


Name:	9,11-Dehydro-17β-Estradiol-17-Valerate
Lot#:	GR-11-037
Test Date:	02/08/2024 (re-test date: 02/08/2029)
CAS No.:	95959-20-9
MF:	C ₂₃ H ₃₀ O ₃
MW:	354.48
Appearance:	White Solid
Purity:	98.8% by HPLC (average of two sample preparations)
¹H-NMR:	Conforms
MS-ESI (+)	Conforms (shows peak at m/z = 355.22 [M+H] ⁺ ; note: under the MS conditions this compound undergoes further dehydrogenation illustrated by the presence of the peaks at m/z = 354.21 & 353.21 [M-H ₂ +H] ⁺)
Storage	Store at 0-8°C in a dry place away from direct sunlight

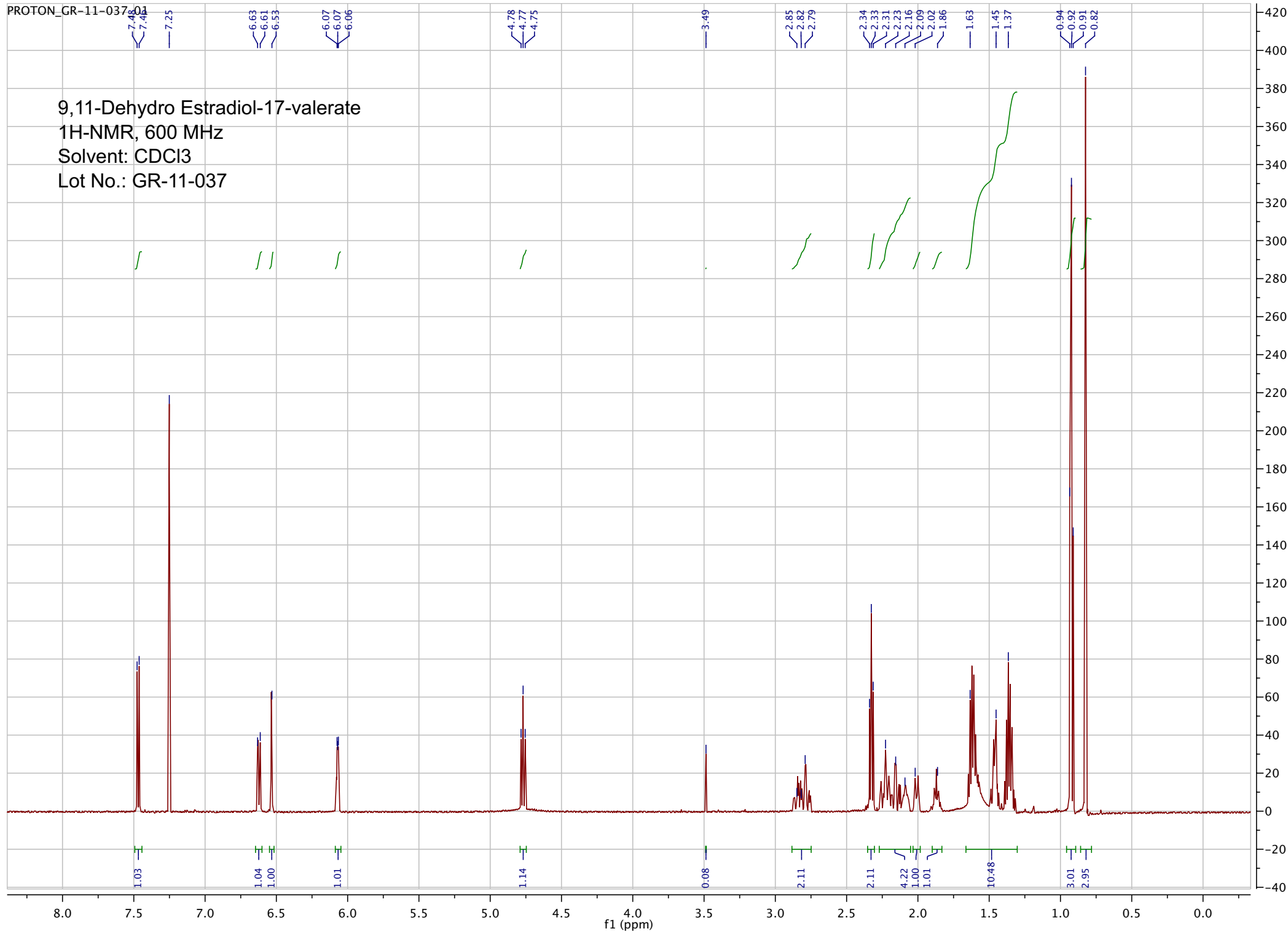
Approved by:

Date: 02/08/2024



Viorica Rusu, QC/QA Manager

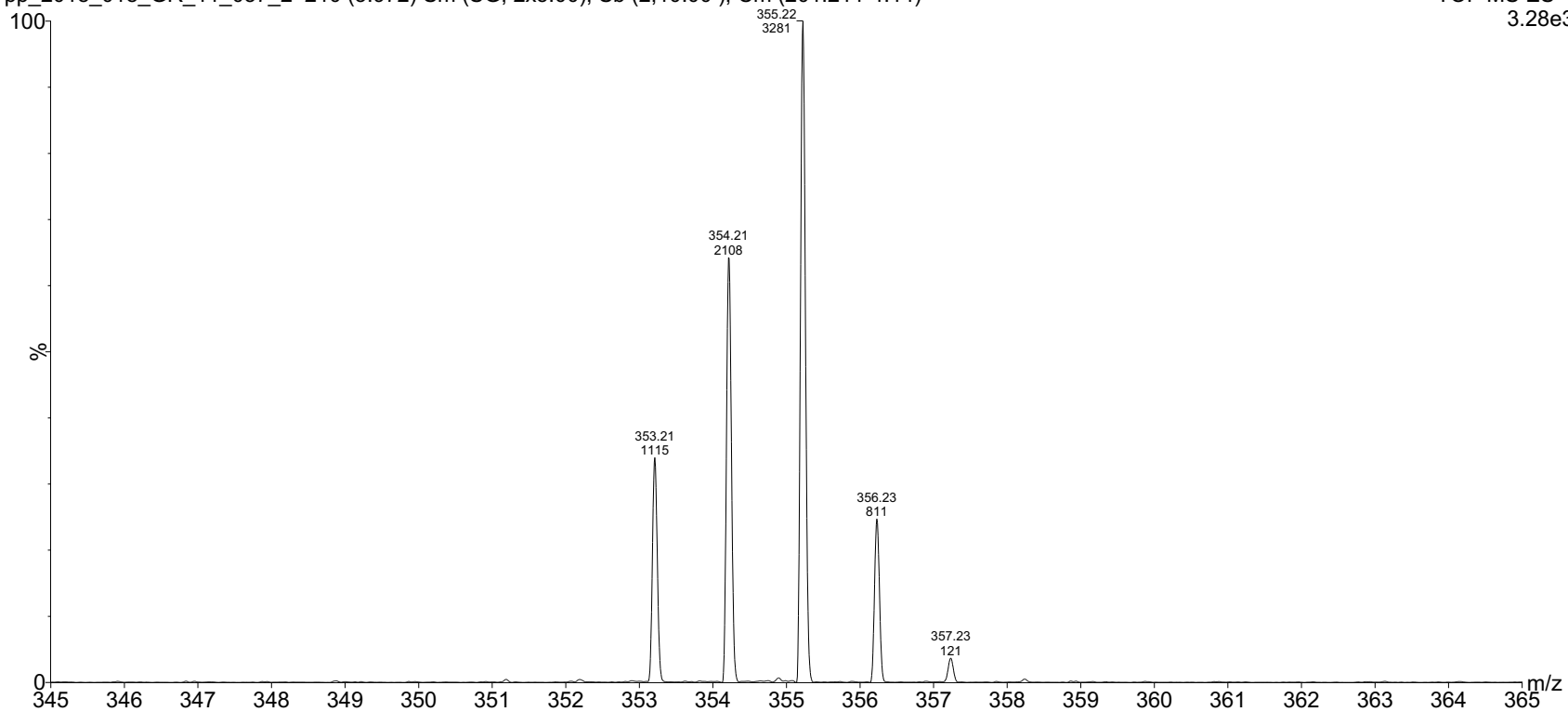
9,11-Dehydro Estradiol-17-valerate
1H-NMR, 600 MHz
Solvent: CDCl3
Lot No.: GR-11-037



14-Feb-2018, 17:39:05

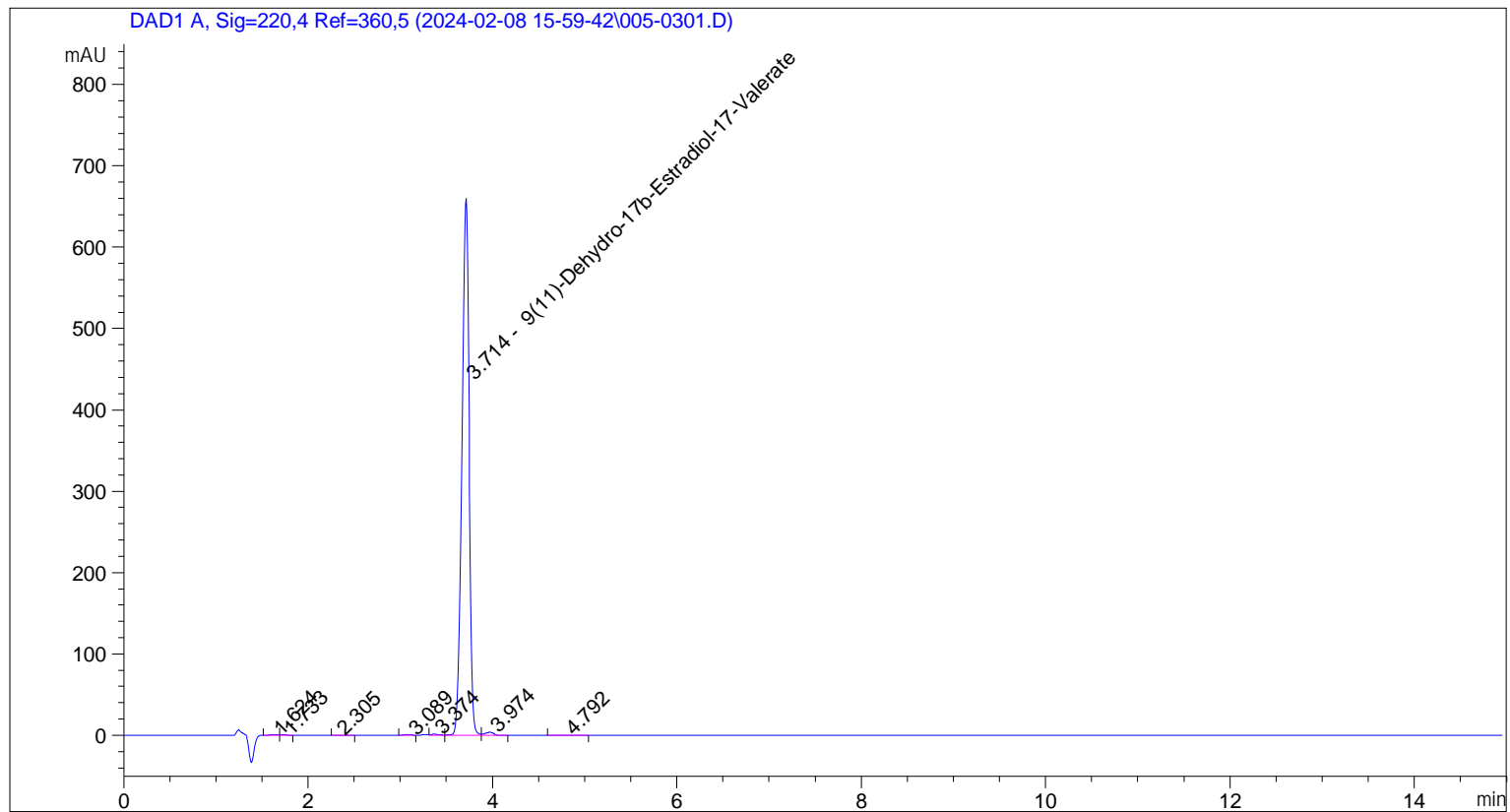
TOF MS ES+
3.28e3

pp_2018_018_GR_11_037_2 210 (3.972) Sm (SG, 2x5.00); Sb (2,10.00); Cm (201:211-4:14)



ESI-MS spectrum for sample GR-11-037. Shows monoisotopic [M+H]⁺ mass.

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=====
Acq. Operator   : vrusu                               Seq. Line :    3
Acq. Instrument : Instrument 1                         Location  : Vial 5
Injection Date  : 2/8/2024 4:33:35 PM                 Inj       :    1
                                                    Inj Volume: 5.0 µl
Acq. Method    : C:\CHEM32\1\DATA\2024-02-08 15-59-42\VR020824_037.M
Last changed   : 2/8/2024 3:59:40 PM by vrusu
Analysis Method: C:\CHEM32\1\METHODS\VR020924_037_PM.M
Last changed   : 2/9/2024 7:32:02 AM by vrusu
=====
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                          Area Percent Report
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Sorted By      :      Signal
Calib. Data Modified :      2/9/2024 7:28:36 AM
Multiplier:    :      1.0000
Dilution:     :      1.0000
Do not 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	3.714	BV	0.0840	3624.22632	98.7924	9(11)-Dehydro-17b-Estradiol-17-Valerate

Totals : 3624.22632 98.7924

Uncalibrated Peaks:

Sample Name: GR-11-037 spl-2

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	1.624	BV	0.0655	4.30426	0.1173	?
2	1.733	VV	0.0701	2.62985	0.0717	?
3	2.305	VB	0.1248	2.22612	0.0607	?
4	3.089	VB	0.0730	3.88728	0.1060	?
5	3.374	VB	0.0740	5.29689	0.1444	?
6	3.974	VB	0.0964	23.29813	0.6351	?
7	4.792	VB	0.1188	2.65987	0.0725	?

Uncalib. totals : 44.30239 1.2076

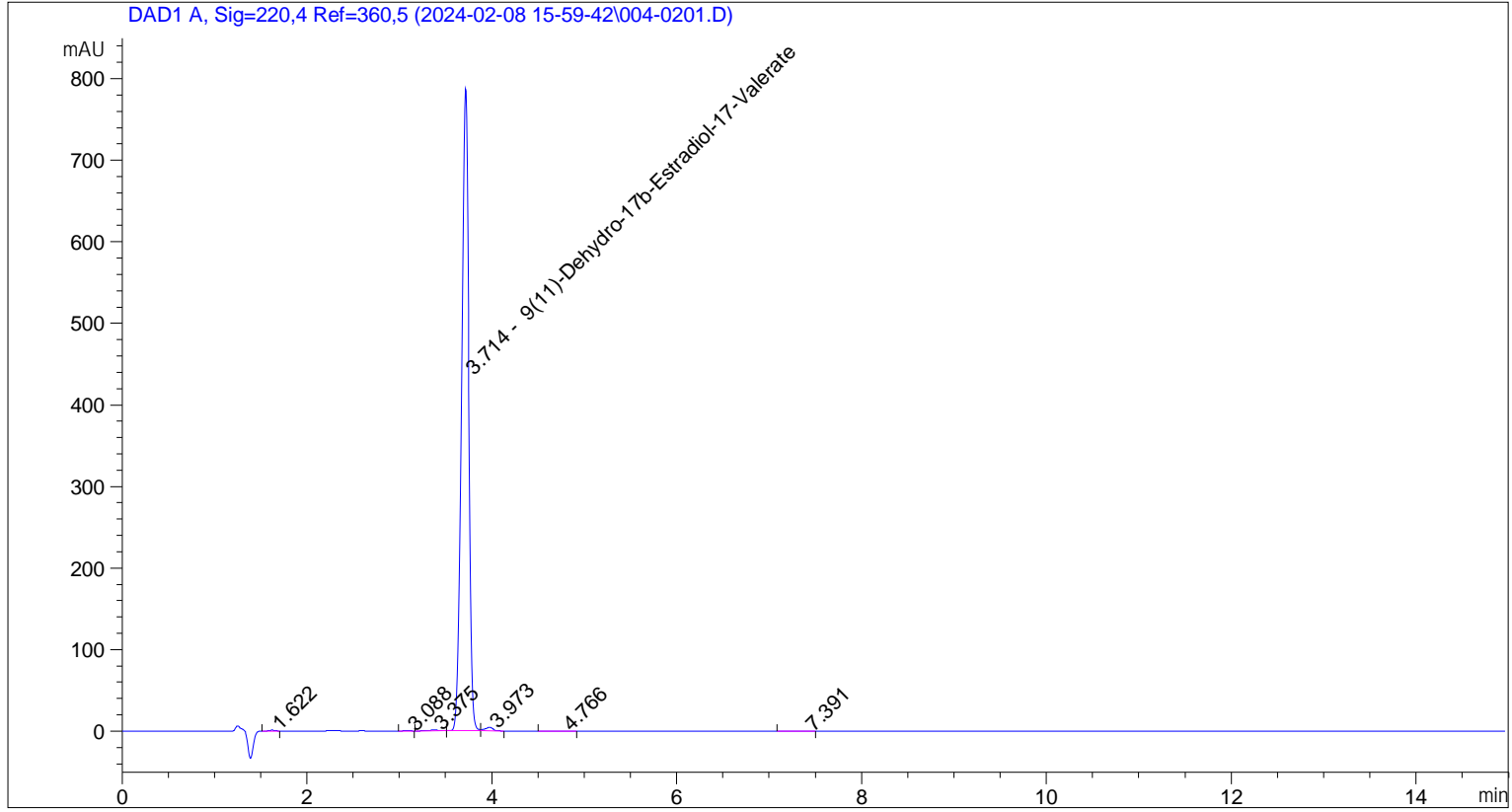
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*** End of Report ***

Sample Name: GR-11-037

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=====
Acq. Operator   : vrusu                               Seq. Line :    2
Acq. Instrument : Instrument 1                         Location  : Vial 4
Injection Date  : 2/8/2024 4:17:15 PM                 Inj       :    1
                                                    Inj Volume: 5.0 µl
Acq. Method     : C:\CHEM32\1\DATA\2024-02-08 15-59-42\VR020824_037.M
Last changed    : 2/8/2024 3:59:40 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR020924_037_PM.M
Last changed    : 2/9/2024 7:32:02 AM by vrusu
=====

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

```

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Sorted By           :      Signal
Calib. Data Modified :      2/9/2024 7:28:36 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Do not 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	3.714	BV	0.0837	4310.21631	98.8370	9(11)-Dehydro-17b-Estradiol-17-Valerate

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Totals :                      4310.21631  98.8370
```

Uncalibrated Peaks:

Sample Name: GR-11-037

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	1.622	BV	0.0648	4.60978	0.1057	?
2	3.088	BB	0.0645	4.10461	0.0941	?
3	3.375	BB	0.0979	9.34176	0.2142	?
4	3.973	VV	0.0943	27.25642	0.6250	?
5	4.766	BB	0.1502	3.21865	0.0738	?
6	7.391	BB	0.1992	2.18541	0.0501	?

Uncalib. totals : 50.71665 1.1630

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*** End of Report ***