

<b>Name:</b>	<b>4-<i>trans</i>-Hydroxy Cilostazol-D5 (major)</b>
<b>Lot#:</b>	GR-12-281
<b>Test Date:</b>	02/15/2024 (re-test date: 02/15/2029)
<b>CAS No.:</b>	87153-04-6 (unlabeled)
<b>MF:</b>	C <sub>20</sub> H <sub>22</sub> D <sub>5</sub> N <sub>5</sub> O <sub>3</sub>
<b>MW:</b>	390.50
<b>Appearance:</b>	Off-White Solid
<b>Purity:</b>	99.1% by HPLC (average of two sample preparations); >98% atom D
<b><sup>1</sup>H-NMR:</b>	Conforms (contains ~1.1% DMF)
<b>MS-ESI (+)</b>	Conforms (shows peak at m/z = 391.23 [M+H] <sup>+</sup> )
<b>Storage</b>	Store at -18°C in a dry place away from direct sunlight

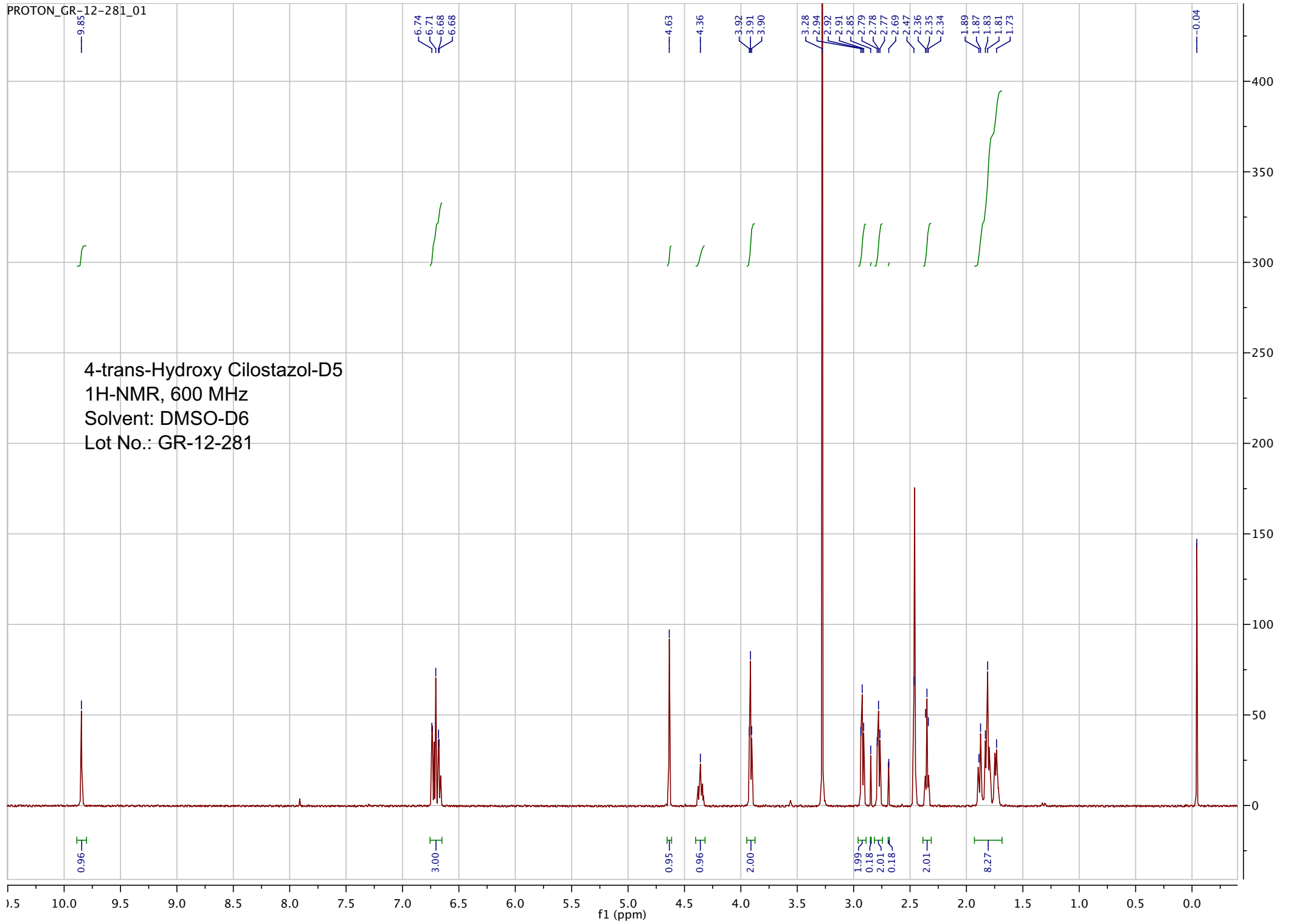
Approved by:

Date: 02/16/2024



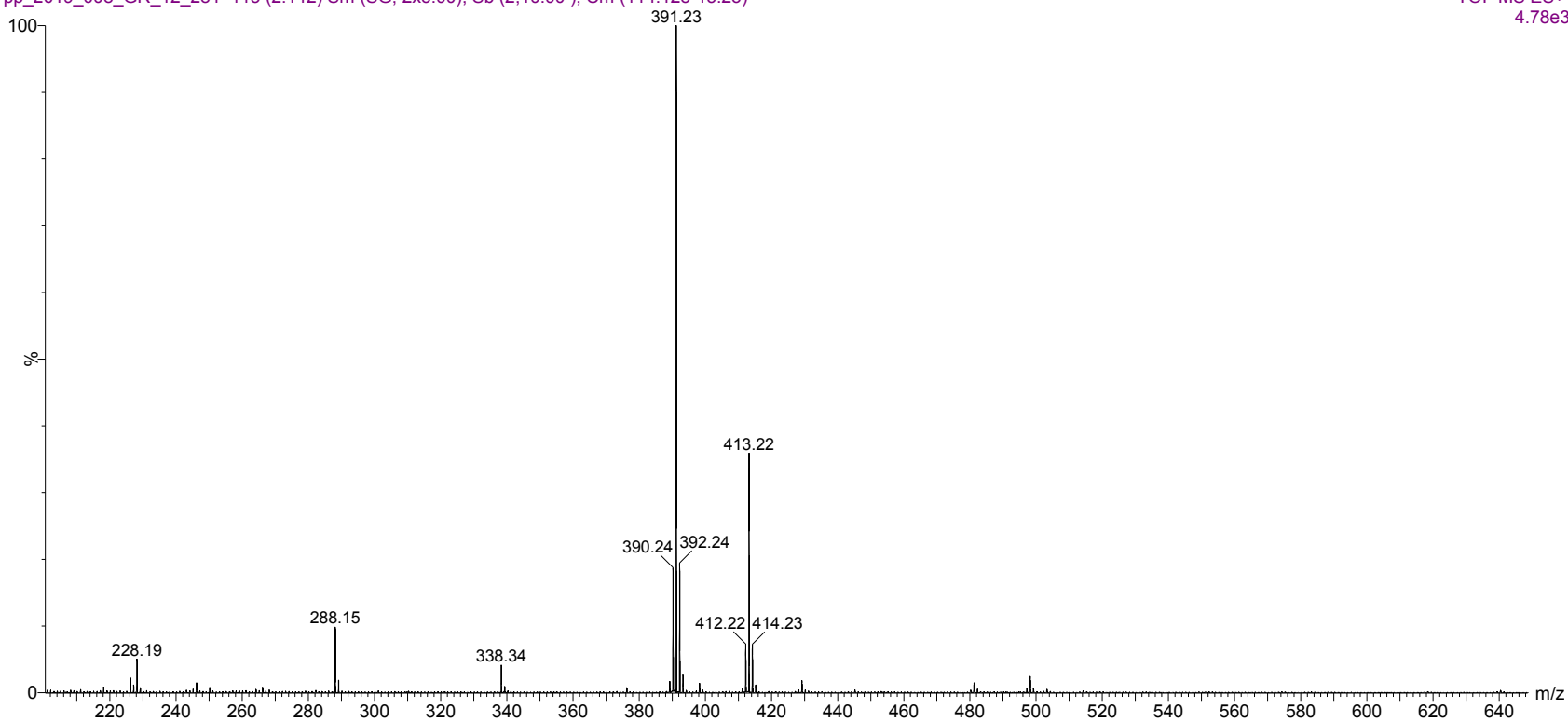
Viorica Rusu, QC/QA Manager

4-trans-Hydroxy Cilostazol-D5  
1H-NMR, 600 MHz  
Solvent: DMSO-D6  
Lot No.: GR-12-281



pp\_2019\_008\_GR\_12\_281 115 (2.142) Sm (SG, 2x5.00); Sb (2,10.00 ); Cm (114:125-13:23)

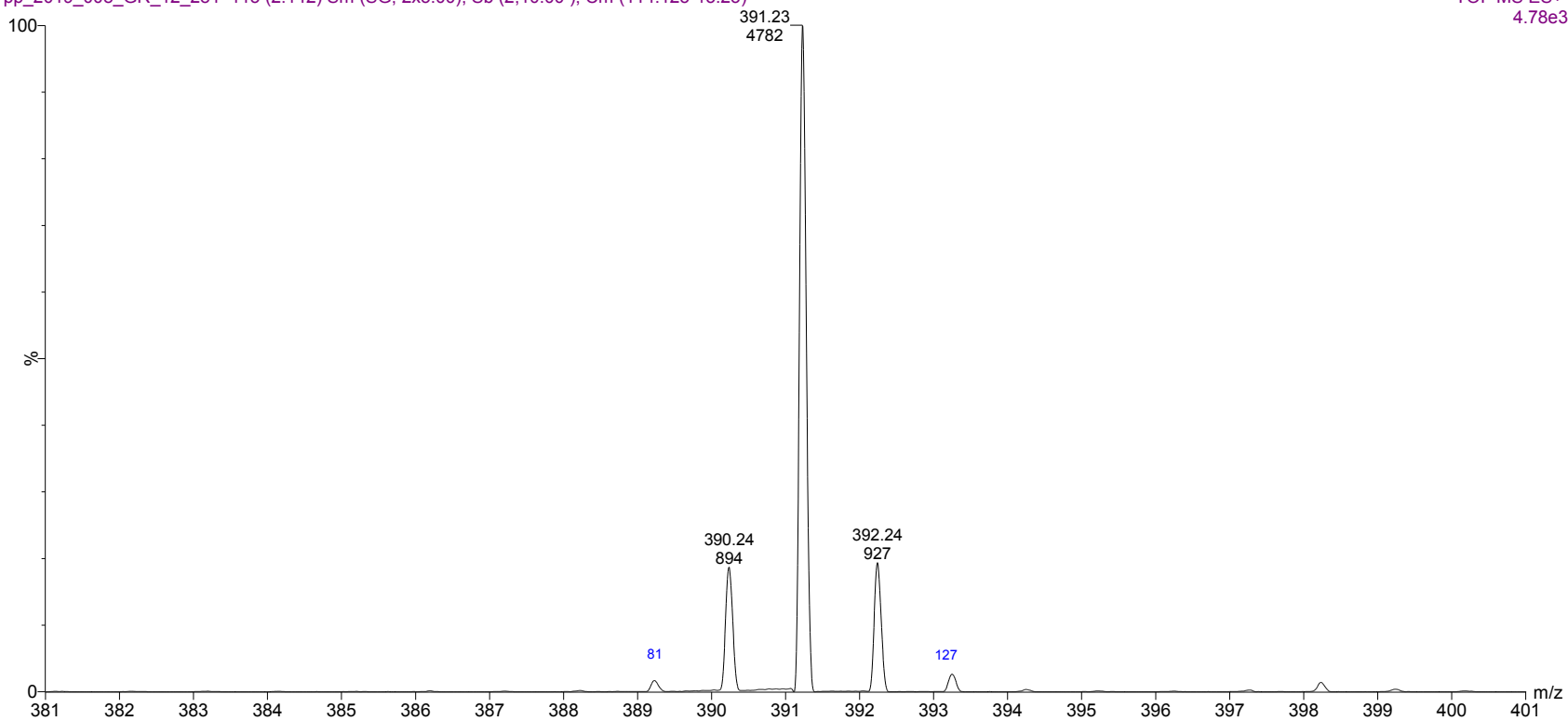
TOF MS ES+  
4.78e3



ESI-MS spectrum for sample GR-12-281. Shows monoisotopic [M+H]<sup>+</sup> mass.

pp\_2019\_008\_GR\_12\_281 115 (2.142) Sm (SG, 2x5.00); Sb (2,10.00 ); Cm (114:125-13:23)

TOF MS ES+  
4.78e3

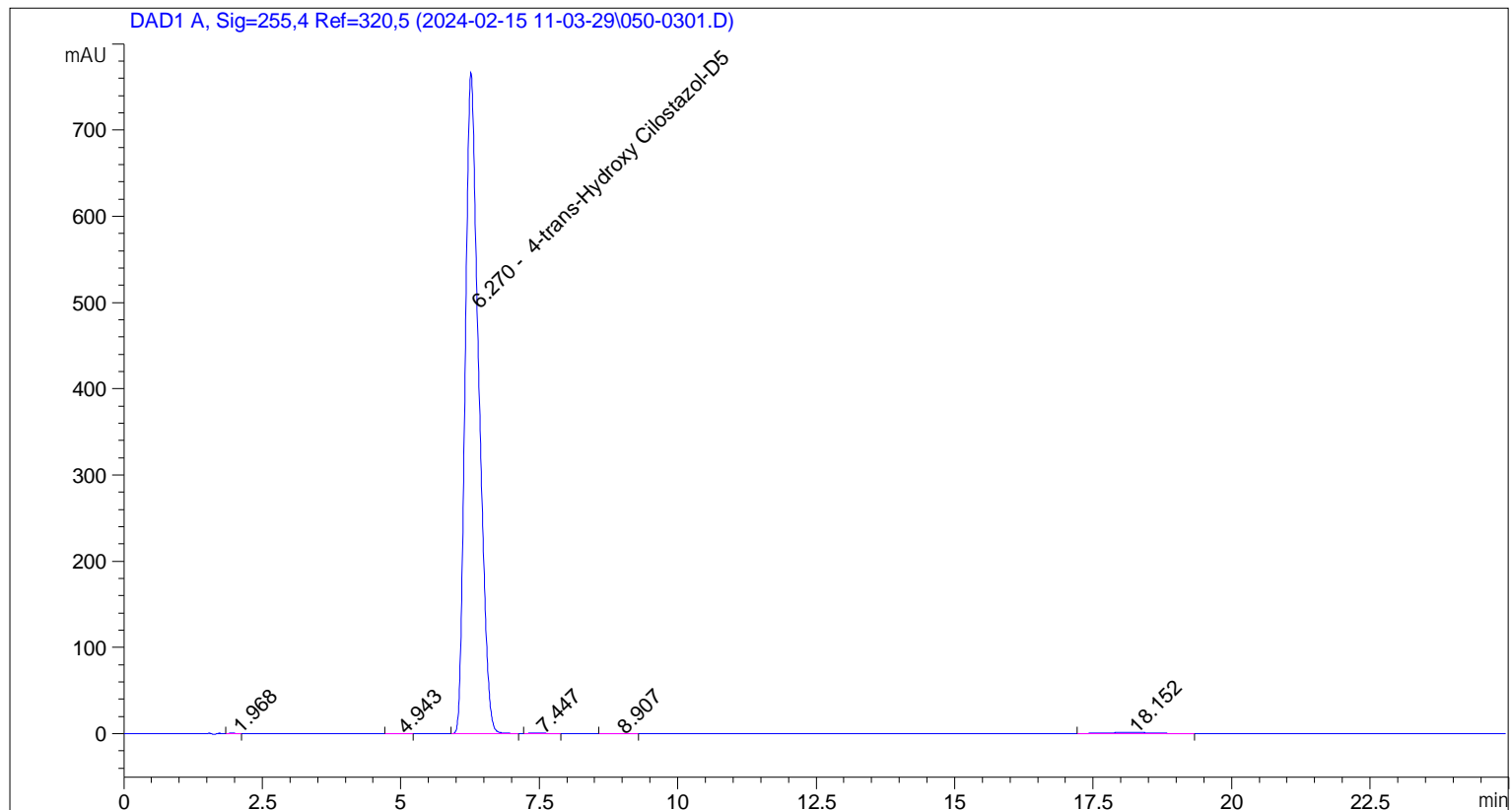


Expansion of above showing intensity labels.

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=====
Acq. Operator   : vrusu                      Seq. Line :    3
Acq. Instrument : Instrument 1                Location  : Vial 50
Injection Date  : 2/15/2024 11:57:14 AM      Inj       :    1
                                           Inj Volume: 10.0 µl

Acq. Method     : C:\CHEM32\1\DATA\2024-02-15 11-03-29\VR021524_281.M
Last changed    : 2/15/2024 11:03:01 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR021524_281PM.M
Last changed    : 2/15/2024 1:02:44 PM by vrusu
  
```



Area Percent Report

```

Sorted By           :      Signal
Calib. Data Modified :      2/15/2024 1:02:19 PM
Multiplier          :      1.0000
Dilution            :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=255,4 Ref=320,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	1.968	BB	0.1043	3.25184	0.0247	?
2	4.943	BB	0.1997	3.05273	0.0232	?
3	6.270	BB	0.2527	1.30549e4	99.0866	4-trans-Hydroxy Cilostazol-D5
4	7.447	BB	0.2166	11.43723	0.0868	?
5	8.907	BB	0.2497	6.10657	0.0463	?
6	18.152	BB	0.6461	96.49525	0.7324	?

Totals : 1.31752e4

Sample Name: GR-12-281 spl-2

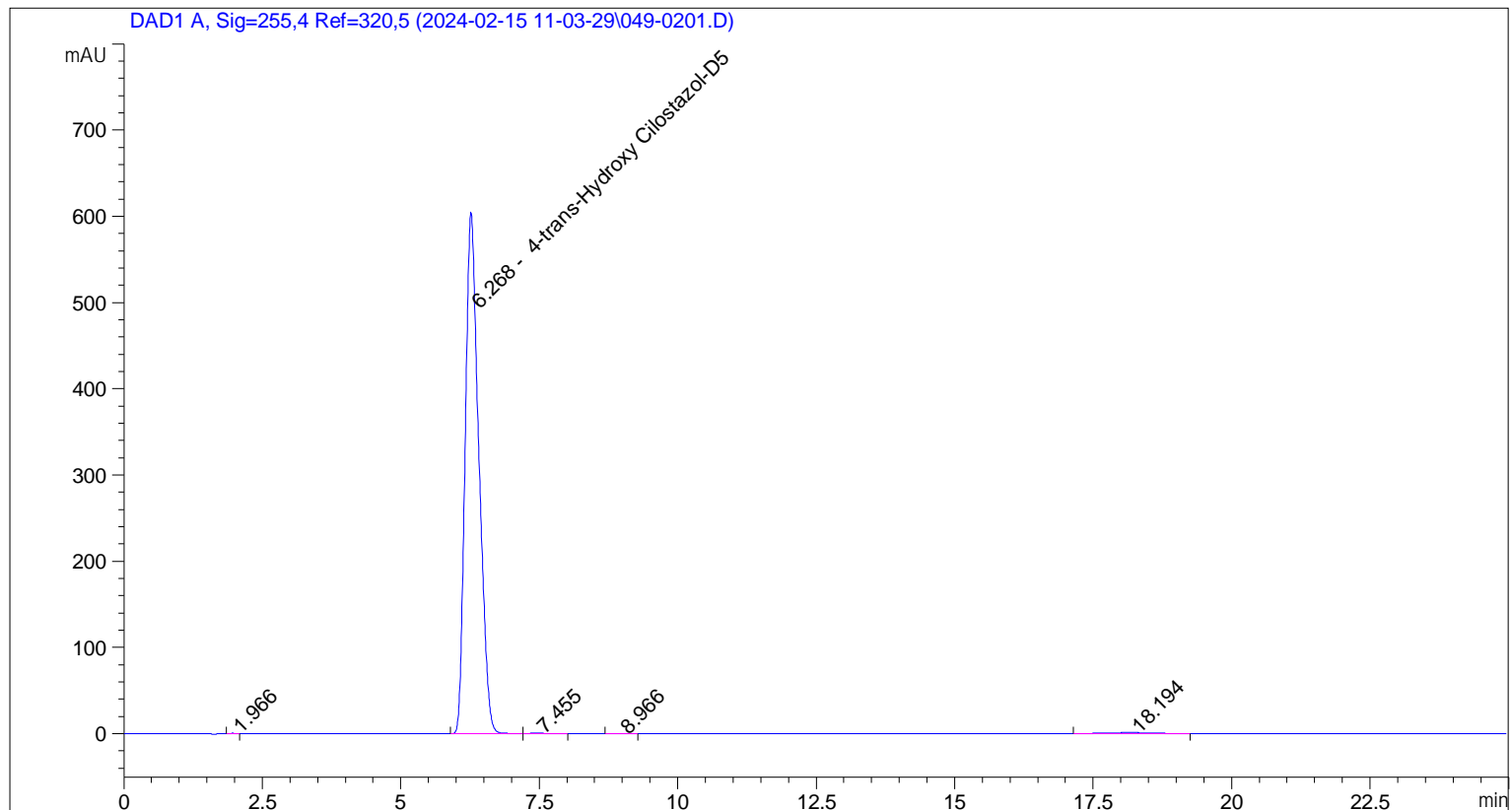
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\*\*\* End of Report \*\*\*

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Acq. Operator   : vrusu                               Seq. Line :    2
Acq. Instrument : Instrument 1                         Location  : Vial 49
Injection Date  : 2/15/2024 11:30:54 AM              Inj       :    1
                                                    Inj Volume: 10.0 µl

Acq. Method     : C:\CHEM32\1\DATA\2024-02-15 11-03-29\VR021524_281.M
Last changed    : 2/15/2024 11:03:01 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR021524_281PM.M
Last changed    : 2/15/2024 1:02:44 PM by vrusu
  
```



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

```

Sorted By           :      Signal
Calib. Data Modified :      2/15/2024 1:02:19 PM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=255,4 Ref=320,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	1.966	BB	0.0937	2.68478	0.0257	?
2	6.268	BV	0.2538	1.03464e4	99.0577	4-trans-Hydroxy Cilostazol-D5
3	7.455	VB	0.2503	13.19462	0.1263	?
4	8.966	BB	0.2304	4.21875	0.0404	?
5	18.194	BB	0.6750	78.32162	0.7499	?

Totals : 1.04448e4

Sample Name: GR-12-281

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\*\*\* End of Report \*\*\*