

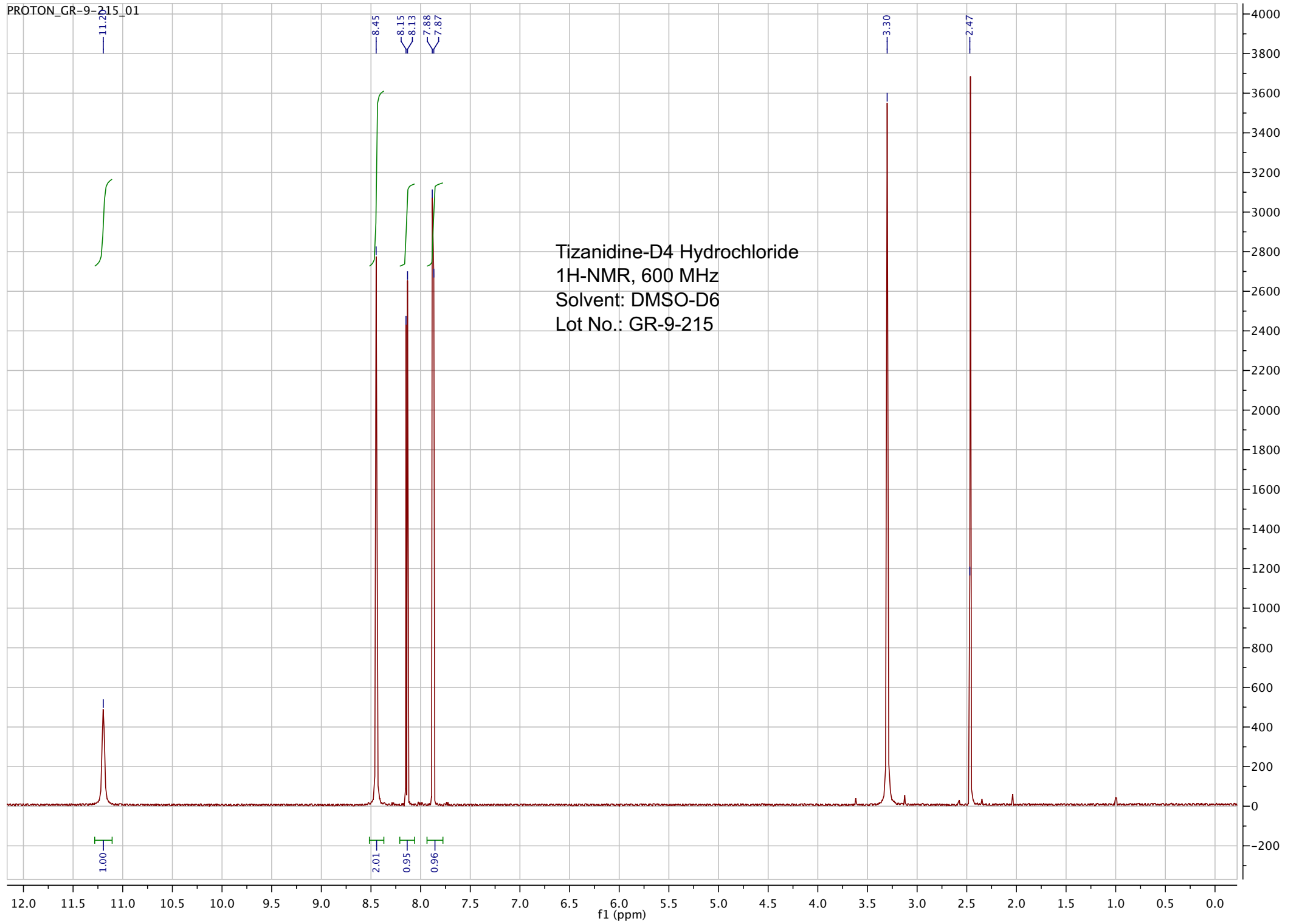
<b>Name:</b>	Tizanidine-D4 Hydrochloride
<b>Lot#:</b>	GR-9-215
<b>Test Date:</b>	02/10/2022 (re-test date: 02/10/2027)
<b>CAS No.:</b>	1188263-51-5
<b>MF:</b>	C <sub>9</sub> H <sub>5</sub> D <sub>4</sub> Cl <sub>2</sub> N <sub>5</sub> S
<b>MW:</b>	294.20
<b>Appearance:</b>	Pale Yellow Solid
<b>Purity:</b>	100% by HPLC (average of two sample preparations); 99% atom D
<b><sup>1</sup>H-NMR:</b>	Conforms
<b>MS-ESI (+)</b>	Conforms (shows peak at m/z = 258.74, 260.74 [M <sub>(free base)+H</sub> ] <sup>+</sup> ), shows the expected pattern for the mono-chloro-substituted compounds
<b>Storage</b>	Long term store at -18°C in a dry place away from direct sunlight

Approved by:

Date: 02/10/2022

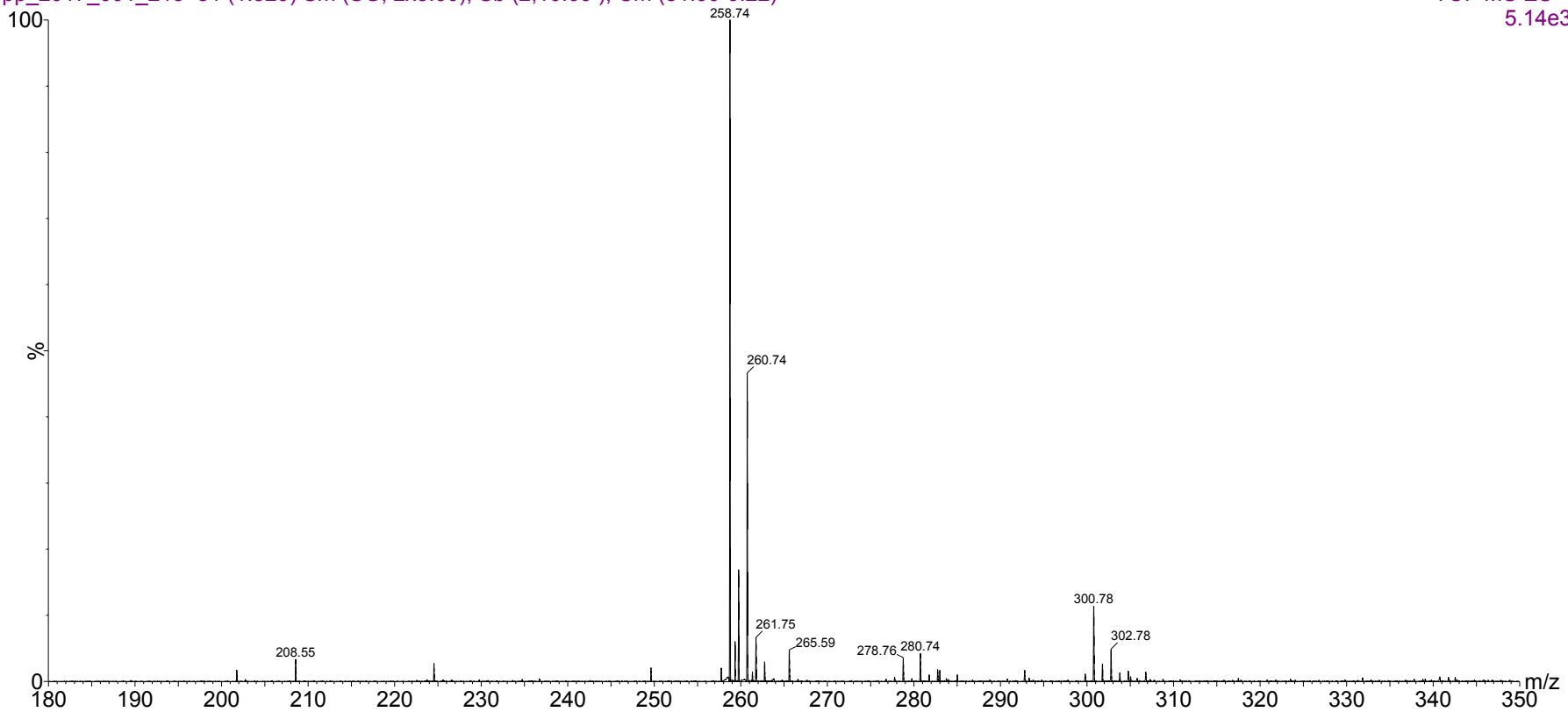


Viorica Rusu, QC/QA Manager

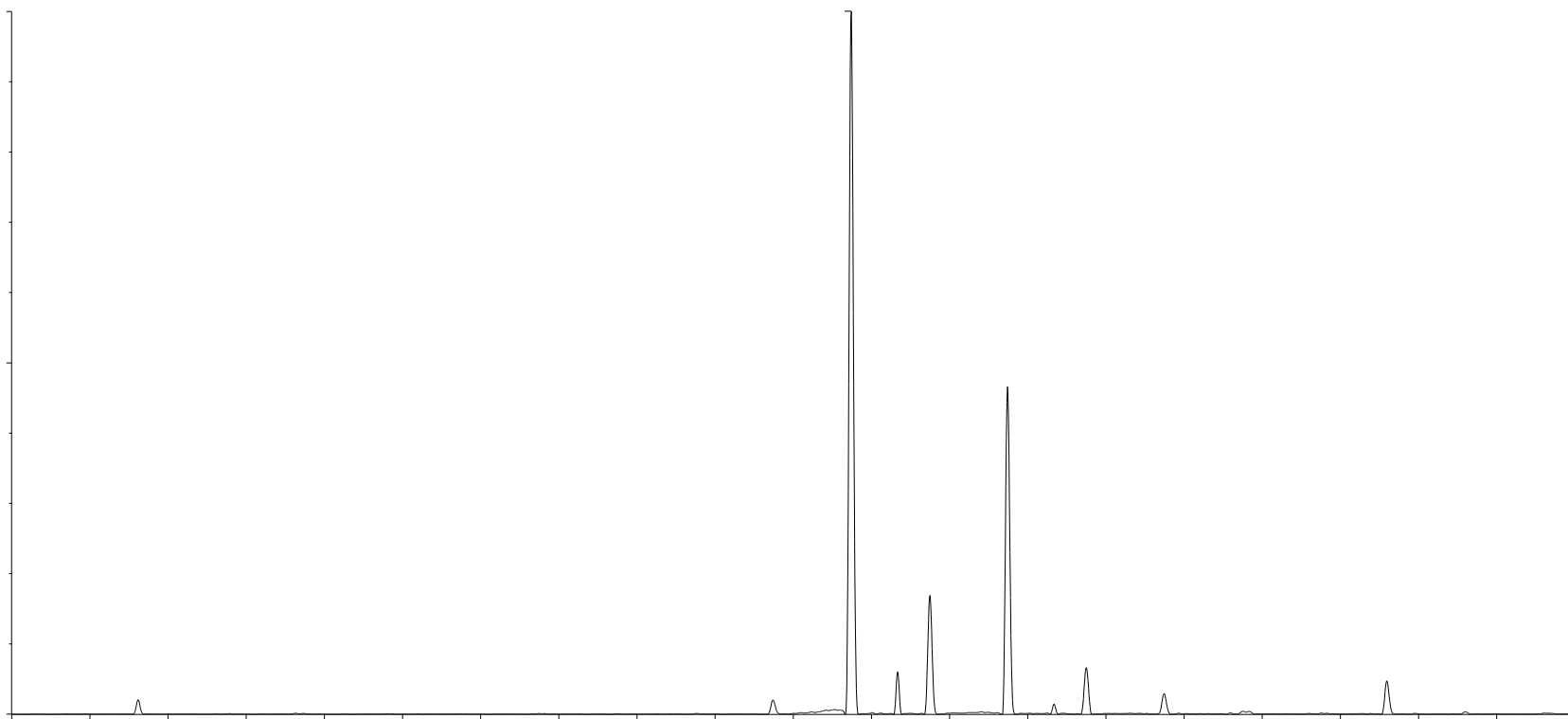


pp\_2017\_001\_215 81 (1.529) Sm (SG, 2x5.00); Sb (2,10.00 ); Cm (81:90-9:22)

TOF MS ES+  
5.14e3



Raw ESI-MS spectrum for sample GR-9-215. Shows monoisotopic  $[M+H]^+$  mass



*Expansion of above with intensity labels*

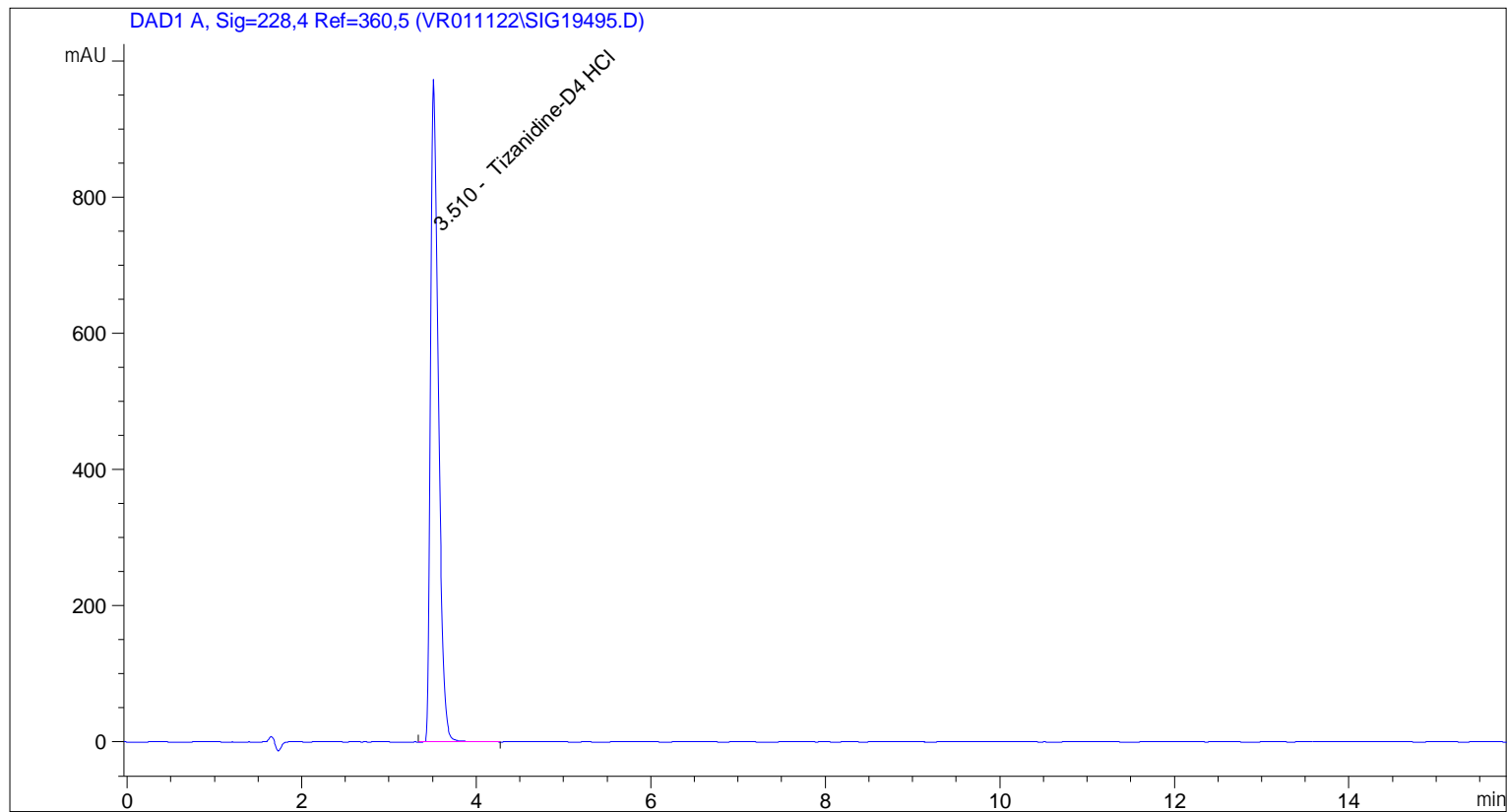
pp\_2017\_001\_215 81 (1.529) Sm (SG, 2x5.00); Sb (2,10.00 ); Cm (81:90-9:22)

TOF MS ES+  
5.14e3

100

258.74  
514.2

=====  
Acq. Operator : vrusu  
Acq. Instrument : Instrument 1 Location : Vial 99  
Injection Date : 2/10/2022 12:58:59 PM Inj Volume : 5.0 µl  
Acq. Method : C:\CHEM32\1\METHODS\VR021022\_215.M  
Last changed : 2/10/2022 12:57:26 PM by vrusu  
Analysis Method : C:\CHEM32\1\METHODS\VR021022\_215PM.M  
Last changed : 2/10/2022 2:47:05 PM by vrusu



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

Sorted By : Signal  
Calib. Data Modified : 2/10/2022 2:46:16 PM  
Multiplier: : 1.0000  
Dilution: : 1.0000  
Use Multiplier & Dilution Factor with ISTDs

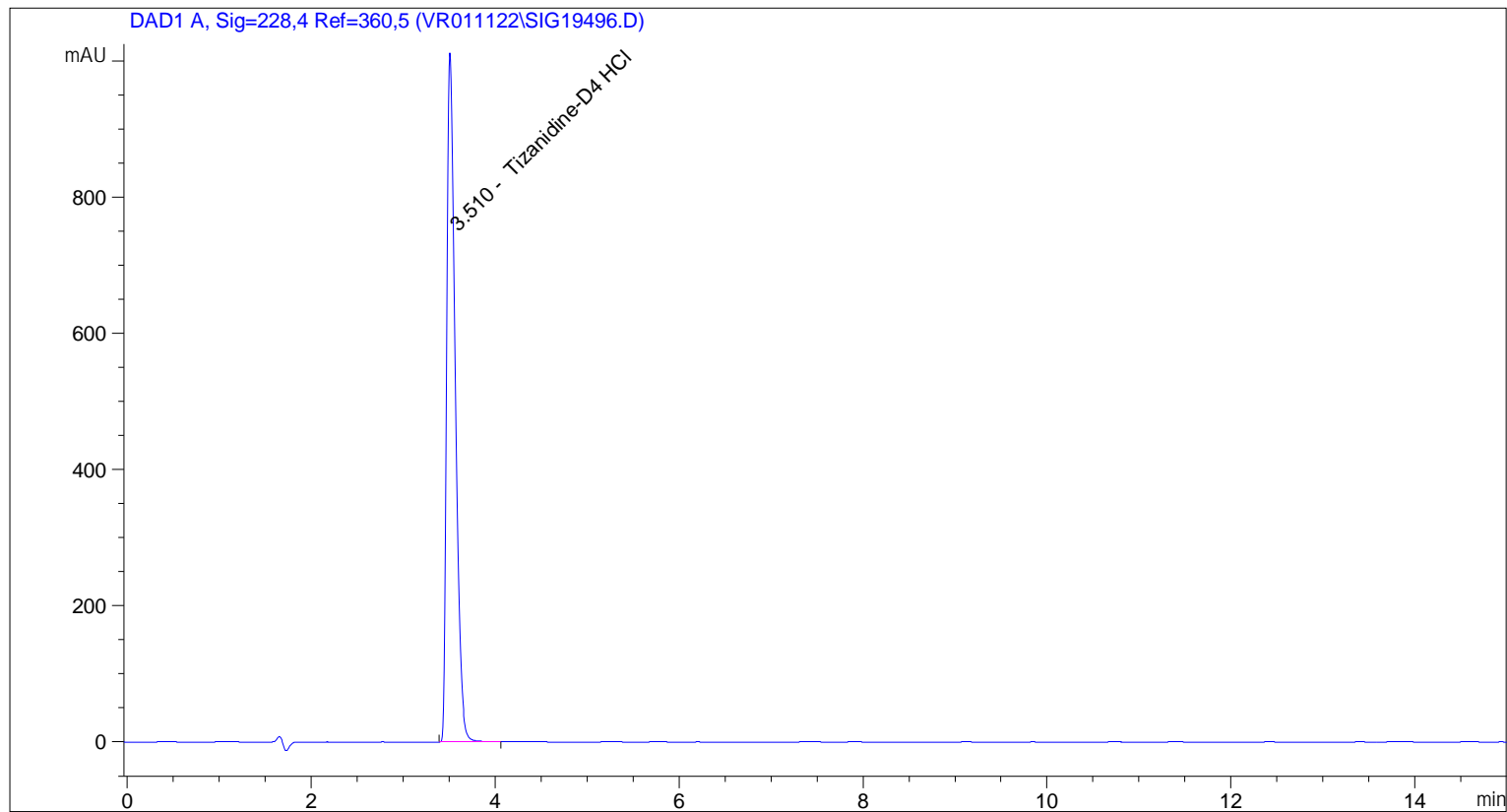
Signal 1: DAD1 A, Sig=228,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.510	BB	0.0978	6164.54346	100.0000	Tizanidine-D4 HCl

Totals : 6164.54346

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

=====  
Acq. Operator : vrusu  
Acq. Instrument : Instrument 1 Location : Vial 100  
Injection Date : 2/10/2022 1:17:12 PM Inj Volume : 5.0 µl  
Acq. Method : C:\CHEM32\1\METHODS\VR021022\_215.M  
Last changed : 2/10/2022 1:15:40 PM by vrusu  
Analysis Method : C:\CHEM32\1\METHODS\VR021022\_215PM.M  
Last changed : 2/10/2022 2:47:05 PM by vrusu



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

Sorted By : Signal  
Calib. Data Modified : 2/10/2022 2:46:16 PM  
Multiplier: : 1.0000  
Dilution: : 1.0000  
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=228,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.510	BB	0.0979	6416.10059	100.0000	Tizanidine-D4 HCl

Totals : 6416.10059

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