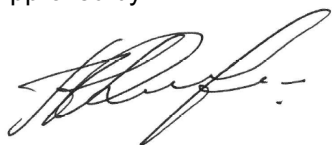


Name:	Lacosamide-D3
Lot#:	GR-6-149
Test Date:	04/16/2025 (re-test date: 04/16/2030)
CAS No.:	1217689-95-6
MF:	C ₁₃ H ₁₅ D ₃ N ₂ O ₃
MW:	253.32
Appearance:	White Solid
Purity:	100% by HPLC; 99.9% atom D
¹H-NMR:	Conforms
MS-ESI (+)	Conforms (shows peak at m/z = 254.16 [M+H] ⁺)
Storage	Store at 0-8°C in a dry place away from direct sunlight

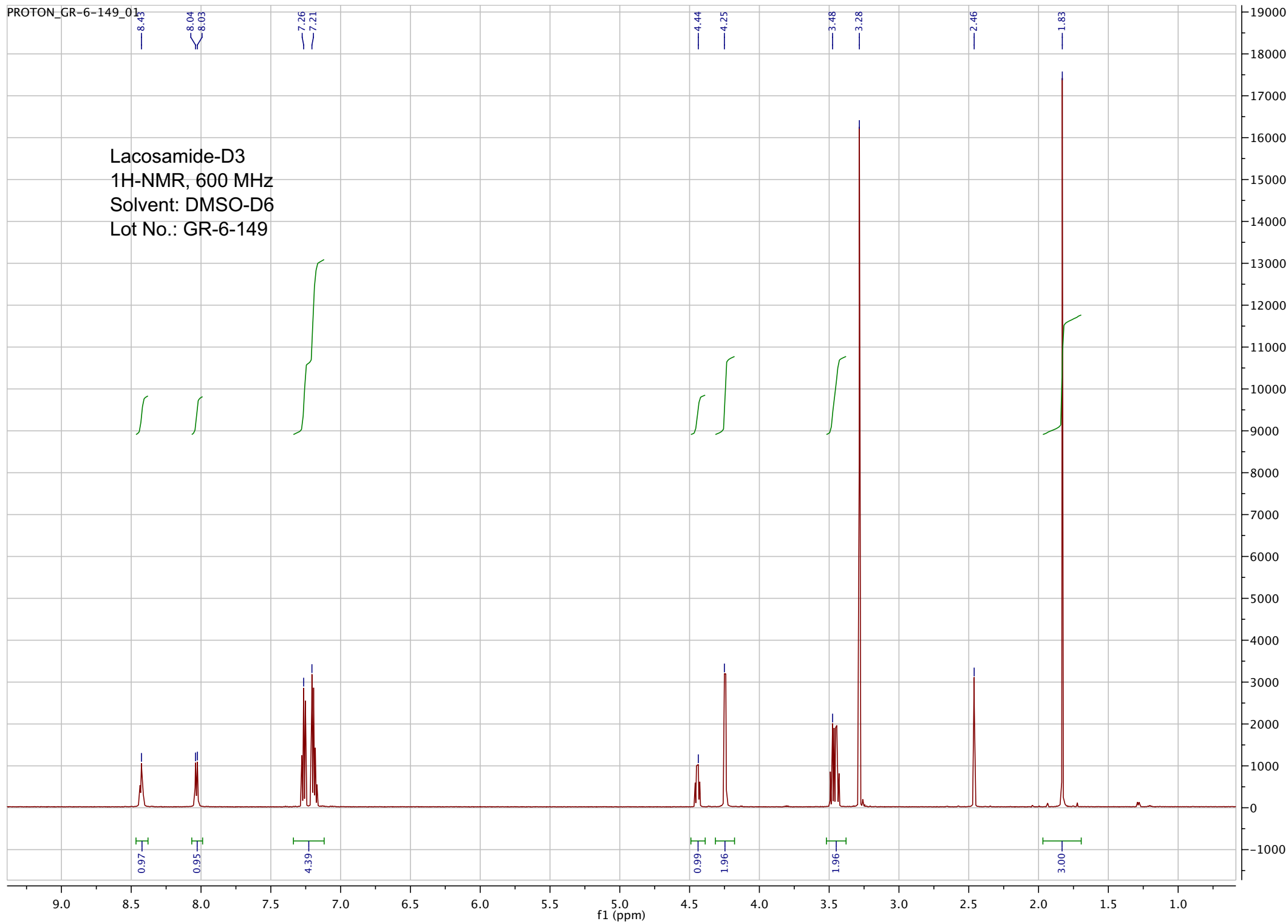
Approved by:

Date: 04/17/2025



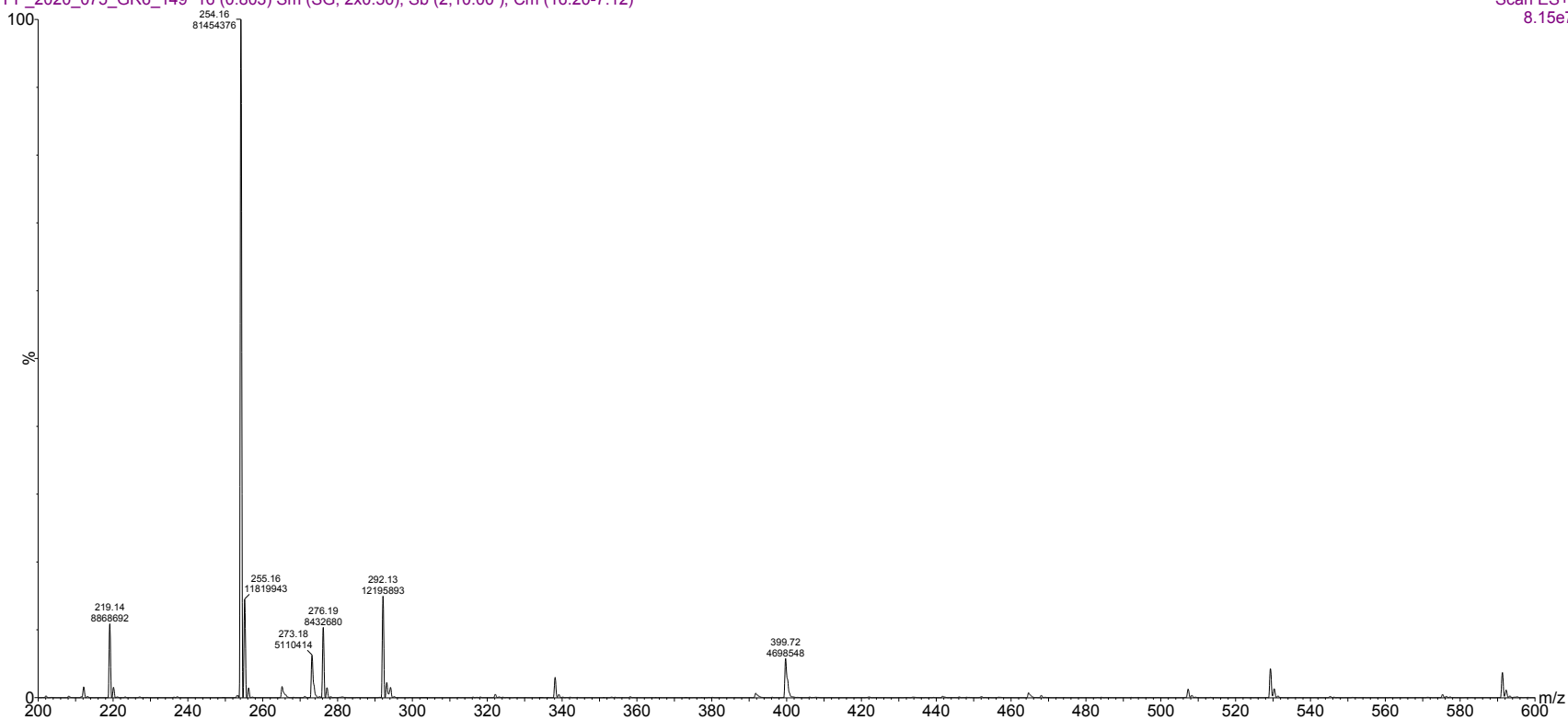
Viorica Rusu, QC/QA Manager

Lacosamide-D3
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-6-149



PP_2020_075_GR6_149 16 (0.803) Sm (SG, 2x0.50); Sb (2,10.00); Cm (16:20-7:12)

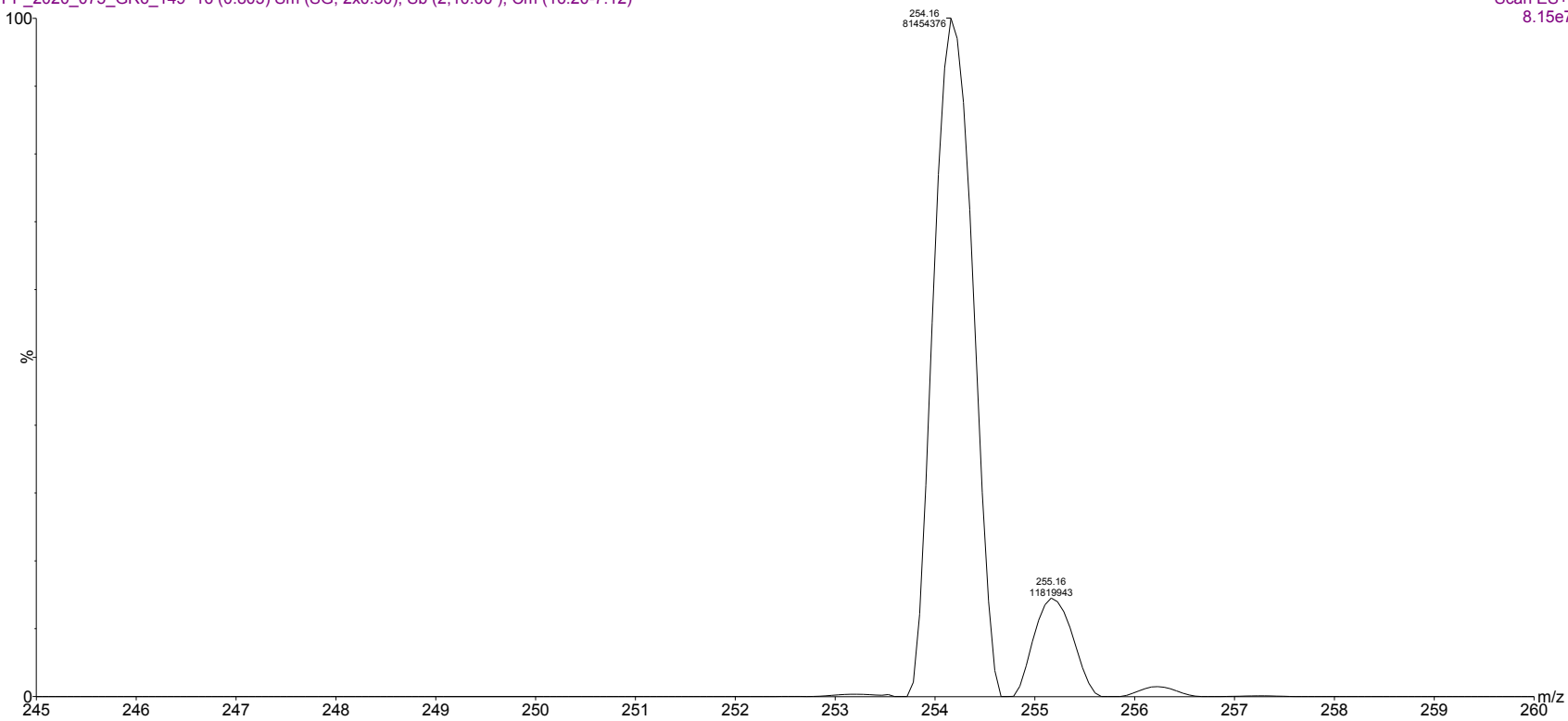
Scan ES+
8.15e7



Raw ESI-MS spectrum for sample GR-6-149. Shows monoisotopic [M+H]⁺ mass.

PP_2020_075_GR6_149 16 (0.803) Sm (SG, 2x0.50); Sb (2,10.00); Cm (16:20-7:12)

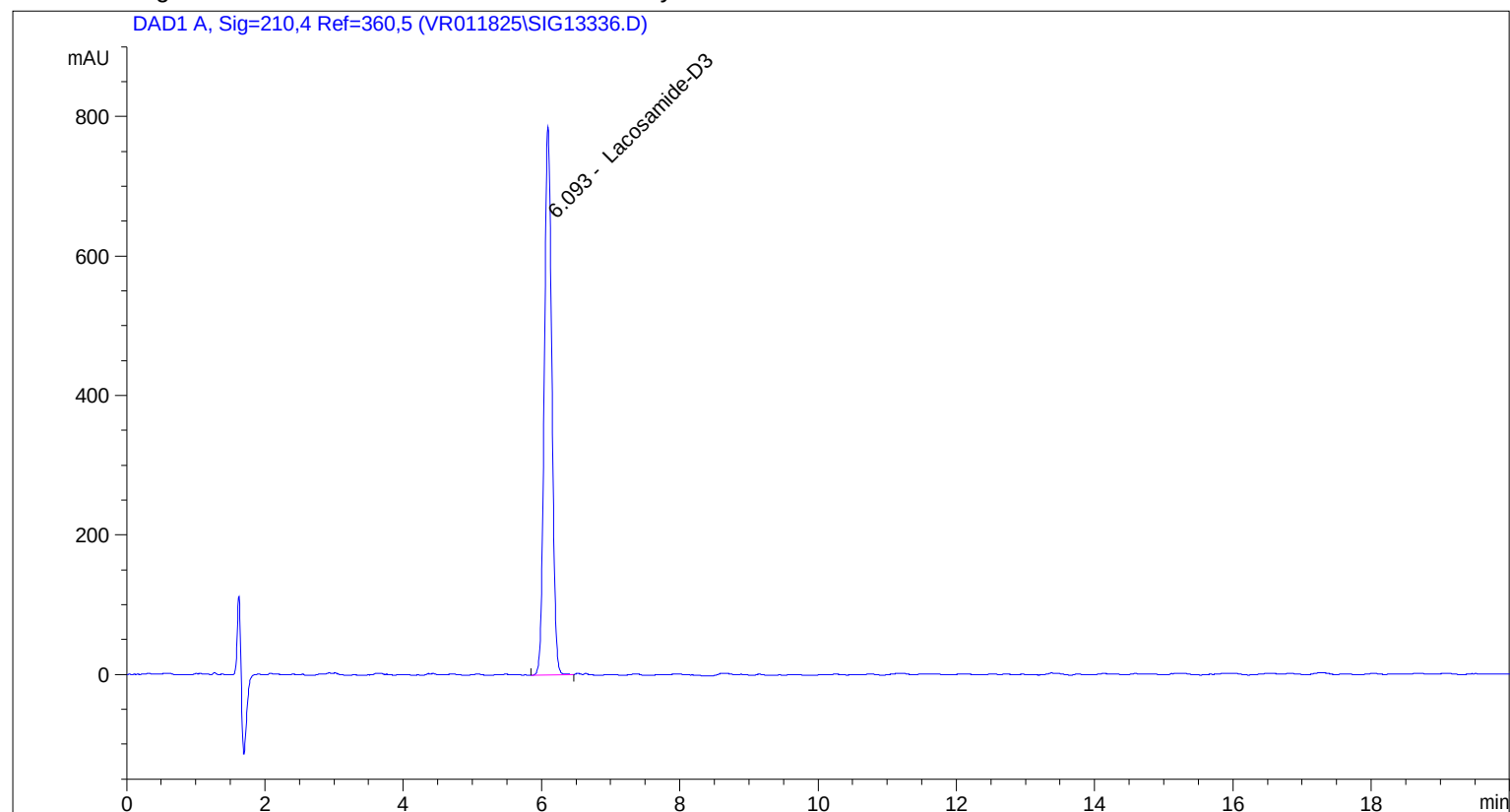
Scan ES+
8.15e7



Expansion of above, range 245 to 260 Da. Peak annotation shows m/z and intensity.

Sample Name: GR-6-149 spl-2

```
=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 13
Injection Date  : 4/15/2025 9:30:45 AM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR041525_149.M
Last changed    : 4/15/2025 9:29:43 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR041625_149PM.M
Last changed    : 4/16/2025 10:41:16 AM by vrusu
=====
```



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

```
Sorted By           :      Signal
Calib. Data Modified :      4/16/2025 10:40:07 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=210,4 Ref=360,5

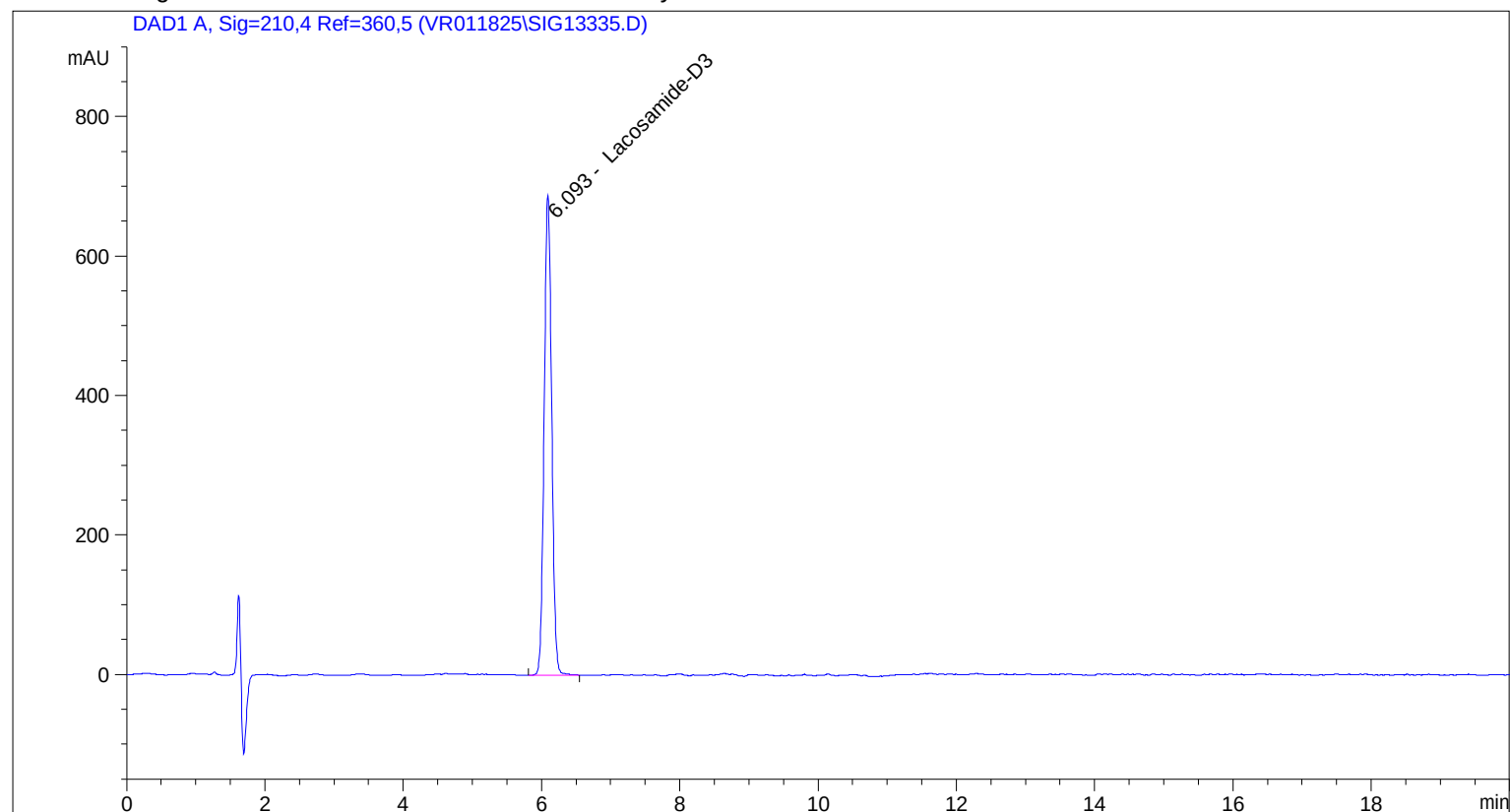
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	6.093	BB	0.1185	5960.38770	100.0000	Lacosamide-D3

Totals : 5960.38770

```
=====
*** End of Report ***
```

Sample Name: GR-6-149

```
=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 12
Injection Date  : 4/15/2025 9:07:09 AM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR041525_149.M
Last changed    : 4/15/2025 9:06:03 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR041625_149PM.M
Last changed    : 4/16/2025 10:41:16 AM by vrusu
=====
```



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

```
Sorted By           :      Signal
Calib. Data Modified :      4/16/2025 10:40:07 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=210,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	6.093	BB	0.1183	5206.41846	100.0000	Lacosamide-D3

Totals : 5206.41846

```
=====
*** End of Report ***
```