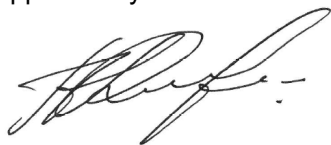


Name: 6a-Hydroxy Ethynyl Estradiol
Lot#: GR-15-113
Test Date: 10/07/2020 (re-test date: 10/07/2025)
CAS No.: 27521-34-2
MF: C₂₀H₂₄O₃
MW: 312.41
Appearance: White solid
Purity: 99.0% by HPLC (average of two sample preparations)
¹H-NMR: Conforms
MS-ESI (-) Conforms (shows peak at m/z = 311.17 [M-H]⁻)
Storage Long term store at 0 - 5° C in a dry place away from direct sunlight

Approved by:

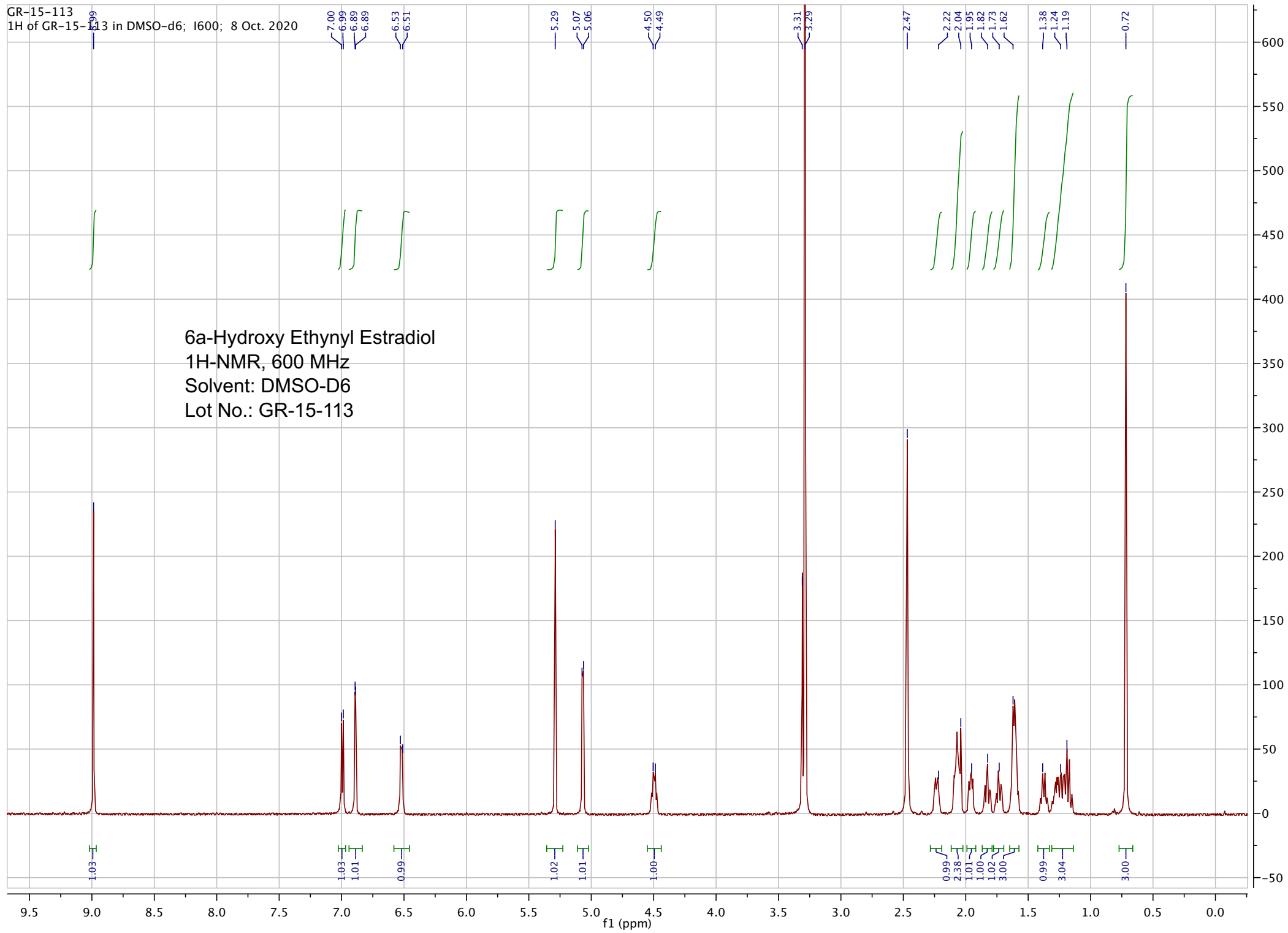
Date: 10/08/2020



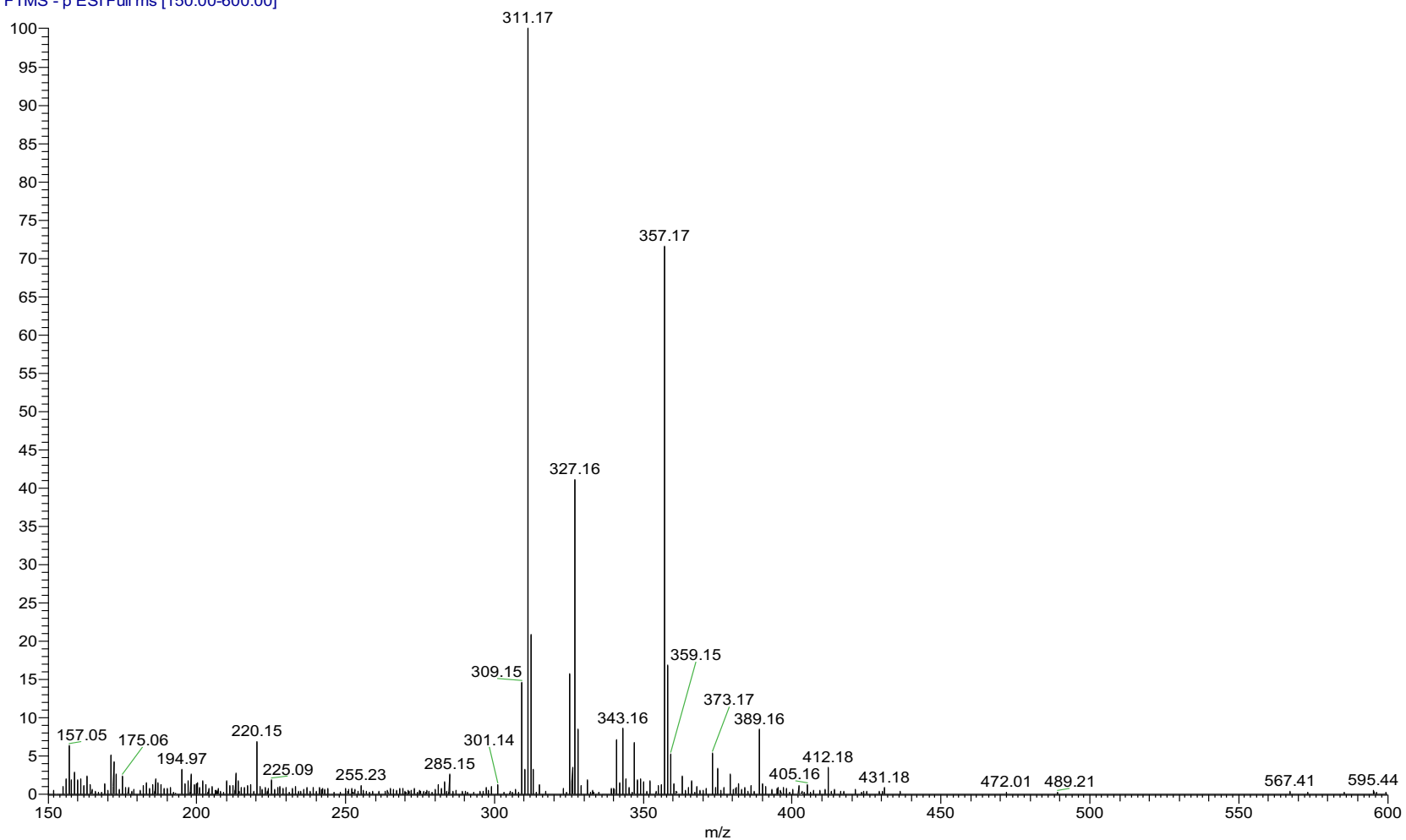
Viorica Rusu, QC/QA Manager

GR-15-113
1H of GR-15-113 in DMSO-d6; I600; 8 Oct. 2020

6a-Hydroxy Ethynyl Estradiol
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-15-113

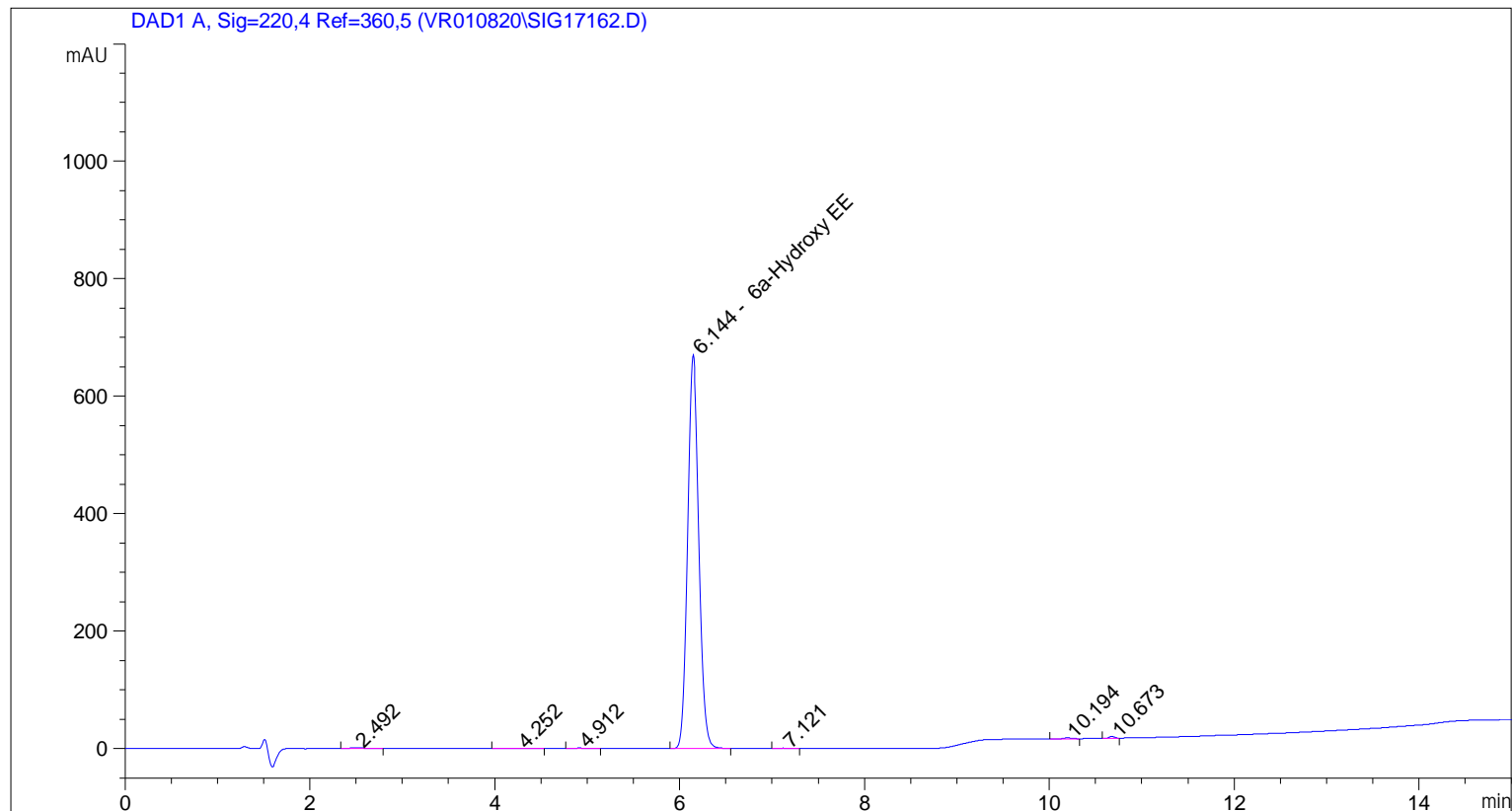


pp_2020_027_GR_15_113_001#1059 RT: 6.01 AV: 1 NL: 1.35E5
T: FTMS - p ESI Full ms [150.00-600.00]



ESI-MS spectrum for sample GR-15-113. Shows monoisotopic [M-H]- mass.

=====
Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 47
Injection Date : 10/7/2020 10:10:01 AM Inj Volume : 10.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR_100720_113.M
Last changed : 10/7/2020 10:08:58 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR_100720_113PM.M
Last changed : 10/7/2020 10:21:51 AM by vrusu



=====
Area Percent Report
=====

Sorted By : Signal
Calib. Data Modified : 10/7/2020 10:04:09 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=220,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.492	BB	0.1381	12.34455	0.2150	?
2	4.252	BB	0.1771	11.97544	0.2086	?
3	4.912	BB	0.1170	7.62059	0.1327	?
4	6.144	BB	0.1328	5680.44141	98.9347	6a-Hydroxy EE
5	7.121	BB	0.1187	4.87175	0.0848	?
6	10.194	BB	0.0935	12.02674	0.2095	?
7	10.673	BB	0.0597	12.32850	0.2147	?

Sample Name: GR-15-113

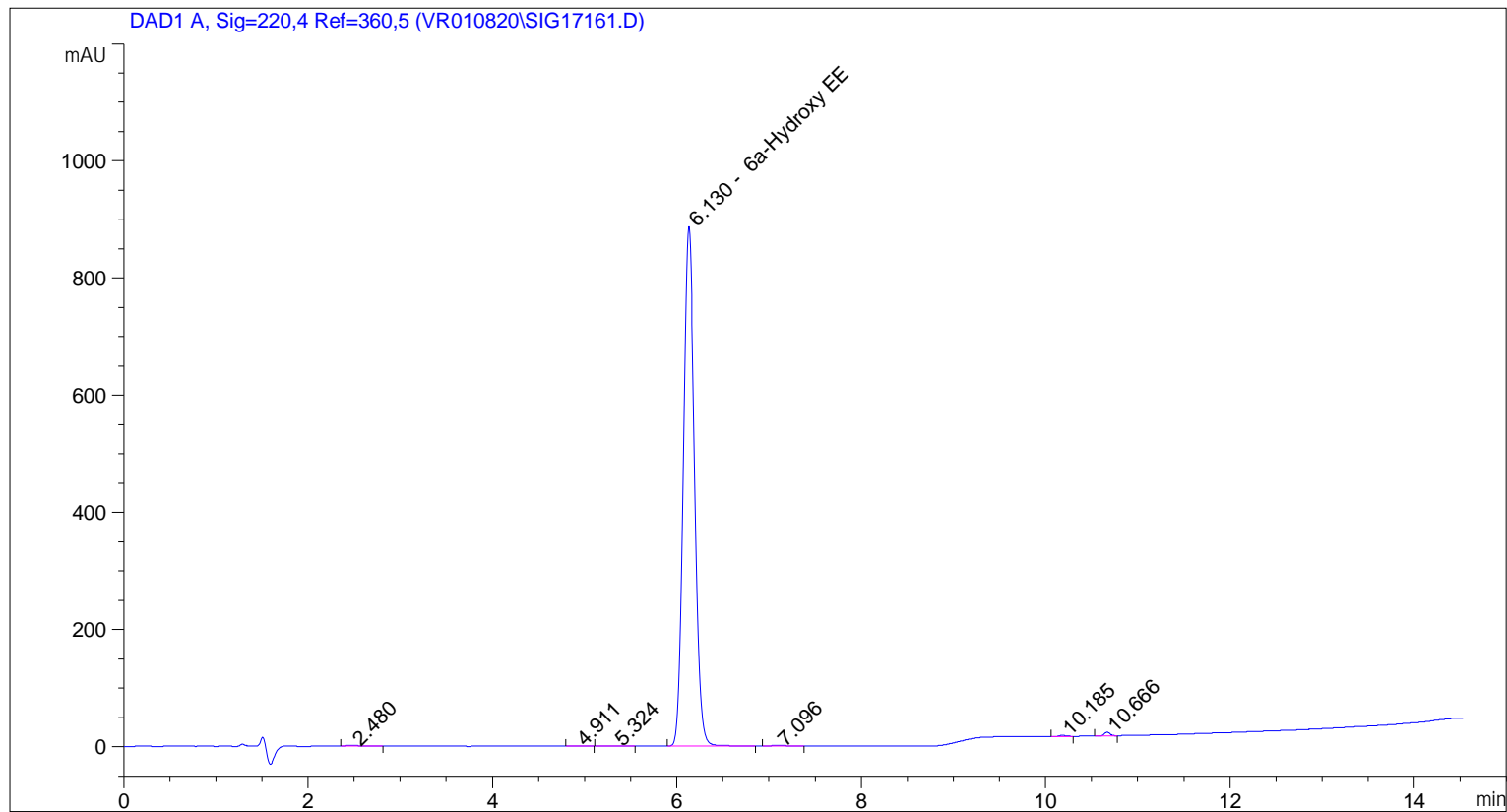
Totals : 5741.60898

=====

*** End of Report ***

```

=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 46
Injection Date  : 10/7/2020 9:45:37 AM
                                           Inj Volume : 10.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR_100720_113.M
Last changed    : 10/7/2020 9:44:35 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR_100720_113PM.M
Last changed    : 10/7/2020 10:21:51 AM by vrusu
  
```



=====
 Area Percent Report
 =====

```

Sorted By           :      Signal
Calib. Data Modified :      10/7/2020 10:04:09 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=220,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.480	BB	0.1401	11.96594	0.1573	?
2	4.911	BB	0.1172	5.31387	0.0698	?
3	5.324	BB	0.1509	7.59751	0.0998	?
4	6.130	BB	0.1310	7533.56885	99.0051	6a-Hydroxy EE
5	7.096	BB	0.1571	13.57384	0.1784	?
6	10.185	BB	0.0814	10.68832	0.1405	?
7	10.666	BB	0.0646	26.56672	0.3491	?

Sample Name: GR-15-113

Totals : 7609.27506

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*** End of Report ***