

Name:	Levonorgestrel-3-methyldienol ether
Lot#:	GR-5-131
Test Date:	09/19/2019 (re-test date:09/19/2024)
CAS No.:	176254-10-7
MF:	C ₂₂ H ₃₀ O ₂
MW:	326.48
Appearance:	White Solid
Purity:	99.3% by HPLC
¹H-NMR:	Conforms
MS-ESI (+)	Conforms (shows peaks at m/z = 327.23 [M+H] ⁺ , 313.22 [M-CH ₃ OH+H ₃ O] ⁺ and 309.23 [M-H ₂ O+H] ⁺)

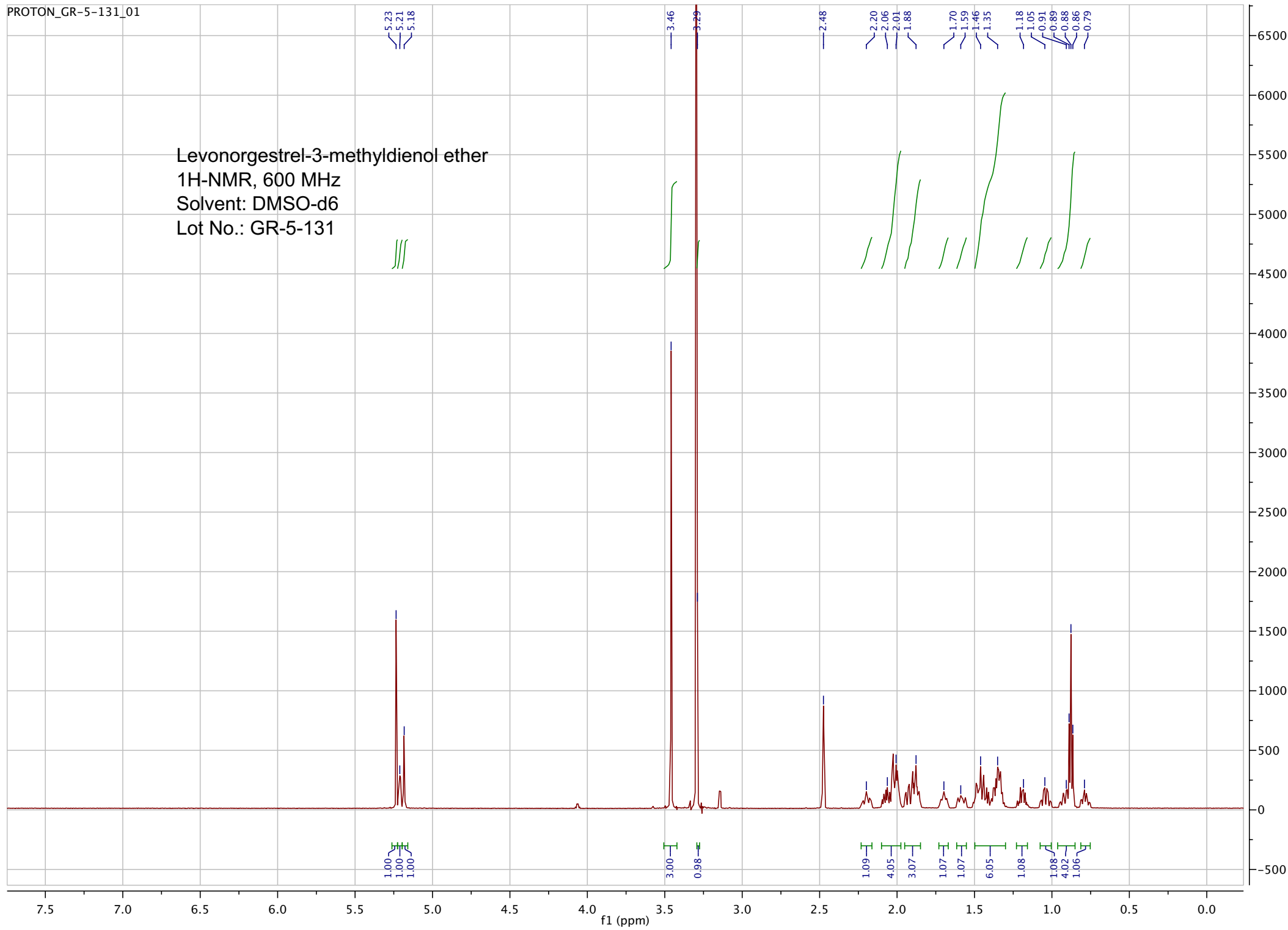
Approved by:

Date: 09/19/2019



Viorica Rusu, QC/QA Manager

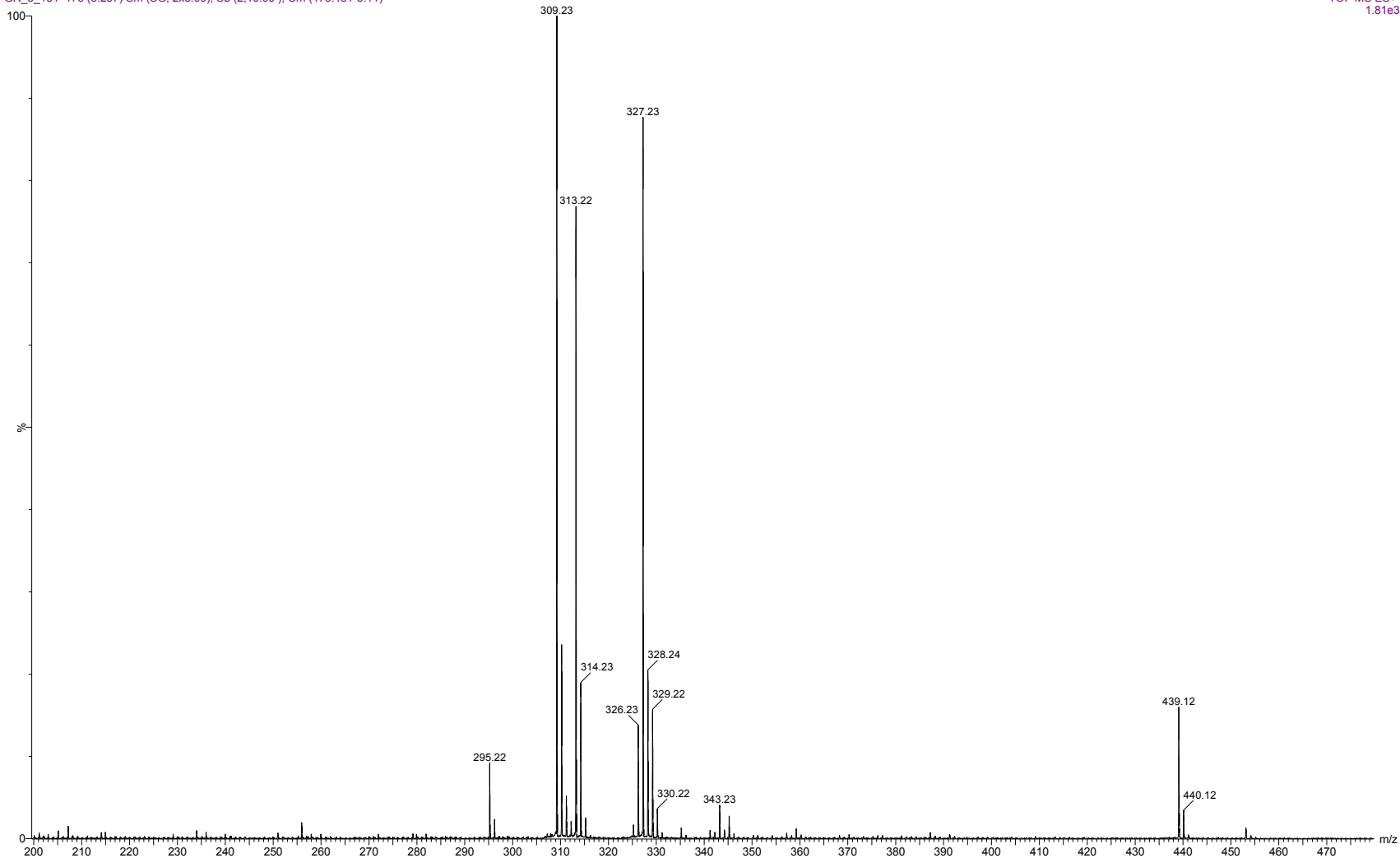
Levonorgestrel-3-methyldienol ether
1H-NMR, 600 MHz
Solvent: DMSO-d6
Lot No.: GR-5-131



GR_5_131 176 (3.257) Sm (SG, 2x5.00); Sb (2,10.00); Cm (175:181-5:11)

7.0000000

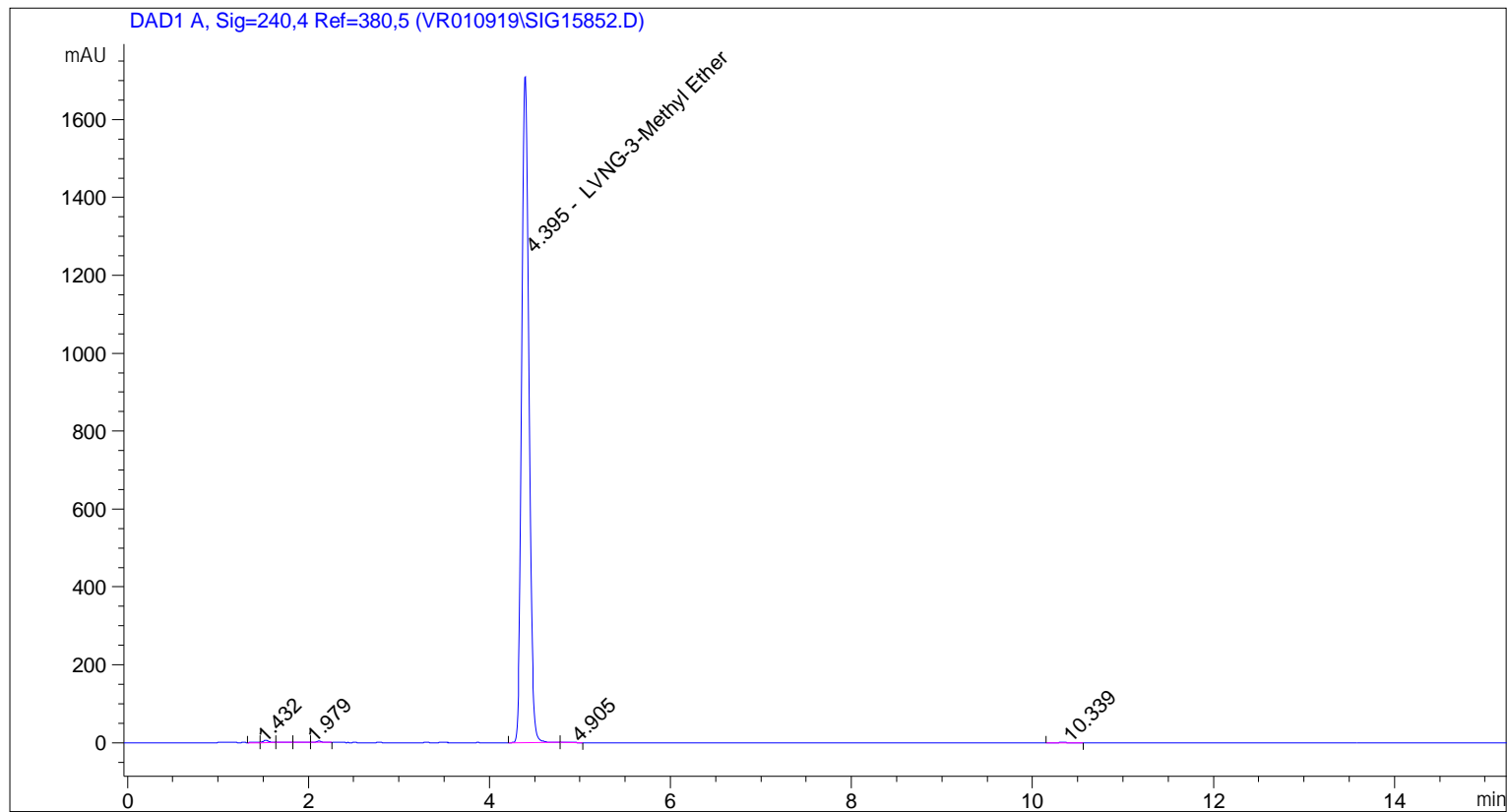
TOF MS ES+
1.81e3



ESI-MS spectrum for sample GR-5-131. Shows monoisotopic [M+H]⁺ mass.

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 47
Injection Date  : 9/19/2019 9:41:14 AM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR091919_131.M
Last changed    : 9/19/2019 9:40:01 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR091919_131PM.M
Last changed    : 9/19/2019 9:58:51 AM by vrusu
  
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 Area Percent Report
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Sorted By           :      Signal
Calib. Data Modified :      9/19/2019 9:58:45 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
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Signal 1: DAD1 A, Sig=240,4 Ref=380,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	1.432	BV	0.0741	7.49081	0.0792	?
2	1.527	VV	0.0679	28.46630	0.3009	?
3	1.697	VB	0.0726	6.54465	0.0692	?
4	1.979	BV	0.0752	3.33866	0.0353	?
5	2.115	VB	0.0676	17.33654	0.1832	?
6	4.395	BB	0.0839	9391.81738	99.2690	LVNG-3-Methyl Ether
7	4.905	BB	0.0909	2.54955	0.0269	?
8	10.339	BB	0.1414	3.42941	0.0362	?

Sample Name: GR-5-131

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
Totals :				9460.97331		

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*** End of Report ***