

Name: Triamcinolone Acetonide-21-Carboxylic Acid
Lot#: GR-17-219
Test Date: 09/14/2022 (re-test date: 09/14/2027)
CAS No.: 53962-41-7
MF: C₂₄H₂₉FO₇
MW: 448.48
Appearance: White Solid
Purity: 97.4% by HPLC (average of two sample preparations)
¹H-NMR: Conforms
MS-ESI (-) Conforms (shows peak at m/z = 447.20 [M-H]⁻)
Storage Store at 0-5°C in a dry place away from direct sunlight

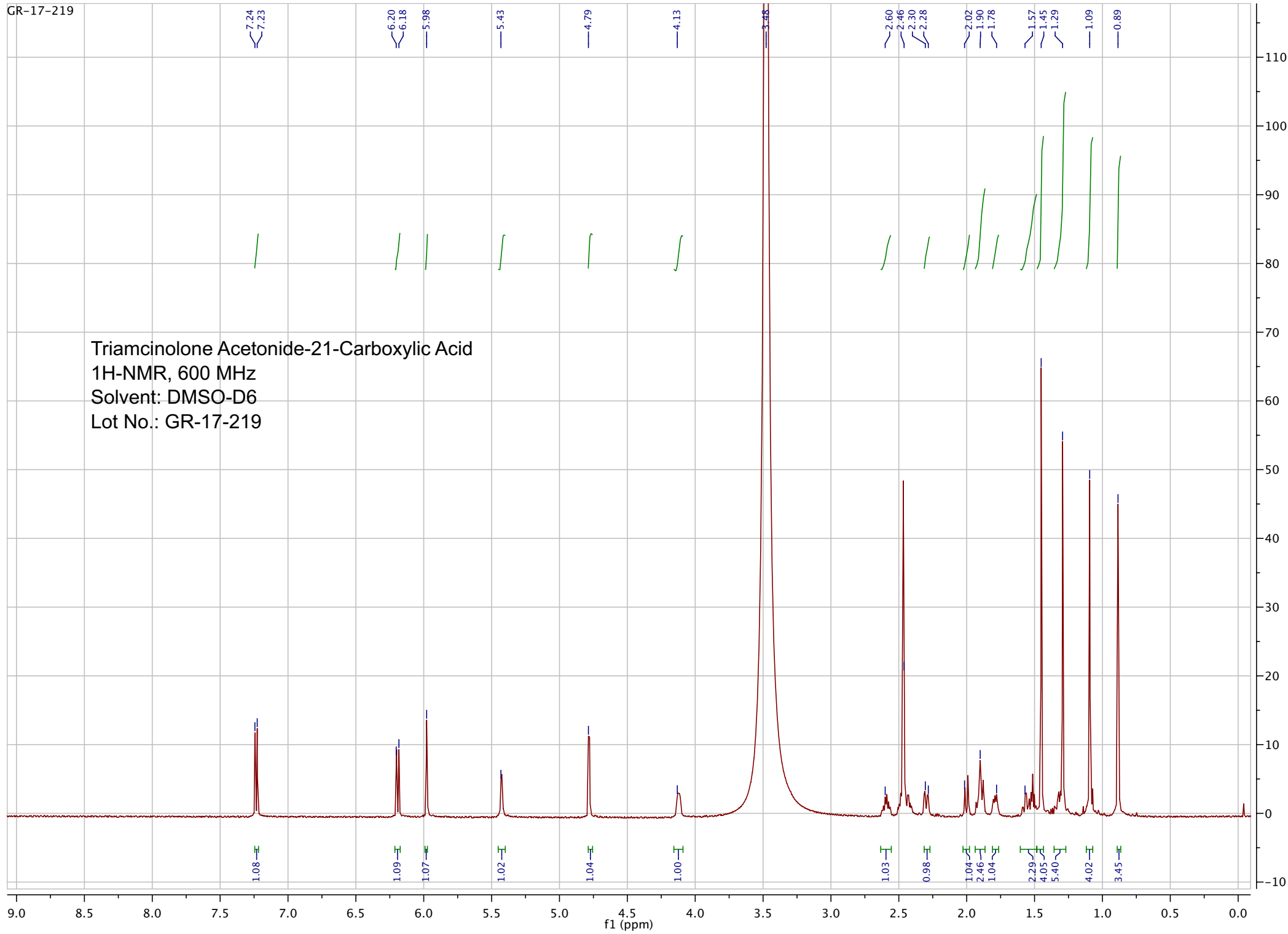
Approved by:

Date: 09/26/2022

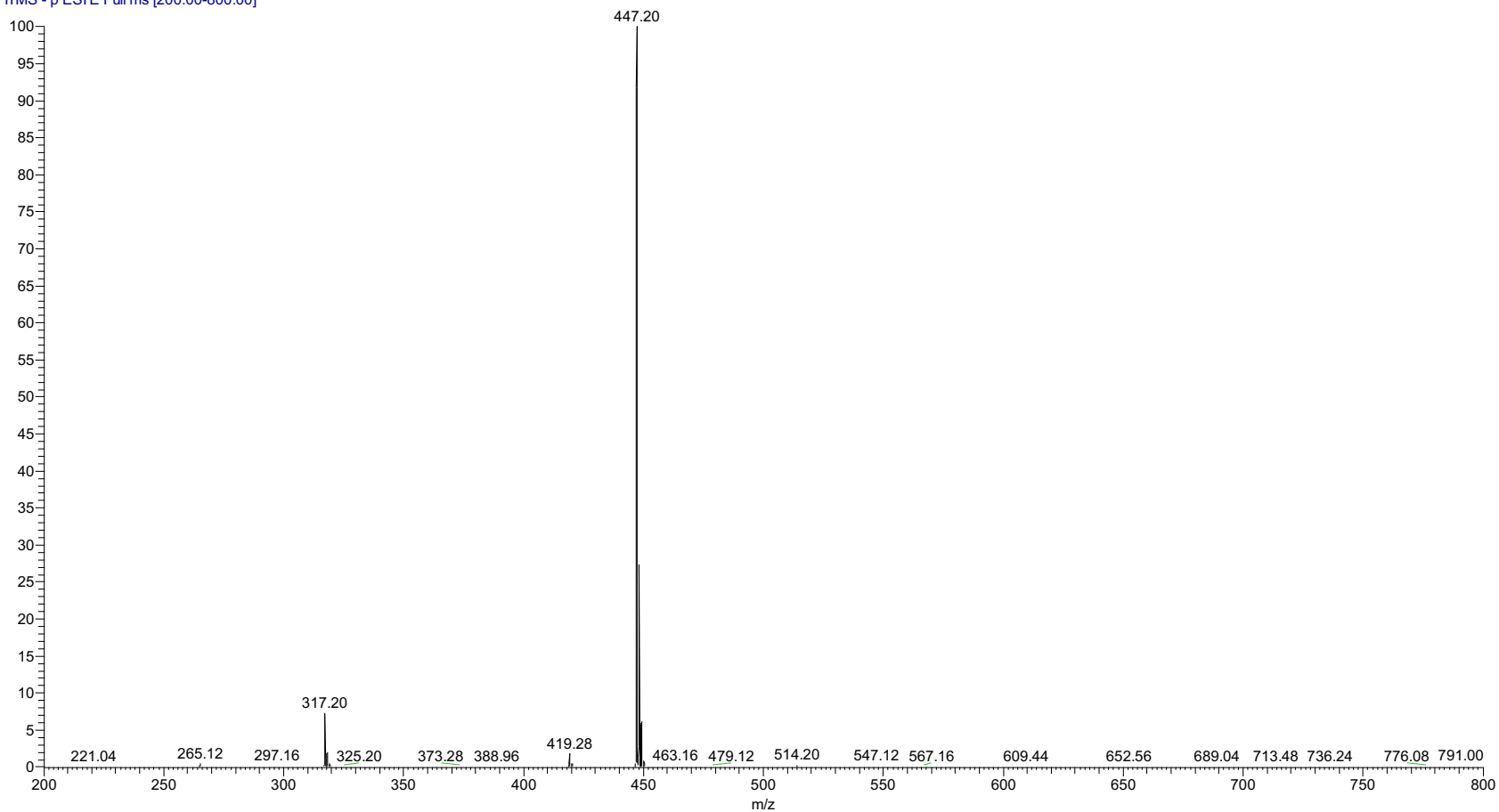


Viorica Rusu, QC/QA Manager

GR-17-219



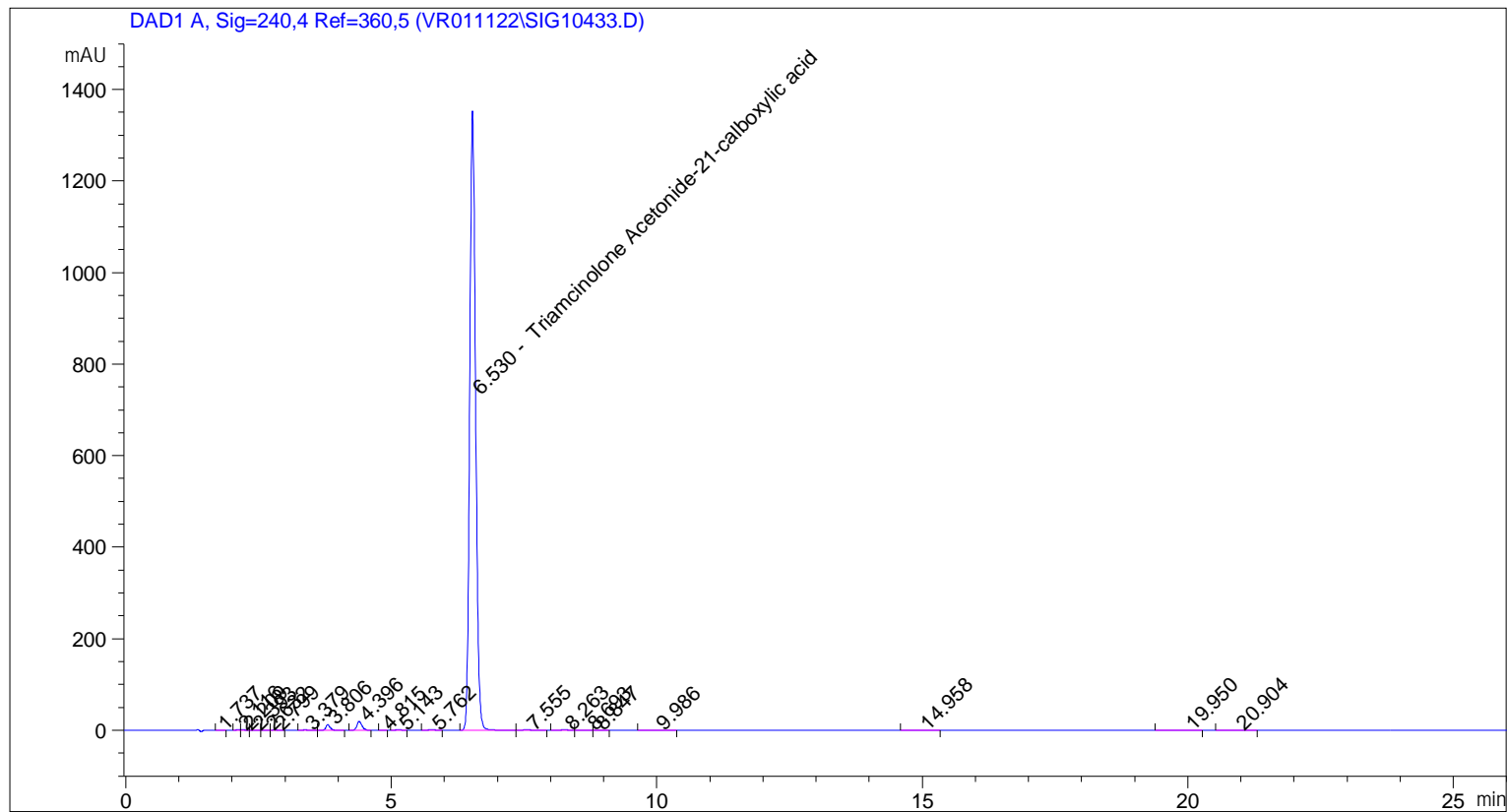
pp_2022_061_GR_17_219_10 #180 RT: 0.55 AV: 1 NL: 2.21E7
T: PTMS - p ESI E Full ms [200.00-800.00]



ESI-MS spectrum for sample GR-17-219. Shows monoisotopic [M-H]⁻ mass.

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 3
Injection Date  : 9/14/2022 10:56:28 AM
                                           Inj Volume : 5.0 µl
Acq. Method    : C:\CHEM32\1\METHODS\VR091422_219.M
Last changed   : 9/14/2022 10:55:26 AM by vrusu
Analysis Method: C:\CHEM32\1\METHODS\VR091922_219PM.M
Last changed   : 9/19/2022 12:26:59 PM by vrusu
  
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Area Percent Report

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Sorted By           : Signal
Calib. Data Modified : 9/19/2022 12:26:36 PM
Multiplier:         : 1.0000
Dilution:           : 1.0000
Use Multiplier & Dilution Factor with ISTDs
  
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Signal 1: DAD1 A, Sig=240,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	1.737	VV	0.0968	2.10133	0.0196	?
2	2.116	BV	0.0691	3.77502	0.0351	?
3	2.209	VB	0.0694	3.49070	0.0325	?
4	2.393	BB	0.0645	1.58745	0.0148	?
5	2.632	BV	0.0731	2.01448	0.0187	?
6	2.799	VV	0.0854	4.69139	0.0437	?
7	3.379	BB	0.0967	4.76284	0.0443	?
8	3.806	BB	0.0832	64.95390	0.6044	?

Sample Name: GR-17-219

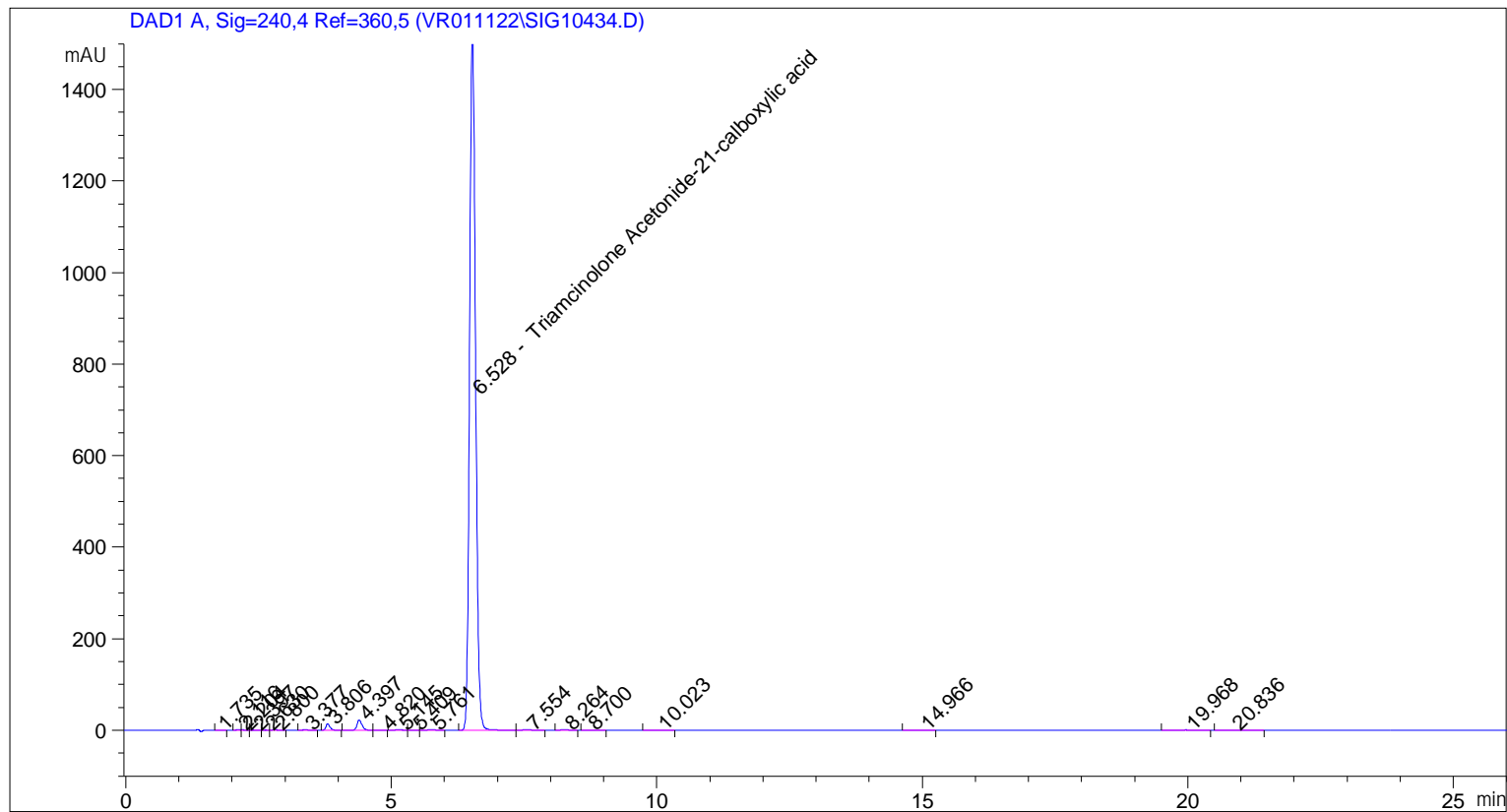
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	4.396	VV	0.0984	125.26955	1.1656	?
10	4.815	VV	0.0887	1.34746	0.0125	?
11	5.143	BV	0.1004	8.44394	0.0786	?
12	5.762	BB	0.1121	11.52287	0.1072	?
13	6.530	BV	0.1201	1.04636e4	97.3614	Triamcinolone Acetonide-21-calboxylic acid
14	7.555	VB	0.1491	10.99661	0.1023	?
15	8.263	VV	0.1513	8.55546	0.0796	?
16	8.693	VV	0.1493	2.43276	0.0226	?
17	8.847	VB	0.1065	1.43255	0.0133	?
18	9.986	BB	0.2310	4.58775	0.0427	?
19	14.958	BB	0.2216	4.11149	0.0383	?
20	19.950	BV	0.2814	10.94227	0.1018	?
21	20.904	BB	0.2722	6.56109	0.0610	?

Totals : 1.07472e4

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*** End of Report ***

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 4
Injection Date  : 9/14/2022 11:24:51 AM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR091422_219.M
Last changed    : 9/14/2022 11:23:50 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR091922_219PM.M
Last changed    : 9/19/2022 12:26:59 PM by vrusu
  
```



Area Percent Report

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Sorted By           : Signal
Calib. Data Modified : 9/19/2022 12:26:36 PM
Multiplier:         : 1.0000
Dilution:           : 1.0000
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]	Area %	Name
1	1.735	VV	0.0911	2.22172	0.0180	?
2	2.116	BV	0.0724	4.52485	0.0367	?
3	2.204	VV	0.0684	2.55059	0.0207	?
4	2.397	VB	0.0705	2.08976	0.0170	?
5	2.630	BV	0.0676	1.91857	0.0156	?
6	2.800	VB	0.0876	5.18428	0.0421	?
7	3.377	BV	0.1007	5.44423	0.0442	?
8	3.806	BB	0.0829	73.71000	0.5984	?

Sample Name: GR-17-219 spl-2

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	4.397	BV	0.1003	143.97647	1.1688	?
10	4.820	VB	0.1204	2.18054	0.0177	?
11	5.145	BV	0.1007	9.51000	0.0772	?
12	5.409	VB	0.1065	1.38285	0.0112	?
13	5.761	BB	0.1122	12.84771	0.1043	?
14	6.528	BV	0.1203	1.19953e4	97.3804	Triamcinolone Acetonide-21-calboxylic acid
15	7.554	VB	0.1417	12.09941	0.0982	?
16	8.264	VB	0.1463	9.15109	0.0743	?
17	8.700	BB	0.1822	2.35195	0.0191	?
18	10.023	BB	0.2104	3.43342	0.0279	?
19	14.966	BV	0.2155	5.37663	0.0436	?
20	19.968	BV	0.3060	13.59799	0.1104	?
21	20.836	BB	0.3089	9.13300	0.0741	?

Totals : 1.23180e4

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*** End of Report ***