

Name: 6-Keto Gestodene

Lot#: GR-16-045

Test Date: 06/07/2021 (re-test date: 06/07/2026)

CAS No.: 2143949-52-2

MF: C₂₁H₂₄O₃

MW: 324.41

Appearance: Pale yellow solid

Purity: 99.3% by HPLC (average of two sample preparations)

¹H-NMR: Conforms (contains a trace of EtOAc)

MS-ESI (+) Conforms (shows peaks at m/z = 325.18 [M+H]⁺)

Storage Store at 0-8°C in a dry place away from direct sunlight

Approved by:

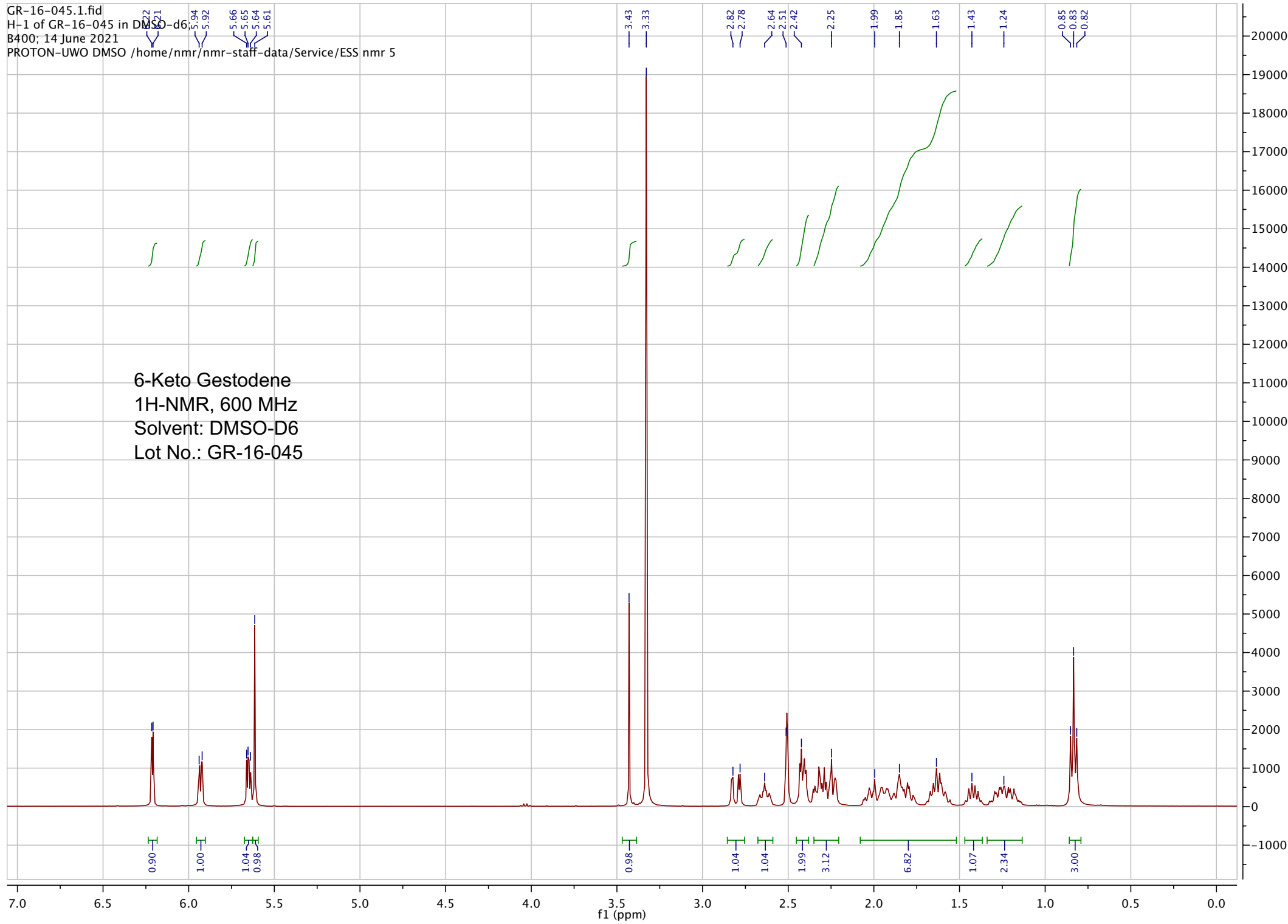
Date: 06/22/2021



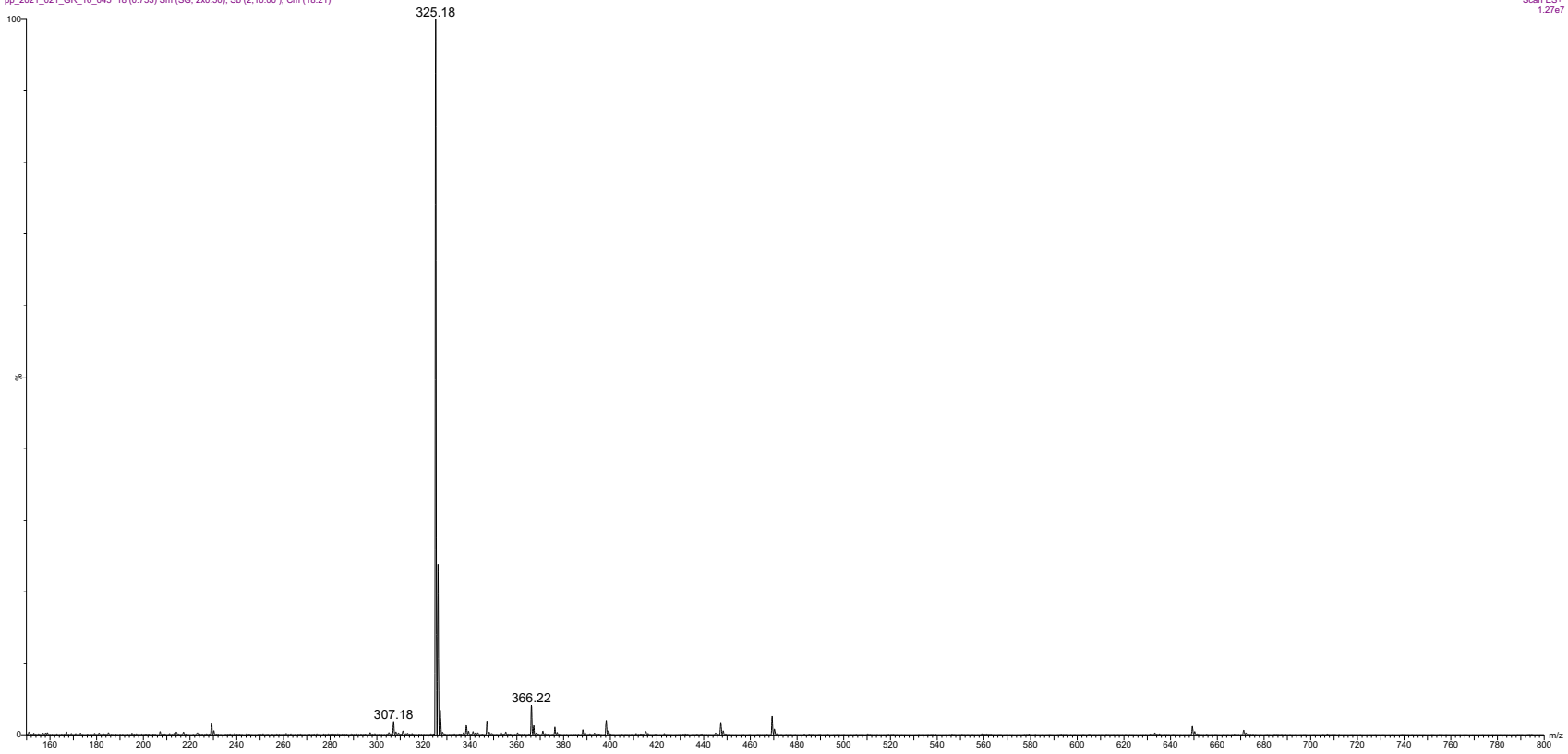
Viorica Rusu, QC/QA Manager

GR-16-045.1.fid
H-1 of GR-16-045 in DMSO-d6
B400; 14 June 2021
PROTON-UWO DMSO /home/nmr/nmr-staff-data/Service/ESS nmr 5

6-Keto Gestodene
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-16-045



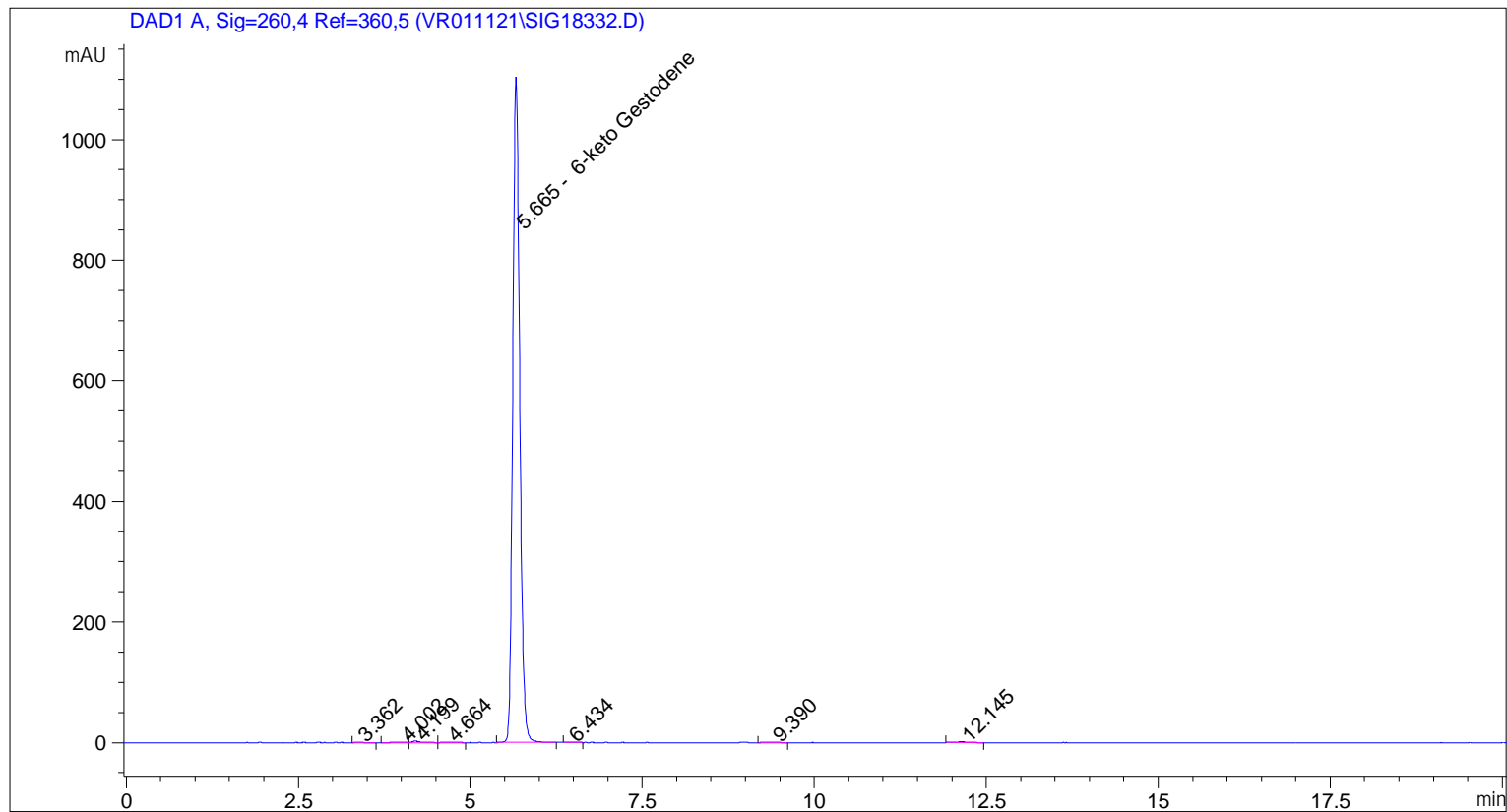
pp_2021_021_GR_16_045_18 (0.753) Sm (SG, 2x0.50); Sb (2,10.00); Cm (18:21)



ESI-MS spectrum for sample GR-16-045. Shows monoisotopic $[M+H]^+$ mass.

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 88
Injection Date  : 6/7/2021 1:44:58 PM
                                           Inj Volume : 5.0 µl
Acq. Method    : C:\CHEM32\1\METHODS\VR060721_045.M
Last changed   : 6/7/2021 1:43:56 PM by vrusu
Analysis Method: C:\CHEM32\1\METHODS\VR060721_045PM.M
Last changed   : 6/7/2021 2:40:27 PM by vrusu
  
```



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 Area Percent Report
 =====

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Sorted By           : Signal
Calib. Data Modified : 6/7/2021 2:39:50 PM
Multiplier          : 1.0000
Dilution            : 1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=260,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.362	BB	0.0920	1.93377	0.0246	?
2	4.002	BV	0.1208	8.18515	0.1043	?
3	4.199	VV	0.1084	20.38481	0.2597	?
4	4.664	VB	0.1259	4.91717	0.0627	?
5	5.665	BB	0.1102	7789.84717	99.2603	6-keto Gestodene
6	6.434	BB	0.1110	1.62134	0.0207	?
7	9.390	BB	0.1502	5.48191	0.0699	?
8	12.145	BB	0.1735	15.53001	0.1979	?

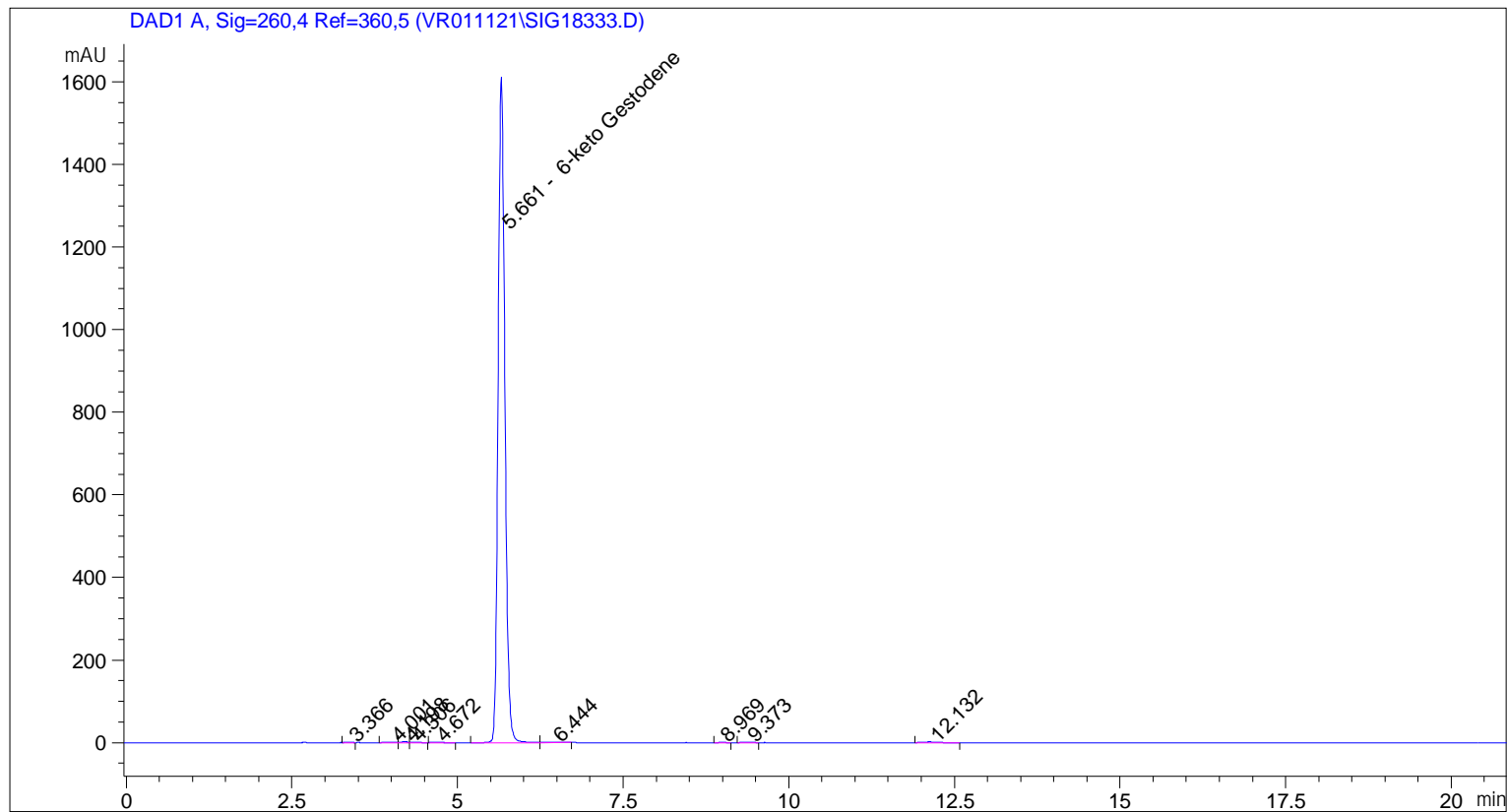
Sample Name: GR-16-045

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
Totals :				7847.90133		

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*** End of Report ***

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 89
Injection Date  : 6/7/2021 2:07:44 PM
                                           Inj Volume : 5.0 µl
Acq. Method    : C:\CHEM32\1\METHODS\VR060721_045.M
Last changed   : 6/7/2021 2:06:35 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR060721_045PM.M
Last changed   : 6/7/2021 2:40:27 PM by vrusu
  
```



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 Area Percent Report
 =====

```

Sorted By      : Signal
Calib. Data Modified : 6/7/2021 2:39:50 PM
Multiplier:    : 1.0000
Dilution:     : 1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=260,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.366	BB	0.0741	1.58949	0.0138	?
2	4.001	BV	0.1073	10.28343	0.0892	?
3	4.198	VV	0.0901	14.32202	0.1242	?
4	4.306	VB	0.0748	5.42900	0.0471	?
5	4.672	BB	0.1264	5.91876	0.0513	?
6	5.661	BV	0.1089	1.14571e4	99.3368	6-keto Gestodene
7	6.444	VB	0.1958	8.87792	0.0770	?
8	8.969	BB	0.1273	1.74828	0.0152	?

Sample Name: GR-16-045 spl-2

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	9.373	BV	0.1248	5.85550	0.0508	?
10	12.132	BB	0.1863	22.46647	0.1948	?

Totals : 1.15336e4

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*** End of Report ***