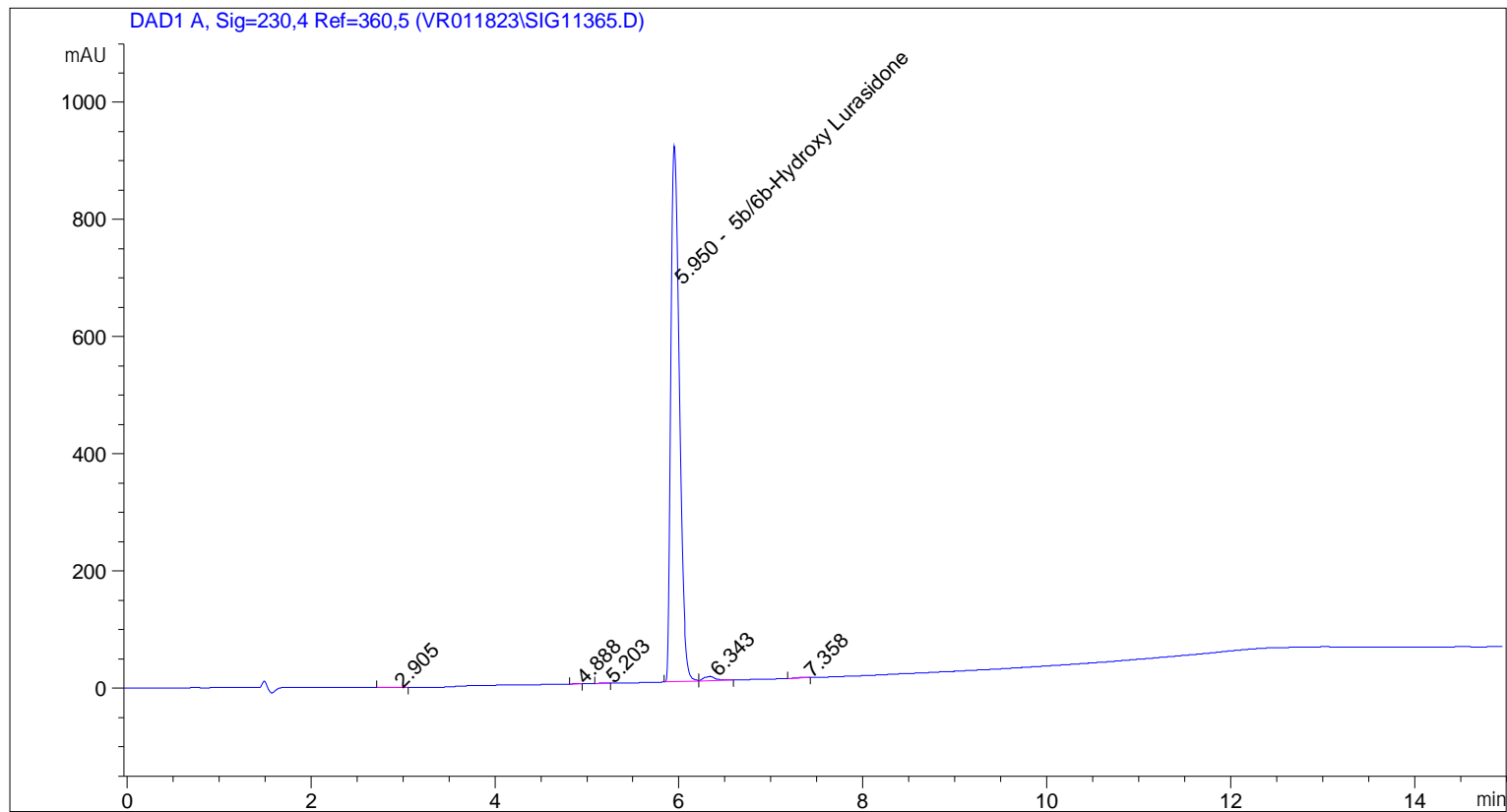
Scan ES+
2.90e7



ESI-MS data for sample GR-2-219. Shows monoisotopic [M+H]⁺ mass.

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 71
Injection Date  : 6/26/2023 10:34:33 AM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR062623_219.M
Last changed    : 6/26/2023 10:33:30 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR062623_219PM.M
Last changed    : 6/26/2023 12:10:08 PM by vrusu
  
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 Area Percent Report
 =====

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Sorted By       :      Signal
Calib. Data Modified :      6/26/2023 12:09:16 PM
Multiplier:      :      1.0000
Dilution:        :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

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

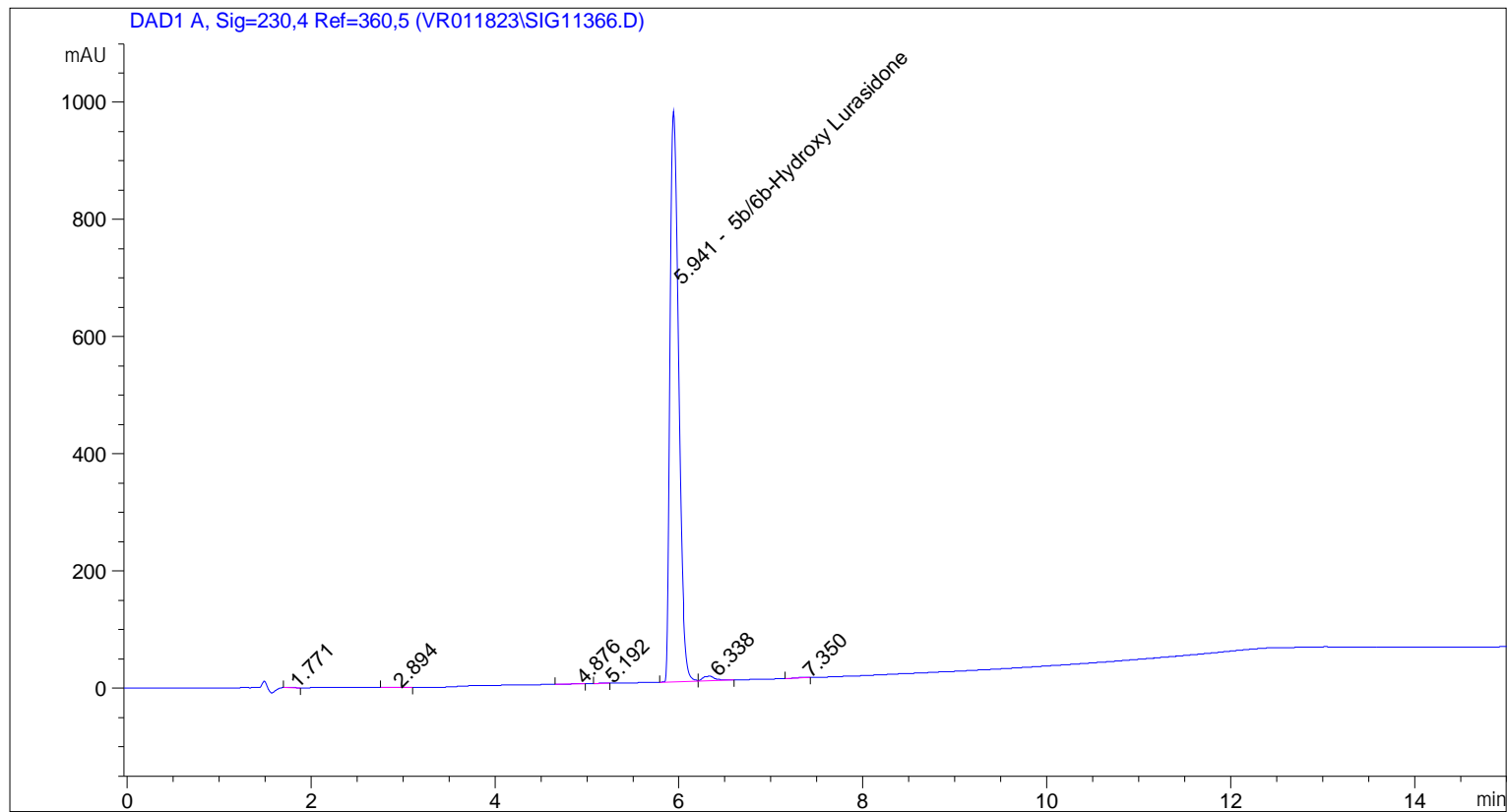
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.905	BB	0.1225	2.44195	0.0412	?
2	4.888	BB	0.0696	1.66338	0.0281	?
3	5.203	BB	0.0733	2.29139	0.0387	?
4	5.950	BV	0.1005	5842.95703	98.7003	5b/6b-Hydroxy Lurasidone
5	6.343	VB	0.1189	65.92612	1.1136	?
6	7.358	BB	0.0978	4.62009	0.0780	?

Totals : 5919.89996

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*** End of Report ***

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Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 72
Injection Date : 6/26/2023 10:53:44 AM Inj Volume : 5.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR062623_219.M
Last changed : 6/26/2023 10:51:58 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR062623_219PM.M
Last changed : 6/26/2023 12:10:08 PM by vrusu



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Area Percent Report
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Sorted By : Signal
Calib. Data Modified : 6/26/2023 12:09:16 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	1.771	BB	0.1057	1.83945	0.0287	?
2	2.894	BB	0.1051	2.16564	0.0338	?
3	4.876	BB	0.0879	3.64692	0.0570	?
4	5.192	BB	0.0701	2.66021	0.0416	?
5	5.941	BV	0.1037	6313.27686	98.6195	5b/6b-Hydroxy Lurasidone
6	6.338	VB	0.1223	72.94102	1.1394	?
7	7.350	BB	0.0947	5.11972	0.0800	?

Sample Name: GR-2-219 spl-2

Totals : 6401.64981

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*** End of Report ***