

Name:	2'-Ethyl Simvastatin
Lot#:	GR-9-201
Test Date:	02/11/2022 (re-test date: 02/11/2027)
CAS No.:	79902-42-4
MF:	C ₂₃ H ₃₄ O ₅
MW:	390.51
Appearance:	White solid
Purity:	97.7% by HPLC (average of two sample preparations)
¹H-NMR:	Conforms
MS-ESI (+)	Conforms (shows peaks at m/z = 391.24 [M+H] ⁺ , 413.19 [M+Na] ⁺)
Storage	Store at -18°C in a dry place away from direct sunlight

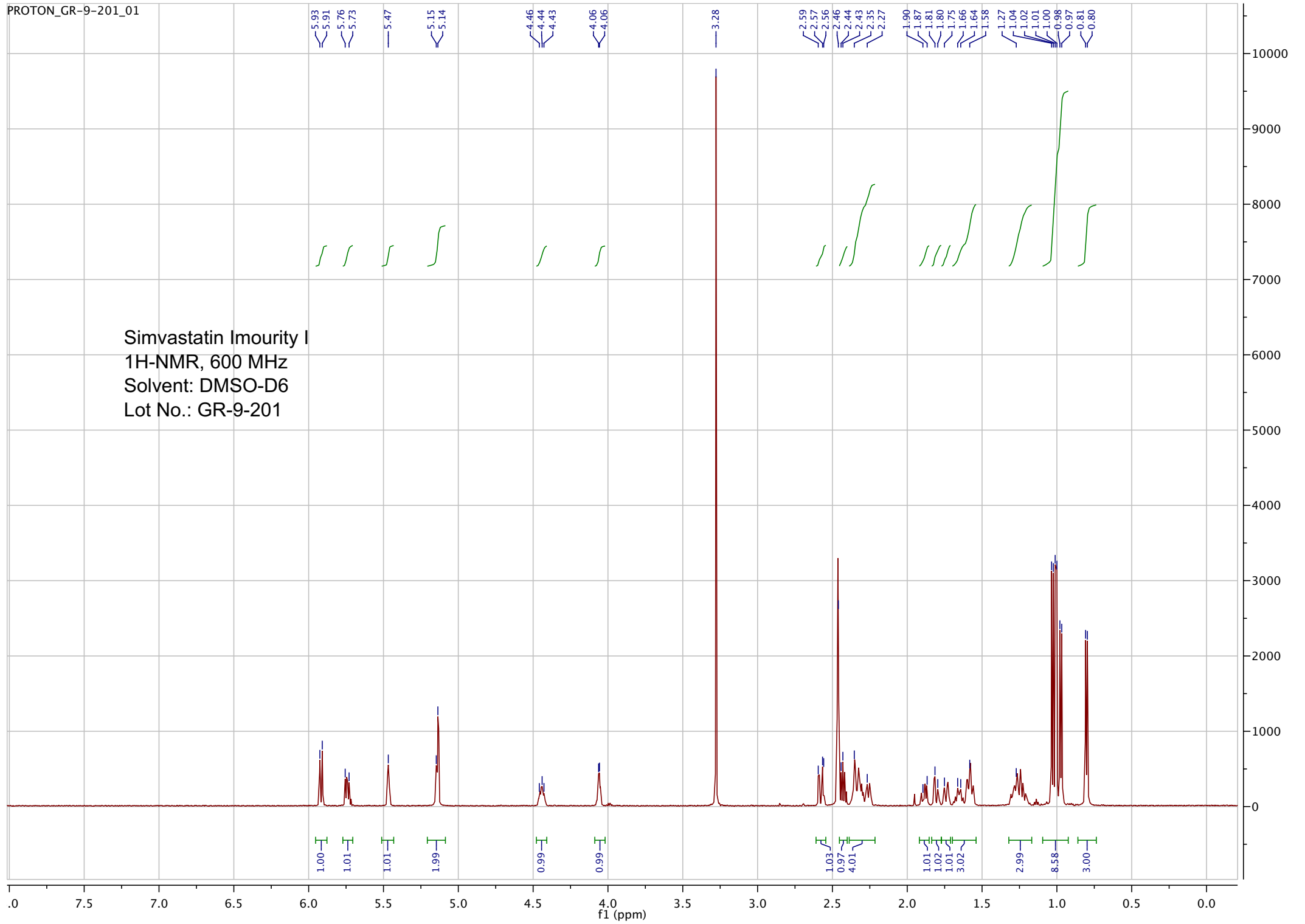
Approved by:

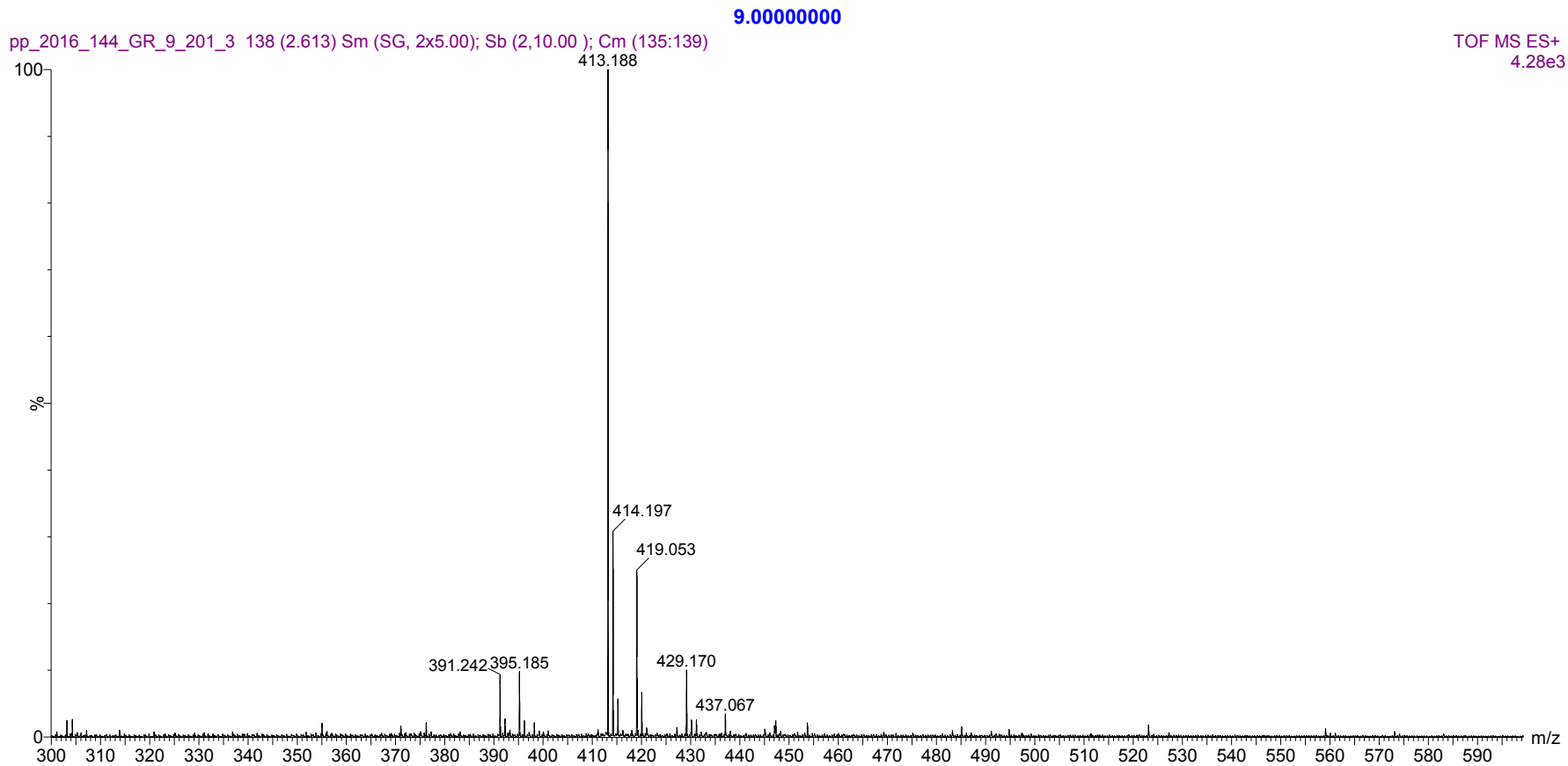
Date: 02/11/2022



Viorica Rusu, QC/QA Manager

Simvastatin Imourity I
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-9-201

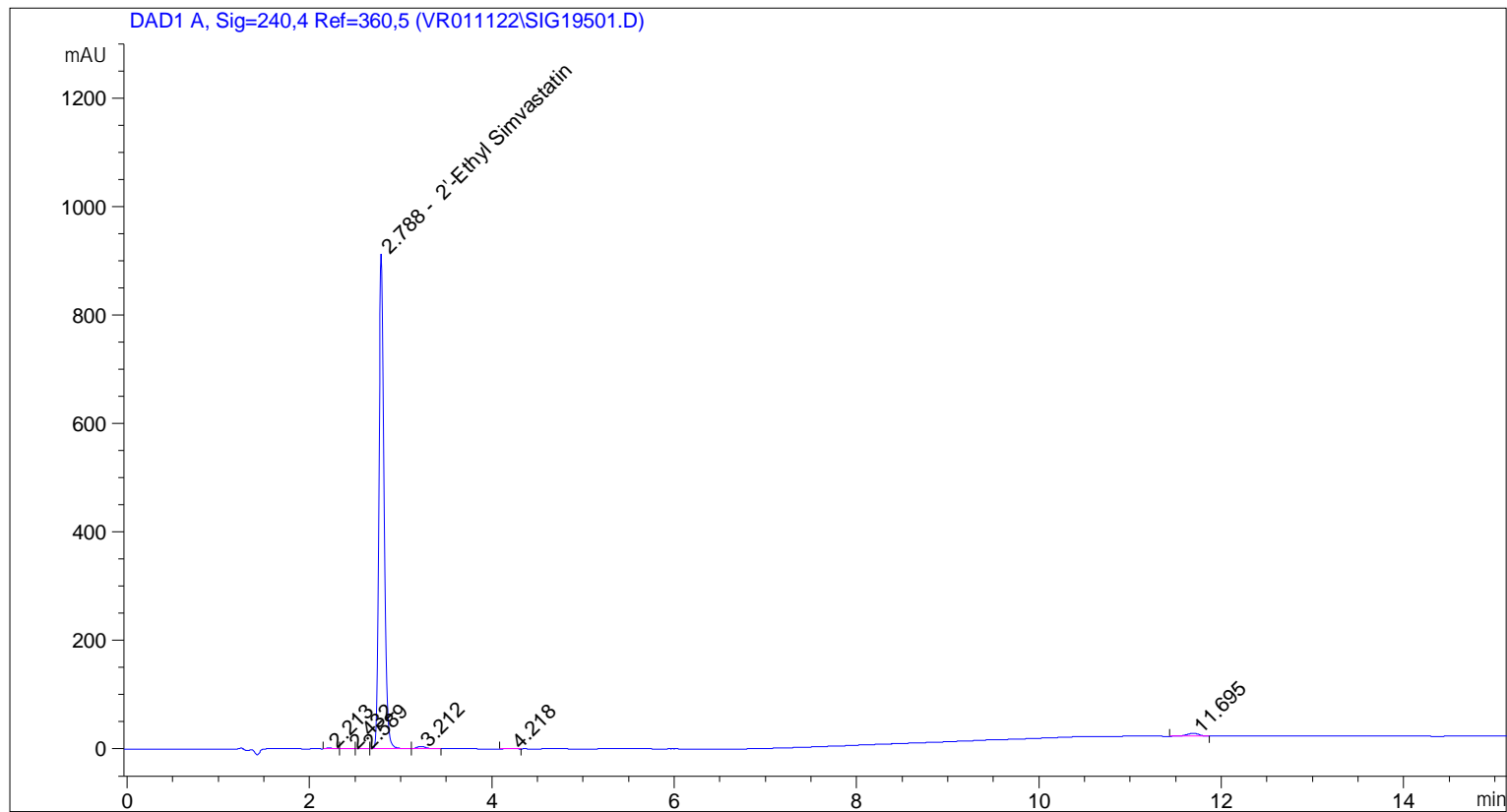




Raw ESI-MS spectrum for sample GR-9-201. Shows monoisotopic $[M+H]^+$ mass.

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=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 2
Injection Date  : 2/10/2022 3:07:14 PM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR021022_201.M
Last changed    : 2/10/2022 3:06:25 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR021122_201PM.M
Last changed    : 2/11/2022 8:59:59 AM by vrusu
  
```



Area Percent Report

```

Sorted By      : Signal
Calib. Data Modified : 2/11/2022 8:58:14 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	2.213	BB	0.0603	7.24907	0.1908	?
2	2.432	BV	0.0731	3.00879	0.0792	?
3	2.589	VV	0.0984	4.94027	0.1301	?
4	2.788	VB	0.0614	3705.66357	97.5563	2'-Ethyl Simvastatin
5	3.212	BB	0.0974	27.20031	0.7161	?
6	4.218	BB	0.0757	2.37226	0.0625	?
7	11.695	BB	0.1478	48.05470	1.2651	?

Sample Name: GR-9-201

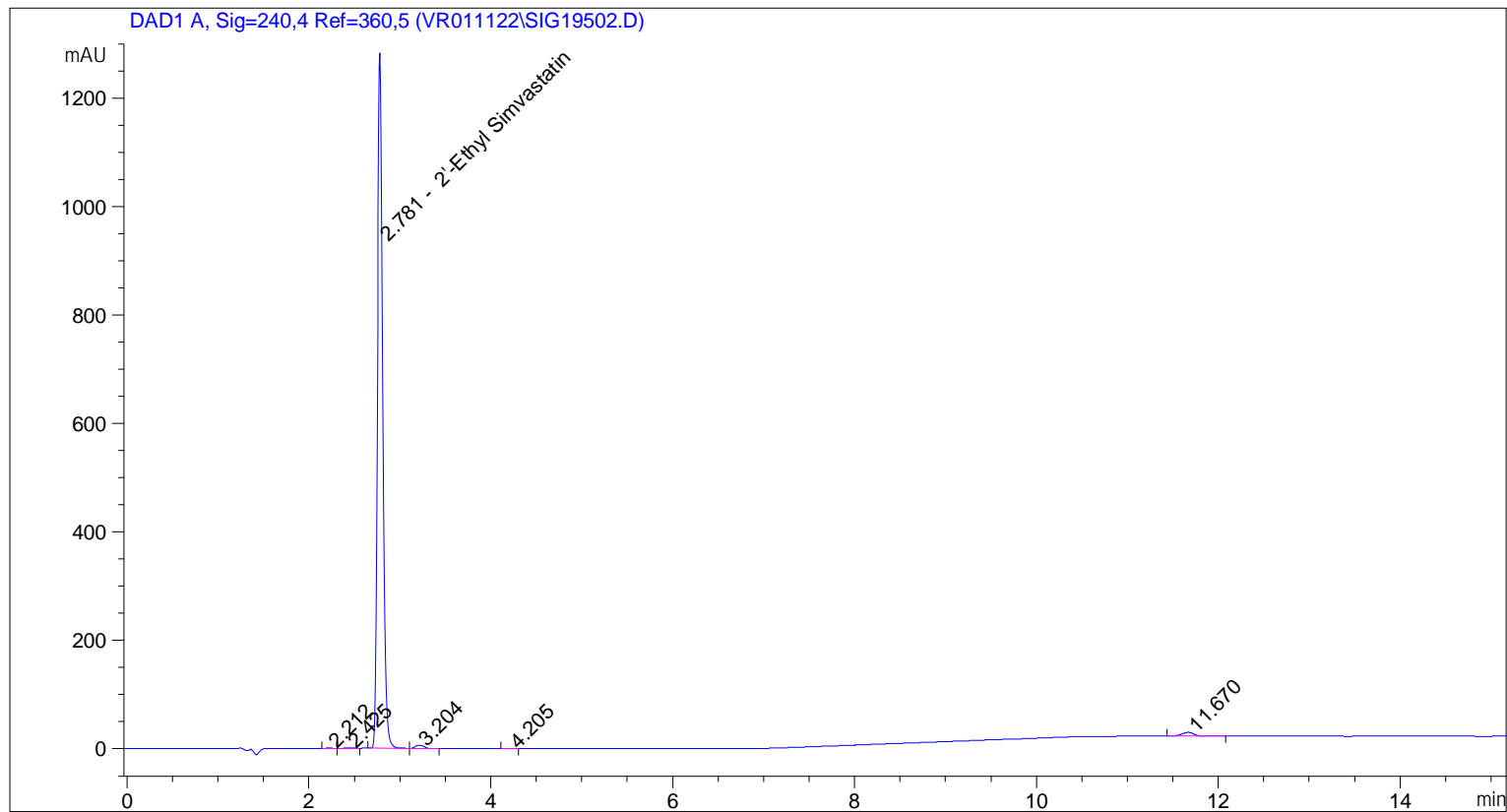
Totals : 3798.48897

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*** End of Report ***

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=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 3
Injection Date  : 2/10/2022 3:27:27 PM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR021022_201.M
Last changed    : 2/10/2022 3:25:11 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR021122_201PM.M
Last changed    : 2/11/2022 8:59:59 AM by vrusu
  
```



Area Percent Report

```

Sorted By           : Signal
Calib. Data Modified : 2/11/2022 8:58:14 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	2.212	BB	0.0656	4.67513	0.0873	?
2	2.425	BB	0.0635	2.86039	0.0534	?
3	2.781	BV	0.0636	5237.31104	97.7993	2'-Ethyl Simvastatin
4	3.204	VB	0.0973	39.41914	0.7361	?
5	4.205	BB	0.0746	3.62415	0.0677	?
6	11.670	BB	0.1462	67.27009	1.2562	?

Totals : 5355.15993

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*** End of Report ***