

Name: 6β-Hydroxy Gestodene
Lot#: GR-16-031
Test Date: 05/31/2021 (re-test date: 05/31/2026)
CAS No.: NA
MF: C₂₁H₂₆O₃
MW: 326.43
Appearance: White solid
Purity: 99.0% by HPLC (average of two sample preparations)
¹H-NMR: Conforms
MS-ESI (+) Conforms (shows peaks at m/z = 327.22 [M+H]⁺)
Storage Store at 0-8°C in a dry place away from direct sunlight

Approved by:

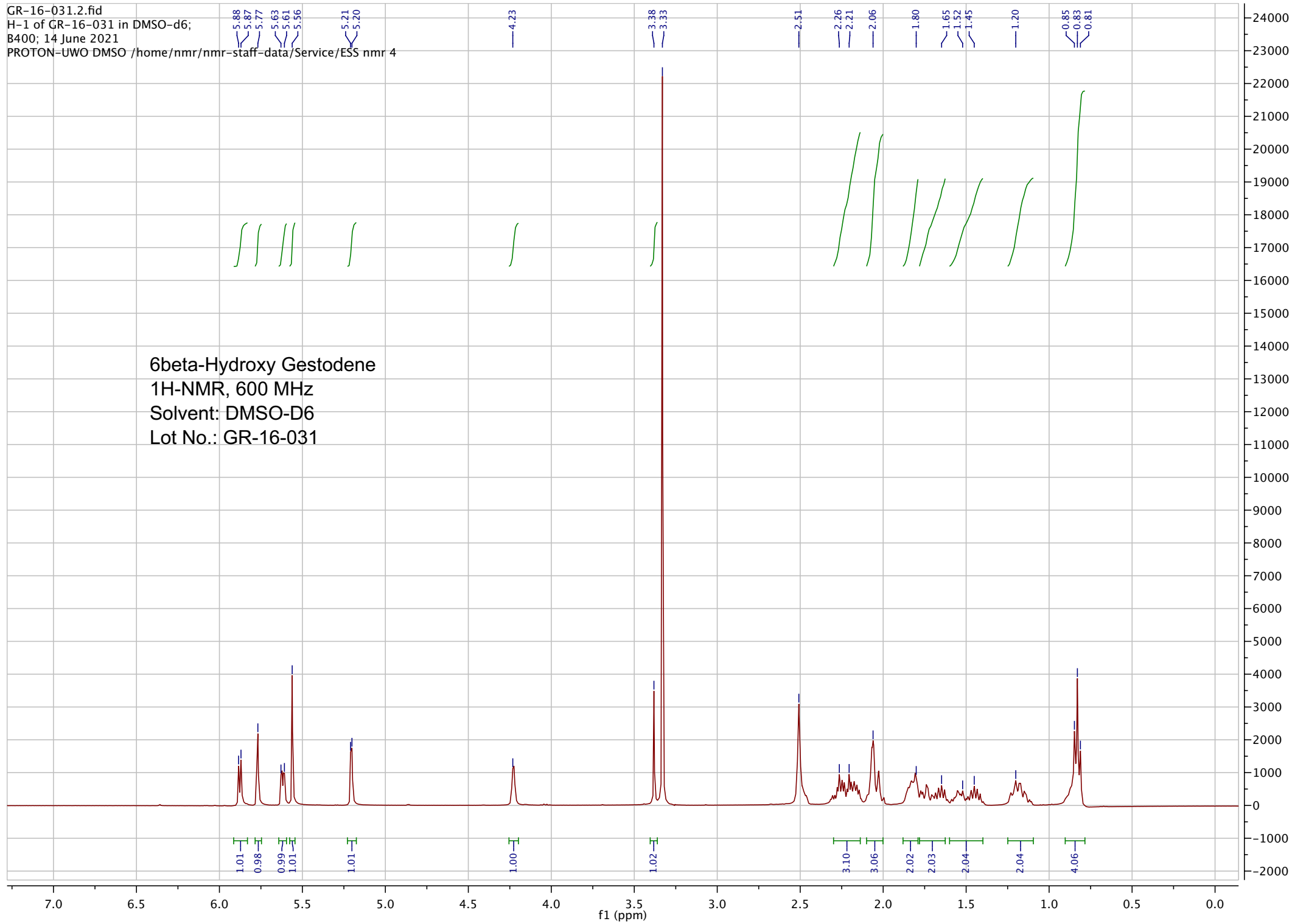
Date: 06/22/2021



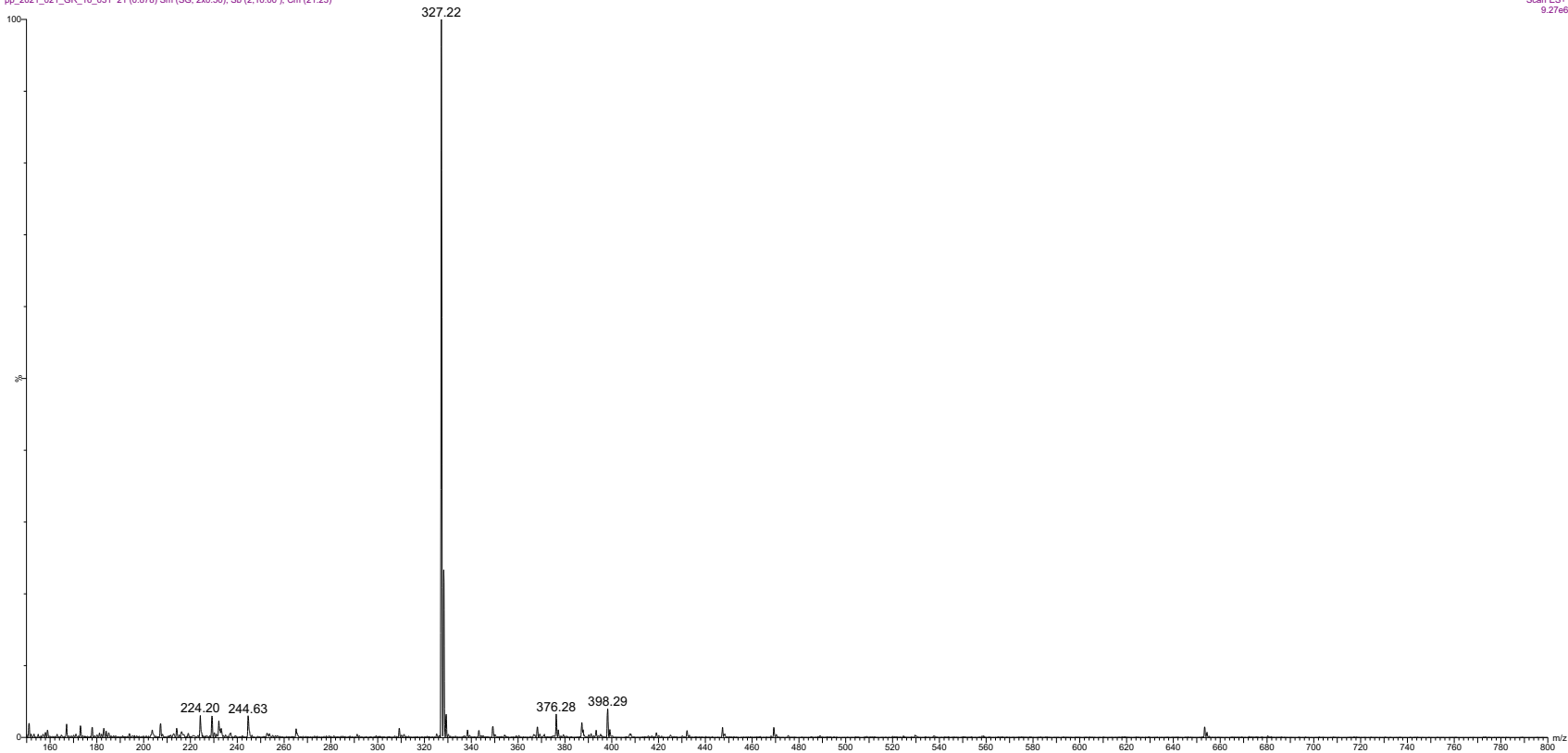
Viorica Rusu, QC/QA Manager

GR-16-031.2.fid
H-1 of GR-16-031 in DMSO-d6;
B400; 14 June 2021
PROTON=UWO DMSO /home/nmr/nmr-staff-data/Service/ESS nmr 4

6beta-Hydroxy Gestodene
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-16-031



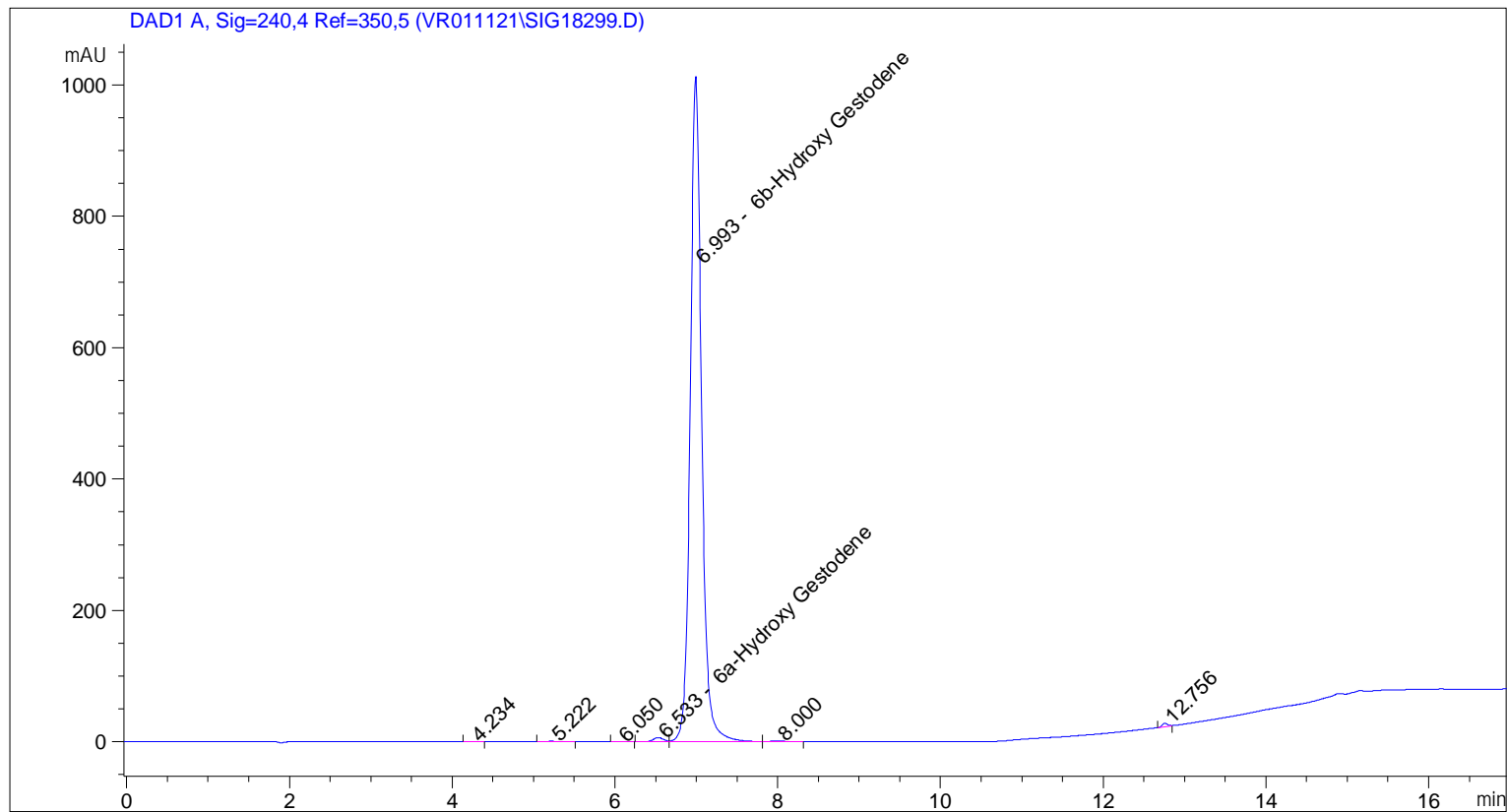
pp_2021_021_GR_16_031_21 (0.878) Sm (SG, 2x0.50); Sb (2,10.00); Cm (21:23)



ESI-MS spectrum for sample GR-16-031. Shows monoisotopic $[M+H]^+$ mass.

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=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 60
Injection Date  : 5/31/2021 10:33:04 AM
                                           Inj Volume : 5.0 µl
Acq. Method    : C:\CHEM32\1\METHODS\VR053121_031.M
Last changed   : 5/31/2021 10:32:00 AM by vrusu
Analysis Method: C:\CHEM32\1\METHODS\VR053121_031PM.M
Last changed   : 5/31/2021 1:50:39 PM by vrusu
  
```



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 Area Percent Report
 =====

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Sorted By      : Signal
Calib. Data Modified : 5/31/2021 1:50:16 PM
Multiplier:    : 1.0000
Dilution:     : 1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=240,4 Ref=350,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	4.234	BB	0.0970	3.03898	0.0306	?
2	5.222	BB	0.1238	6.61020	0.0665	?
3	6.050	BB	0.1008	1.43948	0.0145	?
4	6.533	BV	0.1377	56.76284	0.5709	6a-Hydroxy Gestodene
5	6.993	VV	0.1492	9837.65332	98.9395	6b-Hydroxy Gestodene
6	8.000	VB	0.1784	14.93354	0.1502	?
7	12.756	BB	0.0667	22.66312	0.2279	?

Sample Name: GR-16-031

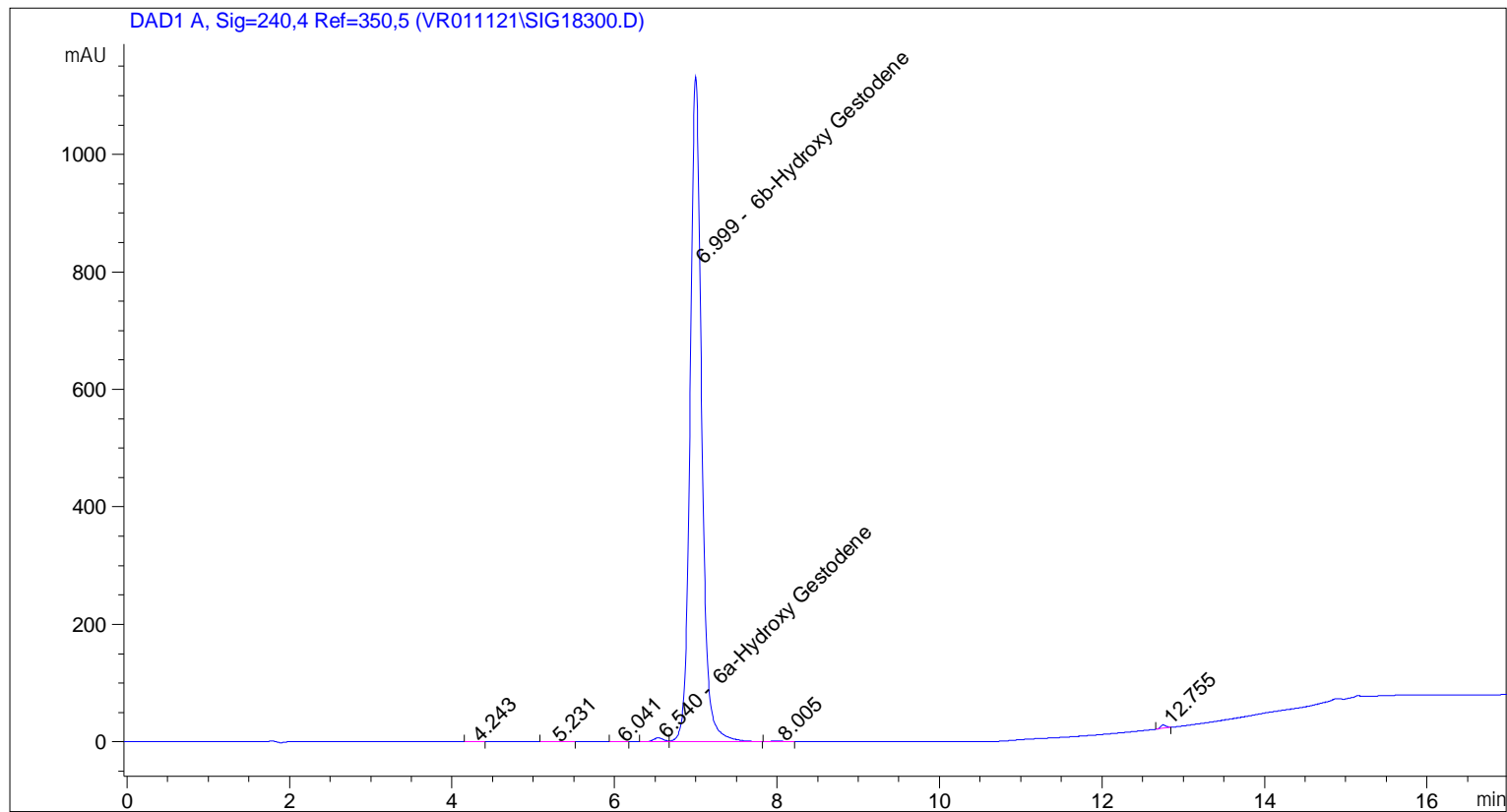
Totals : 9943.10147

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*** End of Report ***

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1
Injection Date  : 5/31/2021 12:12:26 PM
Location       : Vial 61
Inj Volume     : 5.0 µl
Acq. Method    : C:\CHEM32\1\METHODS\VR053121_031.M
Last changed   : 5/31/2021 12:08:38 PM by vrusu
Analysis Method: C:\CHEM32\1\METHODS\VR053121_031PM.M
Last changed   : 5/31/2021 1:50:39 PM by vrusu
  
```



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 Area Percent Report
 =====

```

Sorted By      : Signal
Calib. Data Modified : 5/31/2021 1:50:16 PM
Multiplier:    : 1.0000
Dilution:     : 1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=240,4 Ref=350,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	4.243	BB	0.1018	2.78234	0.0247	?
2	5.231	BB	0.1214	6.65628	0.0591	?
3	6.041	BB	0.0969	1.48991	0.0132	?
4	6.540	BV	0.1357	60.00778	0.5324	6a-Hydroxy Gestodene
5	6.999	VB	0.1491	1.11630e4	99.0366	6b-Hydroxy Gestodene
6	8.005	BB	0.1490	12.20531	0.1083	?
7	12.755	BB	0.0701	25.45380	0.2258	?

Sample Name: GR-16-031 spl-2

Totals : 1.12715e4

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*** End of Report ***