

Name:	Olmesartan-D4 (4-(1-Hydroxy-1-methylethyl)-2-propyl-1-[[2'-(1H-tetazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-1H-imidazole-5-carboxylic Acid-d4)
Lot#:	GR-8-277
Test Date:	01/12/2022 (re-test date:01/12/2027)
CAS No.:	1420880-41-6
MF:	C ₂₄ H ₂₂ D ₄ N ₆ O ₃
MW:	450.53
Appearance:	Off-White Solid
Purity:	99.8% by HPLC (average of two sample preparations); >98% atom D
¹H-NMR:	Conforms
MS-ESI (+)	Conforms (shows peak at m/z = 451.26 [M+H] ⁺)
Storage	Store at -18°C in a dry place away from direct sunlight

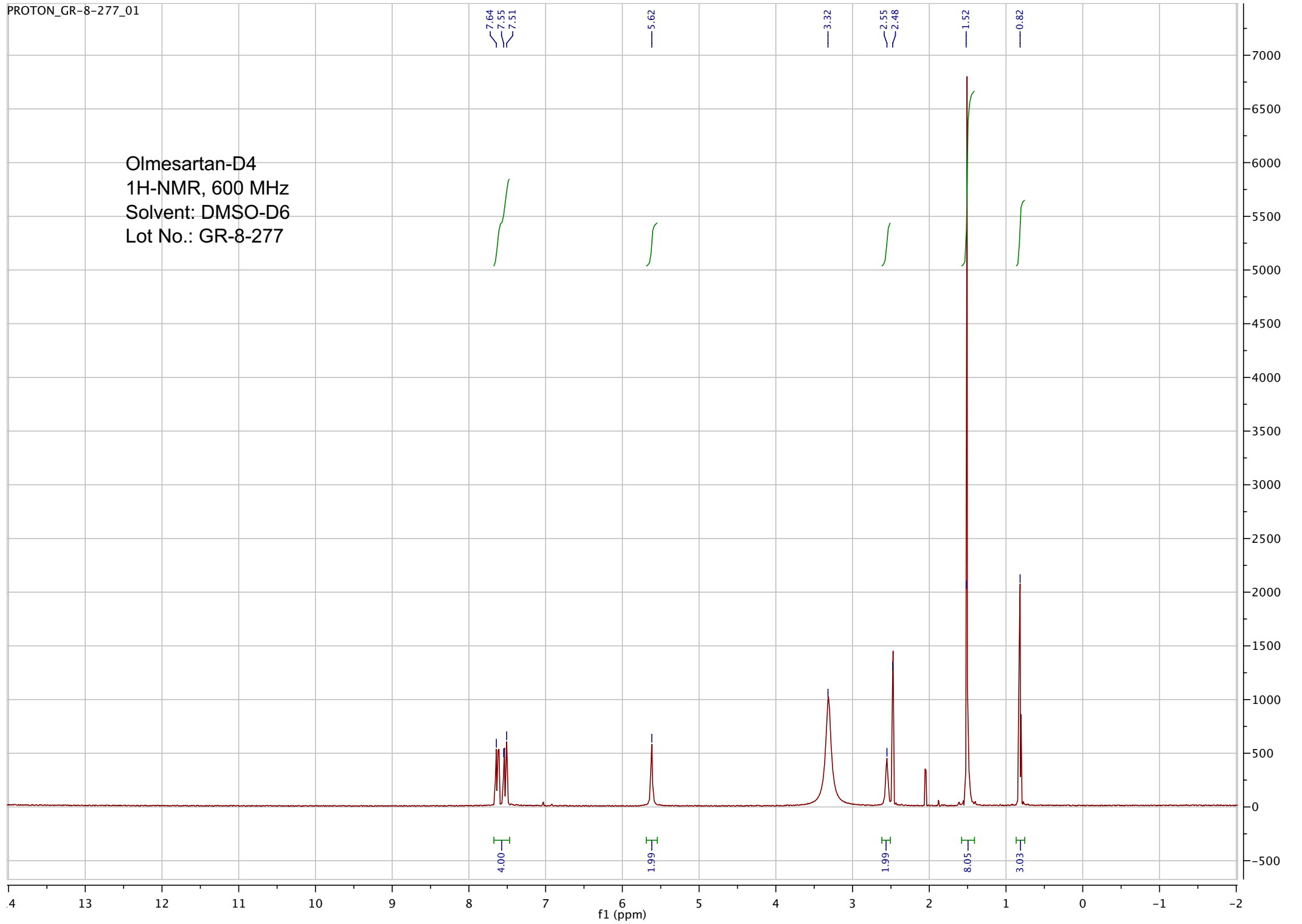
Approved by:

Date: 01/13/2022



Viorica Rusu, QC/QA Manager

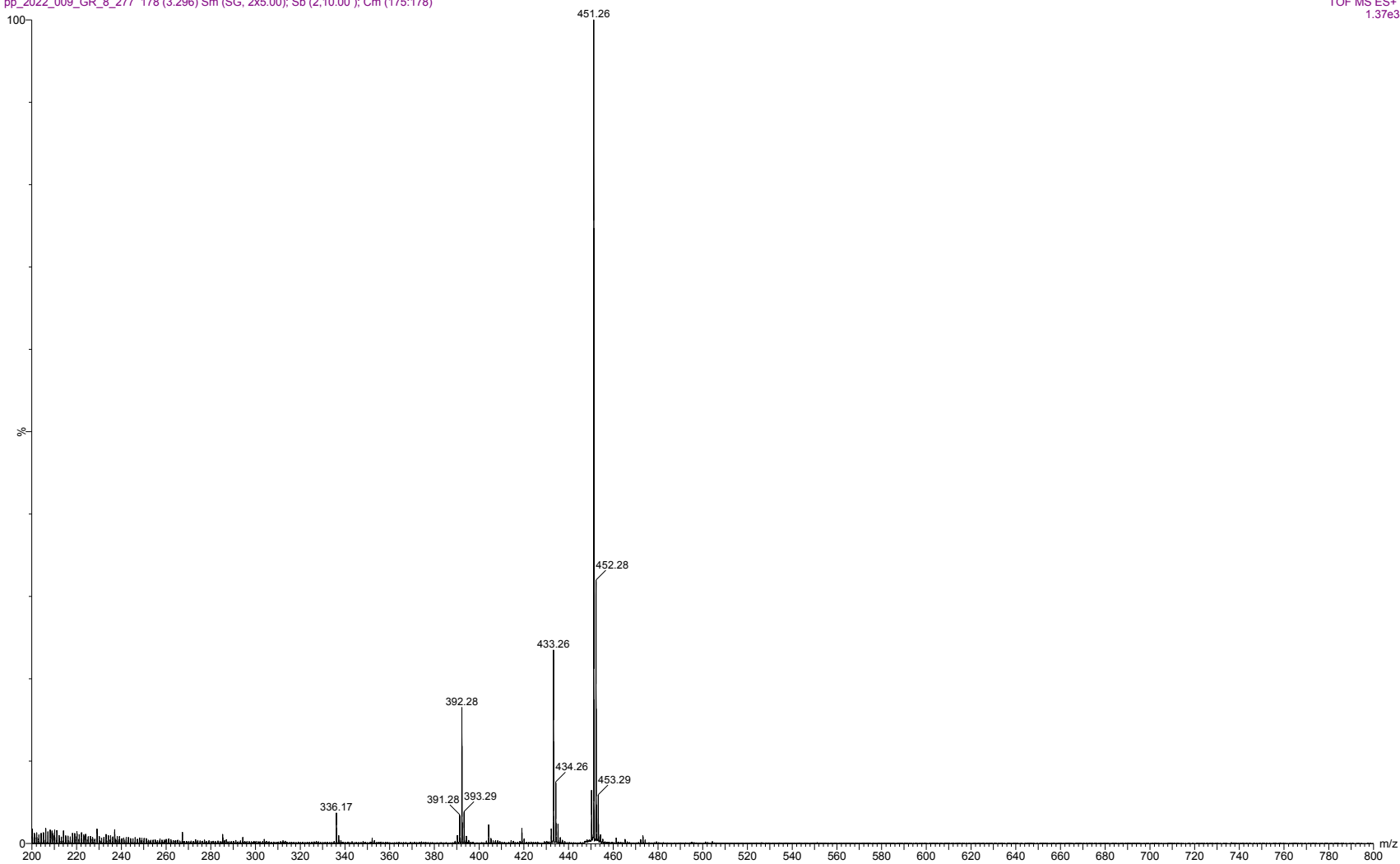
Olmesartan-D4
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-8-277



pp_2022_009_GR_8_277 178 (3.296) Sm (SG, 2x5.00); Sb (2,10.00); Cm (175:178)

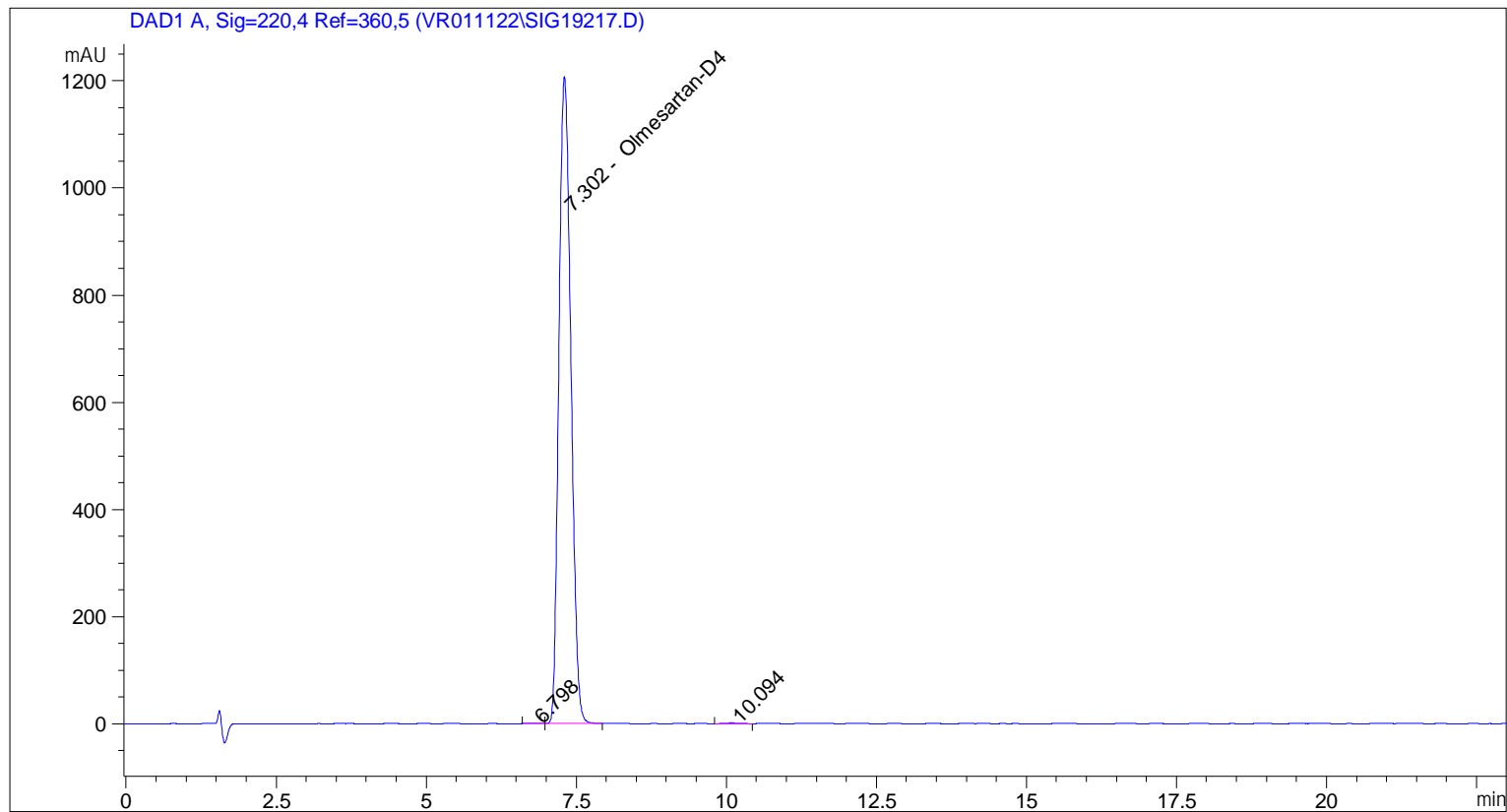
7.0000000

TOF MS ES+
1.37e3



ESI-MS spectrum for sample GR-8-277. Shows monoisotopic [M+H]⁺ mass.

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Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 79
Injection Date : 1/12/2022 9:44:00 AM Inj Volume : 10.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR011222_277.M
Last changed : 1/12/2022 9:42:52 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR011222_277PM.M
Last changed : 1/12/2022 1:12:11 PM by vrusu



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Area Percent Report
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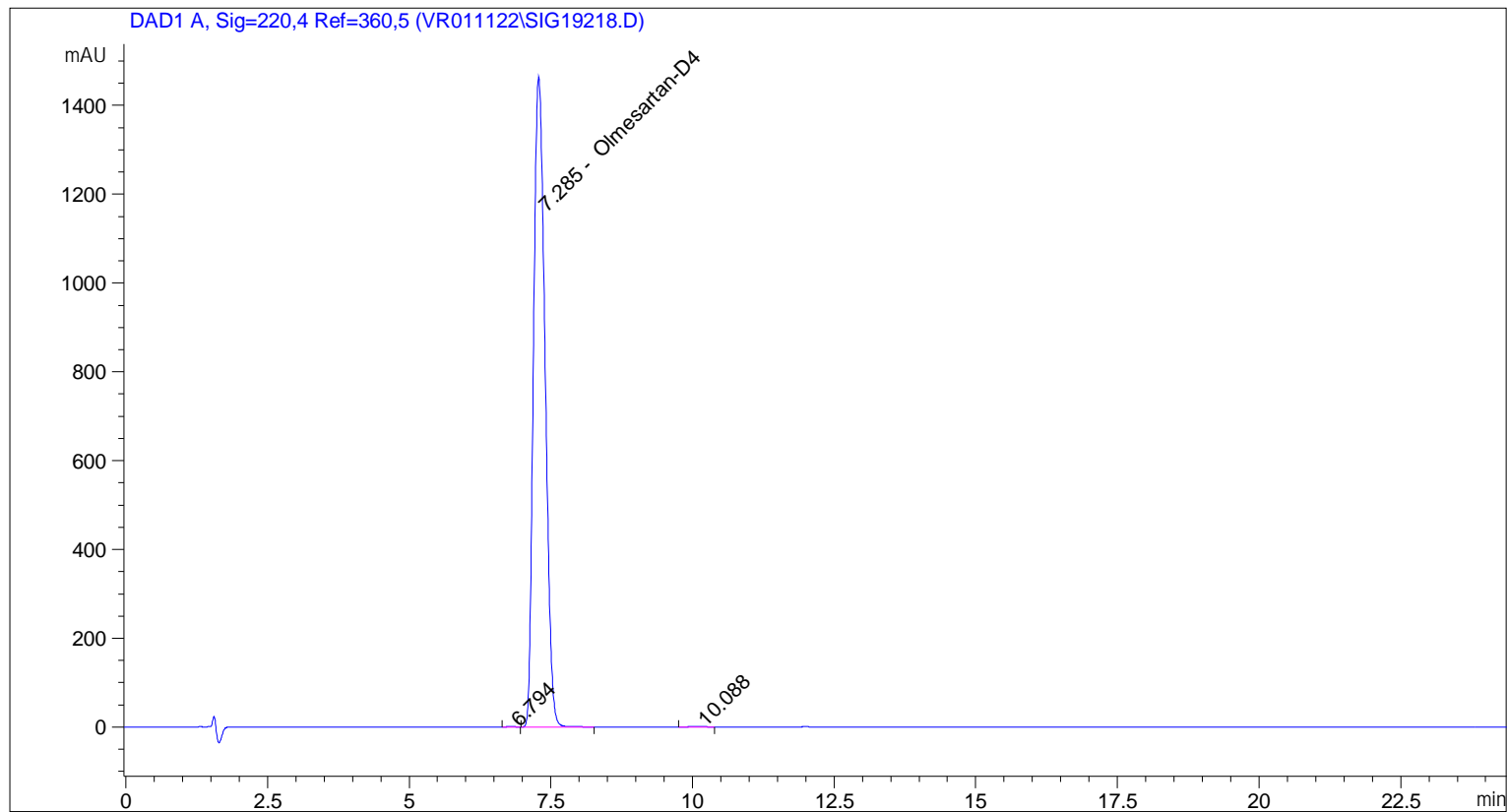
Sorted By : Signal
Calib. Data Modified : 1/12/2022 1:11:43 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=220,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	6.798	BB	0.1540	7.36203	0.0438	?
2	7.302	BB	0.2222	1.67861e4	99.8208	Olmesartan-D4
3	10.094	BB	0.2284	22.77584	0.1354	?

Totals : 1.68163e4

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Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 80
Injection Date : 1/12/2022 10:08:49 AM Inj Volume : 10.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR011222_277.M
Last changed : 1/12/2022 10:07:42 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR011222_277PM.M
Last changed : 1/12/2022 1:12:11 PM by vrusu



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Area Percent Report
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Sorted By : Signal
Calib. Data Modified : 1/12/2022 1:11:43 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=220,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	6.794	BB	0.1461	11.41205	0.0546	?
2	7.285	BB	0.2282	2.08588e4	99.8142	Olmesartan-D4
3	10.088	BB	0.2392	27.41461	0.1312	?

Totals : 2.08976e4