

Name:	6β-Hydroxy Mestranol
Lot#:	GR-15-137
Test Date:	11/18/2020 (re-test date: 11/18/2025)
CAS No.:	51414-86-9
MF:	C ₂₁ H ₂₆ O ₃
MW:	326.43
Appearance:	White solid
Purity:	99.2% by HPLC (average of two sample preparations)
¹H-NMR:	Conforms
MS-ESI (+)	Conforms (shows peak at m/z = 325.18 [M-H ₂ +H] ⁺ and 309.18 [M-H ₂ O+H] ⁺ ; Note: during the ionization the substrate undergoes instantaneous oxidation with traces of O ₂ in the system)
Storage	Long term store at 0 - 5° C in a dry place away from direct sunlight

Approved by:

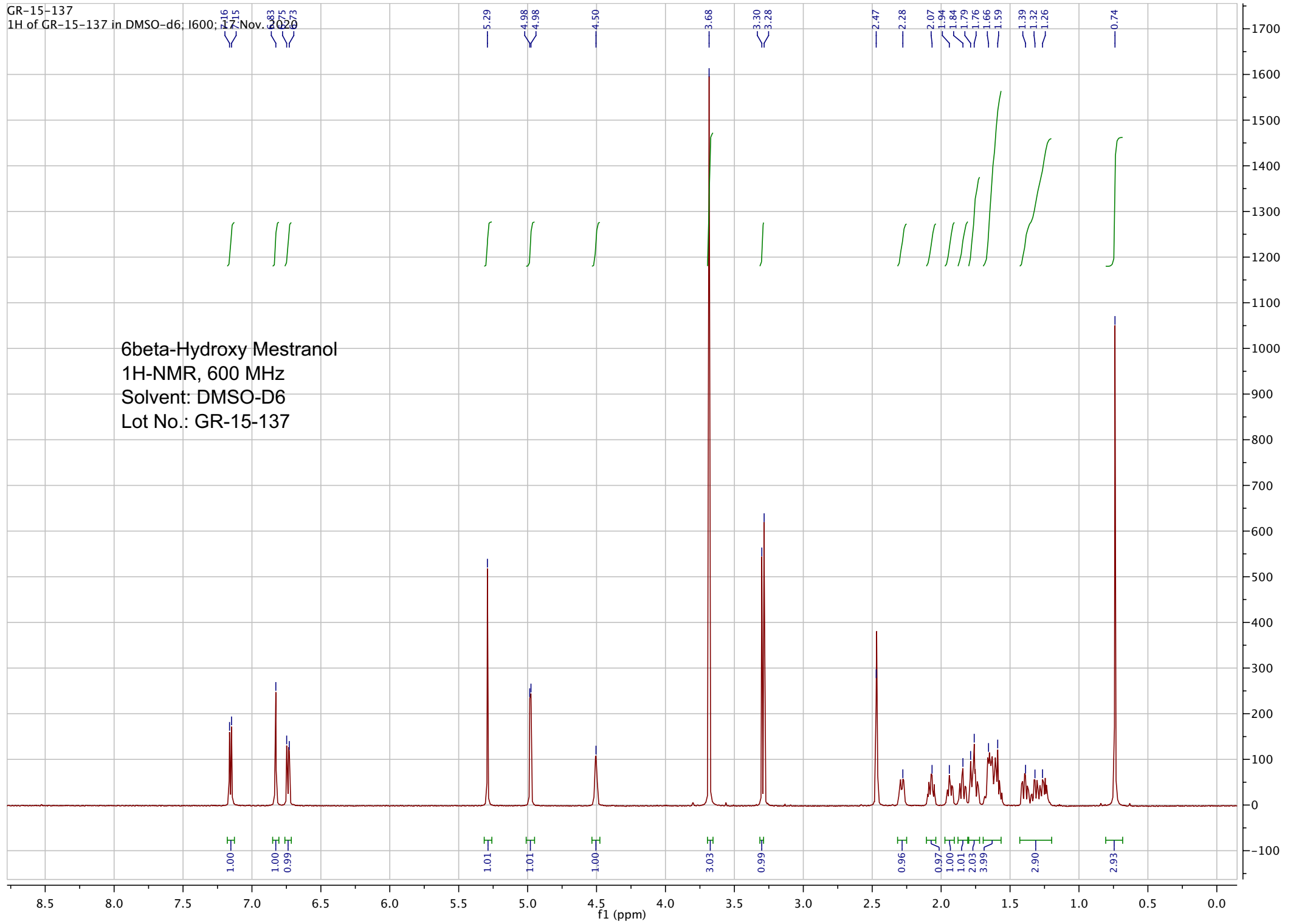
Date: 01/08/2021



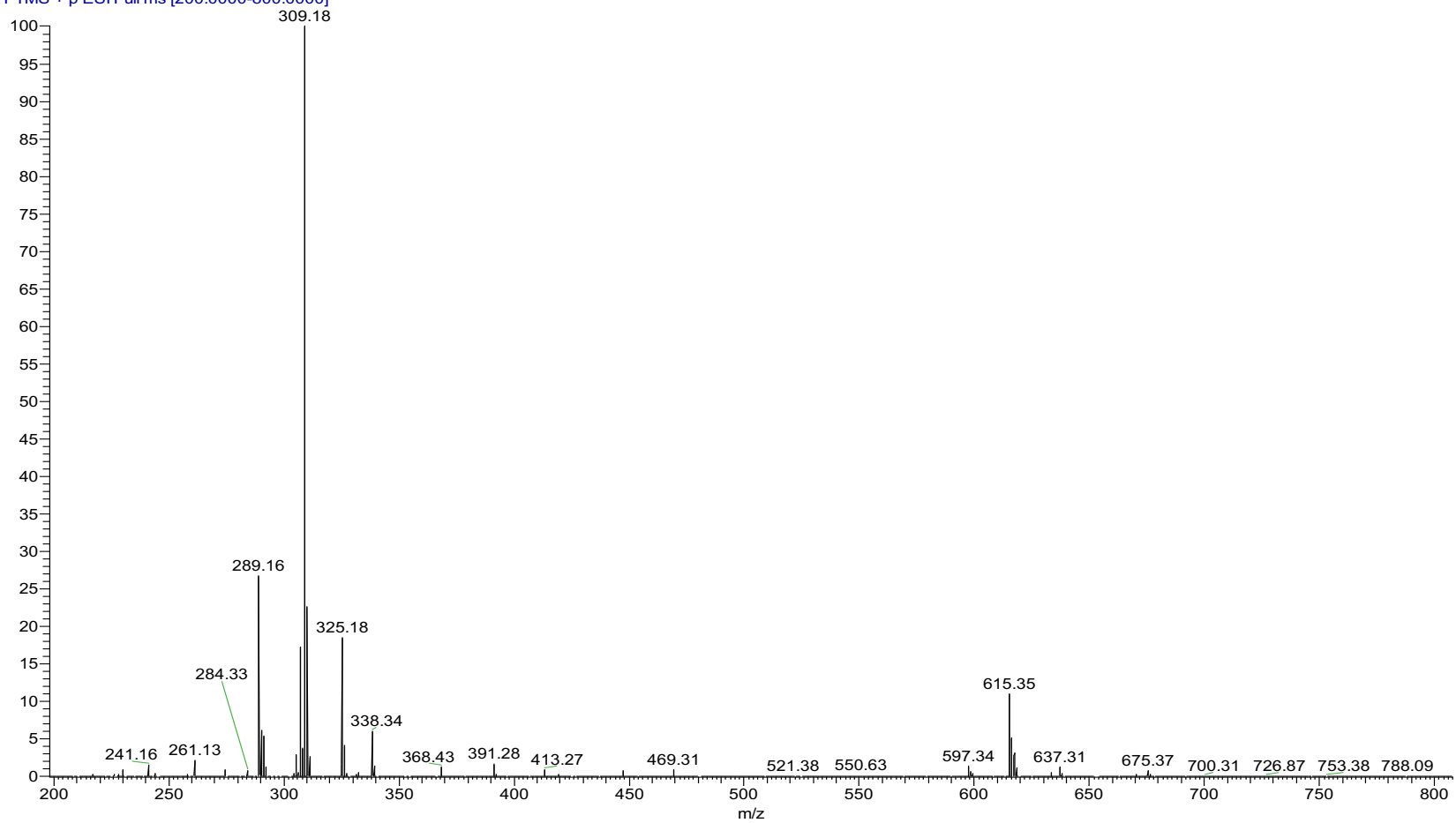
Viorica Rusu, QC/QA Manager

GR-15-137
1H of GR-15-137 in DMSO-d6; 1600; 17-Nov-2017

6beta-Hydroxy Mestranol
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-15-137

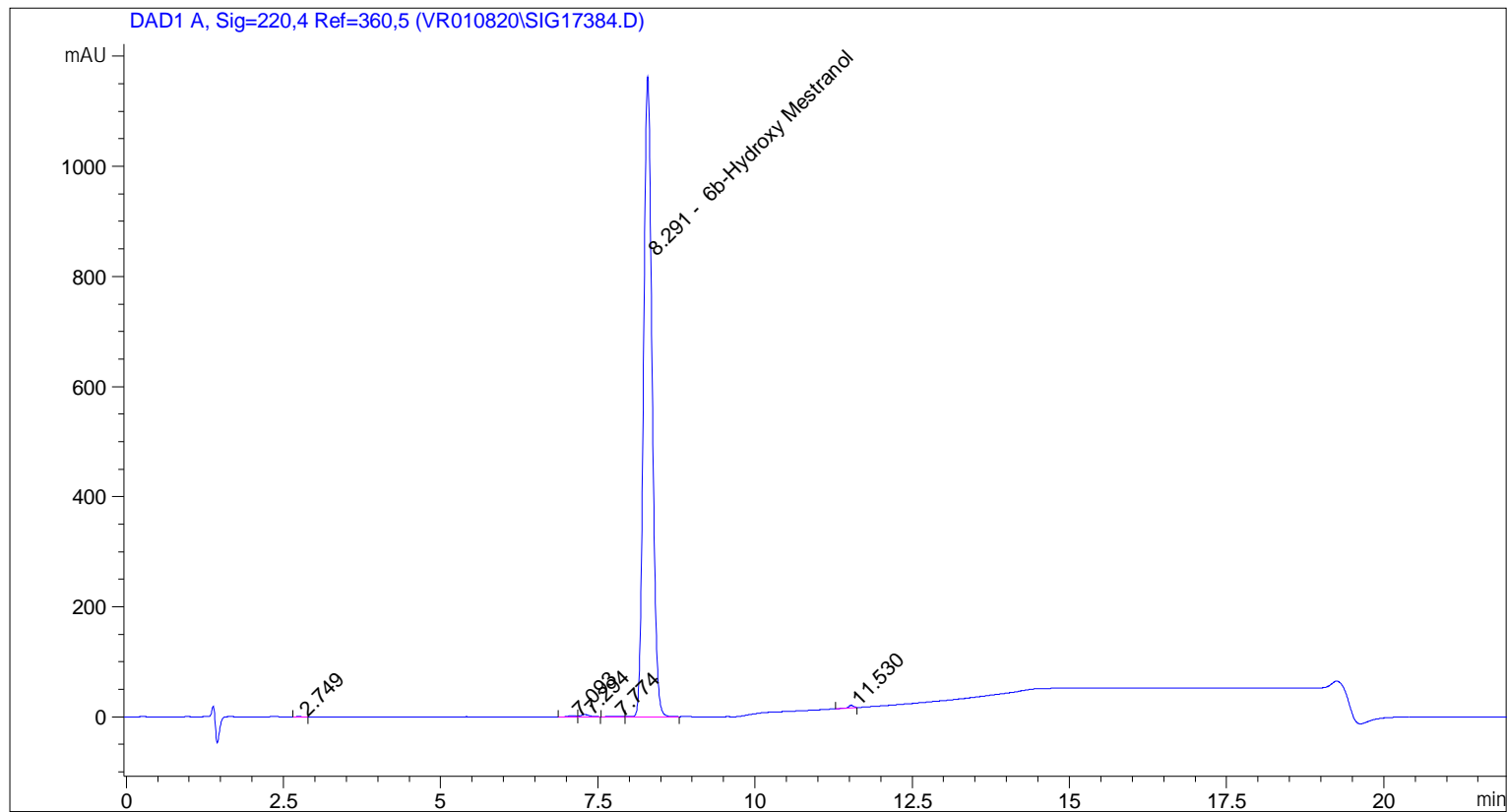


pp_2021_001_GR_15_137_3 #1561-1585 RT: 3.52-3.58 AV: 25 NL:
T: FTMS + p ESI Full ms [200.0000-800.0000]



ESI-MS spectrum for sample 2021-001, GR-15-137. Shows monoisotopic [M+H]⁺ mass.

=====
Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 62
Injection Date : 11/18/2020 1:16:01 PM Inj Volume : 10.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR111820_137.M
Last changed : 11/18/2020 1:14:55 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR111820_137PM.M
Last changed : 11/18/2020 2:31:07 PM by vrusu



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

Sorted By : Signal
Calib. Data Modified : 11/18/2020 2:22:58 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

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

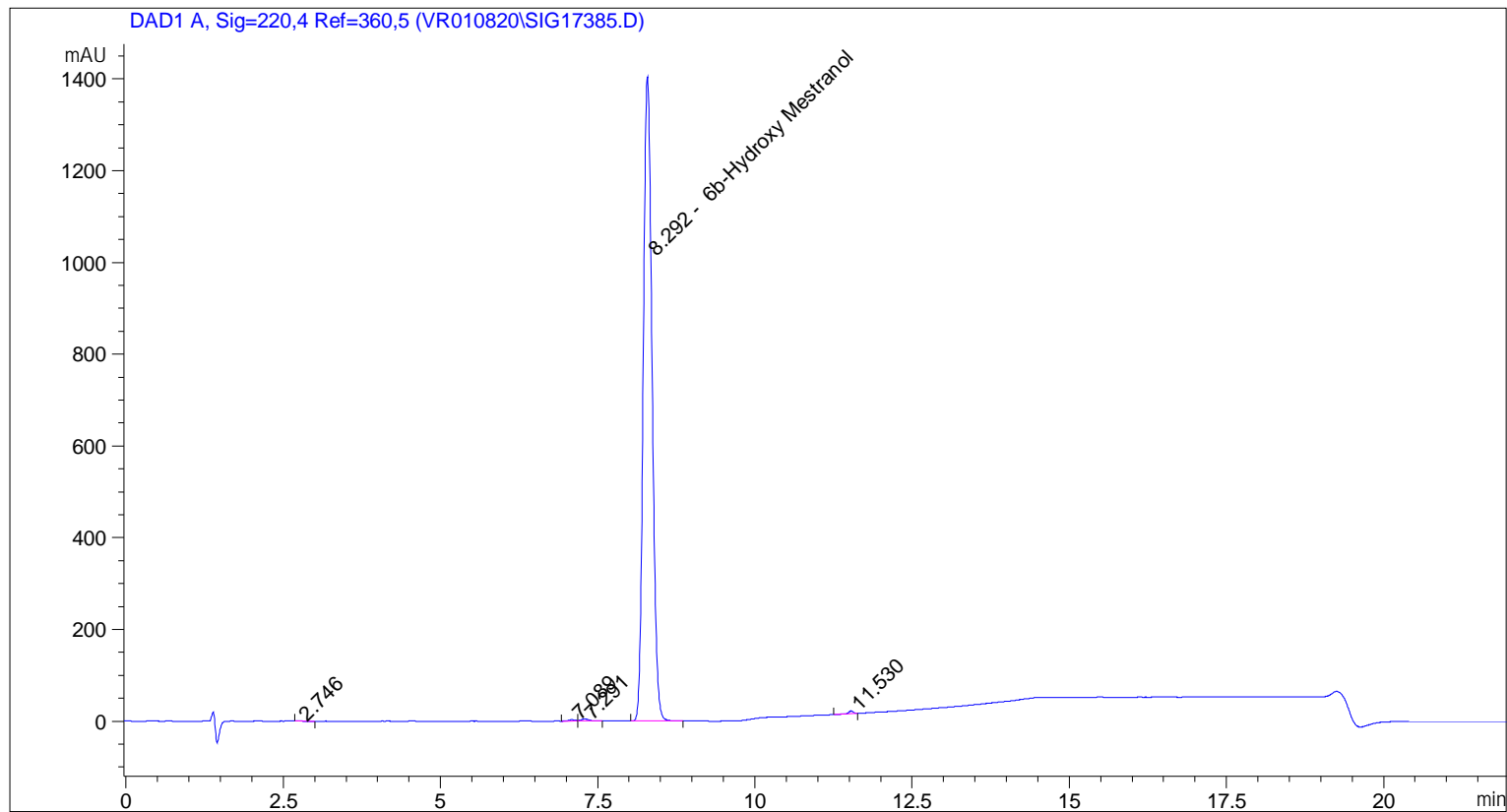
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.749	BB	0.0796	3.12042	0.0277	?
2	7.093	BV	0.1263	20.23938	0.1795	?
3	7.294	VB	0.1460	40.35976	0.3579	?
4	7.774	BV	0.1812	7.80522	0.0692	?
5	8.291	VV	0.1502	1.11817e4	99.1656	6b-Hydroxy Mestranol
6	11.530	BB	0.0766	22.56077	0.2001	?

Totals : 1.12758e4

=====

*** End of Report ***

=====
Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 63
Injection Date : 11/18/2020 1:41:39 PM Inj Volume : 10.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR111820_137.M
Last changed : 11/18/2020 1:40:35 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR111820_137PM.M
Last changed : 11/18/2020 2:31:07 PM by vrusu



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

Sorted By : Signal
Calib. Data Modified : 11/18/2020 2:22:58 PM
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	2.746	BB	0.0748	4.32873	0.0313	?
2	7.089	BV	0.1188	21.67730	0.1568	?
3	7.291	VB	0.1335	39.47777	0.2855	?
4	8.292	VV	0.1541	1.37293e4	99.3049	6b-Hydroxy Mestranol
5	11.530	BB	0.0778	30.61135	0.2214	?

Totals : 1.38254e4

=====

*** End of Report ***