

Name:	(R)-Cinacalcet-D3 HCl
Lot#:	GR-10-049
Test Date:	01/18/2023 (re-test date: 01/18/2028)
CAS No.:	364782-34-3 (unlabeled)
MF:	C ₂₂ H ₂₀ D ₃ ClF ₃ N
MW:	396.89
Appearance:	White solid
Purity:	97.7% CP by HPLC; 100% OP by chiral HPLC; 99% atom D
¹H-NMR:	Conforms
MS-ESI (+)	Conforms (shows peak at m/z = 361.20 [M _{free base} +H] ⁺)
Storage	Store at -18°C in a dry place away from direct sunlight

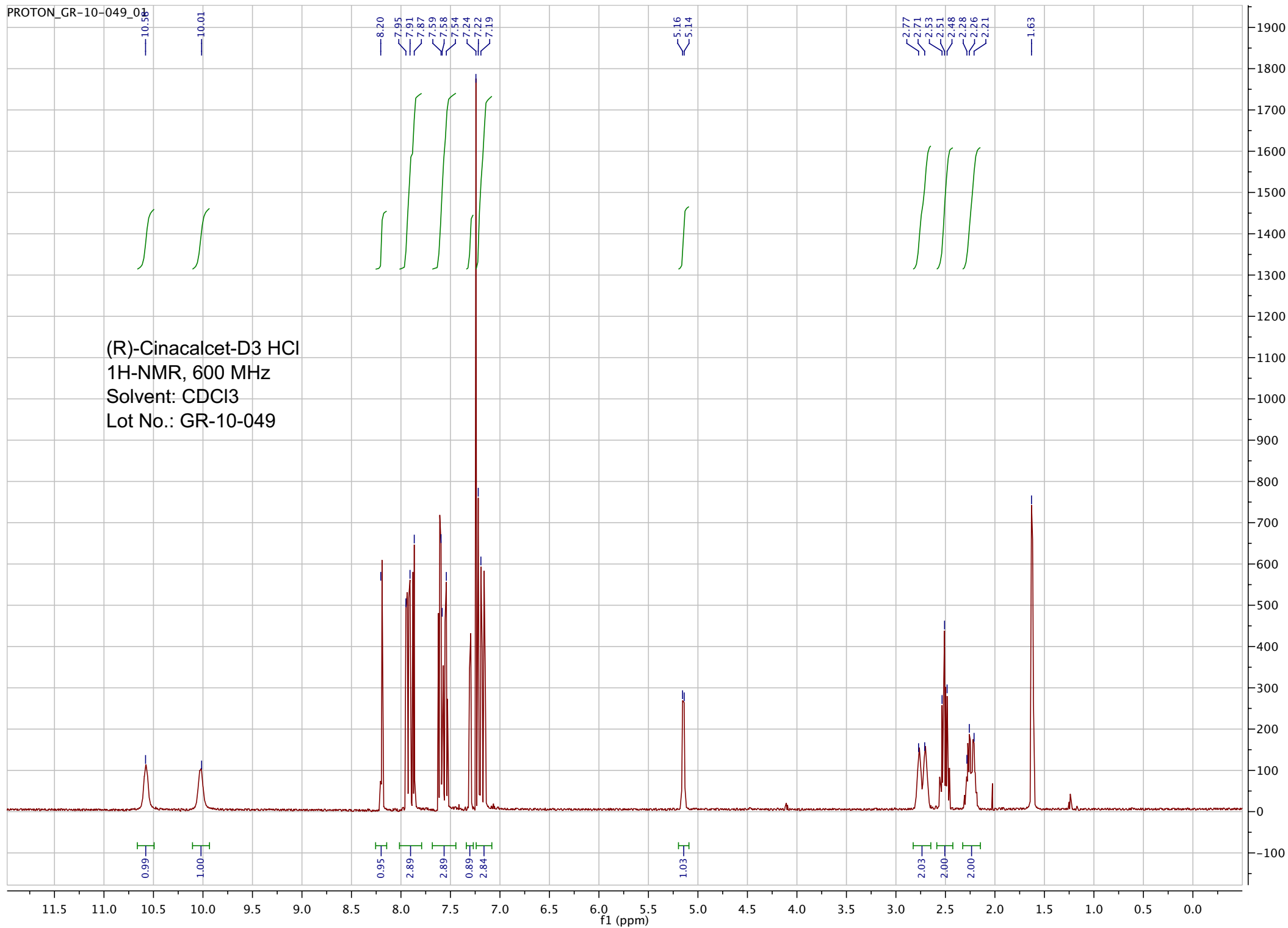
Approved by:

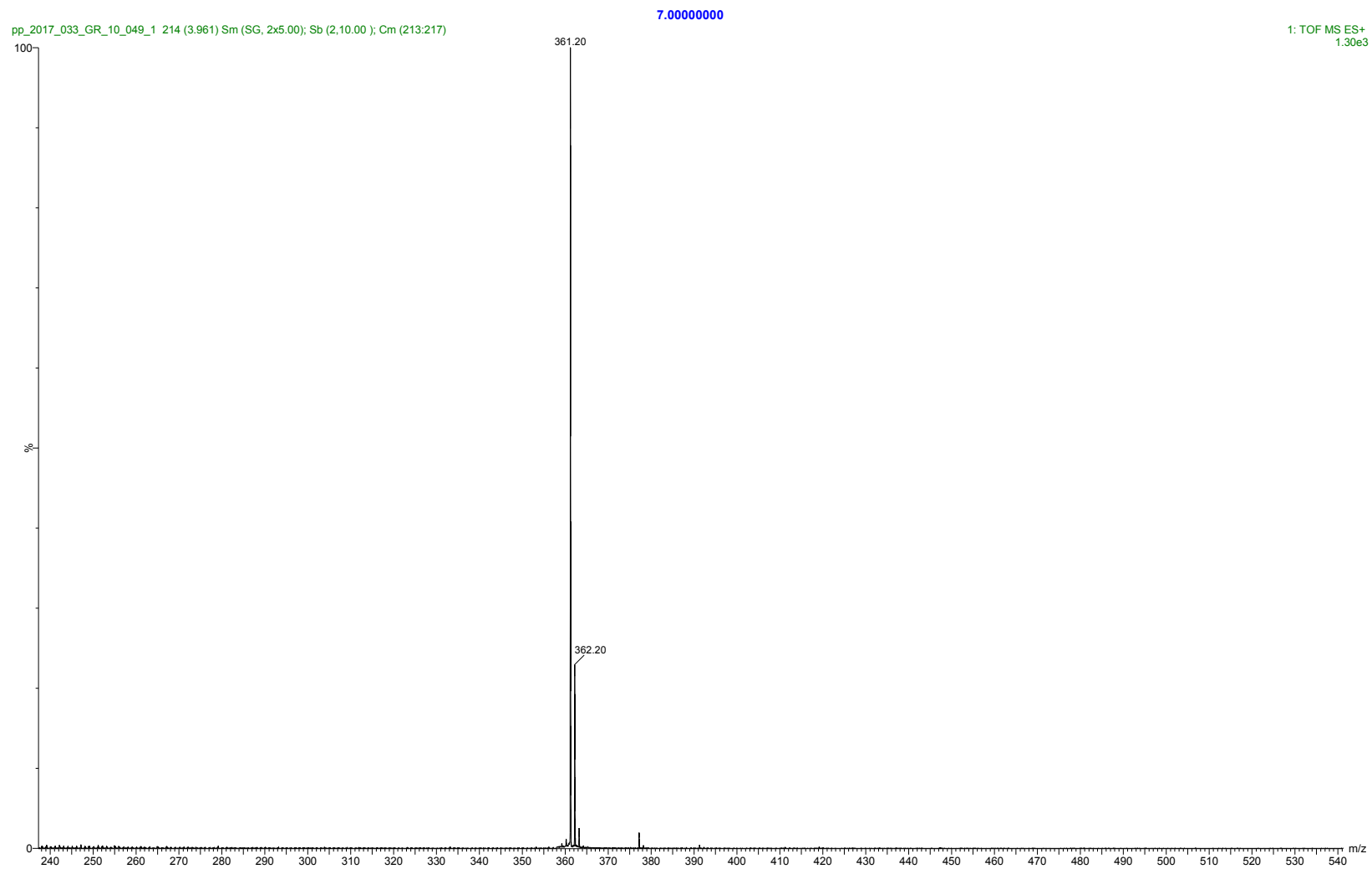
Date: 01/18/2023



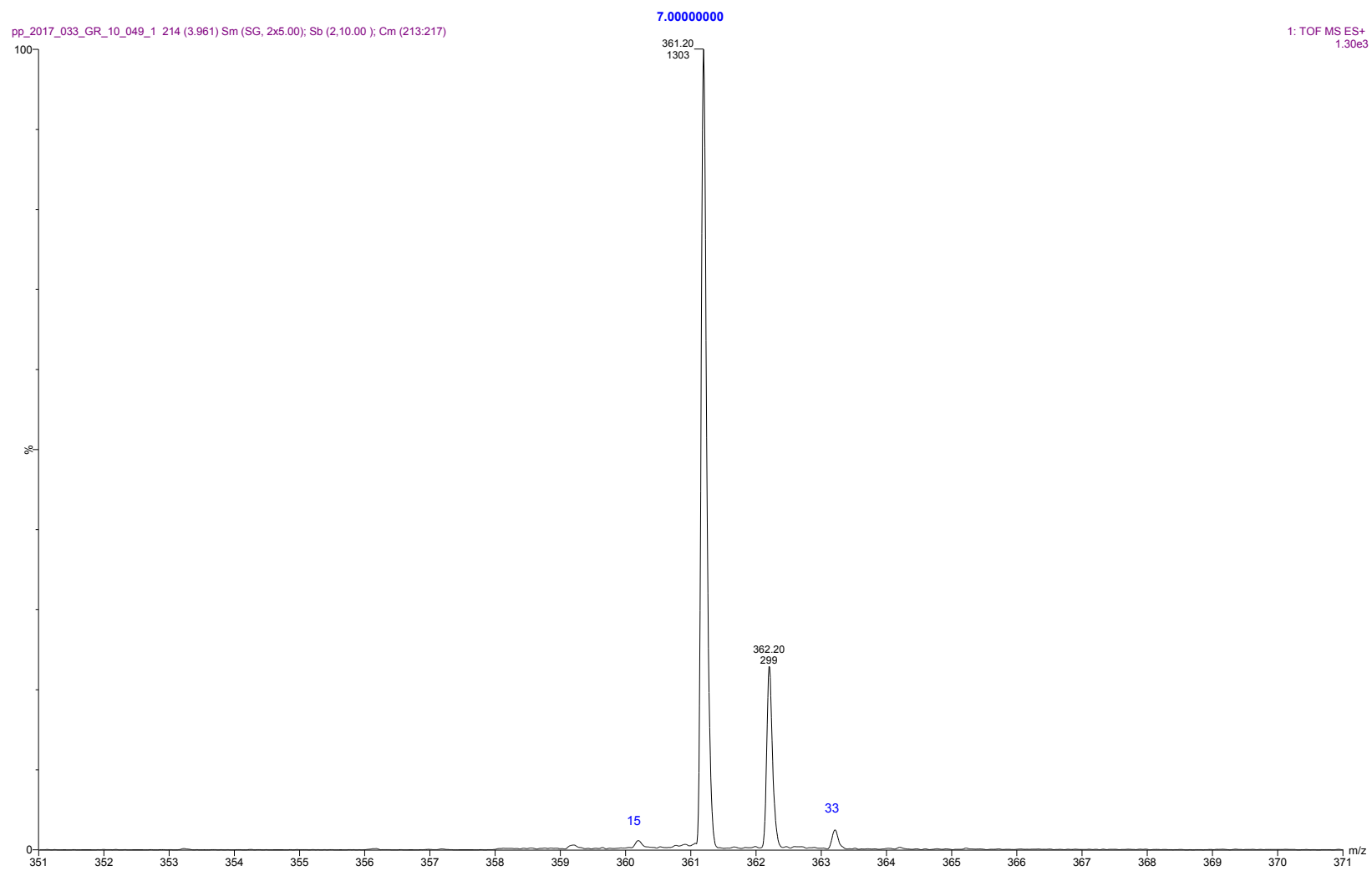
Viorica Rusu, QC/QA Manager

(R)-Cinacalcet-D3 HCl
1H-NMR, 600 MHz
Solvent: CDCl₃
Lot No.: GR-10-049





ESI-MS spectrum for sample GR-10-049. Shows monoisotopic $[M+H]^+$ mass.



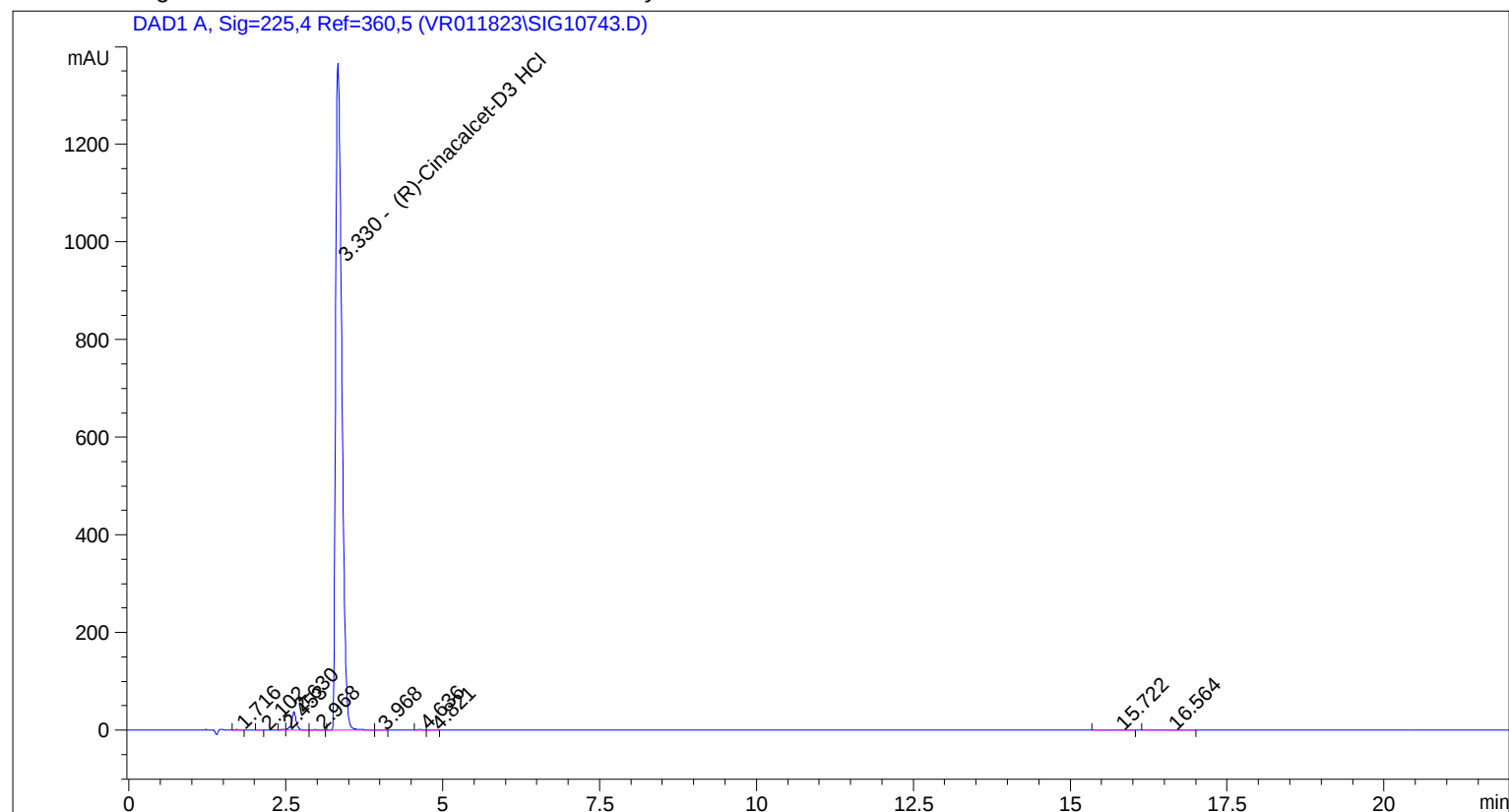
Expansion of above with intensity labels.

Sample Name: GR-10-049

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 31
Injection Date  : 1/18/2023 12:59:13 PM
                                           Inj Volume : 3.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR011823_298.M
Last changed    : 1/18/2023 12:58:20 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR011823_049PM.M
Last changed    : 1/18/2023 2:01:51 PM by vrusu
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                          Area Percent Report
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Sorted By           :      Signal
Calib. Data Modified :      1/18/2023 2:00:17 PM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs

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Signal 1: DAD1 A, Sig=225,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	1.716	BV	0.0585	2.73456	0.0287	?
2	2.102	VV	0.0668	1.49056	0.0156	?
3	2.453	BV	0.0576	5.18780	0.0545	?
4	2.630	VB	0.0751	186.72046	1.9603	?
5	2.968	BB	0.0875	3.87418	0.0407	?
6	3.330	BV	0.1074	9300.23242	97.6380	(R)-Cinacalcet-D3 HCl
7	3.968	VV	0.1010	2.35839	0.0248	?
8	4.636	VV	0.1038	4.87623	0.0512	?

Sample Name: GR-10-049

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	4.821	VB	0.0983	1.53315	0.0161	?
10	15.722	BB	0.2488	6.11210	0.0642	?
11	16.564	BB	0.2861	10.09426	0.1060	?

Totals : 9525.21411

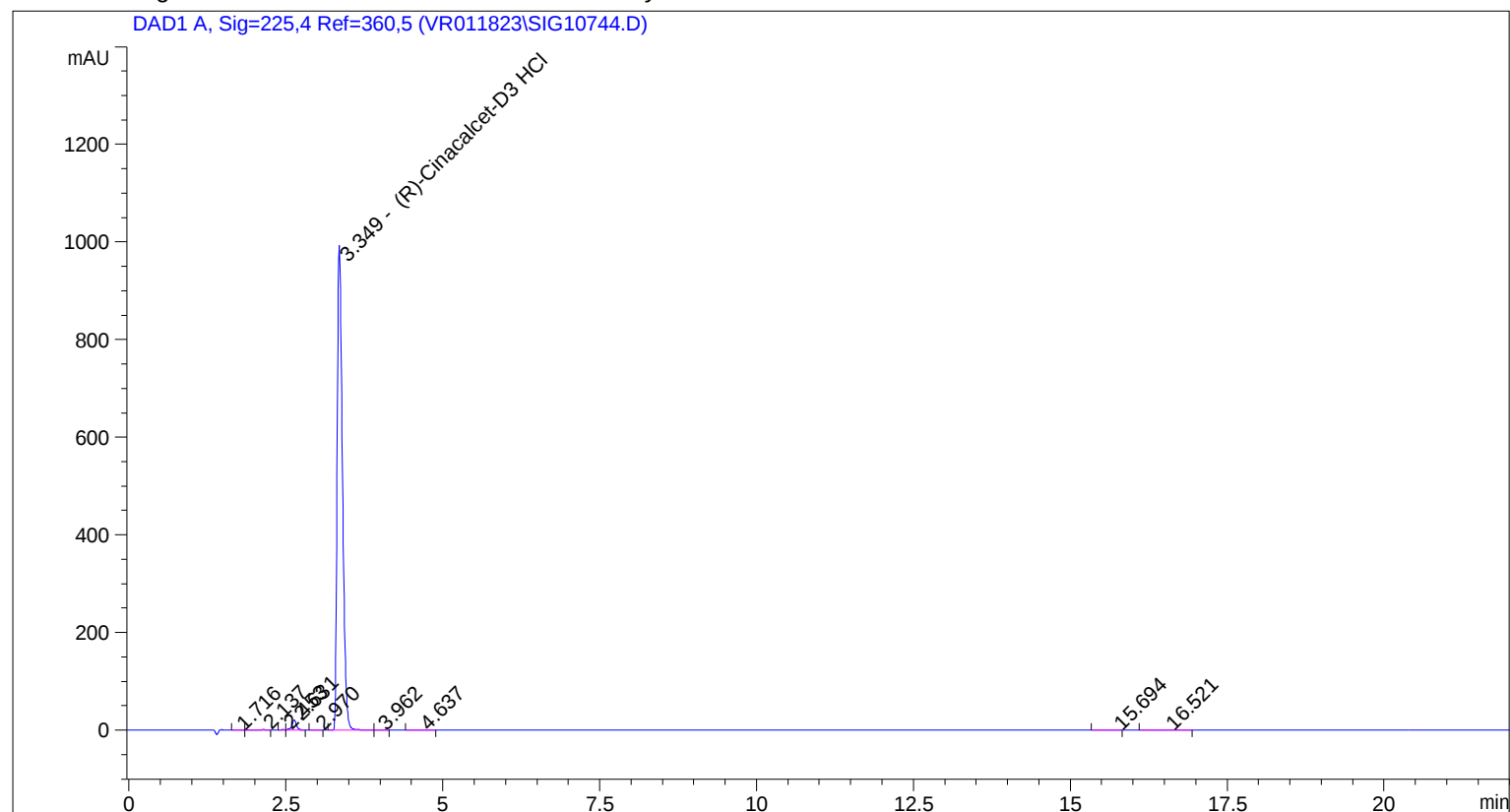
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*** End of Report ***

Sample Name: GR-10-049 spl-2

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 32
Injection Date  : 1/18/2023 1:22:54 PM
                                           Inj Volume : 3.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR011823_298.M
Last changed    : 1/18/2023 1:21:59 PM by vrusu
Analysis Method  : C:\CHEM32\1\METHODS\VR011823_049PM.M
Last changed    : 1/18/2023 2:01:51 PM by vrusu
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                          Area Percent Report
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Sorted By           :      Signal
Calib. Data Modified :      1/18/2023 2:00:17 PM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs

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Signal 1: DAD1 A, Sig=225,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	1.716	BV	0.0656	1.85738	0.0313	?
2	2.137	VB	0.0775	5.13763	0.0866	?
3	2.453	BV	0.0594	2.93409	0.0495	?
4	2.631	VB	0.0747	106.64259	1.7985	?
5	2.970	BB	0.0888	2.28977	0.0386	?
6	3.349	BV	0.0900	5795.48975	97.7397	(R)-Cinacalcet-D3 HCl
7	3.962	VB	0.1085	1.71700	0.0290	?
8	4.637	BB	0.1403	4.14286	0.0699	?

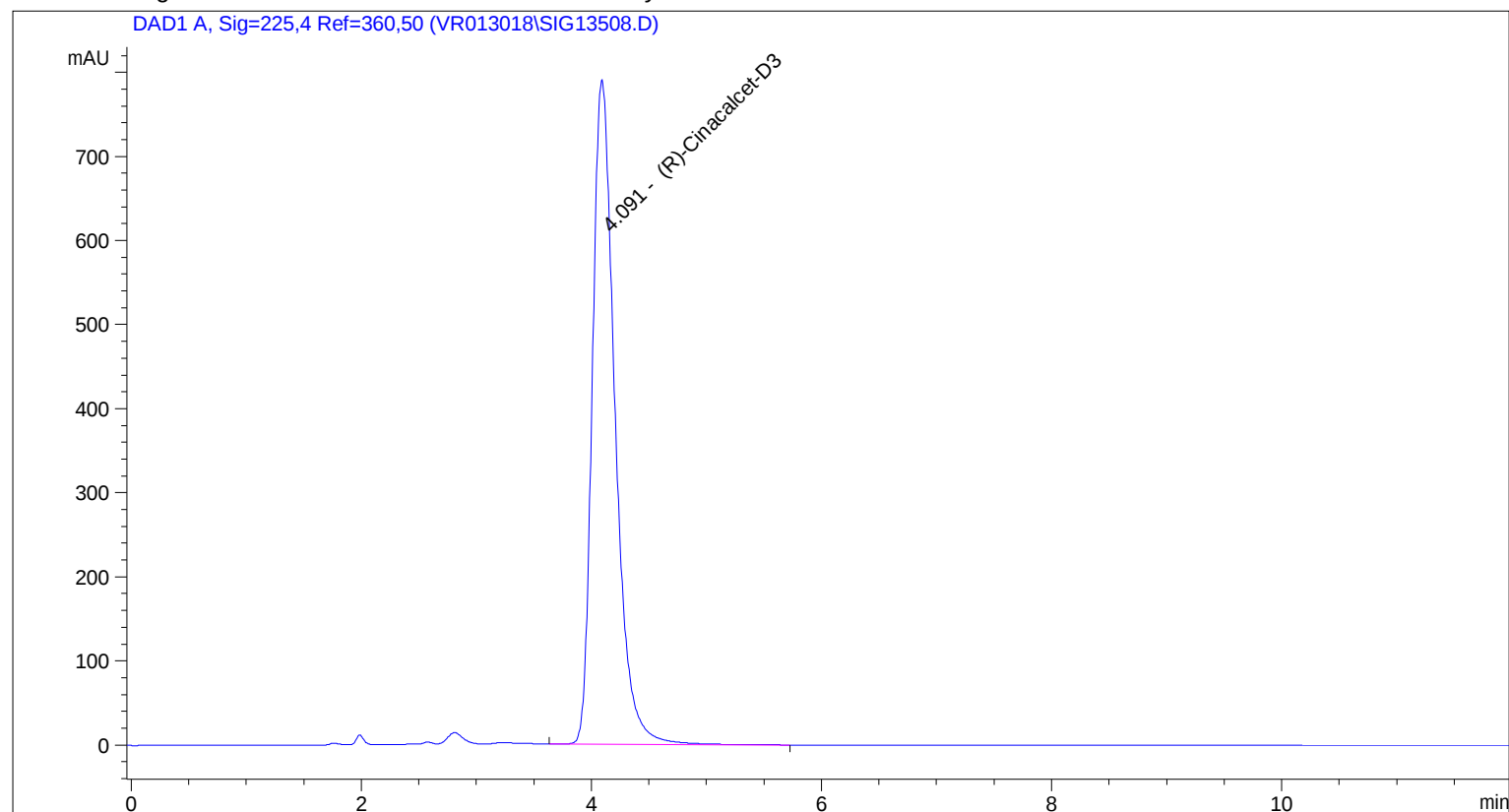
Sample Name: GR-10-049 spl-2

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	15.694	BB	0.2363	2.09773	0.0354	?
10	16.521	BV	0.3070	7.20431	0.1215	?

Totals : 5929.51311

*** End of Report ***

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Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 66
Injection Date : 2/12/2018 12:36:33 PM Inj Volume : 22.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR021218_049.M
Last changed : 2/12/2018 12:34:51 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR021218_049PM.M
Last changed : 2/12/2018 1:43:39 PM by vrusu



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Area Percent Report
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Sorted By : Signal
Calib. Data Modified : 2/12/2018 1:31:35 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	4.091	BB	0.2093	1.07946e4	100.0000	(R)-Cinacalcet-D3

Totals : 1.07946e4

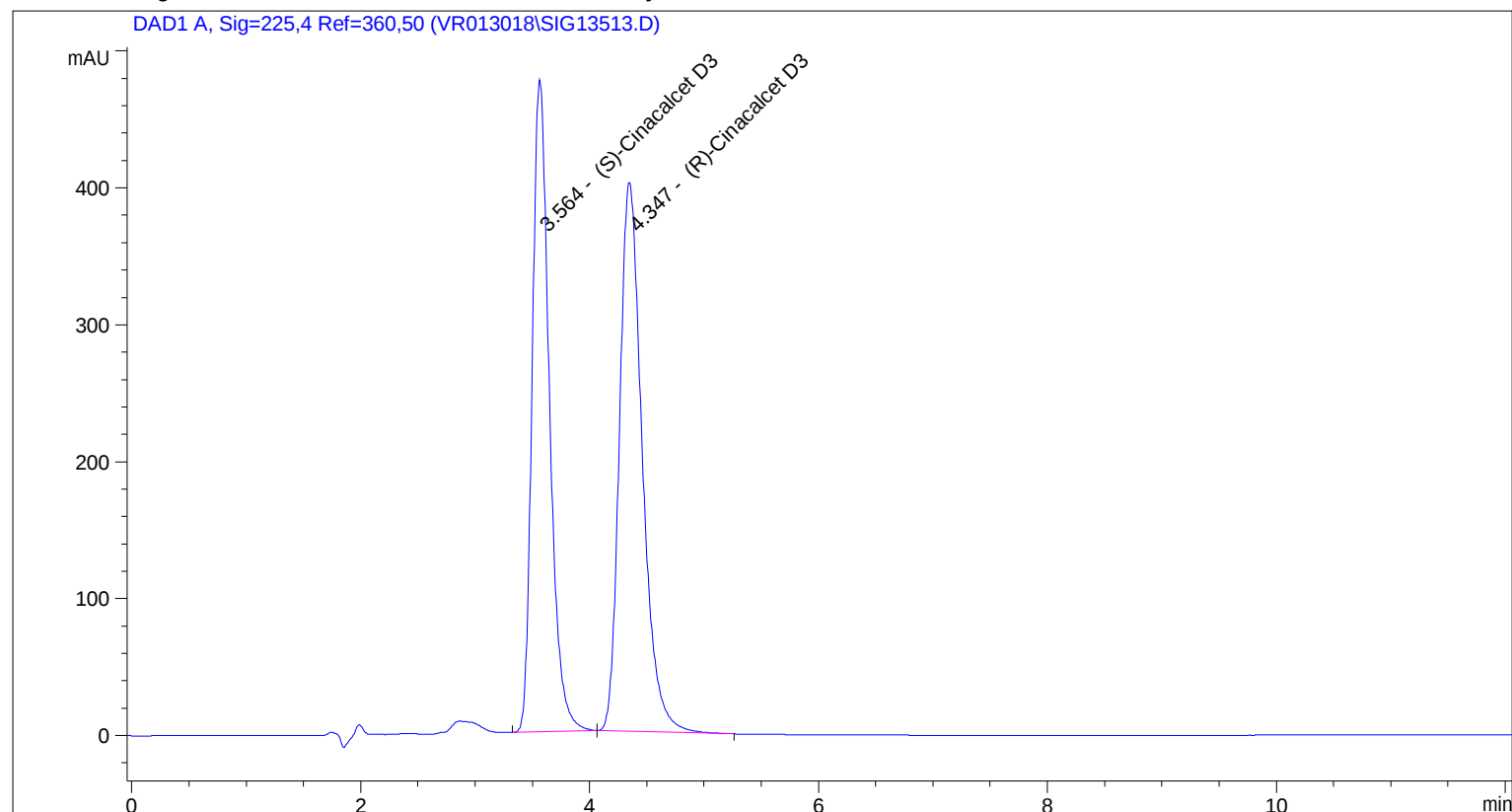
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*** End of Report ***

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Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 69
Injection Date : 2/12/2018 1:37:49 PM Inj Volume : 15.0 µl

Acq. Method : C:\CHEM32\1\METHODS\VR021218_055A.M
Last changed : 2/12/2018 1:36:46 PM by vrusu
(modified after loading)

Analysis Method : C:\CHEM32\1\METHODS\VR021218_RSPM.M
Last changed : 2/12/2018 2:02:01 PM by vrusu



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 2/12/2018 2:01:36 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	3.564	BB	0.1601	4981.86182	47.3267	(S)-Cinacalcet D3
2	4.347	BB	0.2113	5544.67139	52.6733	(R)-Cinacalcet D3

Totals : 1.05265e4