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|---------------------------|-----------------------------------------------------------------------|
| Name: | <i>syn/anti-17-Desacetyl Norgestimate</i> |
| Lot#: | GR-10-153 |
| Test Date: | 02/08/2024 (re-test date: 02/08/2029) |
| CAS No.: | 53016-31-2 |
| MF: | C ₂₁ H ₂₉ NO ₂ |
| MW: | 327.46 |
| Appearance: | White solid |
| Purity: | 99.7% (sum of two peaks) by HPLC (average of two sample preparations) |
| ¹H-NMR: | Conforms |
| MS-ESI (+) | Conforms (shows peak at m/z = 328.21 [M+H] ⁺) |
| Storage | Store at 0-5°C in a dry place away from direct sunlight |

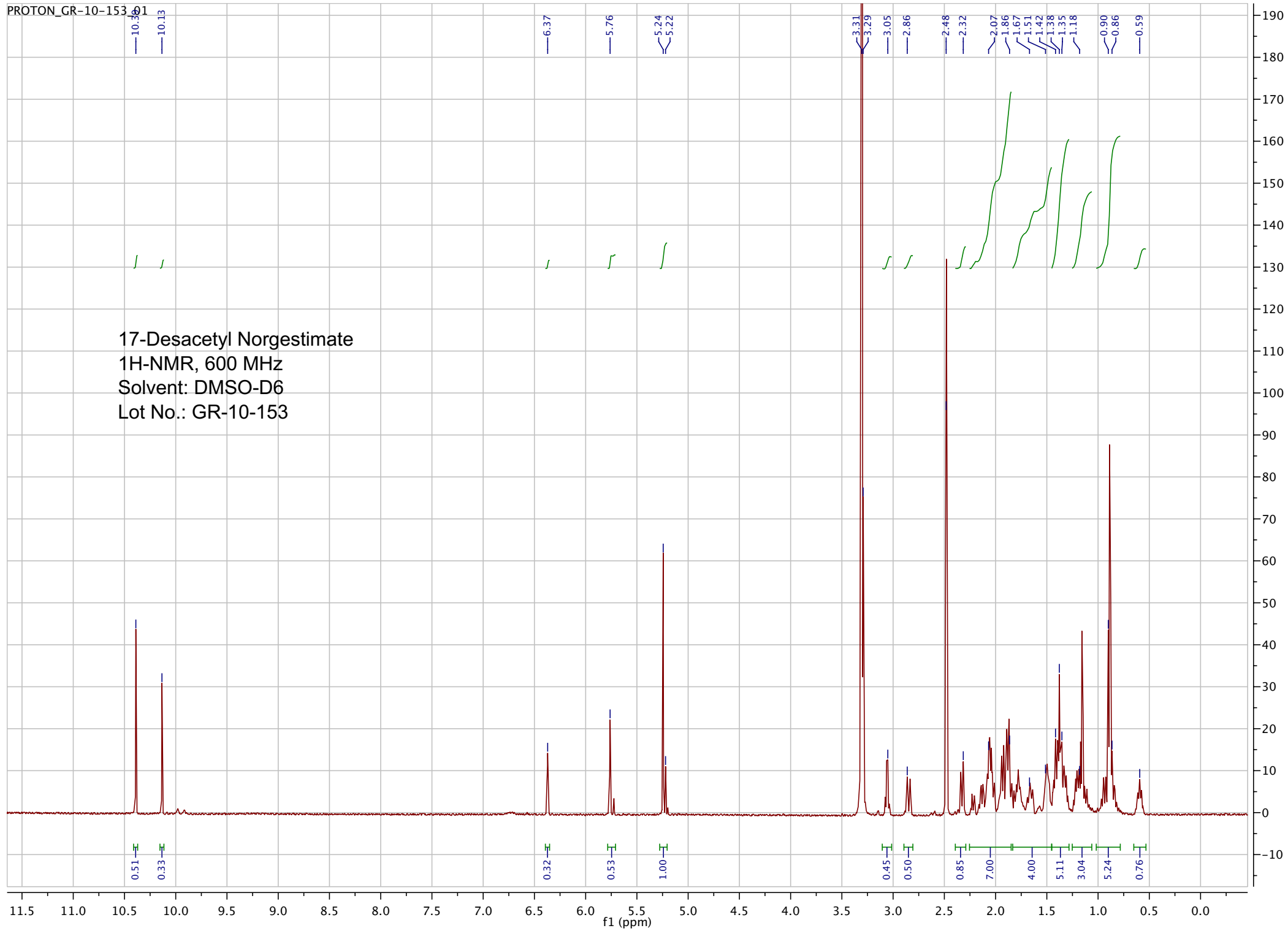
Approved by:

Date: 02/08/2024



Viorica Rusu, QC/QA Manager

17-Desacetyl Norgestimate
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-10-153

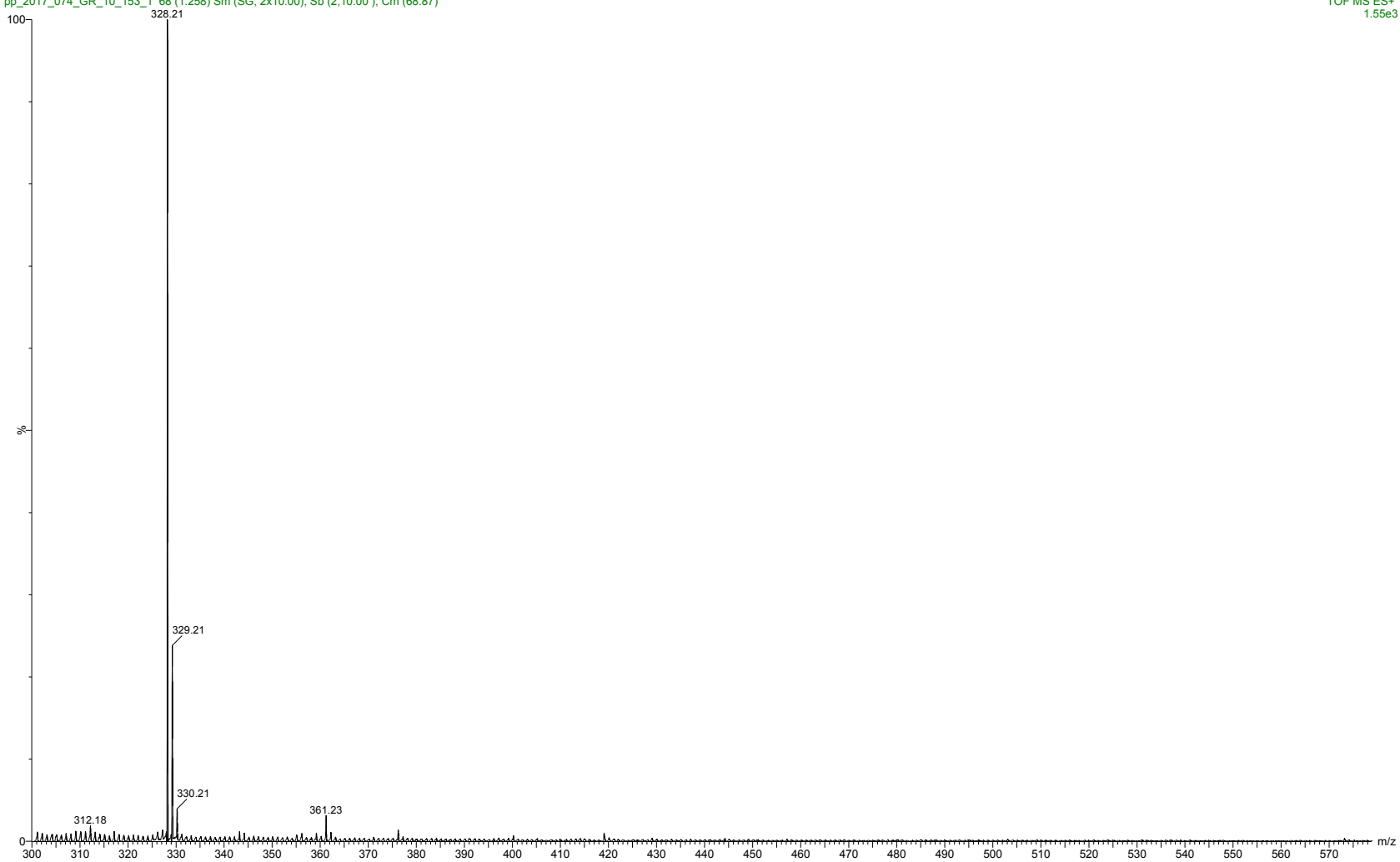


pp_2017_074_GR_10_153_1 68 (1.258) Sm (SG, 2x10.00); Sb (2,10.00); Cm (68:87)

7.00000000

18-Jul-2017, 13:45:22

TOF MS ES+
1.55e3

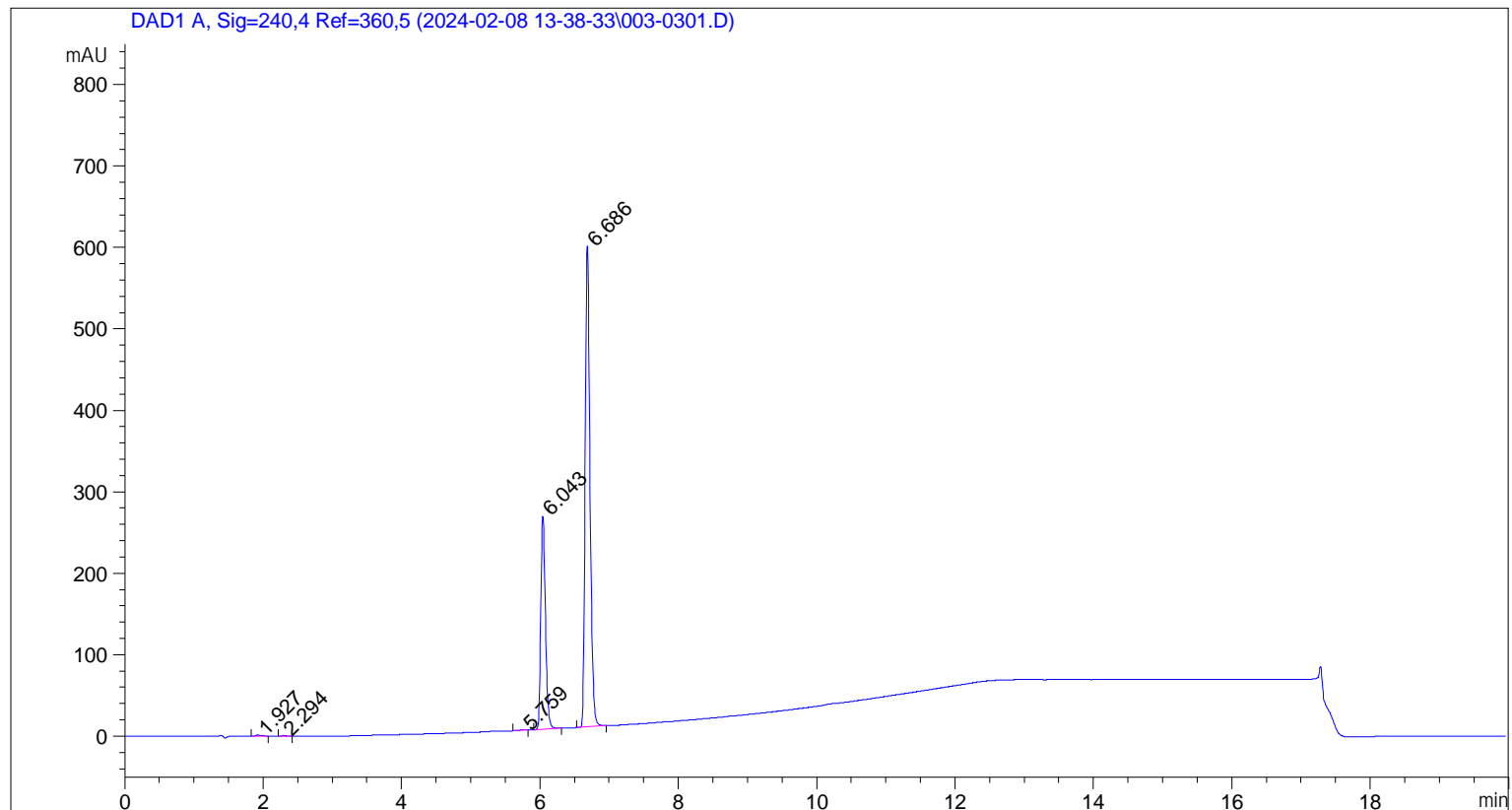


ESI-MS spectrum for sample GR-10-153. Shows monoisotopic $[M+H]^+$ mass.

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=====
Acq. Operator   : vrusu                      Seq. Line :    3
Acq. Instrument : Instrument 1                Location  : Vial 3
Injection Date  : 2/8/2024 2:22:24 PM      Inj       :    1
                                                Inj Volume: 5.0 µl

Acq. Method     : C:\CHEM32\1\DATA\2024-02-08 13-38-33\VR020824_153.M
Last changed    : 2/8/2024 1:34:30 PM by vrusu
Analysis Method  : C:\CHEM32\1\METHODS\VR020824_153_PM.M
Last changed    : 2/8/2024 2:52:10 PM by vrusu
  
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 Area Percent Report
 =====

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Sorted By      :      Signal
Multiplier:    :      1.0000
Dilution:      :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=240,4 Ref=360,5

| Peak # | RetTime [min] | Type | Width [min] | Area [mAU*s] | Height [mAU] | Area % |
|--------|---------------|------|-------------|--------------|--------------|---------|
| 1 | 1.927 | BB | 0.0739 | 5.33186 | 1.07457 | 0.1307 |
| 2 | 2.294 | BB | 0.0735 | 8.56956e-1 | 1.80024e-1 | 0.0210 |
| 3 | 5.759 | BB | 0.0929 | 3.55816 | 5.54479e-1 | 0.0872 |
| 4 | 6.043 | BB | 0.0699 | 1211.89307 | 262.38147 | 29.7148 |
| 5 | 6.686 | BB | 0.0744 | 2856.77441 | 590.54468 | 70.0462 |

Totals : 4078.41446 854.73522

Sample Name: GR-10-153 spl-2

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*** End of Report ***

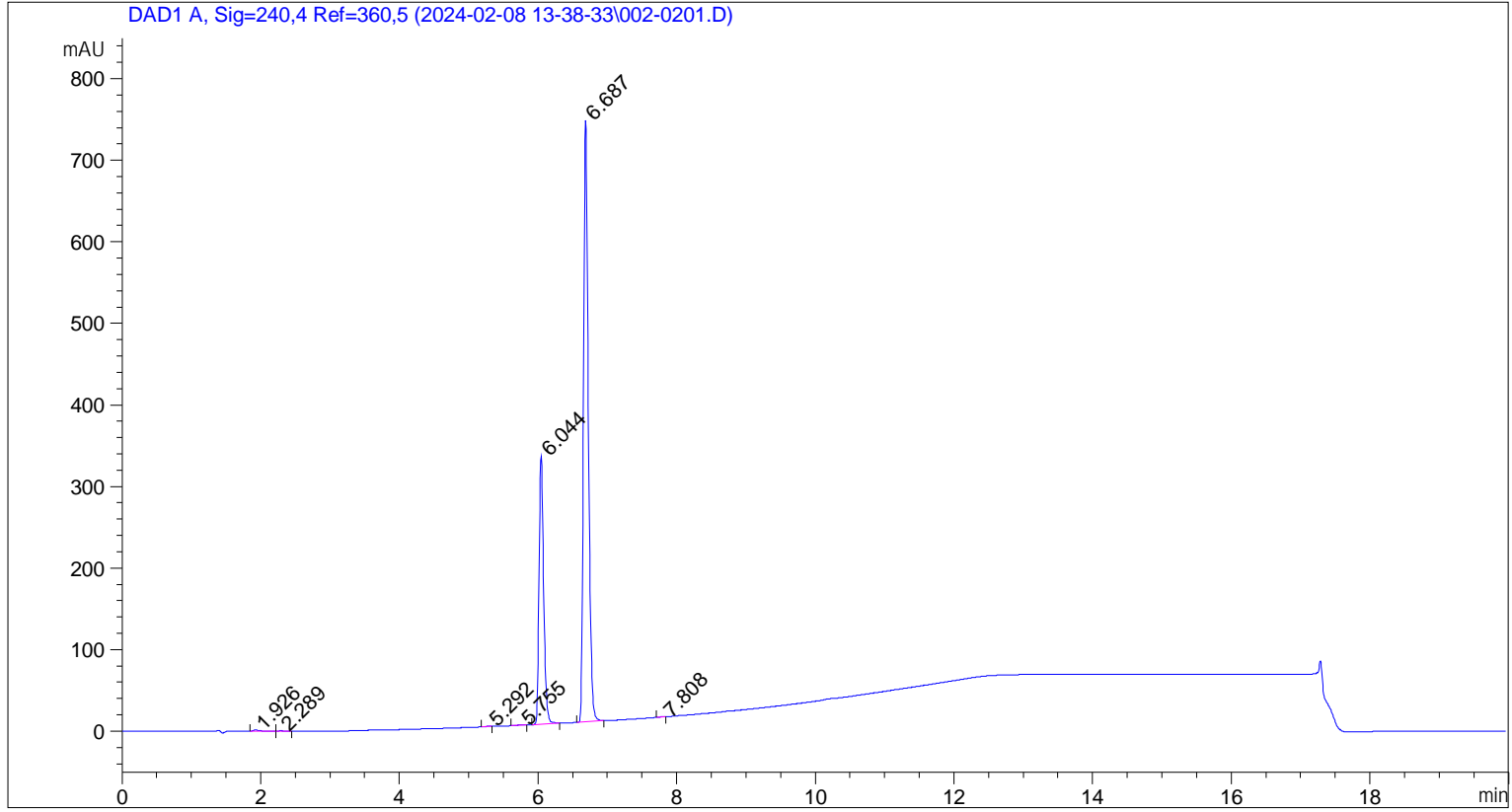
Sample Name: GR-10-153

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=====
Acq. Operator   : vrusu                               Seq. Line :    2
Acq. Instrument : Instrument 1                         Location  : Vial 2
Injection Date  : 2/8/2024 2:01:03 PM                 Inj       :    1
                                                    Inj Volume: 5.0 µl

Acq. Method     : C:\CHEM32\1\DATA\2024-02-08 13-38-33\VR020824_153.M
Last changed    : 2/8/2024 1:34:30 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR020824_153_PM.M
Last changed    : 2/8/2024 2:52:10 PM by vrusu
=====

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=====
                          Area Percent Report
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Sorted By           :      Signal
Multiplier:         :      1.0000
Dilution:           :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs

```

Signal 1: DAD1 A, Sig=240,4 Ref=360,5

| Peak # | RetTime [min] | Type | Width [min] | Area [mAU*s] | Height [mAU] | Area % |
|--------|---------------|------|-------------|--------------|--------------|---------|
| 1 | 1.926 | BB | 0.0734 | 6.38321 | 1.29669 | 0.1250 |
| 2 | 2.289 | BB | 0.0750 | 9.75418e-1 | 1.86504e-1 | 0.0191 |
| 3 | 5.292 | BB | 0.1053 | 1.62811 | 2.59062e-1 | 0.0319 |
| 4 | 5.755 | BB | 0.0871 | 4.14366 | 6.80390e-1 | 0.0811 |
| 5 | 6.044 | BB | 0.0699 | 1520.16016 | 329.02368 | 29.7573 |
| 6 | 6.687 | BB | 0.0745 | 3573.61084 | 738.46790 | 69.9538 |
| 7 | 7.808 | BB | 0.0703 | 1.62819 | 3.77481e-1 | 0.0319 |

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Totals :                               5108.52958 1070.29170
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Sample Name: GR-10-153

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*** End of Report ***