

Name: **rac-O-Desmethyl Venlafaxine-D10**
(4-[2-(Dimethylamino)-1-(1-hydroxycyclohexyl-D10)ethyl]phenol)

Lot#: GR-9-045

Test Date: 09/26/2016 (re-test date: 09/26/2021)

CAS No.: 93413-62-8 (unlabelled)

MF: $C_{16}H_{15}D_{10}NO_2$

MW: 273.44

Appearance: White solid

Purity: 98.6% by HPLC; 99% deuterium labeling

1H -NMR: Conforms

MS-ESI (+) Conforms (shows peak at $m/z = 274.26 [M+H]^+$)

Approved by:

Date: 09/28/2016



Viorica Rusu, QC/QA Manager

PP_2016_098_GR_9_045_2 838 (15.519) Sm (SG, 2x5.00); Sb (2,10.00); Cm (819:841-2762:2823)

7.00000000

27-Sep-2016, 12:28:14
TOF MS ES+
1.17e3



ESI-MS spectrum for sample GR-9-045. Shows monoisotopic [M+H]⁺ mass.

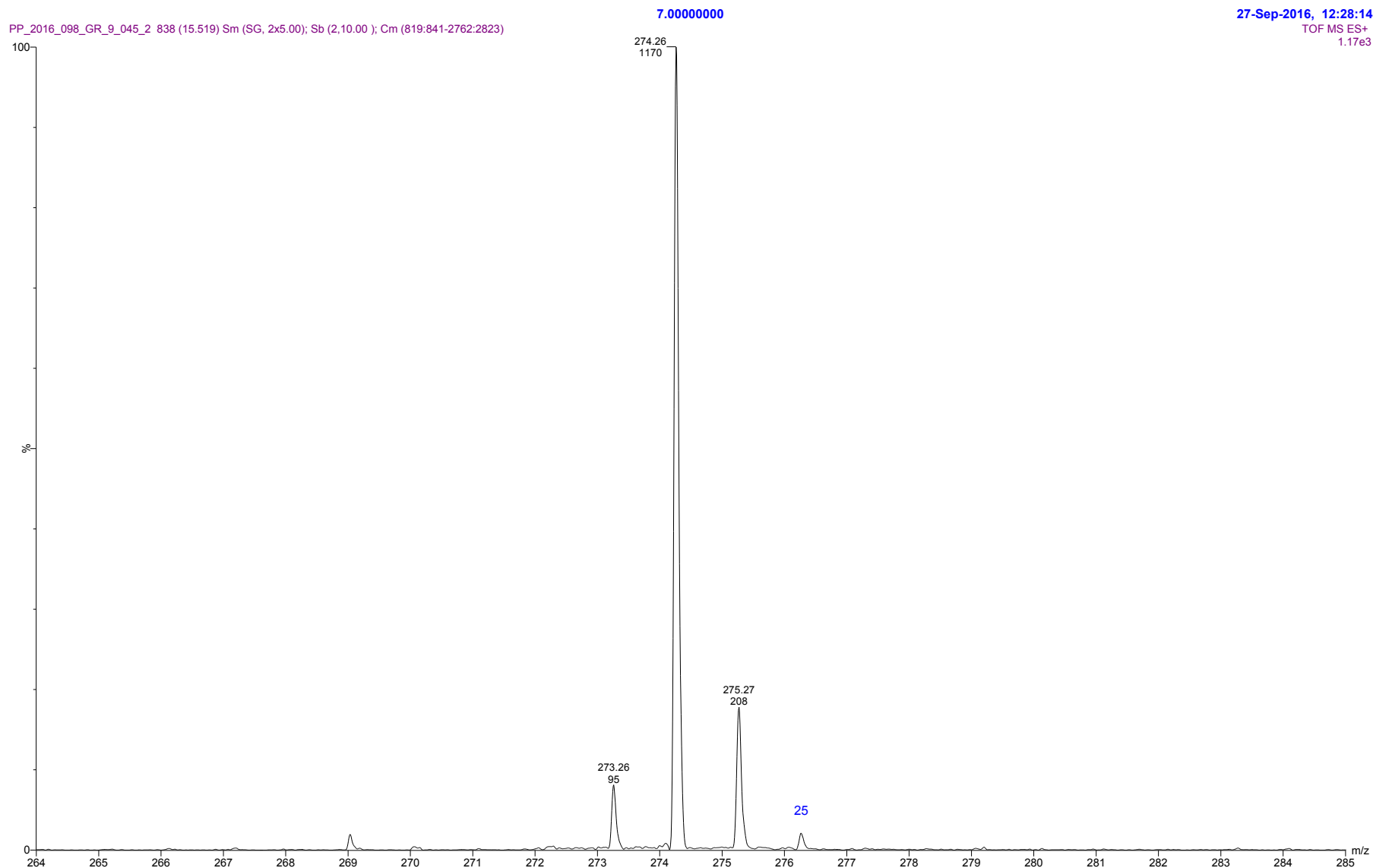
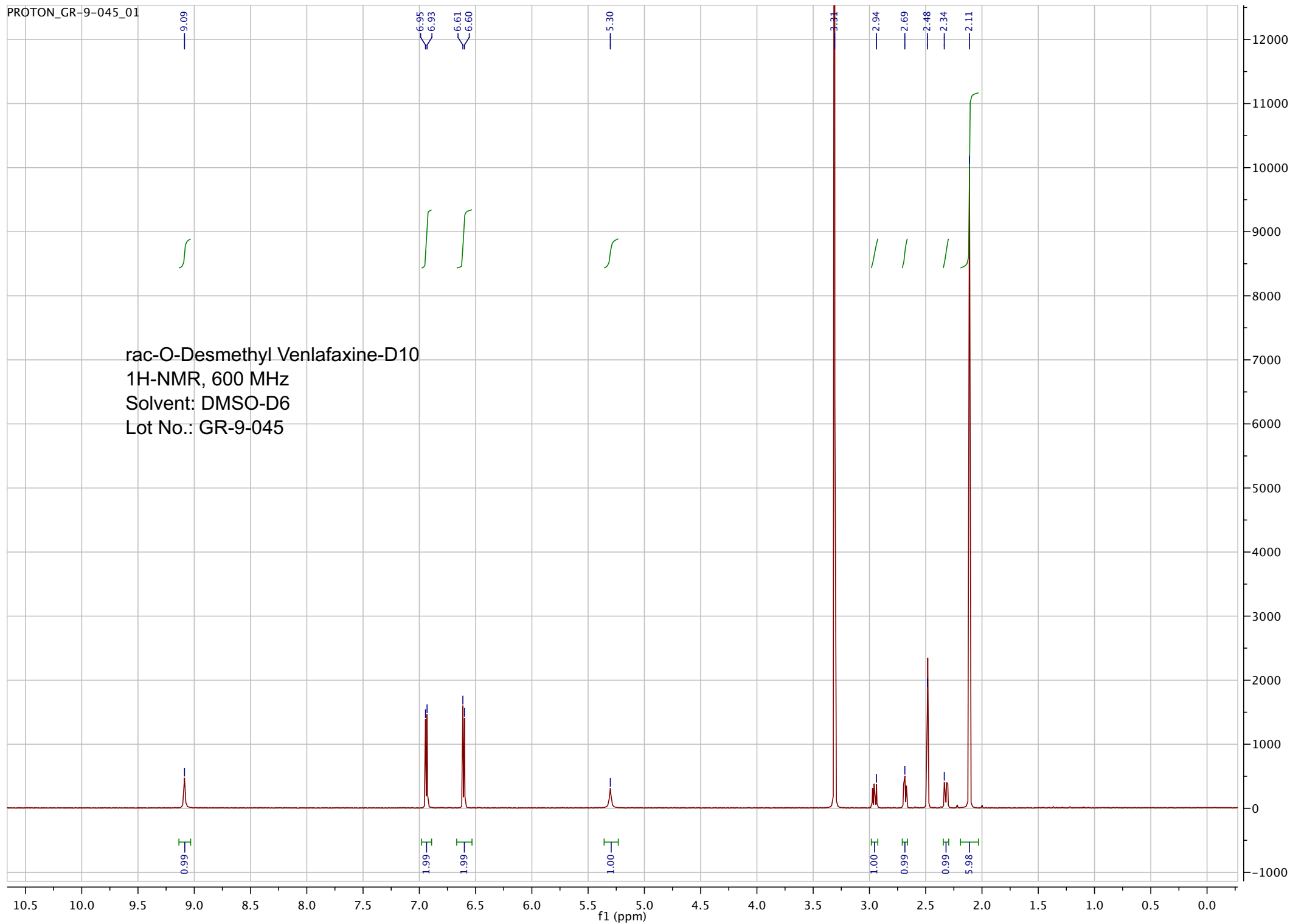


Figure 1 Expansion of above.

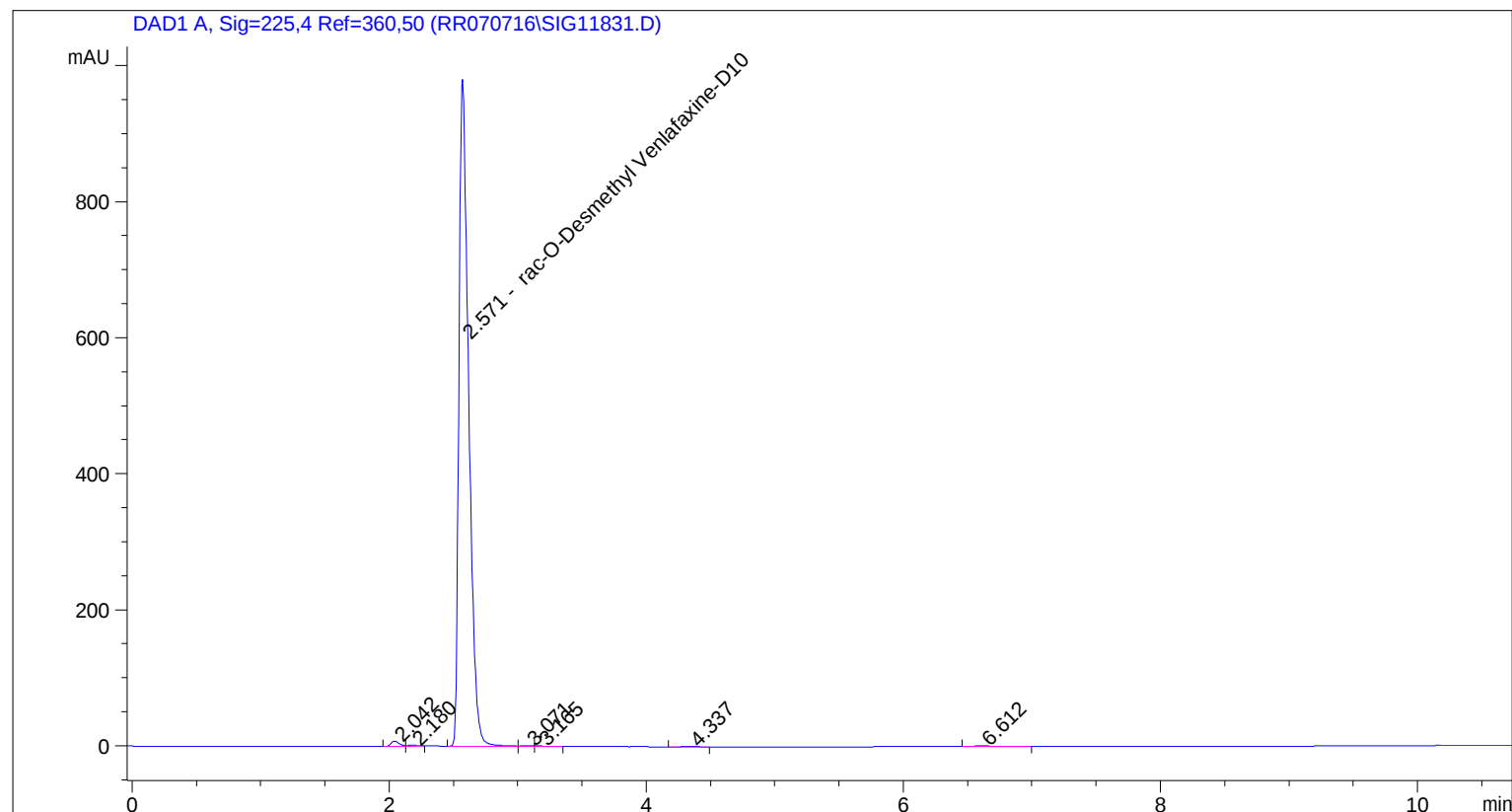
rac-O-Desmethyl Venlafaxine-D10
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-9-045



Sample Name: GR-9-045

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Acq. Operator   : rrusu
Acq. Instrument : Instrument 1                Location : Vial 60
Injection Date  : 9/26/2016 12:04:27 PM
                                           Inj Volume : 10.0 µl

Acq. Method     : C:\CHEM32\1\METHODS\VR092616_045.M
Last changed    : 9/26/2016 12:03:01 PM by rrusu
Analysis Method : C:\CHEM32\1\METHODS\RR092616_045PM.M
Last changed    : 9/26/2016 1:09:57 PM by vrusu
                  (modified after loading)
Sample Info     : Zorbax SB C18, 4.6x250mm, 5µ
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                        Area Percent Report
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```

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Sorted By           :      Signal
Calib. Data Modified :      Monday, September 26, 2016 1:09:57 PM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=225,4 Ref=360,50

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.042	BV	0.0672	34.30394	0.6527	?
2	2.180	VB	0.0703	7.69904	0.1465	?
3	2.571	BV	0.0796	5184.37549	98.6382	rac-O-Desmethyl Venlafaxine-D10
4	3.071	VV	0.0725	6.20280	0.1180	?

Sample Name: GR-9-045

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
5	3.165	VB	0.0787	3.77673	0.0719	?
6	4.337	BB	0.0886	4.89092	0.0931	?
7	6.612	BB	0.1653	14.70242	0.2797	?

Totals : 5255.95134

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*** End of Report ***