

Name:	11-Keto Flunisolid
Lot#:	GR-14-289
Test Date:	05/15/2025 (re-test date: 05/15/2030)
CAS No.:	1997-76-8
MF:	C ₂₄ H ₂₉ FO ₆
MW:	432.48
Appearance:	White Solid
Purity:	96.5% by HPLC (average of two sample preparations)
¹H-NMR:	Conforms
MS-ESI (+)	Conforms (shows peaks at m/z = 433.42 [M+H] ⁺ , 455.35 [M+Na] ⁺)
Storage	Store at 0-8°C in a dry place away from direct sunlight

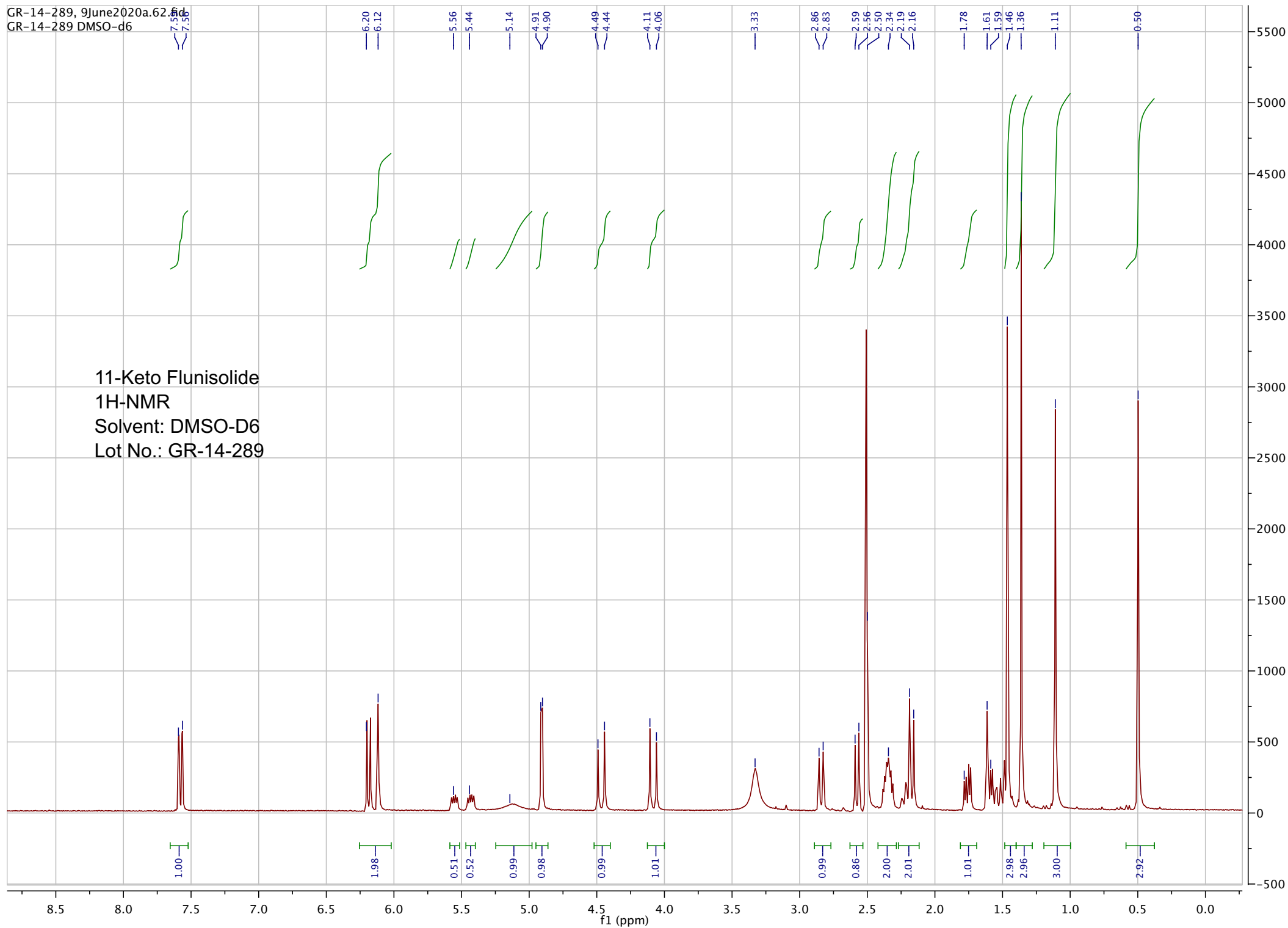
Approved by:

Date: 05/16/2025



Viorica Rusu, QC/QA Manager

GR-14-289, 9June2020a.62.fid
GR-14-289 DMSO-d6

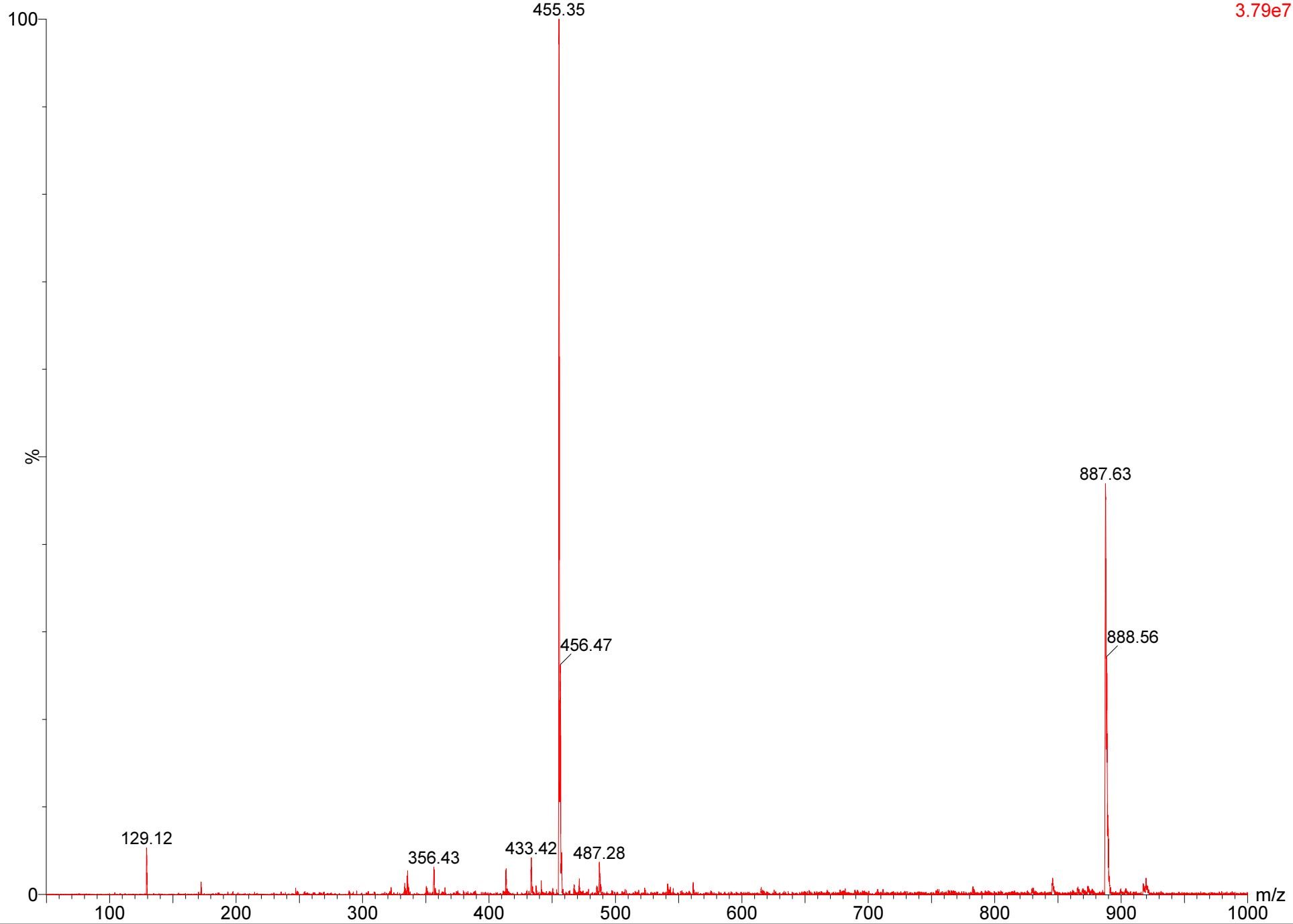


GR-14-289

09-Jun-2020 12:46:58

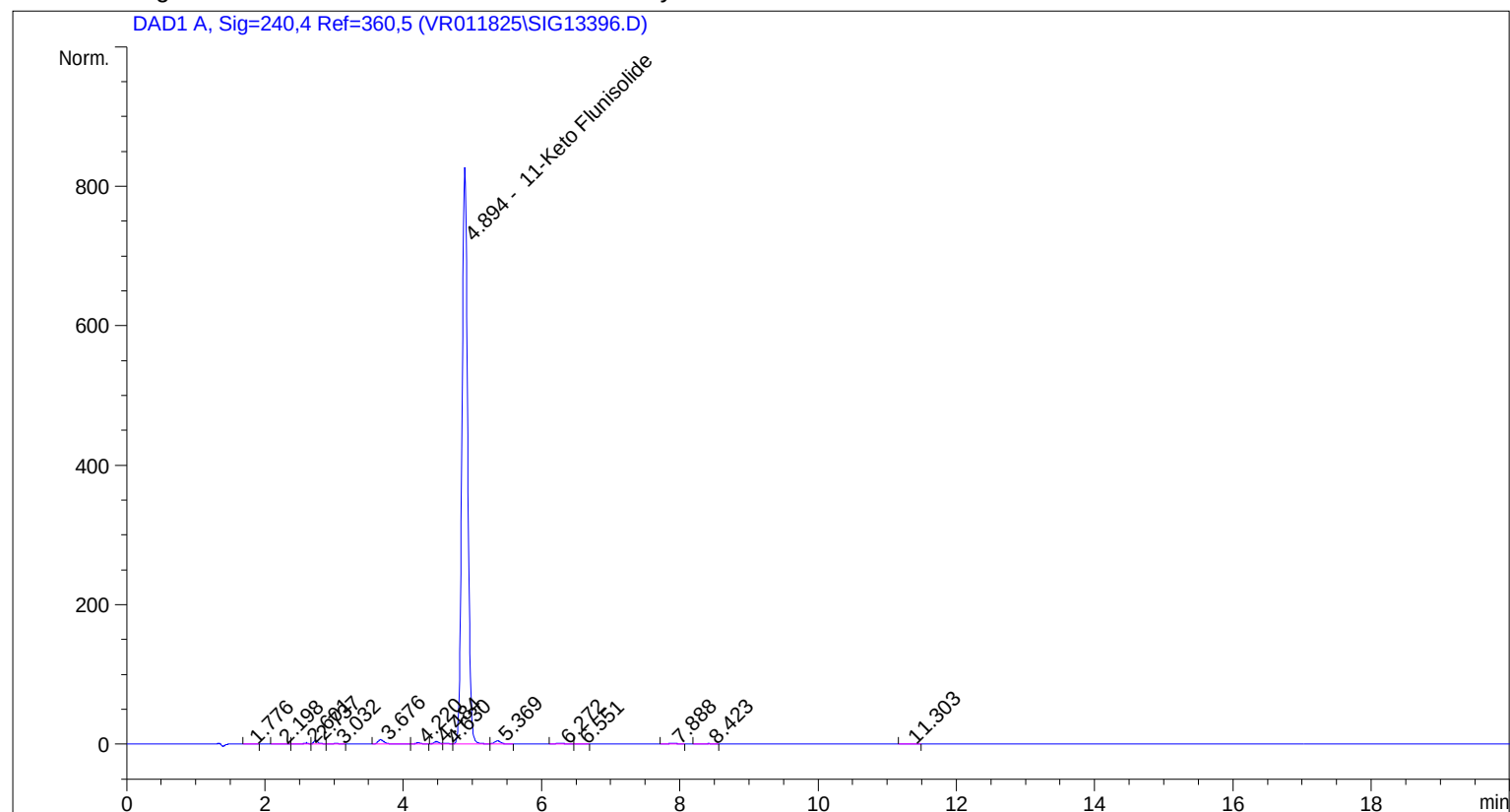
GR-14-289 18 (1.179) Sm (Mn, 3x0.00); Cm (16:25-1:11x1.500)

1: Scan ES+
3.79e7



Sample Name: GR-14-289 spl-2

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=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 13
Injection Date  : 5/15/2025 10:31:39 AM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR051525_289.M
Last changed    : 5/15/2025 10:30:38 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR051525_289PM.M
Last changed    : 5/15/2025 11:31:15 AM by vrusu
=====
```



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

```
Sorted By           :      Signal
Calib. Data Modified :      5/15/2025 11:30:30 AM
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	1.776	BV	0.1108	3.15770	0.0640	?
2	2.198	BV	0.0891	3.14571	0.0638	?
3	2.601	VV	0.0870	9.54977	0.1936	?
4	2.737	VV	0.0667	25.00408	0.5069	?
5	3.032	VB	0.1033	7.48248	0.1517	?
6	3.676	VB	0.0963	39.90455	0.8089	?
7	4.220	BB	0.0845	9.37470	0.1900	?
8	4.484	BV	0.0837	17.58171	0.3564	?

Sample Name: GR-14-289 spl-2

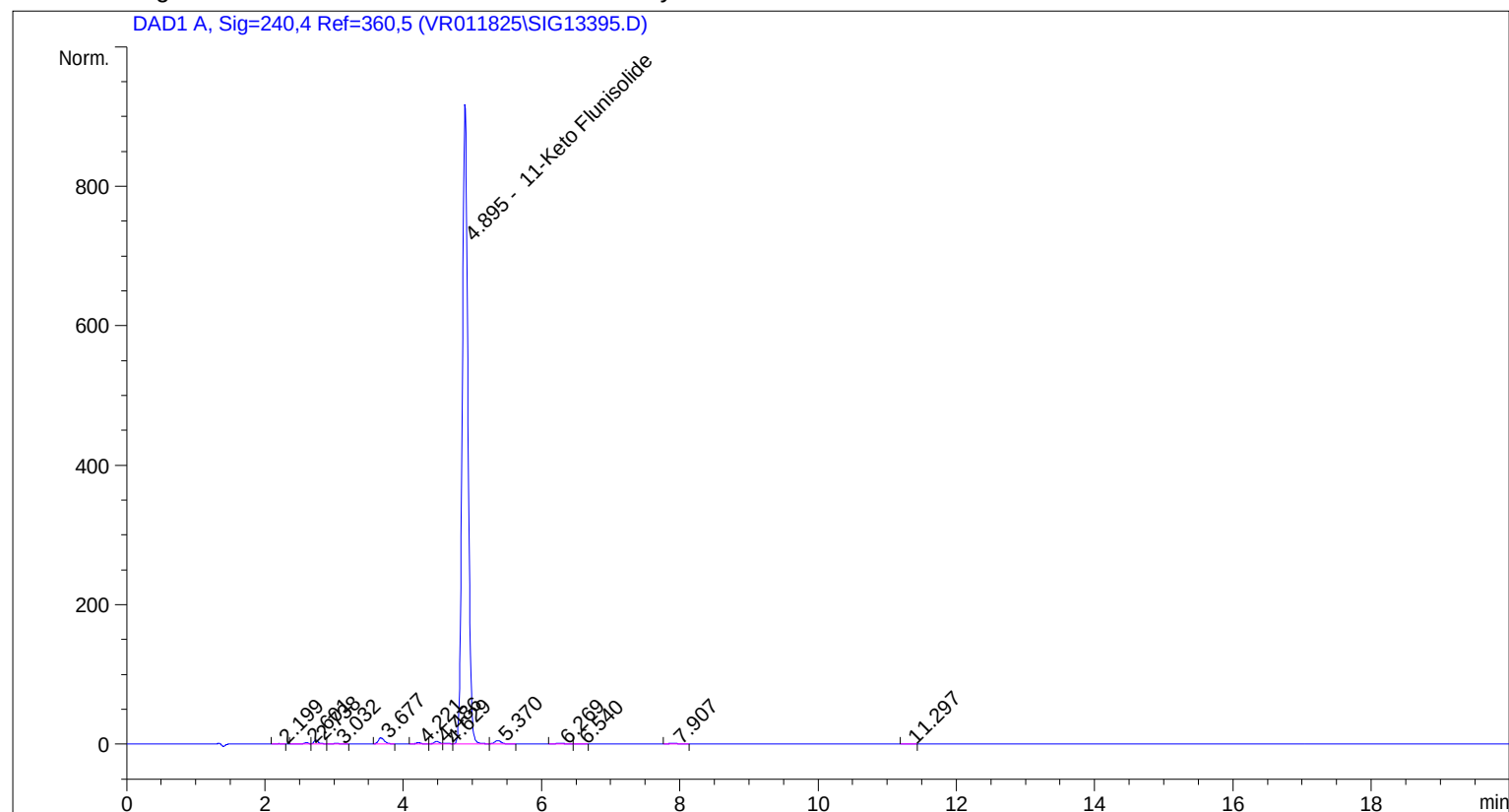
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	4.630	VB	0.0796	5.53553	0.1122	?
10	4.894	BV	0.0889	4755.37256	96.3959	11-Keto Flunisolide
11	5.369	VB	0.1008	29.56766	0.5994	?
12	6.272	BV	0.1420	9.61486	0.1949	?
13	6.551	VB	0.1020	2.13192	0.0432	?
14	7.888	BB	0.1223	8.19931	0.1662	?
15	8.423	BB	0.1193	5.18026	0.1050	?
16	11.303	BB	0.1385	2.36425	0.0479	?

Totals : 4933.16706

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*** End of Report ***

Sample Name: GR-14-289

```
=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 12
Injection Date  : 5/15/2025 10:08:35 AM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR051525_289.M
Last changed    : 5/15/2025 10:07:32 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR051525_289PM.M
Last changed    : 5/15/2025 11:31:15 AM by vrusu
=====
```



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

```
Sorted By           :      Signal
Calib. Data Modified :      5/15/2025 11:30:30 AM
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	2.199	BB	0.0692	2.60346	0.0477	?
2	2.601	BV	0.0760	10.18731	0.1867	?
3	2.738	VB	0.0664	25.16915	0.4613	?
4	3.032	BB	0.0908	6.39555	0.1172	?
5	3.677	BB	0.0911	53.52987	0.9811	?
6	4.221	BB	0.0815	9.78298	0.1793	?
7	4.486	BV	0.0816	19.83513	0.3635	?
8	4.629	VV	0.0838	7.27626	0.1334	?

Sample Name: GR-14-289

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	4.895	VV	0.0889	5268.65137	96.5647	11-Keto Flunisolide
10	5.370	VB	0.1032	33.85478	0.6205	?
11	6.269	BB	0.1222	7.93481	0.1454	?
12	6.540	BB	0.0931	1.14822	0.0210	?
13	7.907	BB	0.1339	8.53424	0.1564	?
14	11.297	BB	0.0990	1.17985	0.0216	?

Totals : 5456.08298

*** End of Report ***