

Name:	Oxybutynin-N-Substituted Allyl Impurity Hydrochloride (Oxybutynin OXB RC7 HCl)
Lot#:	GR-17-267-1
Test Date:	12/20/2022 (re-test date: 12/20/2027)
CAS No.:	NA
MF:	C ₃₈ H ₅₀ ClNO ₆
MW:	652.26
Appearance:	White solid
Purity:	98.1% by HPLC (average of two sample preparations)
¹H-NMR:	Conforms (contains a trace of Ether)
MS-ESI (+)	Conforms (shows peak at m/z = 616.36 [M _(free base) +H] ⁺)
Storage	Store at 0-5°C in a dry place away from direct sunlight

Approved by:

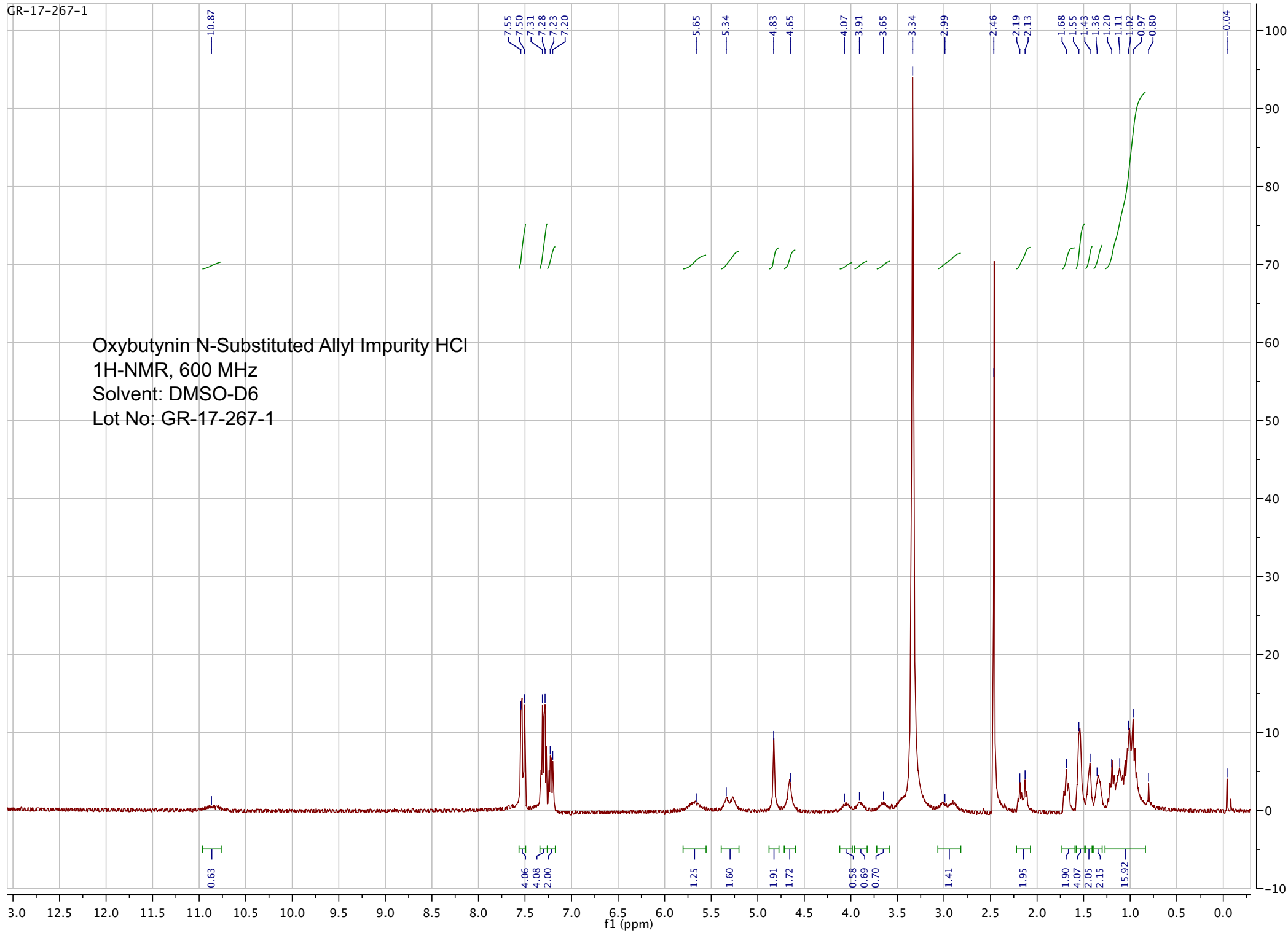
Date: 01/12/2023



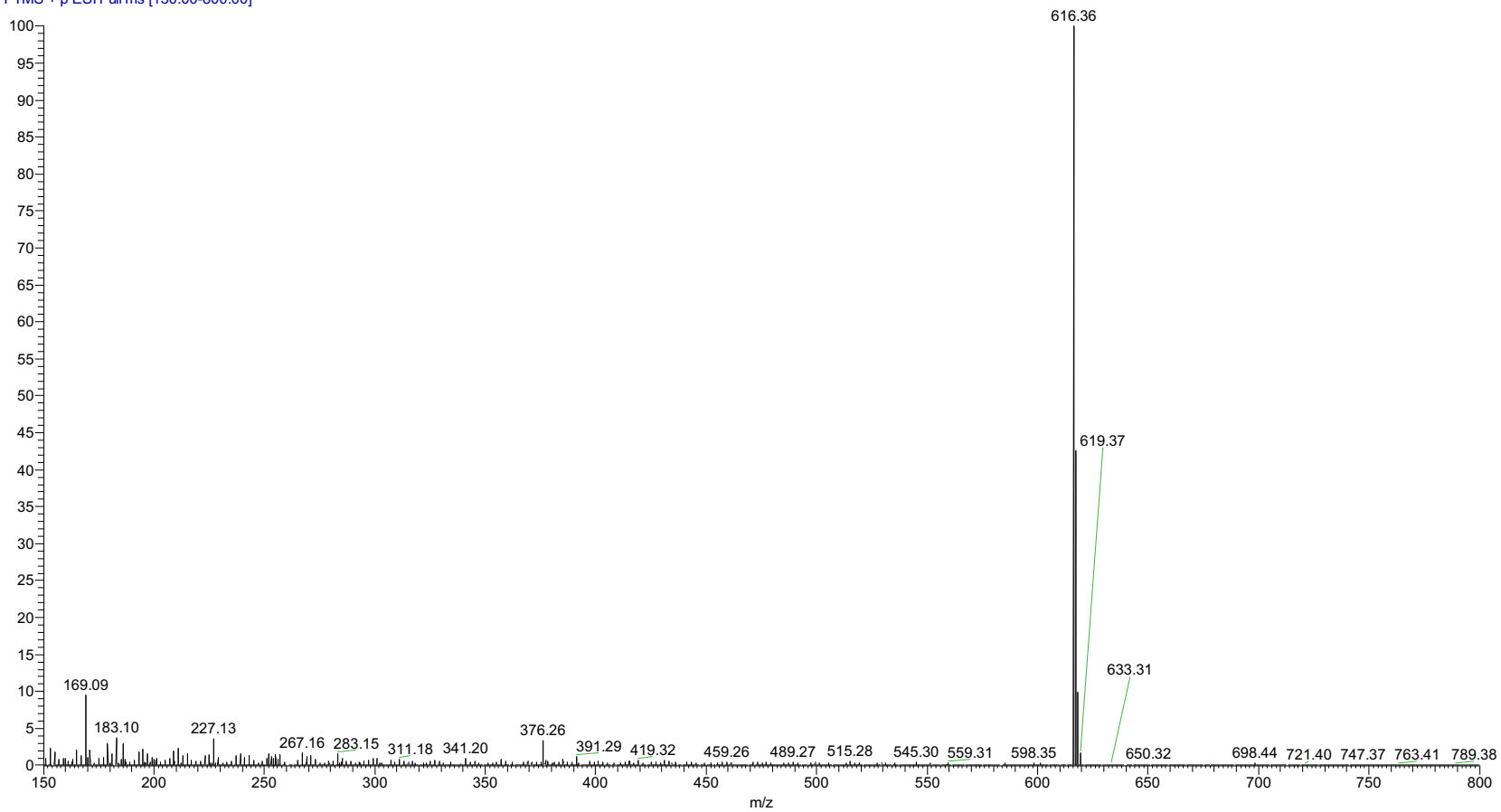
Viorica Rusu, QC/QA Manager

GR-17-267-1

Oxybutynin N-Substituted Allyl Impurity HCl
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No: GR-17-267-1



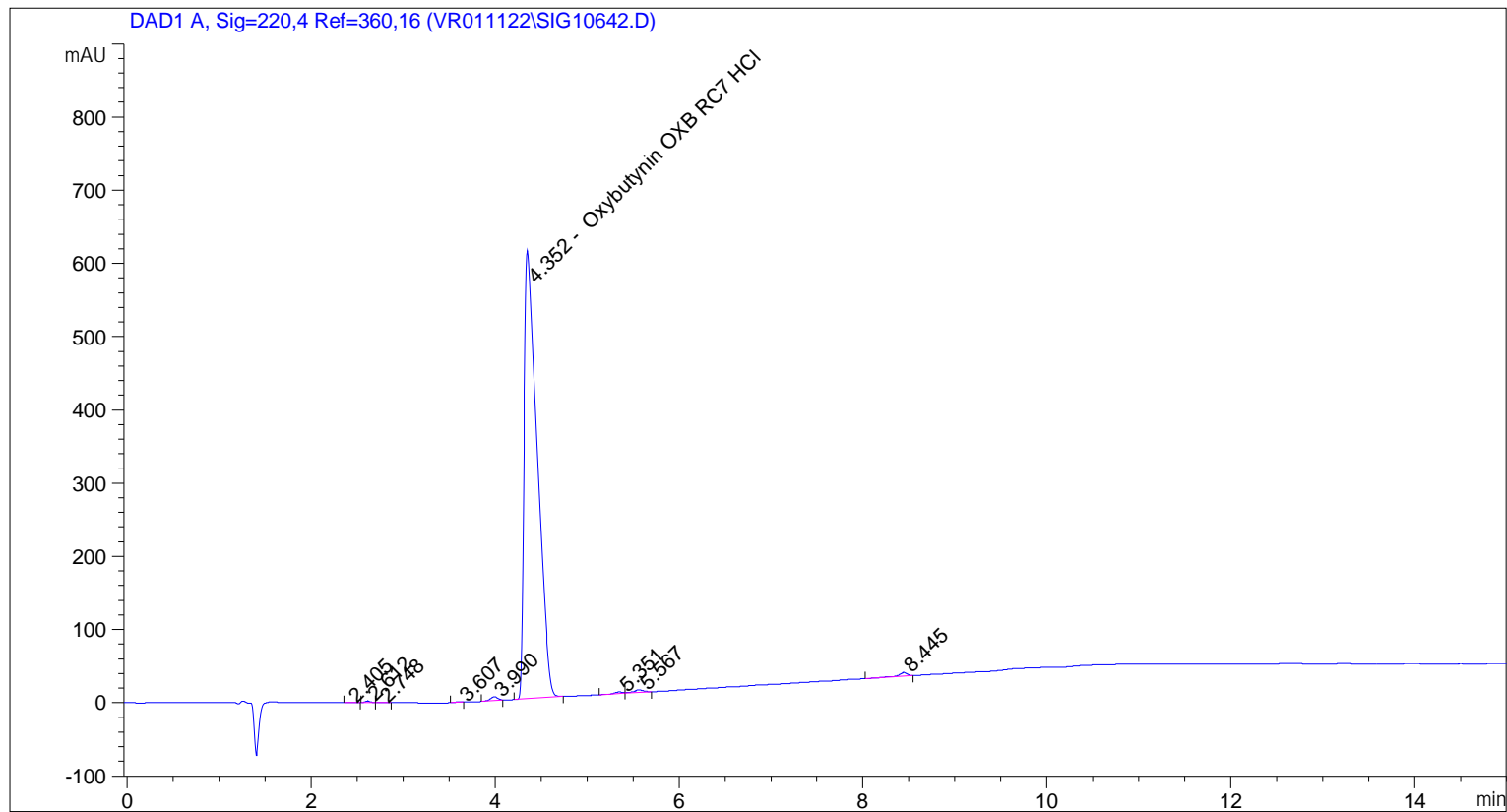
pp_2023_004_GR_17_267_1_3#81 RT: 0.32 AV: 1 NL: 2.26E7
T: FTMS + p ESI Full ms [150.00-800.00]



ESI-MS spectrum for sample GR-17-267_1. Shows monoisotopic [M+H]⁺ mass.

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 53
Injection Date  : 12/20/2022 9:13:31 AM
                                           Inj Volume : 15.0 µl
Acq. Method    : C:\CHEM32\1\METHODS\VR122022_267.M
Last changed   : 12/20/2022 9:12:13 AM by vrusu
Analysis Method: C:\CHEM32\1\METHODS\VR122022_267_1PM.M
Last changed   : 12/20/2022 1:08:42 PM by vrusu
  
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Area Percent Report

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Sorted By      : Signal
Calib. Data Modified : 12/20/2022 1:05:32 PM
Multiplier:    : 1.0000
Dilution:     : 1.0000
Use Multiplier & Dilution Factor with ISTDs
  
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Signal 1: DAD1 A, Sig=220,4 Ref=360,16

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.405	BB	0.0635	1.05820	0.0171	?
2	2.612	BV	0.0635	9.62817	0.1552	?
3	2.748	VV	0.0736	2.55431	0.0412	?
4	3.607	BB	0.0666	2.68447	0.0433	?
5	3.990	BB	0.0815	27.17369	0.4380	?
6	4.352	BB	0.1460	6082.72266	98.0403	Oxybutynin OXB RC7 HCl
7	5.351	BV	0.0921	14.43283	0.2326	?
8	5.567	VB	0.1100	27.89837	0.4497	?

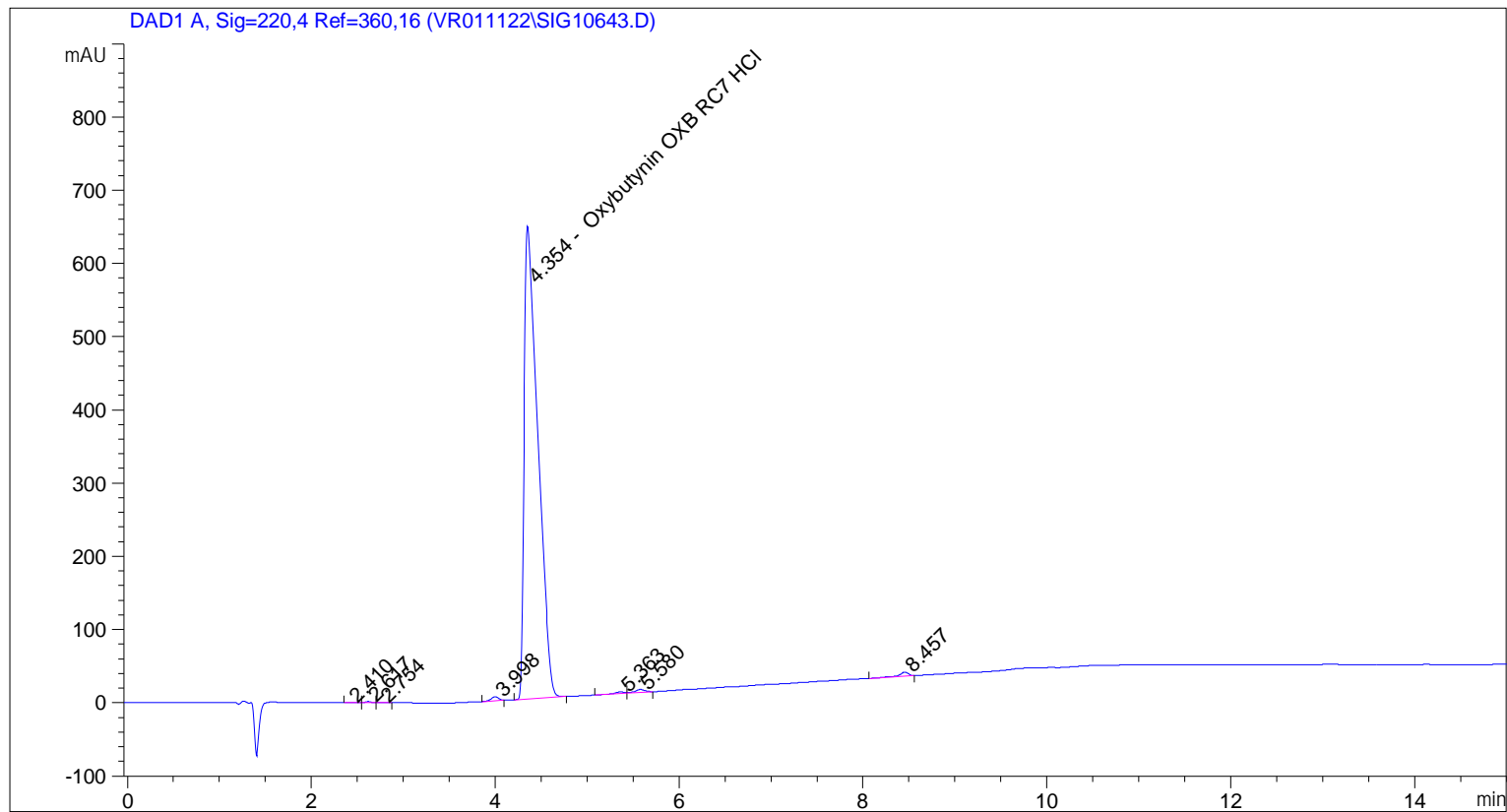
Sample Name: GR-17-267-1

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	8.445	BB	0.1029	36.15574	0.5828	?

Totals : 6204.30844

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*** End of Report ***

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Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 54
Injection Date : 12/20/2022 9:40:03 AM Inj Volume : 15.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR122022_267.M
Last changed : 12/20/2022 9:38:46 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR122022_267_1PM.M
Last changed : 12/20/2022 1:08:42 PM by vrusu



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Area Percent Report
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Sorted By : Signal
Calib. Data Modified : 12/20/2022 1:05:32 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=220,4 Ref=360,16

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.410	VV	0.0899	2.50368	0.0367	?
2	2.617	VV	0.0654	6.51836	0.0955	?
3	2.754	VB	0.0723	2.10100	0.0308	?
4	3.998	BB	0.0819	29.23690	0.4286	?
5	4.354	BB	0.1507	6694.36084	98.1275	Oxybutynin OXB RC7 HCl
6	5.363	BV	0.0996	16.46457	0.2413	?
7	5.580	VB	0.1099	31.05624	0.4552	?
8	8.457	BB	0.1037	39.86358	0.5843	?

Sample Name: GR-17-267-1 spl-2

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
Totals :				6822.10516		

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*** End of Report ***