

Name:	Betamethasone-21-Acetate-17-Propionate
Lot#:	VR-2-223
Test Date:	02/13/2024 (re-test date: 02/13/2029)
CAS No.:	5514-81-8
MF:	C ₂₇ H ₃₅ FO ₇
MW:	490.56
Appearance:	White Solid
Purity:	98.7% by HPLC (average of two sample preparations)
¹H-NMR:	Conforms (shows a trace of ACN)
MS-ESI (+)	Conforms (shows peaks at m/z = 471.25 [M-HF+H] ⁺ , 491.26 [M+H] ⁺ and 513.25 [M+Na] ⁺)
Storage	Store at 0-5°C in a dry place away from direct sunlight

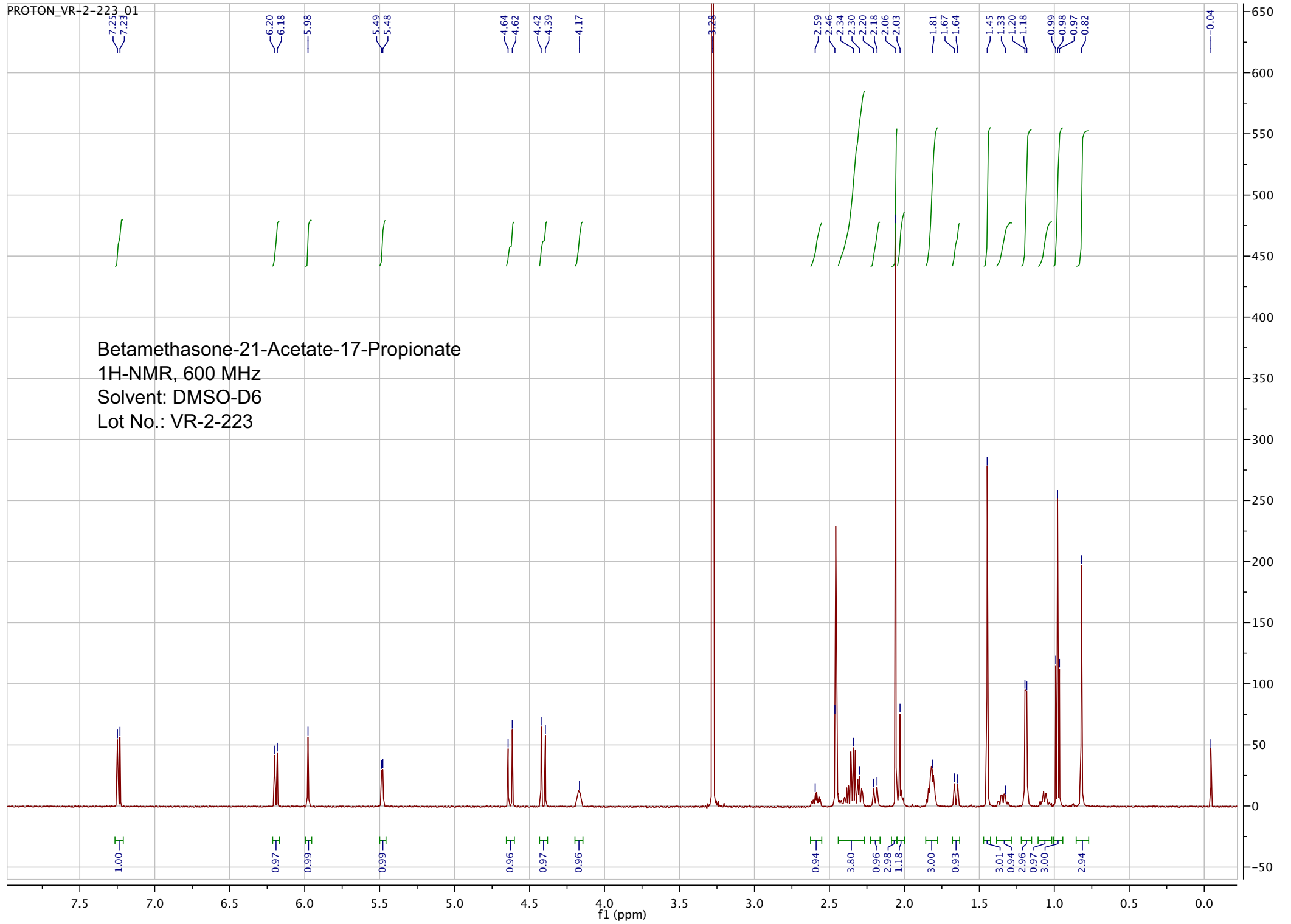
Approved by:

Date: 02/14/2024



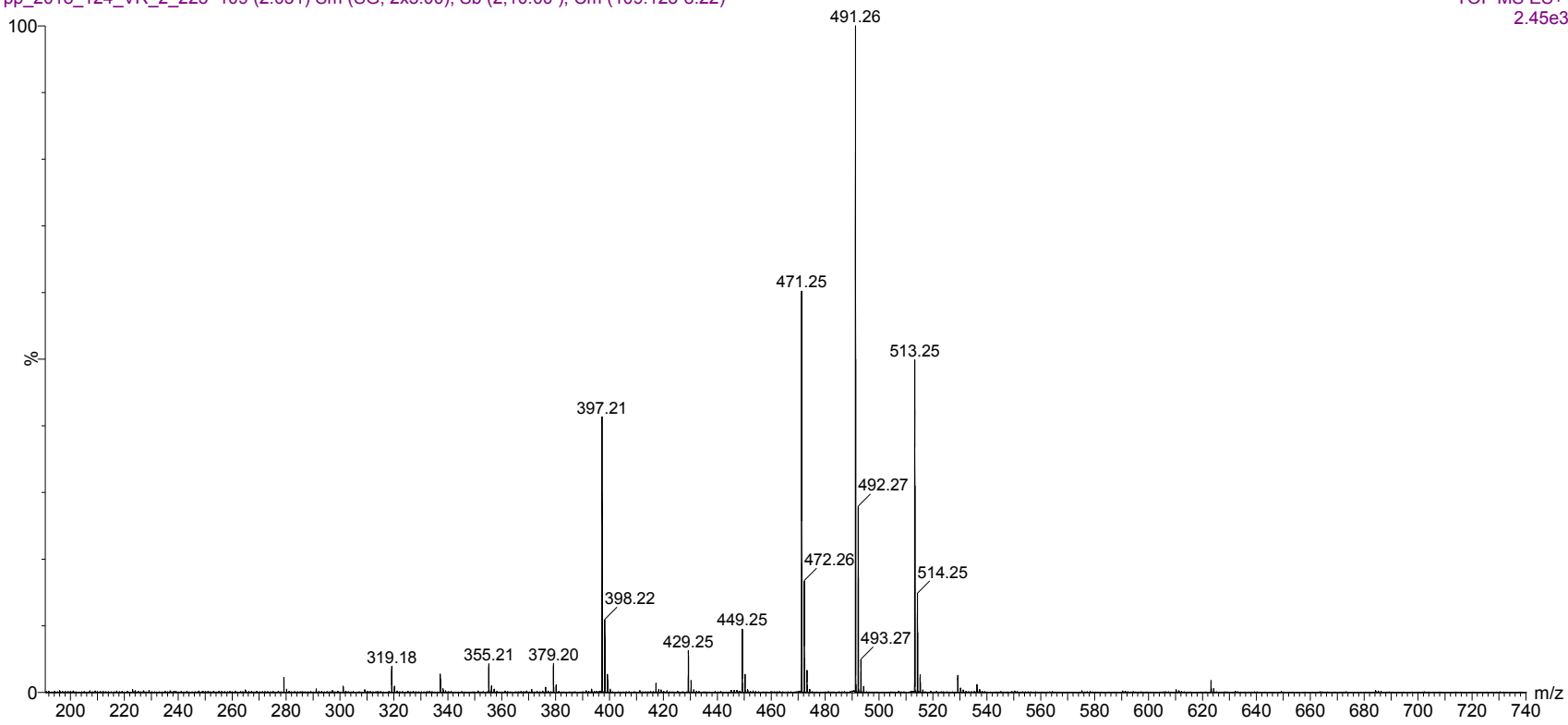
Viorica Rusu, QC/QA Manager

Betamethasone-21-Acetate-17-Propionate
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: VR-2-223



pp_2018_124_VR_2_223 109 (2.031) Sm (SG, 2x5.00); Sb (2,10.00); Cm (109:123-8:22)

TOF MS ES+
2.45e3



ESI-MS spectrum for sample VR-2-223. Shows monoisotopic $[M+H]^+$ mass.

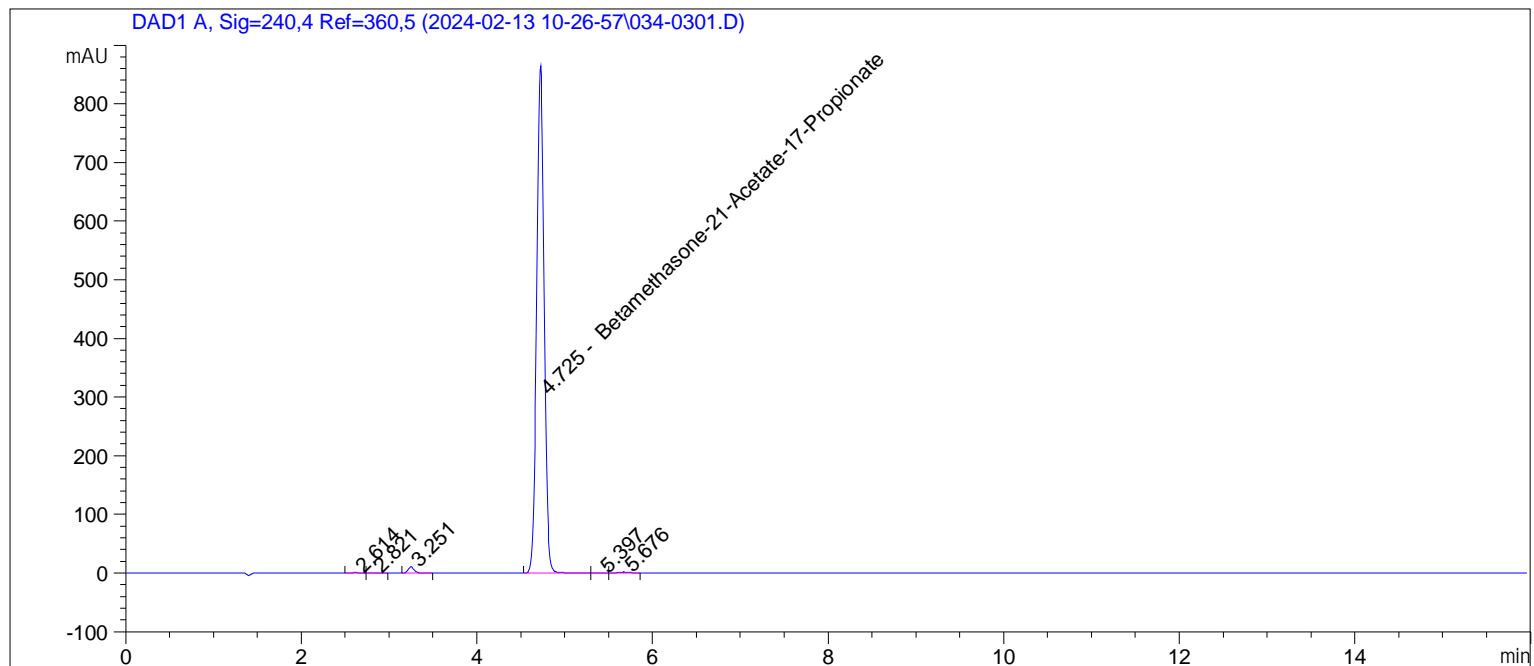
Sample Name: VR-2-223 spl-2

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=====
Acq. Operator   : vrusu                               Seq. Line :    3
Acq. Instrument : Instrument 1                         Location  : Vial 34
Injection Date  : 2/13/2024 11:03:04 AM              Inj       :    1
                                                    Inj Volume: 5.0 µl

Acq. Method    : C:\CHEM32\1\DATA\2024-02-13 10-26-57\VR021324_223.M
Last changed   : 2/13/2024 10:44:29 AM by vrusu
                (modified after loading)

Analysis Method : C:\CHEM32\1\METHODS\VR021324_223PM.M
Last changed   : 2/13/2024 12:59:53 PM by vrusu
=====
    
```



Area Percent Report

```

Sorted By           :      Signal
Calib. Data Modified :      2/13/2024 12:59:13 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	2.614	BB	0.0682	3.03506	0.0585	?
2	2.821	BB	0.0739	1.16126	0.0224	?
3	3.251	BB	0.0682	48.22178	0.9299	?
4	4.725	BV	0.0910	5118.56201	98.7080	Betamethasone-21-Acetate-17-Propionate
5	5.397	VV	0.1038	1.67939	0.0324	?
6	5.676	VB	0.1265	12.90143	0.2488	?

Totals : 5185.56092

Sample Name: VR-2-223 spl-2

```
=====
Acq. Operator   : vrusu                               Seq. Line :    3
Acq. Instrument : Instrument 1                         Location  : Vial 34
Injection Date  : 2/13/2024 11:03:04 AM              Inj       :    1
                                                    Inj Volume: 5.0 µl
Acq. Method     : C:\CHEM32\1\DATA\2024-02-13 10-26-57\VR021324_223.M
Last changed    : 2/13/2024 10:44:29 AM by vrusu
                  (modified after loading)
Analysis Method : C:\CHEM32\1\METHODS\VR021324_223PM.M
Last changed    : 2/13/2024 12:59:53 PM by vrusu
=====
```

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*** End of Report ***
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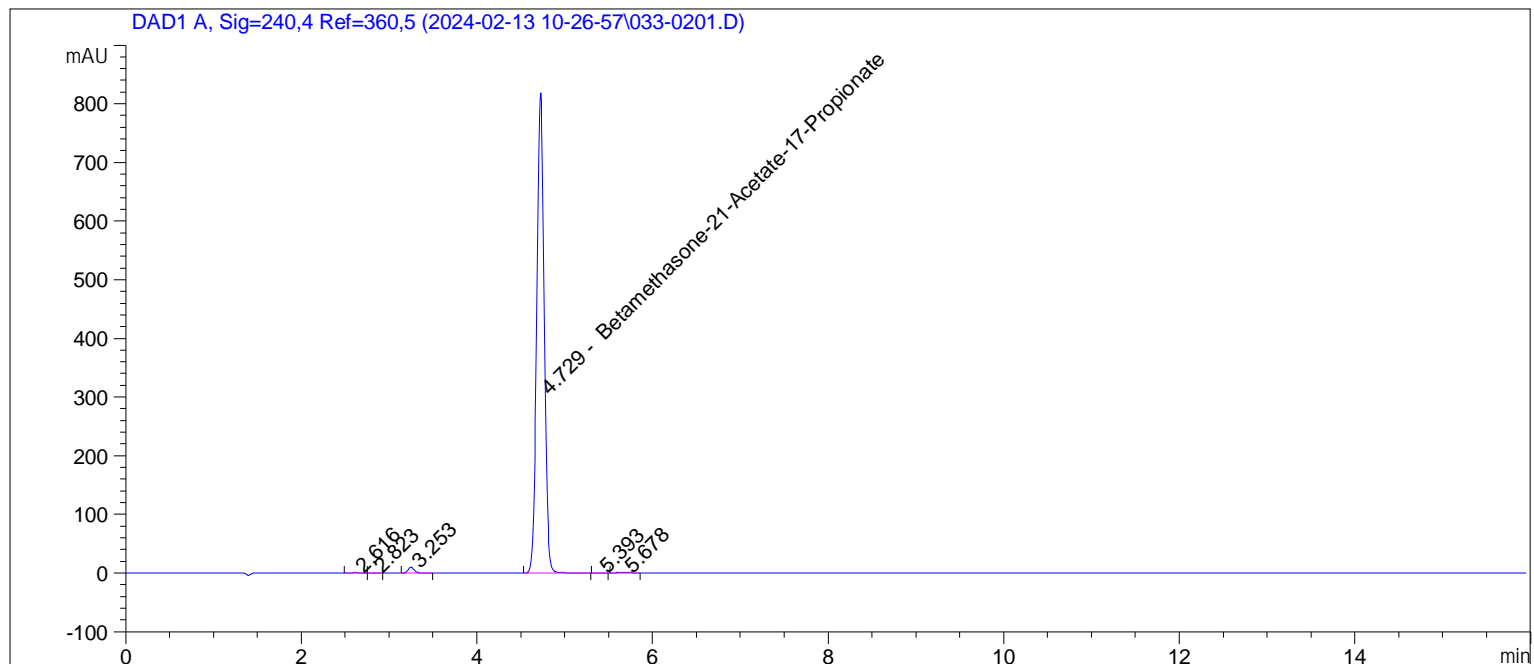
Sample Name: VR-2-223

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=====
Acq. Operator   : vrusu                               Seq. Line :    2
Acq. Instrument : Instrument 1                         Location  : Vial 33
Injection Date  : 2/13/2024 10:45:45 AM              Inj       :    1
                                                    Inj Volume: 5.0 µl

Acq. Method    : C:\CHEM32\1\DATA\2024-02-13 10-26-57\VR021324_223.M
Last changed   : 2/13/2024 10:44:29 AM by vrusu
                (modified after loading)

Analysis Method : C:\CHEM32\1\METHODS\VR021324_223PM.M
Last changed   : 2/13/2024 12:59:53 PM by vrusu
=====
    
```



Area Percent Report

```

Sorted By          :      Signal
Calib. Data Modified : 2/13/2024 12:59:13 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	2.616	BV	0.0738	2.98574	0.0610	?
2	2.823	VB	0.0627	8.77499e-1	0.0179	?
3	3.253	BB	0.0683	45.56892	0.9317	?
4	4.729	BB	0.0908	4829.74902	98.7436	Betamethasone-21-Acetate-17-Propionate
5	5.393	BB	0.0805	9.90295e-1	0.0202	?
6	5.678	BB	0.1229	11.03210	0.2255	?

Totals : 4891.20359

Sample Name: VR-2-223

```
=====
Acq. Operator   : vrusu                               Seq. Line :    2
Acq. Instrument : Instrument 1                         Location  : Vial 33
Injection Date  : 2/13/2024 10:45:45 AM              Inj       :    1
                                                    Inj Volume: 5.0 µl
Acq. Method     : C:\CHEM32\1\DATA\2024-02-13 10-26-57\VR021324_223.M
Last changed    : 2/13/2024 10:44:29 AM by vrusu
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Analysis Method : C:\CHEM32\1\METHODS\VR021324_223PM.M
Last changed    : 2/13/2024 12:59:53 PM by vrusu
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```

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*** End of Report ***
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```