

Name:	6(7)-Dehydro Fulvestrant-9-sulfone
Lot#:	GR-3-259P
Test Date:	11/25/2021 (re-test date: 11/25/2026)
CAS No.:	NA
MF:	C ₃₂ H ₄₅ F ₅ O ₄ S
MW:	620.75
Appearance:	Off-white solid
Purity:	95.5% by HPLC (average of two sample preparations)
¹H-NMR:	Conforms
MS-ESI (+)	Conforms (shows peaks at m/z=603.29 [M-H ₂ O+H] ⁺ and 621.29 [M+H] ⁺ and 643.28 [M+Na] ⁺)
Storage	Store at -18°C in a dry place away from direct sunlight

Approved by:

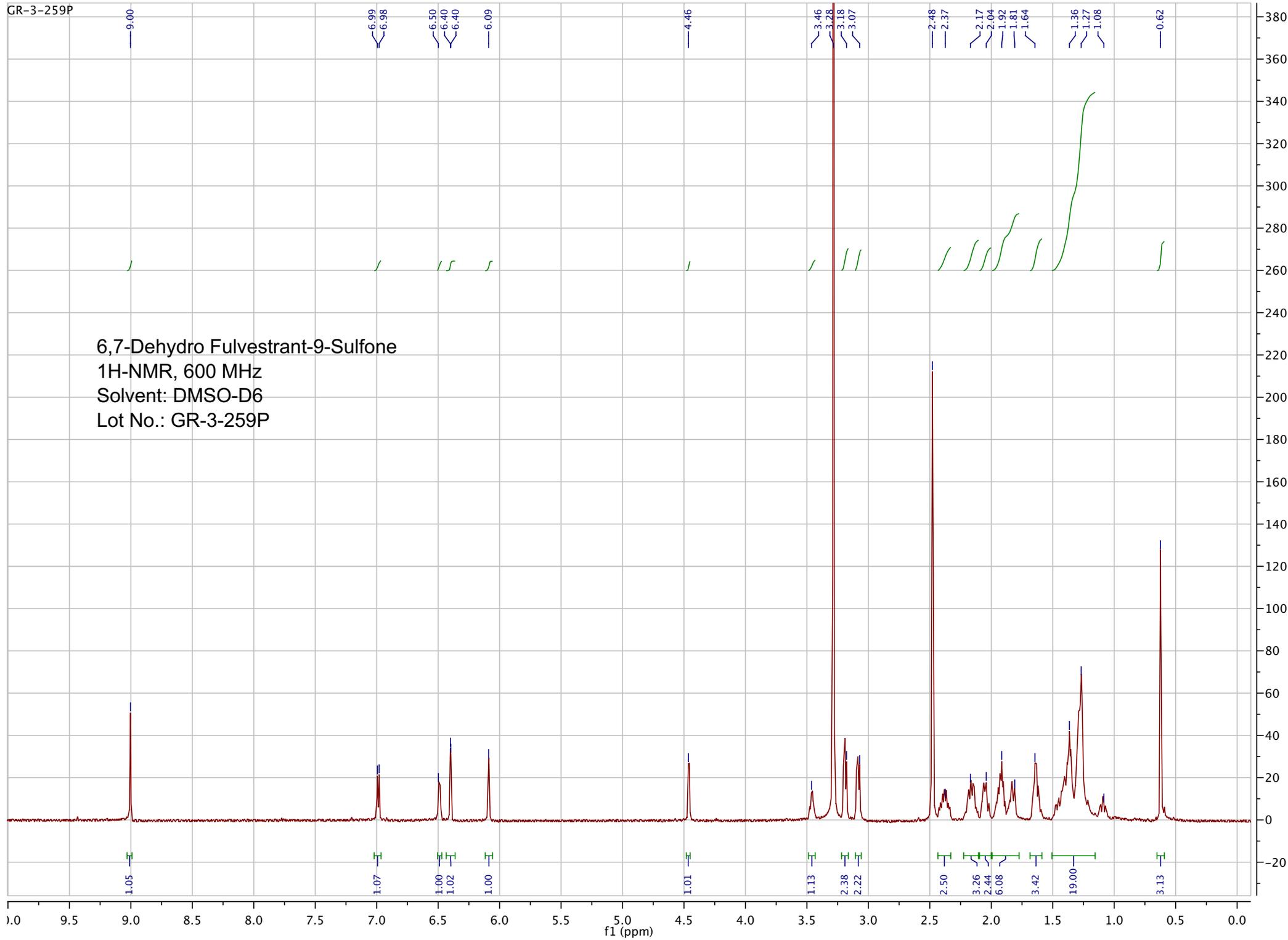
Date: 11/25/2021



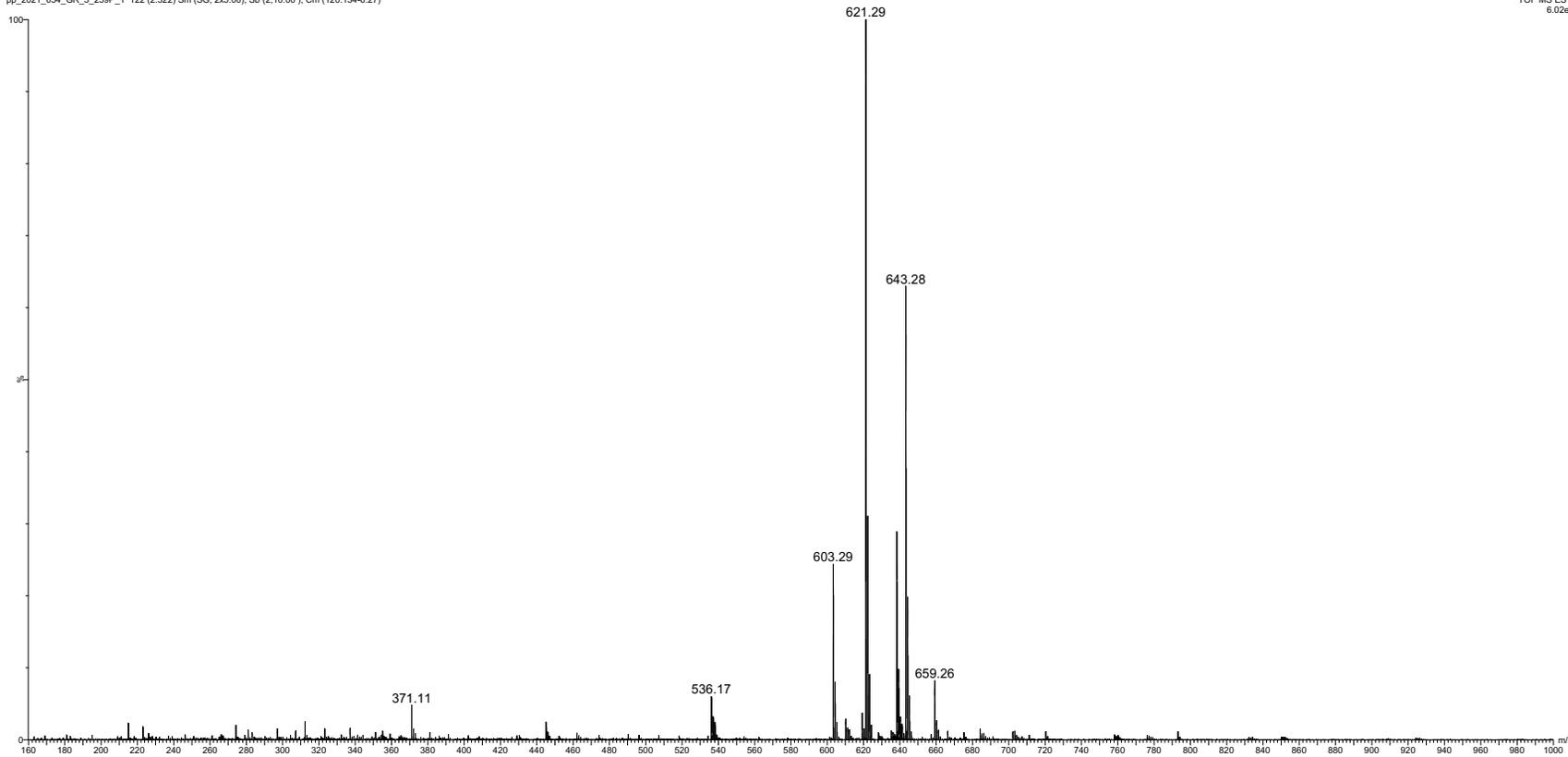
Viorica Rusu, QC/QA Manager

GR-3-259P

6,7-Dehydro Fulvestrant-9-Sulfone
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-3-259P



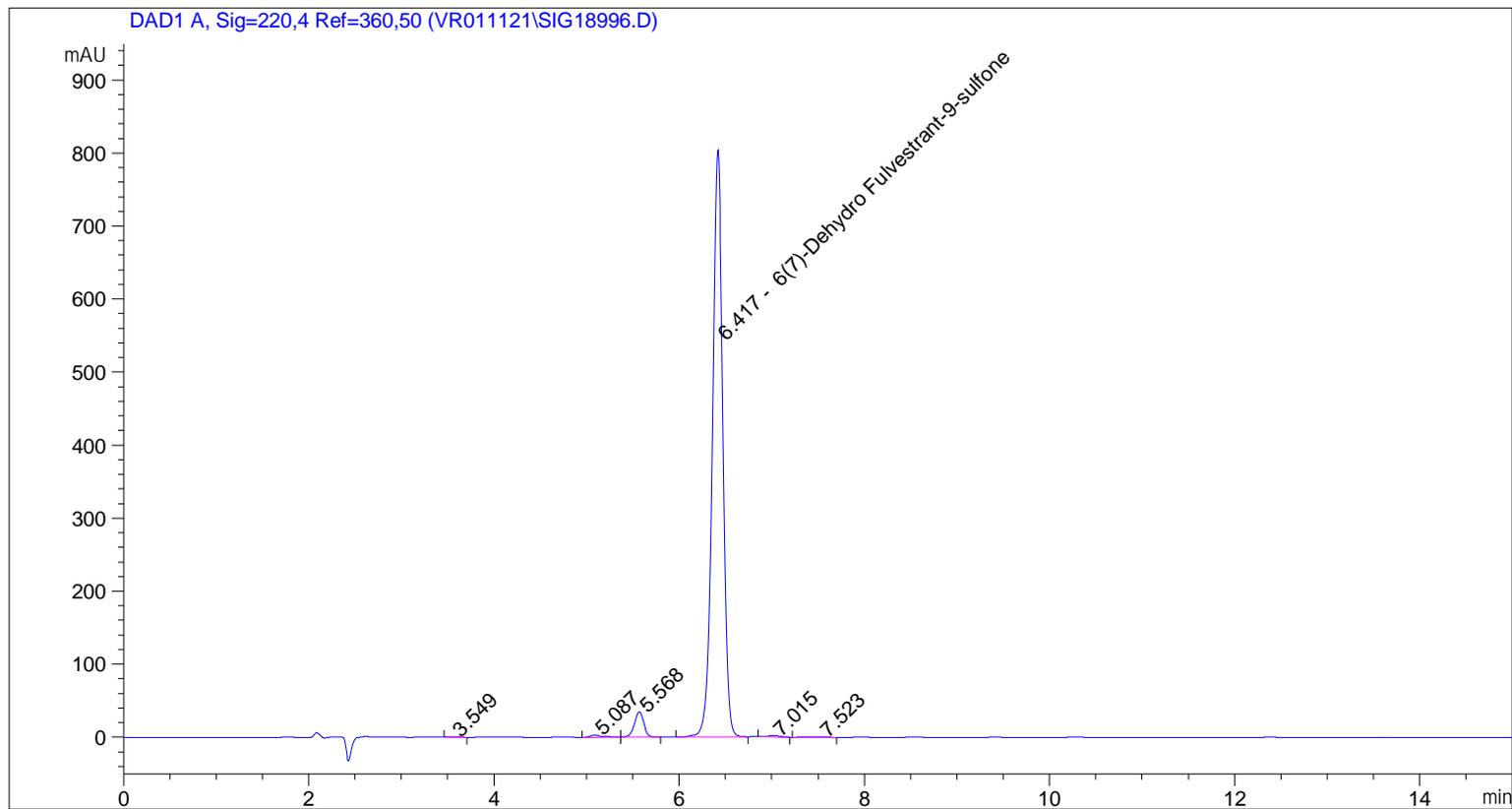
pp_2021_054_GR_3_259P_1 122 (2.322) Sm (SG, 2x5.00); Sb (2,10.00); Cm (120:134-6.27)



ESI-MS spectrum for sample GR-3-259P. Shows monoisotopic $[M+H]^+$ mass.

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 94
Injection Date  : 11/25/2021 8:58:56 AM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR112521_259.M
Last changed    : 11/25/2021 8:54:25 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR112521_259PM.M
Last changed    : 11/25/2021 9:28:56 AM by vrusu
  
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 Area Percent Report
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Sorted By           :      Signal
Calib. Data Modified :      11/25/2021 9:22:39 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=220,4 Ref=360,50

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.549	BB	0.0934	3.32184	0.0499	?
2	5.087	BB	0.1262	27.57203	0.4141	?
3	5.568	BB	0.1070	240.59119	3.6133	?
4	6.417	BB	0.1223	6362.41748	95.5542	6(7)-Dehydro Fulvestrant-9-sulfone
5	7.015	BB	0.1615	16.00809	0.2404	?
6	7.523	BB	0.1919	8.53019	0.1281	?

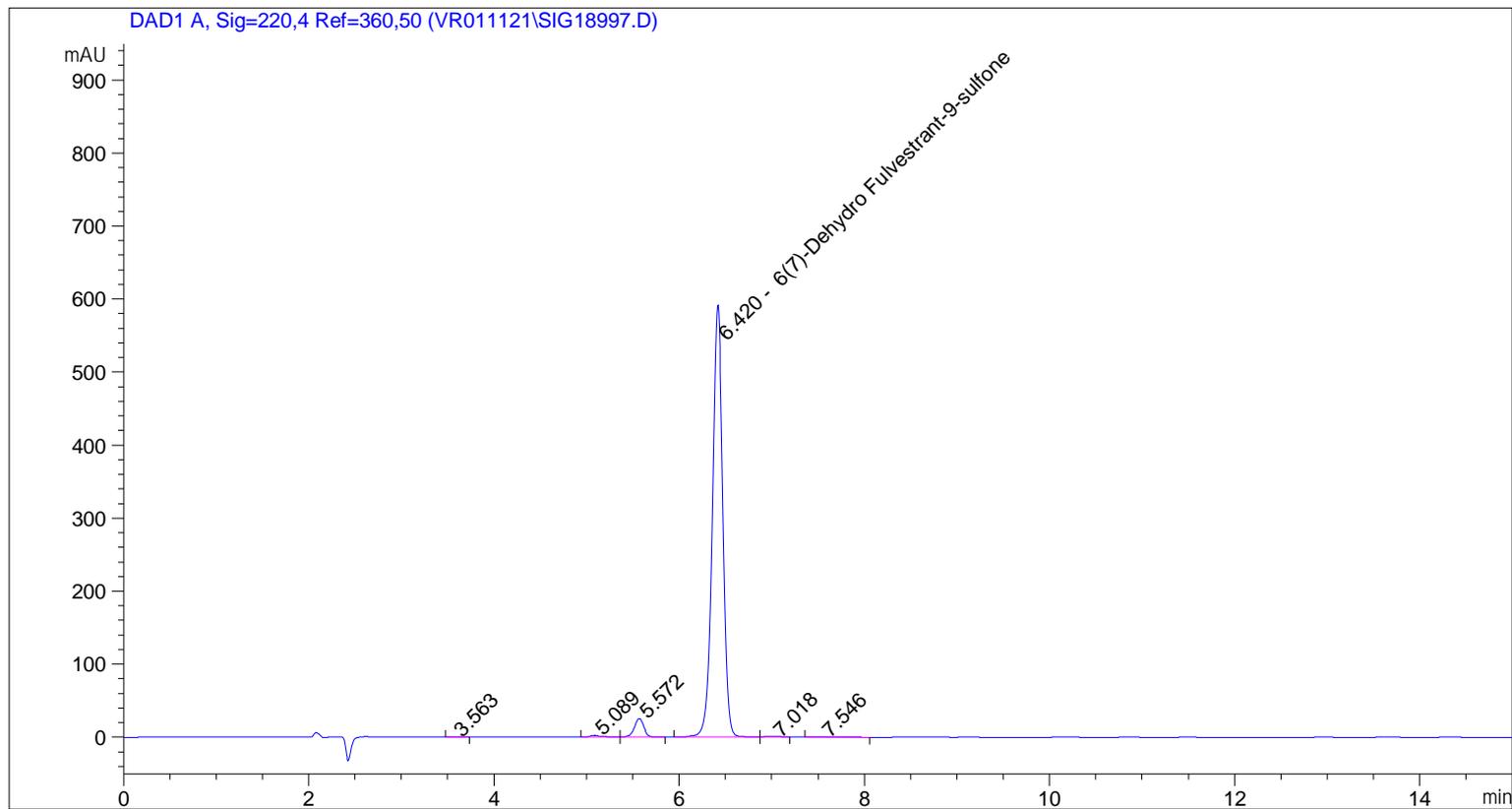
Totals : 6658.44081

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*** End of Report ***

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 95
Injection Date  : 11/25/2021 9:17:40 AM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR112521_259.M
Last changed    : 11/25/2021 9:16:44 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR112521_259PM.M
Last changed    : 11/25/2021 9:28:56 AM by vrusu
  
```



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 Area Percent Report
 =====

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Sorted By           :      Signal
Calib. Data Modified :      11/25/2021 9:22:39 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=220,4 Ref=360,50

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.563	BB	0.0990	2.74335	0.0559	?
2	5.089	BB	0.1213	19.71636	0.4017	?
3	5.572	BB	0.1085	181.28351	3.6930	?
4	6.420	BB	0.1224	4688.97314	95.5210	6(7)-Dehydro Fulvestrant-9-sulfone
5	7.018	BB	0.1587	9.47598	0.1930	?
6	7.546	BB	0.2333	6.64692	0.1354	?

Totals : 4908.83926

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*** End of Report ***