

H-Bond Donor-Directed Switch of Diastereoselectivity in the Michael Addition of α -Azido Ketones to Nitroolefins

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^d State Key Laboratory of Organometallic Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, Shanghai 200032, China.

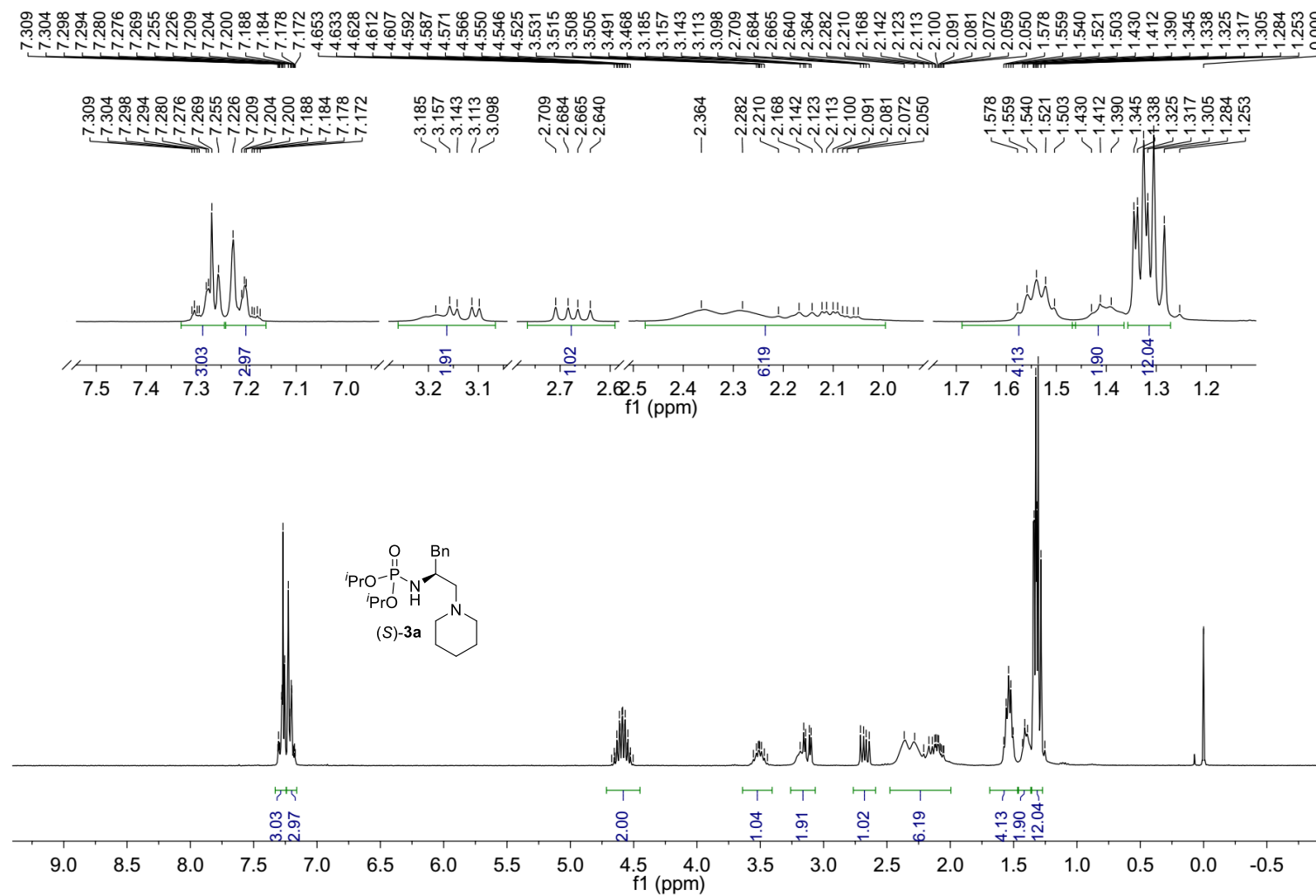
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Supporting information (Part II)

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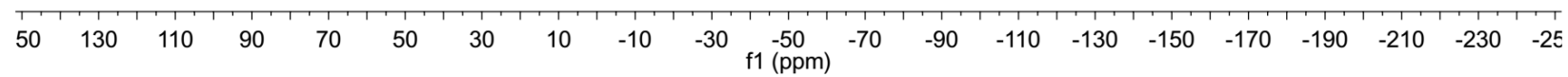
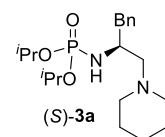
¹H, ¹³C, ¹⁹F NMR and ³¹P NMR spectra were obtained using a Bruker DPX-400 and DPX-300 spectrometer. Chemical shifts are reported in ppm from CDCl₃ or (CD₃)₂SO with the solvent resonance as the internal standard. The following abbreviations were used to designate chemical shift multiplicities: s = singlet, d = doublet, t = triplet, q = quartet, h = heptet, m = multiplet, br = broad.

DPG-DA-145-2 H 300 MHz

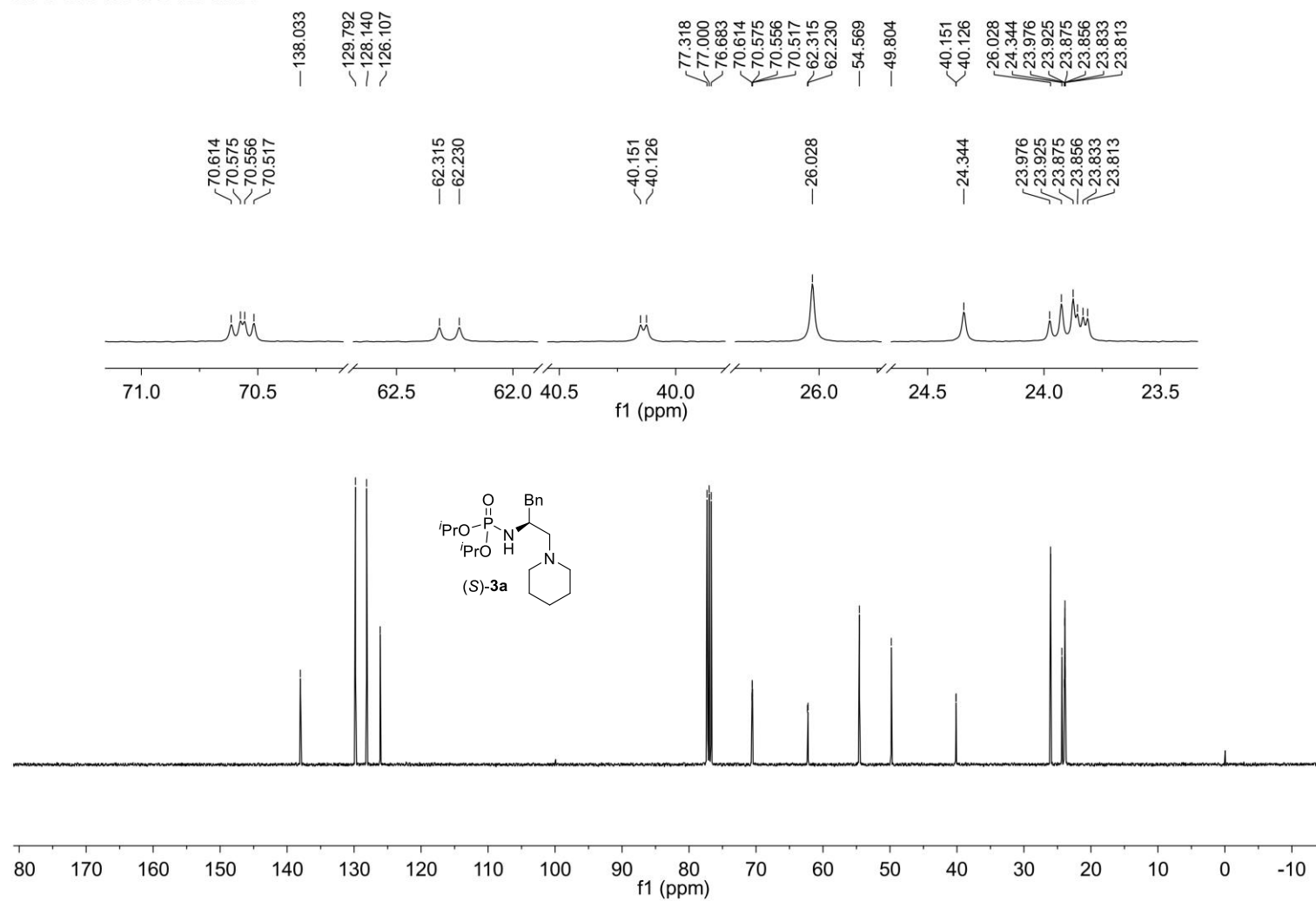


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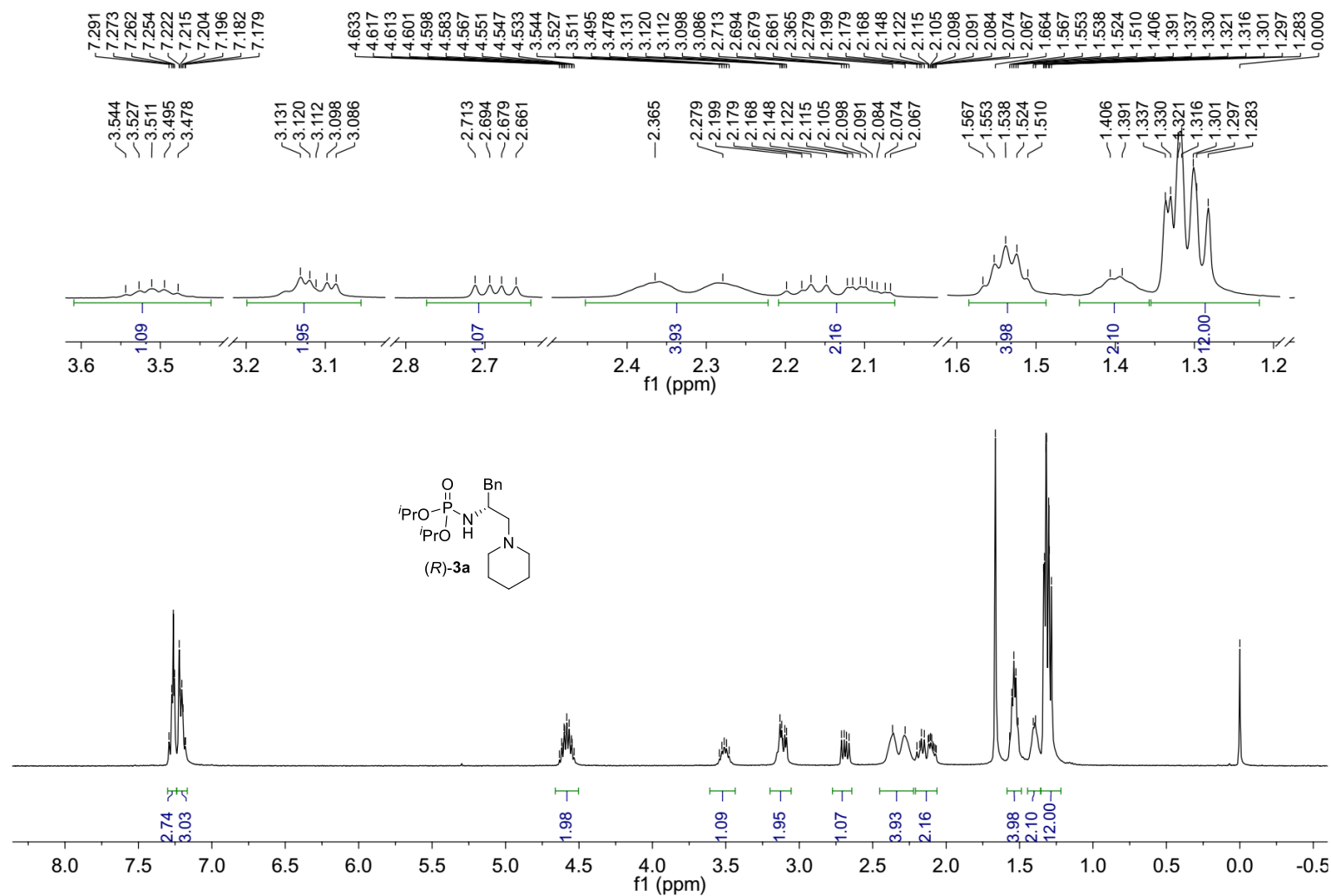
—7.544



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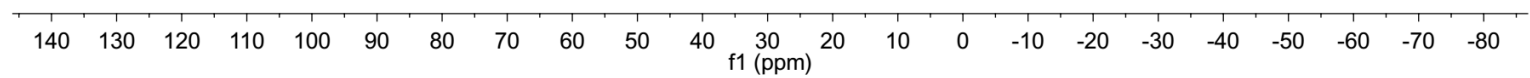
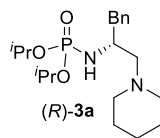


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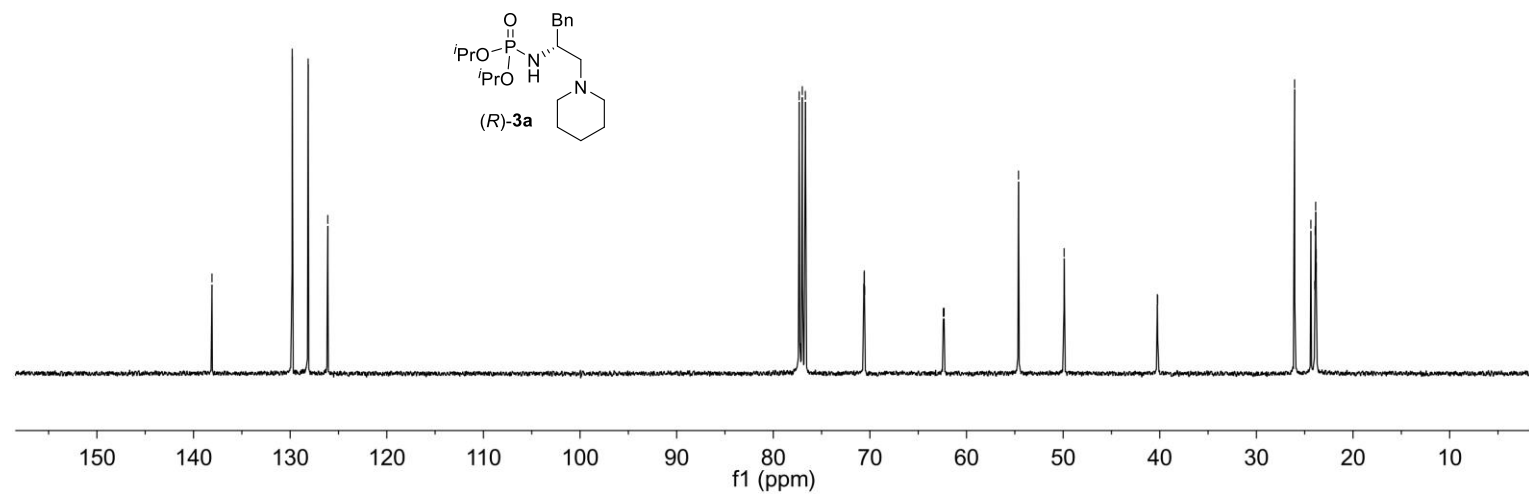
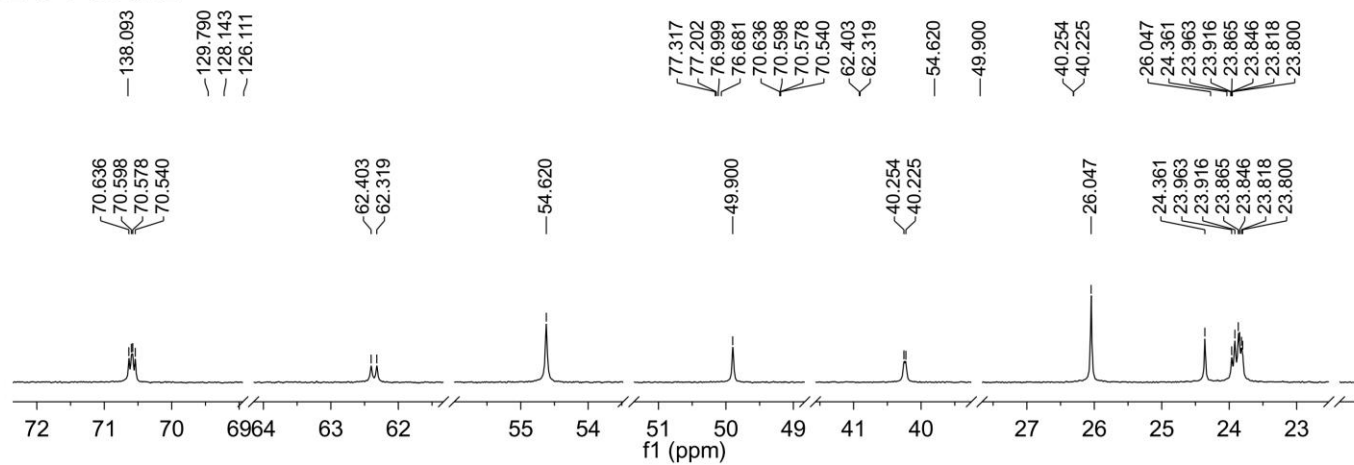


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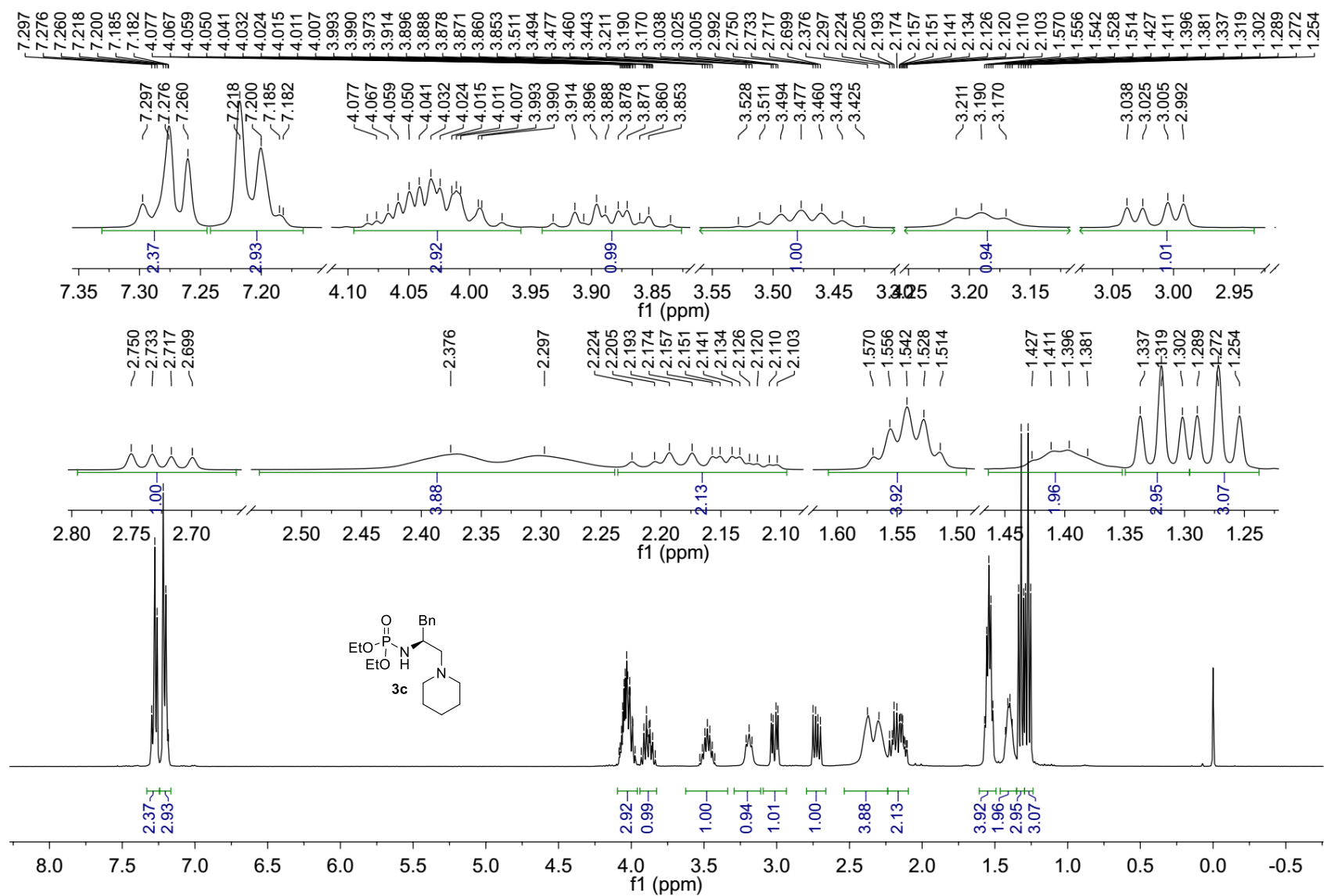
—7.488



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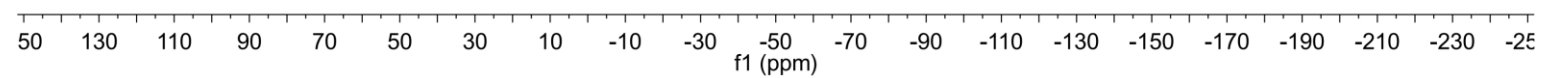
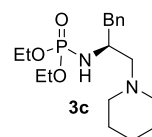


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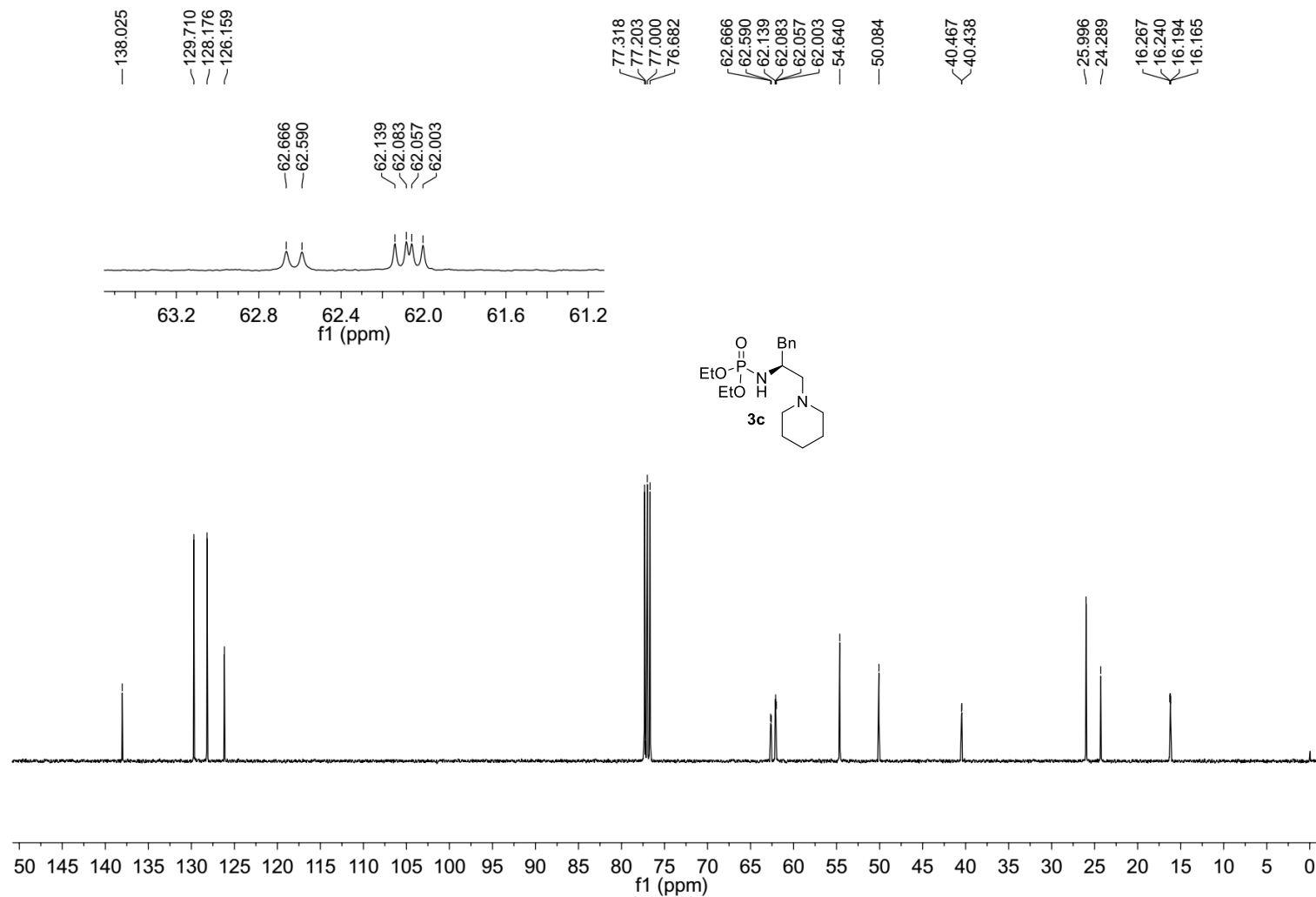


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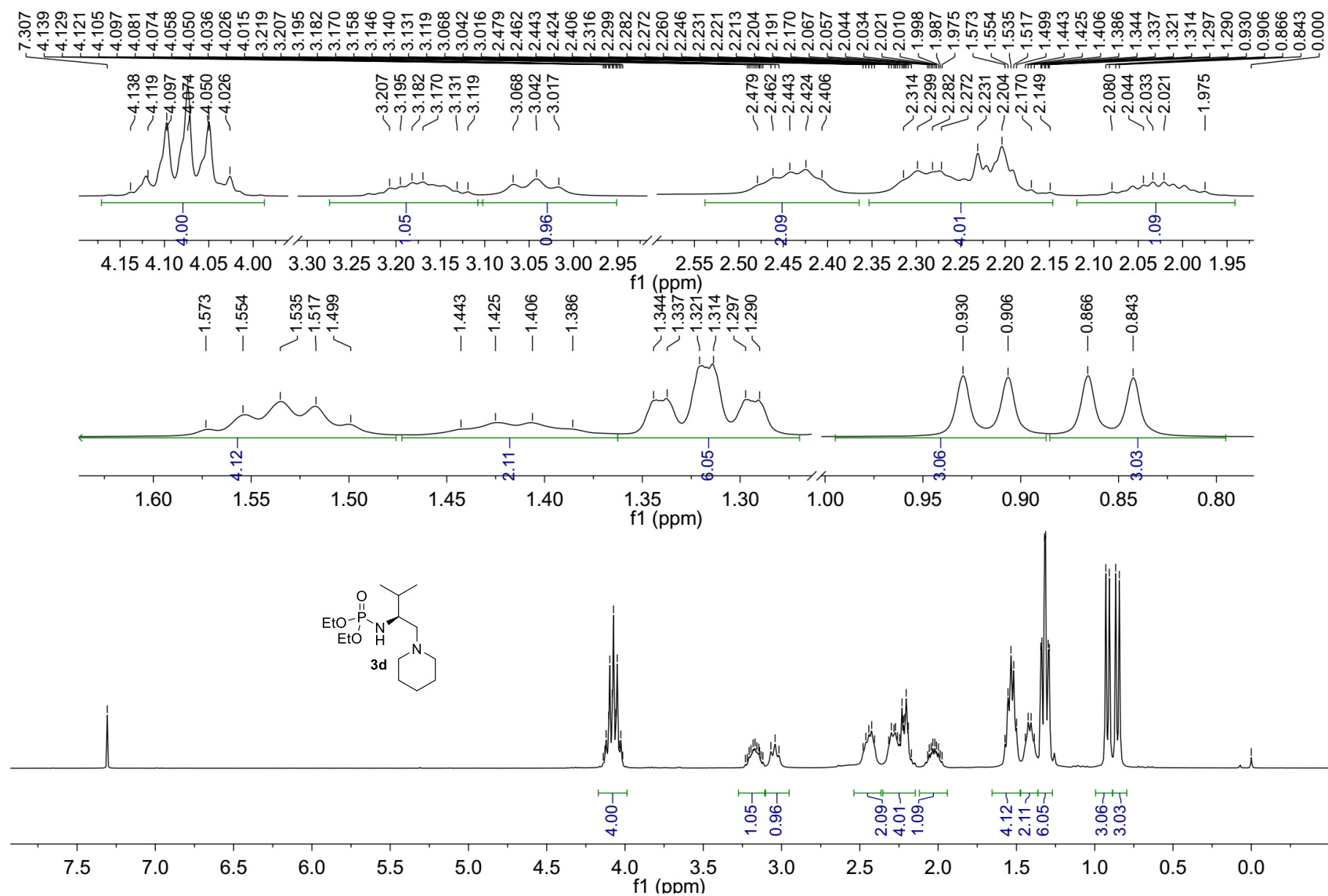
—9.078



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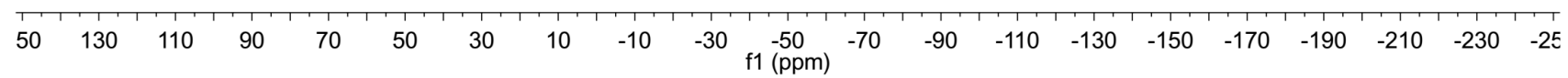
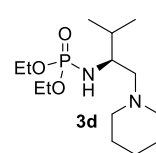


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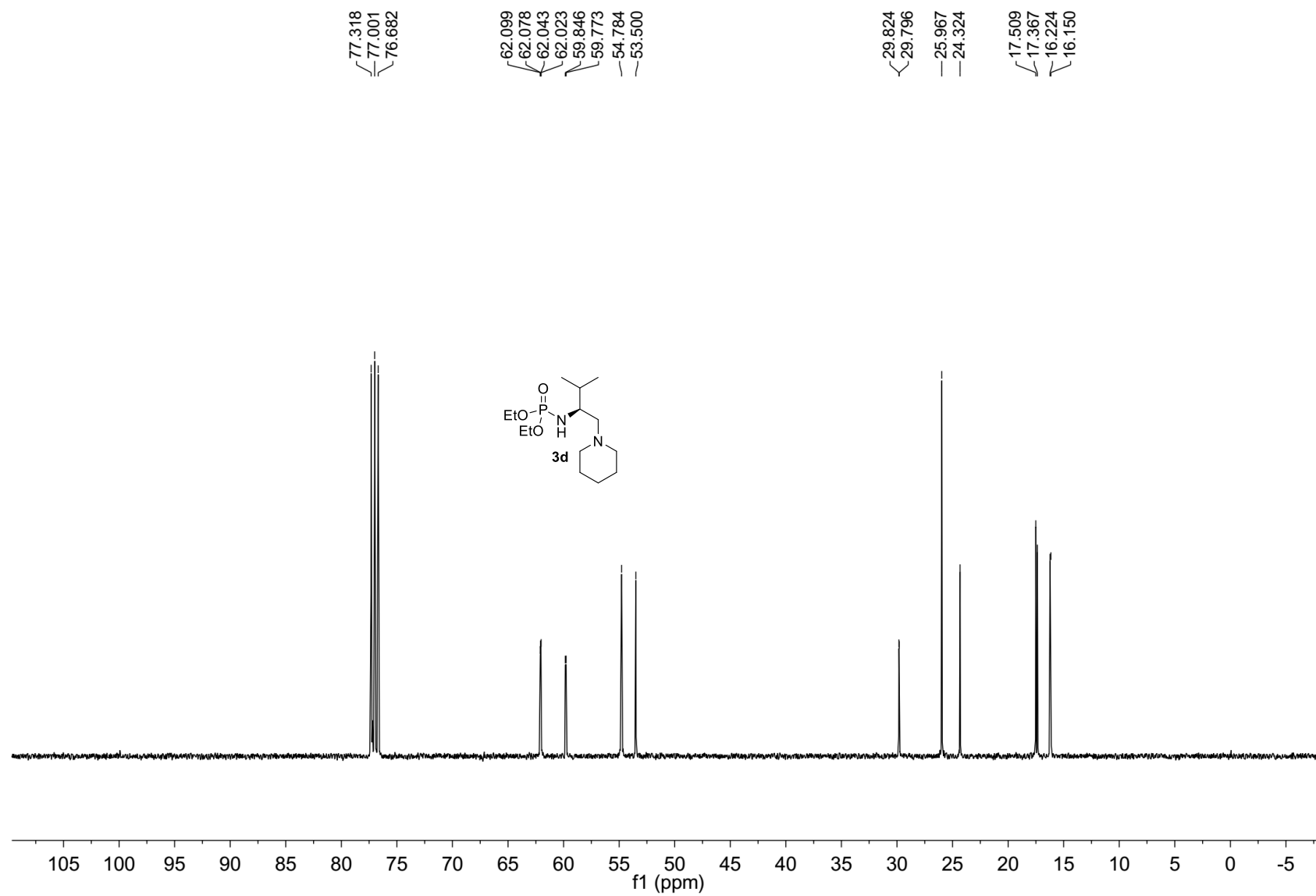


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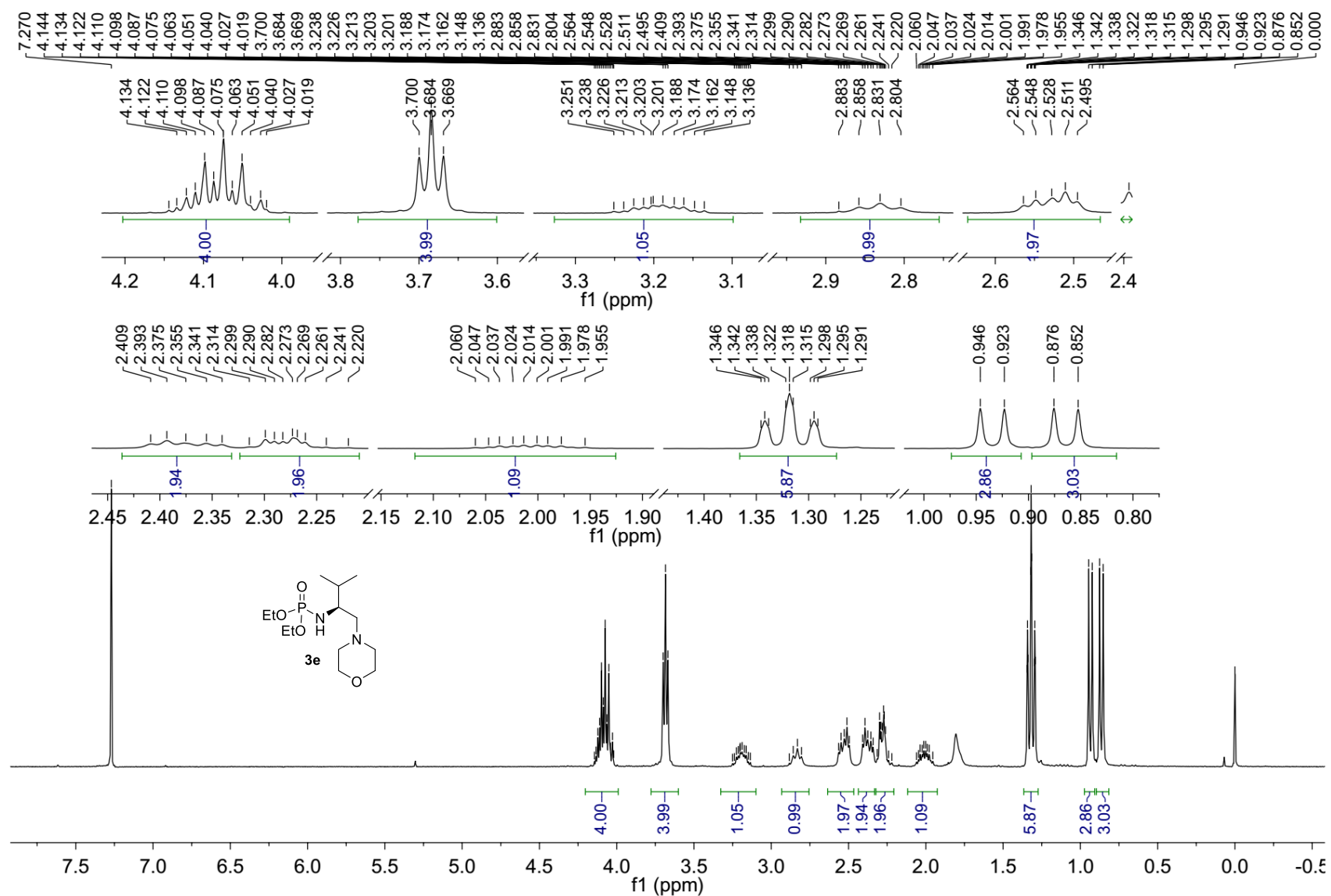
—9.723



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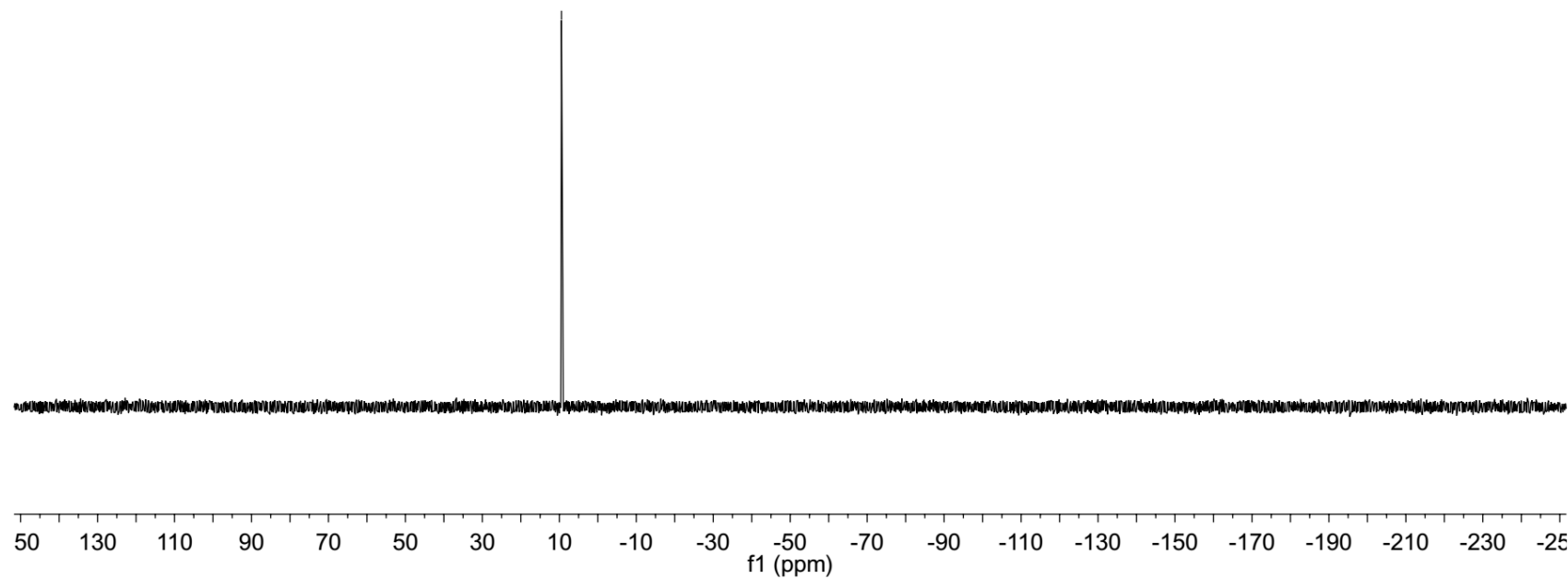
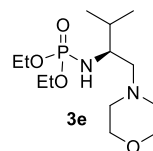


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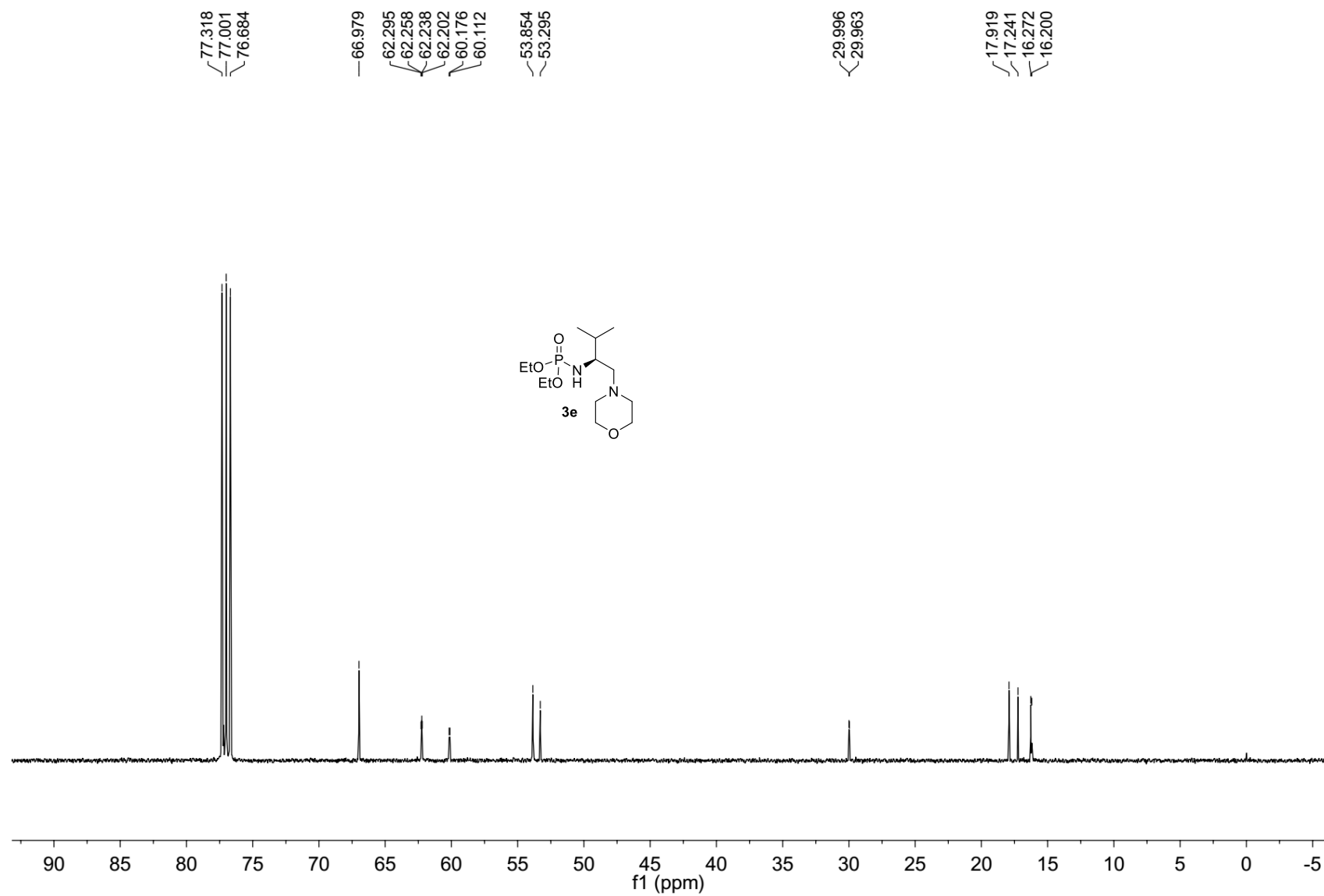


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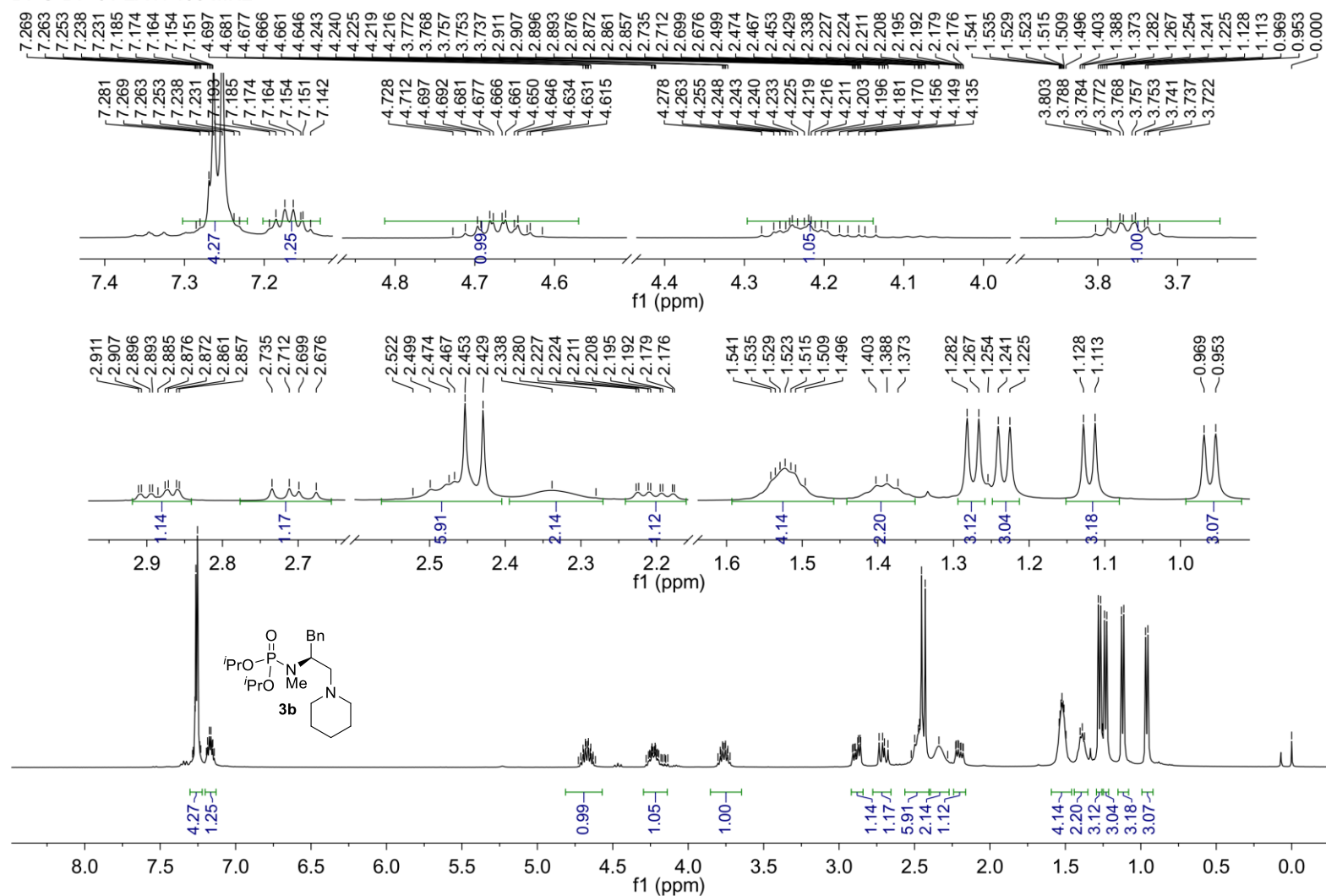
— 9.442



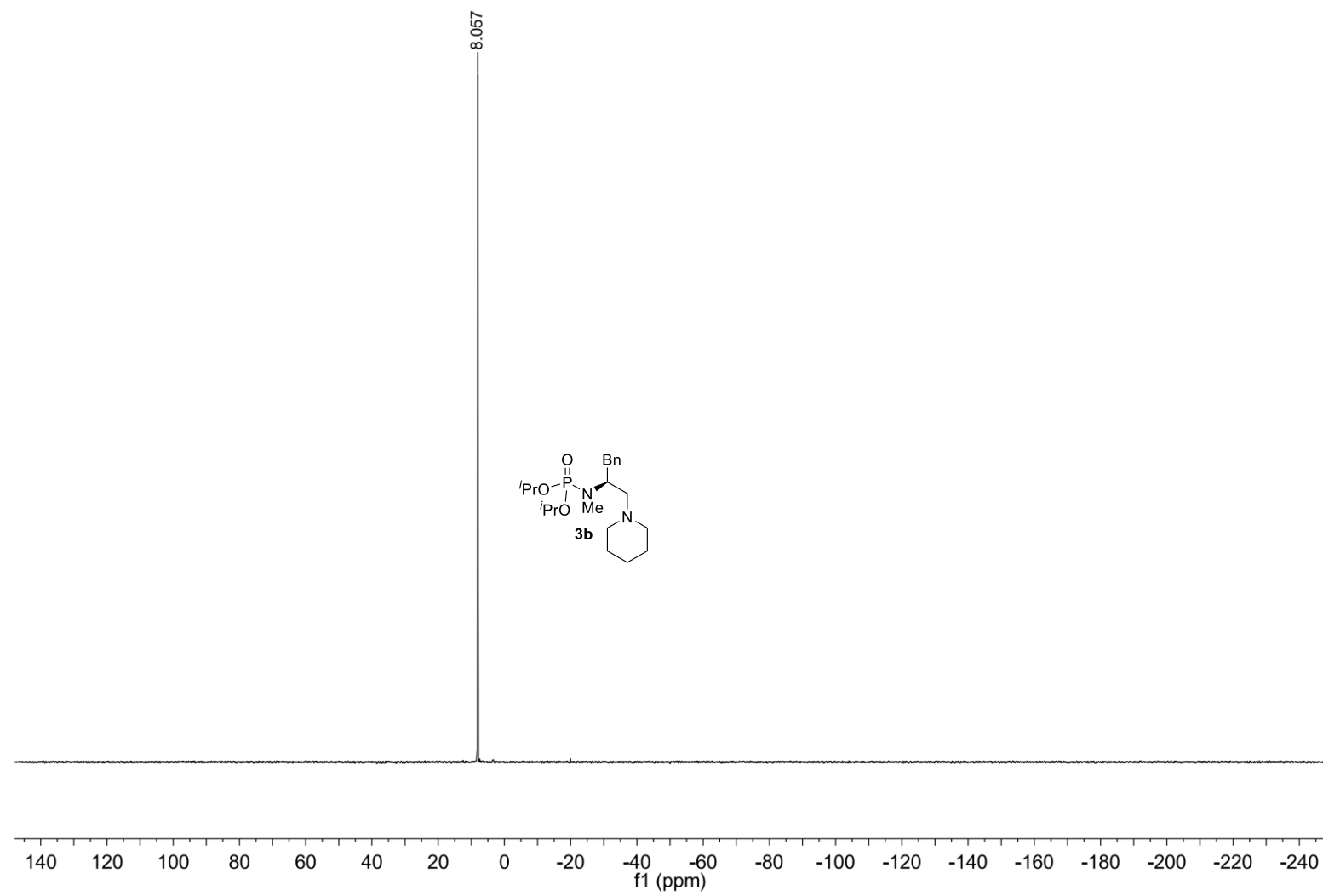
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DPG-DF-61-2A H 400 MHz



DPG-DF-61-2-A P



Chemical structure of **3b** is shown as an inset:

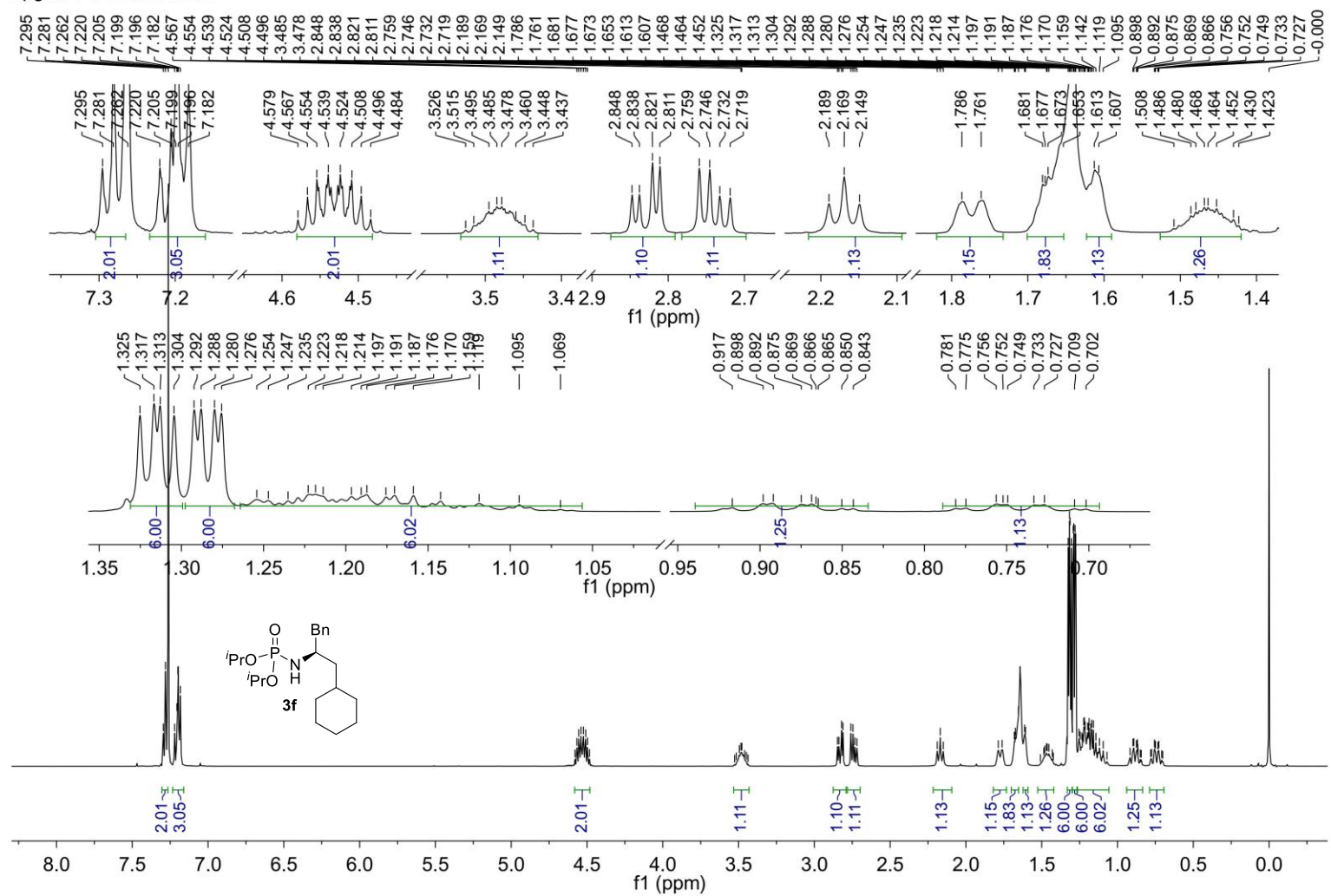
CC1(C)C(CCN(C1COP(=O)(OC(C)C)OC(C)C)C2=CC=CC=C2)C3=CC=CC=C3

3b

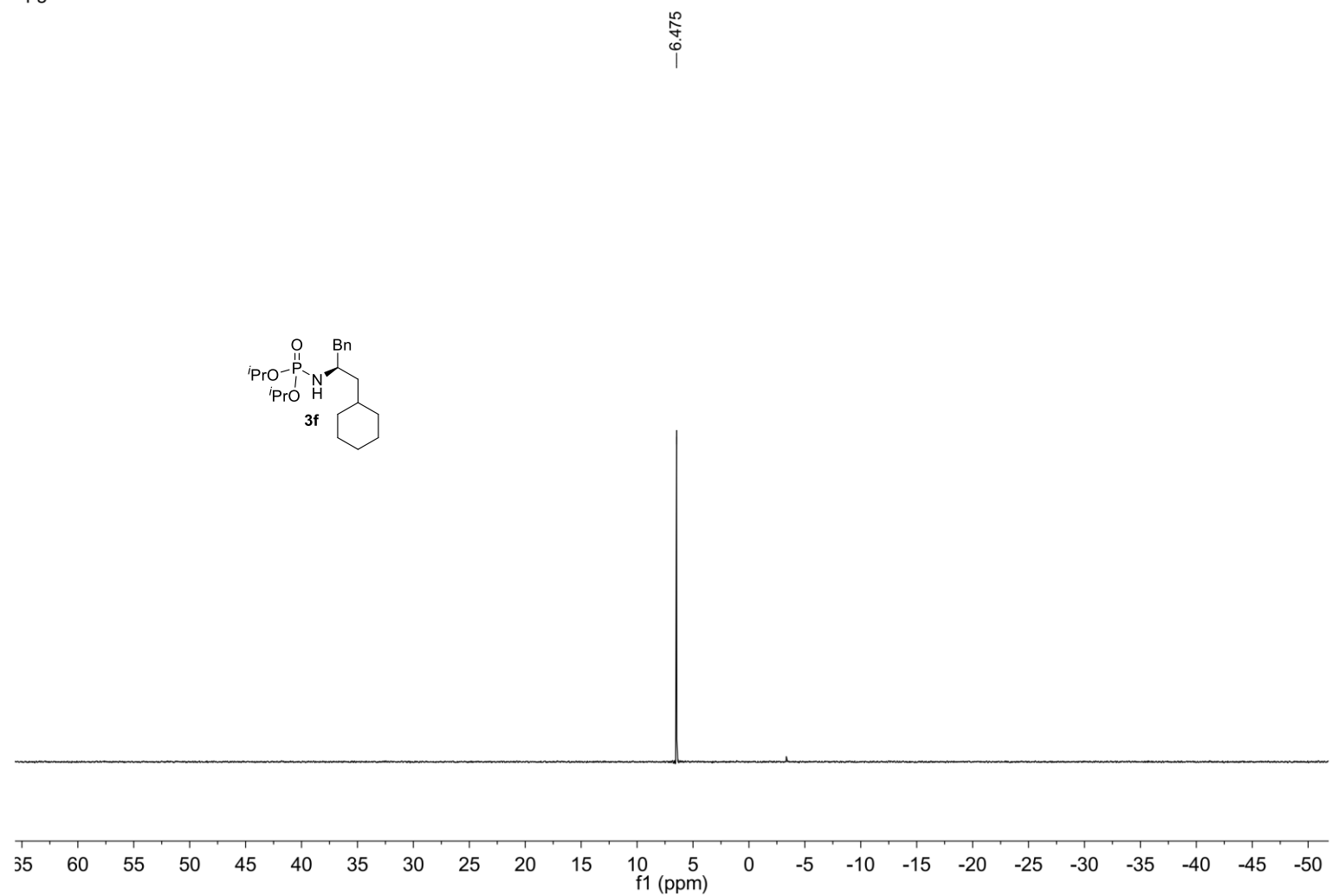
¹³C NMR spectrum (CDCl₃) of **3b** showing peaks at the following chemical shifts (ppm):

- 139.450
- 129.186
- 128.201
- 125.886
- 77.318
- 77.000
- 76.683
- 69.722
- 69.671
- 69.484
- 69.433
- 60.819
- 54.945
- 54.051
- 54.001
- 37.613
- 37.577
- 26.949
- 25.933
- 24.411
- 23.853
- 23.797
- 23.769
- 23.717
- 23.688

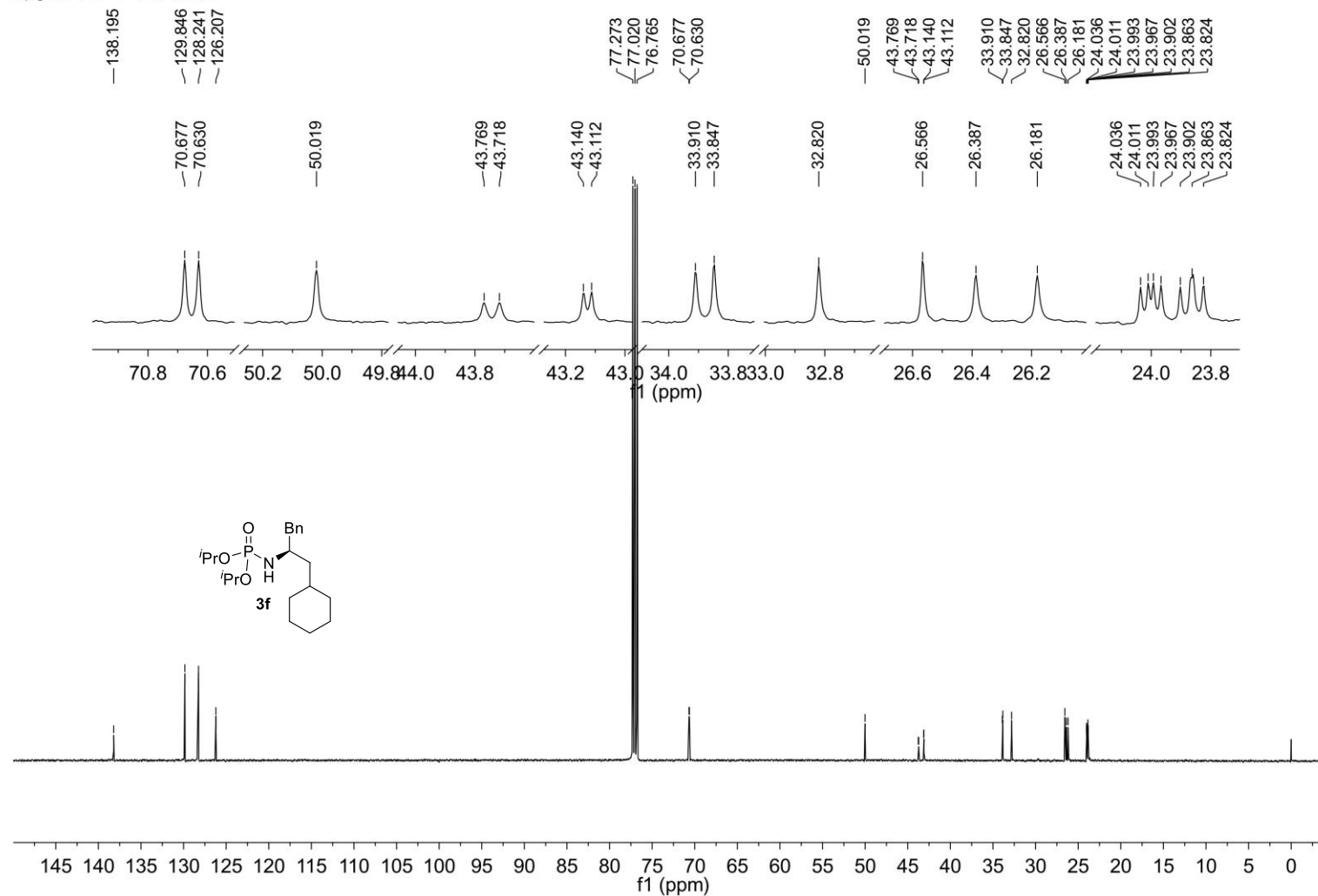
dpg-dl-146 H 500 MHz



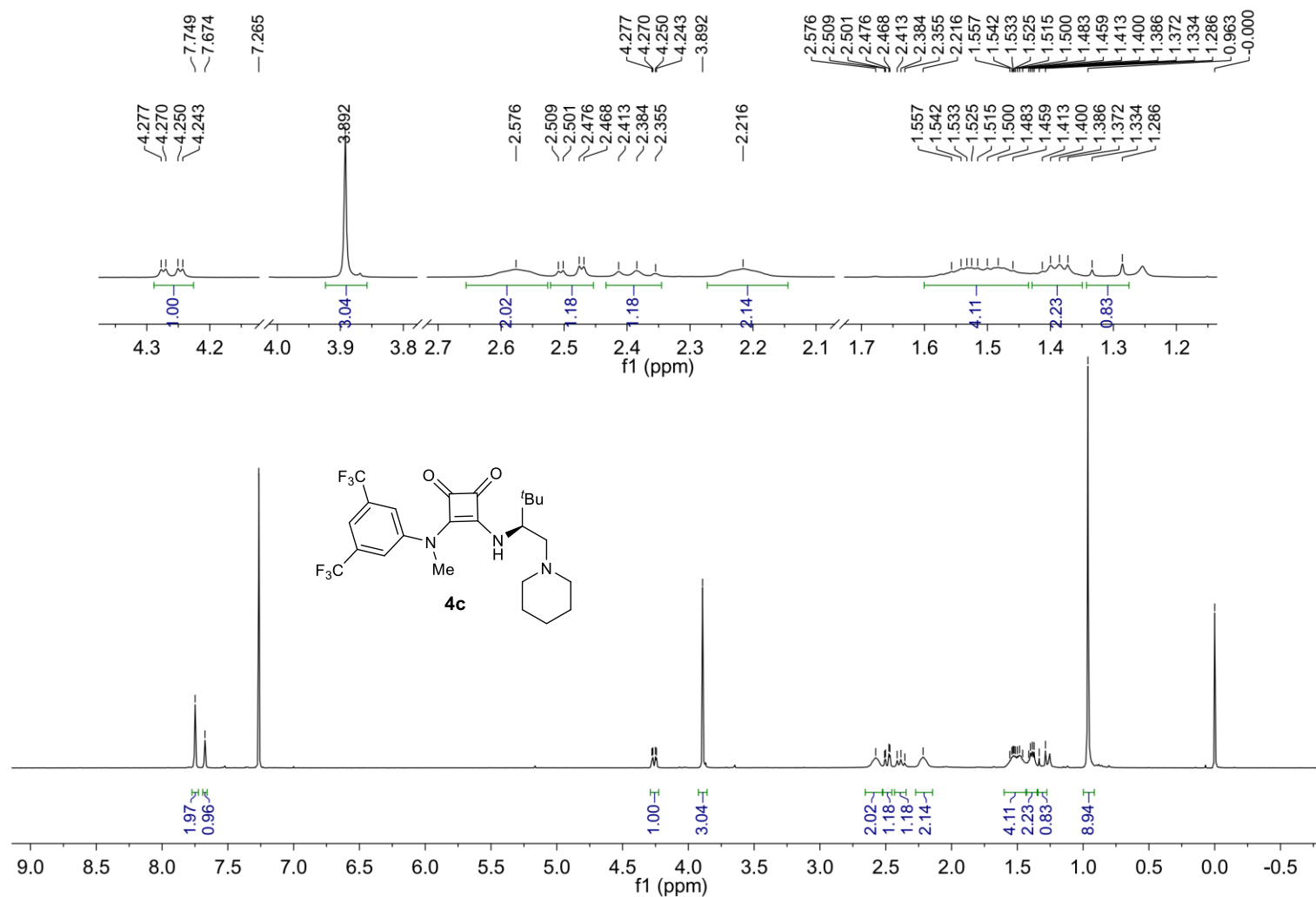
dpg-dl-146 P 202 MHz



dpg-dl-146 C 125 MHz

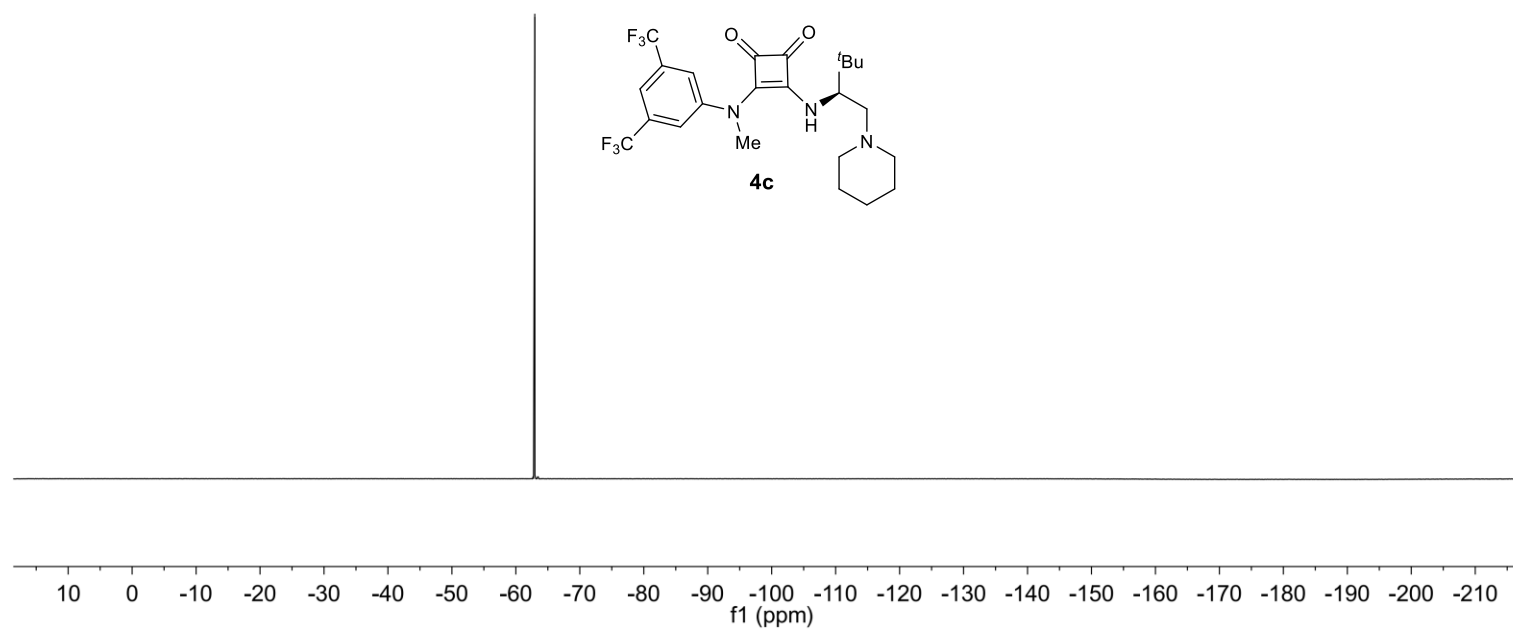


DPG-DL-57 H 400 MHz

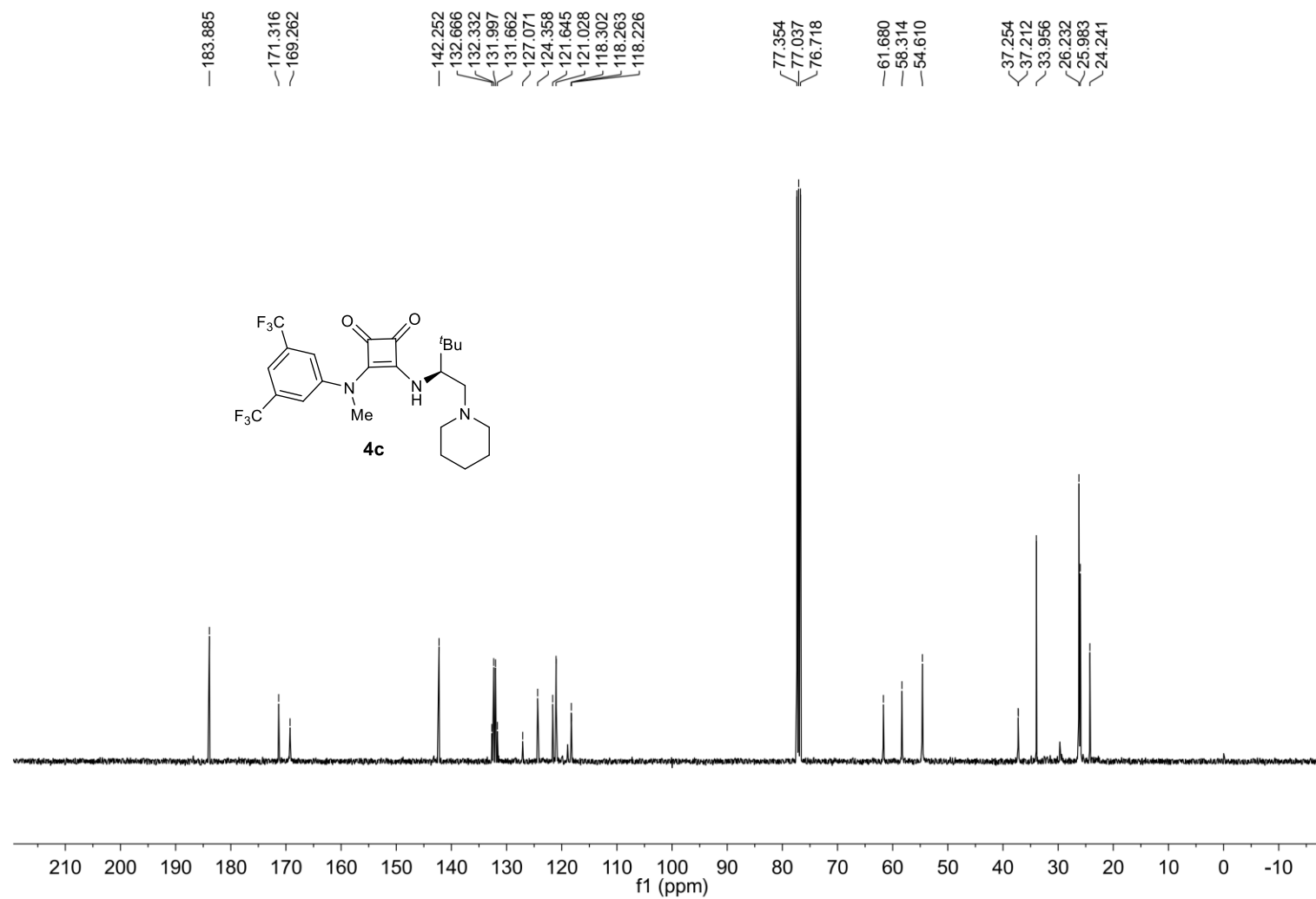


DPG-DL-57 F 376 MHz

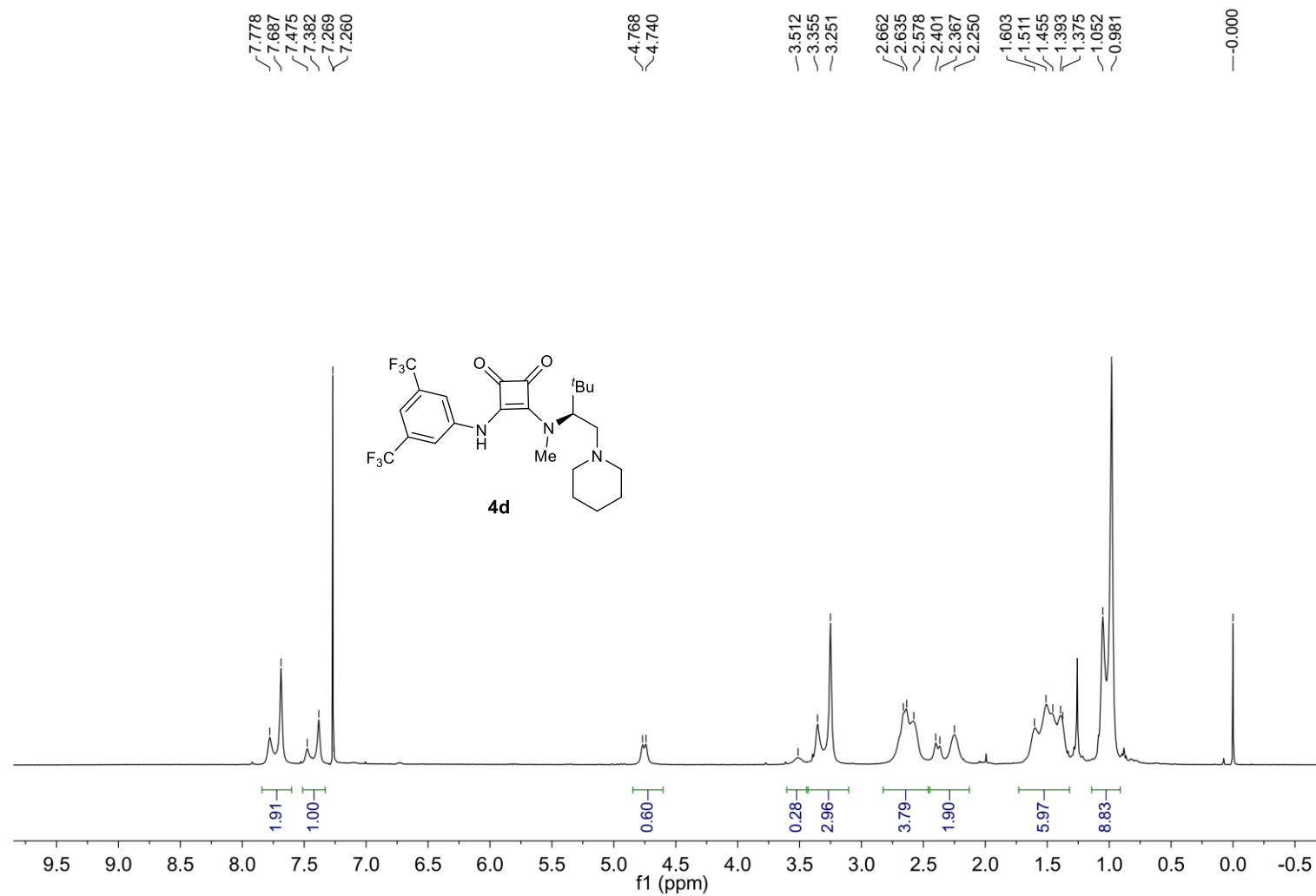
—62.958



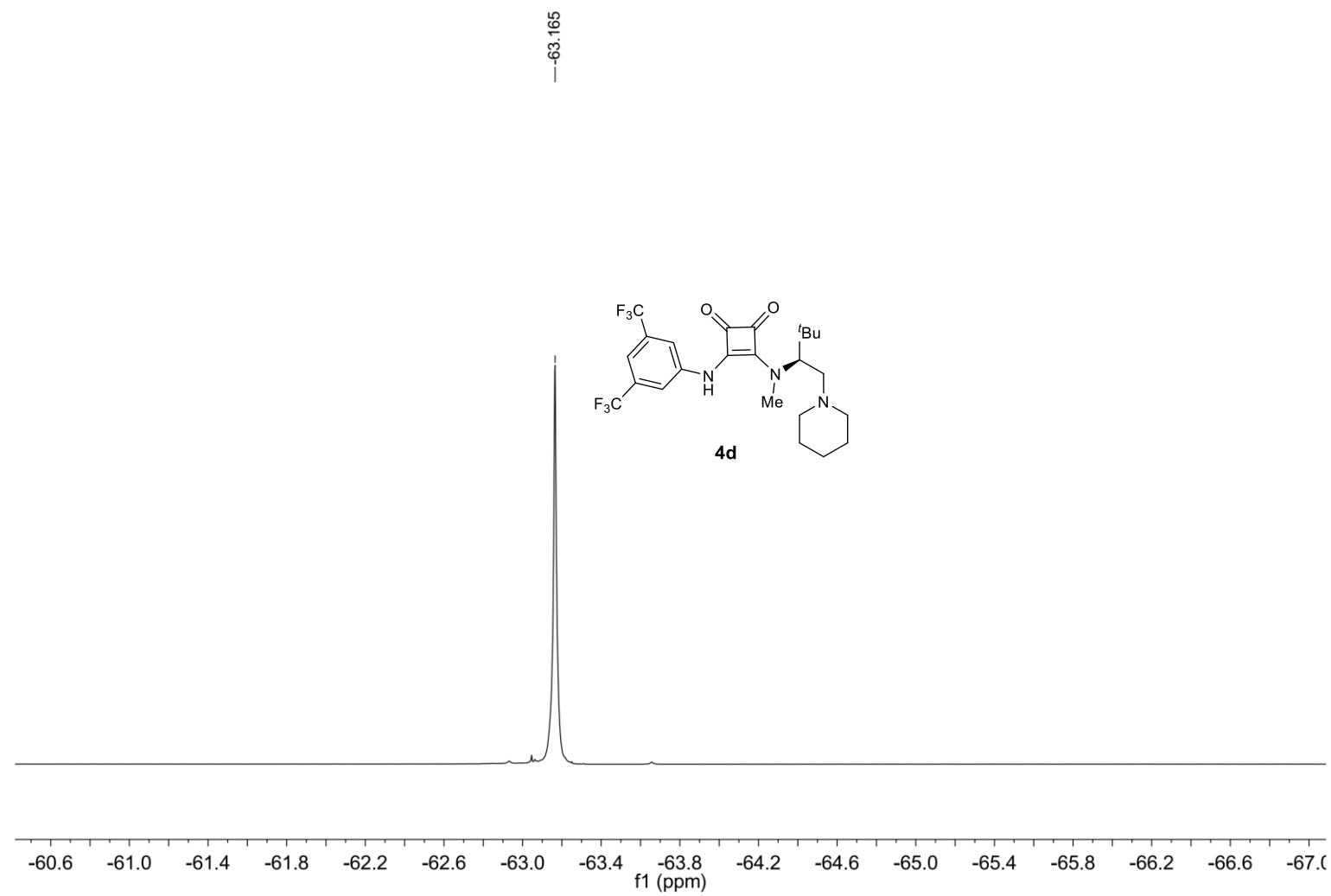
DPG-DL-57 C 100 MHz



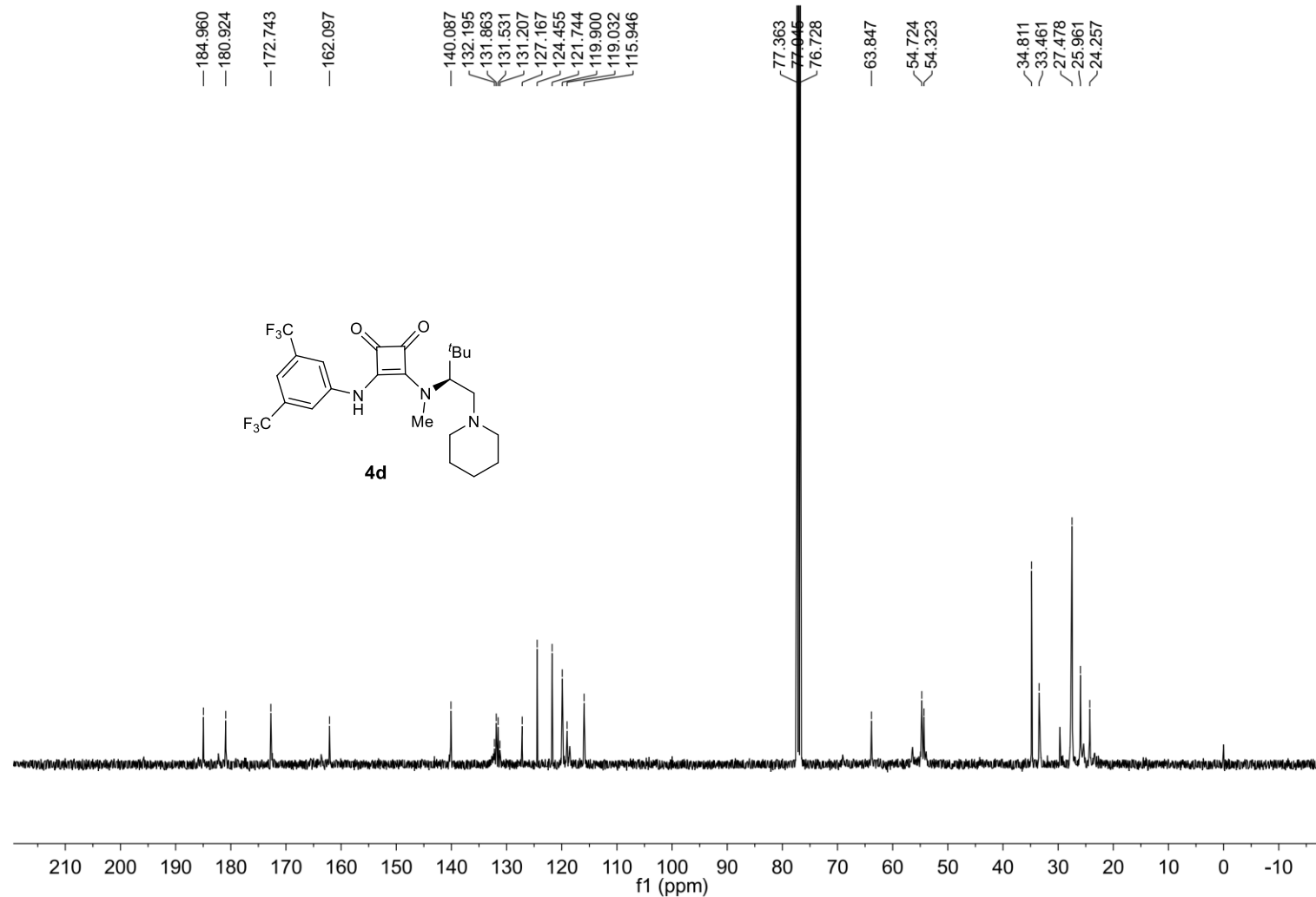
DPG-DL-51 H 400 MHz



DPG-DL-51 F 376 MHz



DPG-DL-51 C 100 MHz



DPG-DD-37 H 300 MHz

7.837
7.834
7.811
7.808
7.766
7.741
7.366
7.364
7.361
7.340
7.338
7.335
7.315
7.312
7.310
7.264

— 5.300

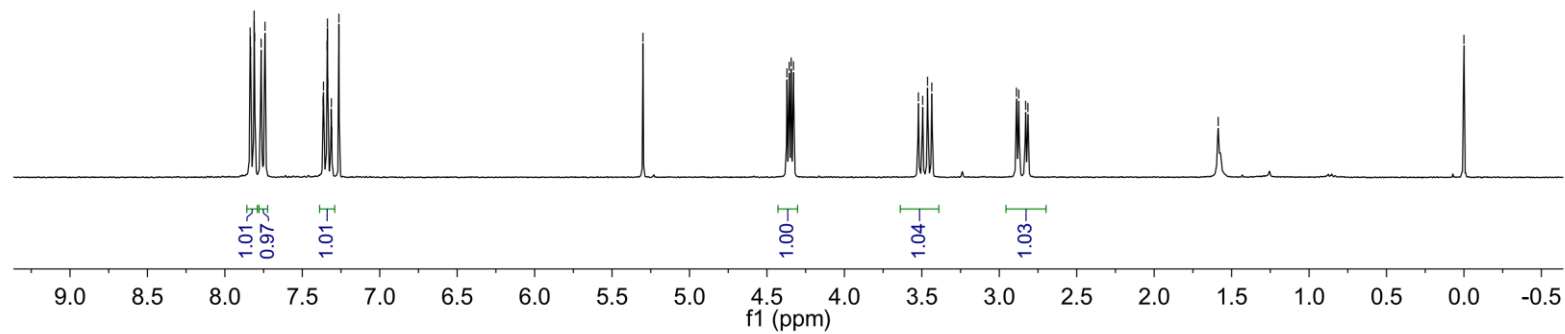
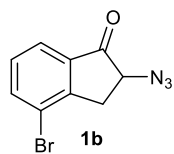
4.371
4.356
4.343
4.329

3.522
3.495
3.463
3.436

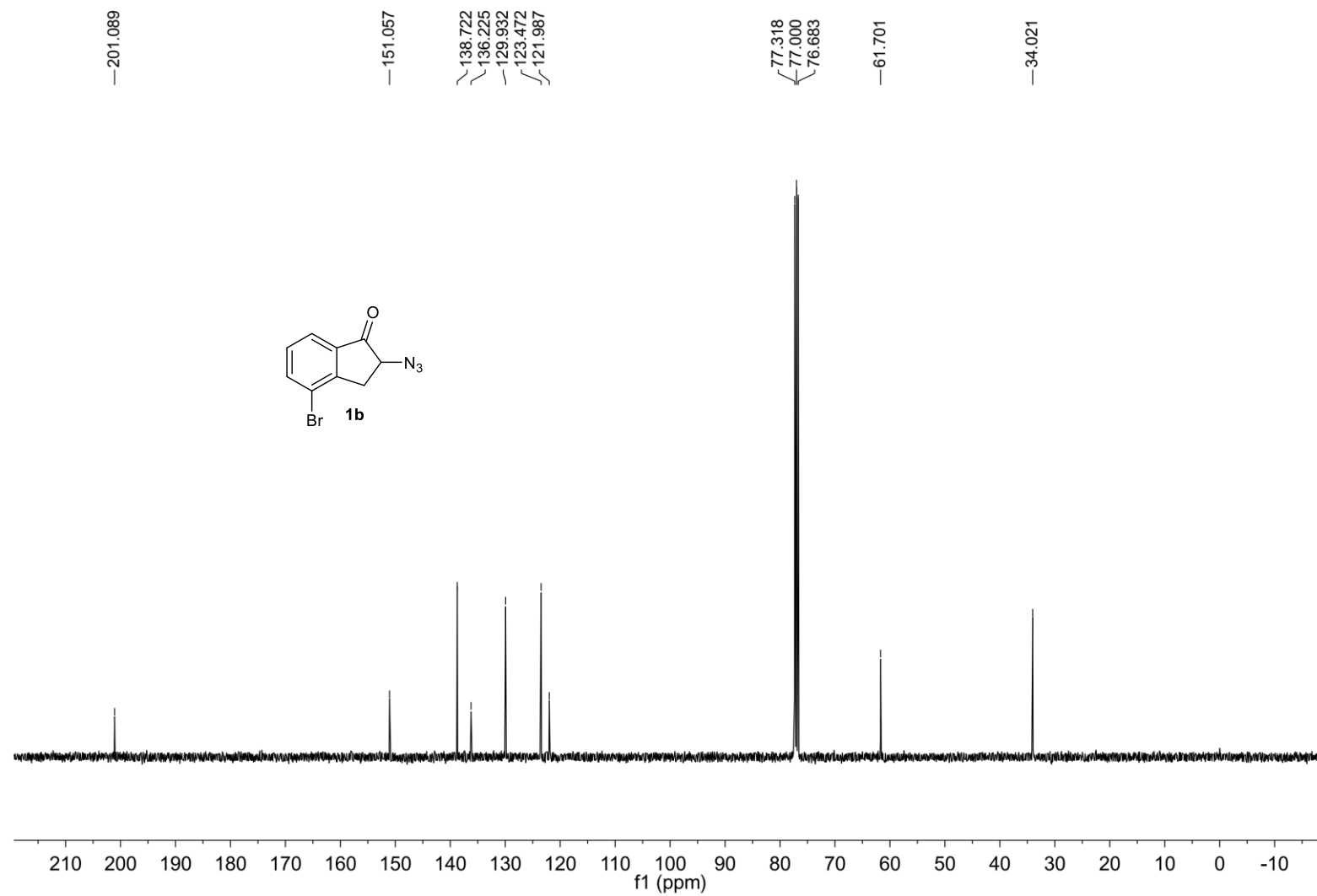
2.889
2.874
2.830
2.815

— 1.587

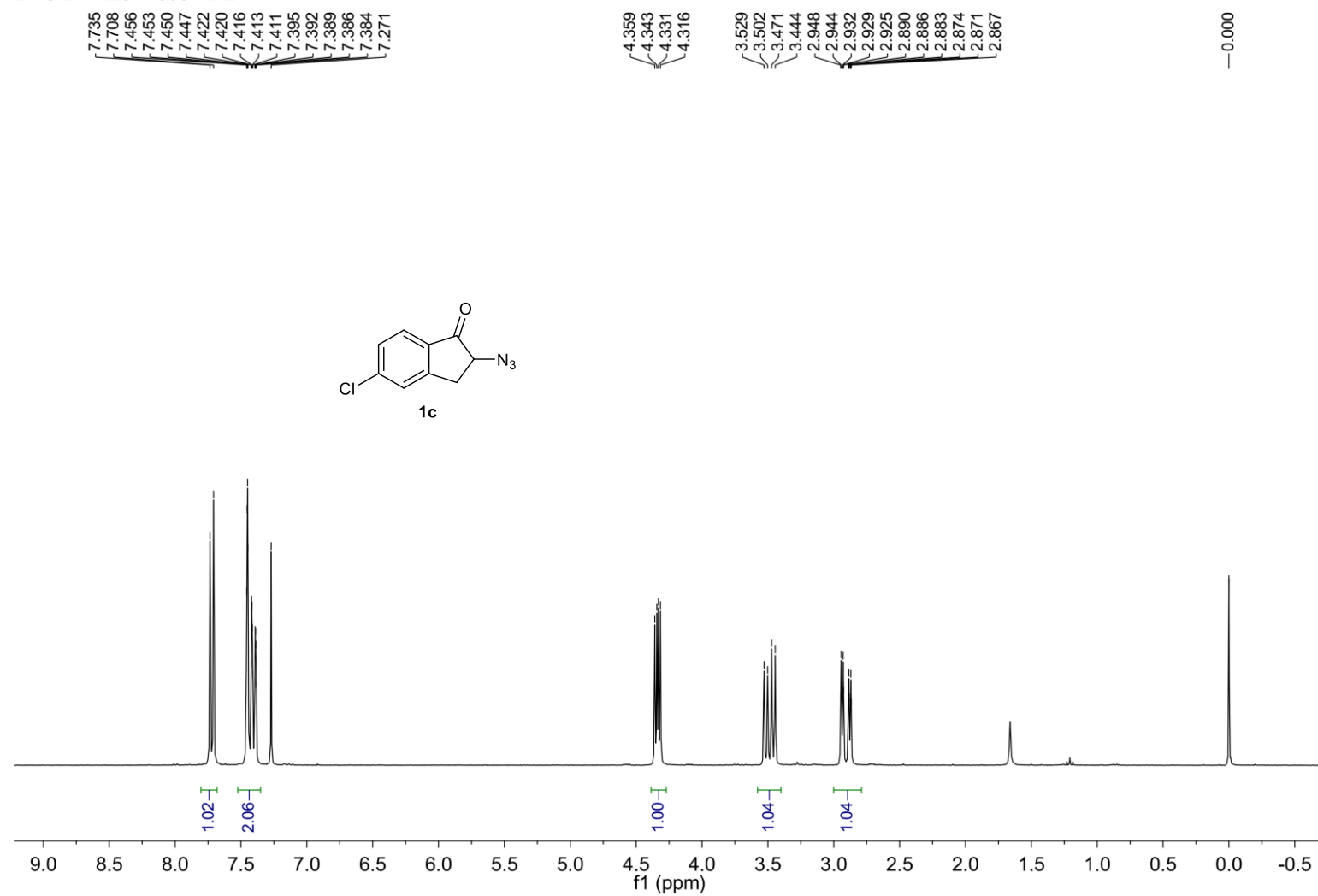
— 0.000



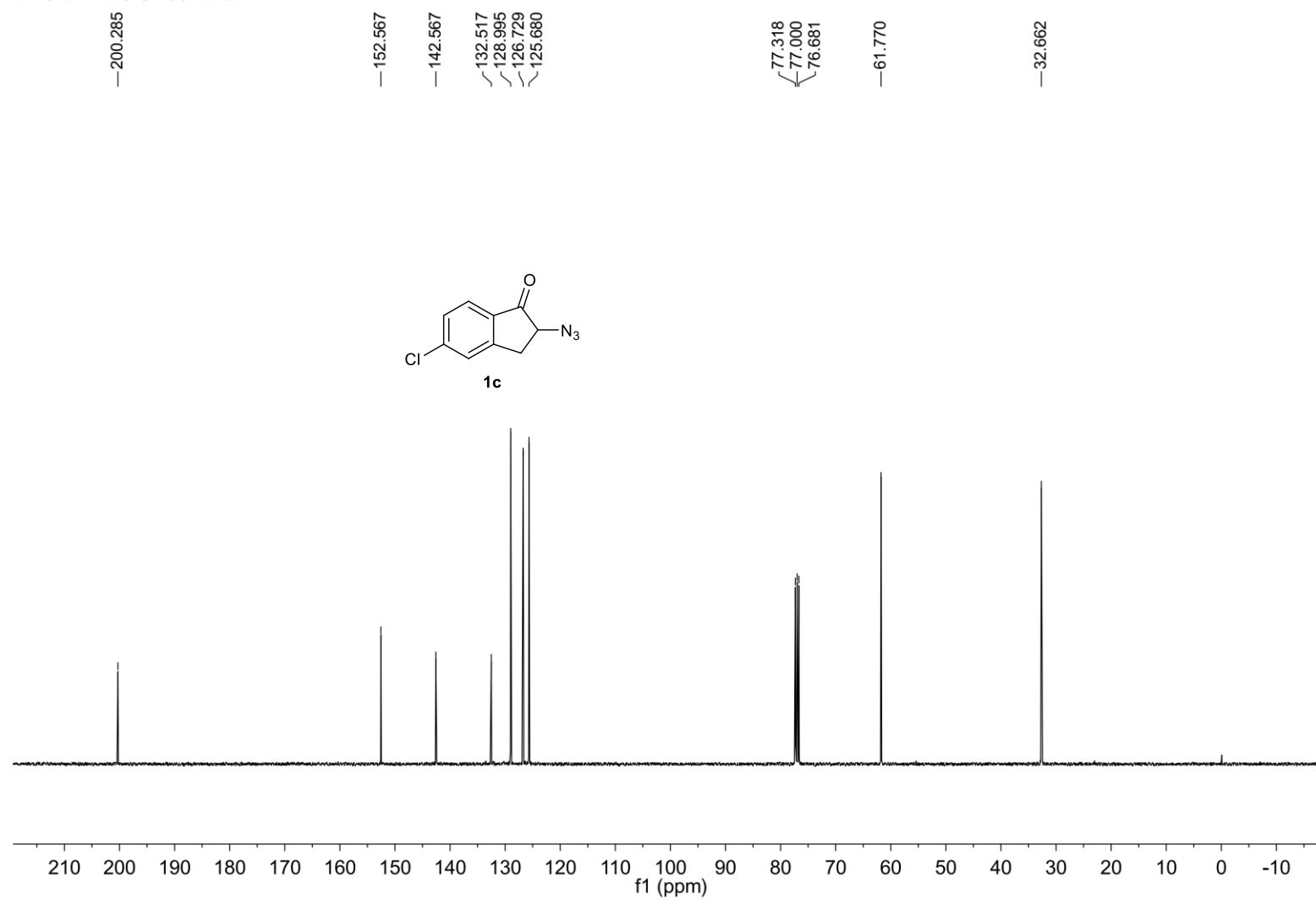
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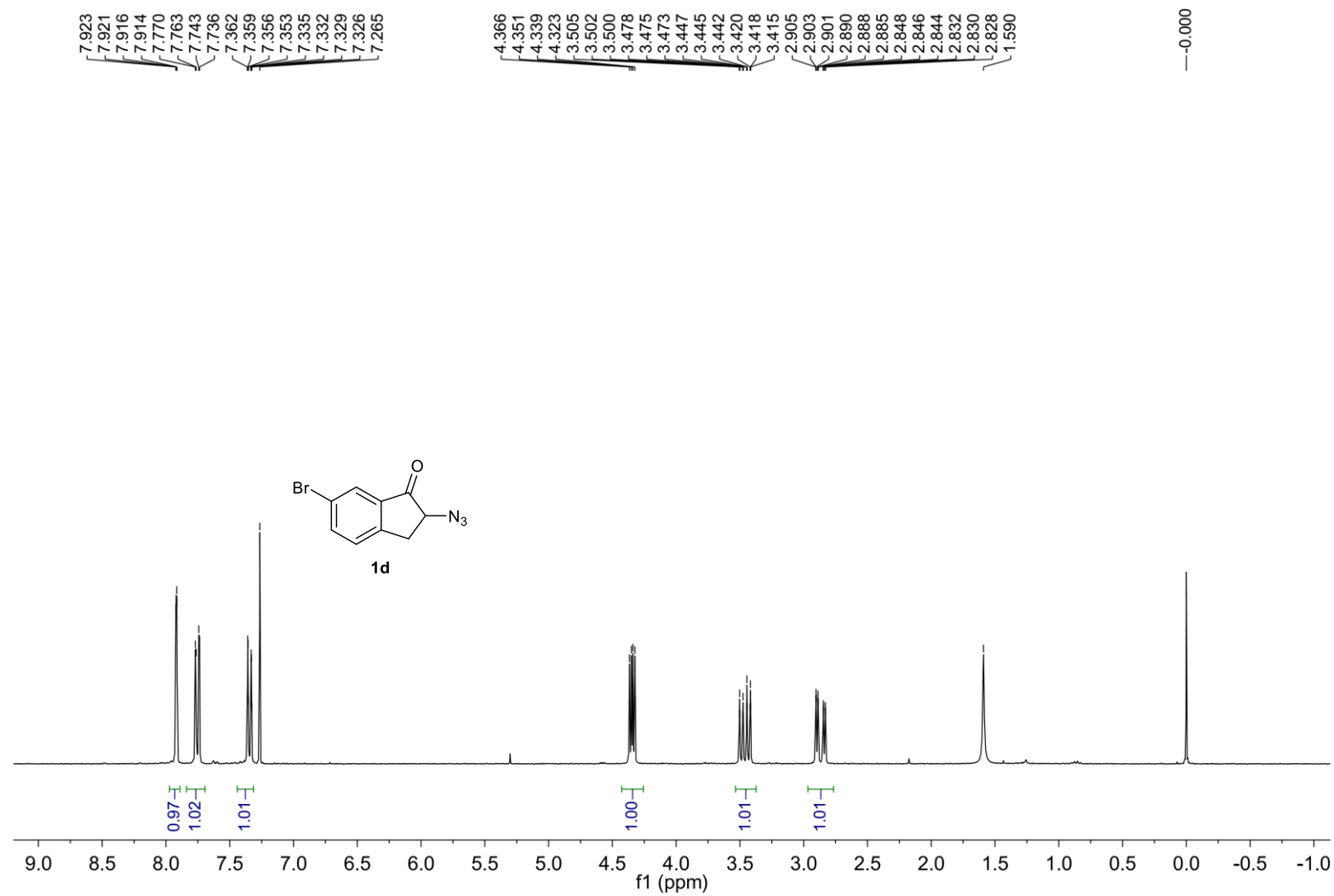
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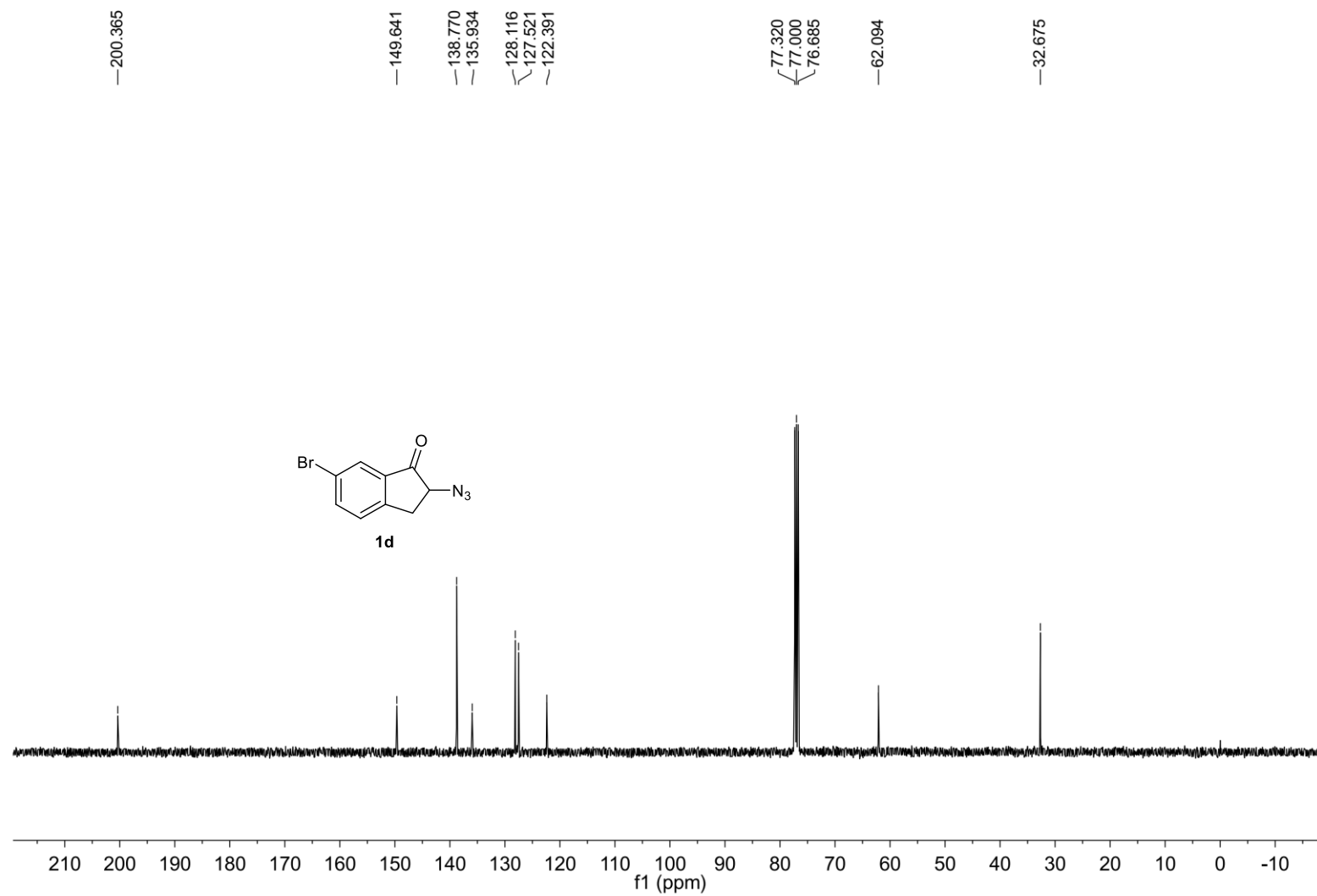
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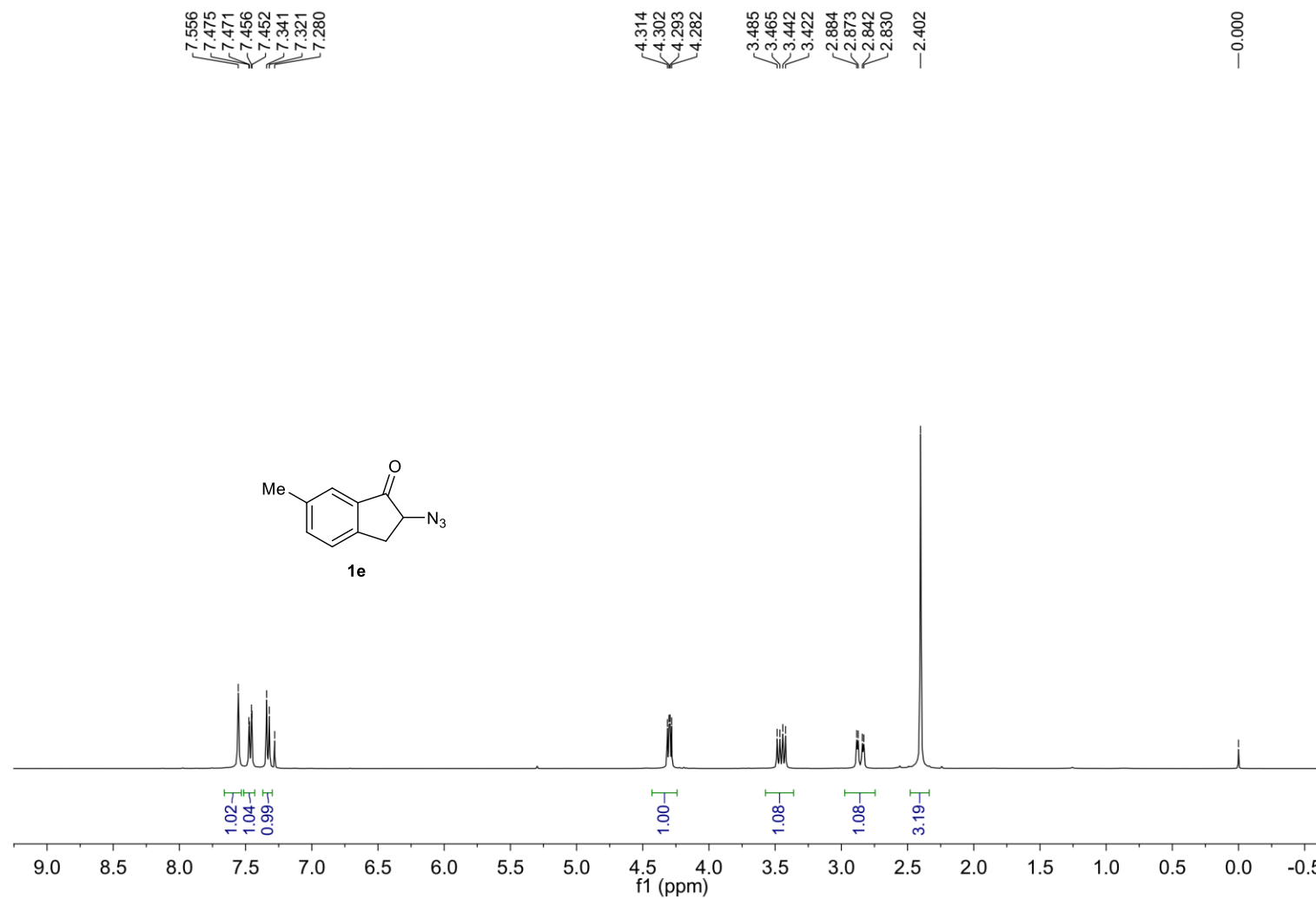
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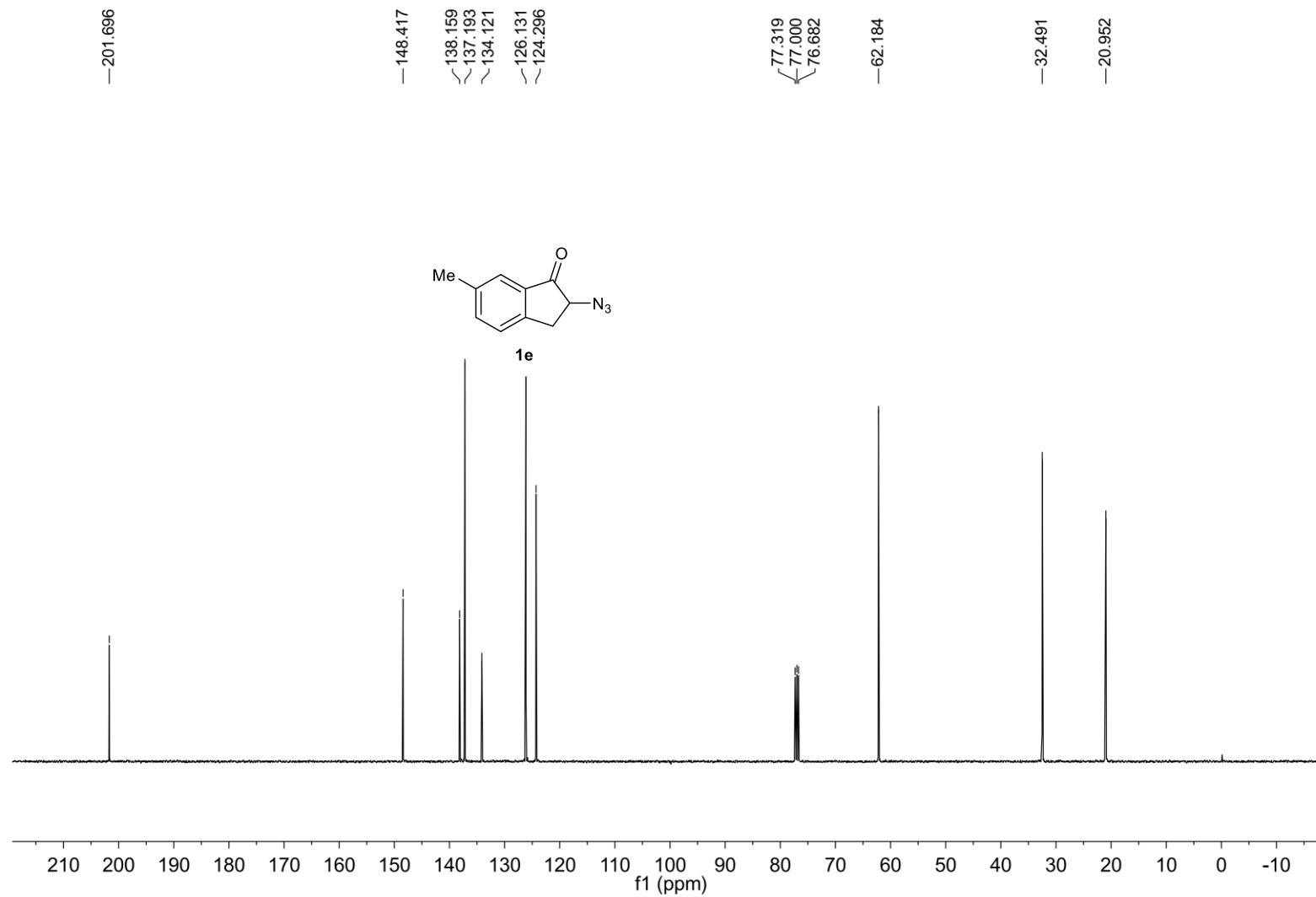
DPG-DC-115 C 100 MHz



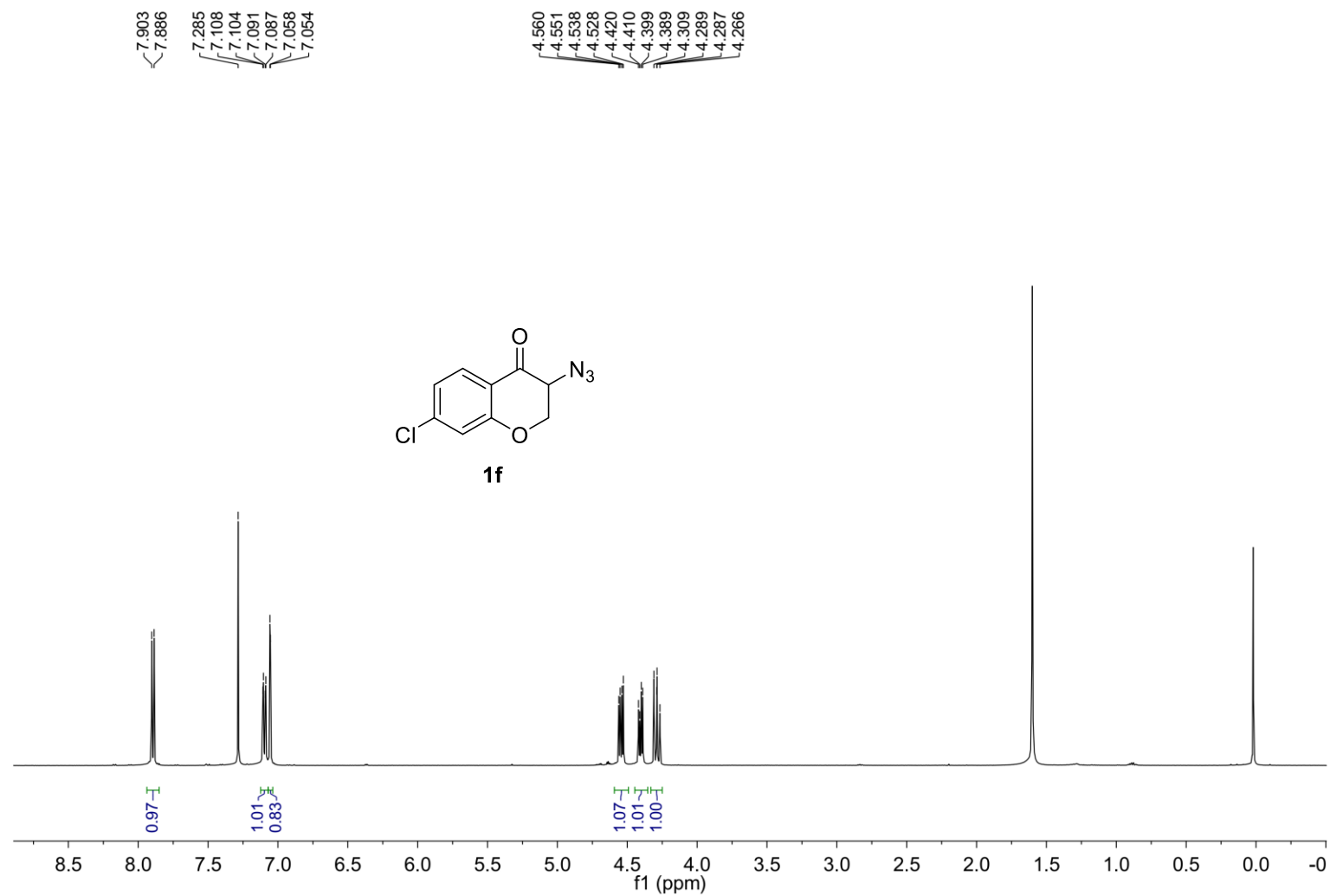
DPG-DA-150 H 400 MHz



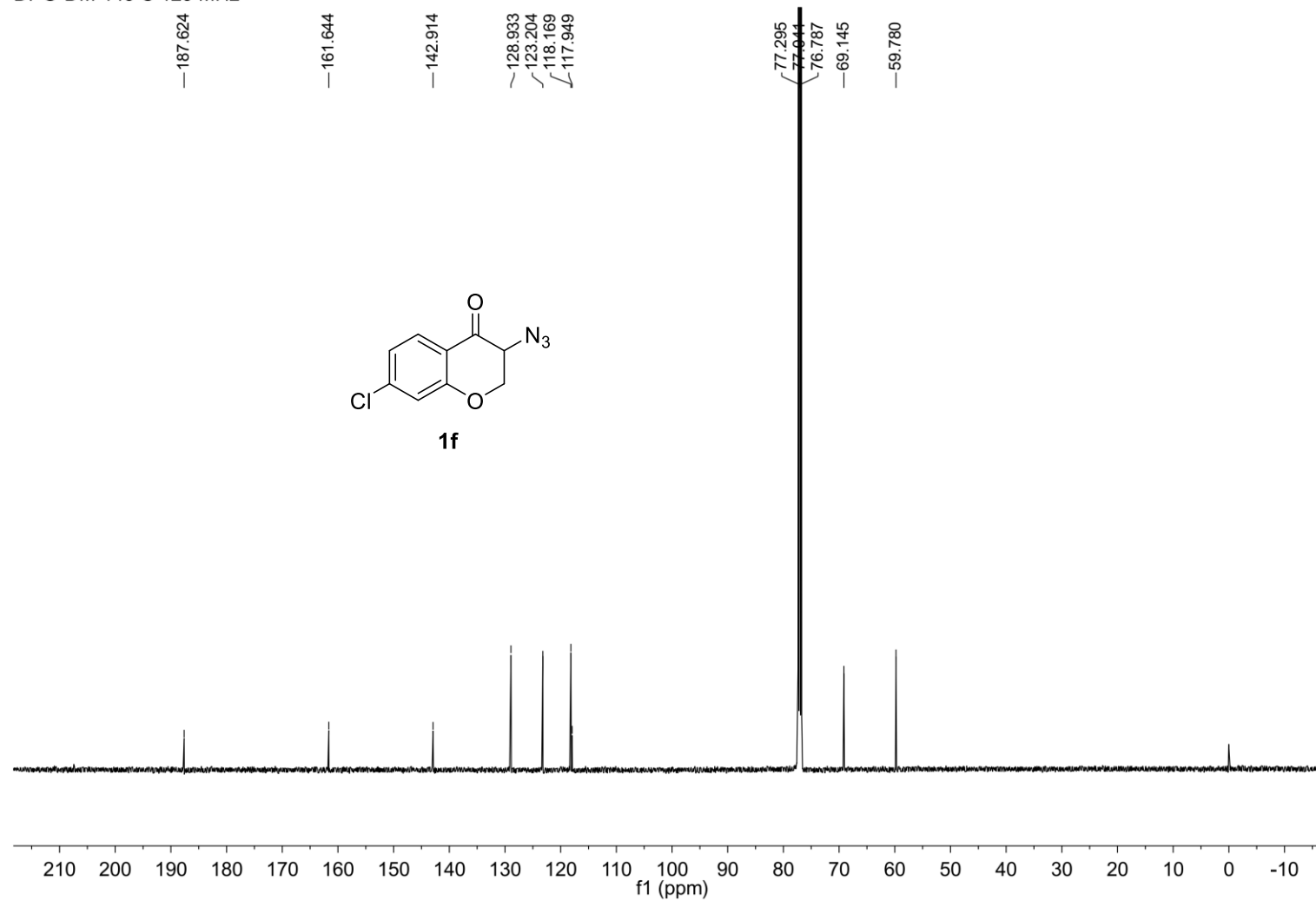
DPG-DA-150 C 100 MHz



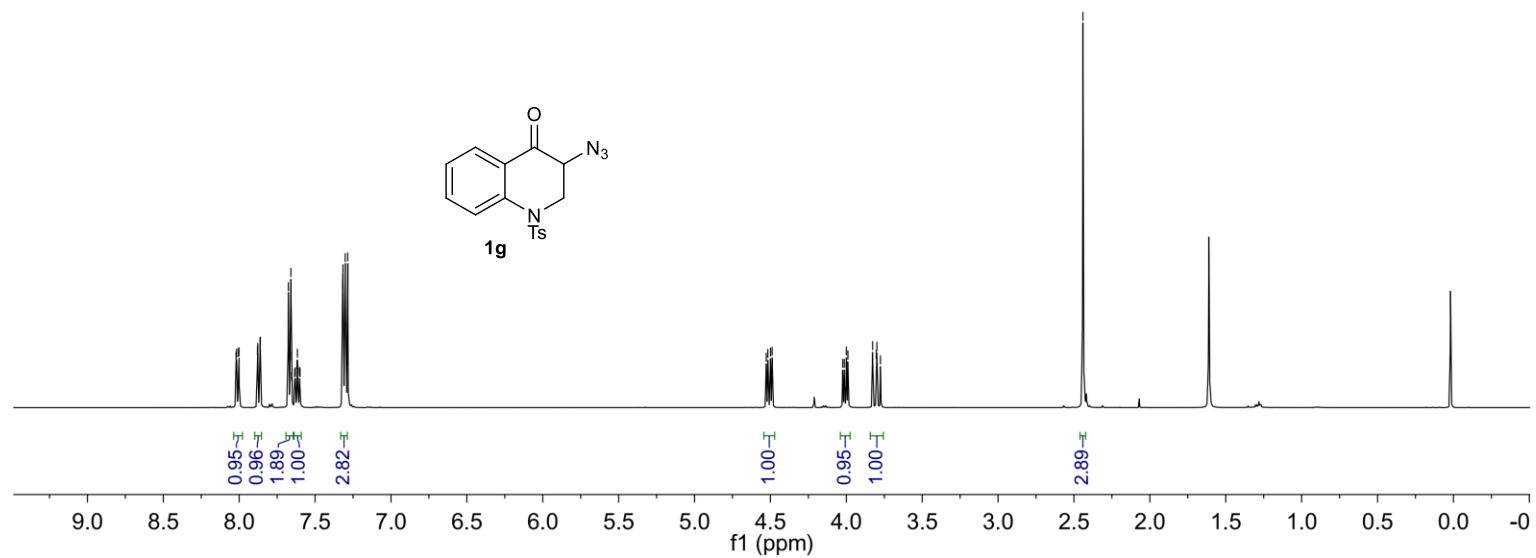
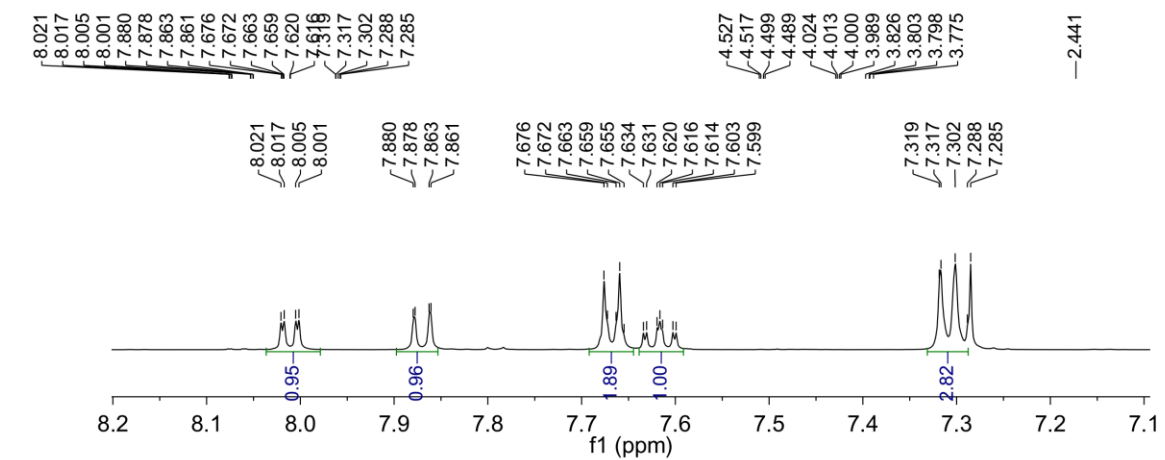
DPG-DM-145 H 500 MHz



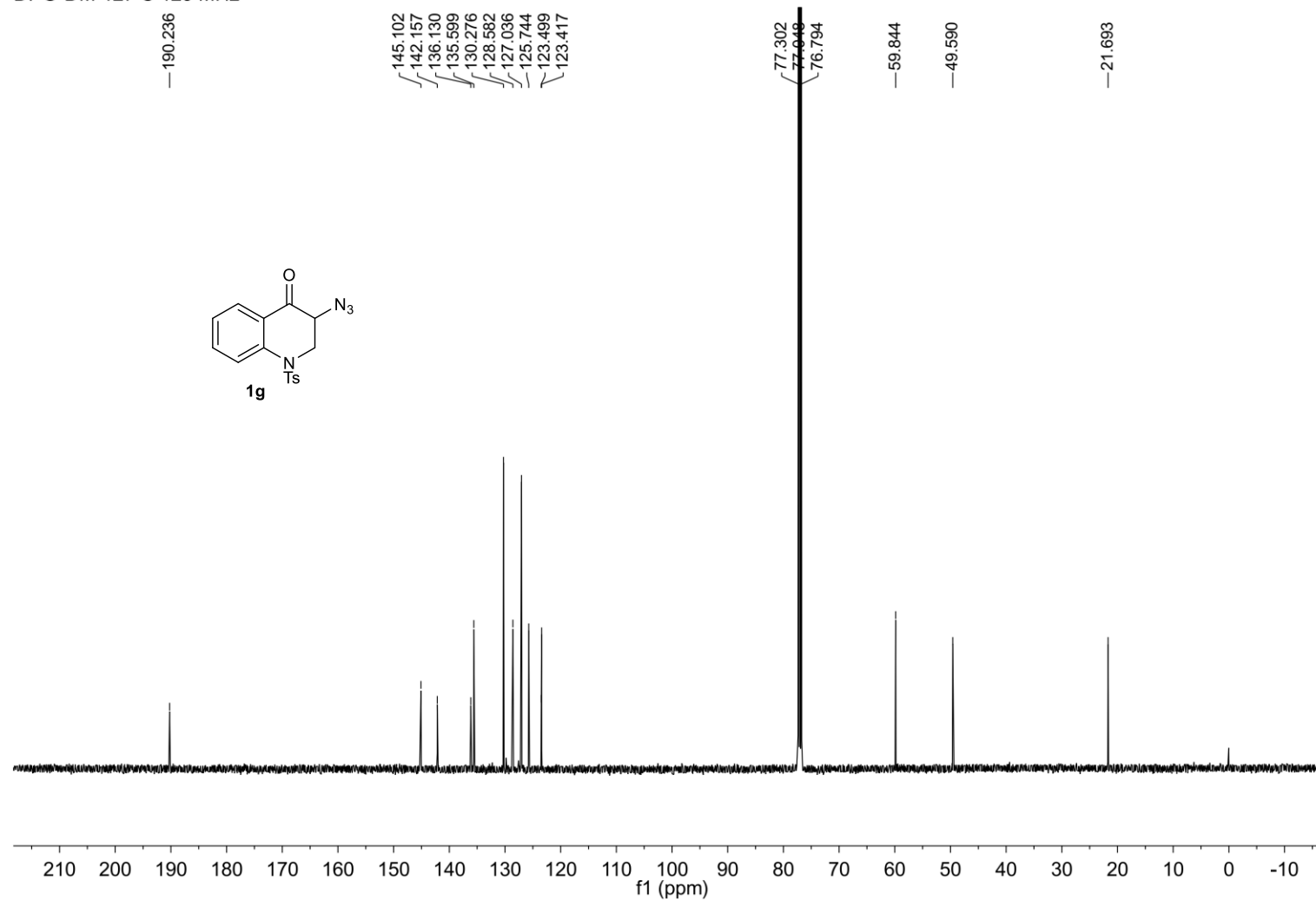
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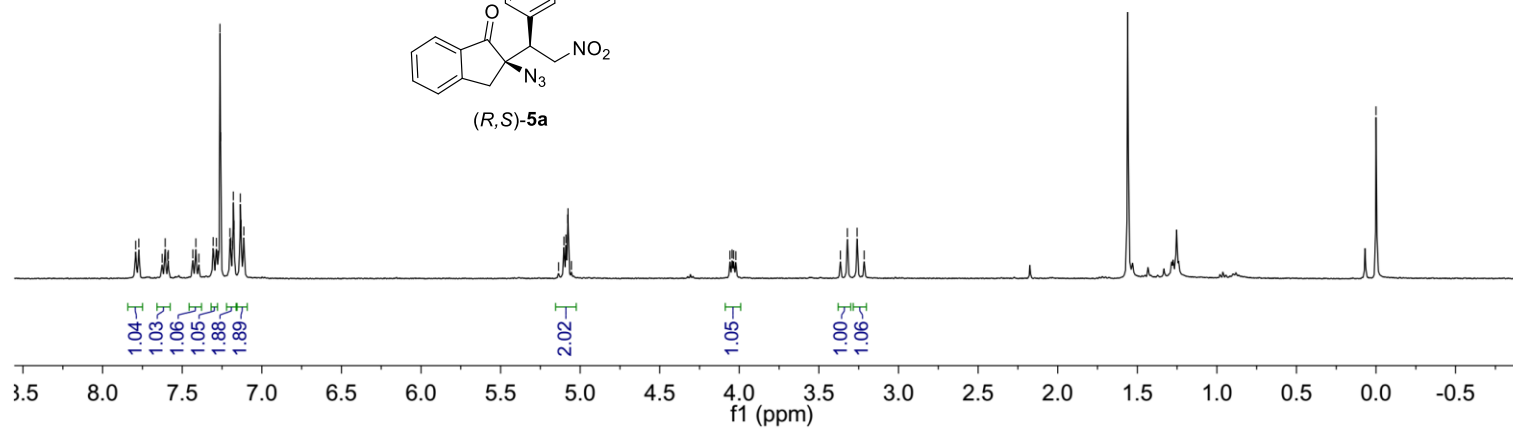
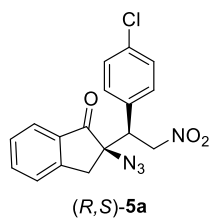
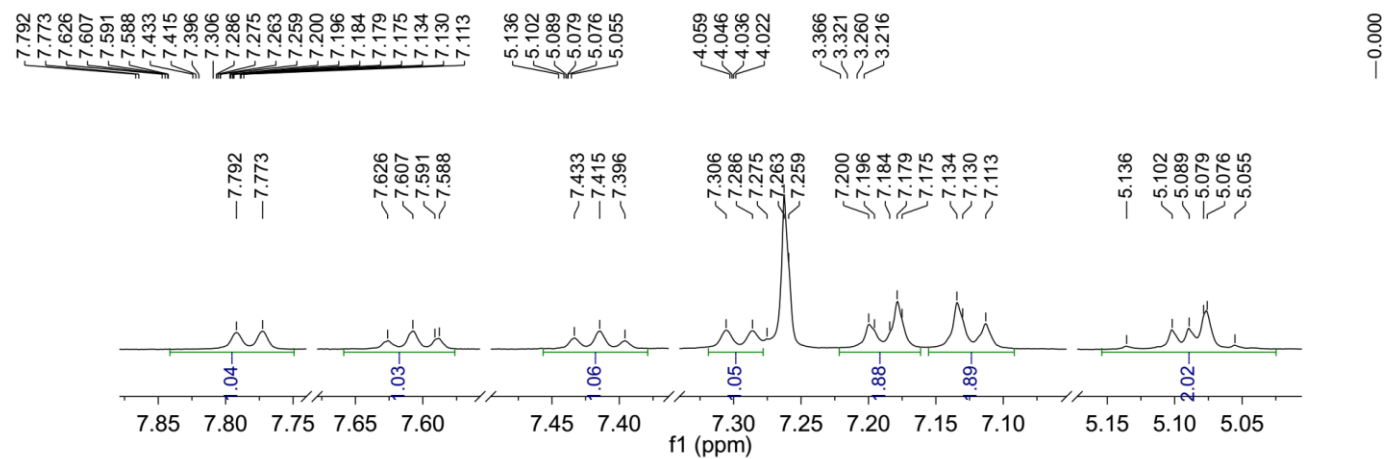
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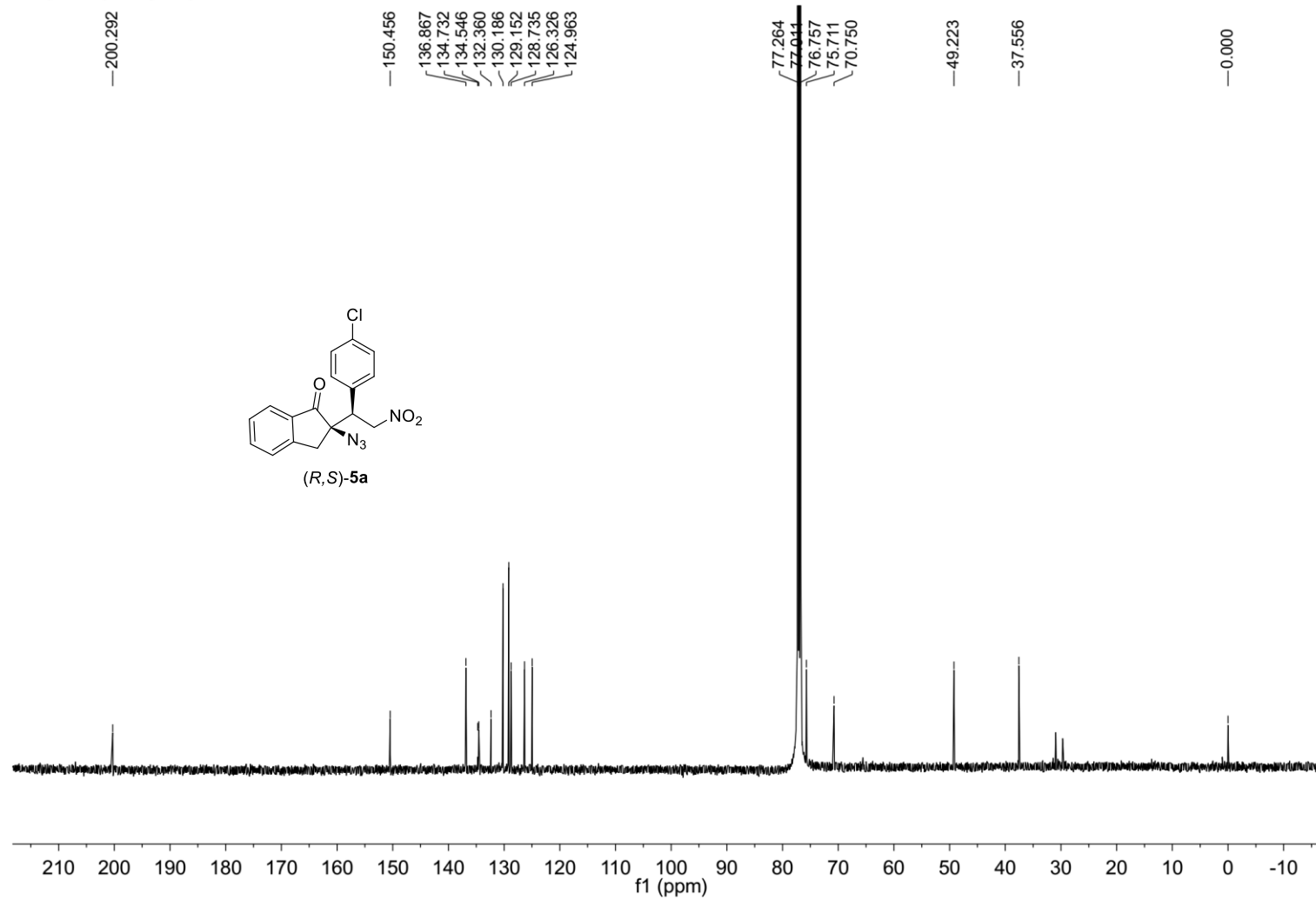
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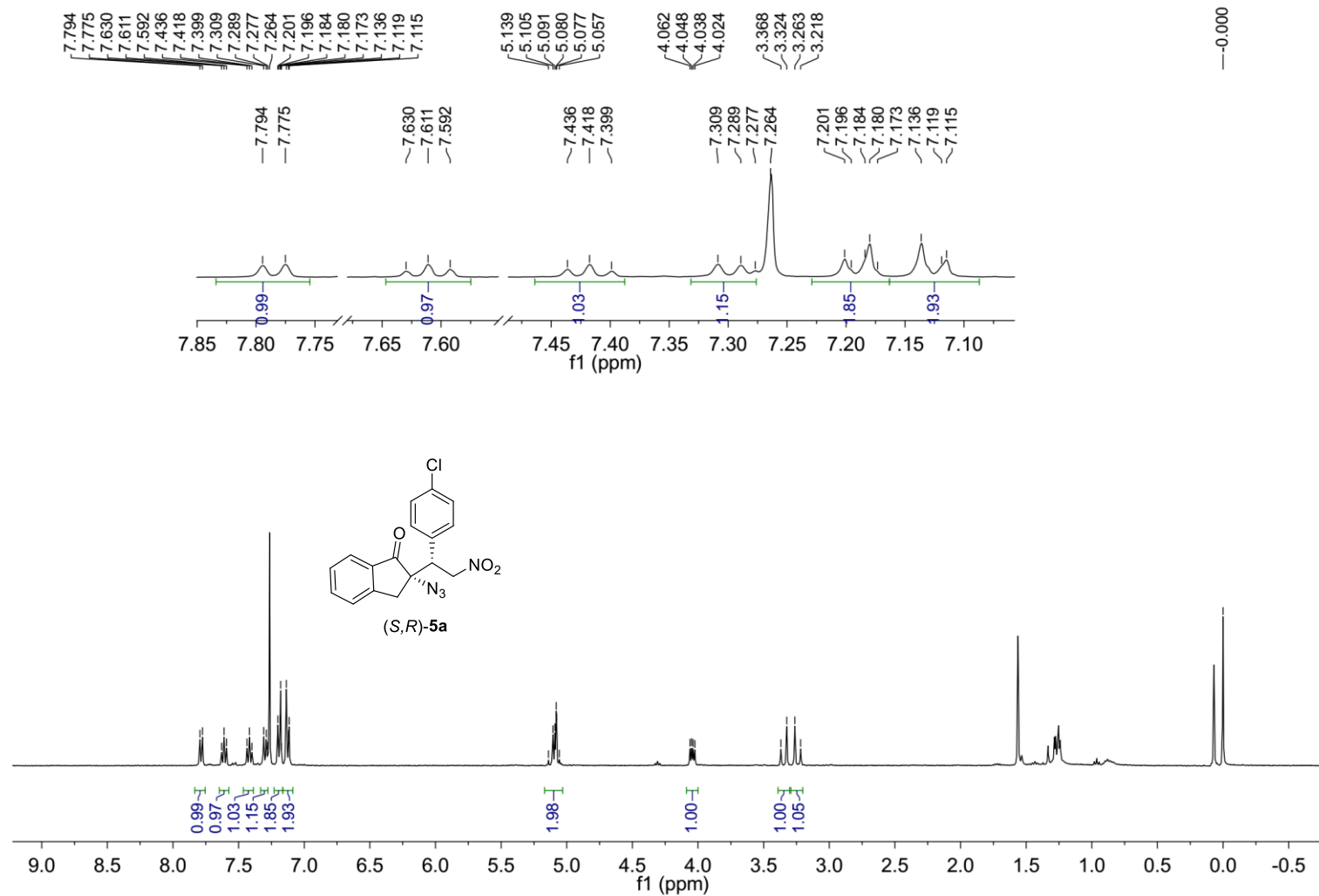
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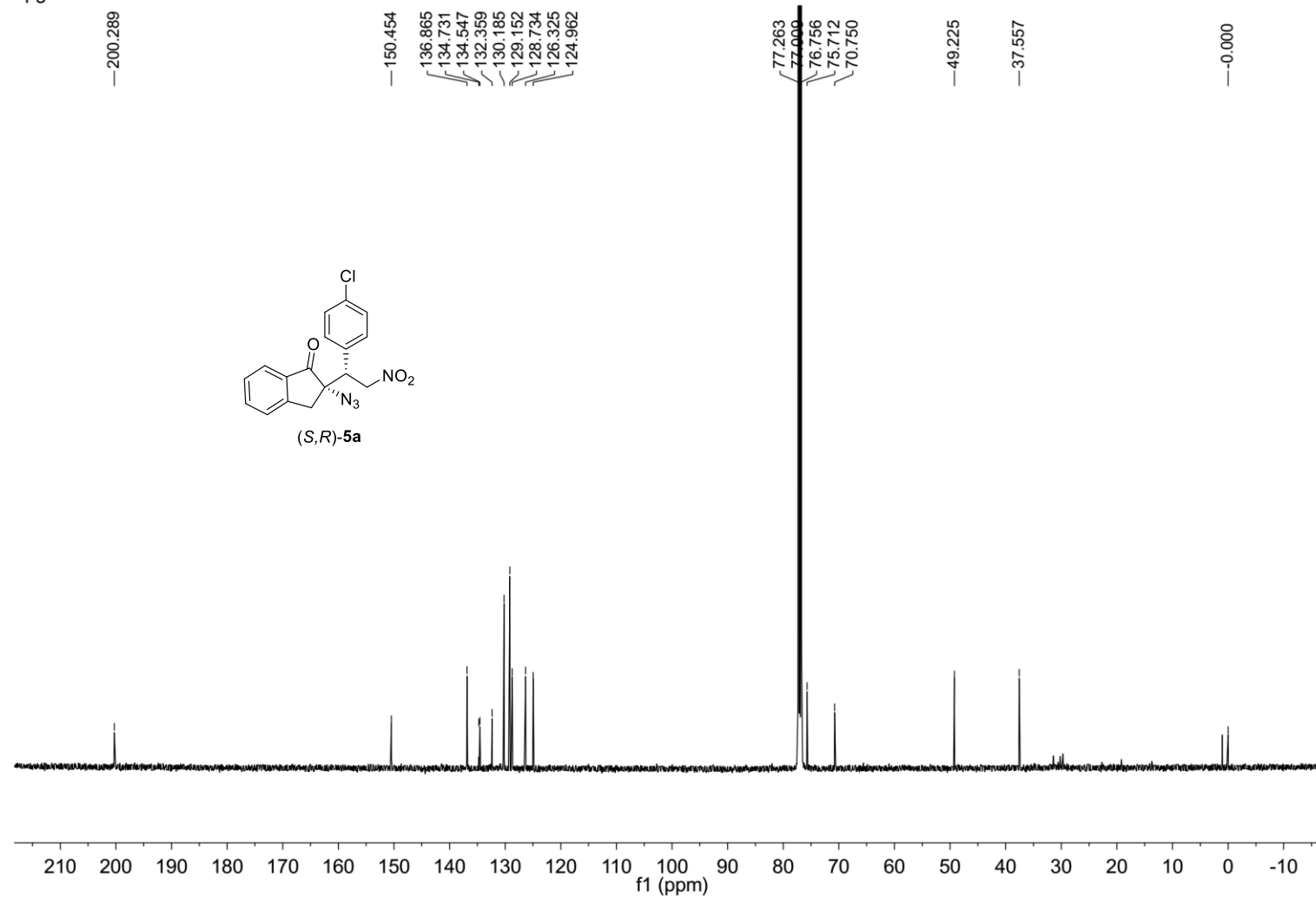
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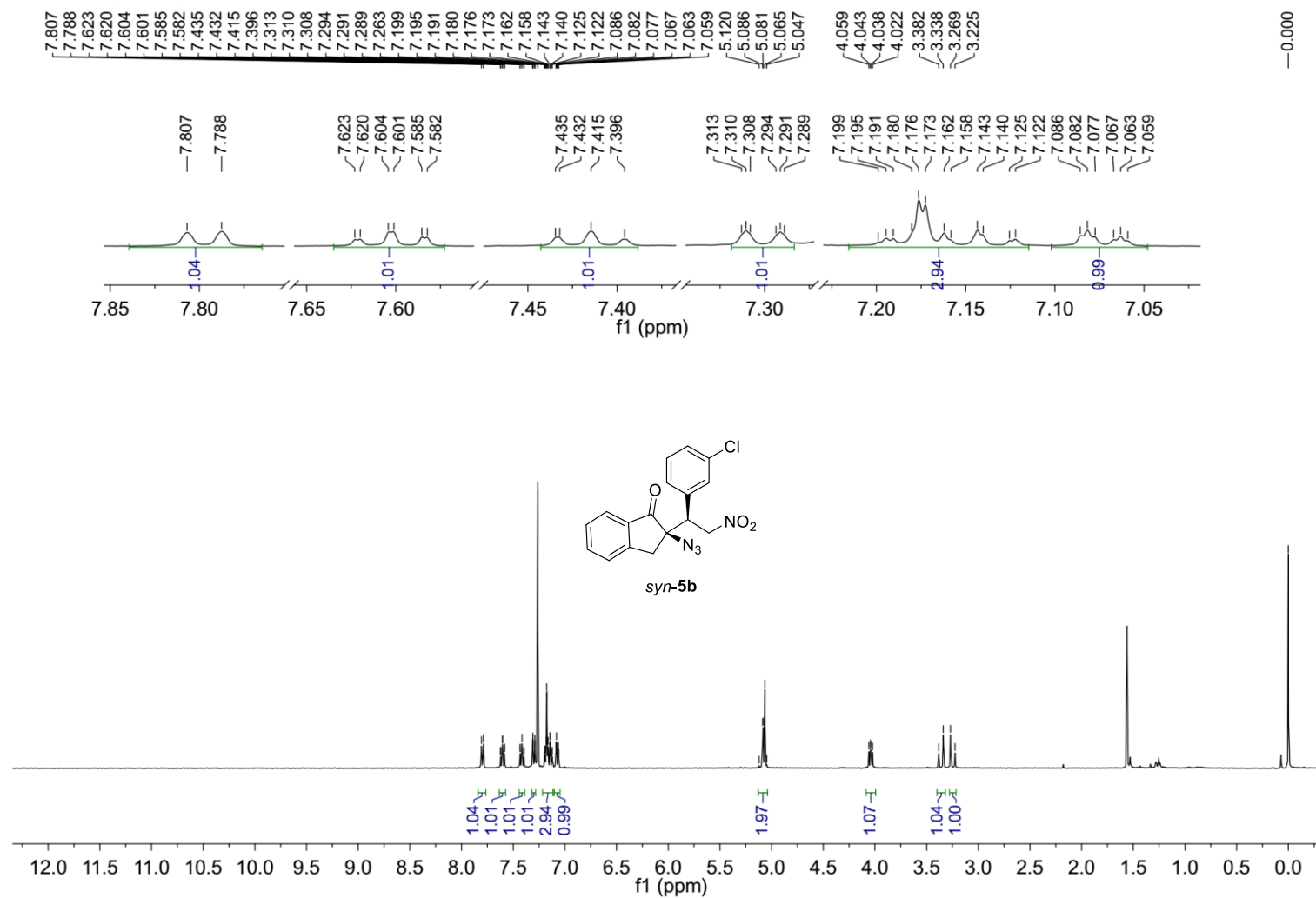
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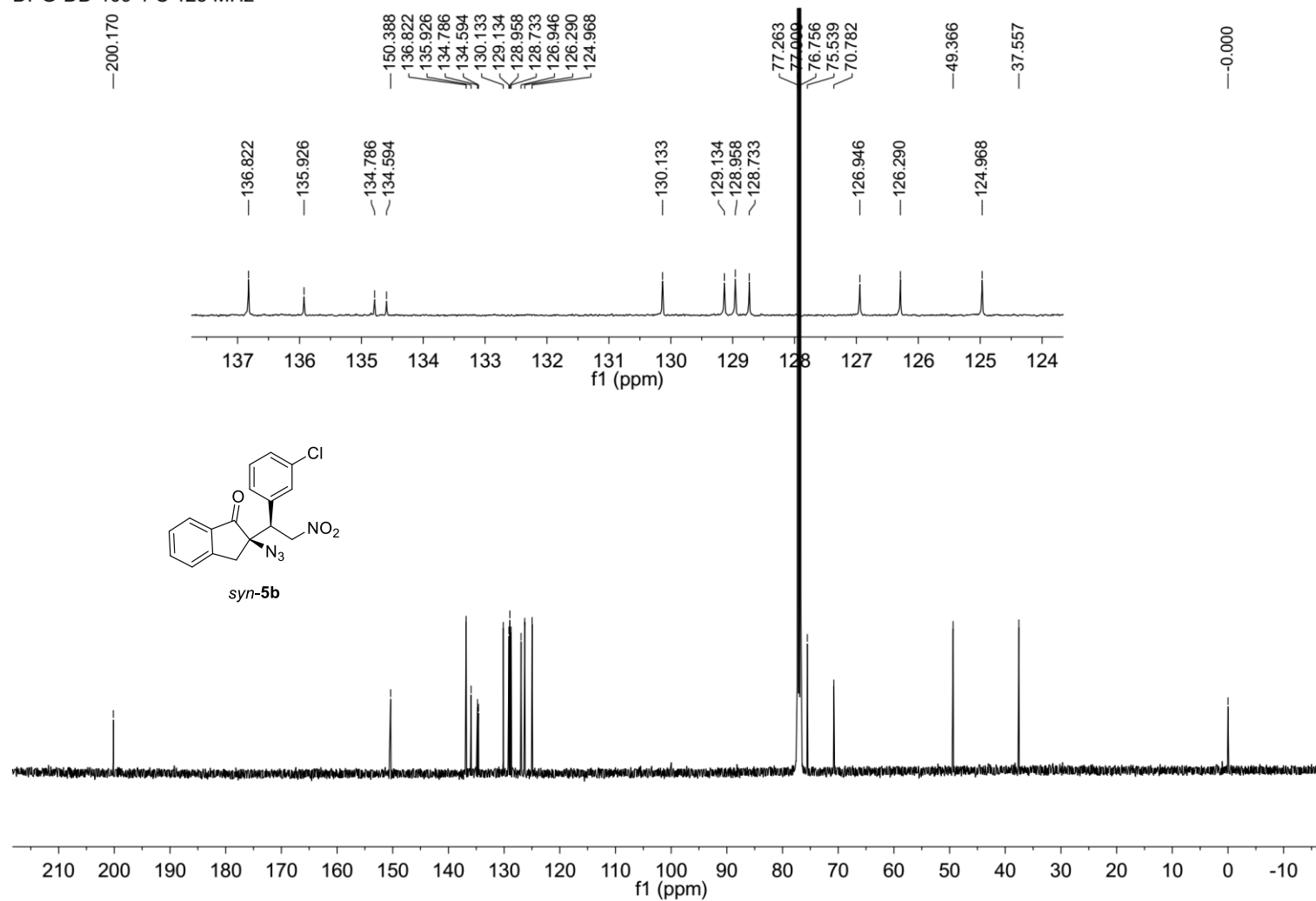
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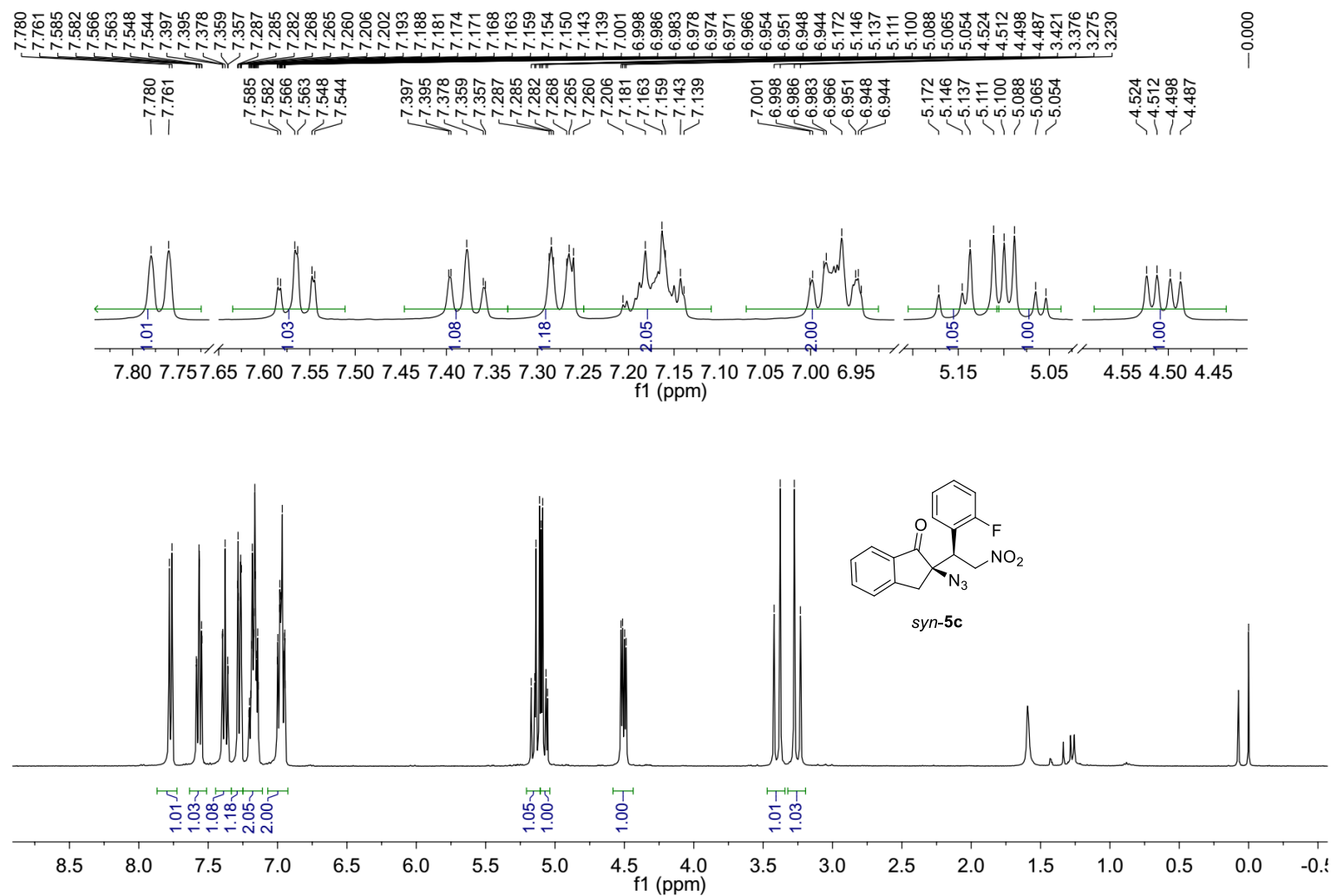
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DPG-DD-109-1 C 125 MHz

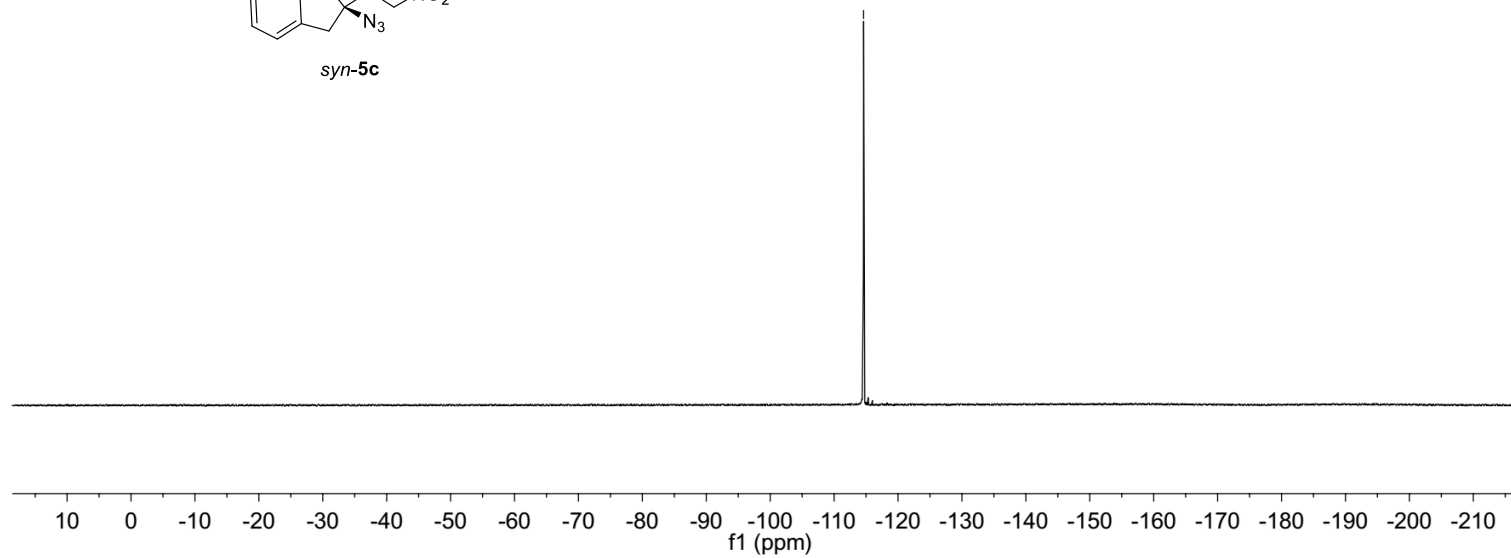
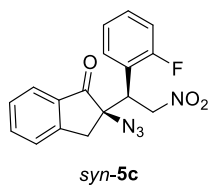


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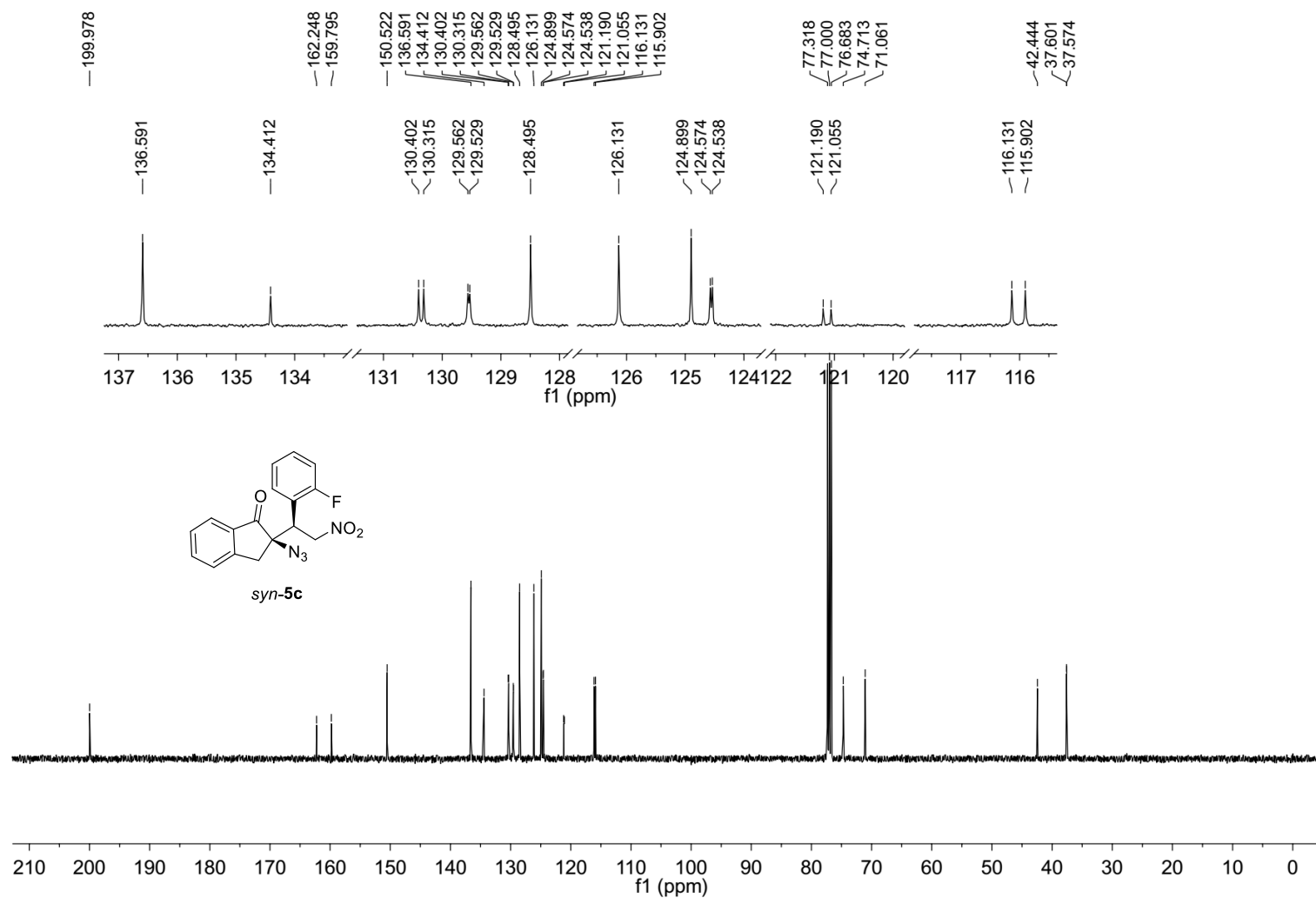


DPG-DD-93-2-2 F 376 MHz

—114.612

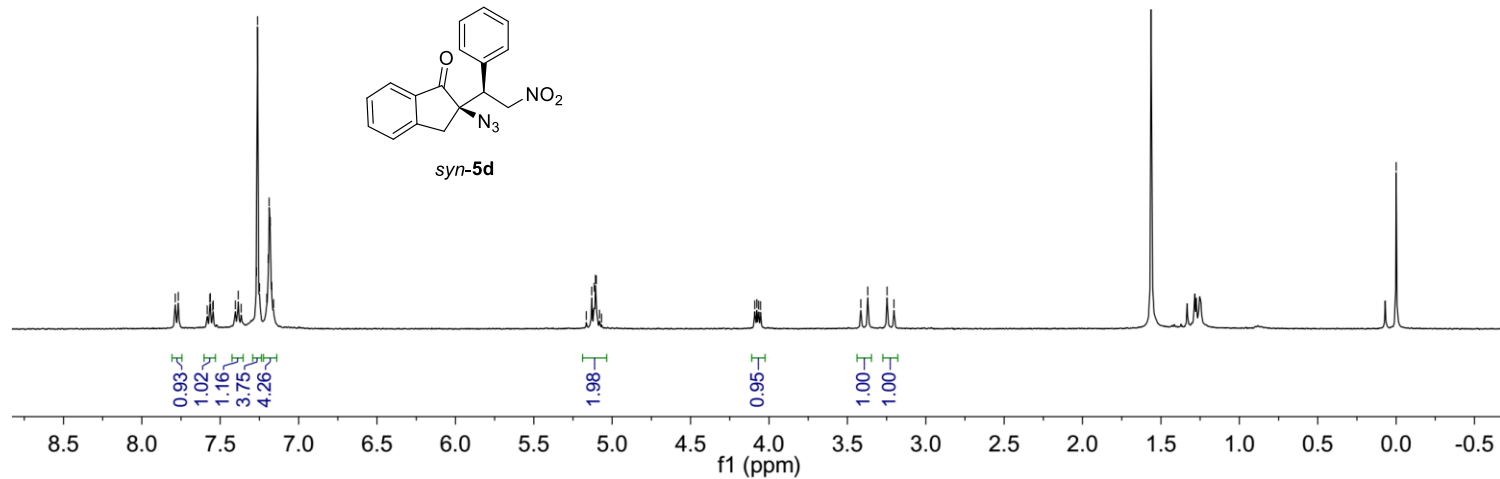
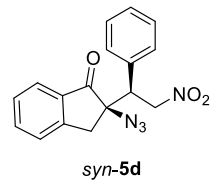
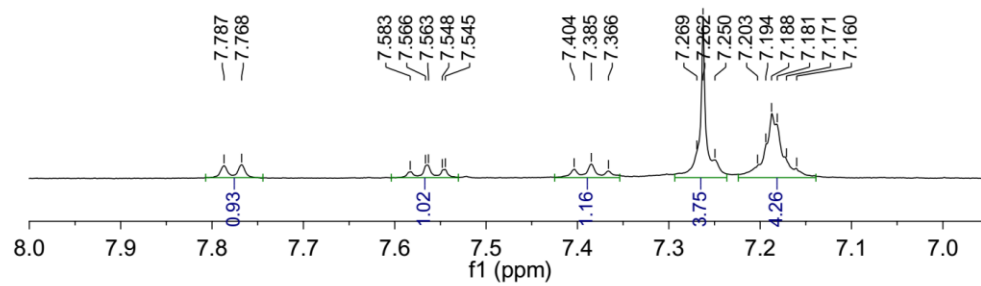


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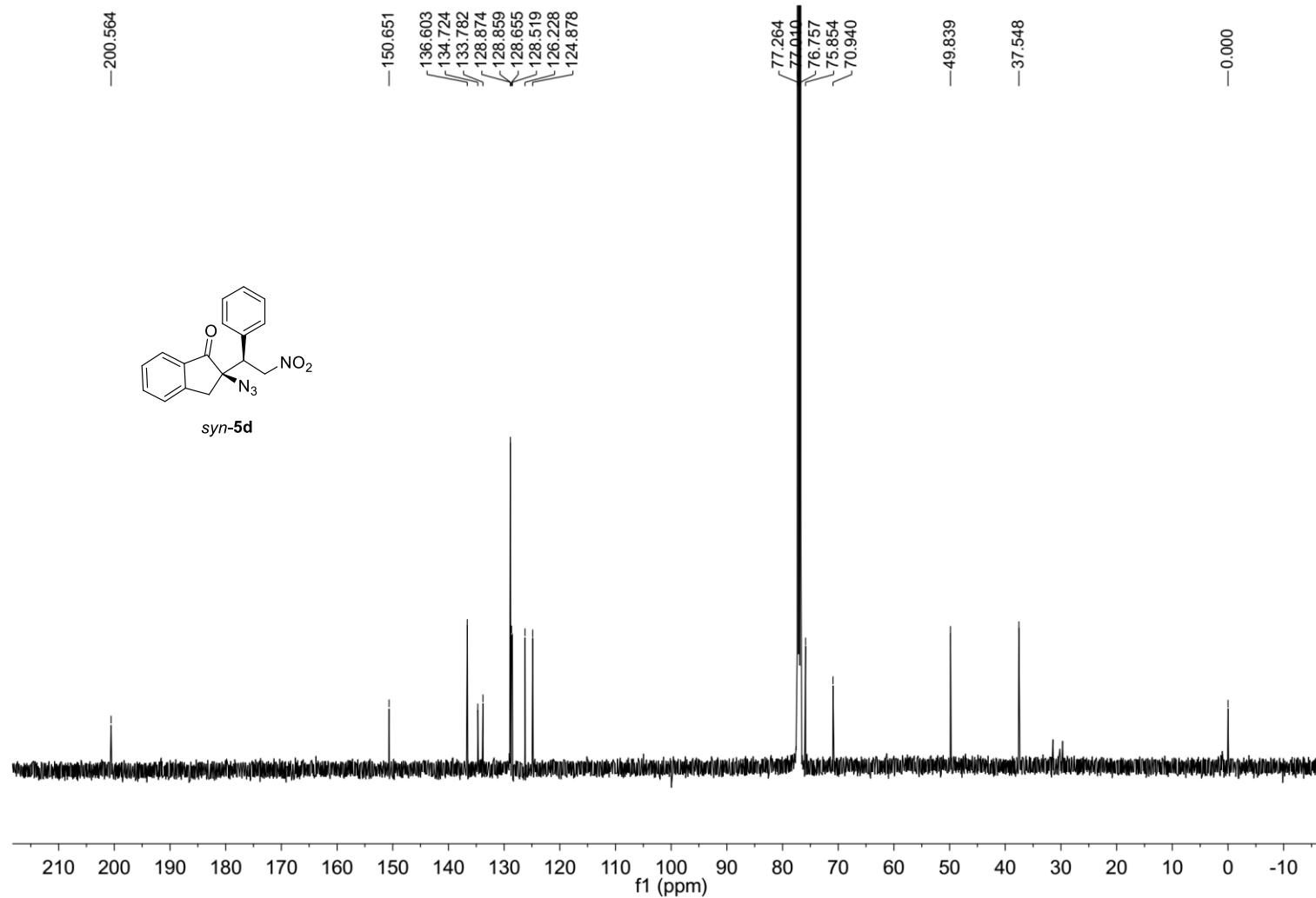


PG-DD-61-4 H 400 MHz

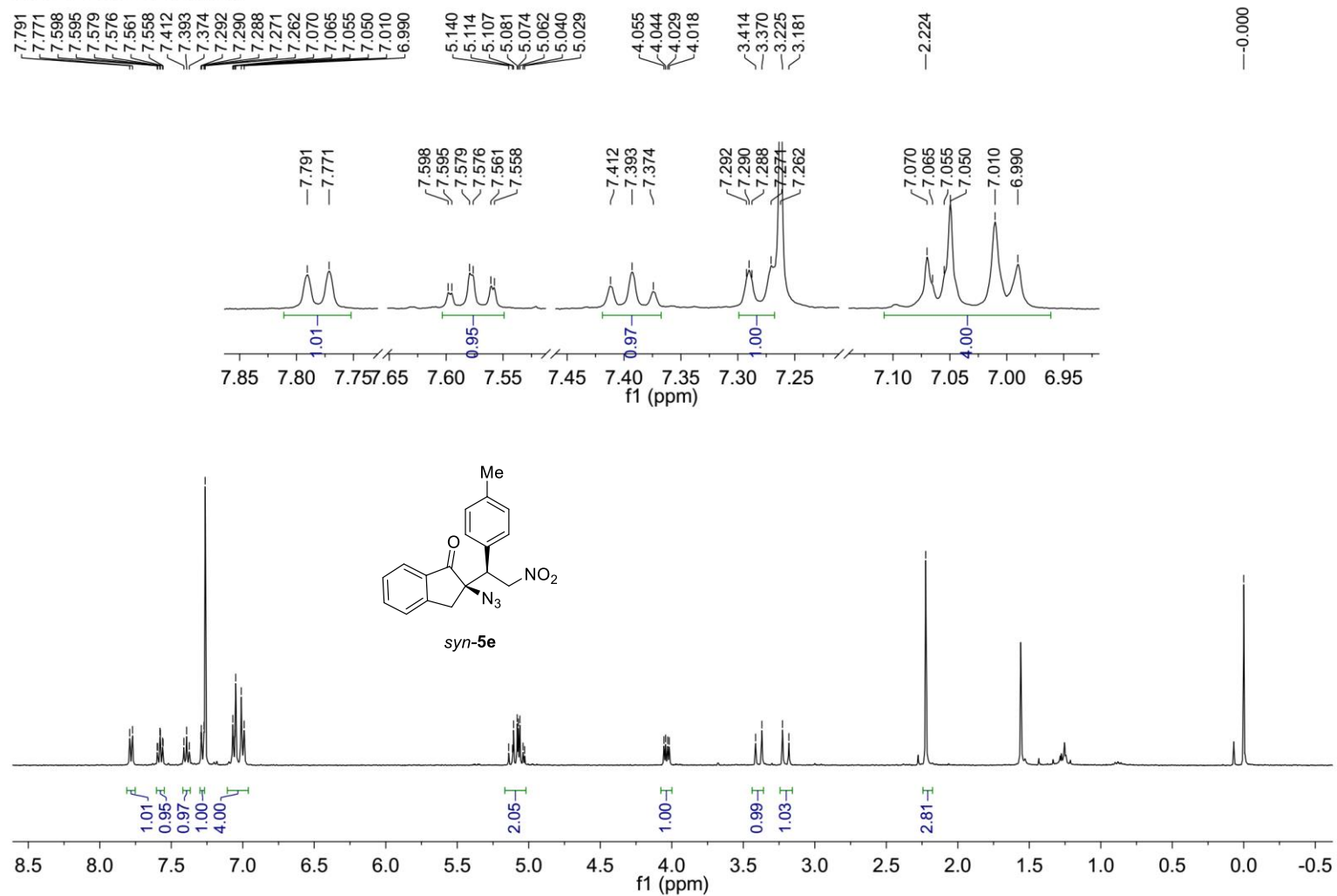
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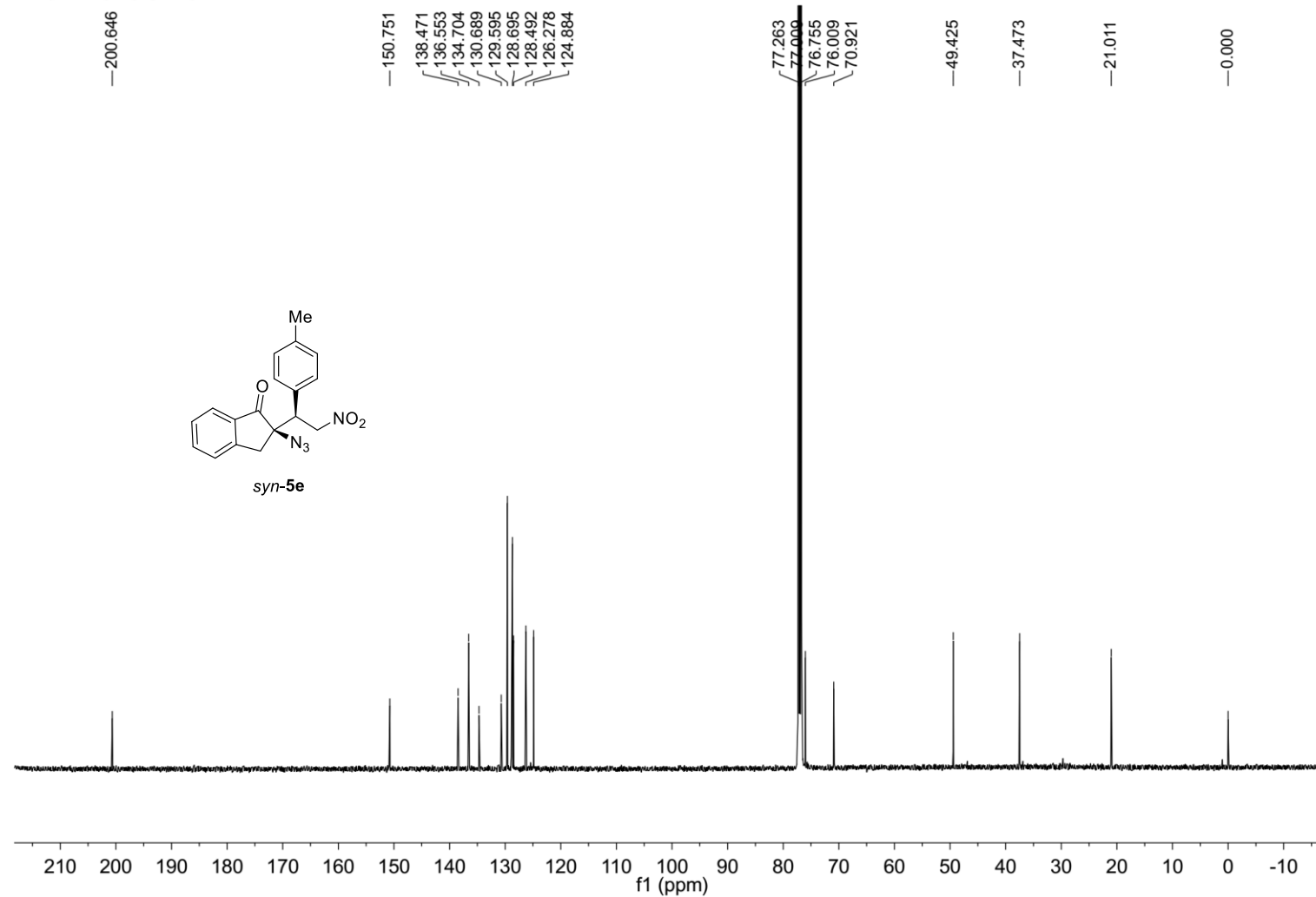
DPG-DD-61-4 125 MHz



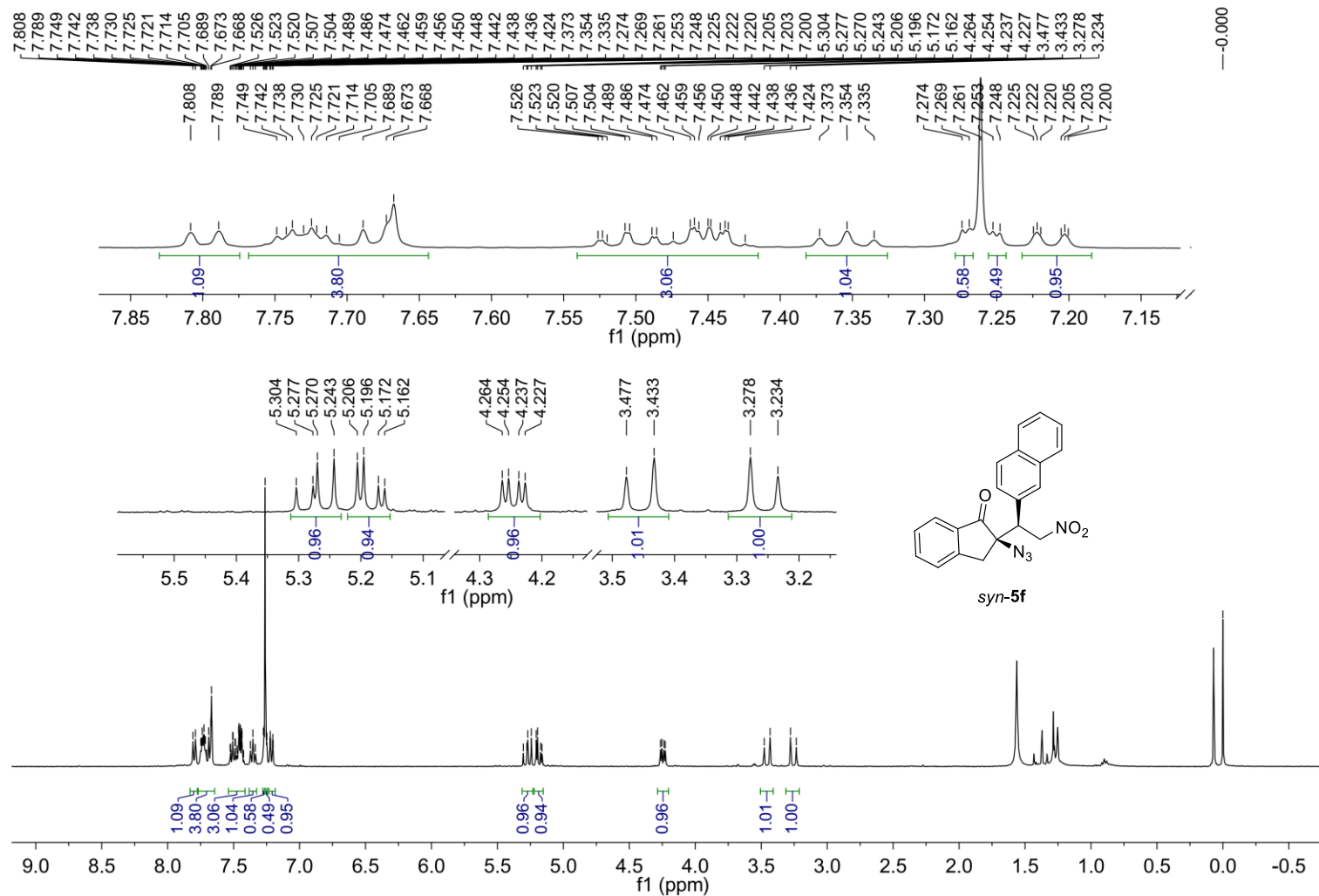
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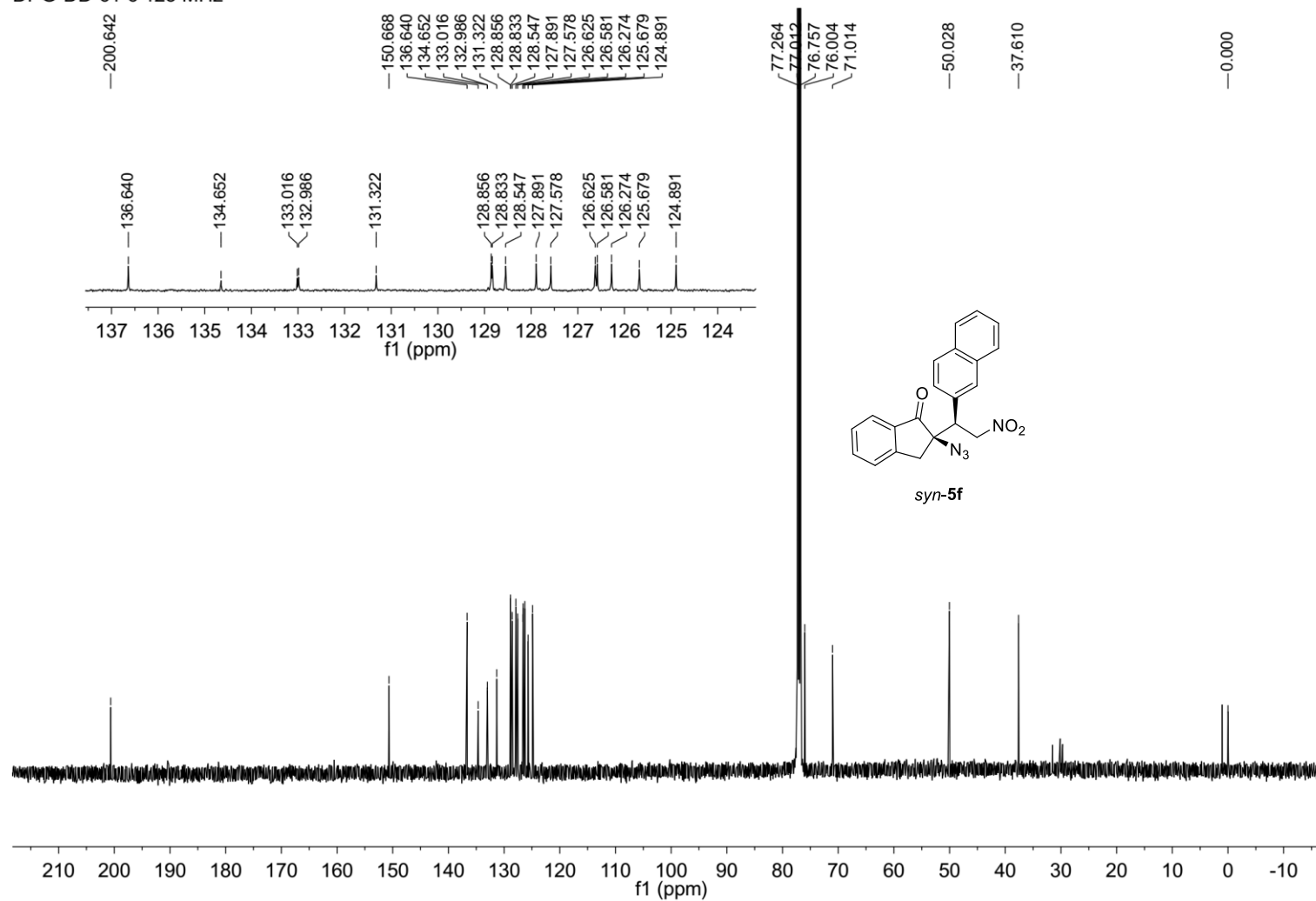
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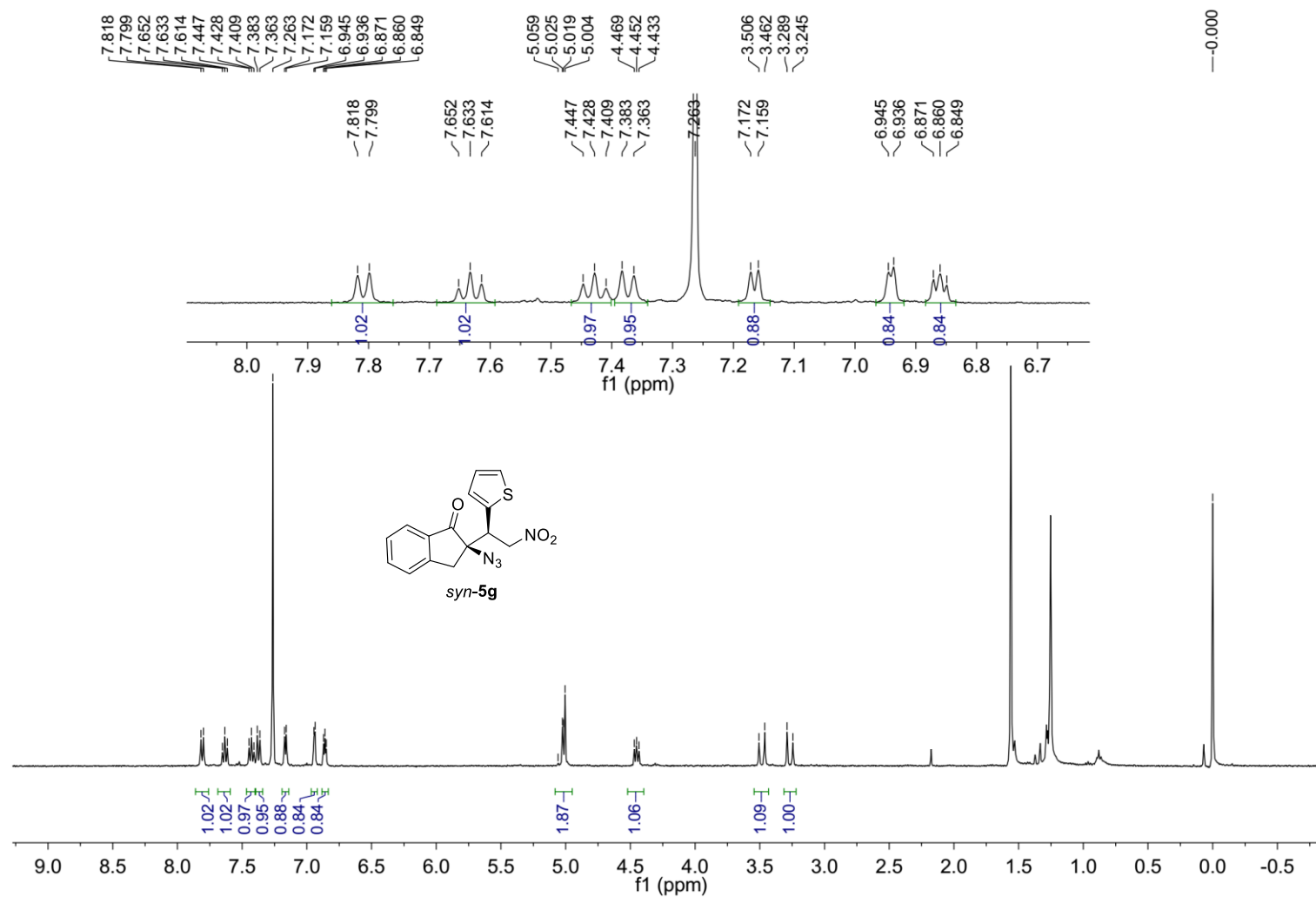
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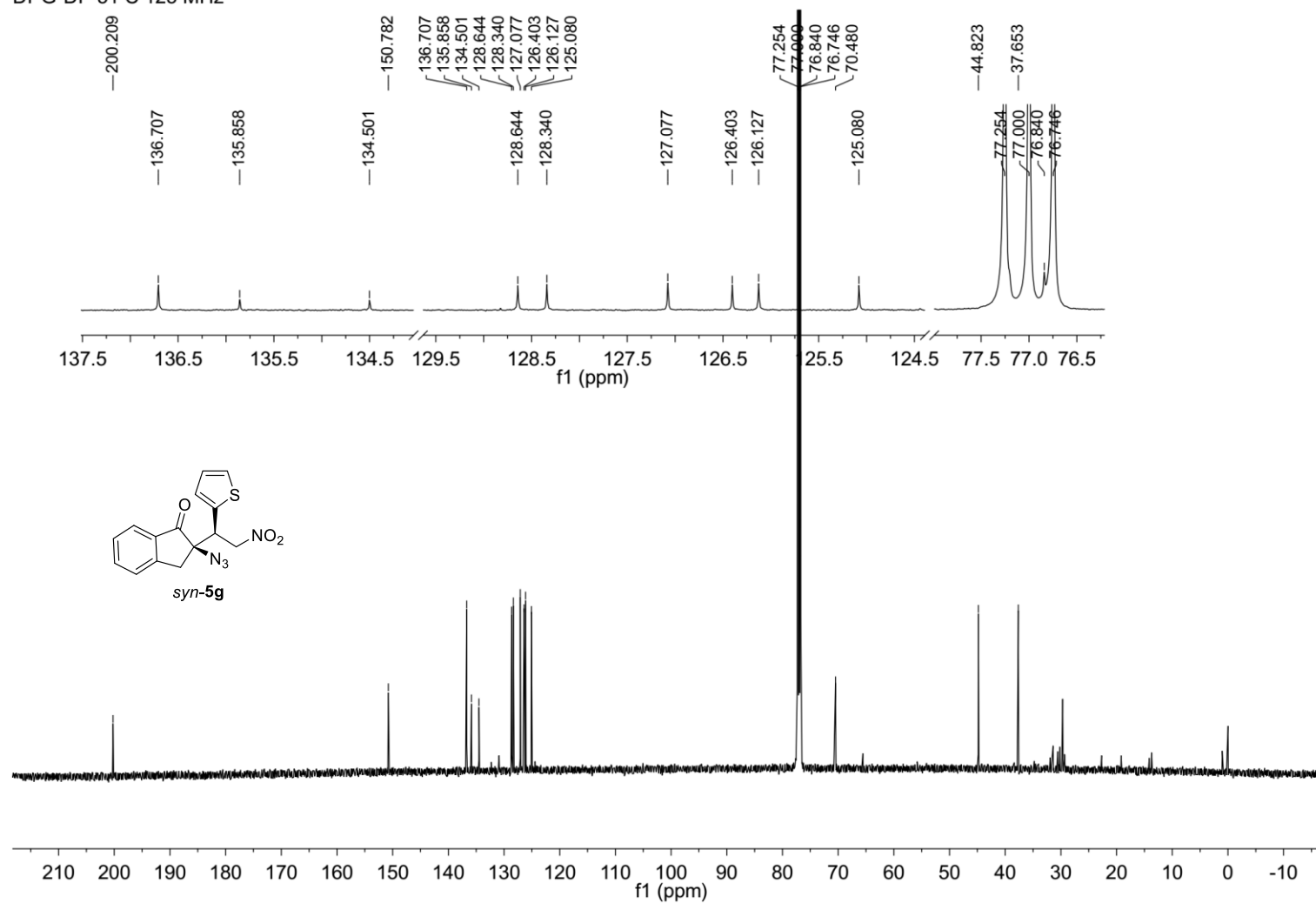
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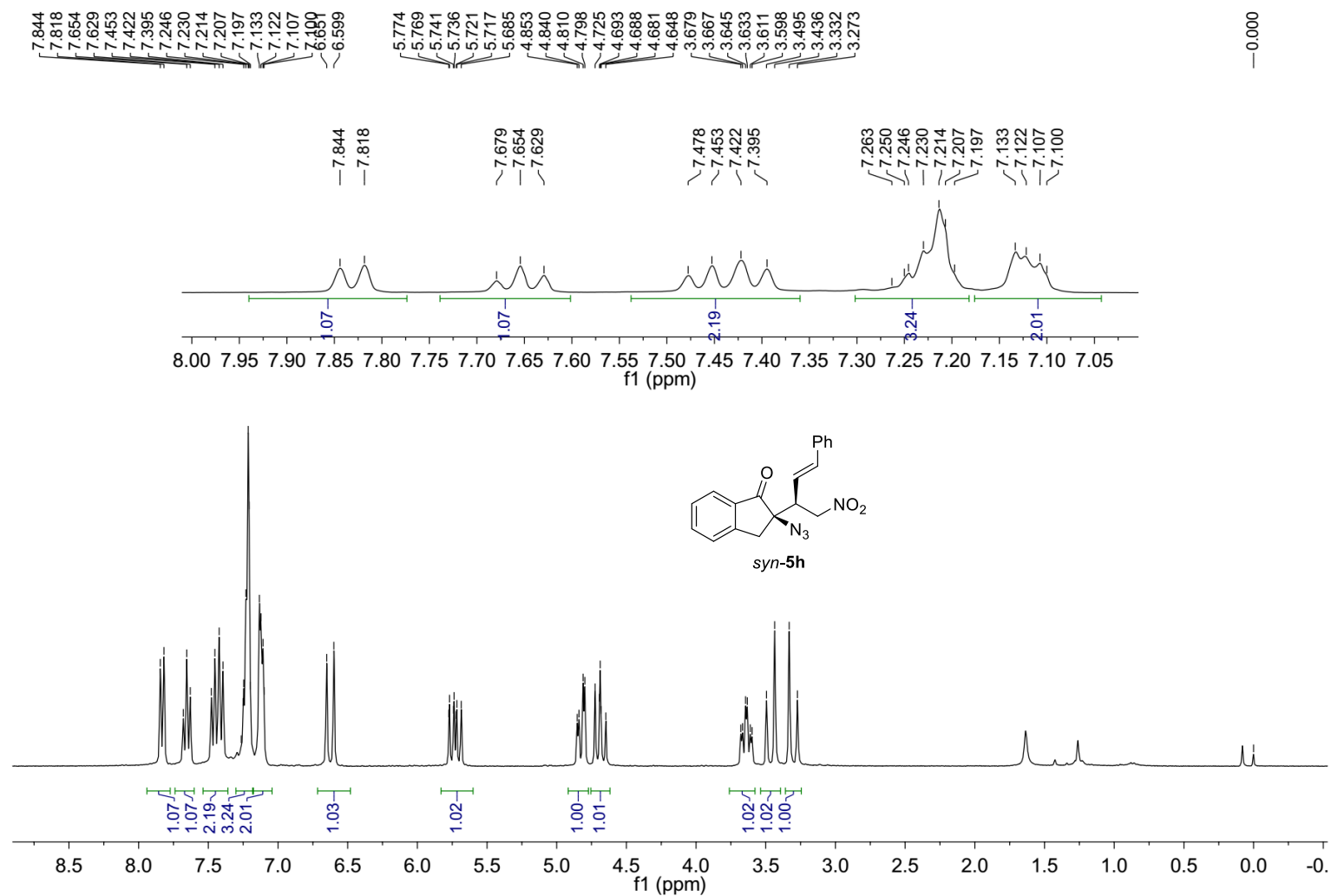
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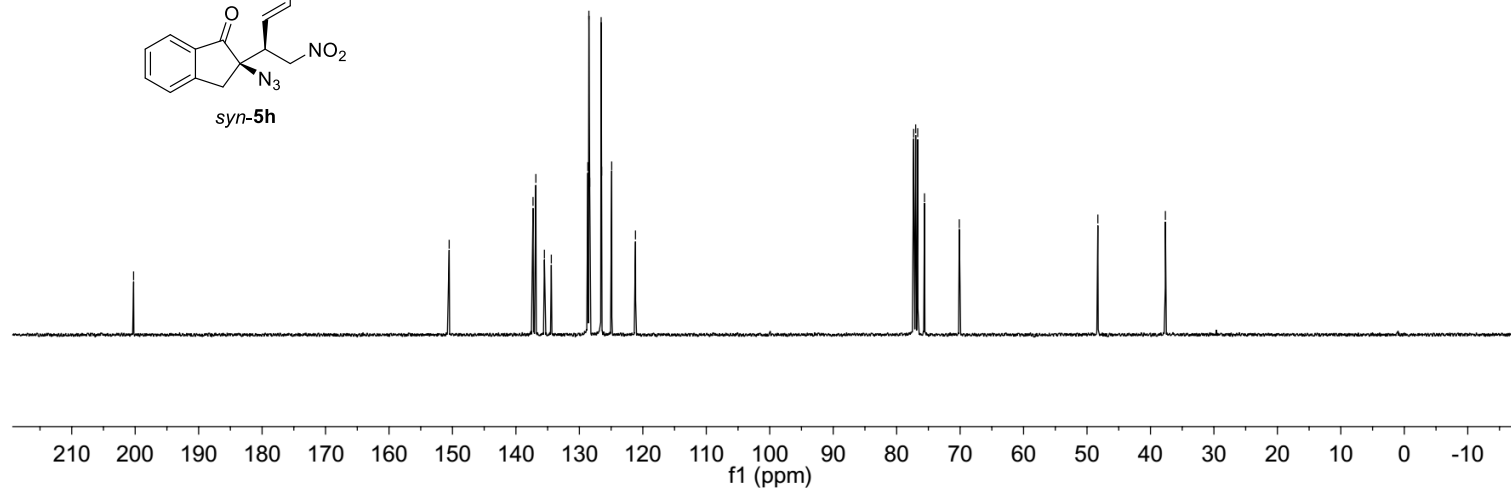
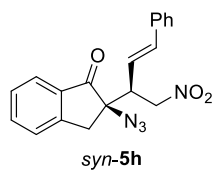
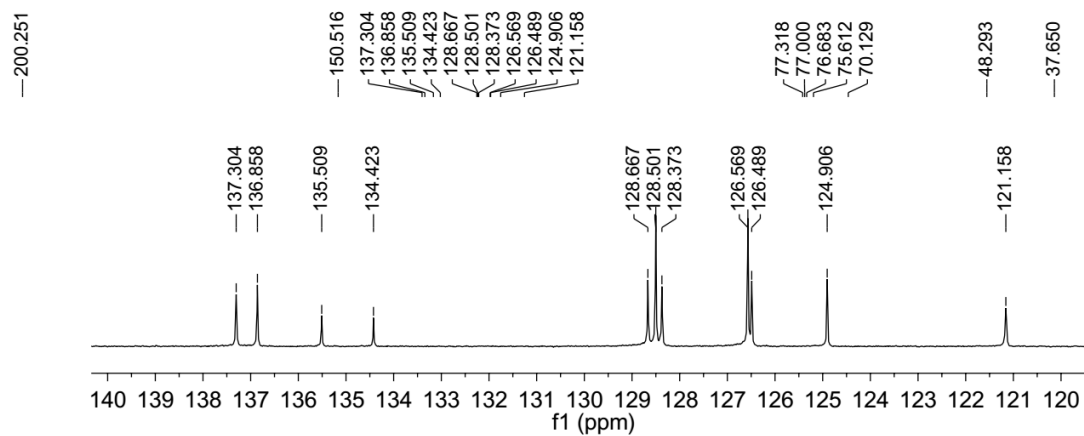
DPG-DF-51 C 125 MHz



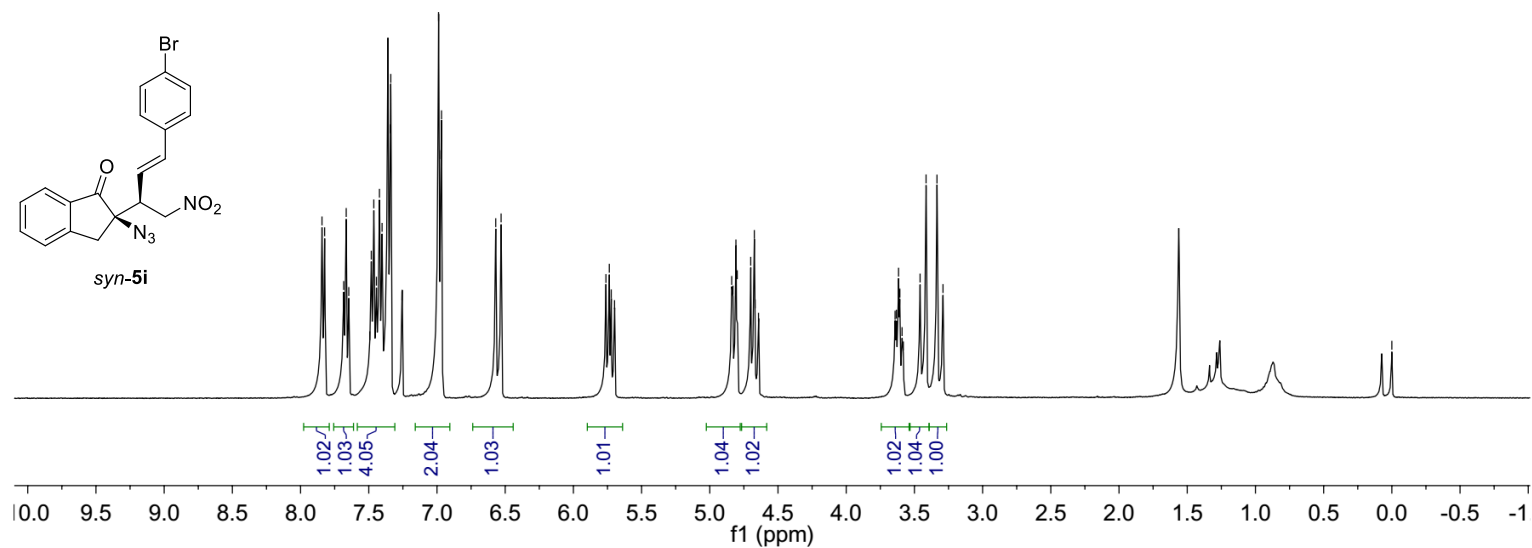
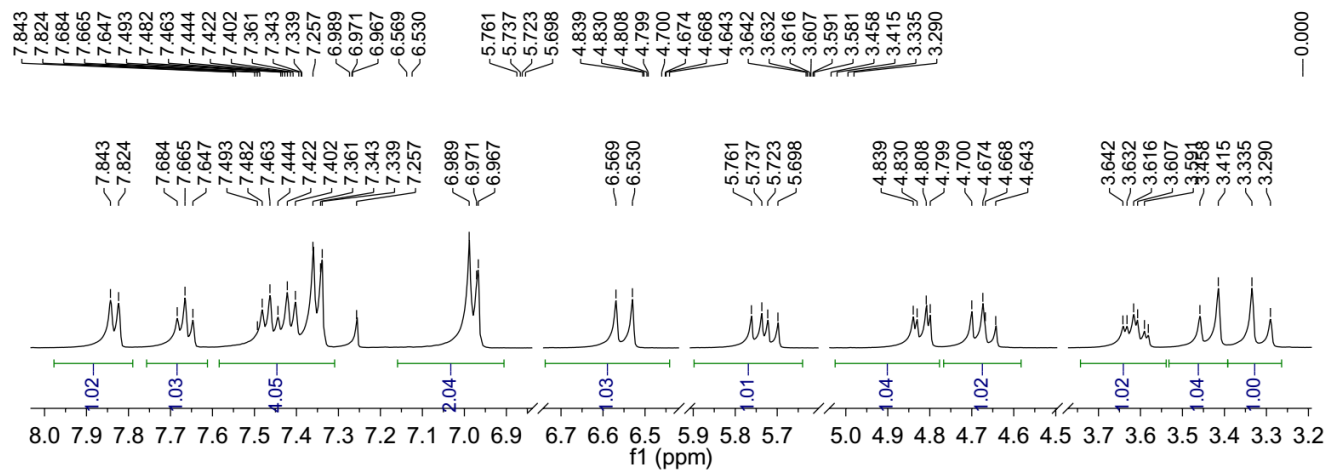
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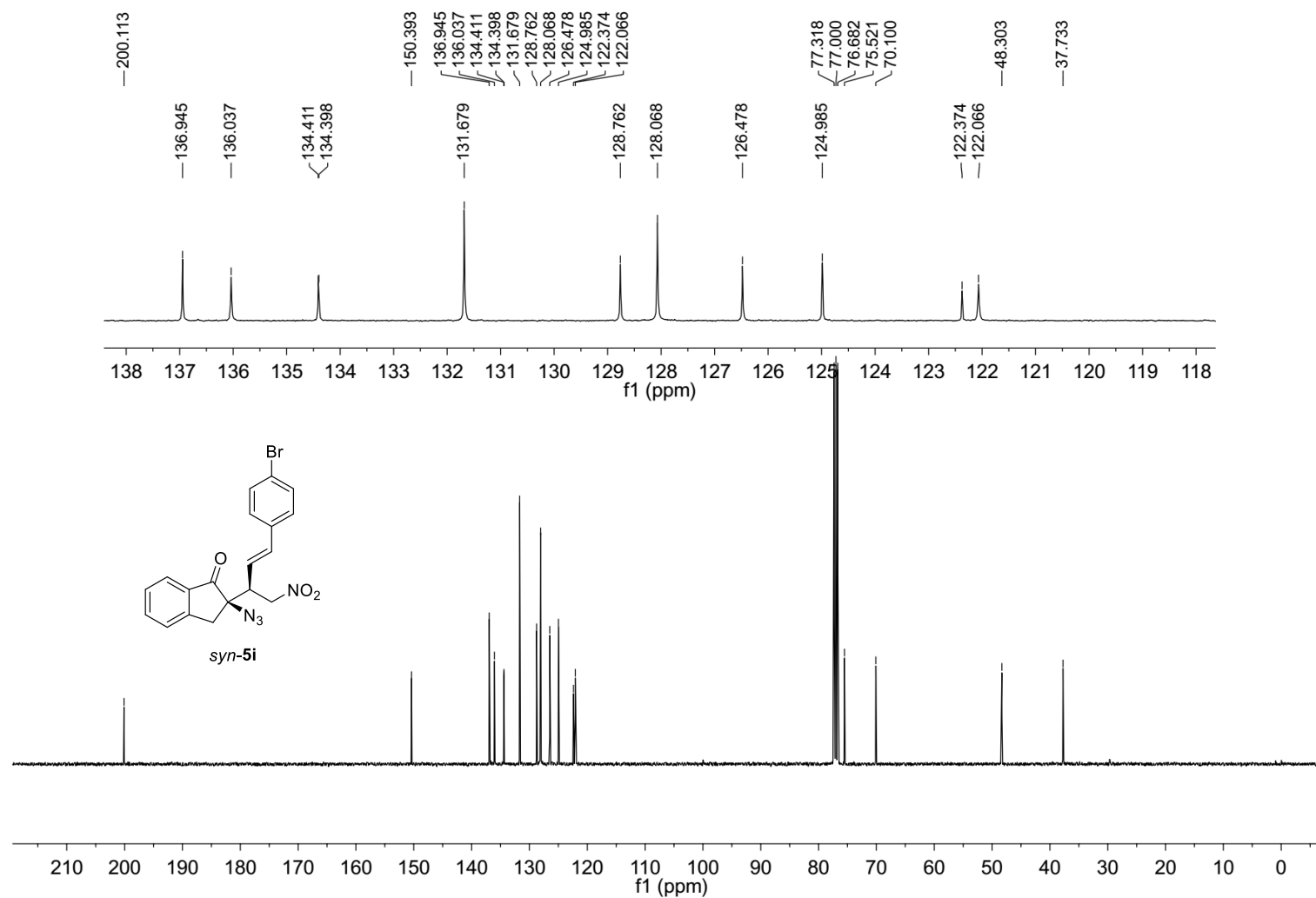
DPG-DD-53-1-3 C 100 MHz



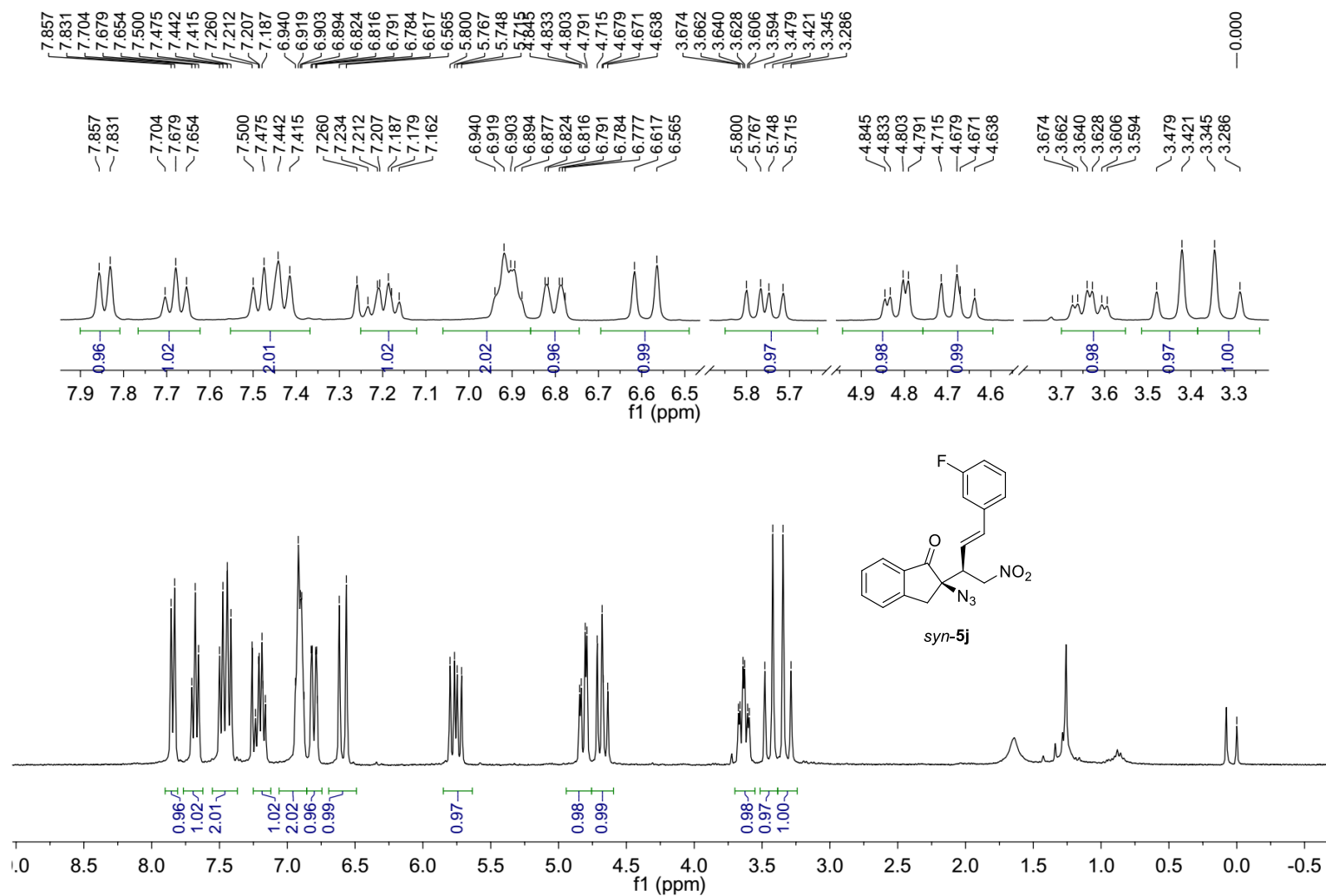
DPG-DD-61-1-4 H 400 MHz



DPG-DD-61-1-4 C 100 MHz

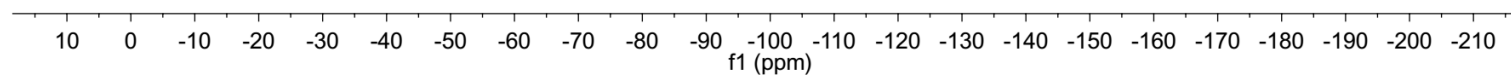
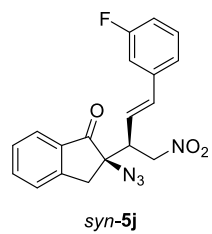


DPG-DD-53-4 H 300 MHz

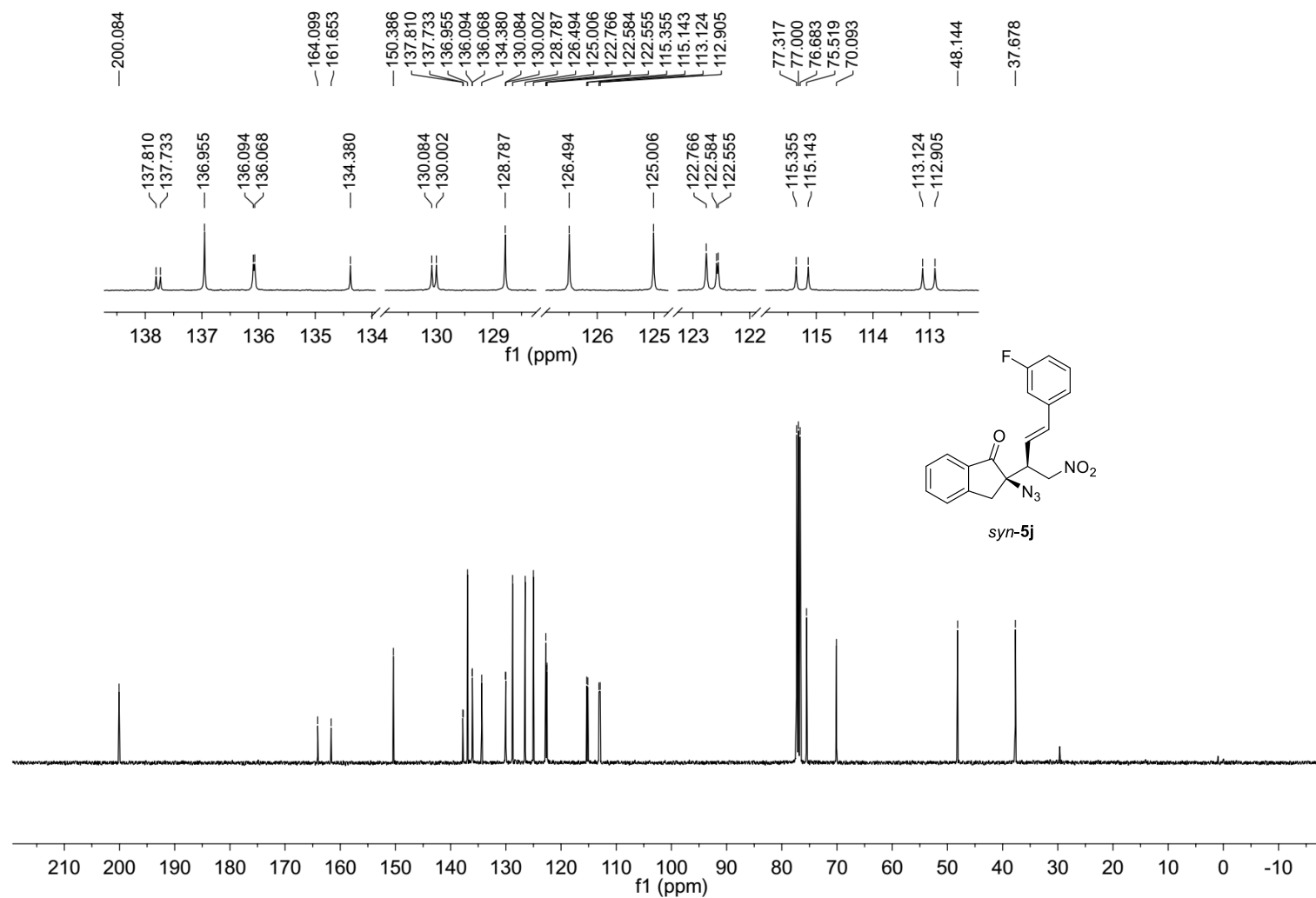


DPG-DD-53-4 F 282 MHz

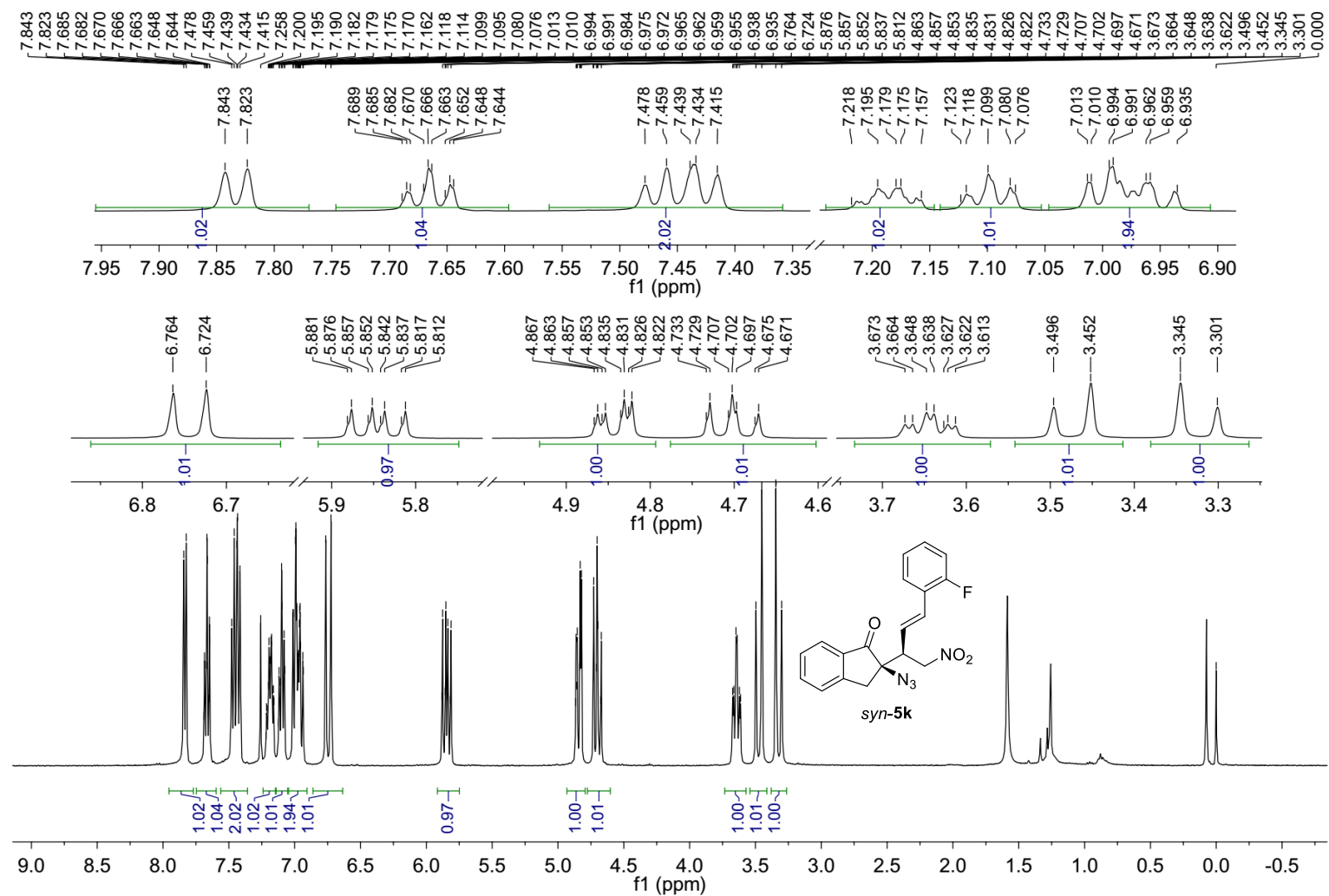
—113.106



DPG-DD-53-4-2 C 100 MHz

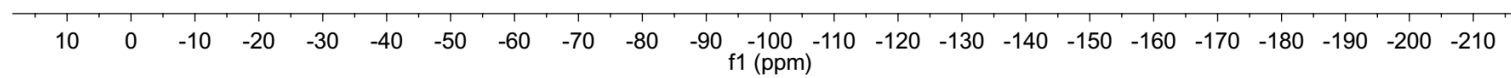
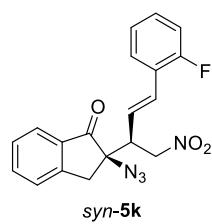


DPG-DD-53-3-2 H 400 MHz

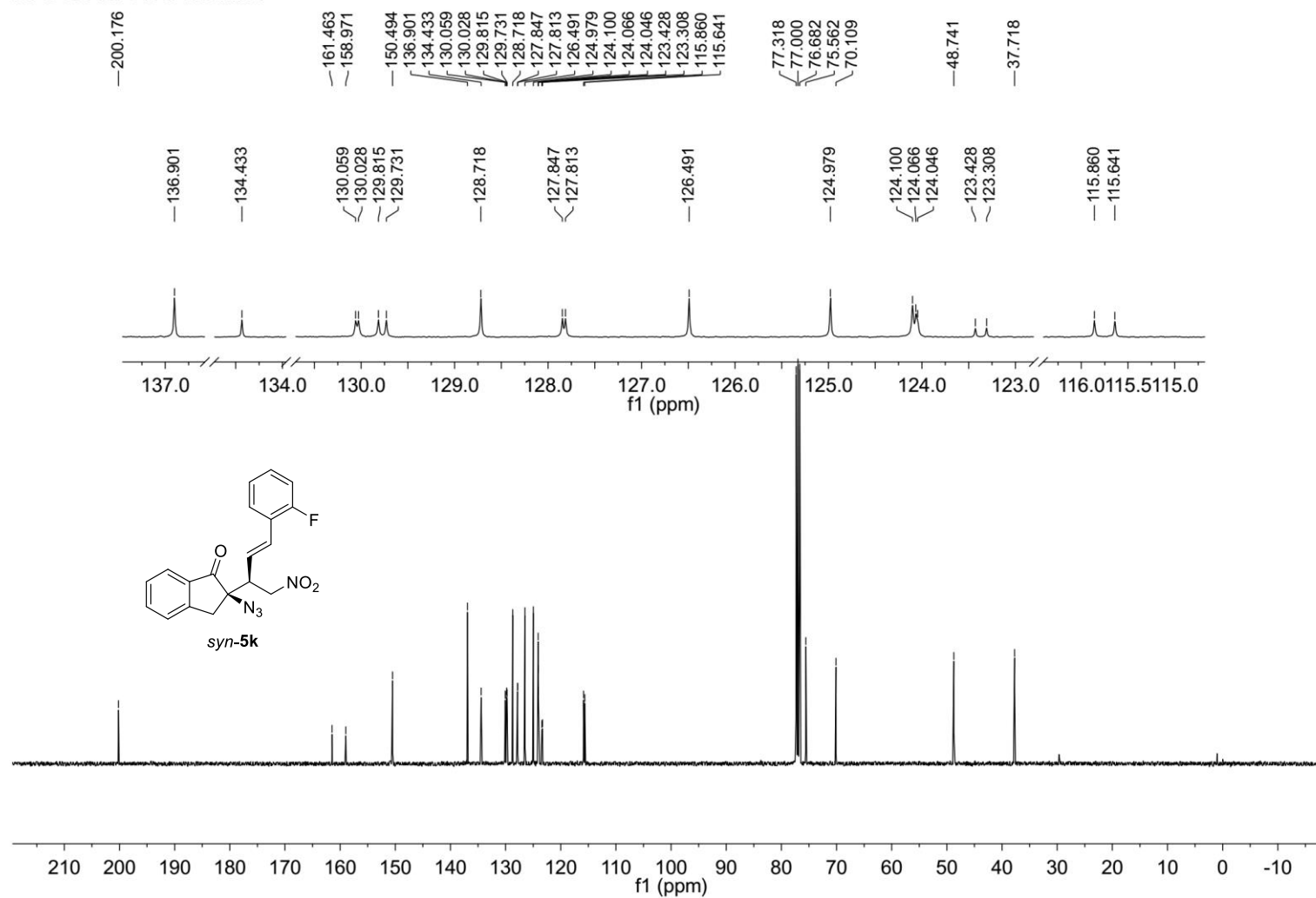


DPG-DD-53-3-2 F 376 MHz

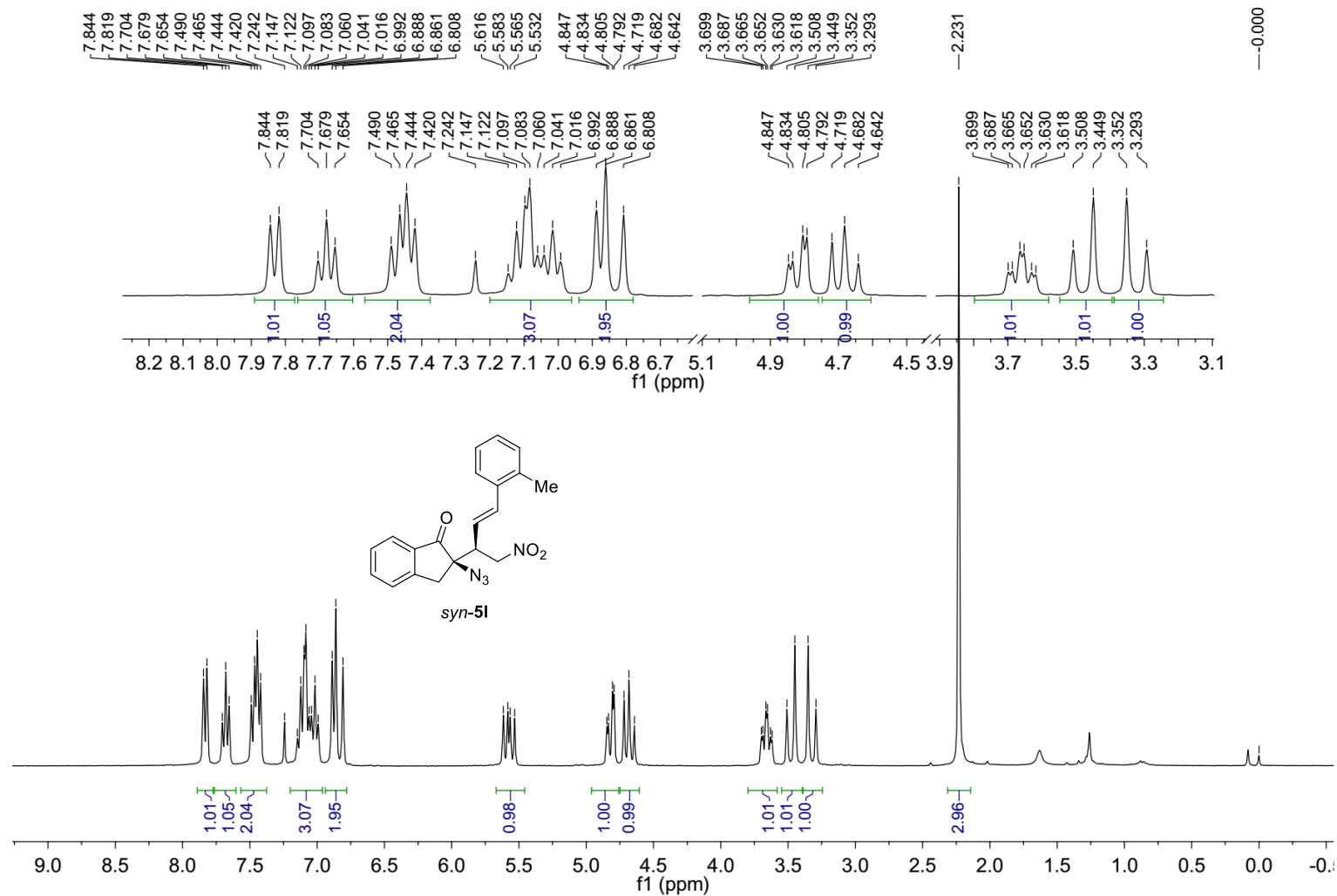
—117.060



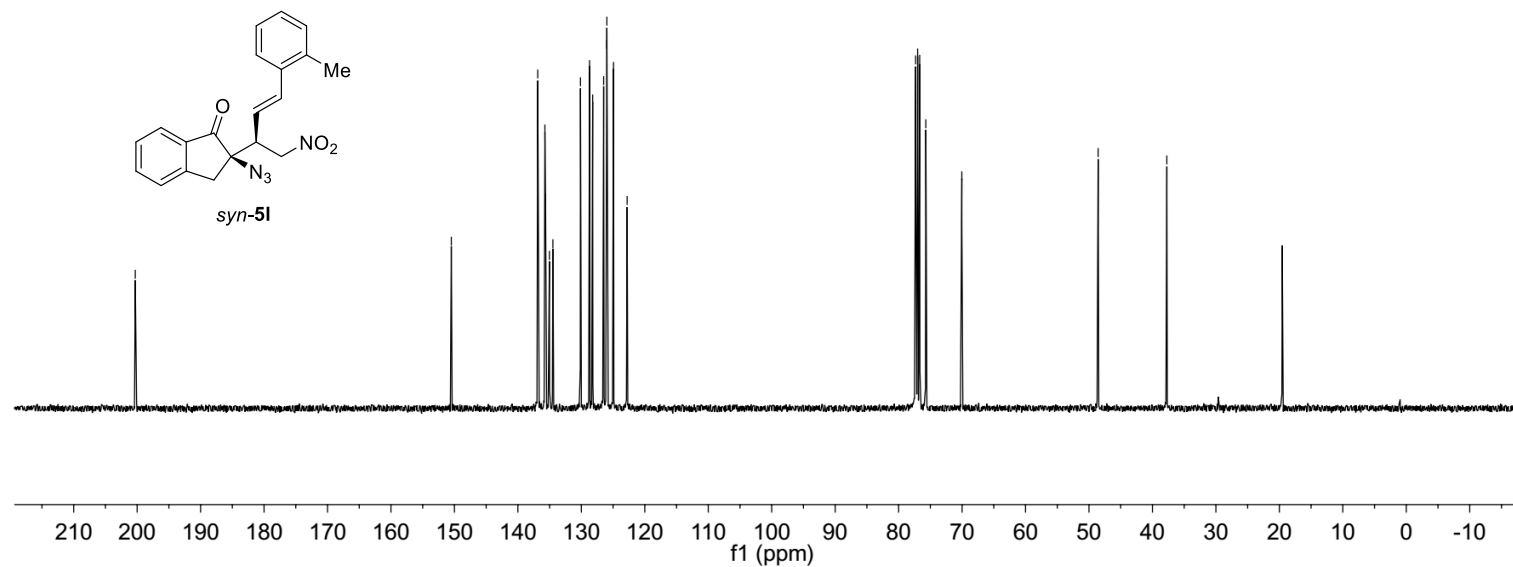
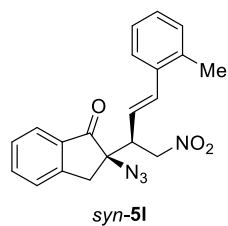
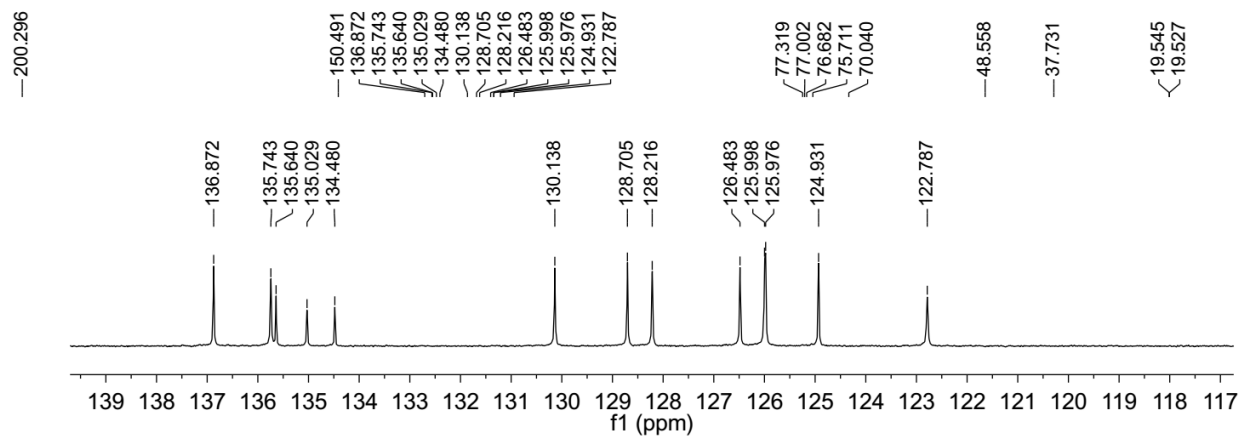
DPG-DD-53-3-2 C 100 MHz



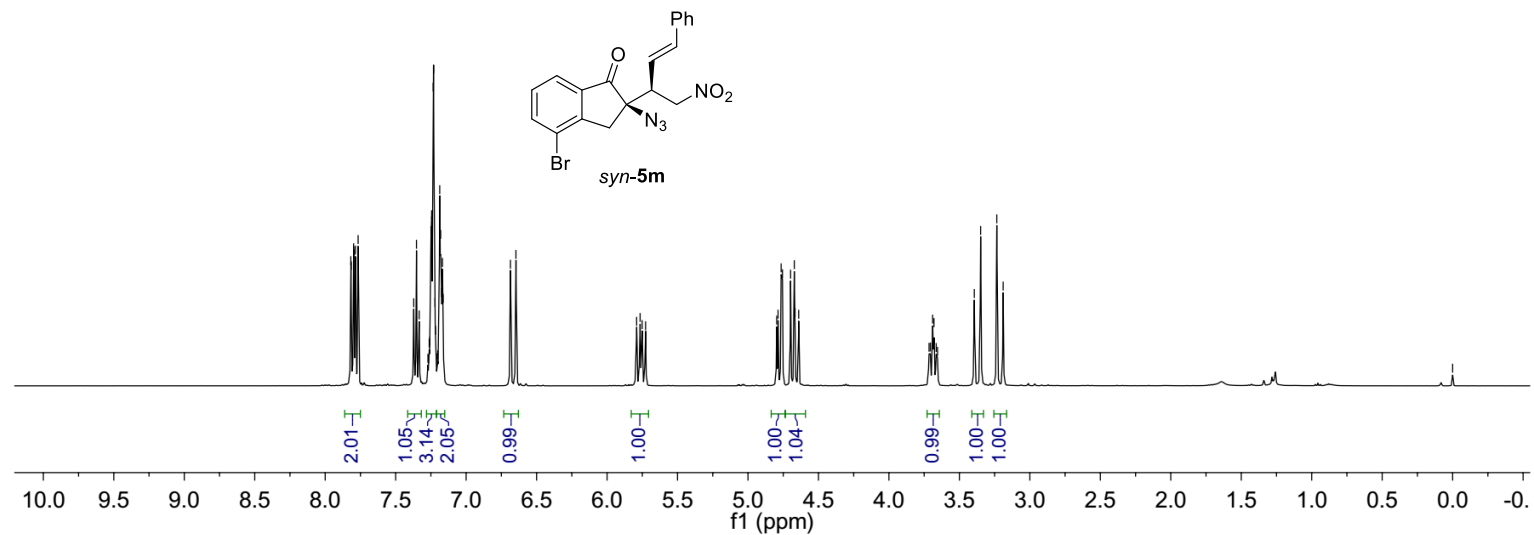
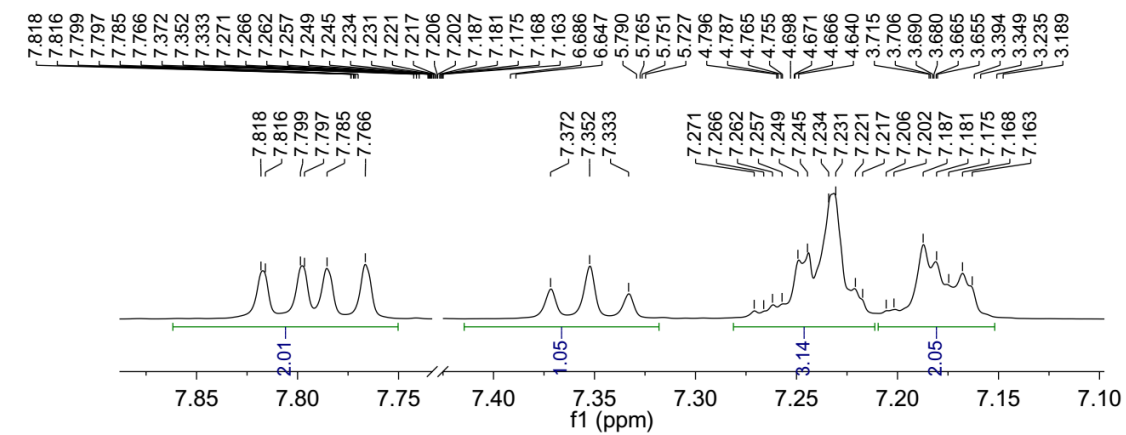
DPG-DD-53-2 H 300 MHz



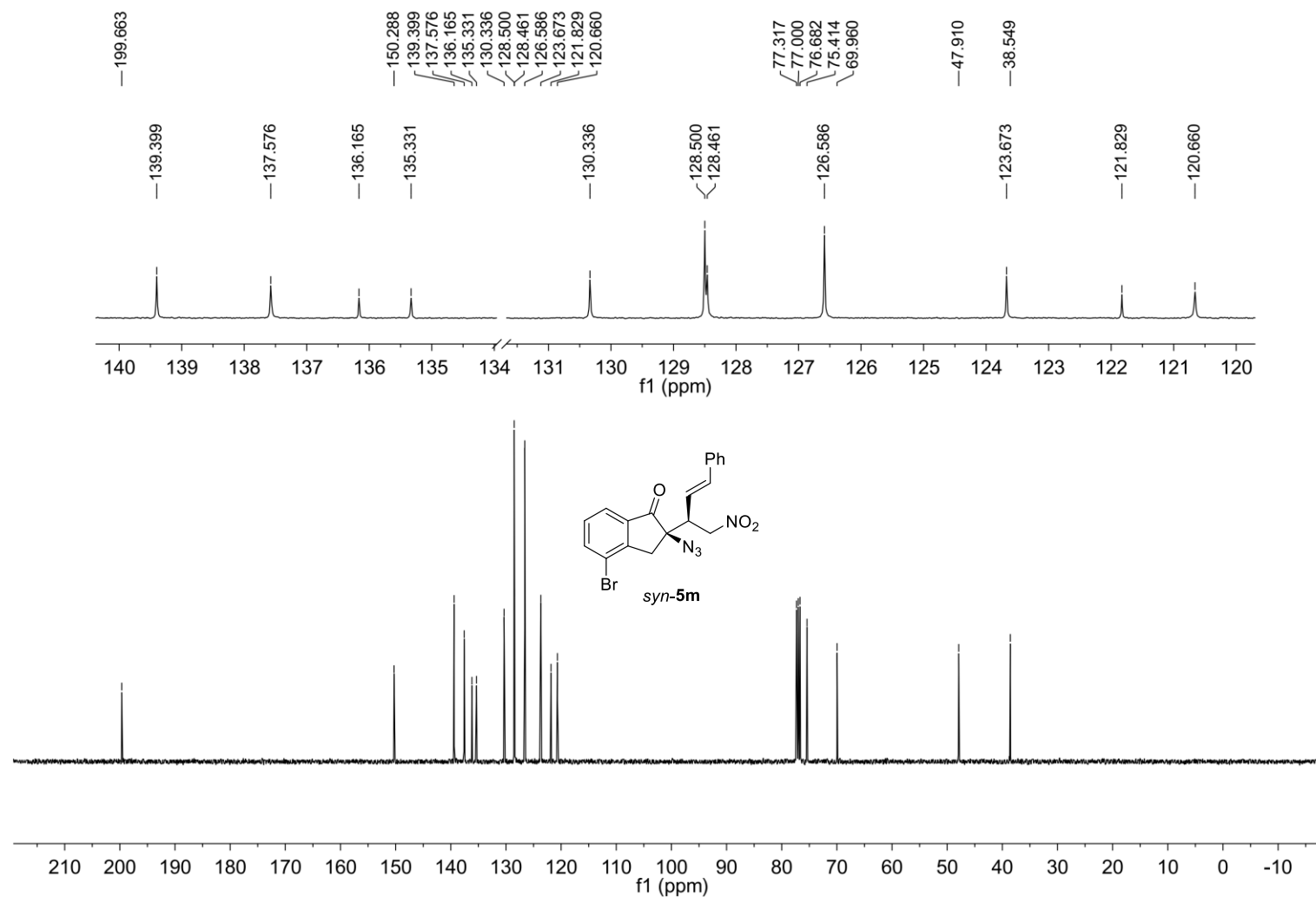
DPG-DD-53-2-2 C 100 MHz



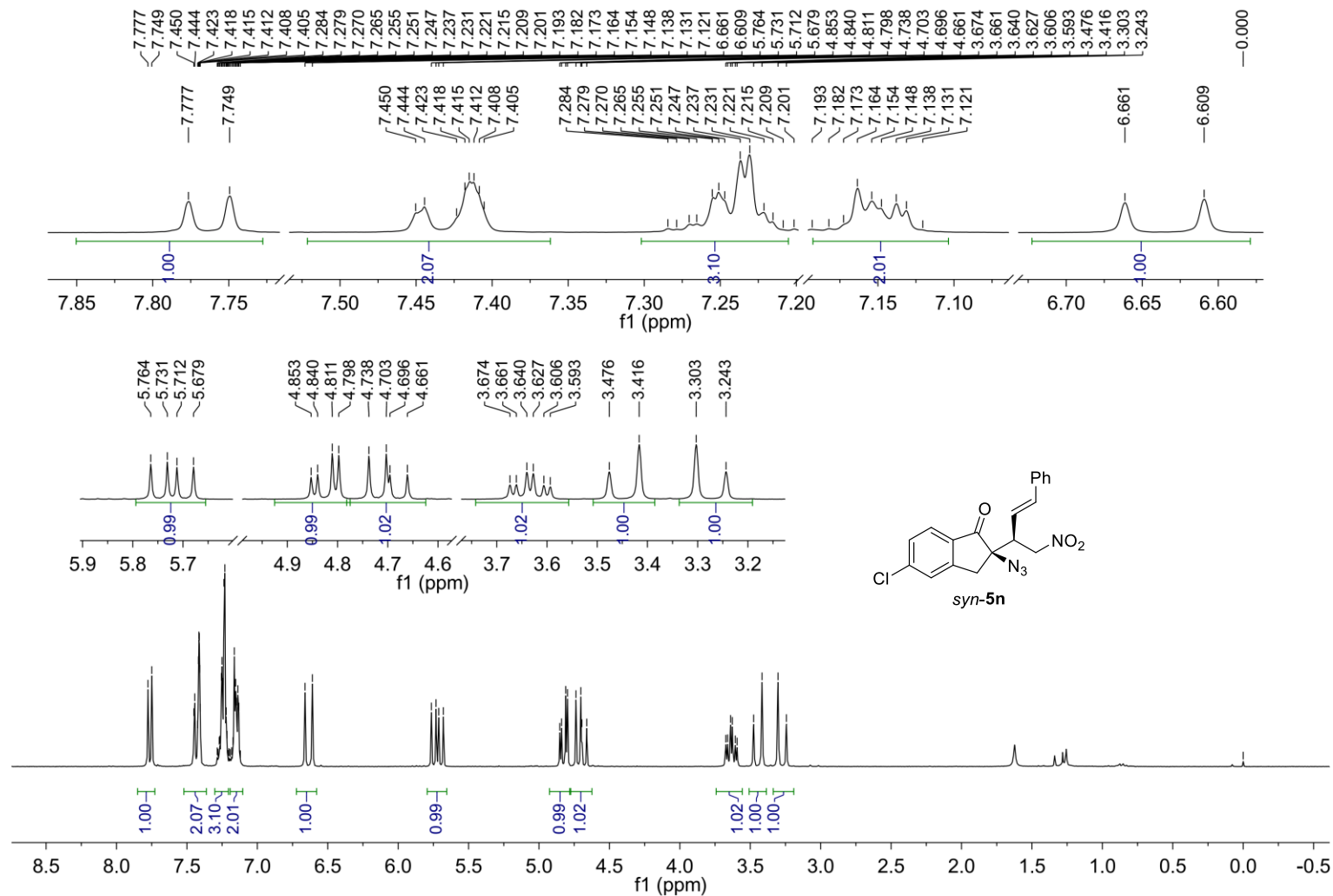
DPG-DE-49-2-3 H 400 MHz



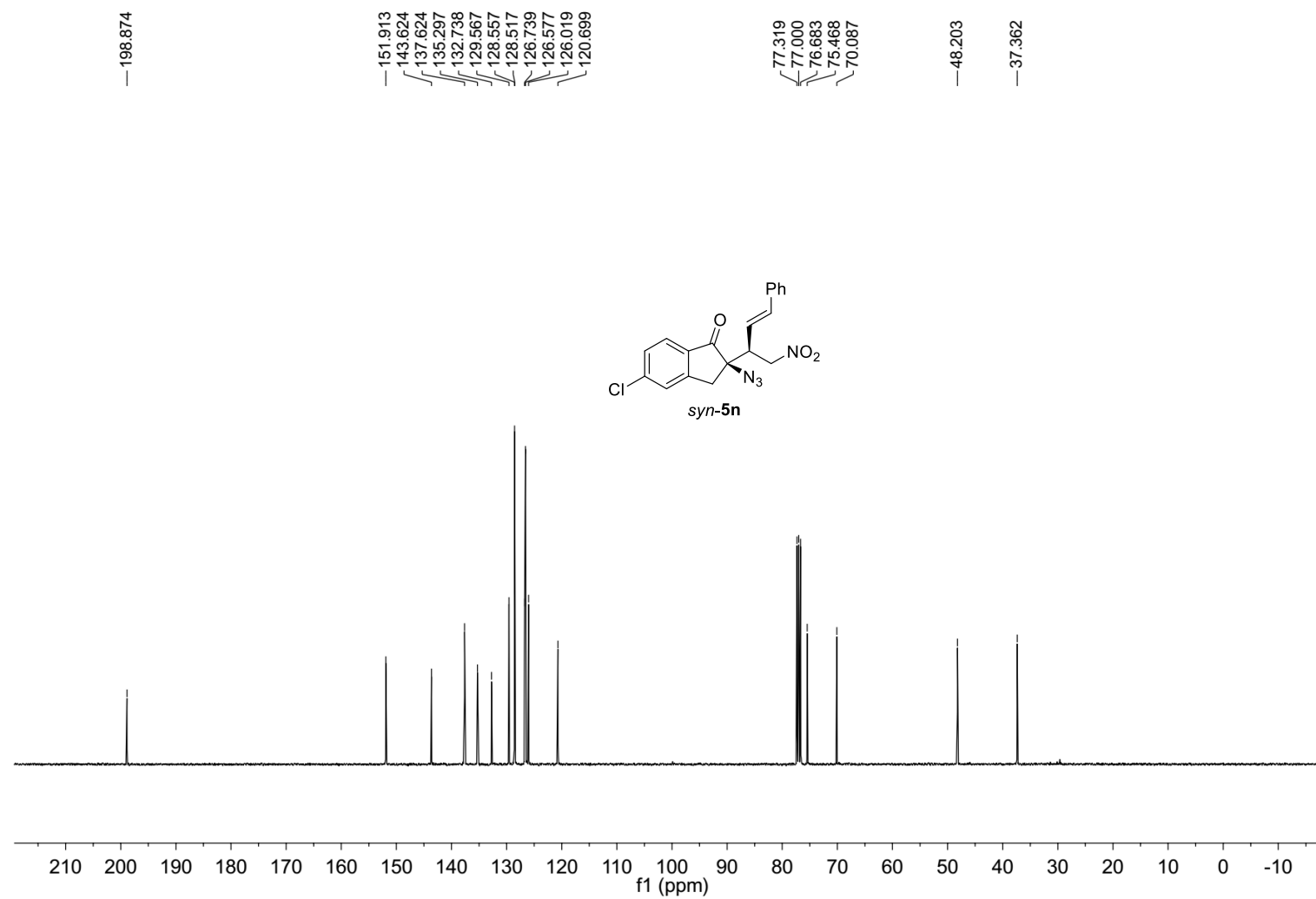
DPG-DE-49-2-3 C 100 MHz



DPG-DE-49-4-3 H 300 MHz

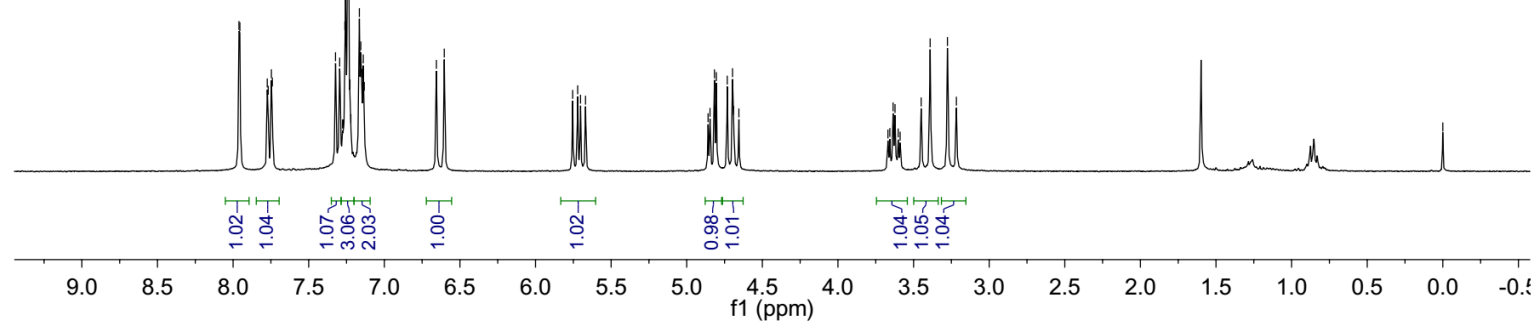
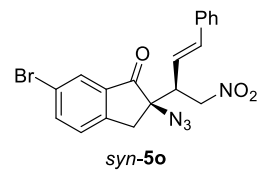
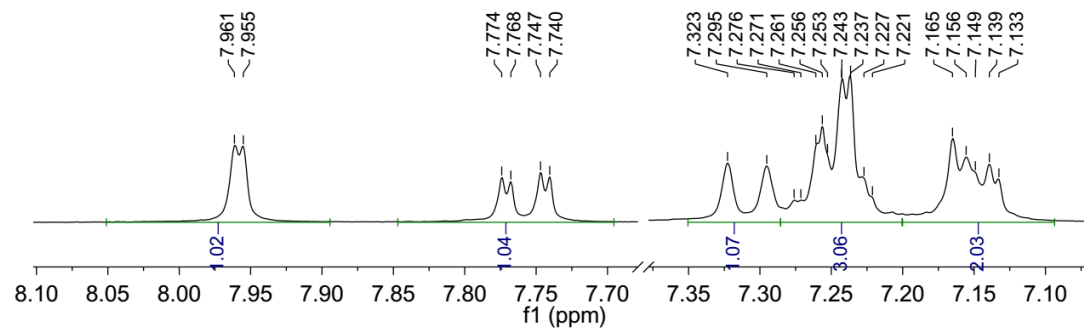


DPG-DE-49-4 C 100 MHz

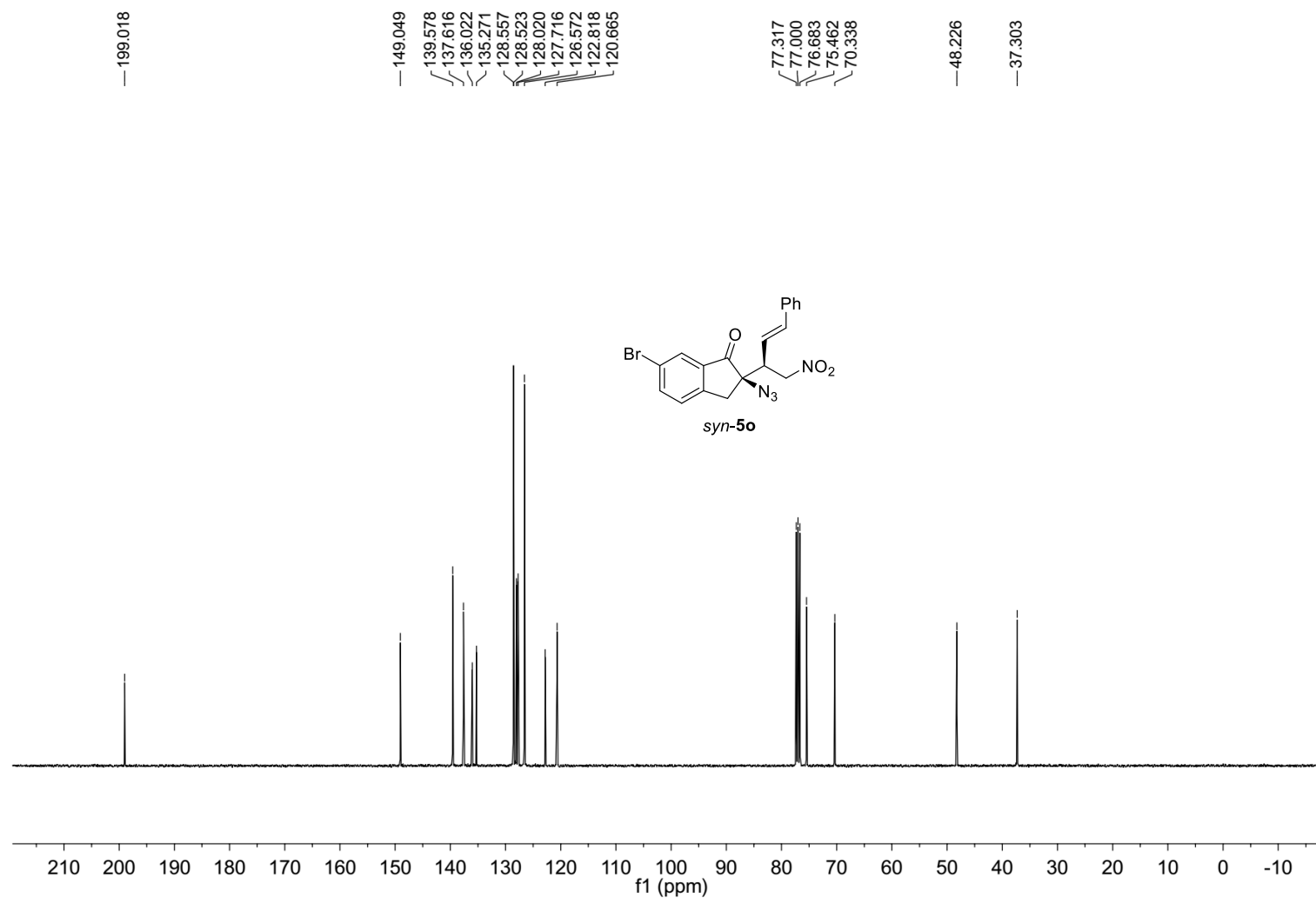


DPG-DE-49-1-2 H 300 MHz

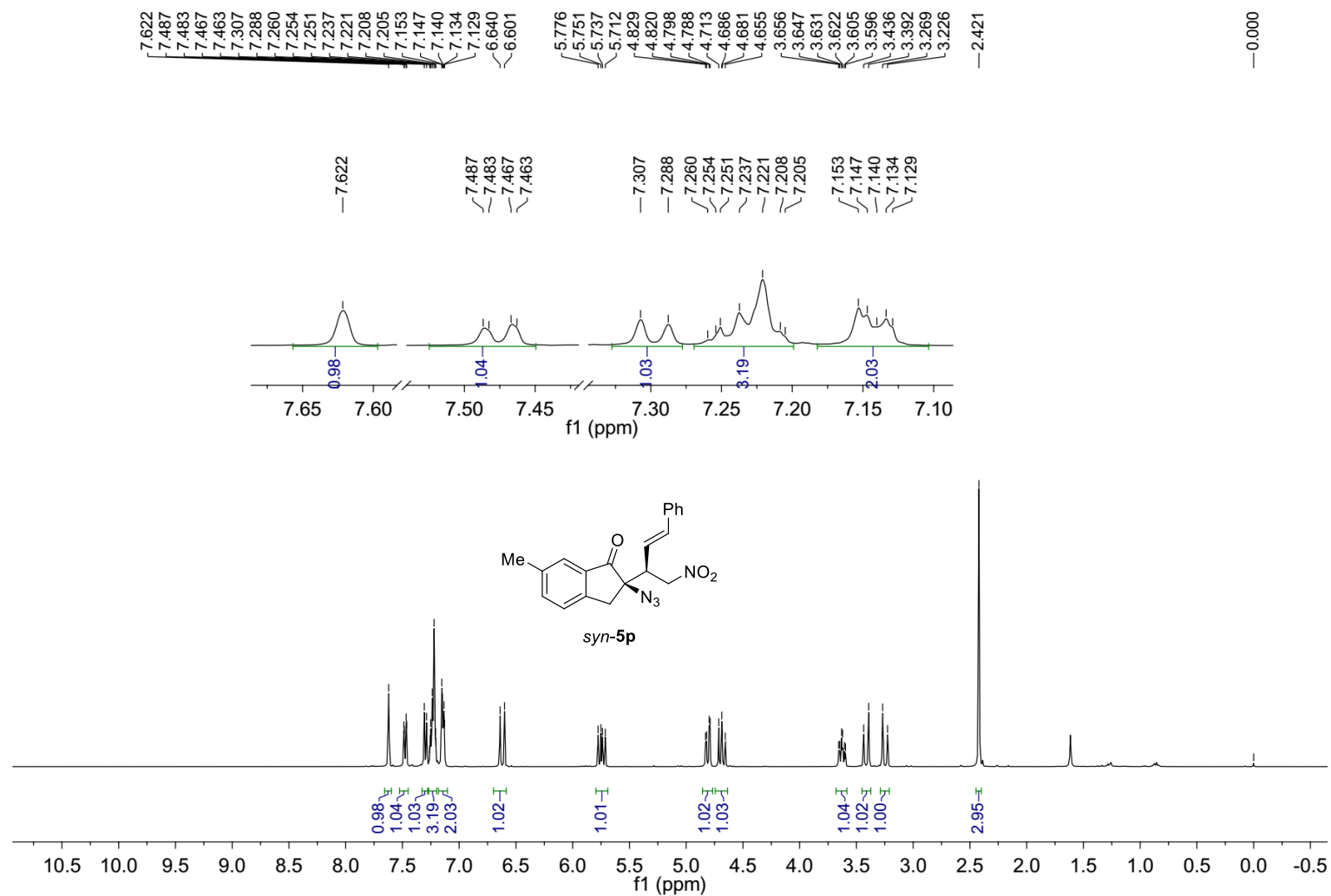
7.961 7.955 7.774 7.768 7.747 7.740 7.323 7.295 7.276 7.271 7.261 7.256 7.253 7.243 7.237 7.227 7.221 7.165 7.156 7.149 7.139 7.133 6.656 6.604 5.754 5.721 5.702 5.669 4.859 4.846 4.817 4.804 4.732 4.697 4.690 4.655 3.669 3.657 3.635 3.623 3.602 3.589 3.450 3.390 3.276 3.217 0.000



DPG-DE-49-1-2 C 100 MHz



DPG-DE-49-3-2 H 400 MHz



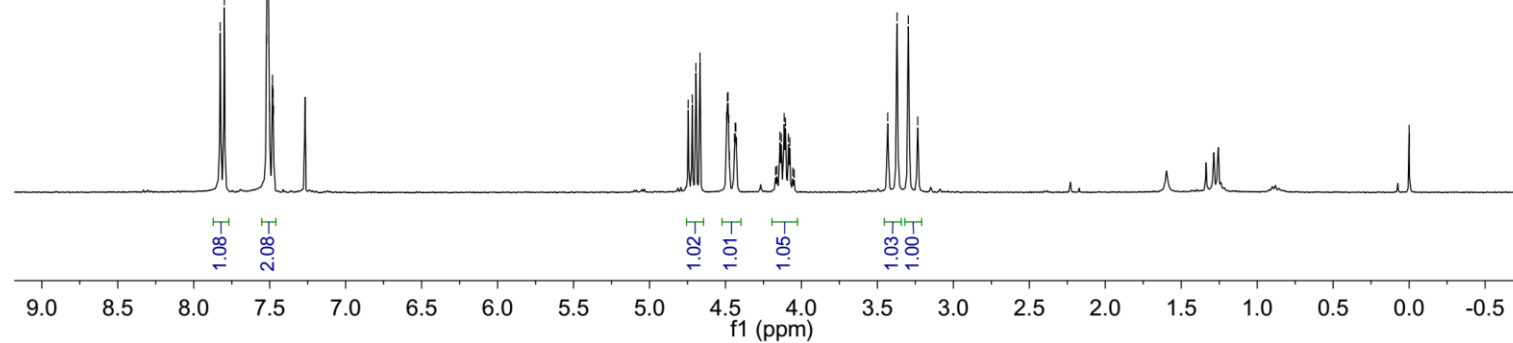
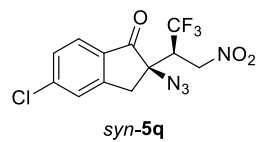
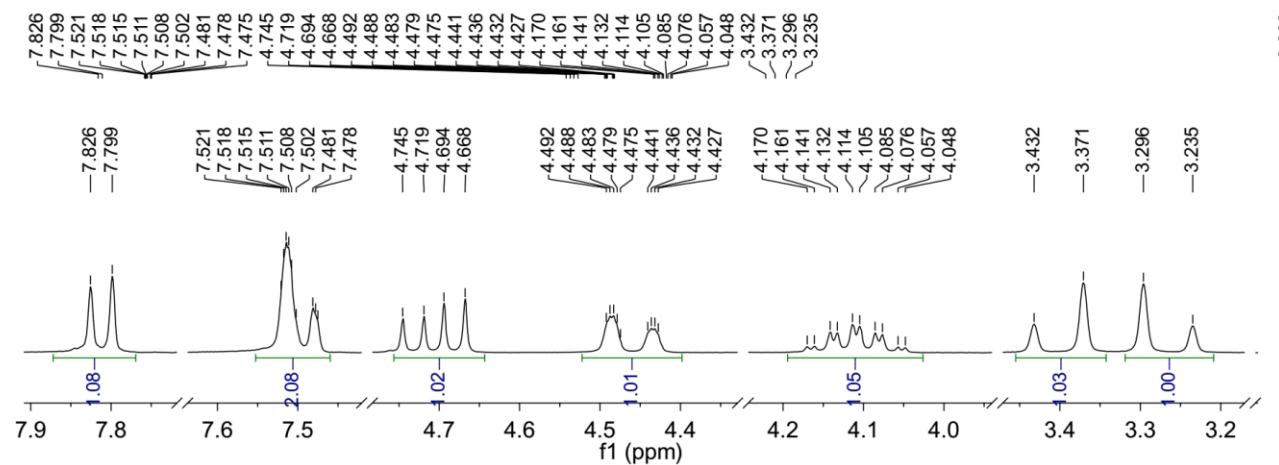
Chemical structure of *syn*-5p is shown above the spectrum. The structure is a bicyclic compound with a phenyl group (Ph), a methyl group (Me), and an azide group (N₃) attached to the cyclobutane ring. The stereochemistry is *syn*.

The spectrum displays the following chemical shifts (ppm) for the peaks:

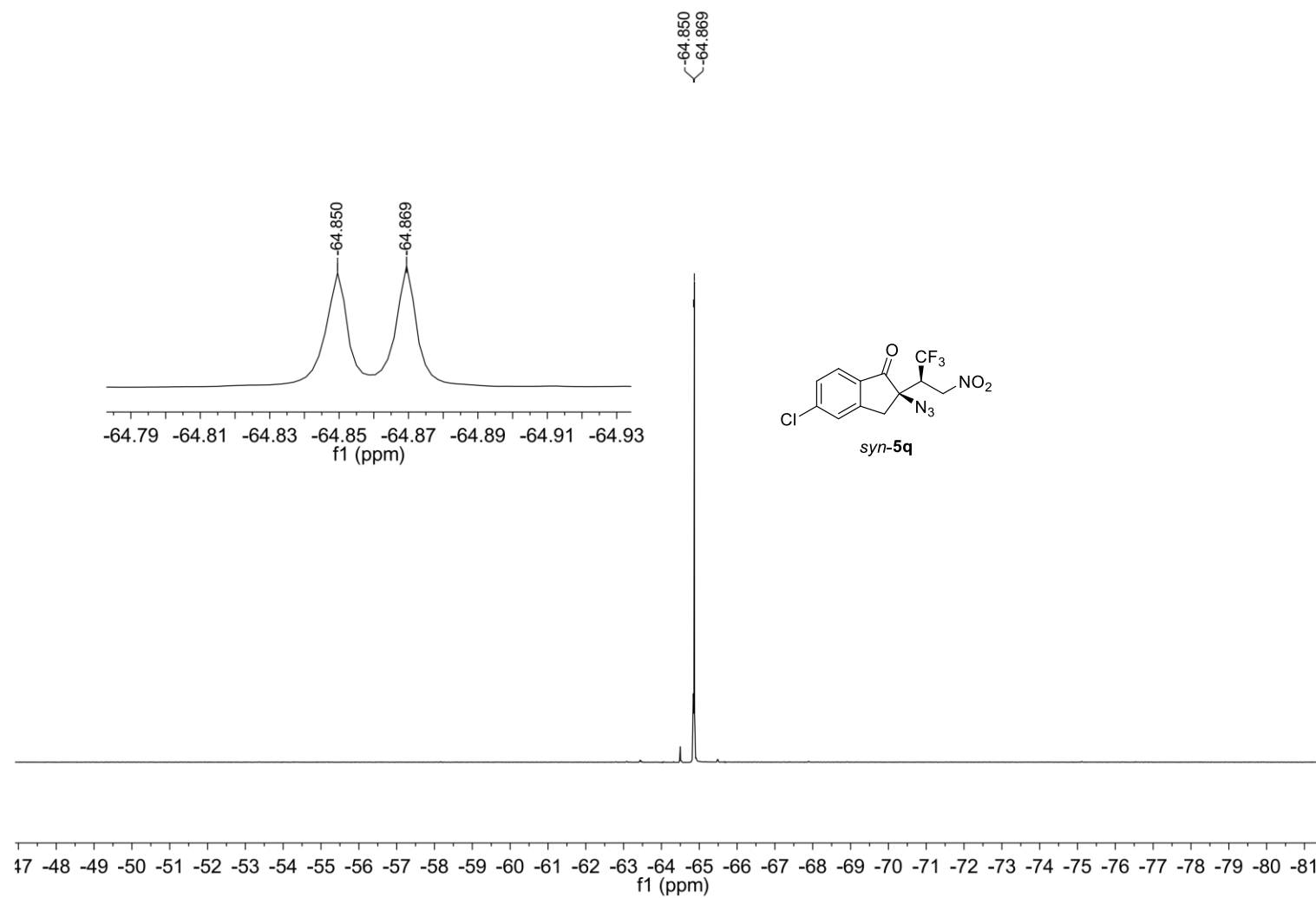
- 200.346
- 147.941
- 138.889
- 138.185
- 137.261
- 135.530
- 134.537
- 128.496
- 128.353
- 126.597
- 126.165
- 124.747
- 121.195
- 77.318
- 77.000
- 76.683
- 75.663
- 70.376
- 48.271
- 37.260
- 21.079
- 21.057

The spectrum shows a complex pattern of peaks, with a prominent cluster of peaks between 120 and 150 ppm, and a smaller cluster of peaks between 70 and 80 ppm. The x-axis is labeled f1 (ppm) and ranges from -10 to 210.

DPG-DF-79-2 H 300 MHz



DPG-DF-79-2 F 282 MHz



Chemical structure of *syn*-5q is shown as an inset. The structure is a benzene ring with a chlorine atom at the 5-position, fused to a five-membered ring containing a carbonyl group, a CF₃ group, an N₃ group, and a CH₂NO₂ group.

The ¹³C NMR spectrum (CDCl₃) shows the following chemical shifts (ppm): 196.076, 131.251, 130.020, 128.518, 126.941, 126.896, 126.279, 124.040, 121.812, 121.812, 70.061, 70.034, 70.013, 66.830, 45.484, 45.267, 45.054, 44.837, 36.844, 36.825, and 0.000.

Figure S10 displays the ^1H NMR spectrum of *syn*-5r in CDCl_3 . The chemical structure of *syn*-5r is shown as an inset. The spectrum features several peaks, with chemical shifts and integrations labeled. The x-axis represents the chemical shift in ppm, ranging from 0.0 to 8.5.

Chemical structure of *syn*-5r:

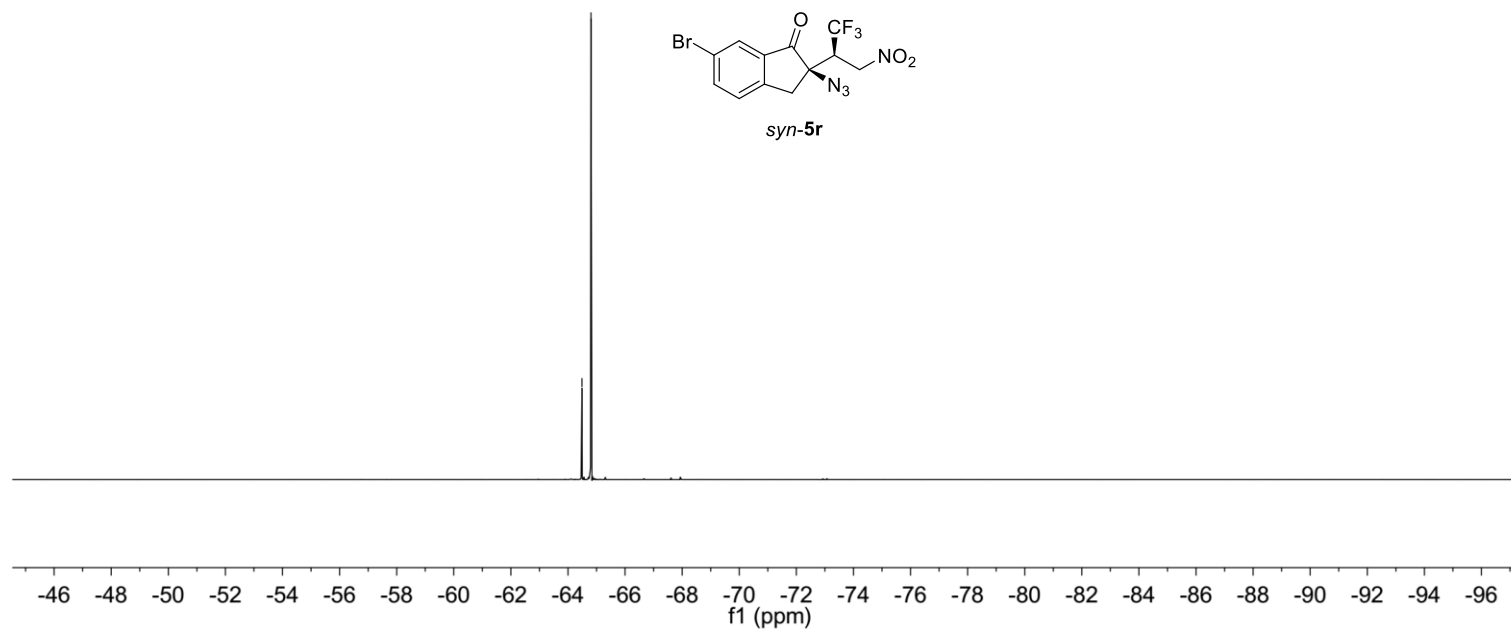
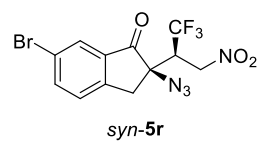
BrC1=CC=C2C(=C1)C(=O)C(C2)C(C)(F)(F)F[C@H](N=[N+]([O-])=O)C

Peak data (Chemical Shift / Integration):

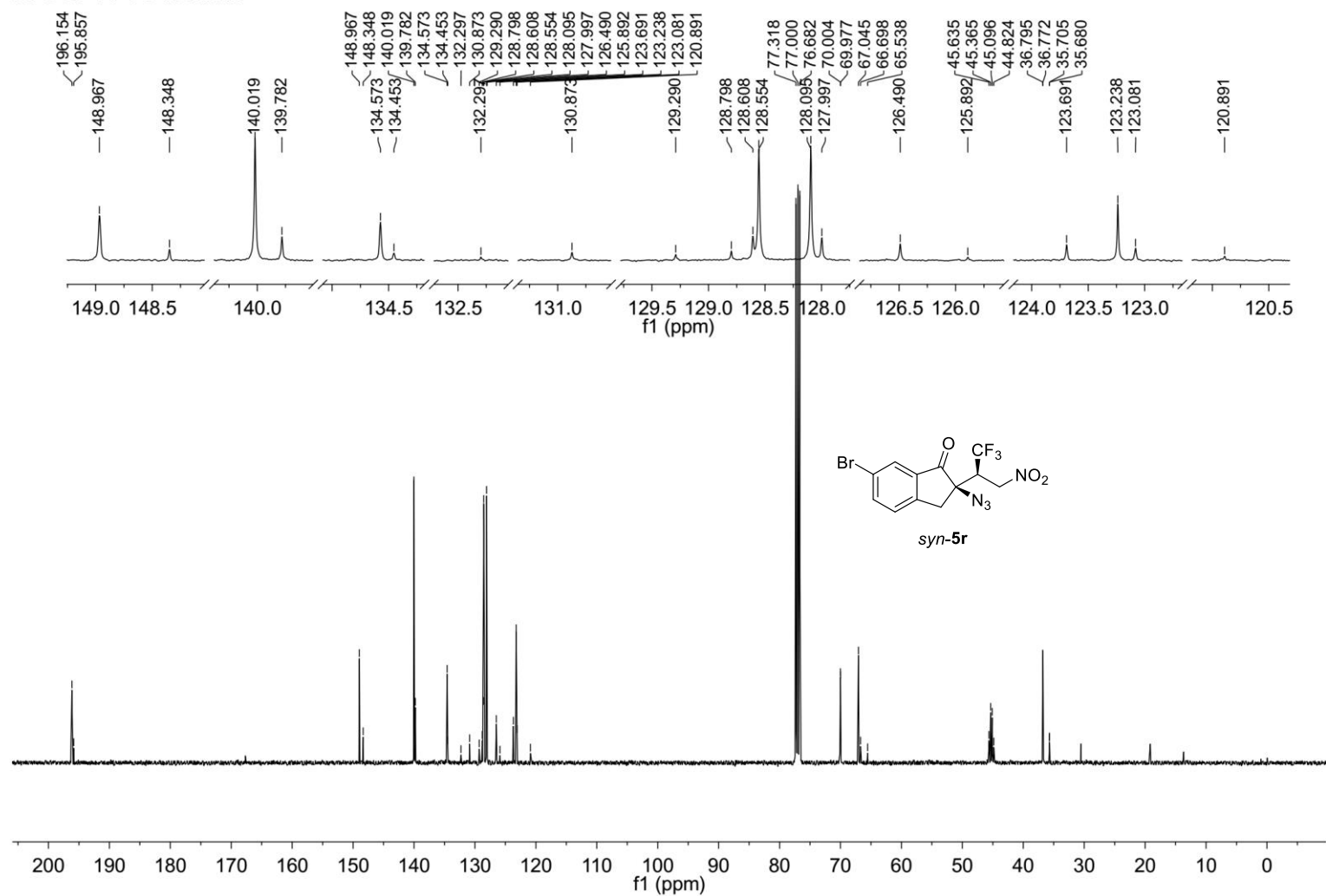
- 8.014, 8.010, 7.989, 7.987, 7.852, 7.837, 7.816, 7.799, 7.779, 7.767, 5.083, 5.071, 5.045, 5.033, 4.800, 4.786, 4.762, 4.748, 4.720, 4.701, 4.682, 7.419, 7.399, 7.379, 5.083, 5.071, 5.045, 5.033, 4.800, 4.786, 4.762, 4.748, 4.720, 4.701, 4.682
- 0.21, 0.91, 0.13, 1.05, 0.11, 0.21, 0.22, 1.00, 0.20

DPG-DF-79-1 F 376 MHz

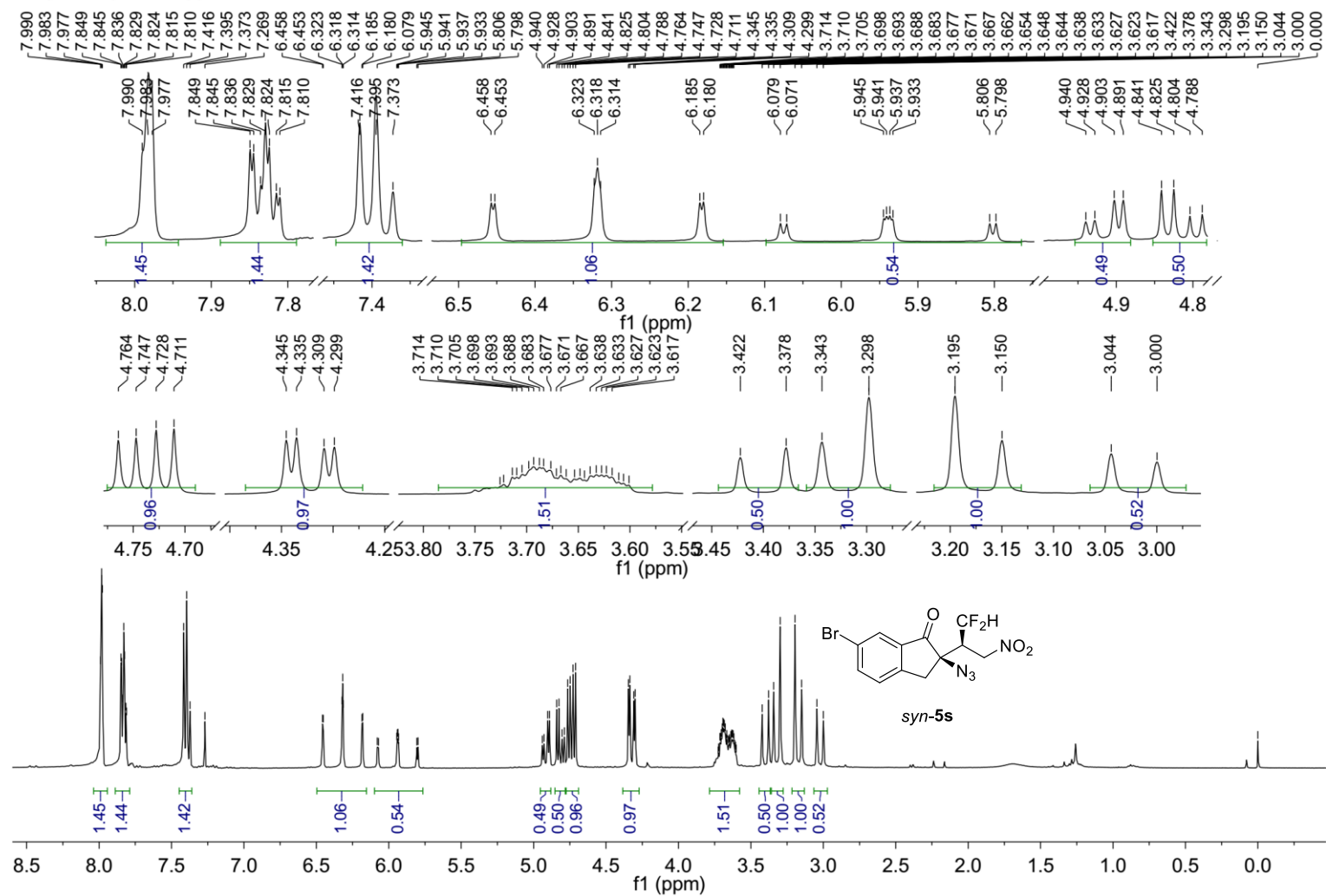
~-64.491
 ~-64.805



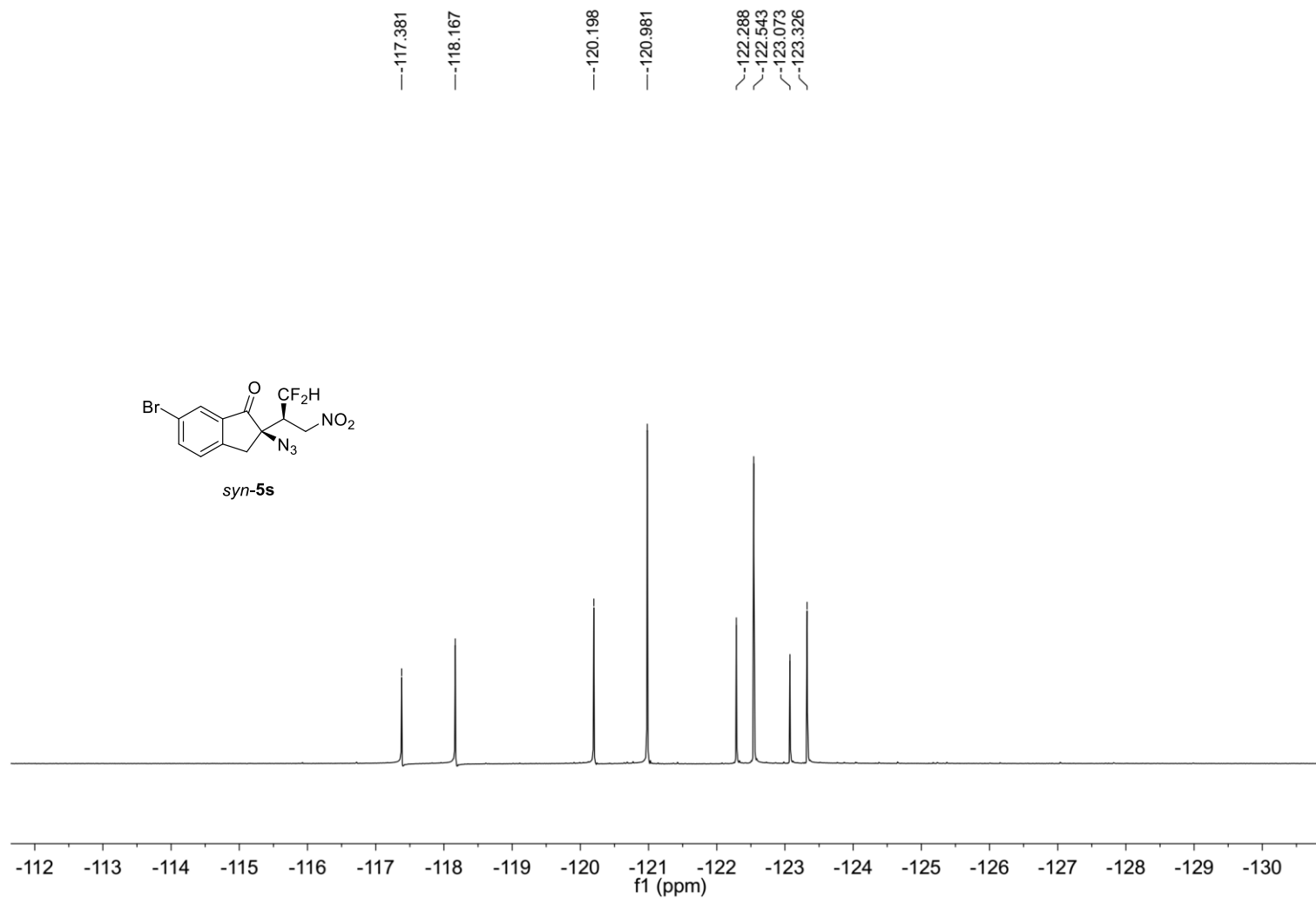
DPG-DF-79-1 C 100 MHz



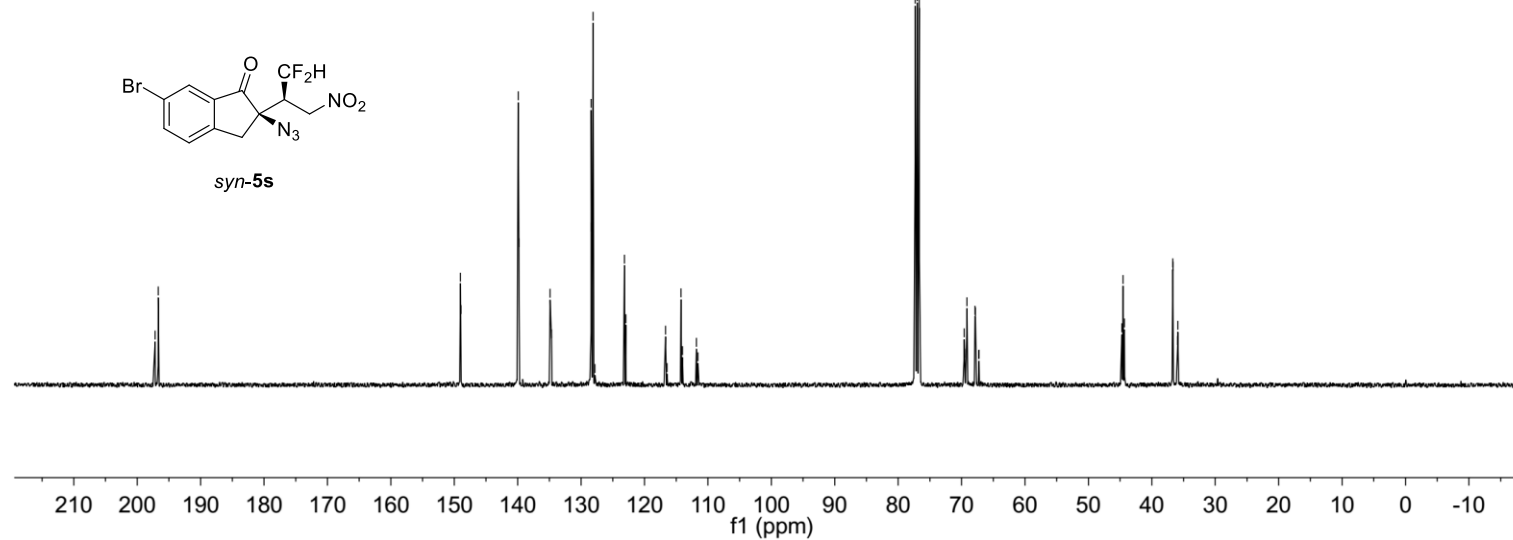
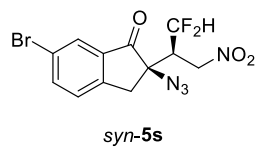
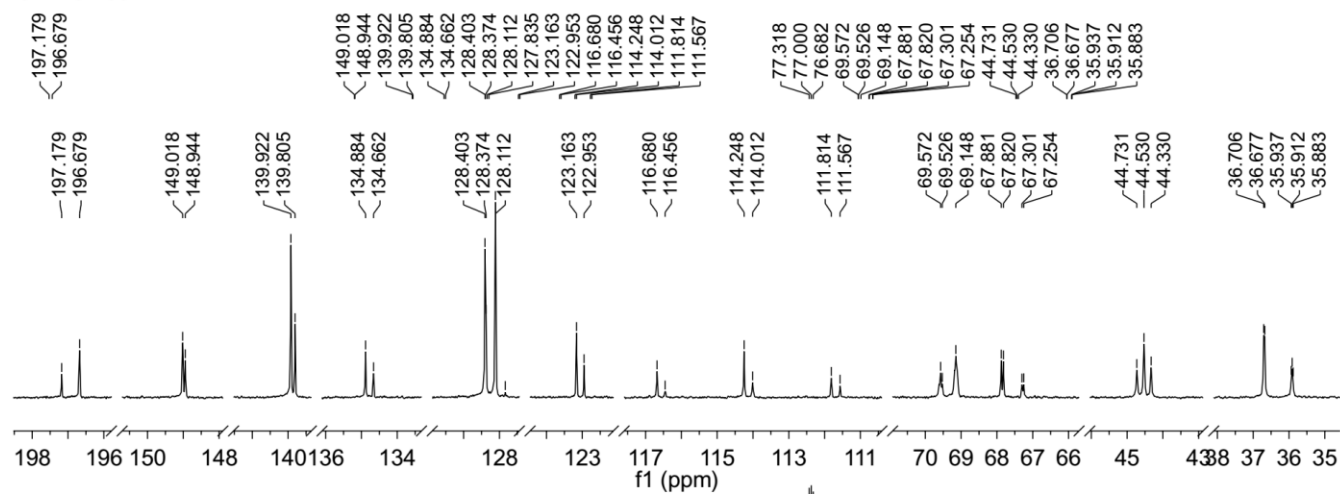
DPG-DF-134-1 H 400 HMz



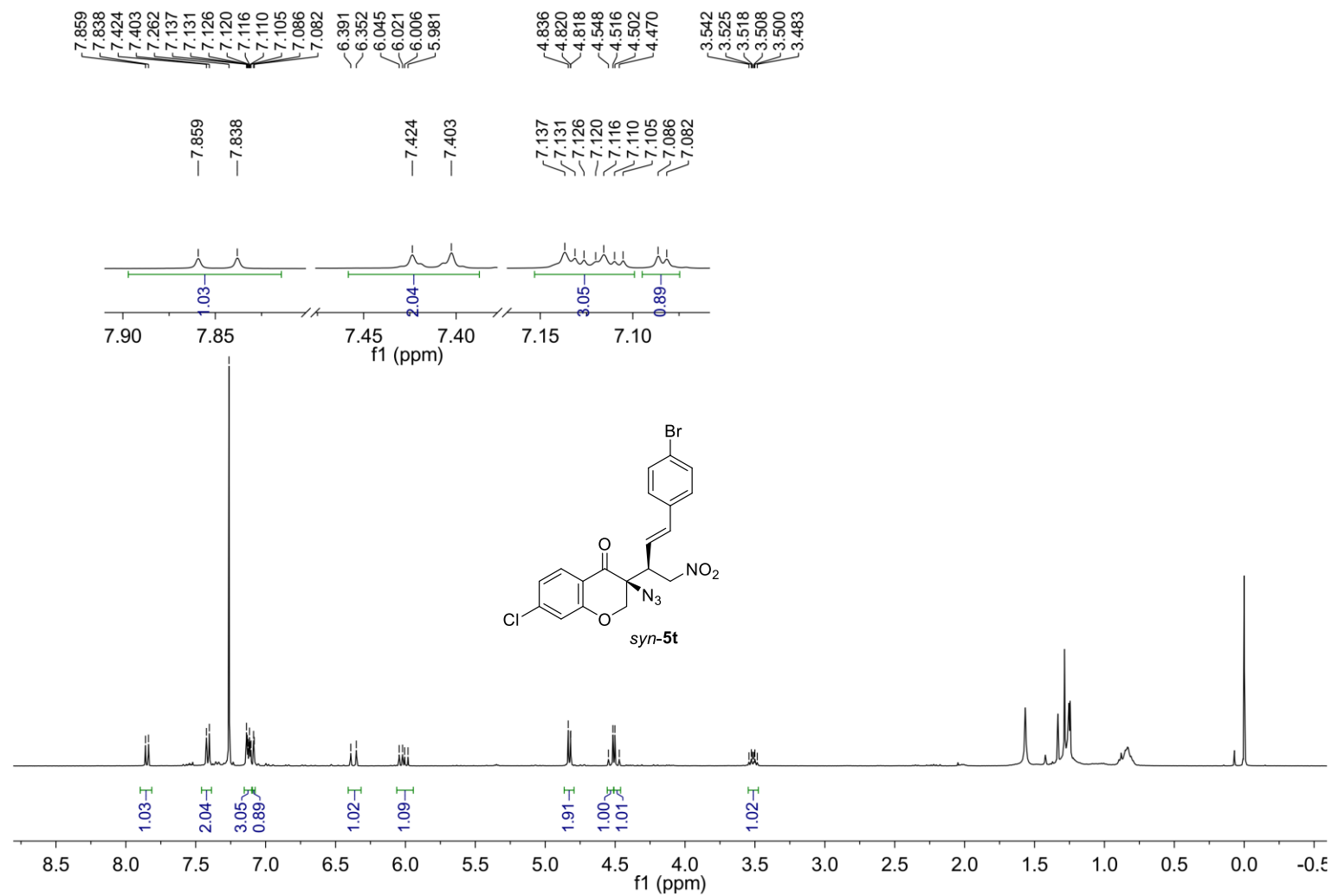
DPG-DF-134-1 F 376 HMz



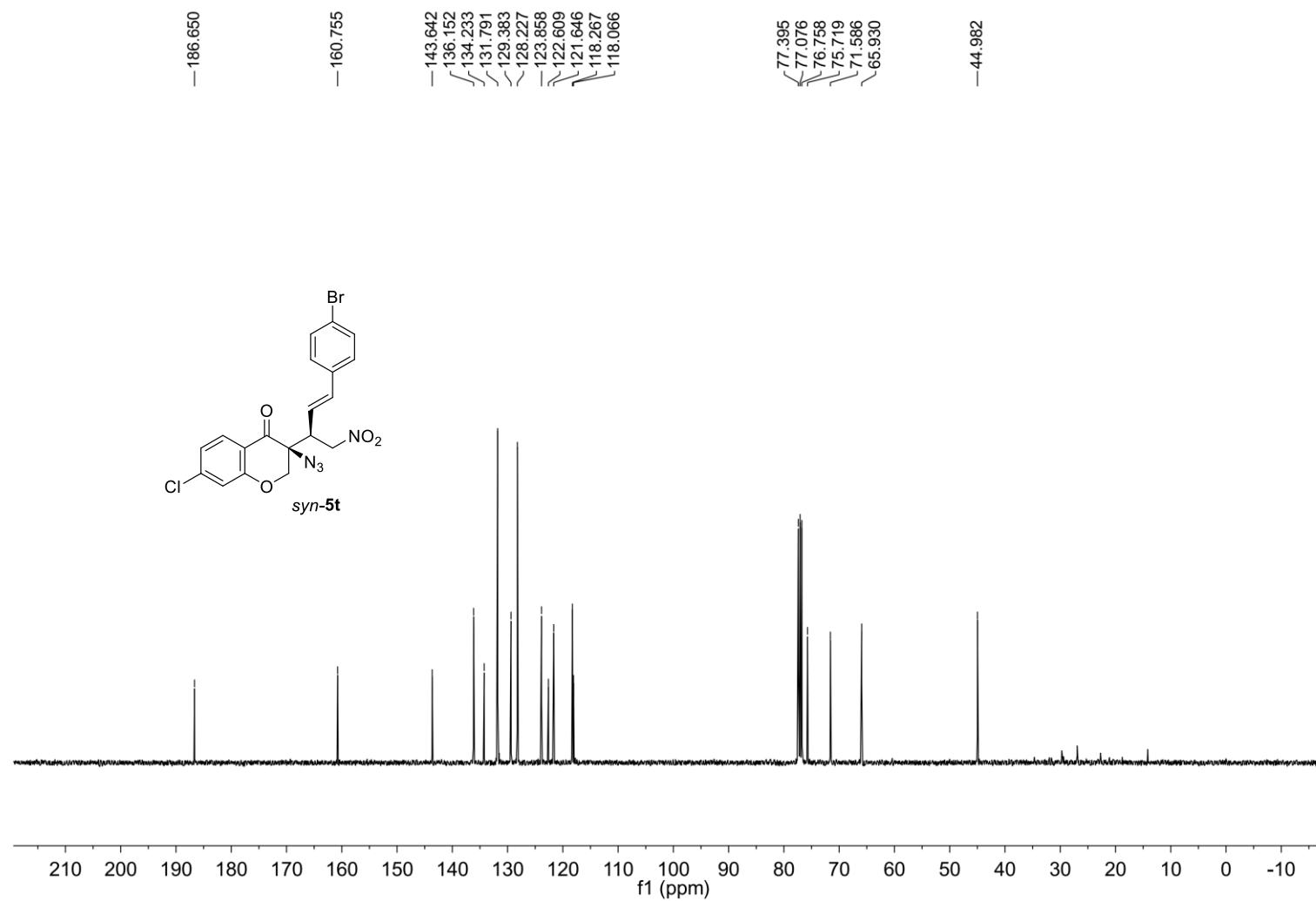
DPG-DF-134-1 C 100 MHz



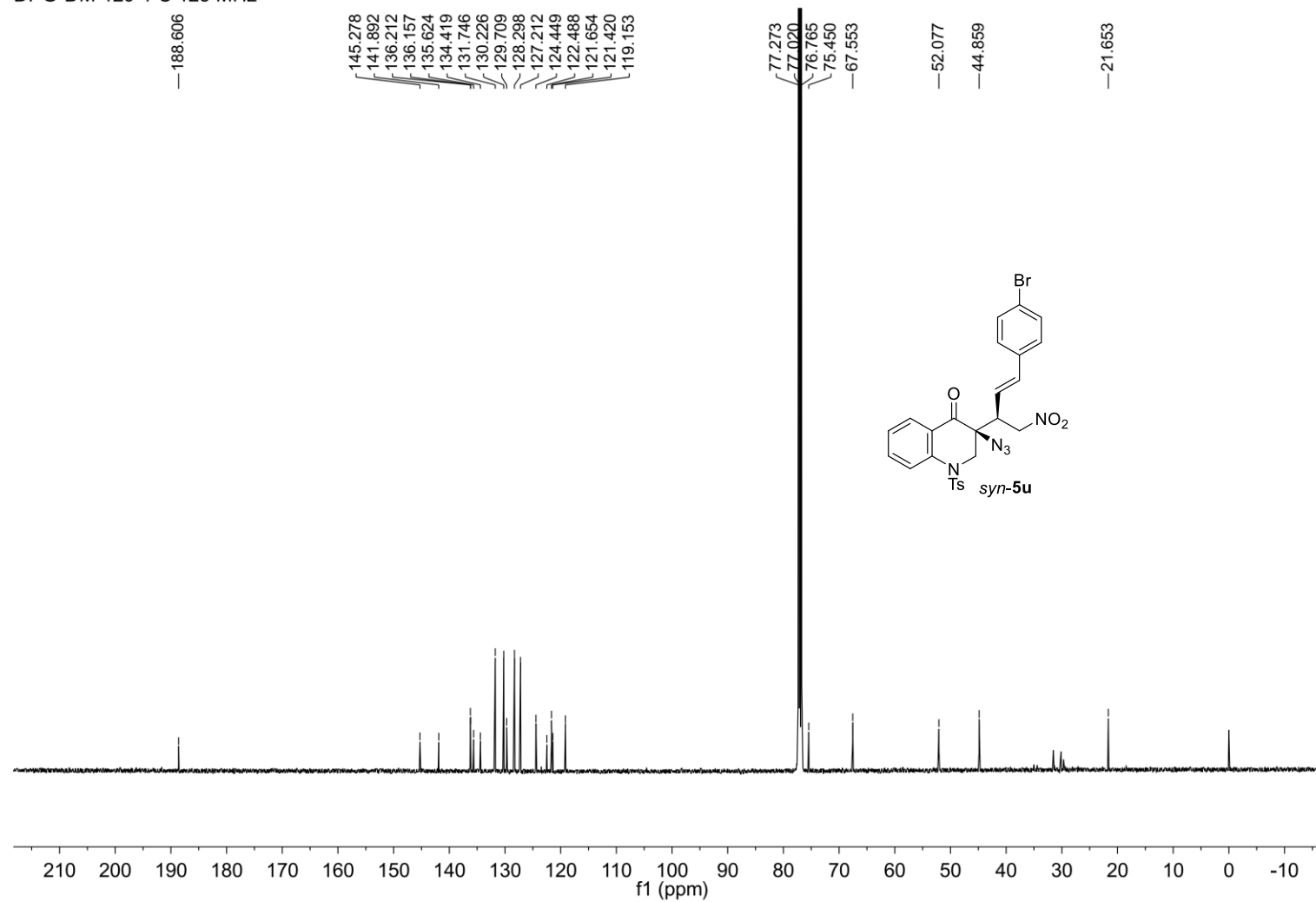
DPG-DM-147-1 H 400 MHz



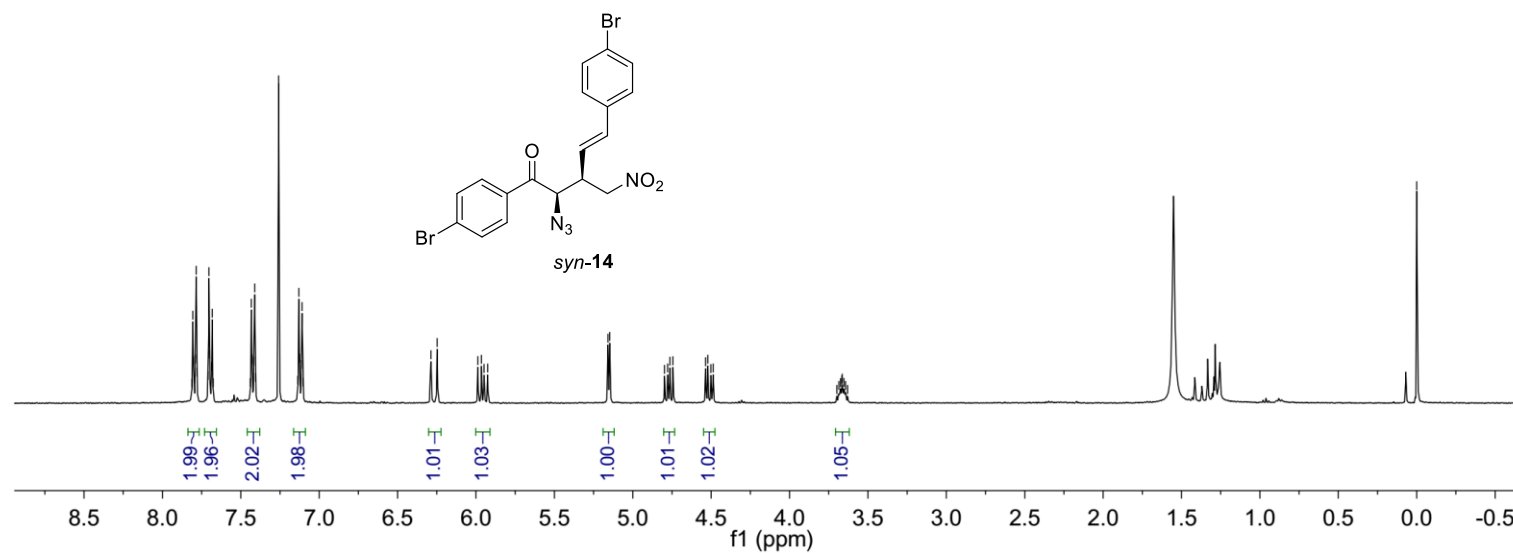
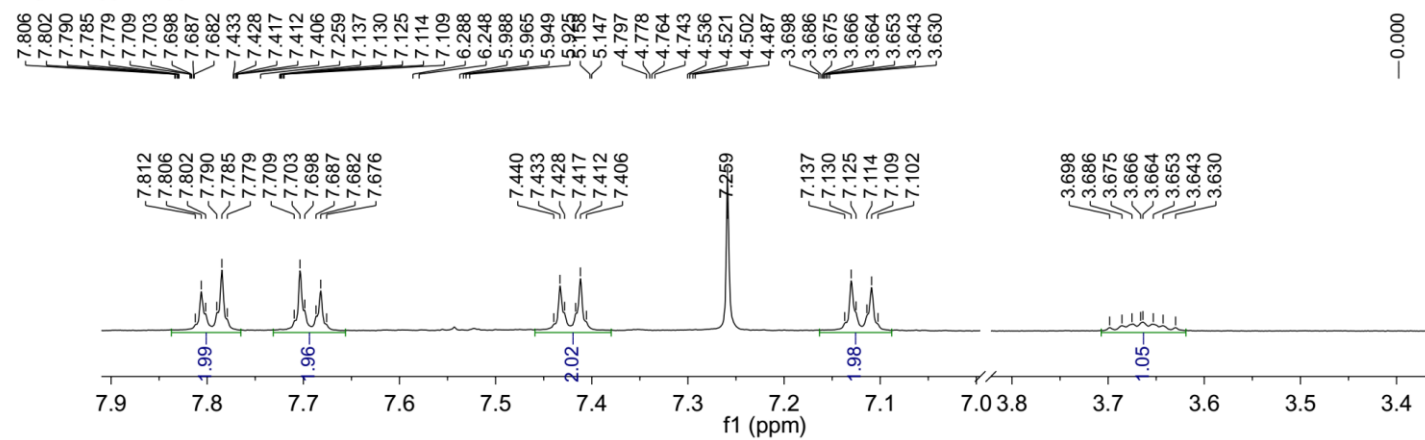
DPG-DN-16-1 C 100 MHz



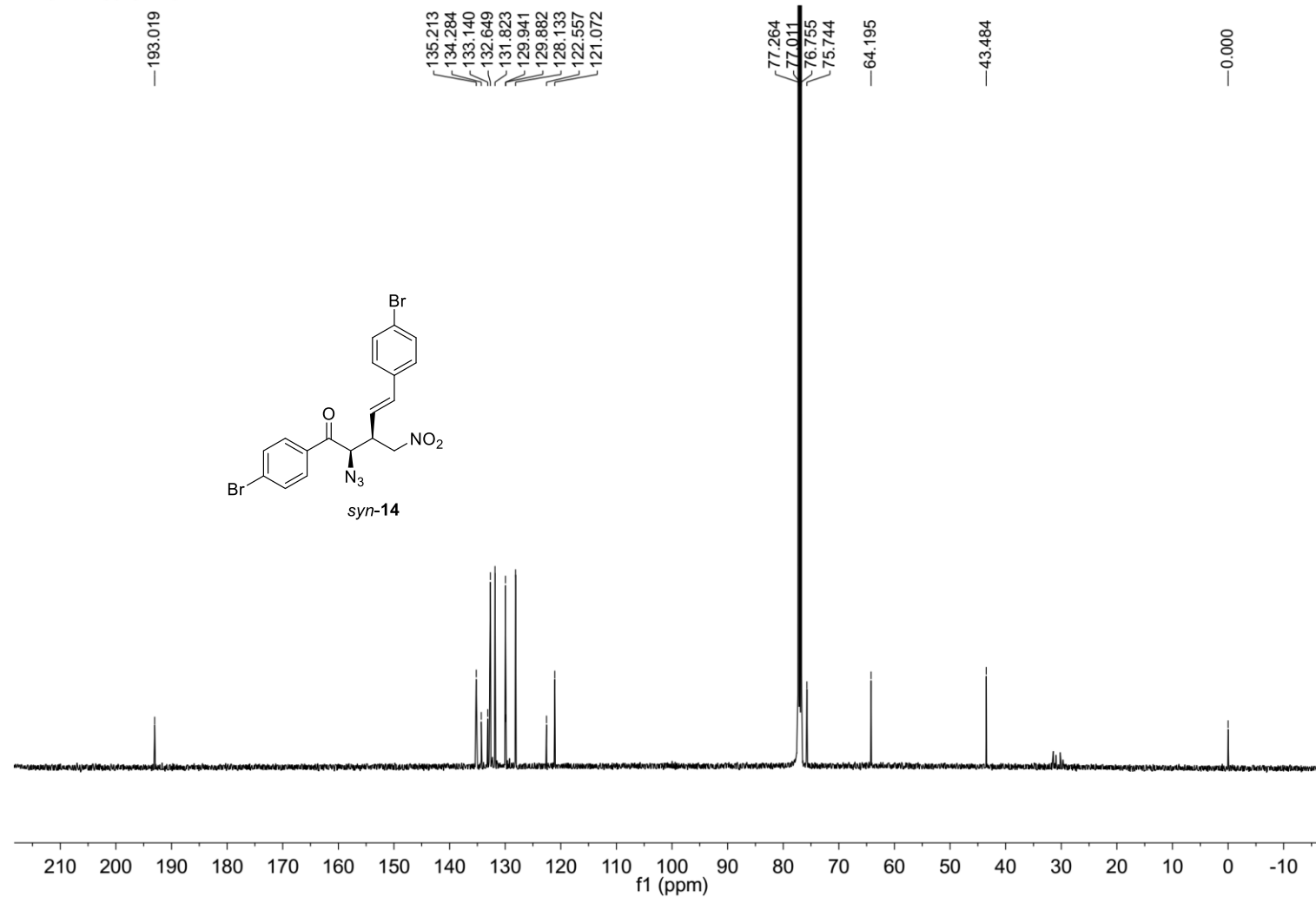
DPG-DM-129-1 C 125 MHz



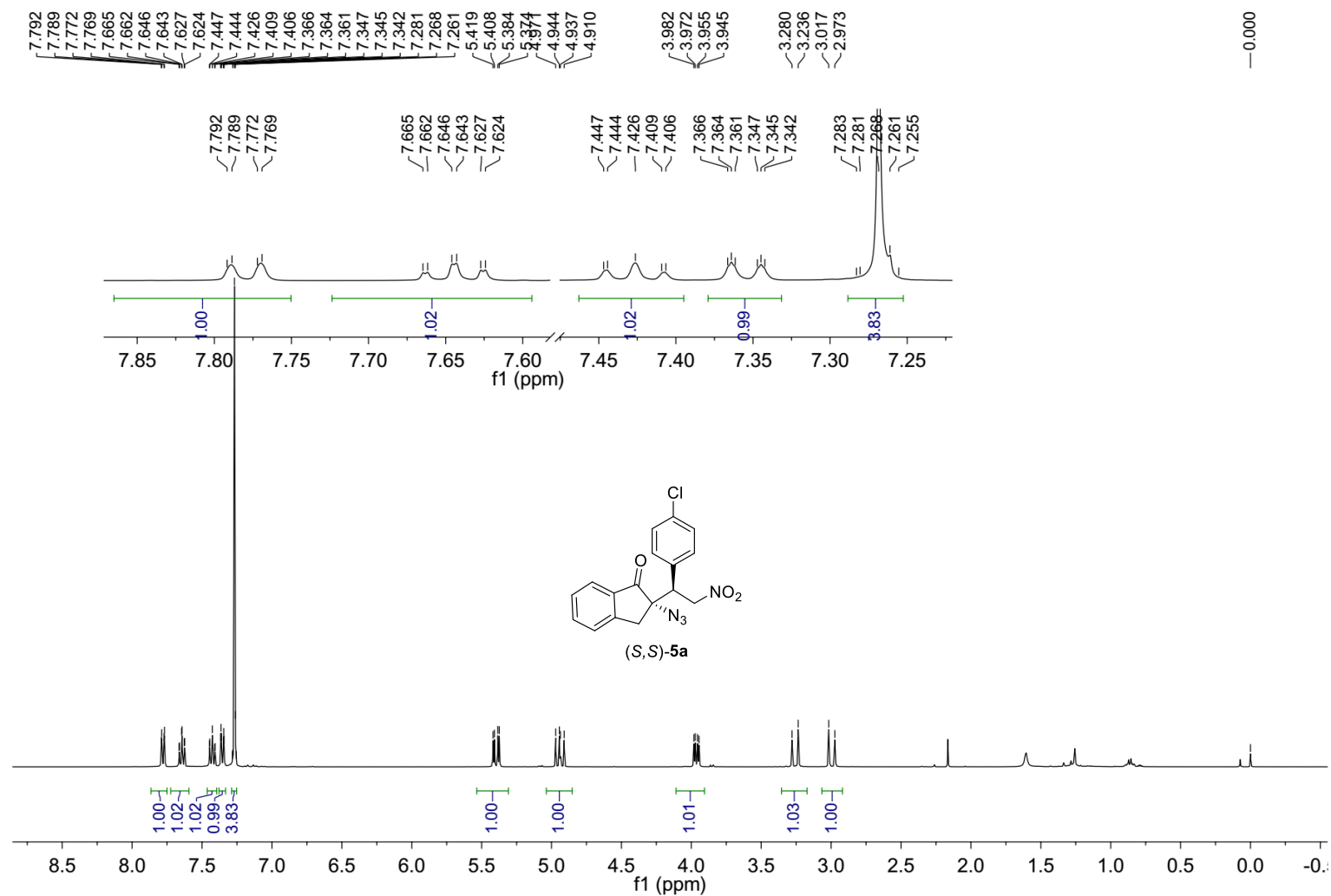
DPG-DD-89 H 400MHz



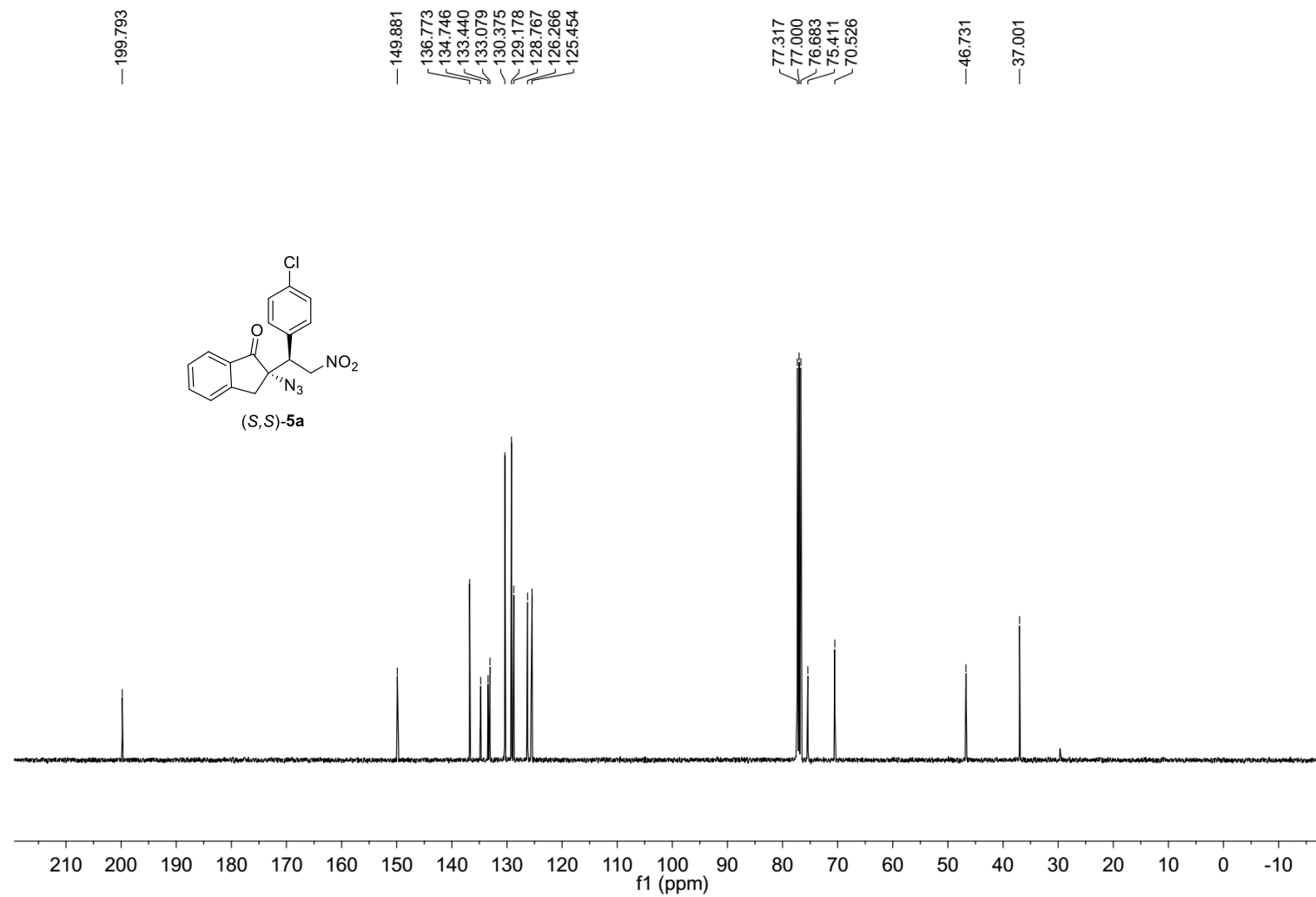
DPG-DD-89 C 125 MHz



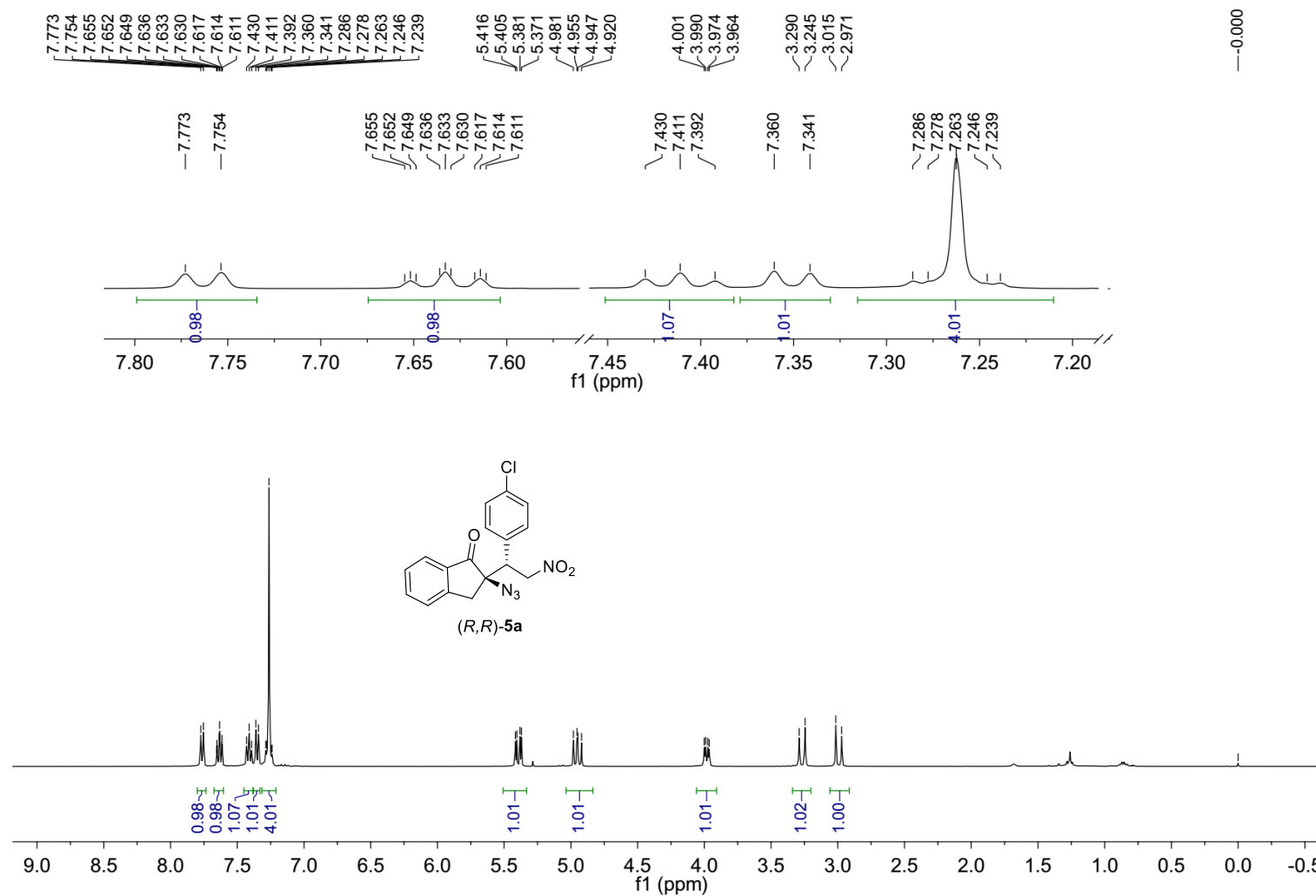
DPG-DD-144 400 MHz H



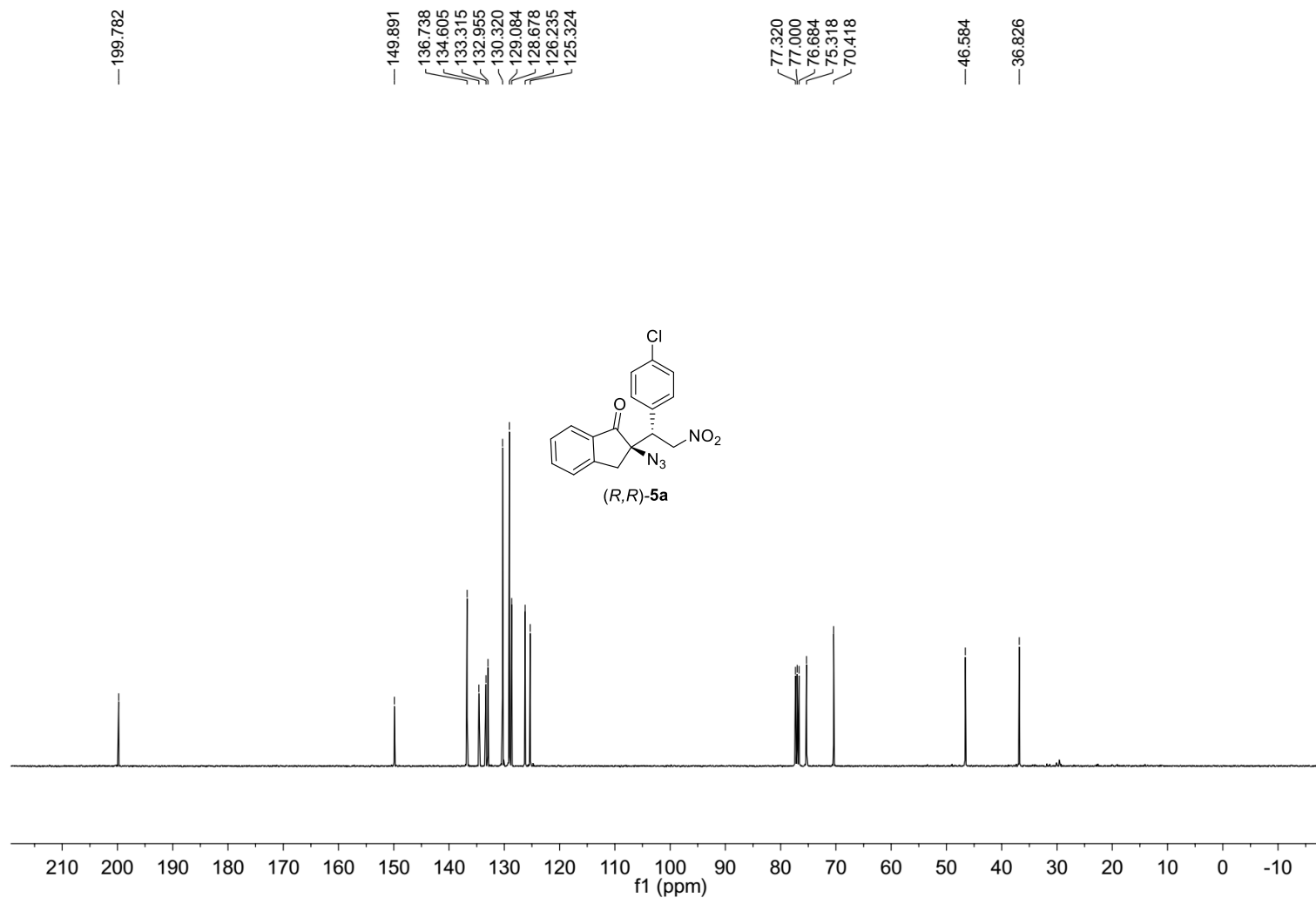
DPG-DD-144 100 MHz C



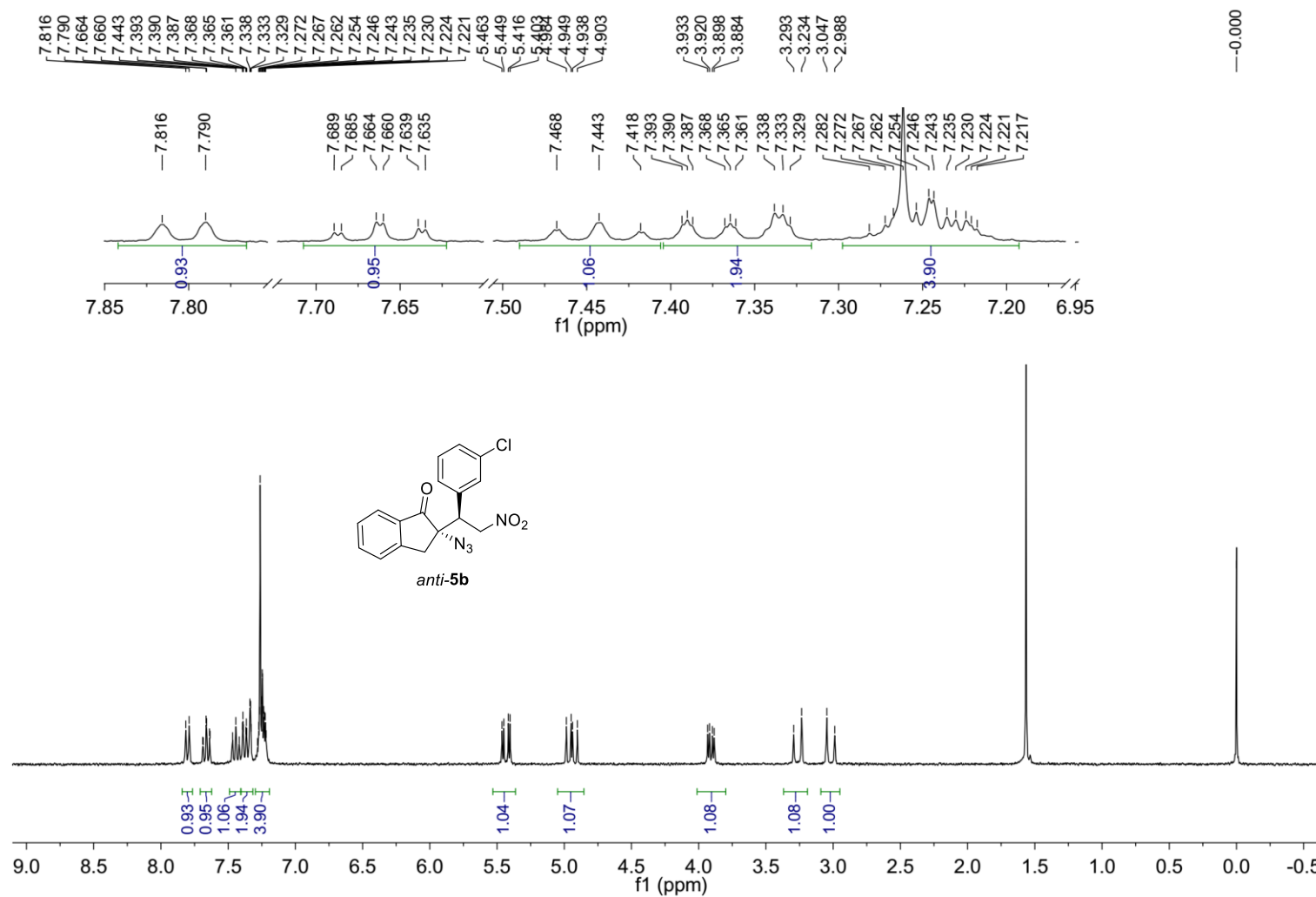
DPG-DE-52-2-2 H 400 MHz



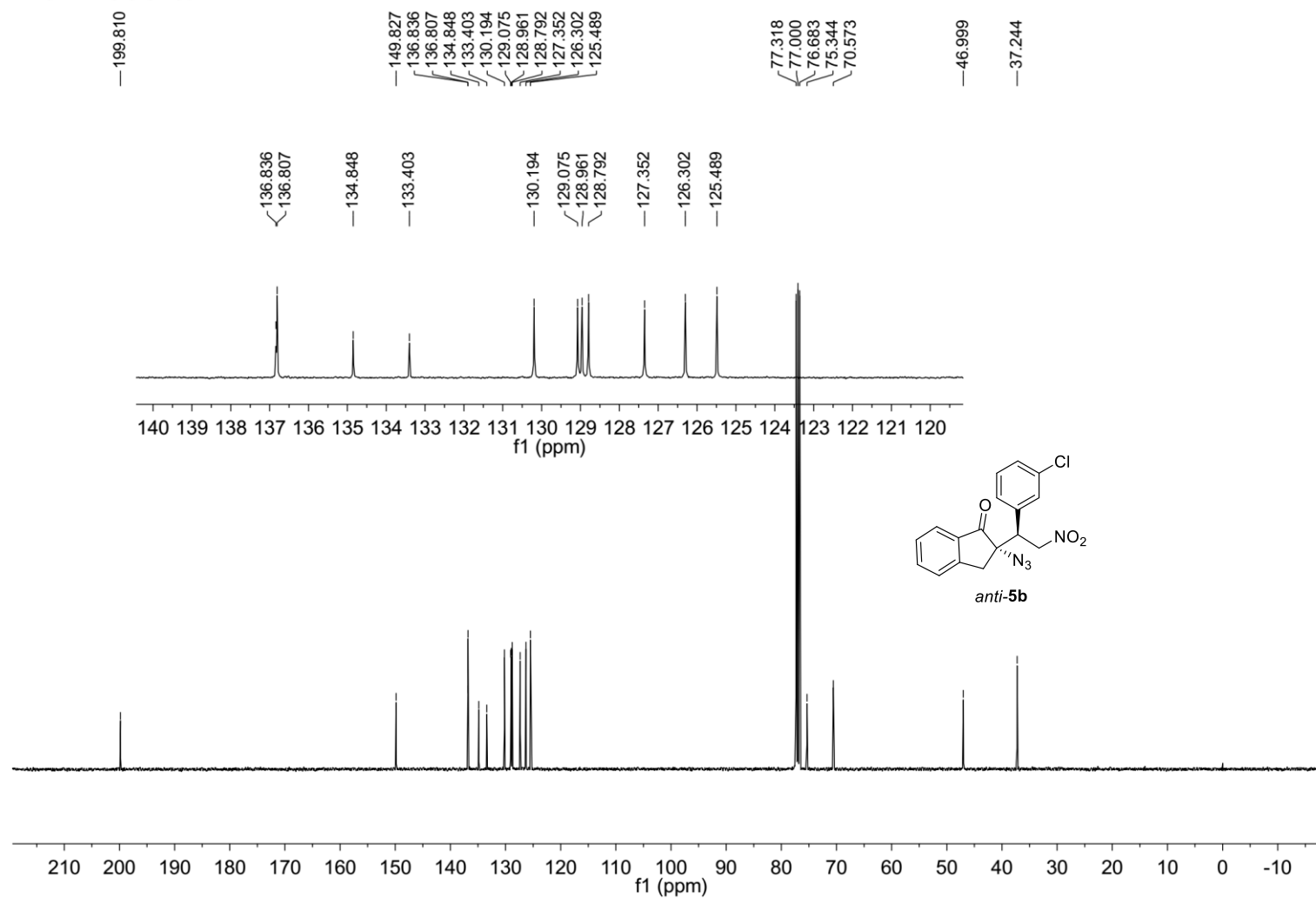
DPG-DE-52-2-2 C 100 MHz



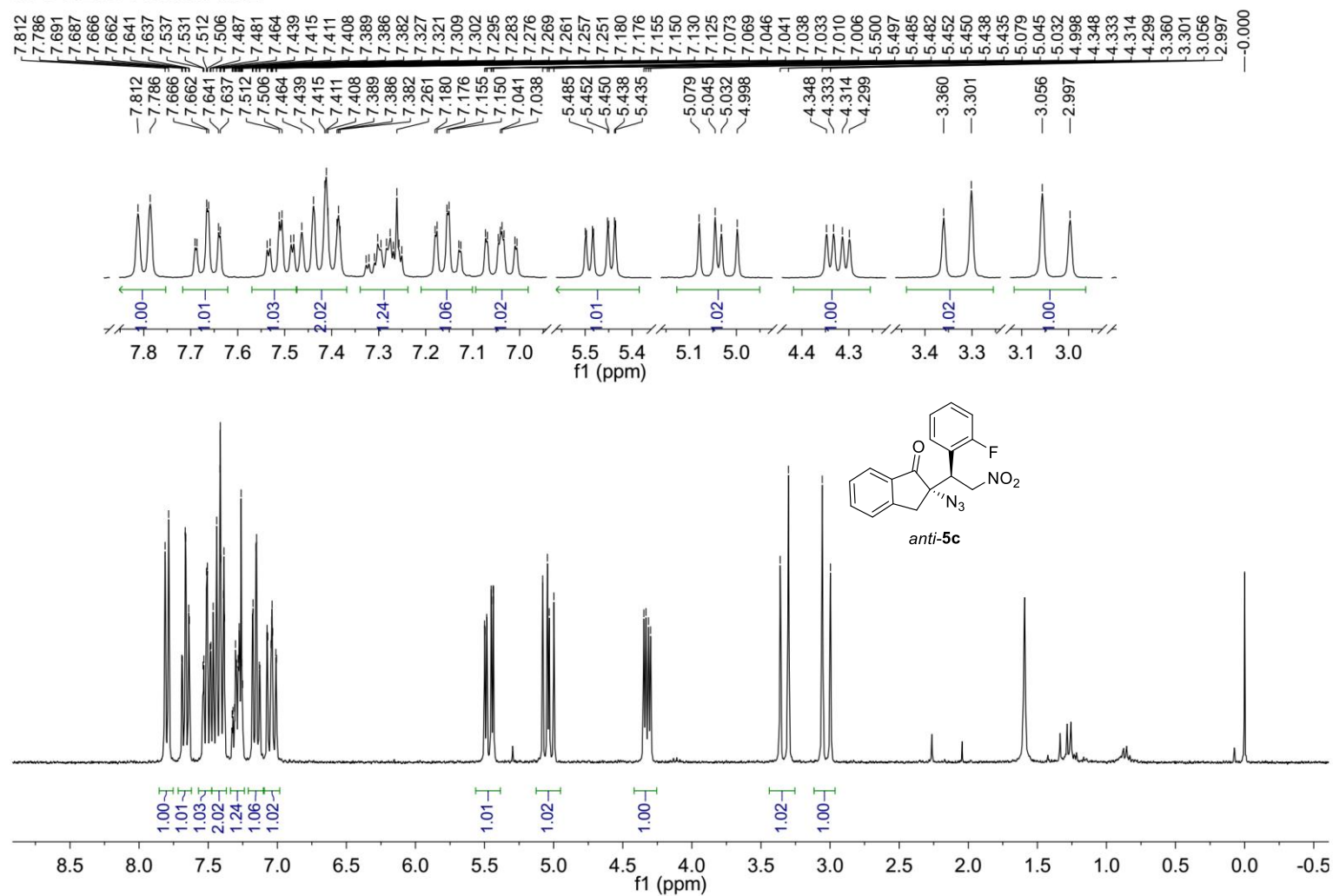
DPG-DE-28-3-2 H 300 MHz



DPG-DE-28-3 C 100 MHz

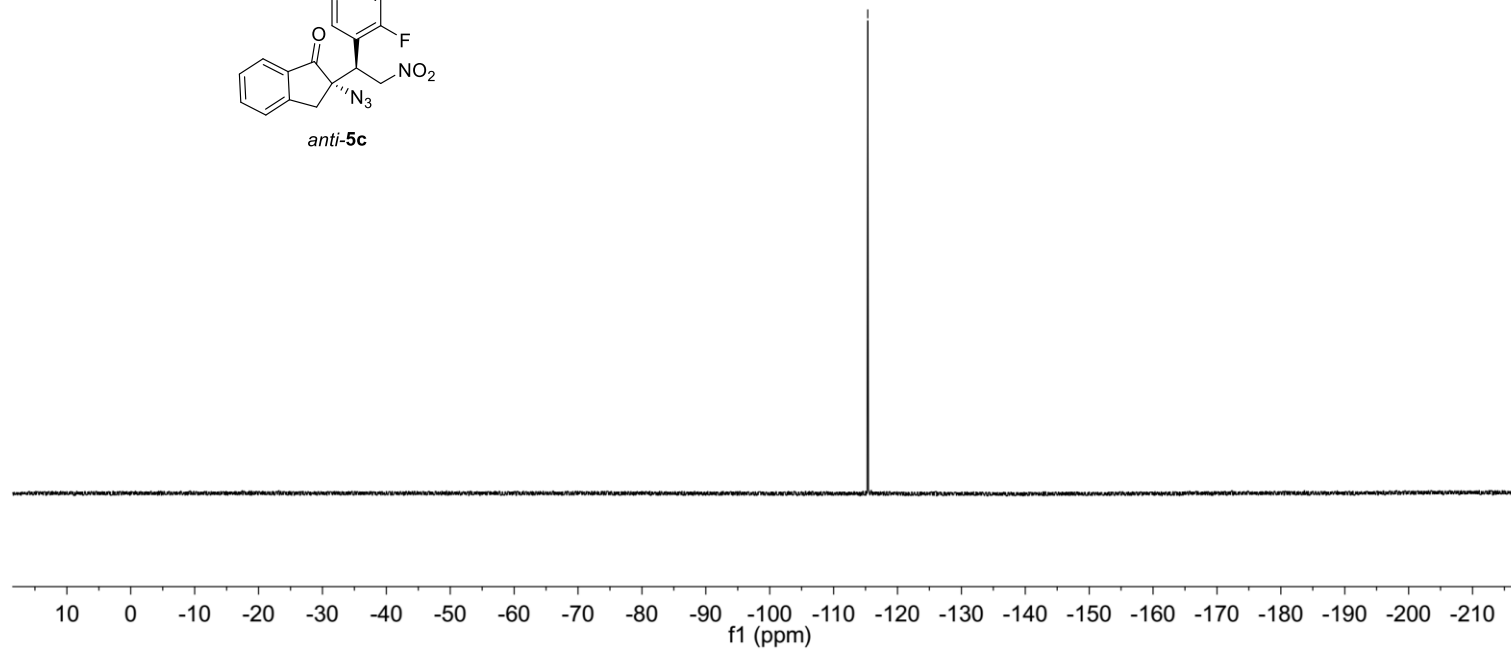
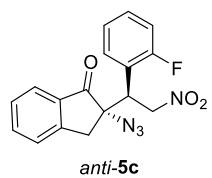


DPG-DE-28-4-2 H 300 MHz

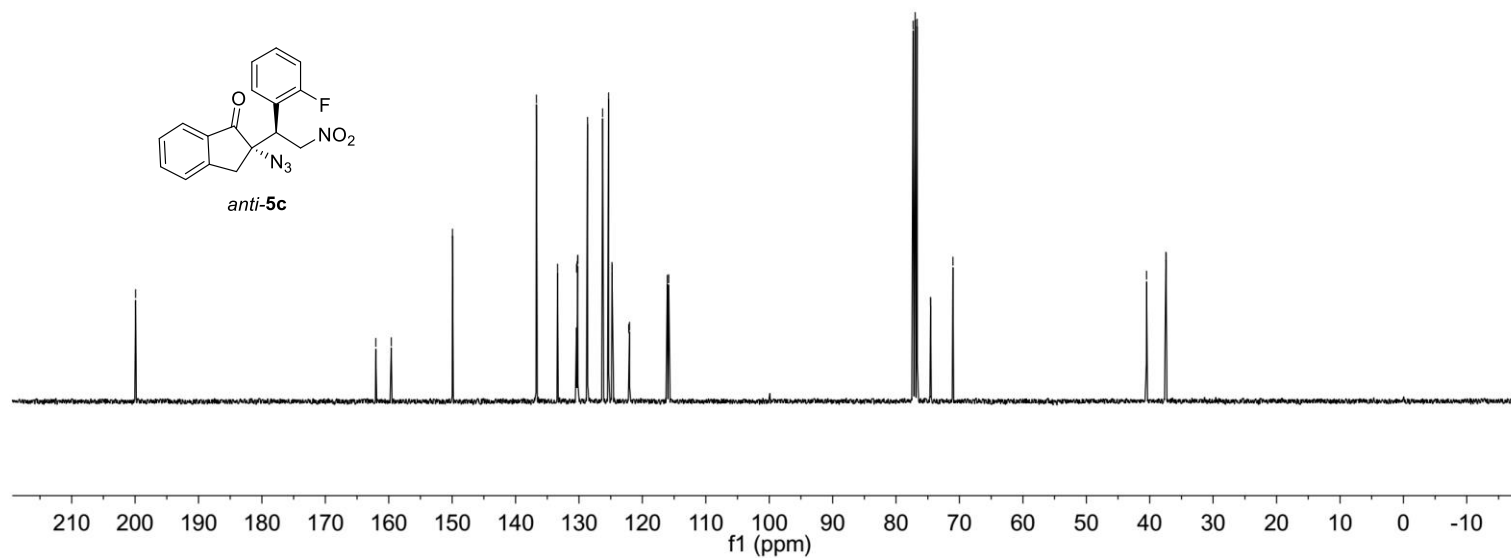
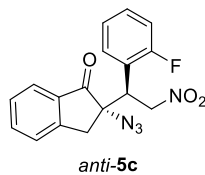
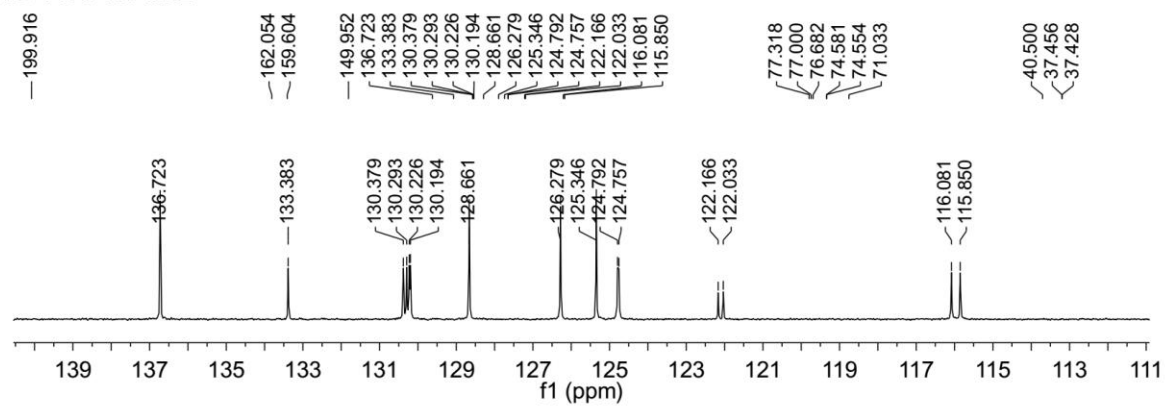


DPG-DE-28-4-2 F 282 MHz

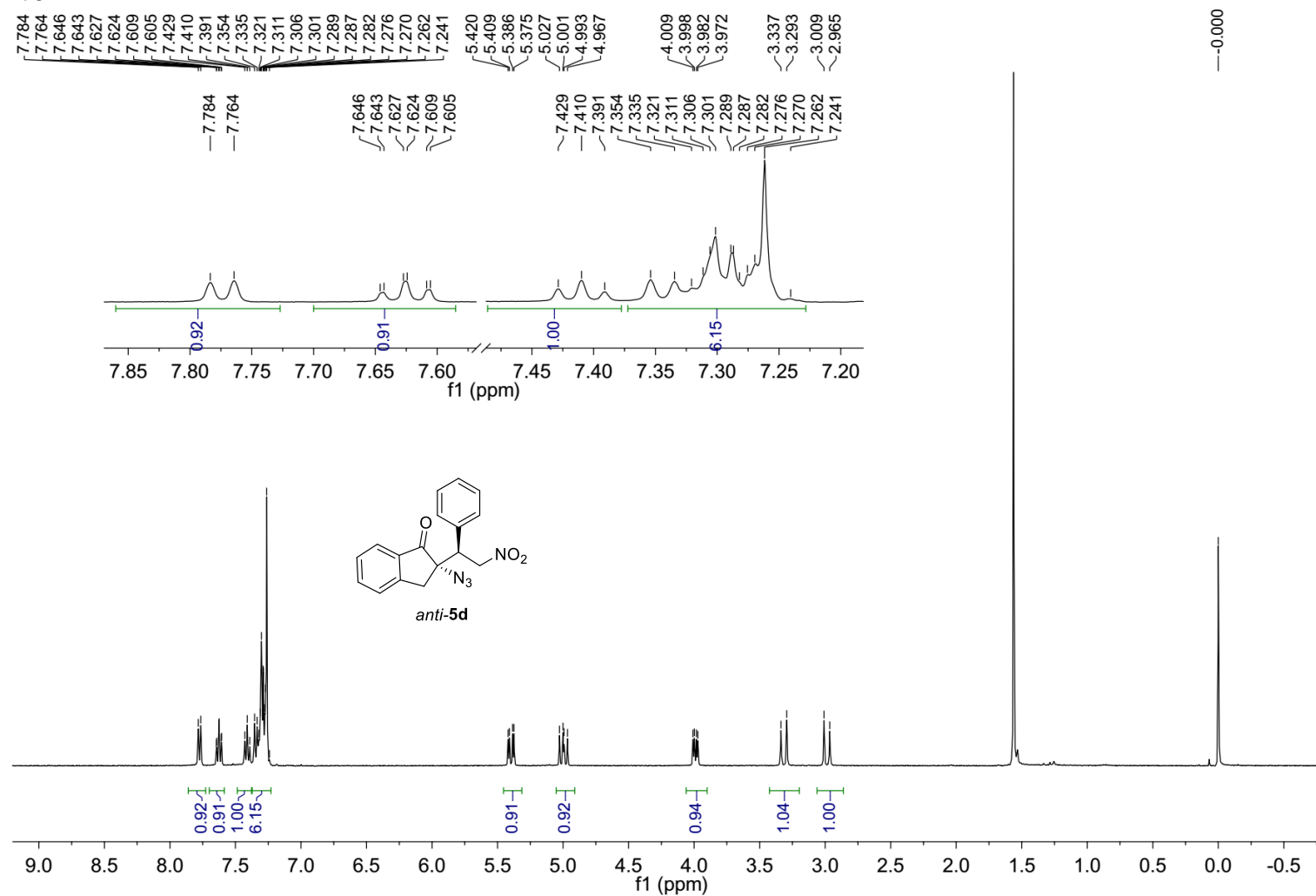
---115.356



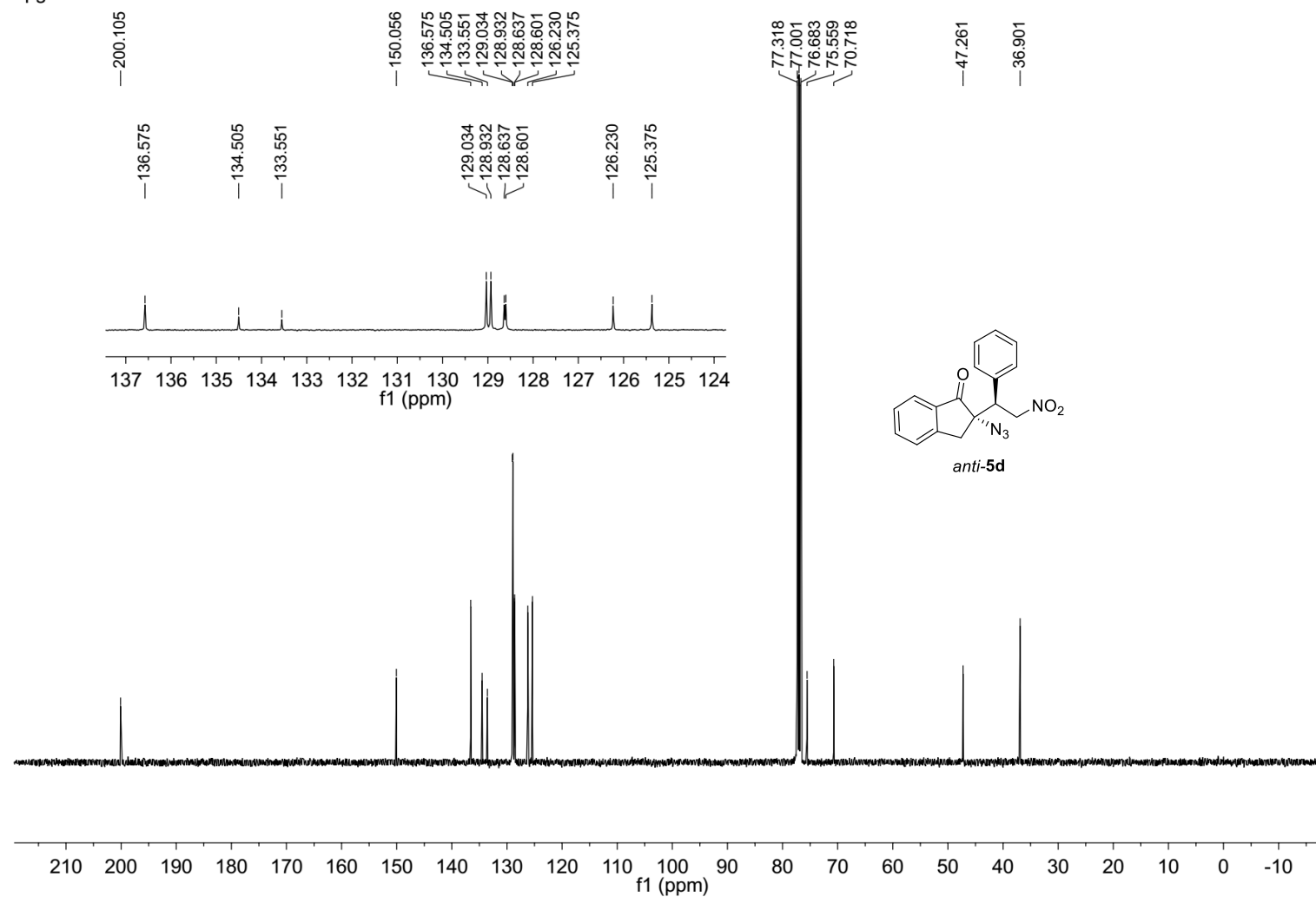
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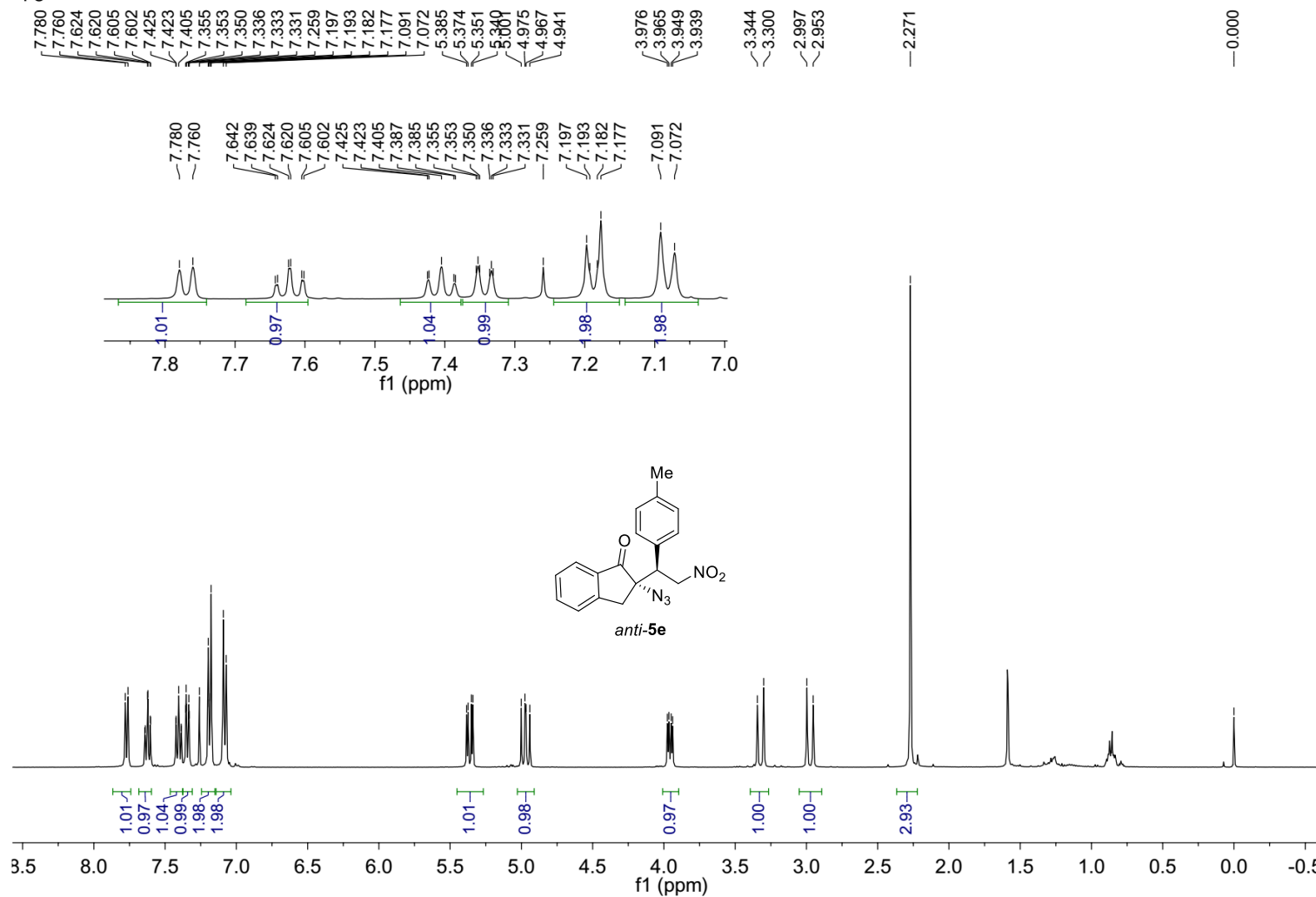
dpg-de-34-1-2 H 400 MHz



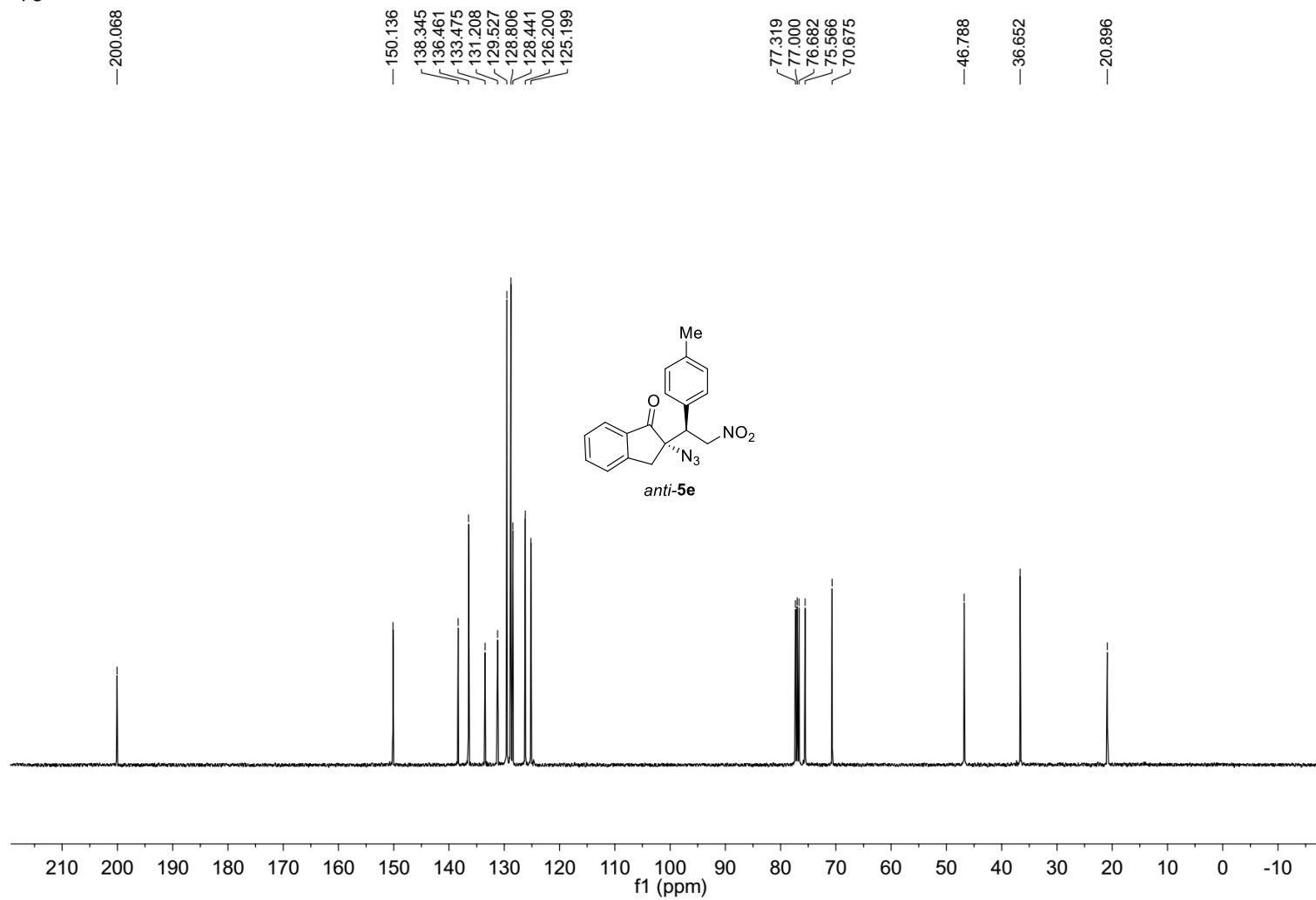
dpg-de-34-1-2 C 100 MHz



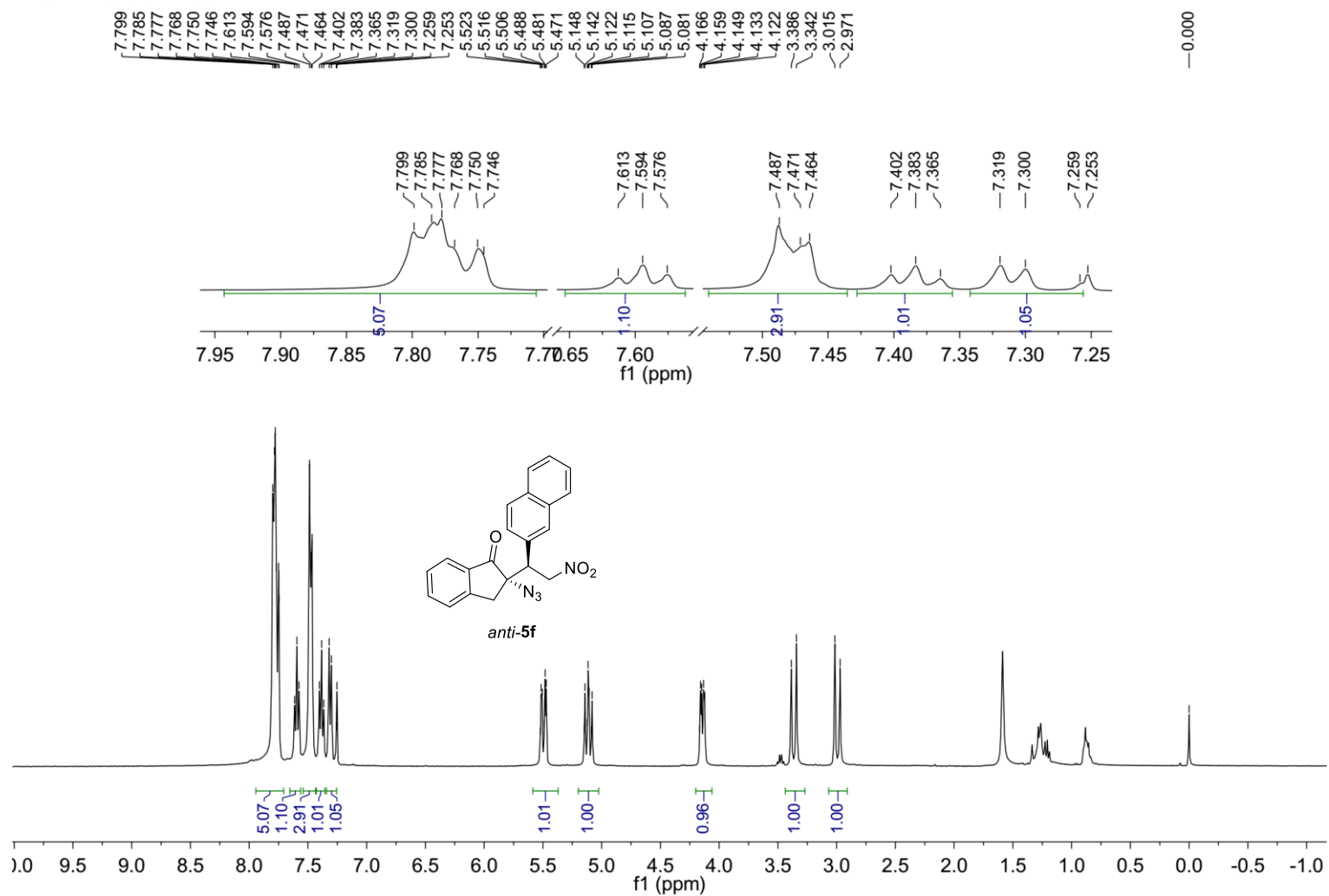
dpg-de-34-2-2 H 400 MHz



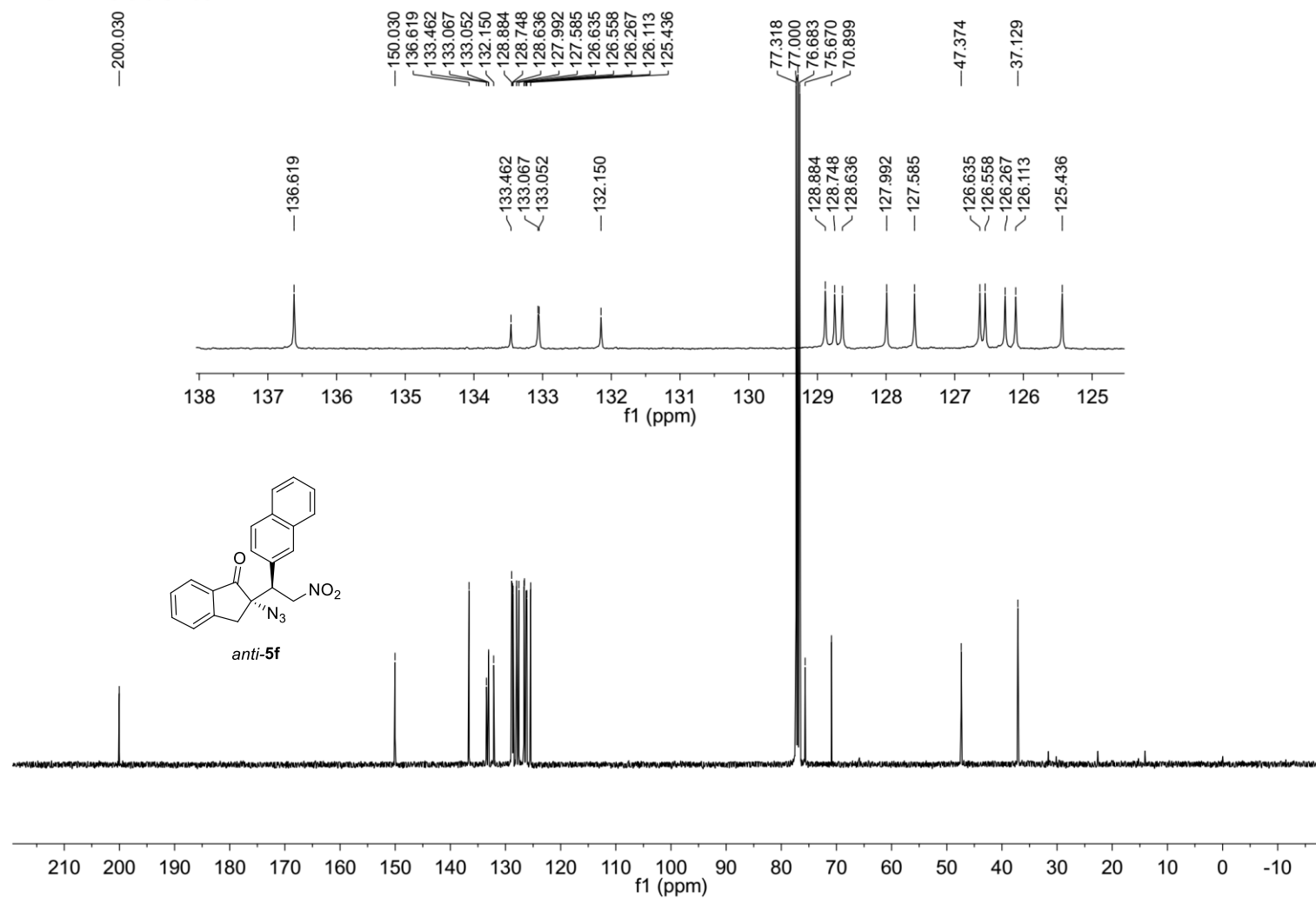
dpg-de-34-2-2 C 100 MHz



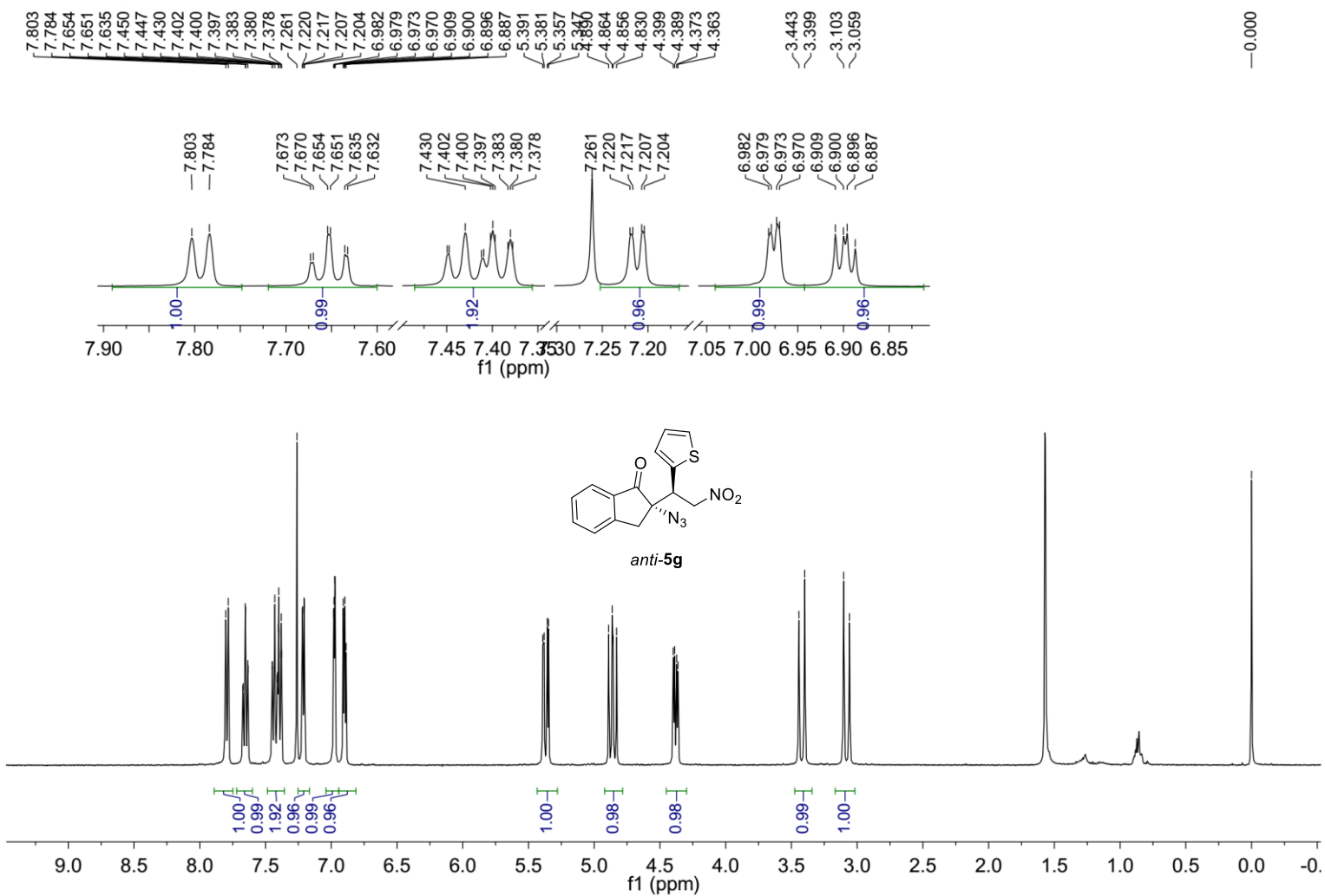
DPG-DE-28-6-3 H 400 MHz



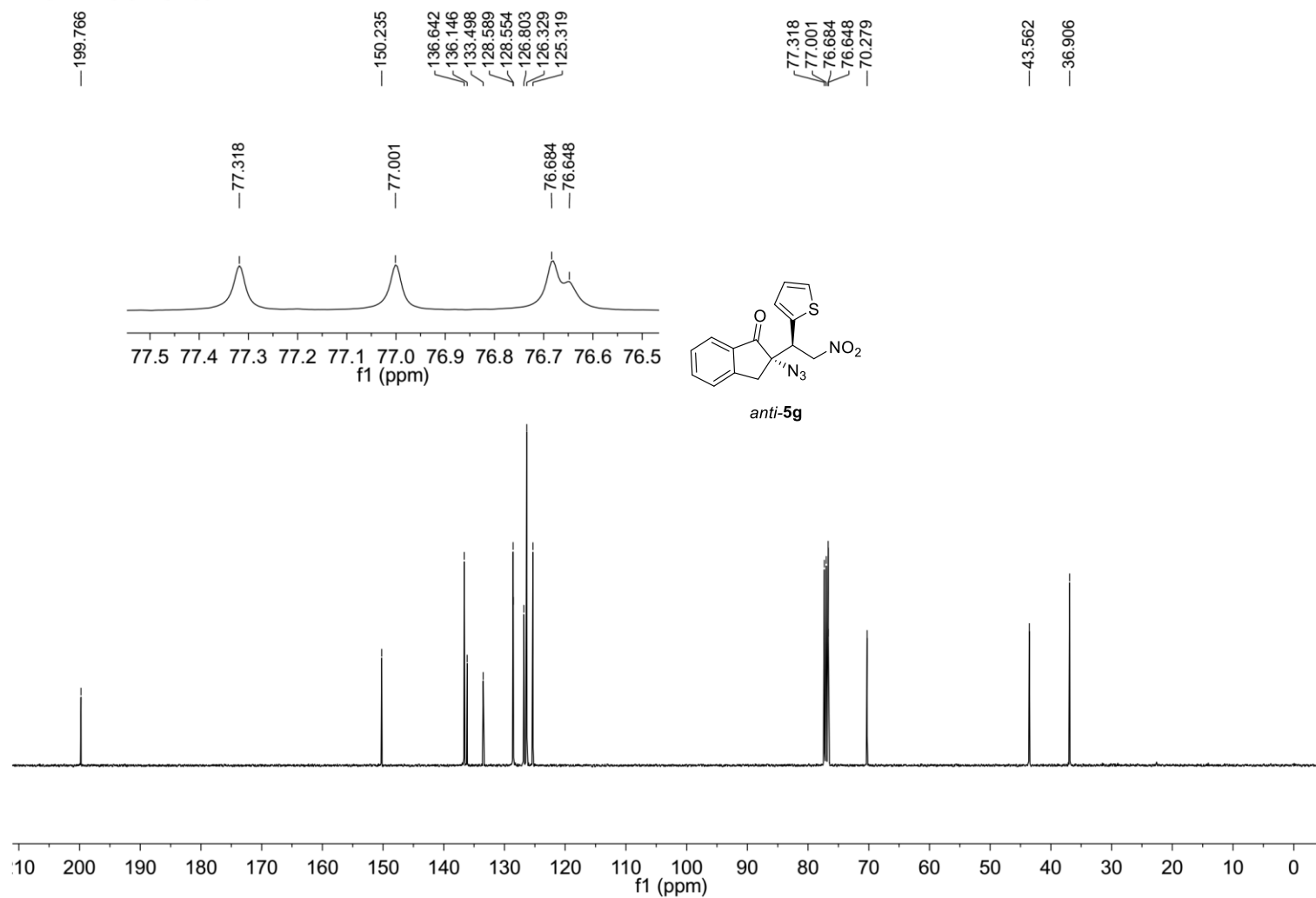
DPG-DE-28-6-3 C 100 MHz



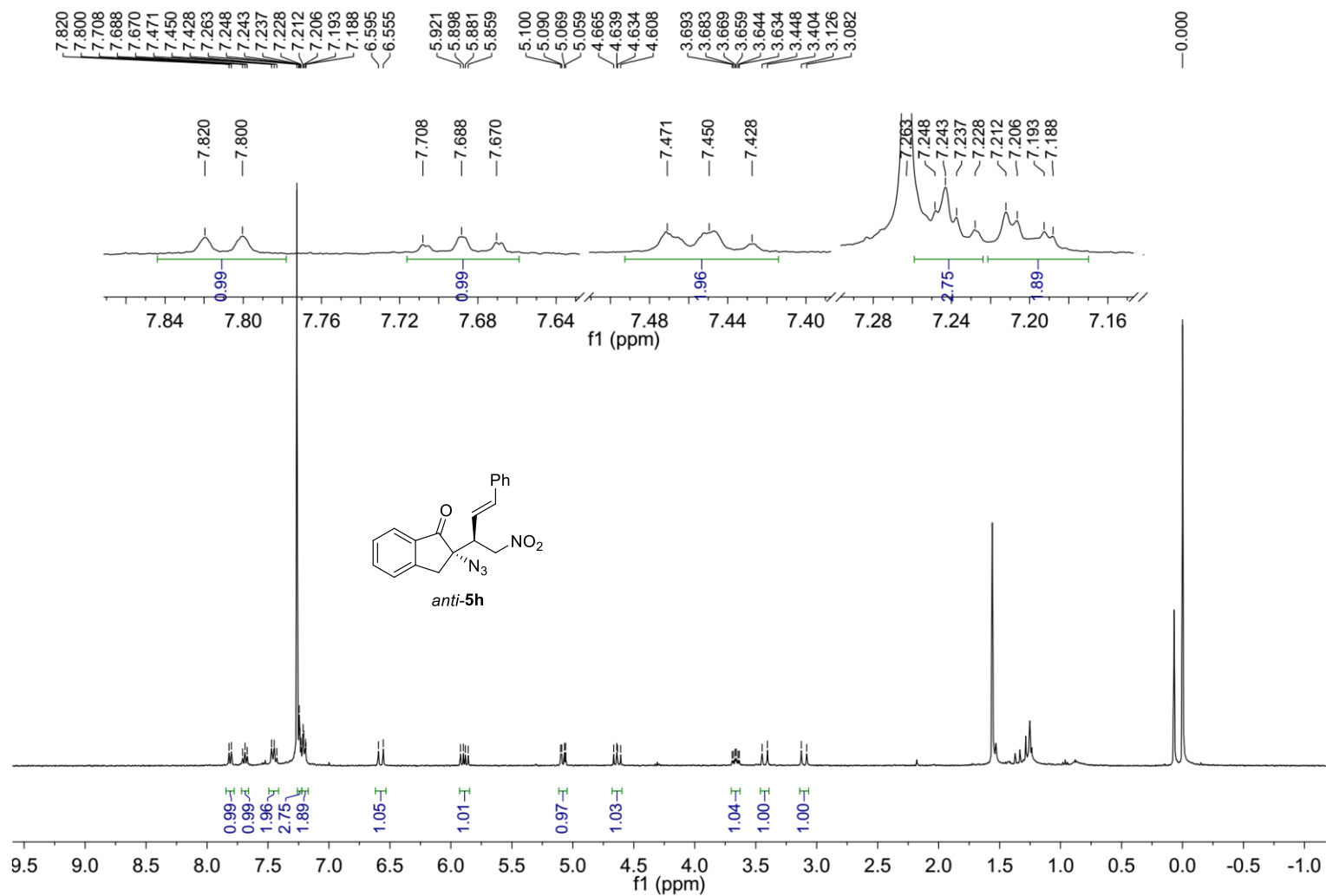
DPG-DE-28-5-2 H 400 MHz



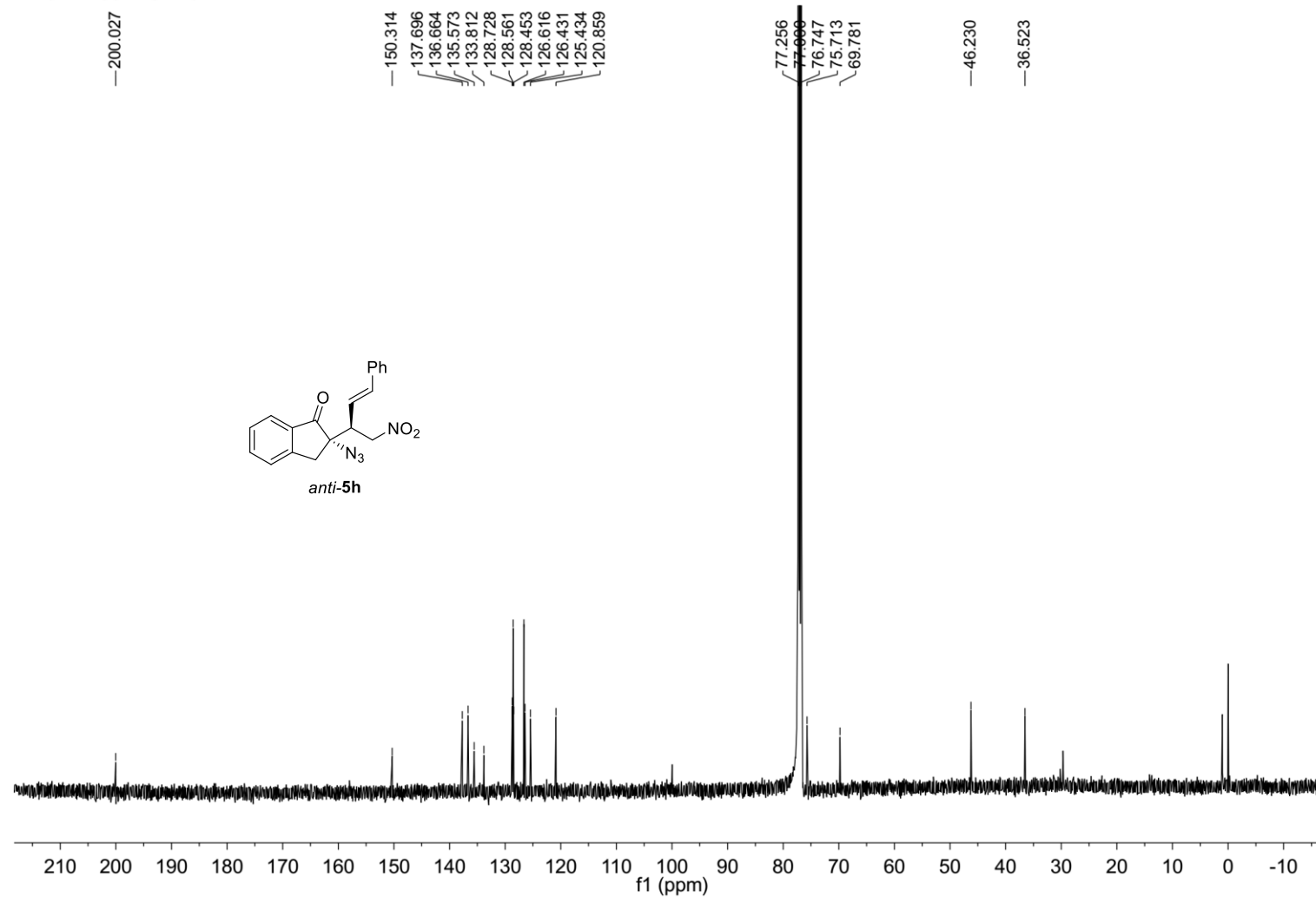
DPG-DE-28-5-2 C 100 MHz



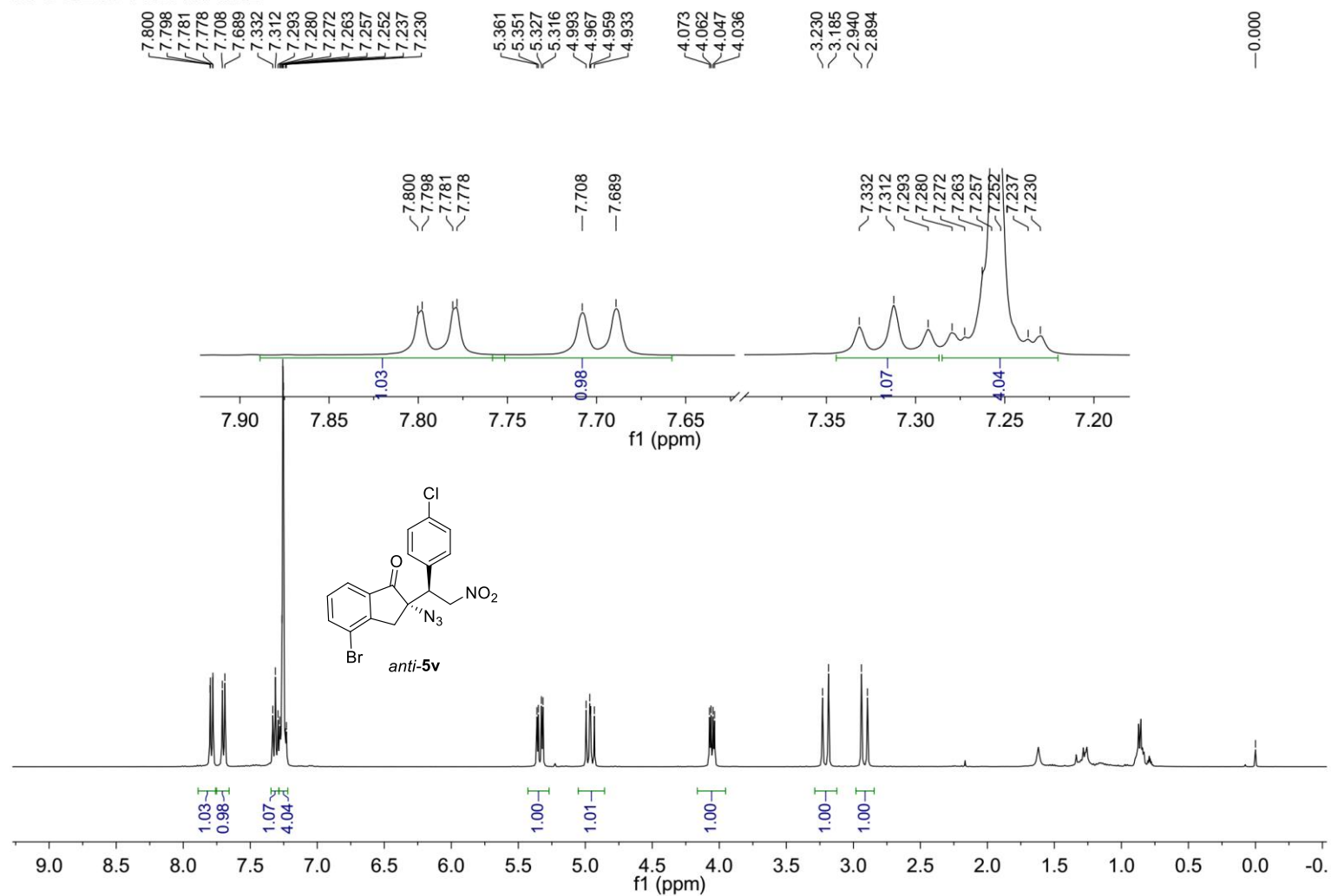
DPG-DE-53 400 MHz



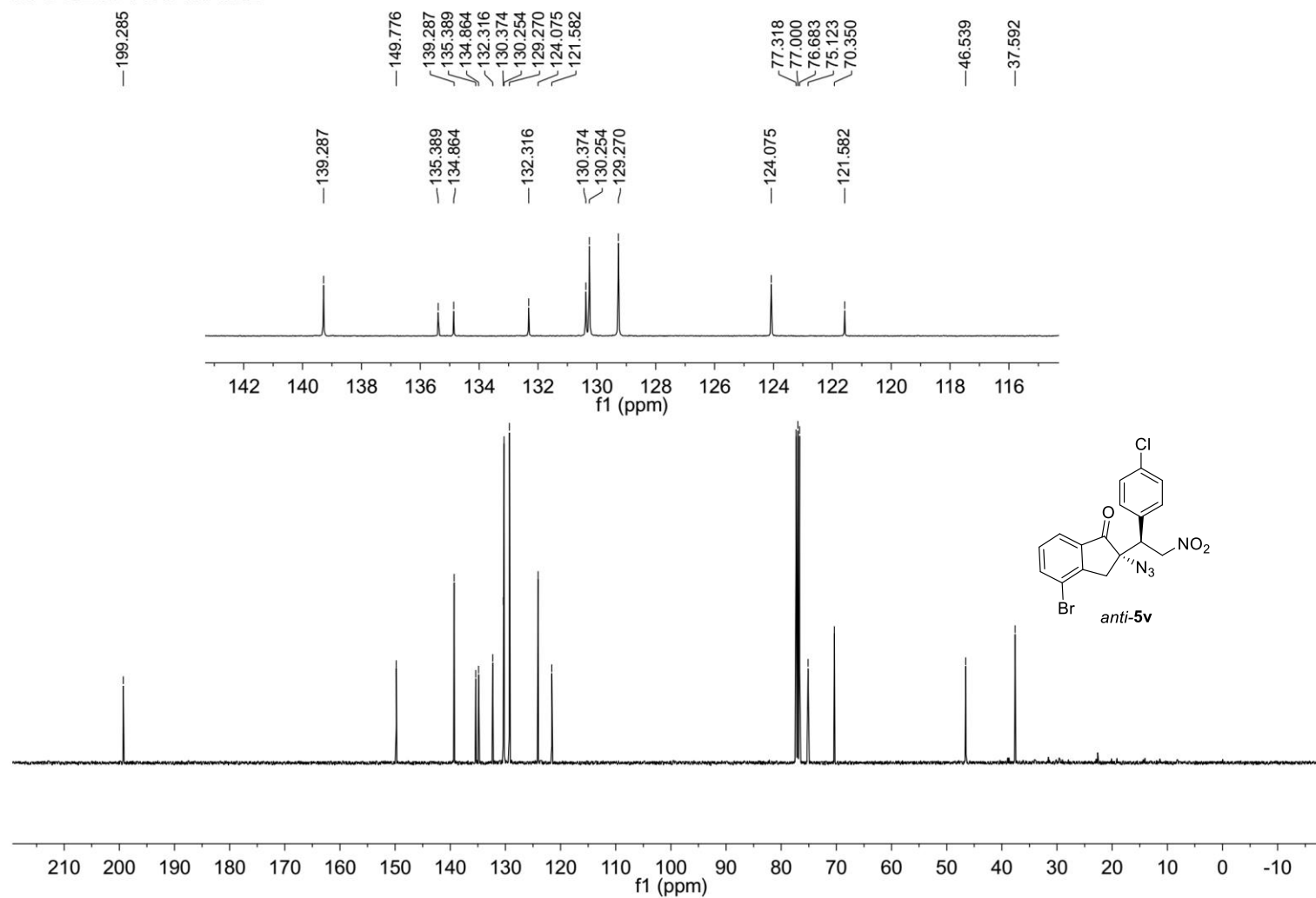
DPG-DE-53-B C 125 MHz



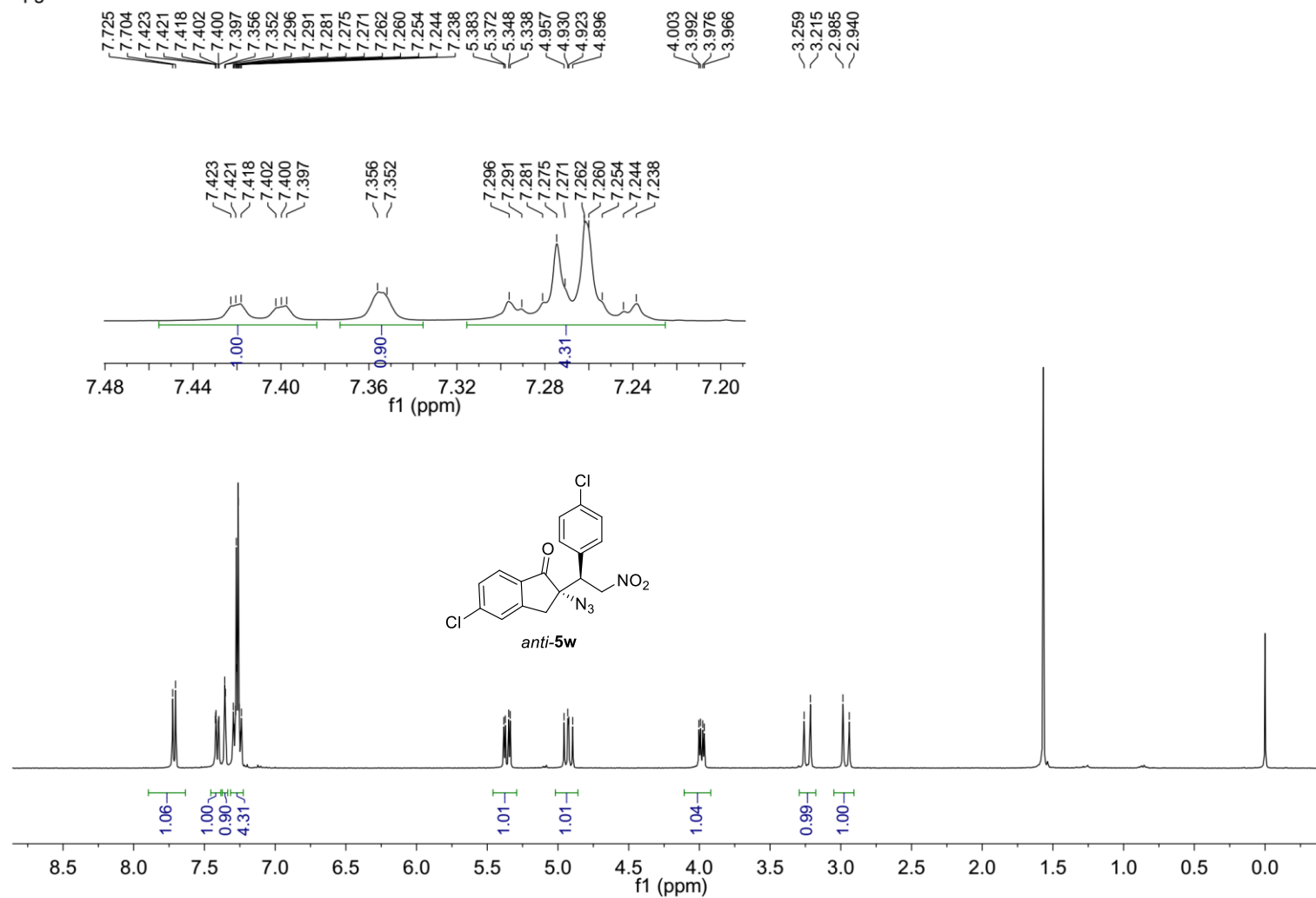
DPG-DE-35-1-2 H 400 MHz



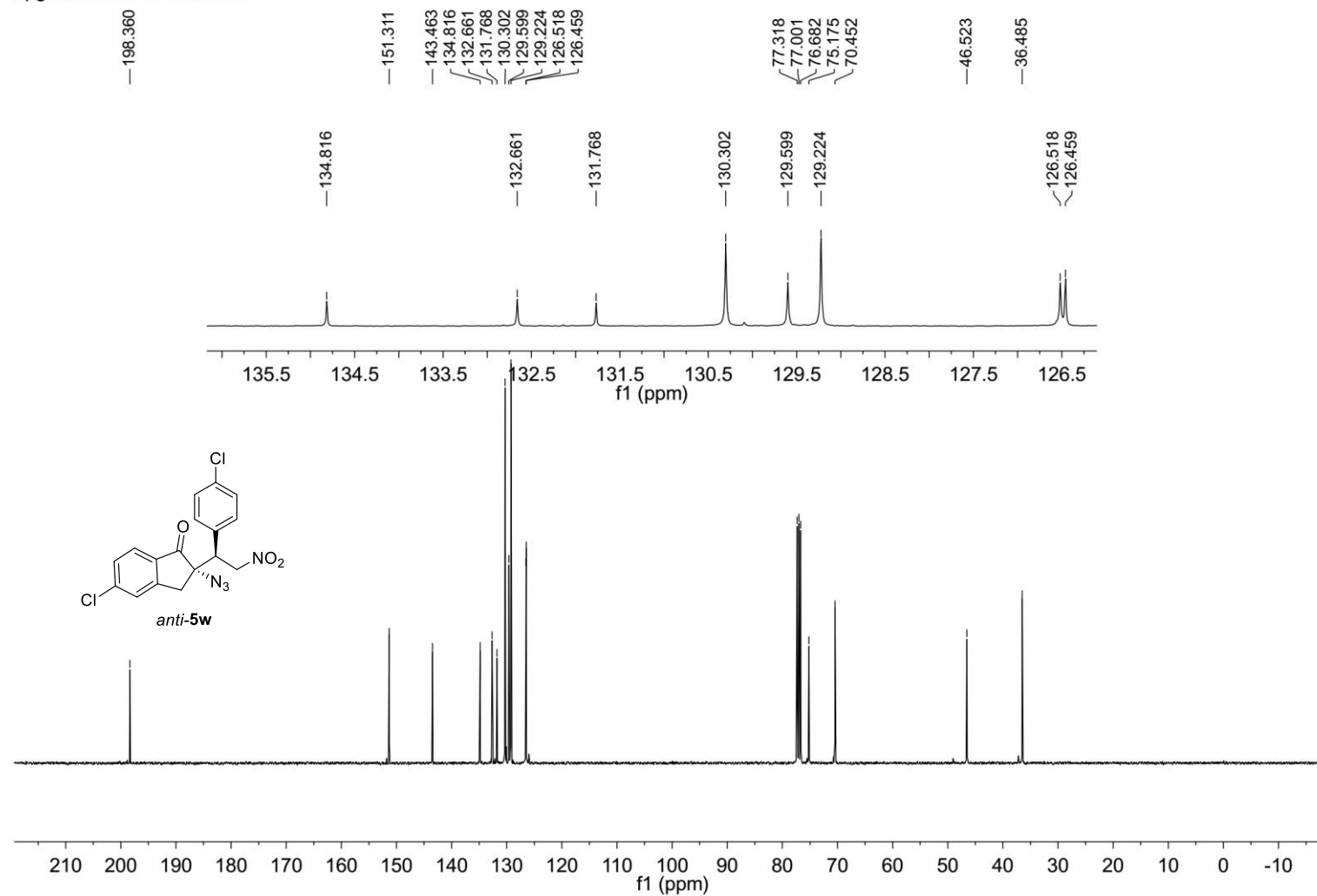
DPG-DE-35-1-2 C 100 MHz



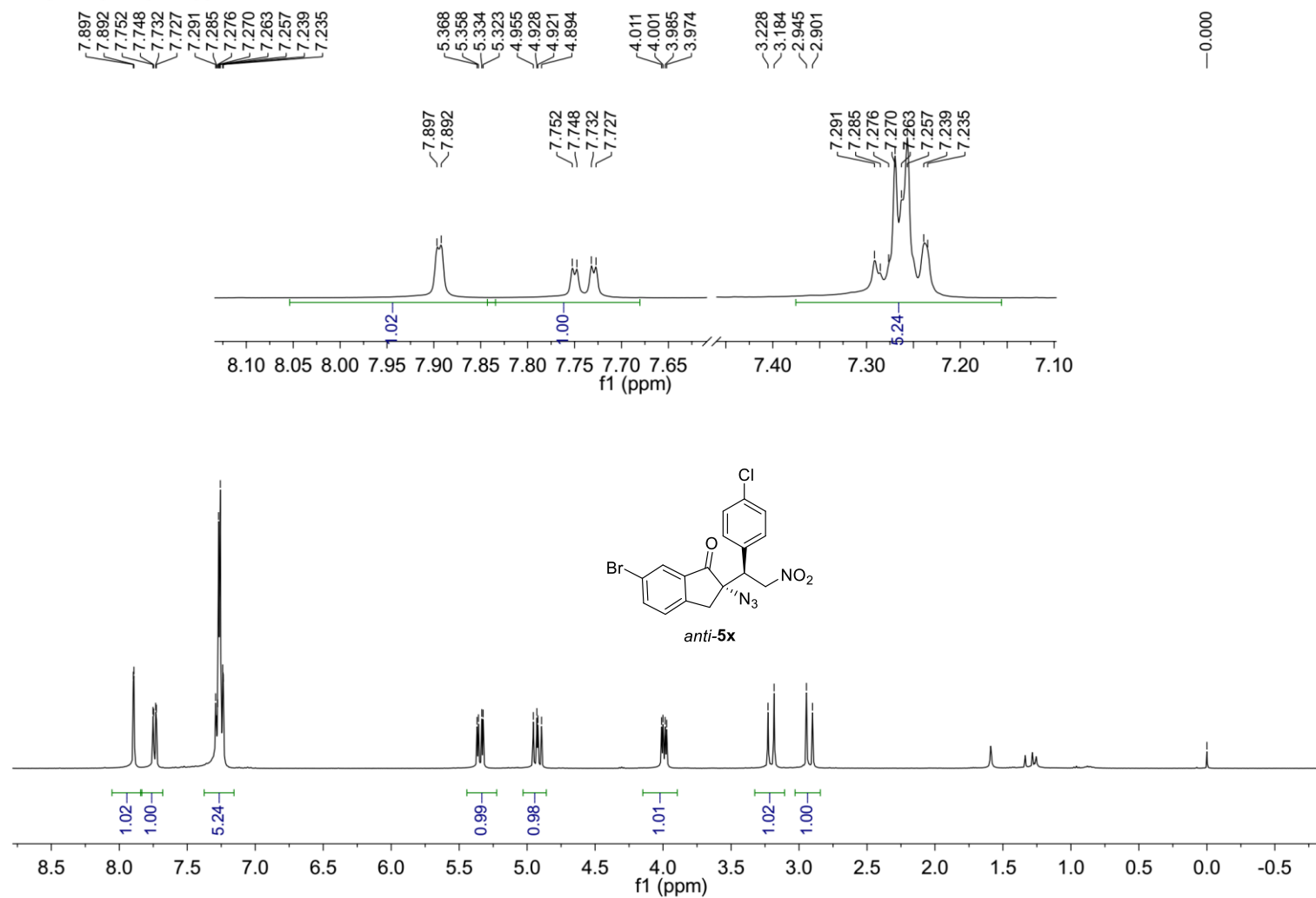
dpg-de-35-2-3 H 400 MHz



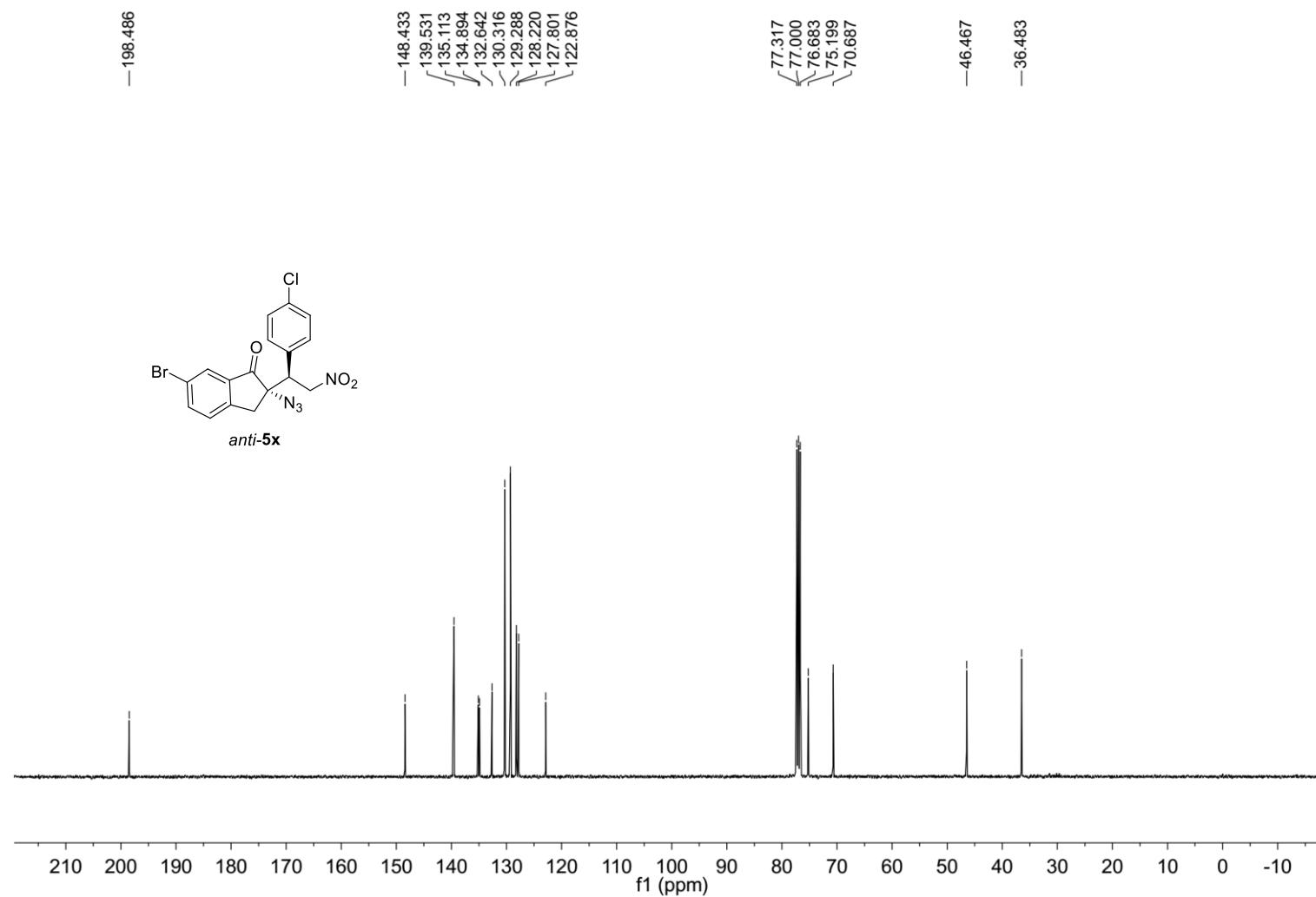
dpg-de-35-2-3 C 100 MHz



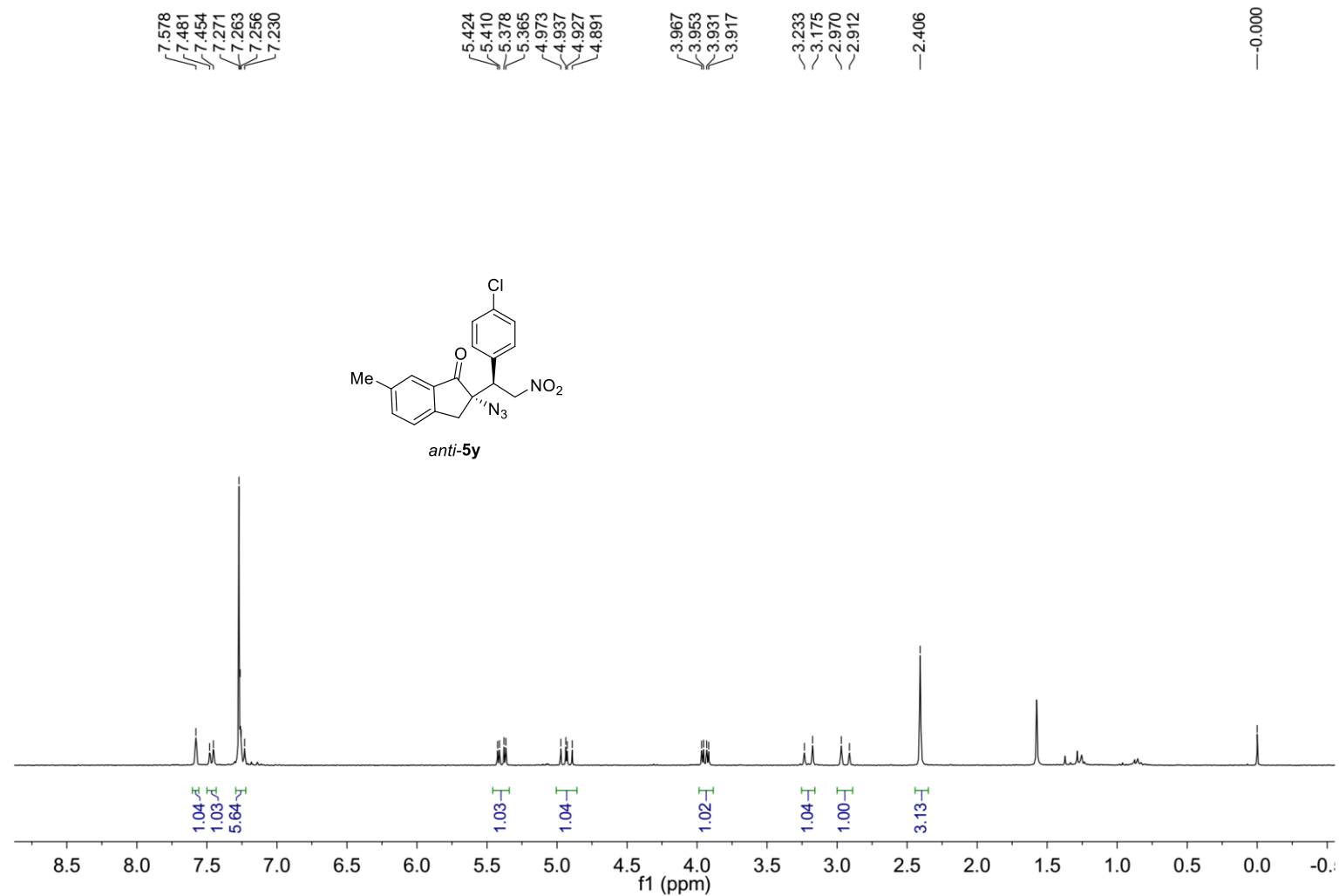
DPG-DE-51-1-3 H 400 MHz



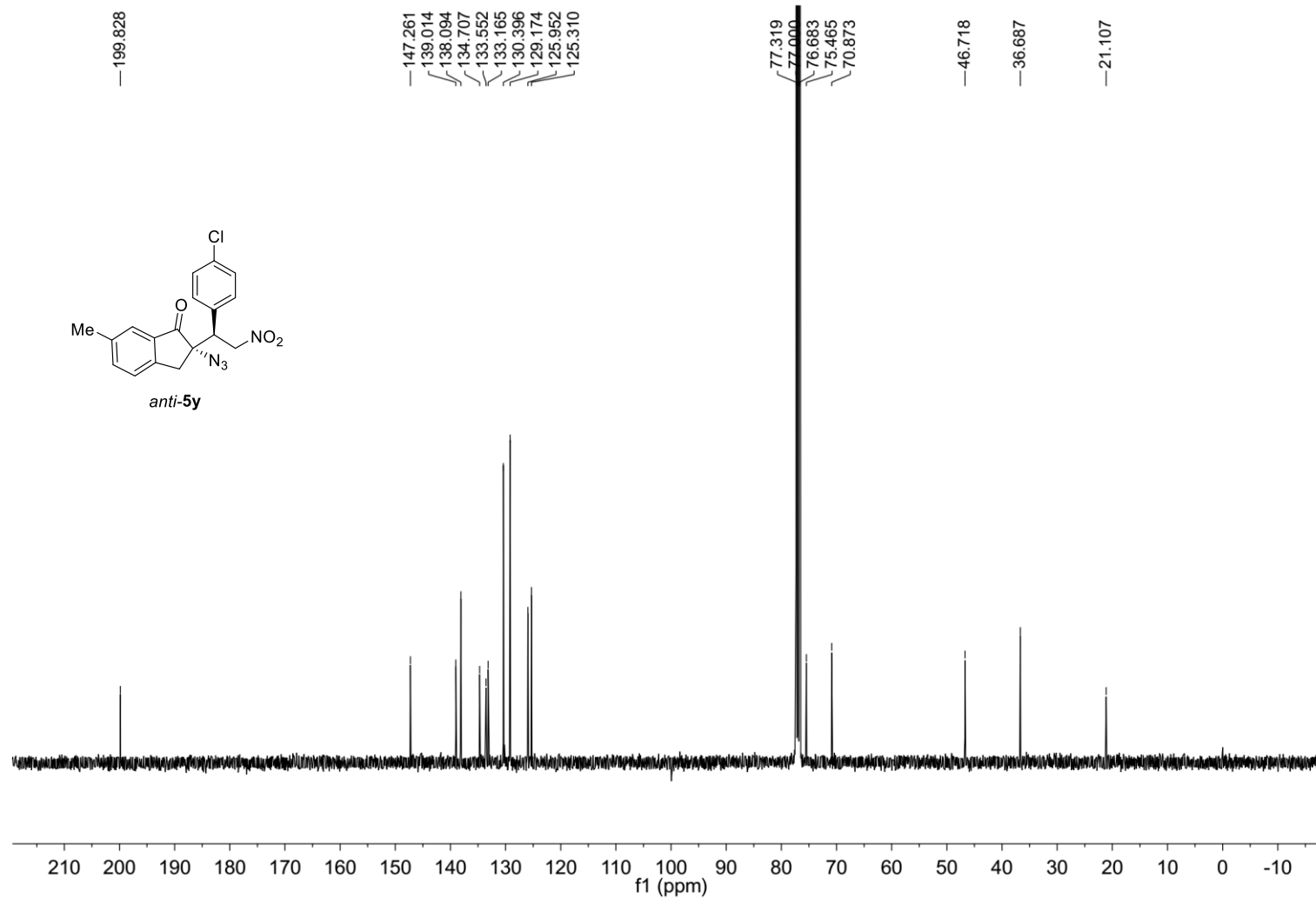
DPG-DE-51-1-3 C 100 MHz



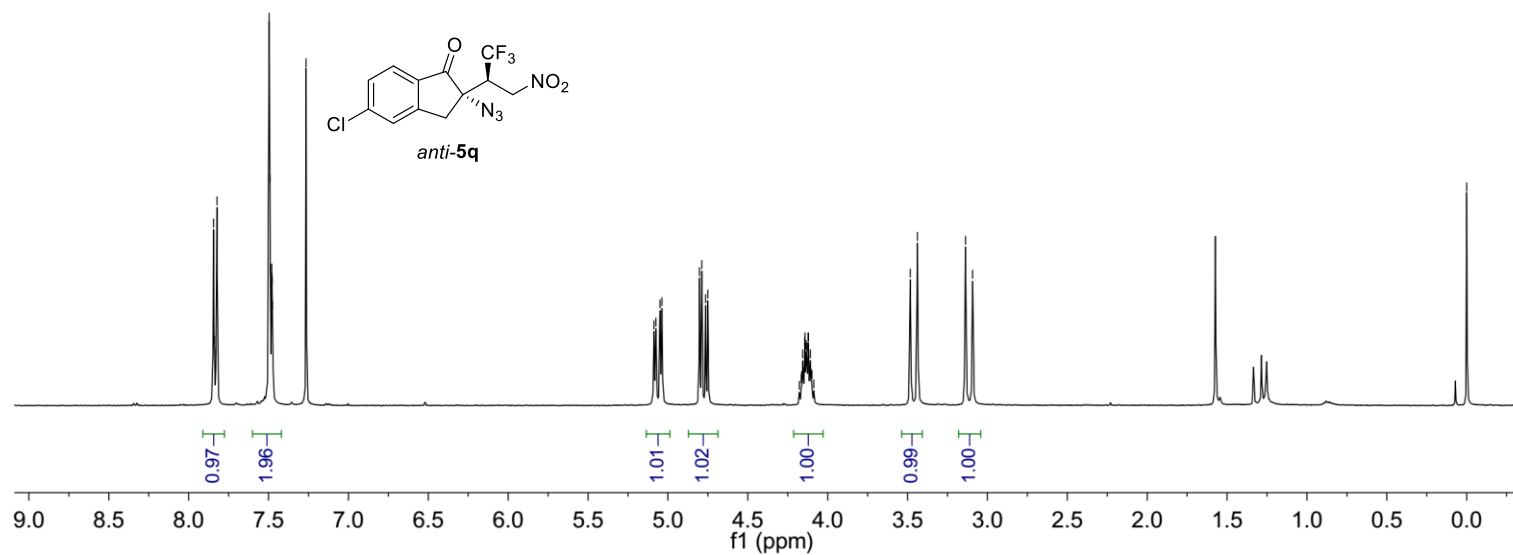
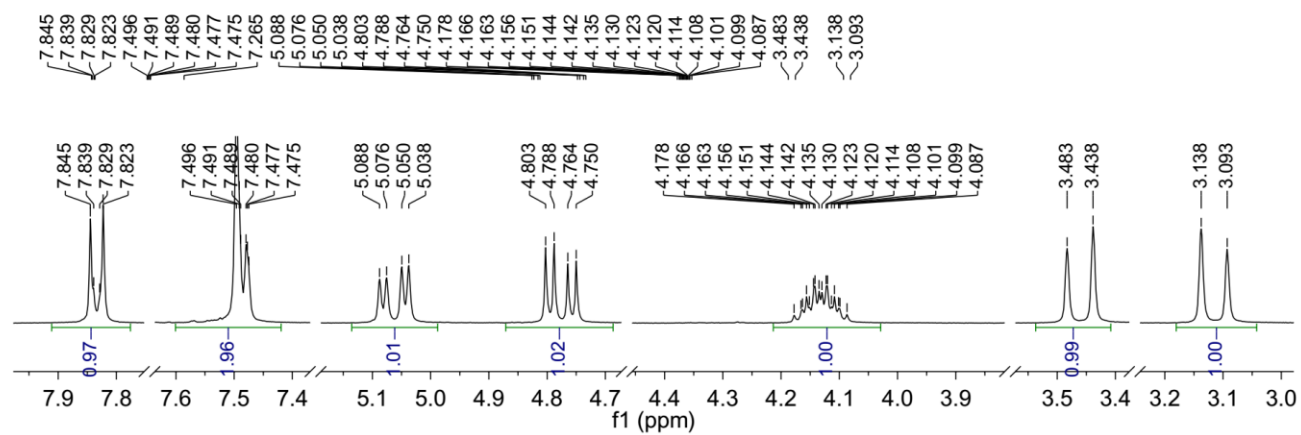
DPG-DE-51-2-2 H 300 MHz



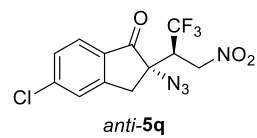
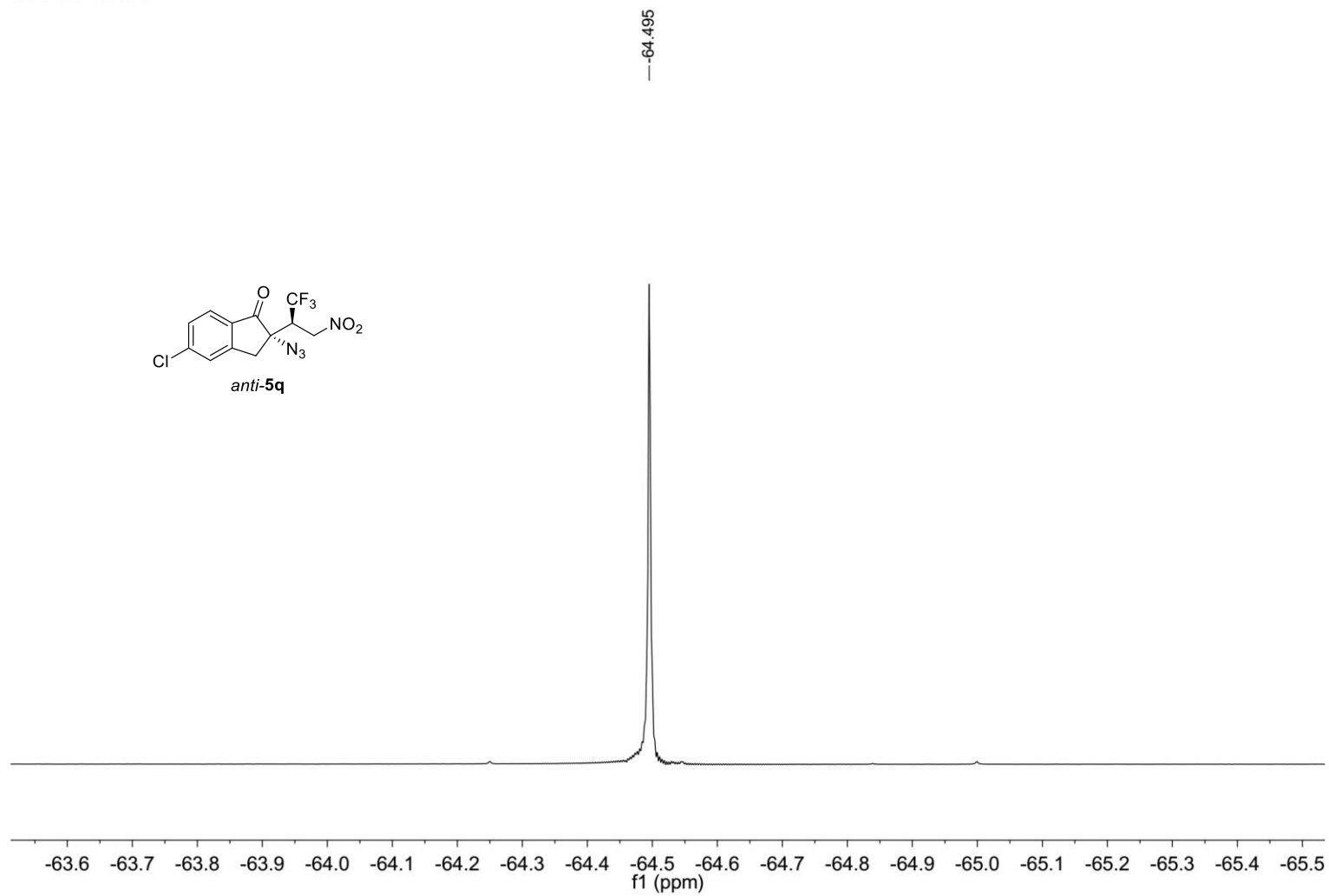
DPG-DE-51-2-3 C 100 MHz



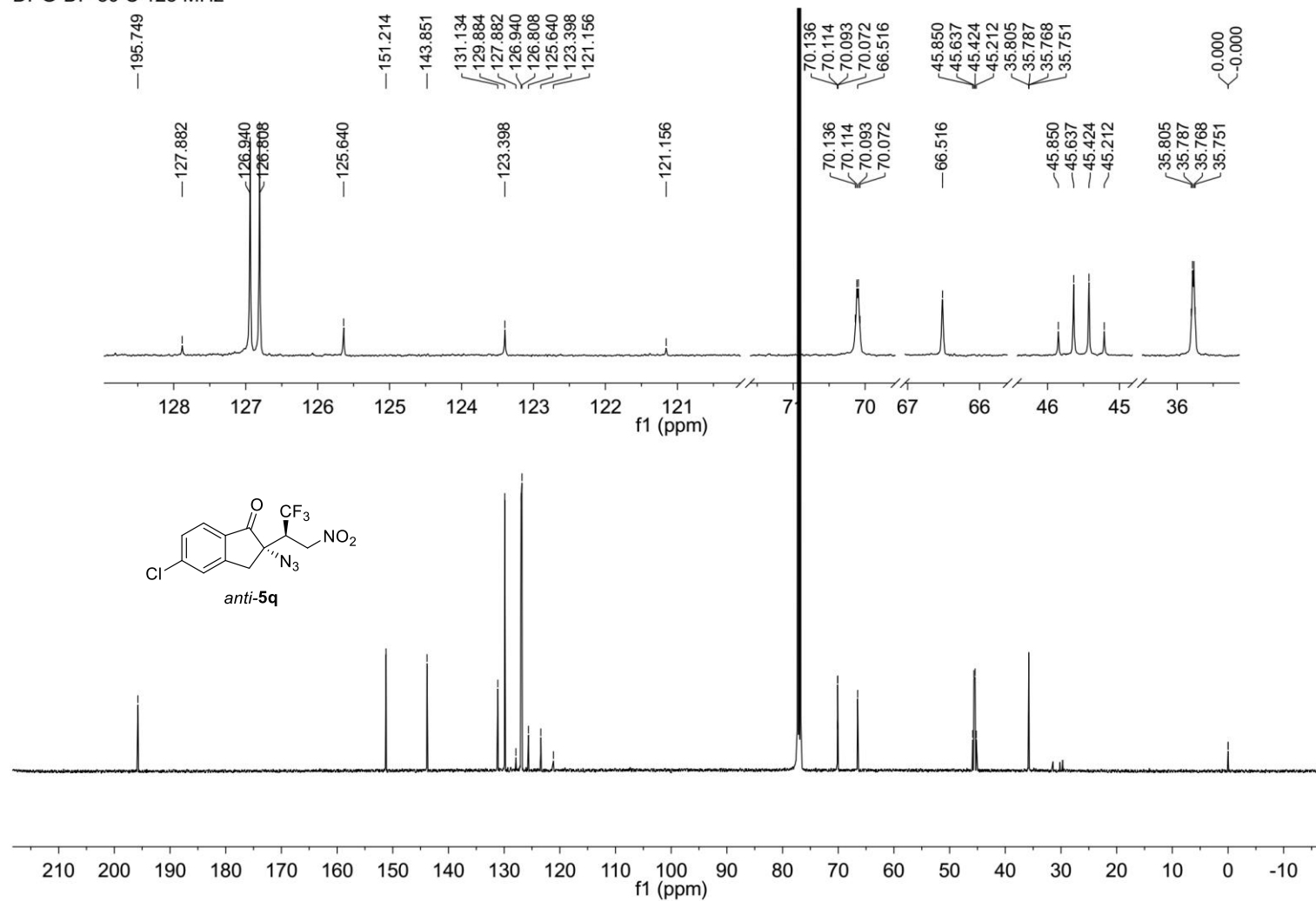
DPG-DF-80-B H 400 MHz



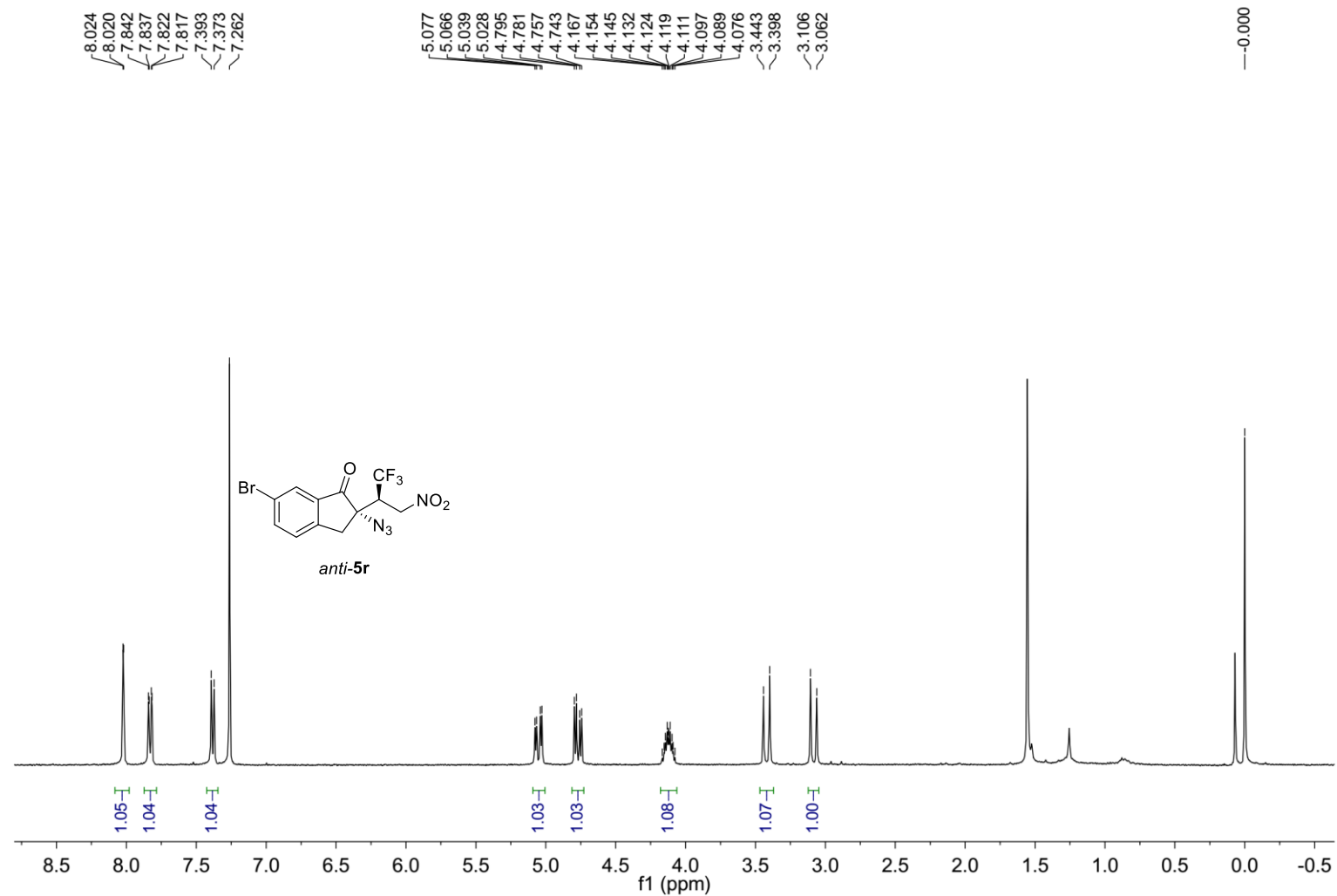
DPG-DF-80-B F



DPG-DF-80 C 125 MHz

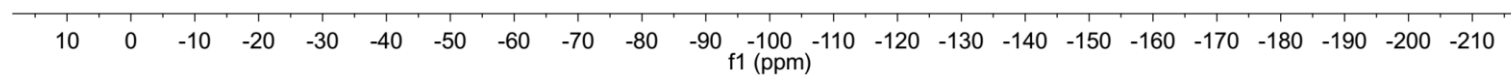
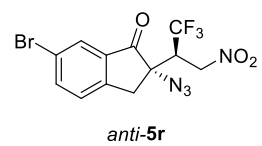


DPG-DF-71-B-3 H 400 MHz

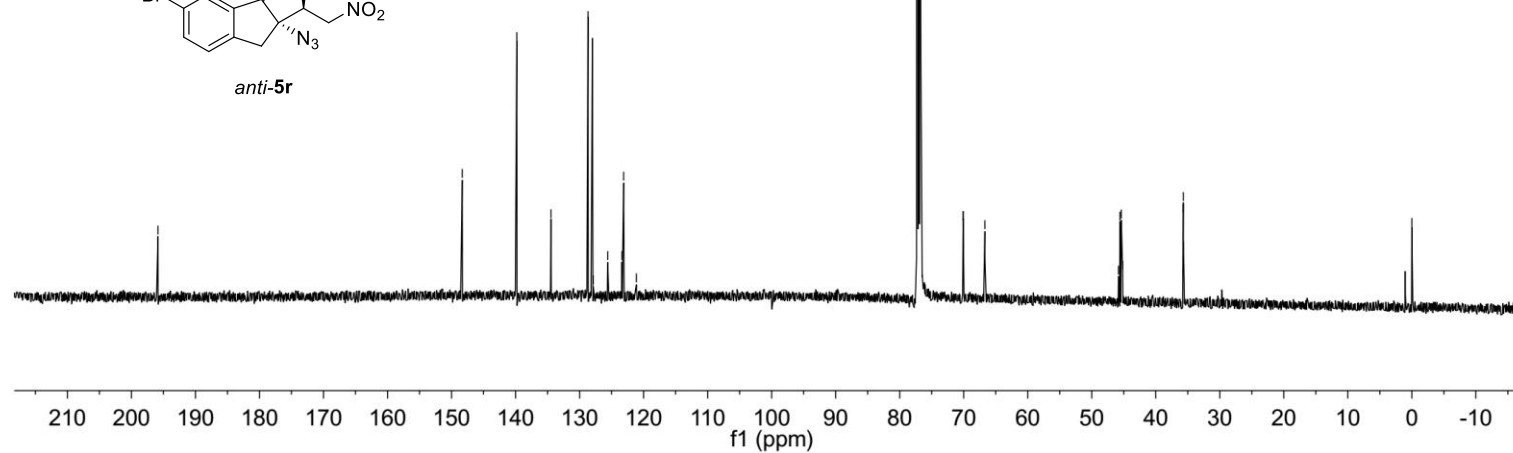
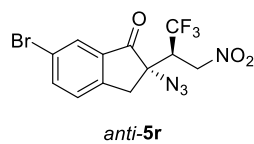
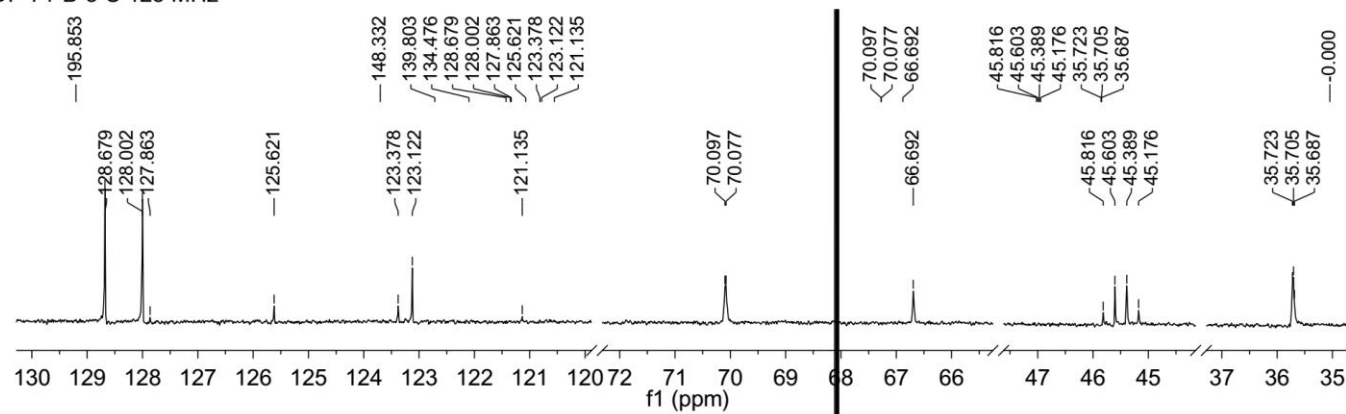


DPG-DF-71-B-3 F 376 MHz

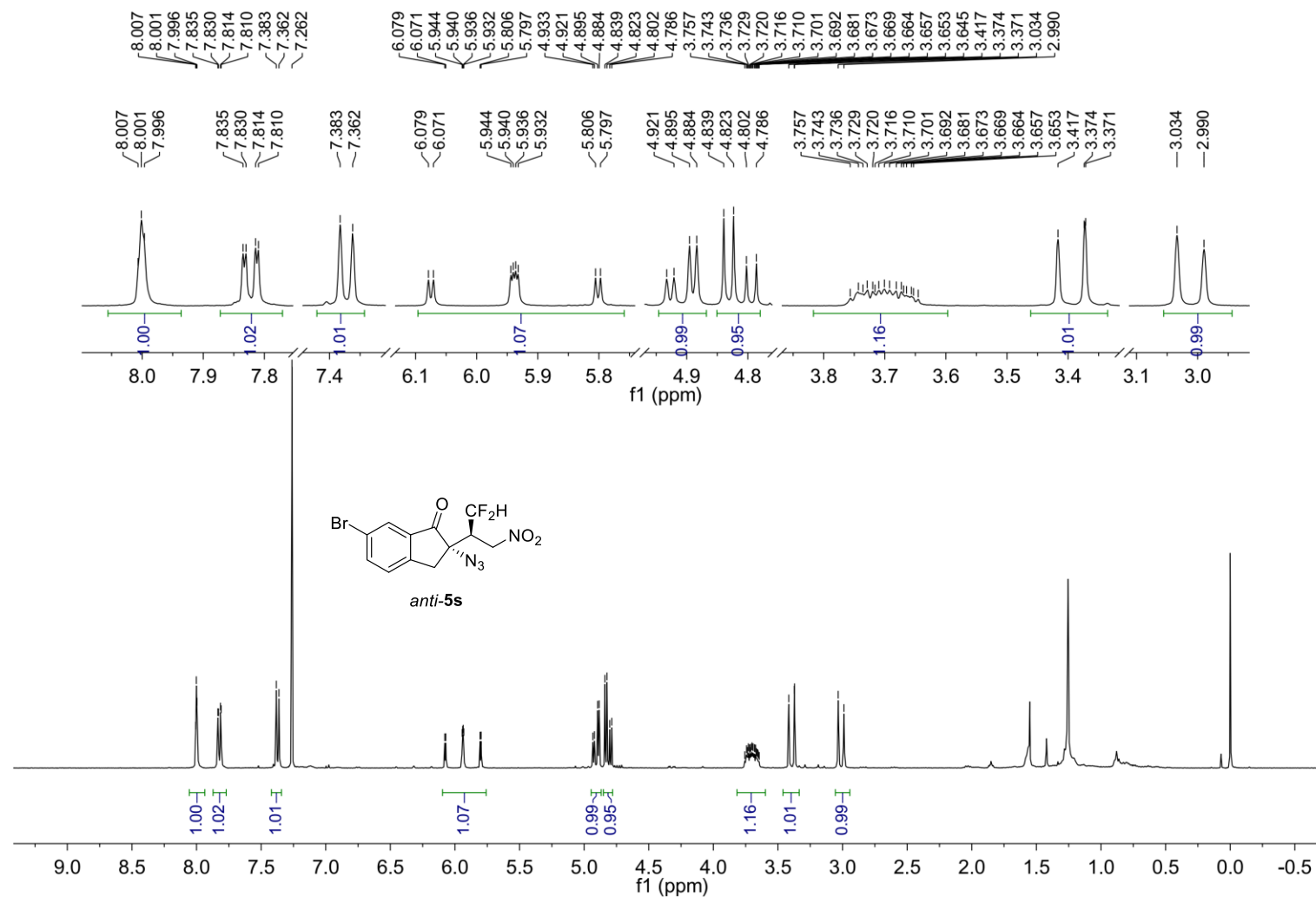
—64.475



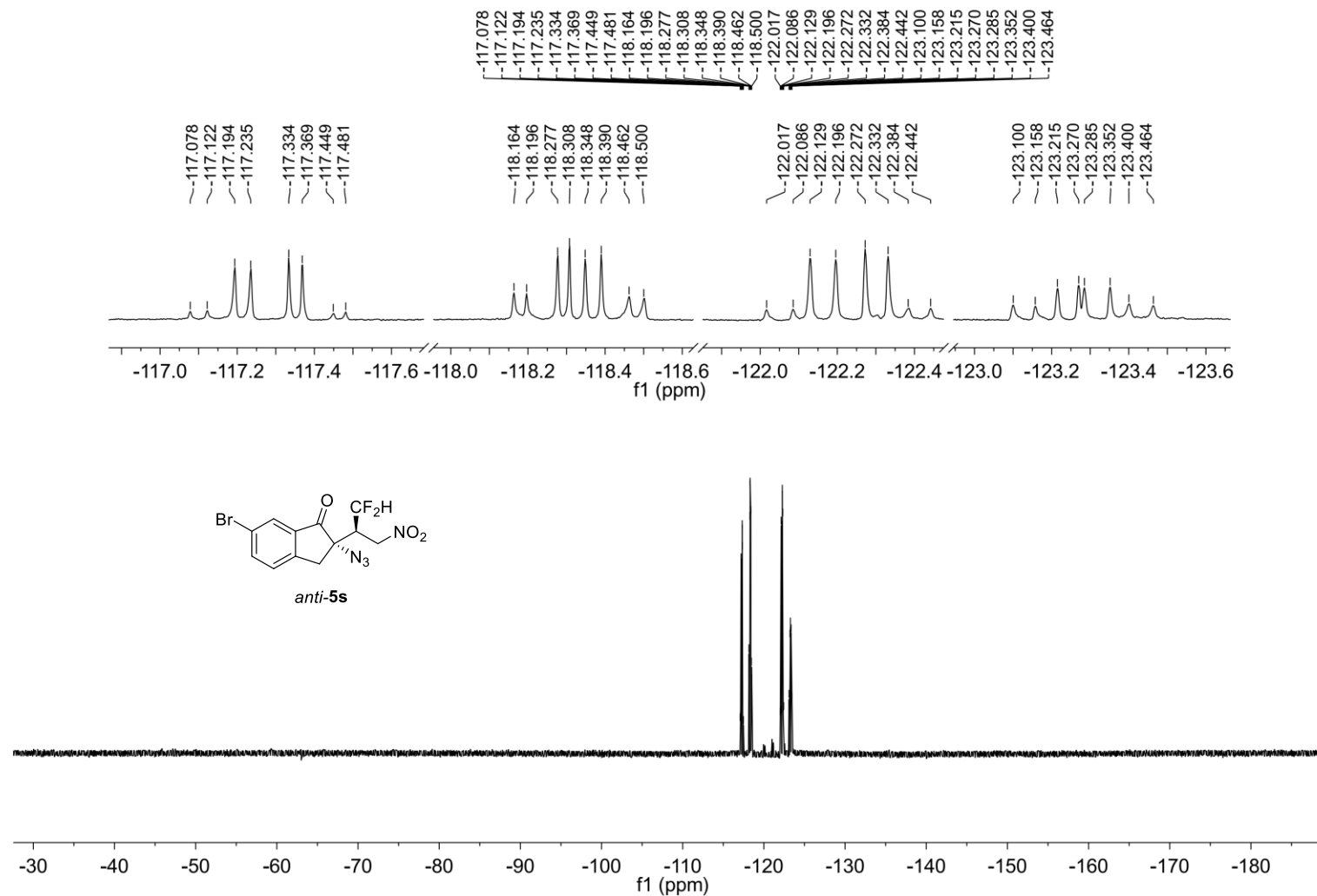
DPG-DF-71-B-3 C 125 MHz



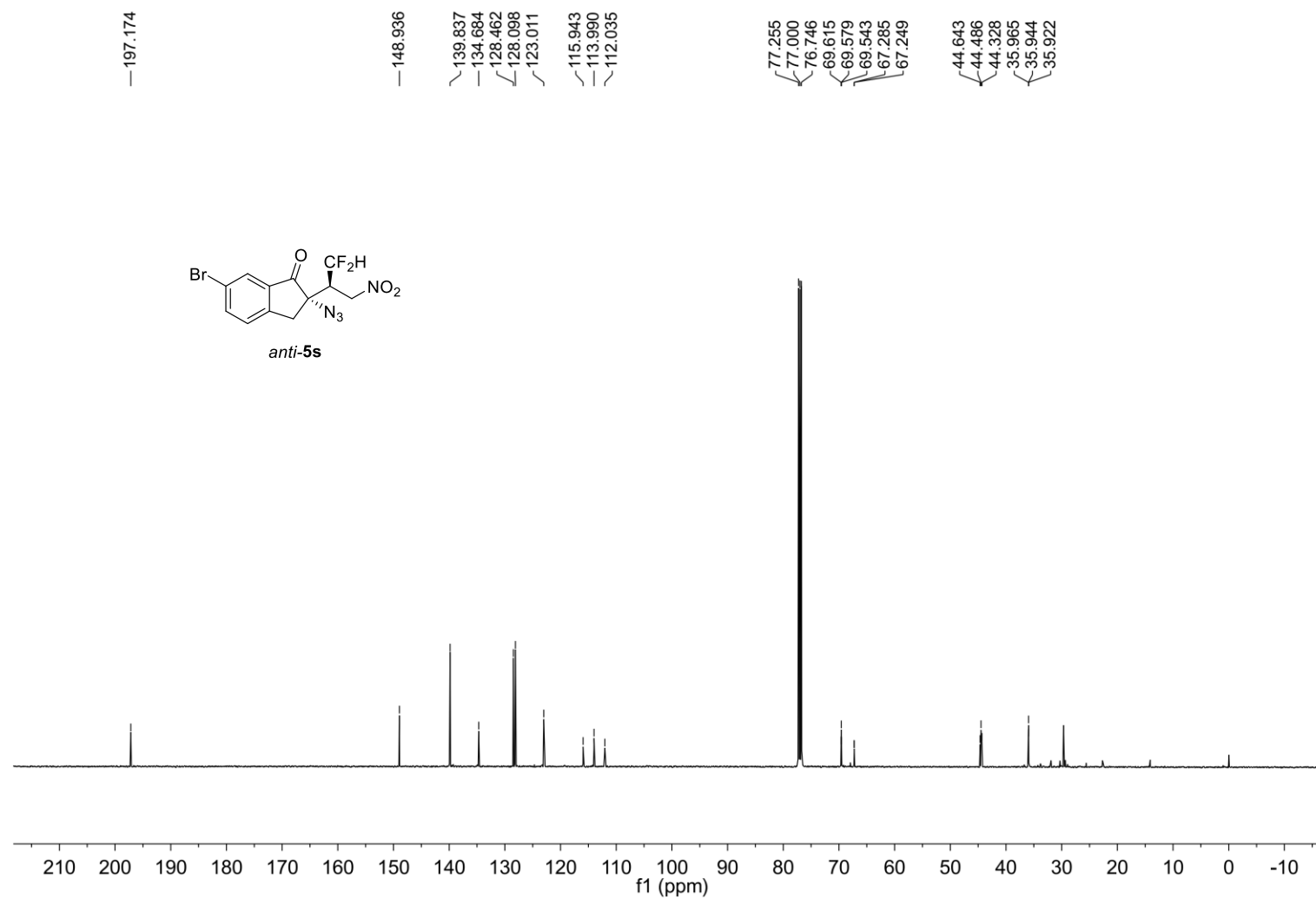
DPG-DK-121 H 400 MHz



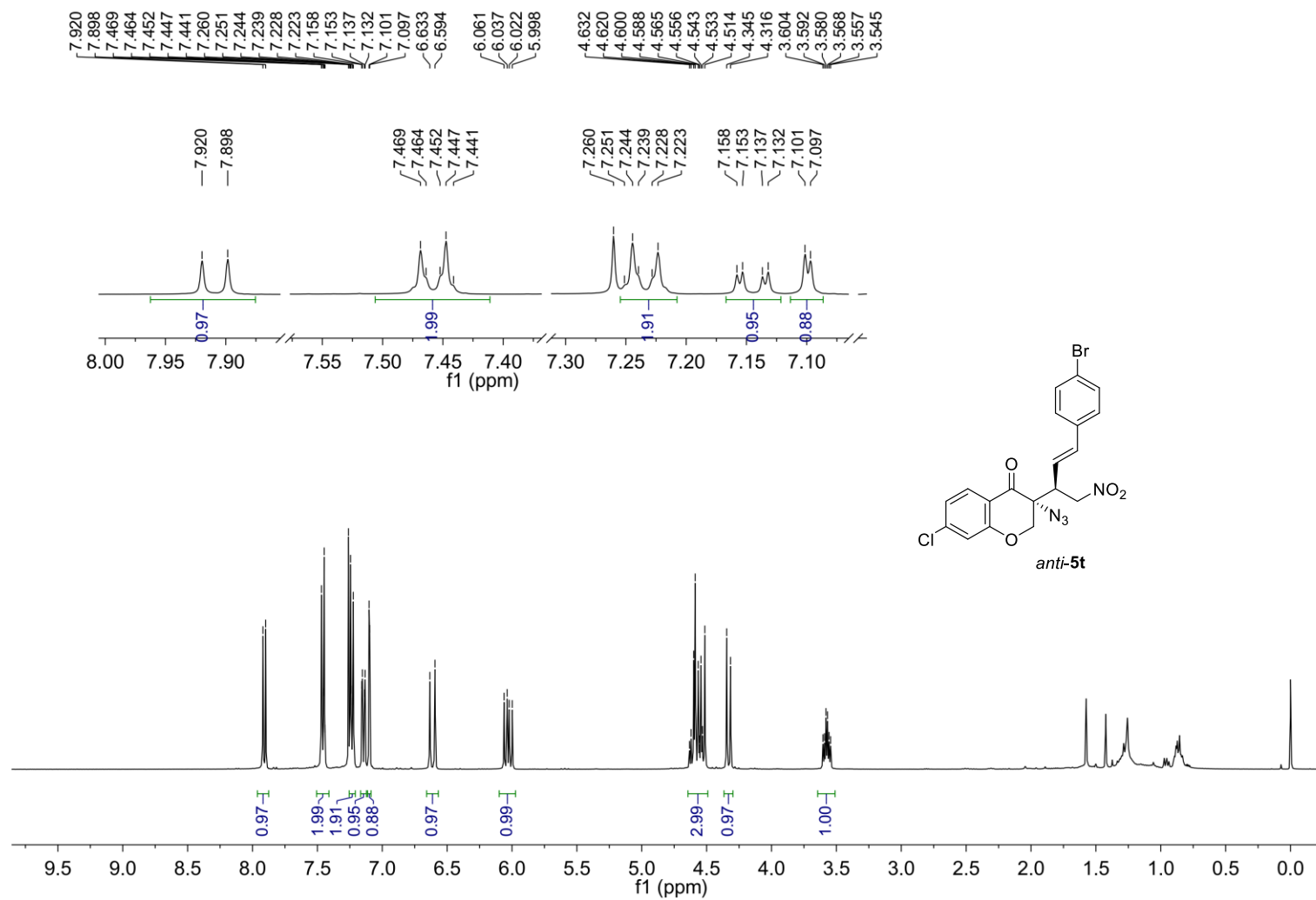
DPG-DK-121 F 282 MHz



DPG-DK-121 C 125 MHz



DPG-DN-16-2 H 400 MHz



DPG-DN-16-2 C 100 MHz

—188.172

—161.104

—143.825

—137.273

—134.301

—131.873

—129.584

—128.257

—123.941

—122.700

—120.969

—118.286

—117.488

77.362

77.044

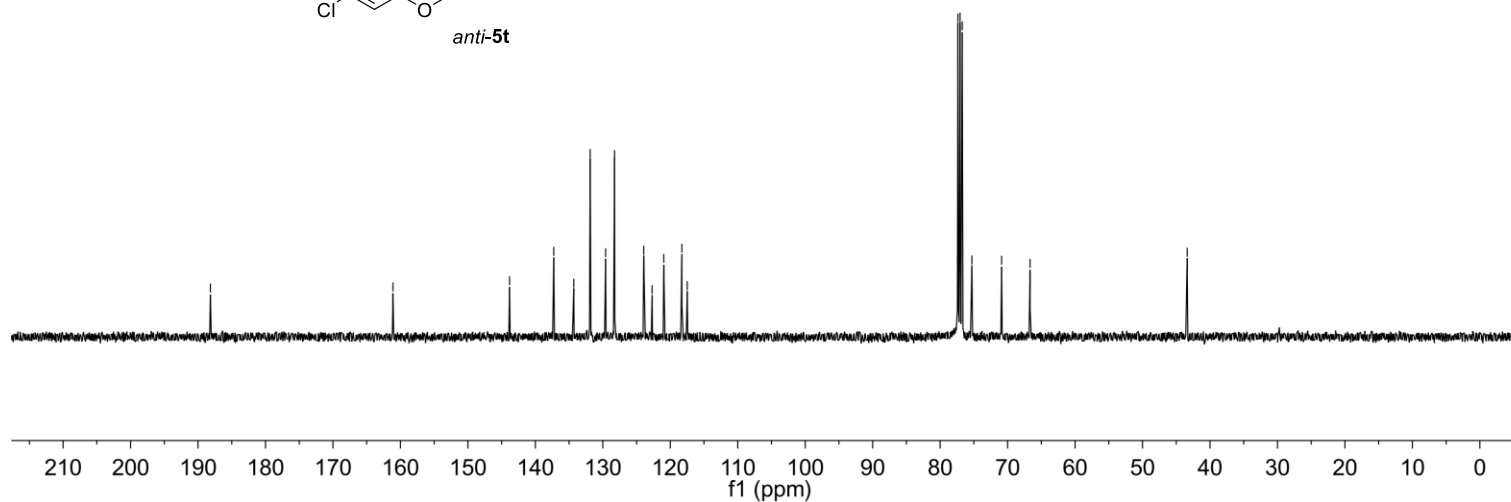
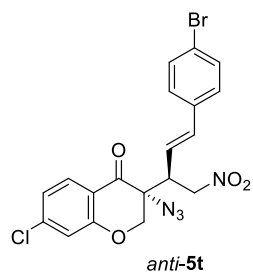
76.727

75.293

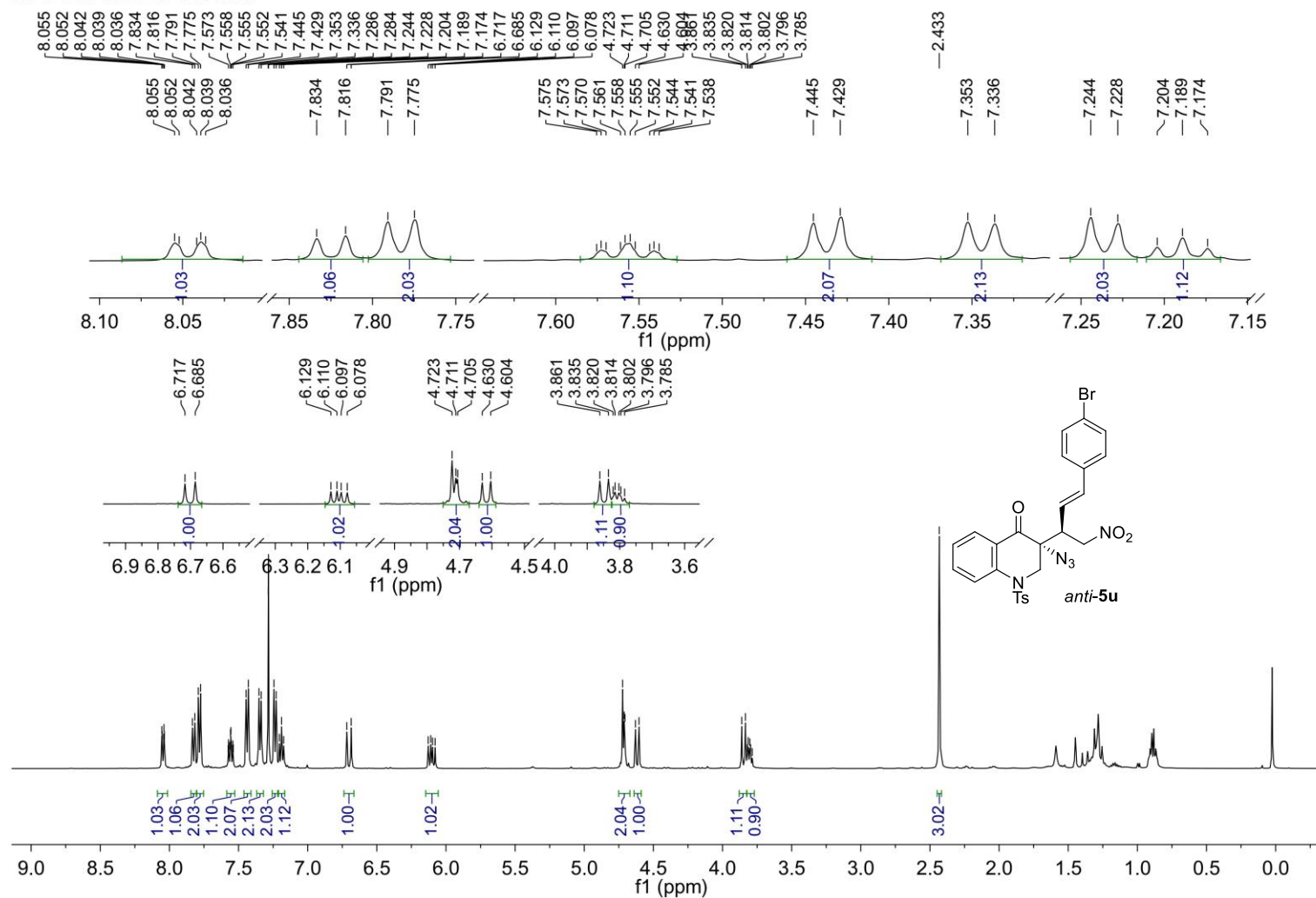
70.885

66.670

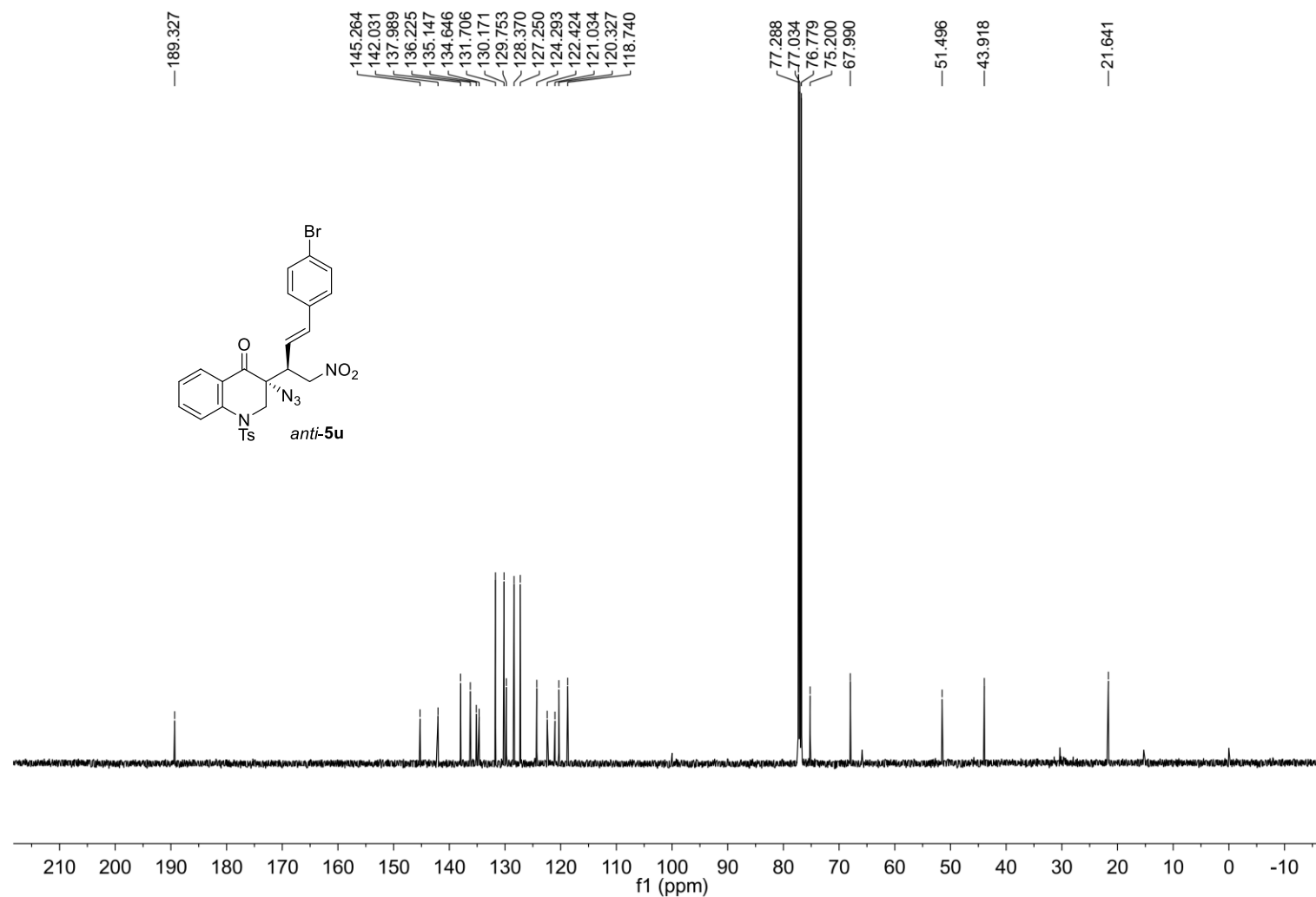
—43.380



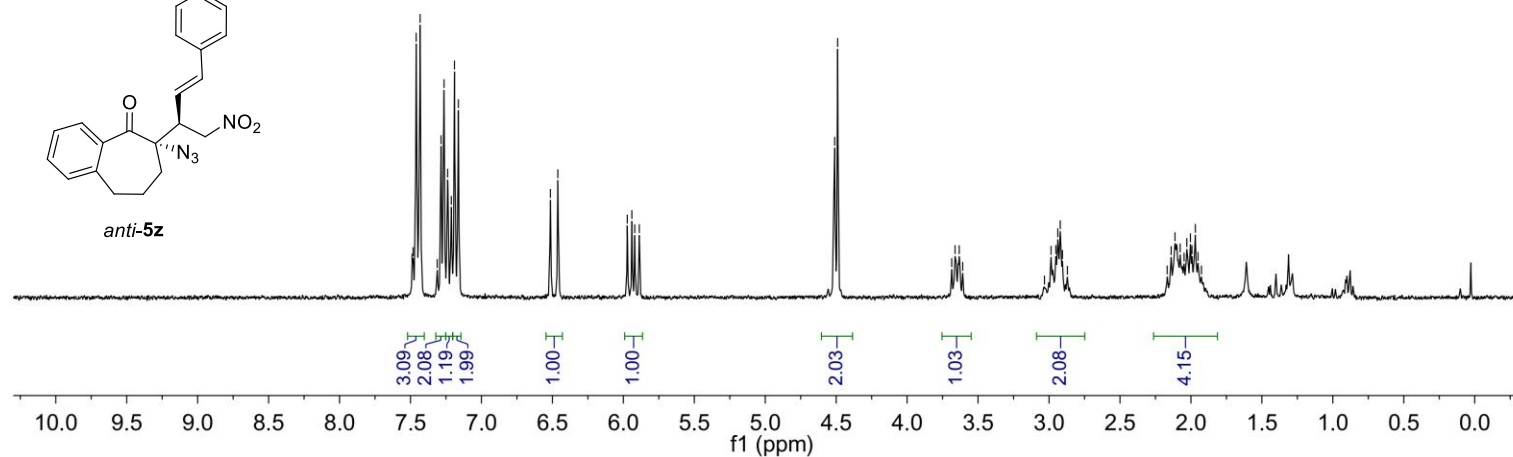
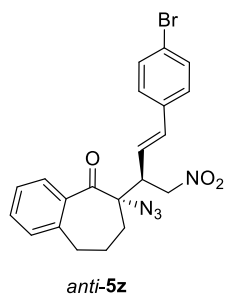
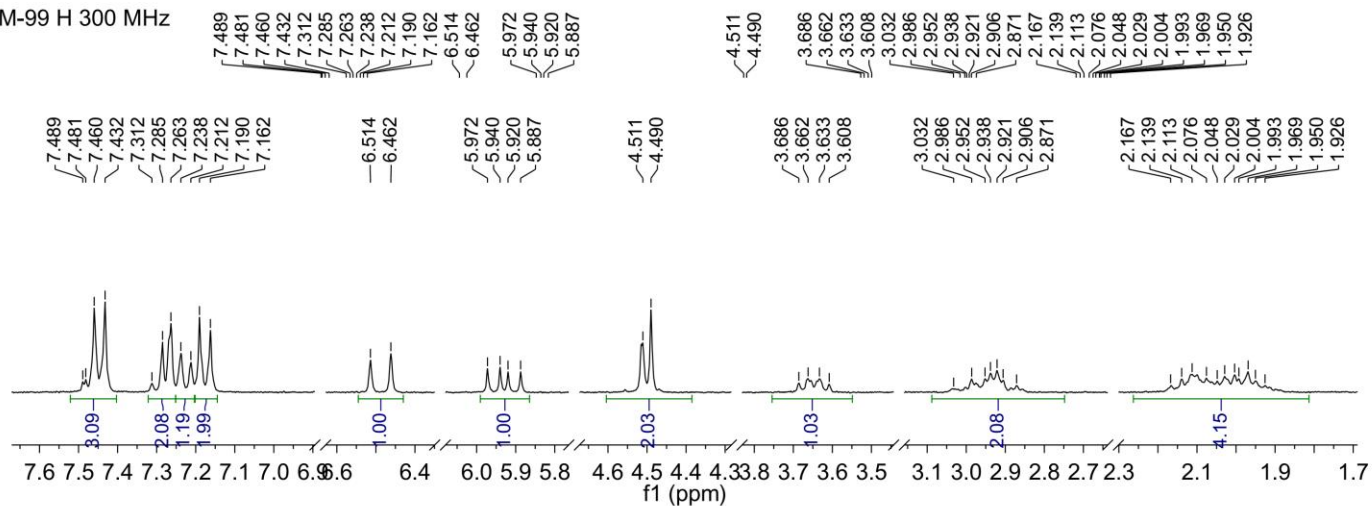
DPG-DM-129-2 H 500 MHz



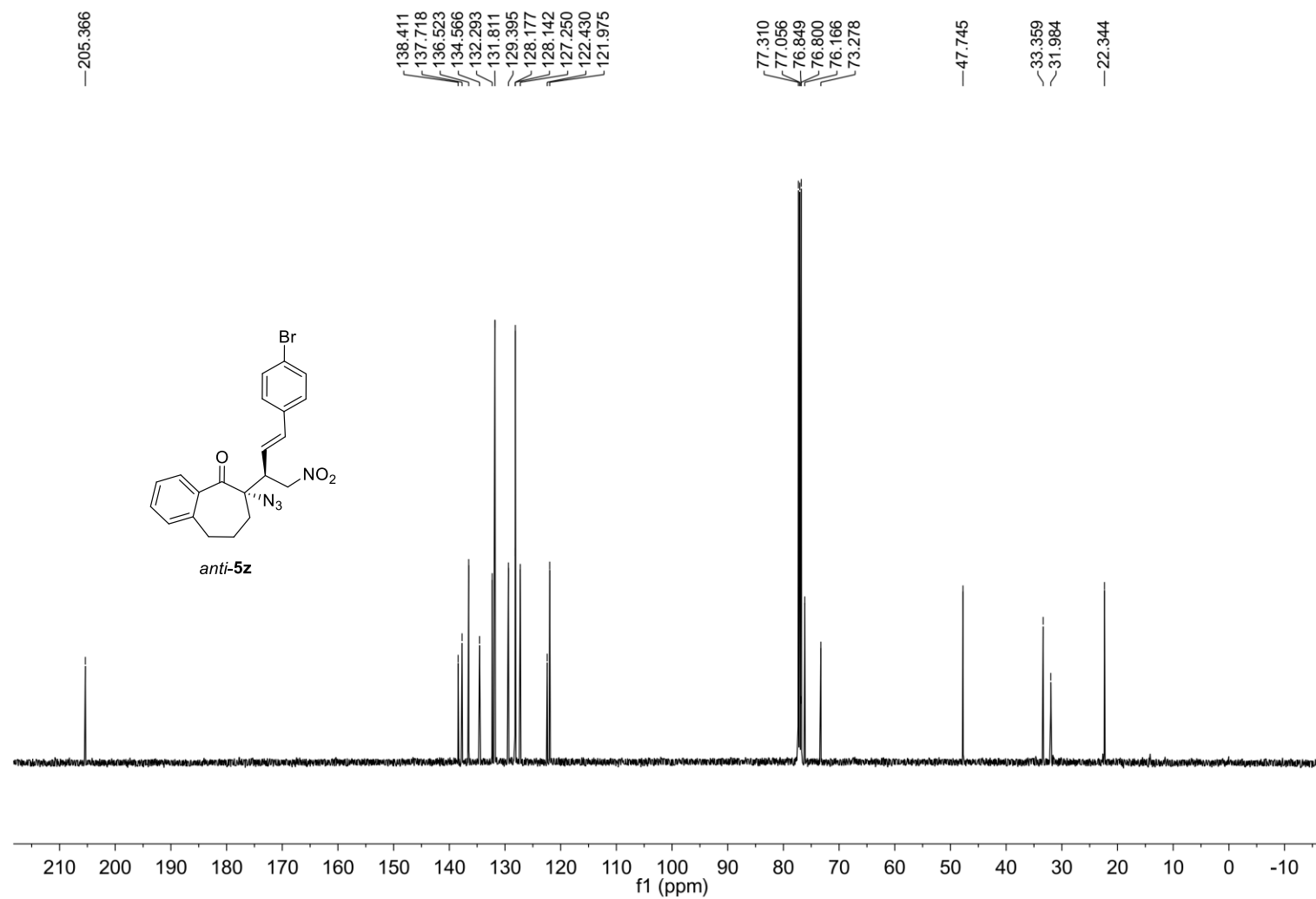
DPG-DM-129-2 C 125 MHz

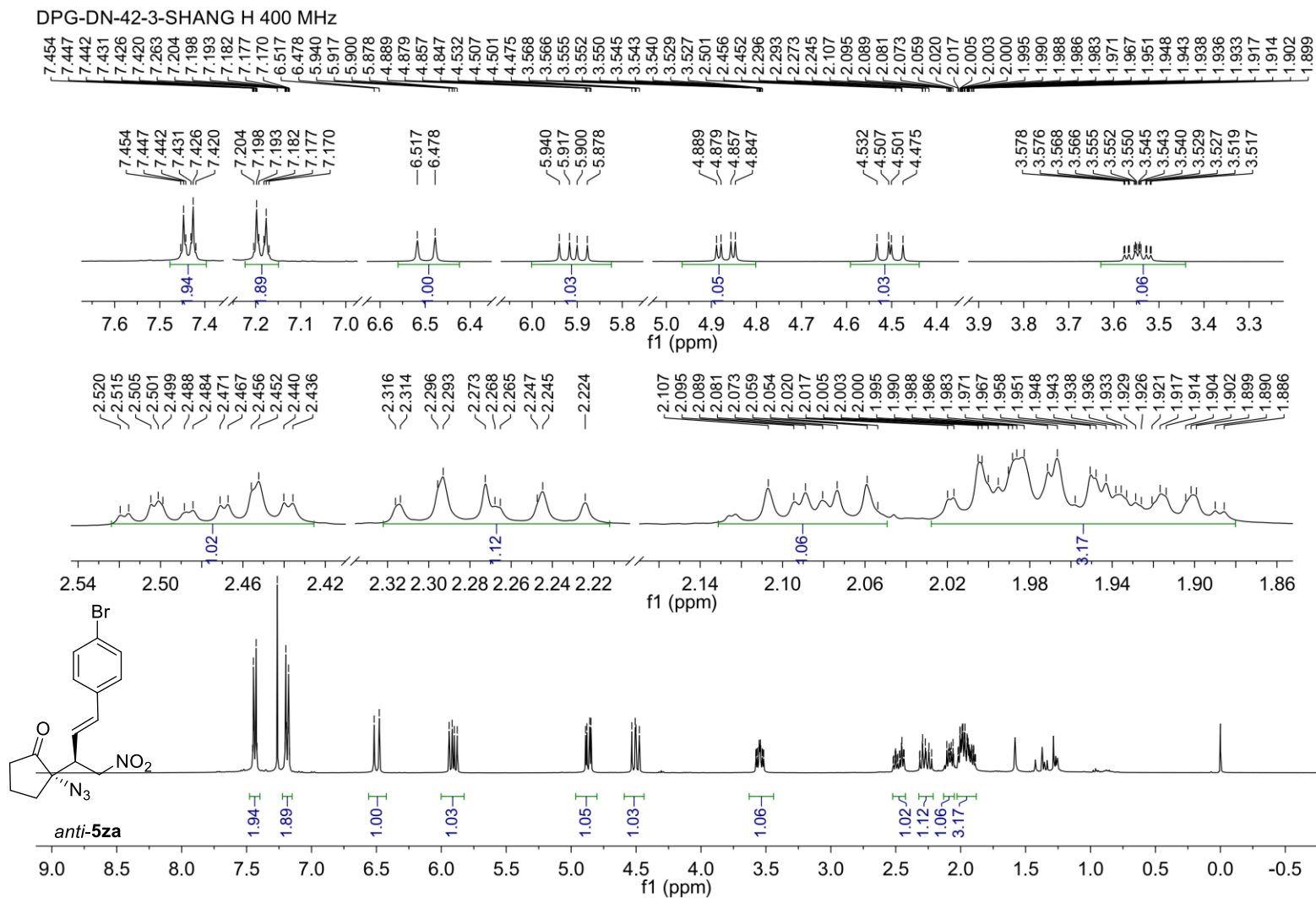


DPG-DM-99 H 300 MHz

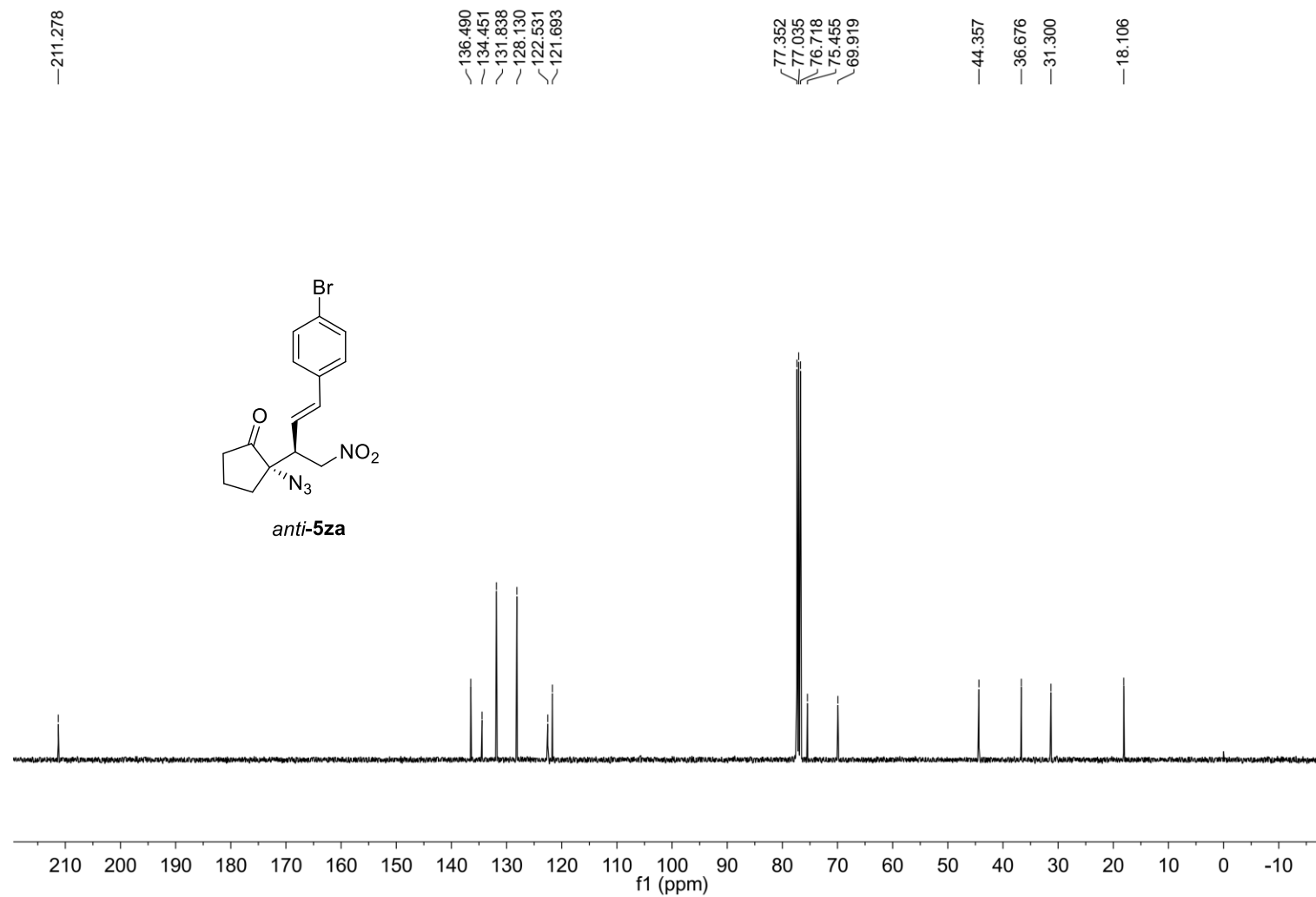


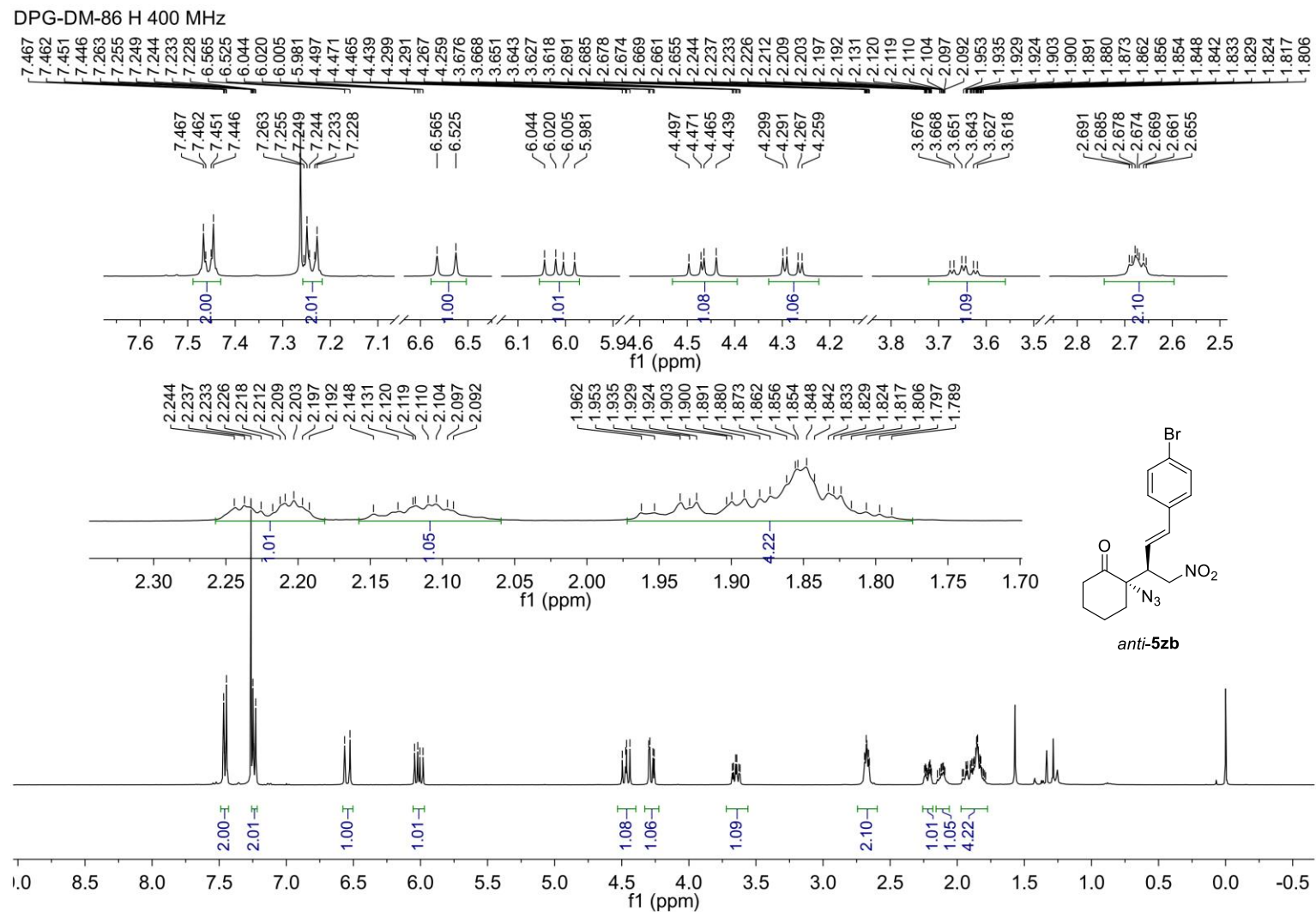
DPG-DM-99 C 125 MHz



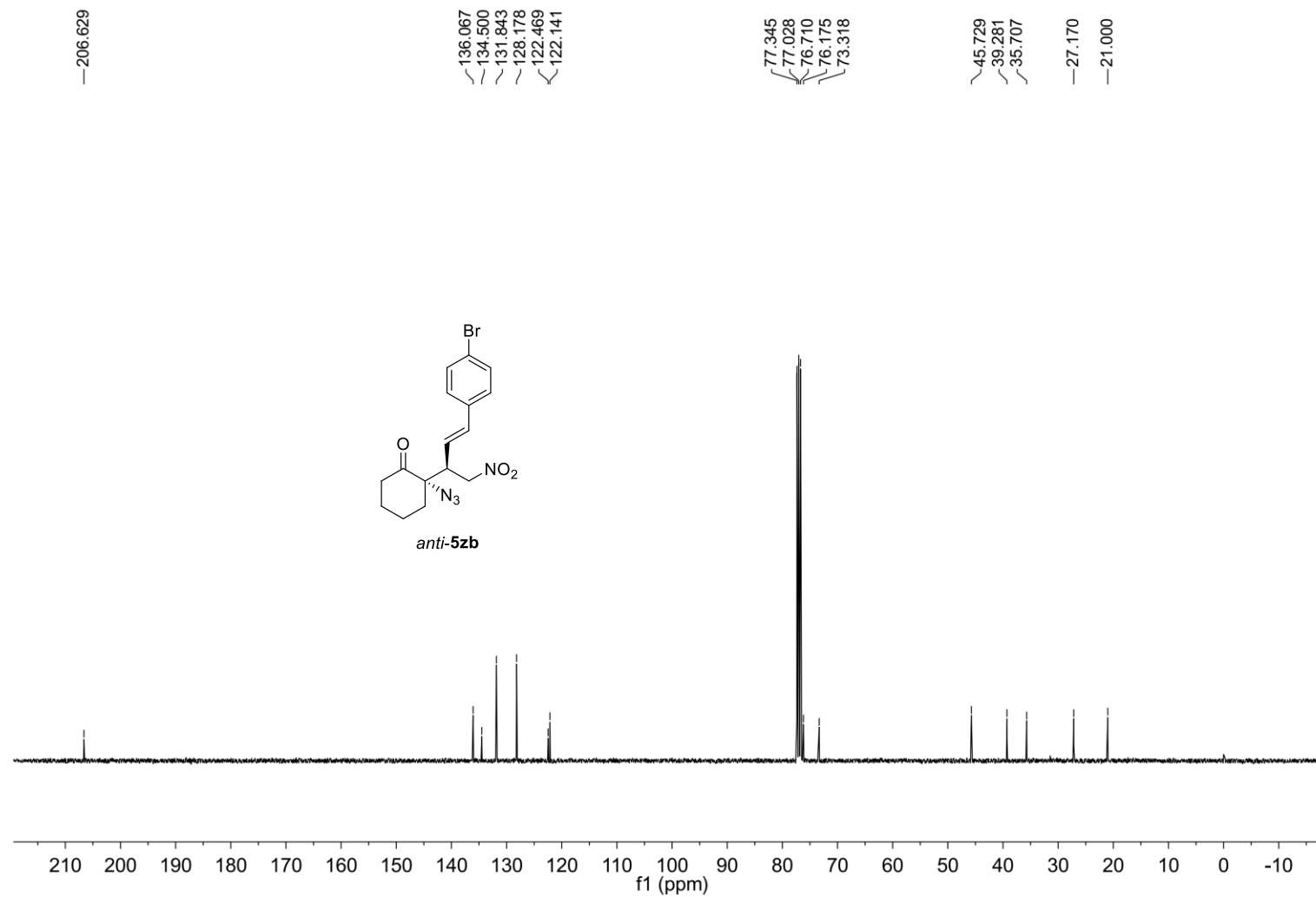


DPG-DN-42-3-SHANG C 100 MHz

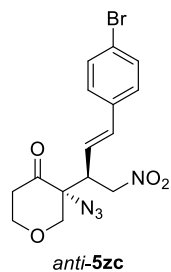
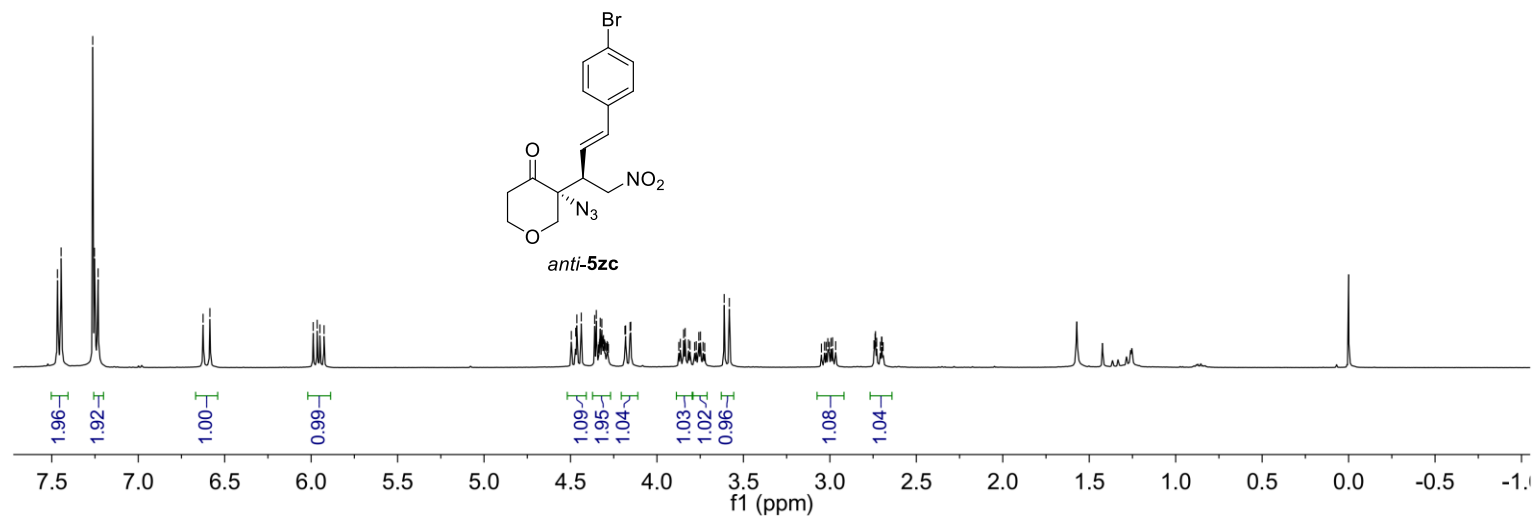
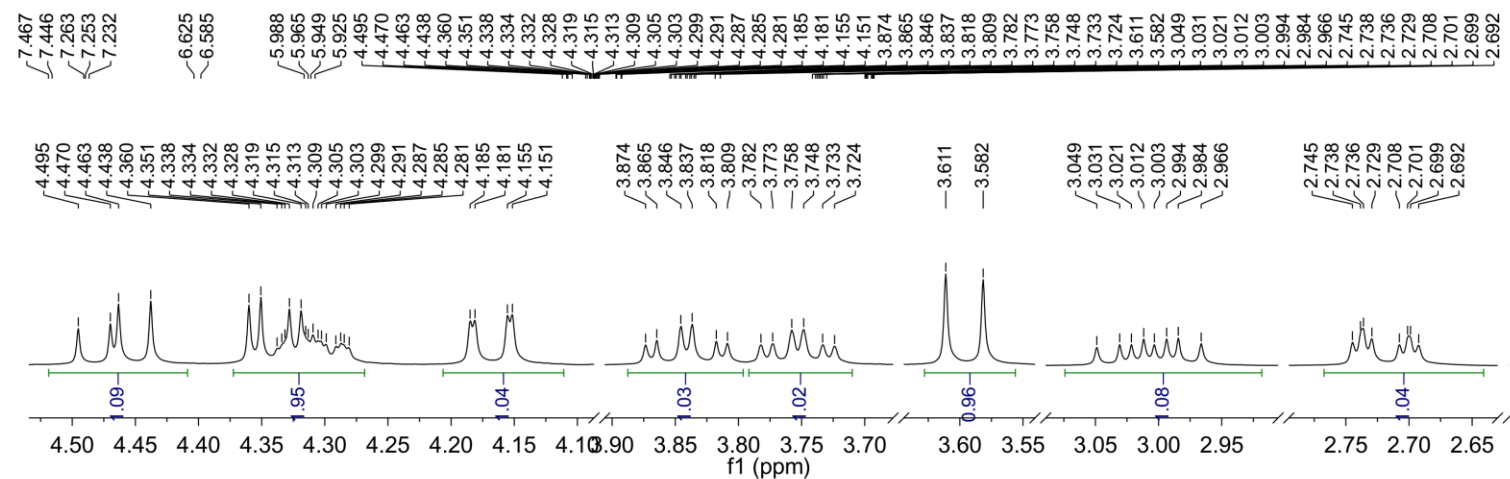




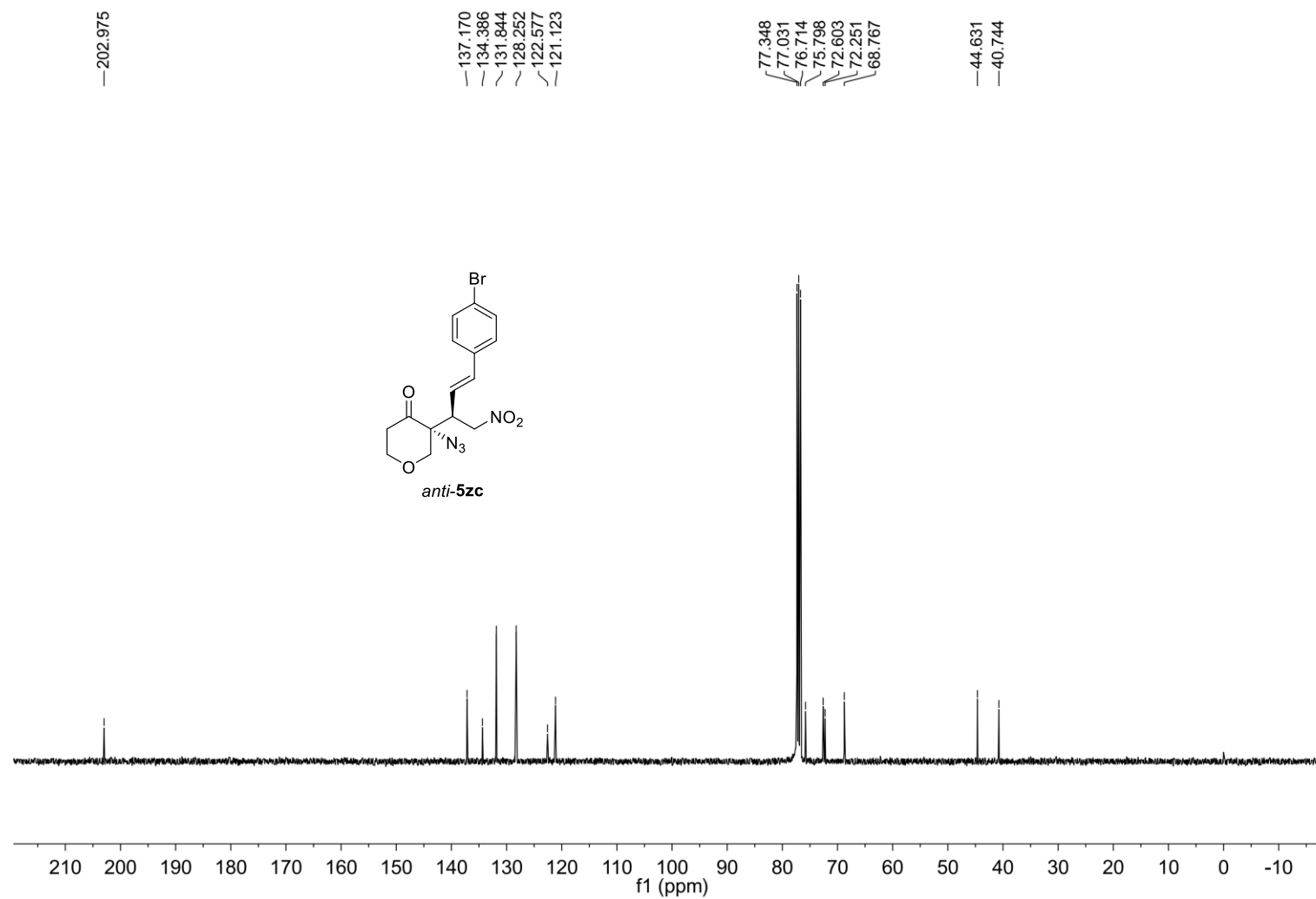
DPG-DM-86 C 100 MHz



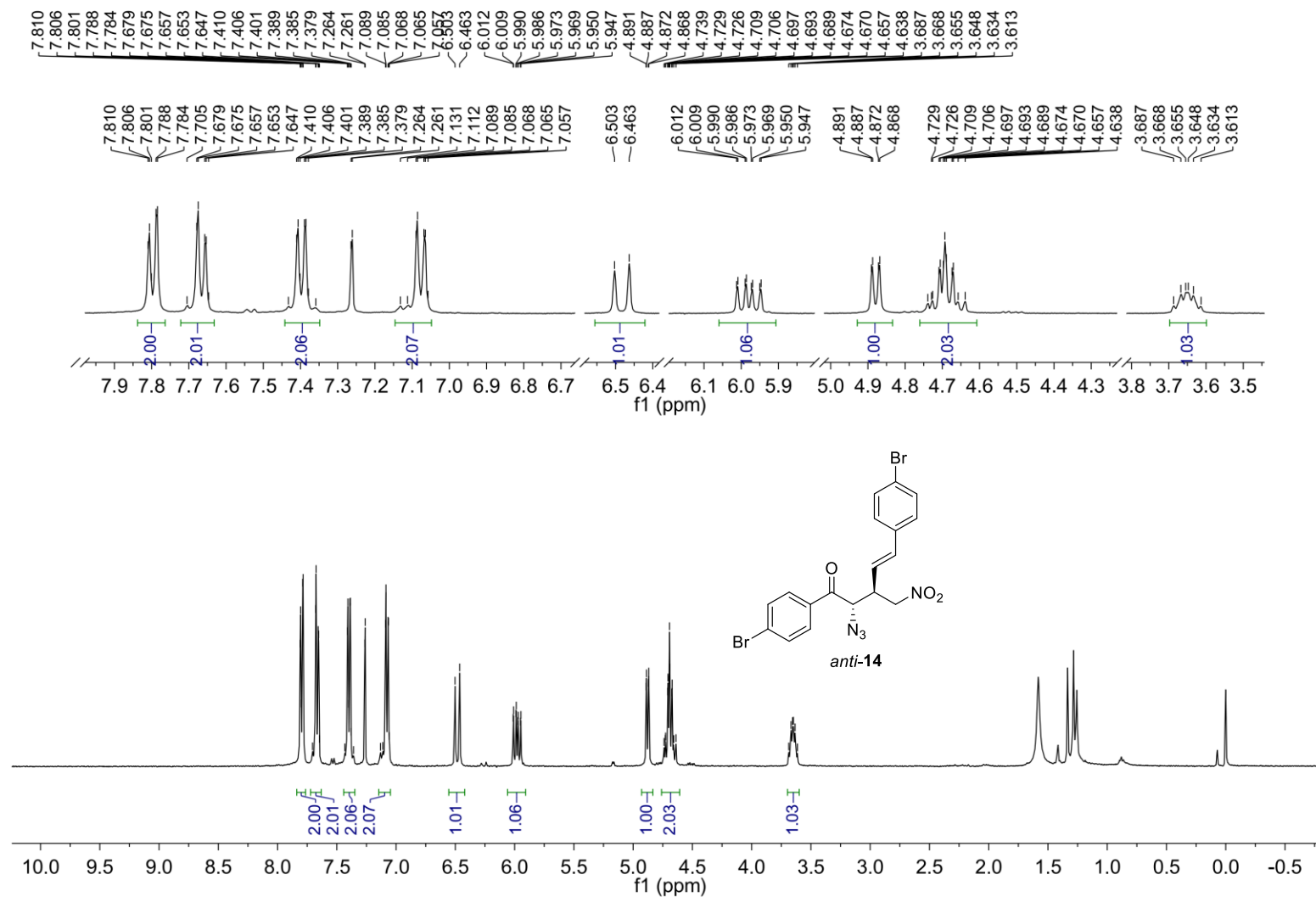
DPG-DN-40-2 H 400 MHz



DPG-DN-40-2 C 100 MHz



DPG-DK-96-2 H 400 MHz



DPG-DK-96 C 100 MHz

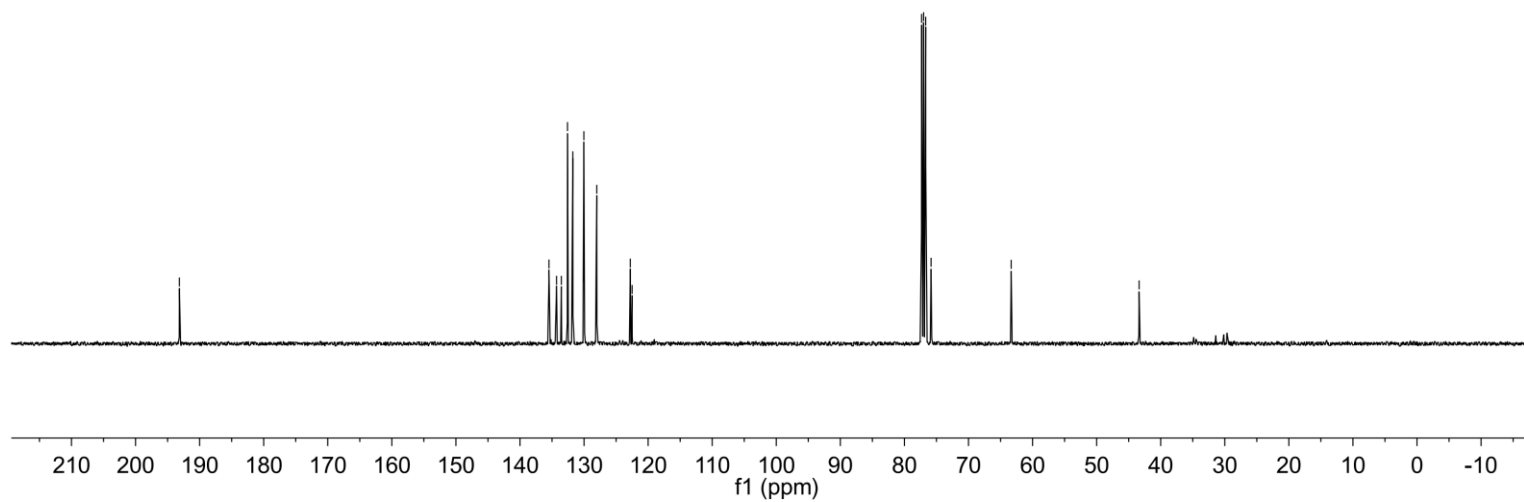
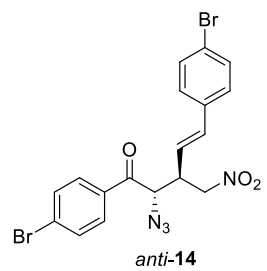
— 193.158

135.474
134.288
133.543
132.585
131.755
130.080
130.029
128.020
122.782
122.498

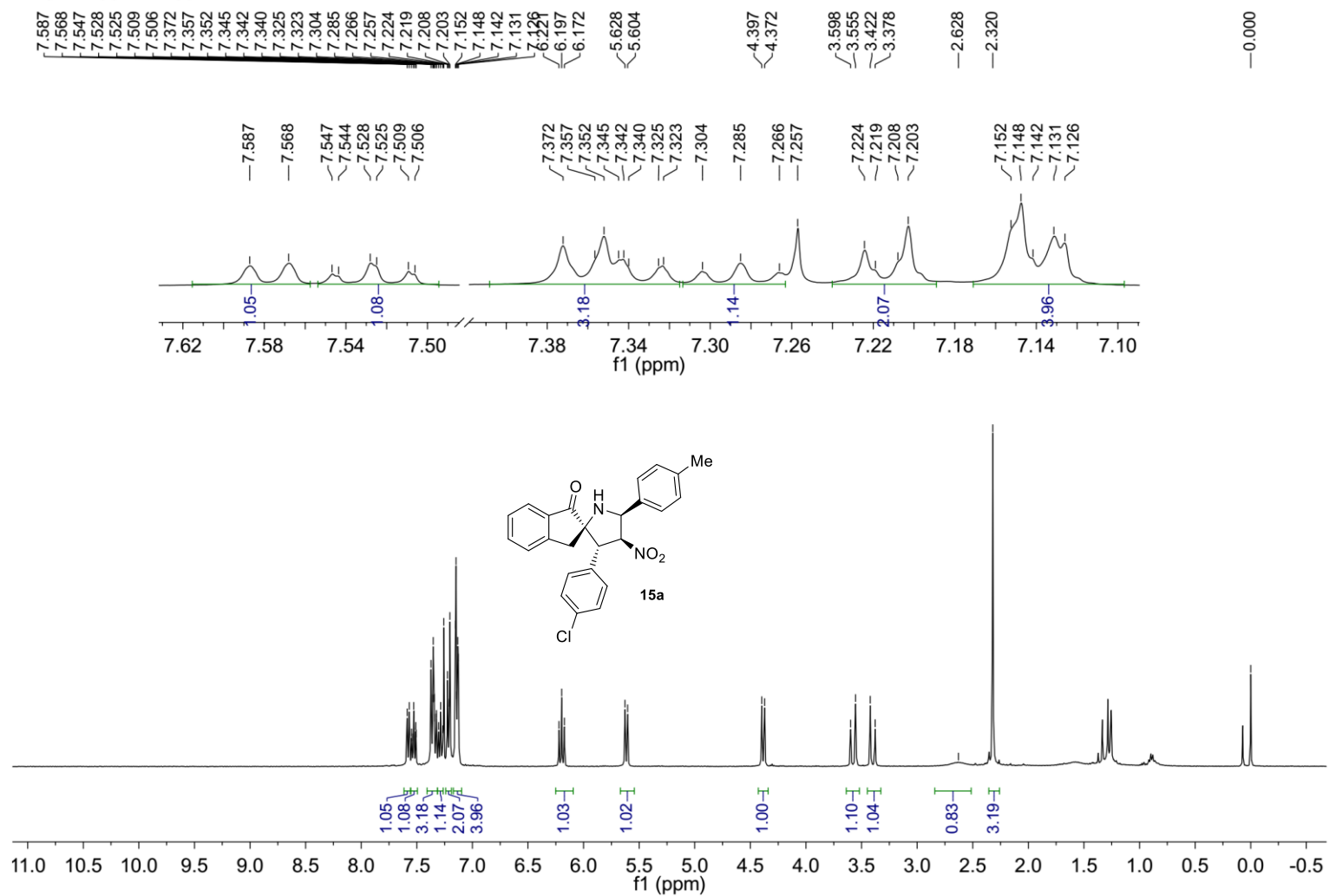
77.319
77.000
76.682
75.841

— 63.331

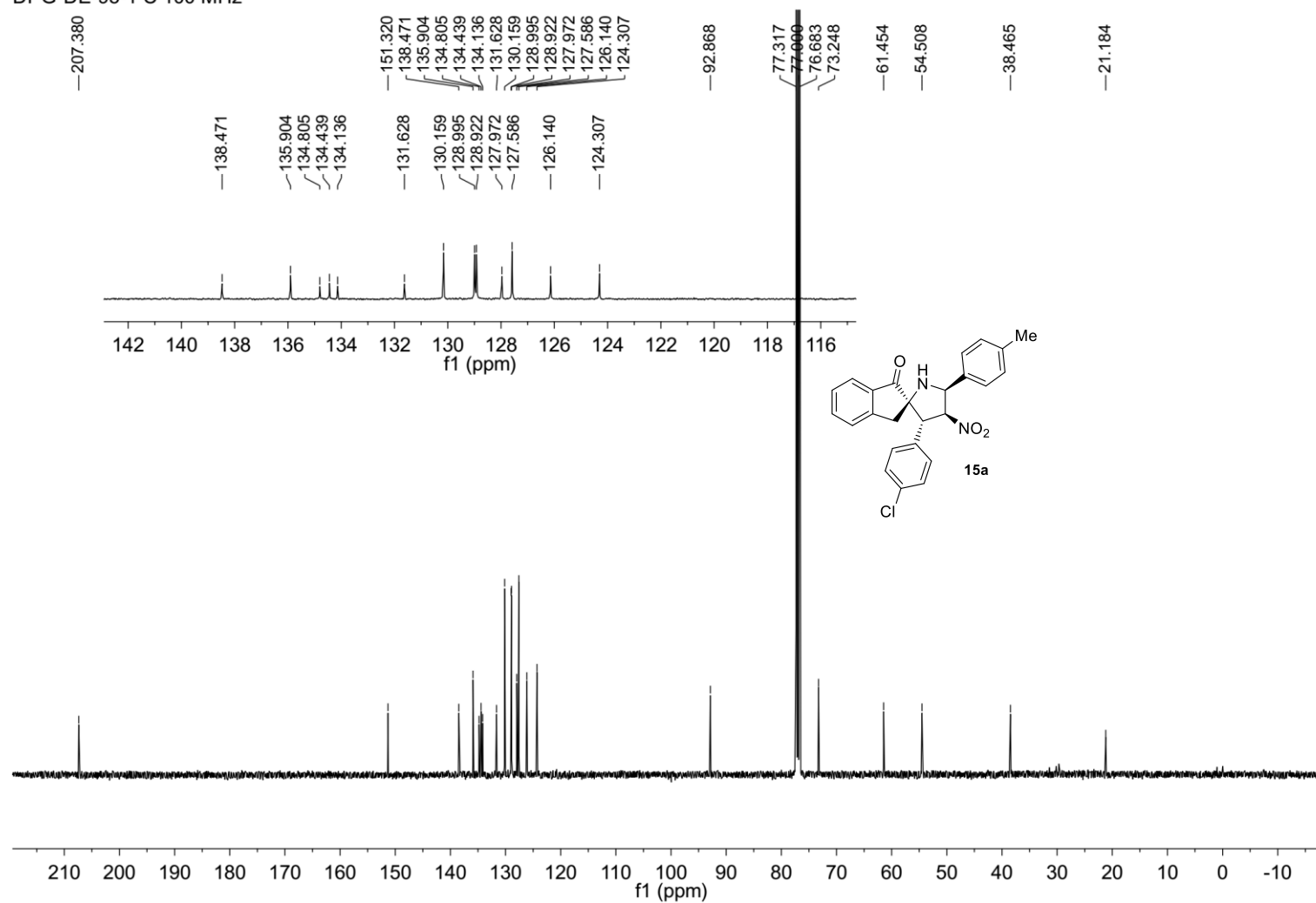
— 43.365



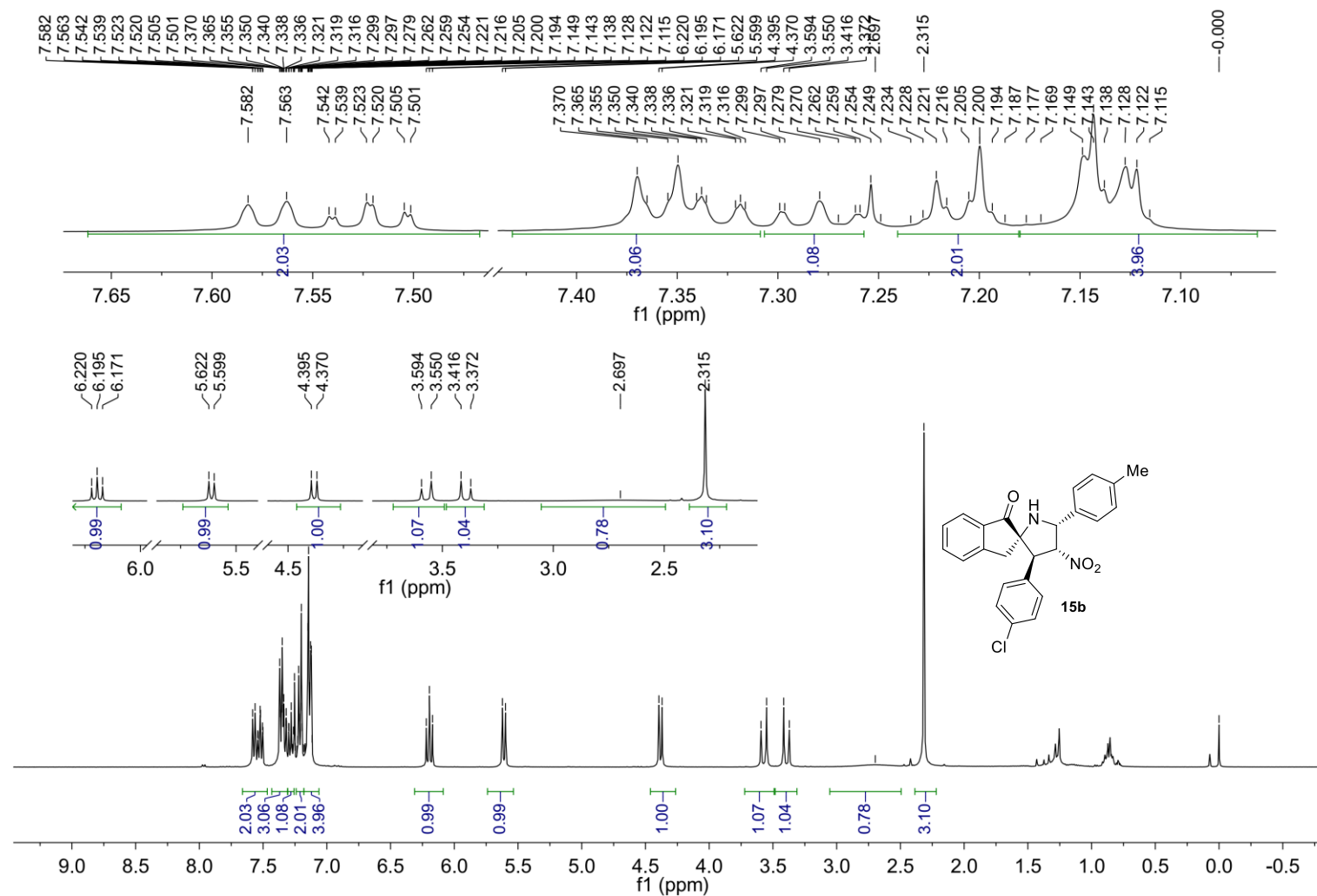
DPG-DE-95-1 H 400 MHz



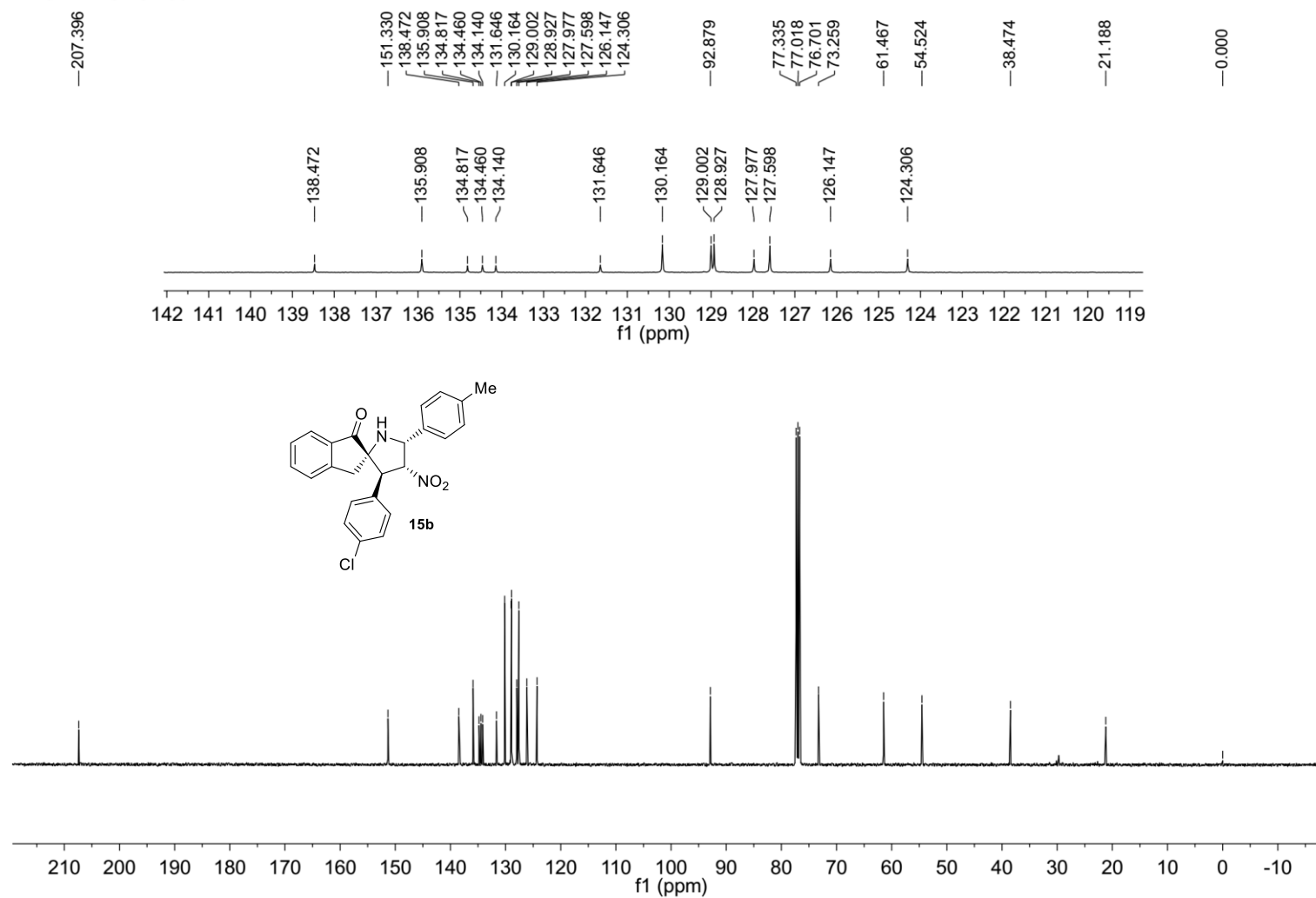
DPG-DE-95-1 C 100 MHz



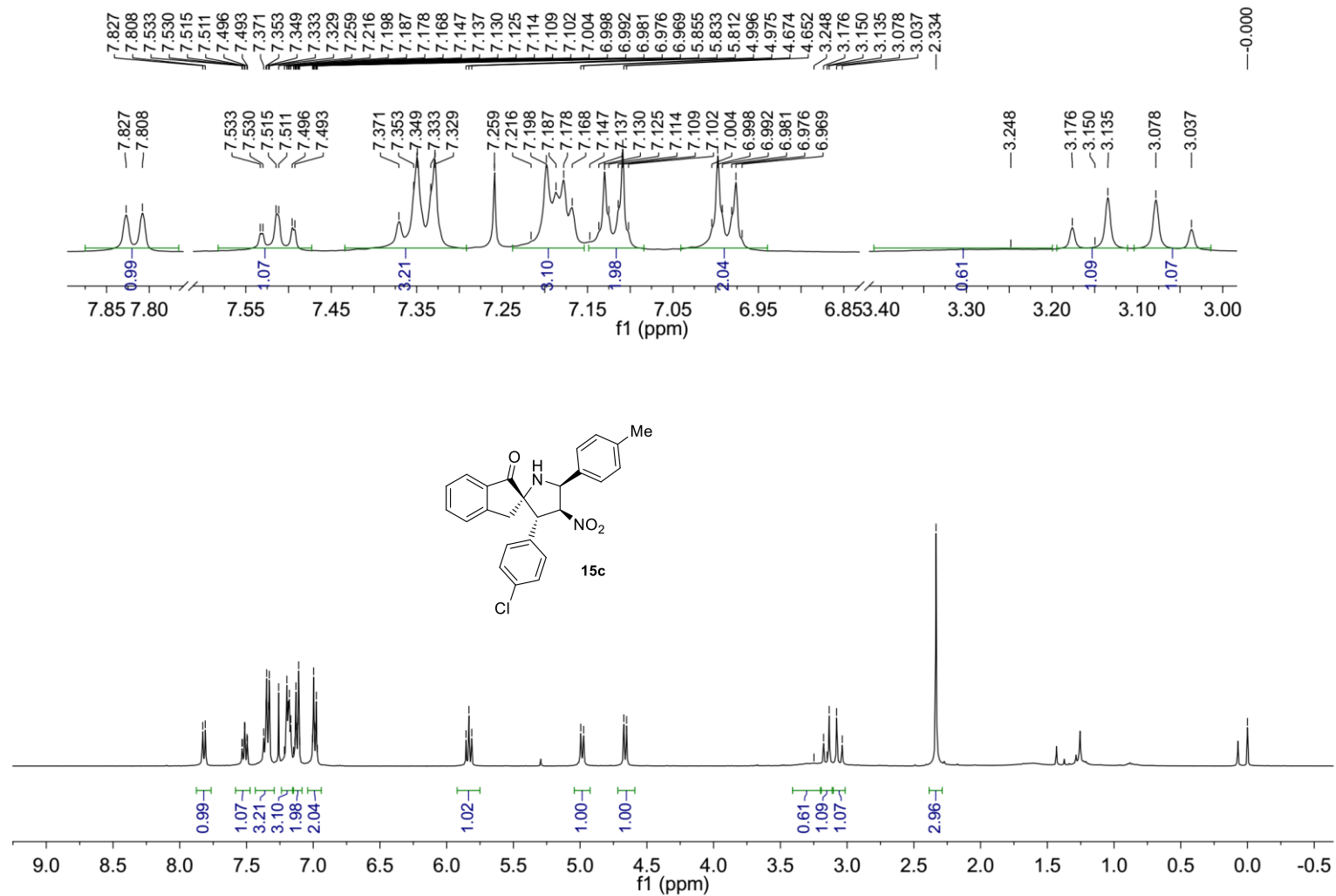
DPG-DE-137 H 400 MHz



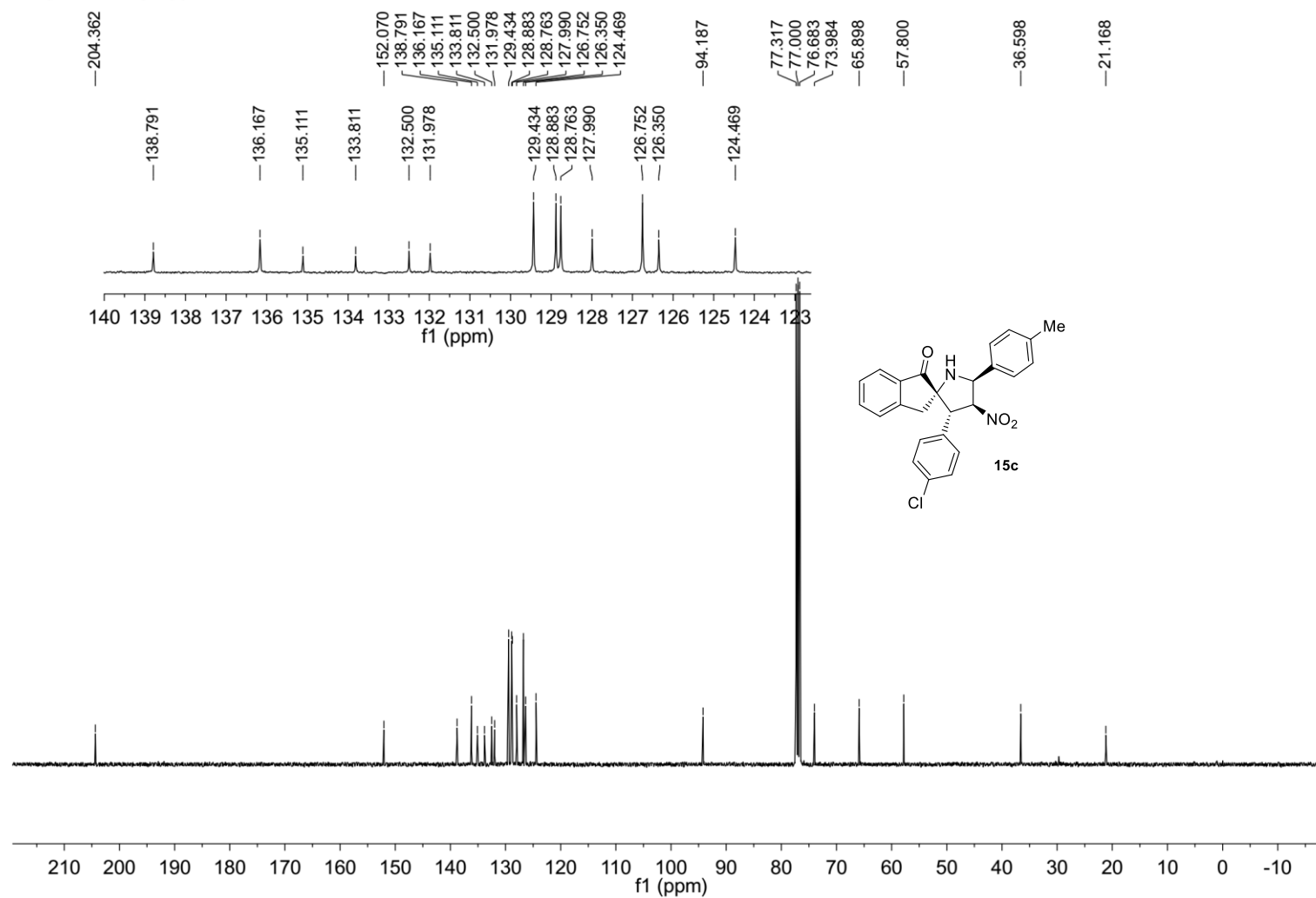
DPG-DE-137 C 100 MHz



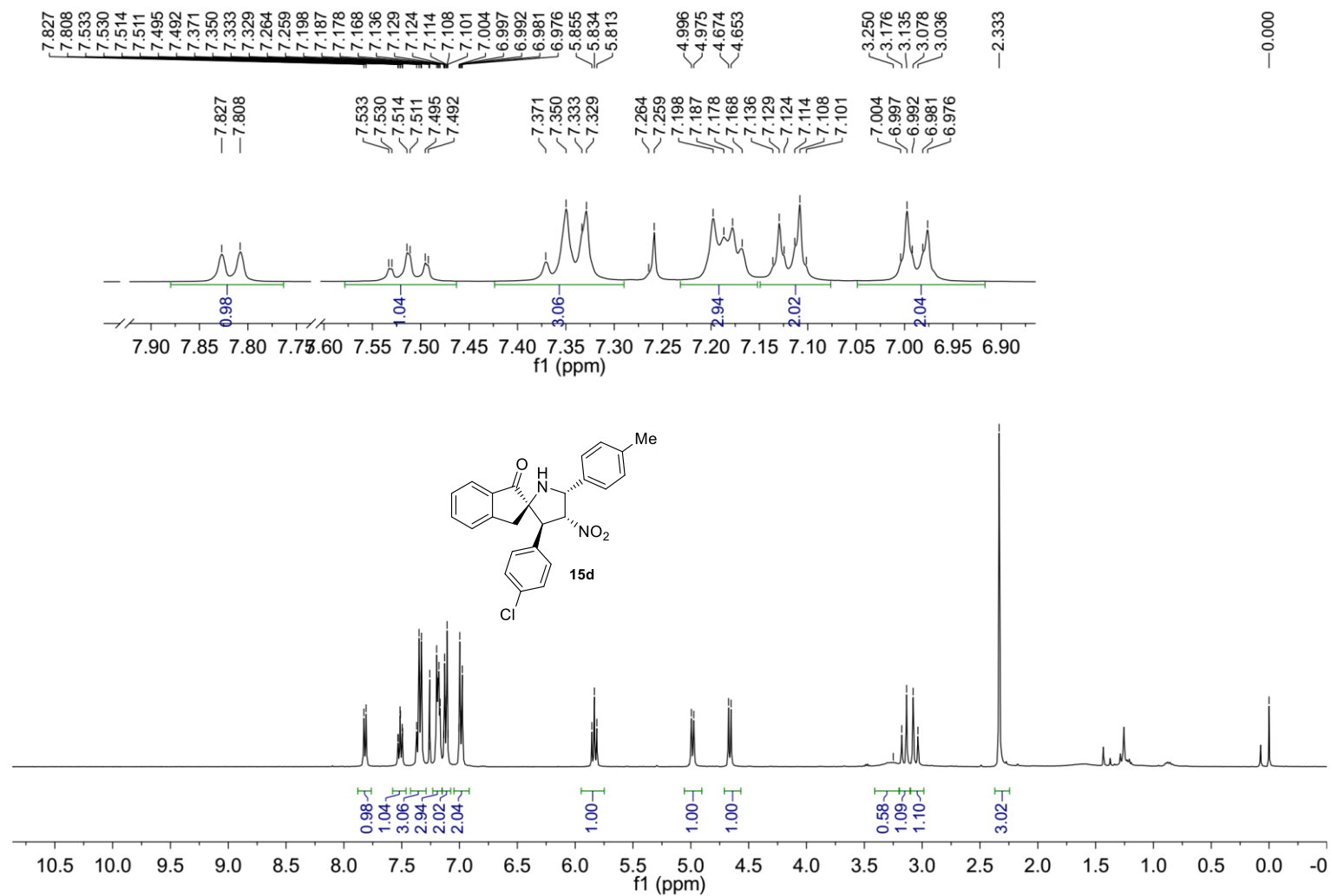
DPG-DE-141 H 400 MHz



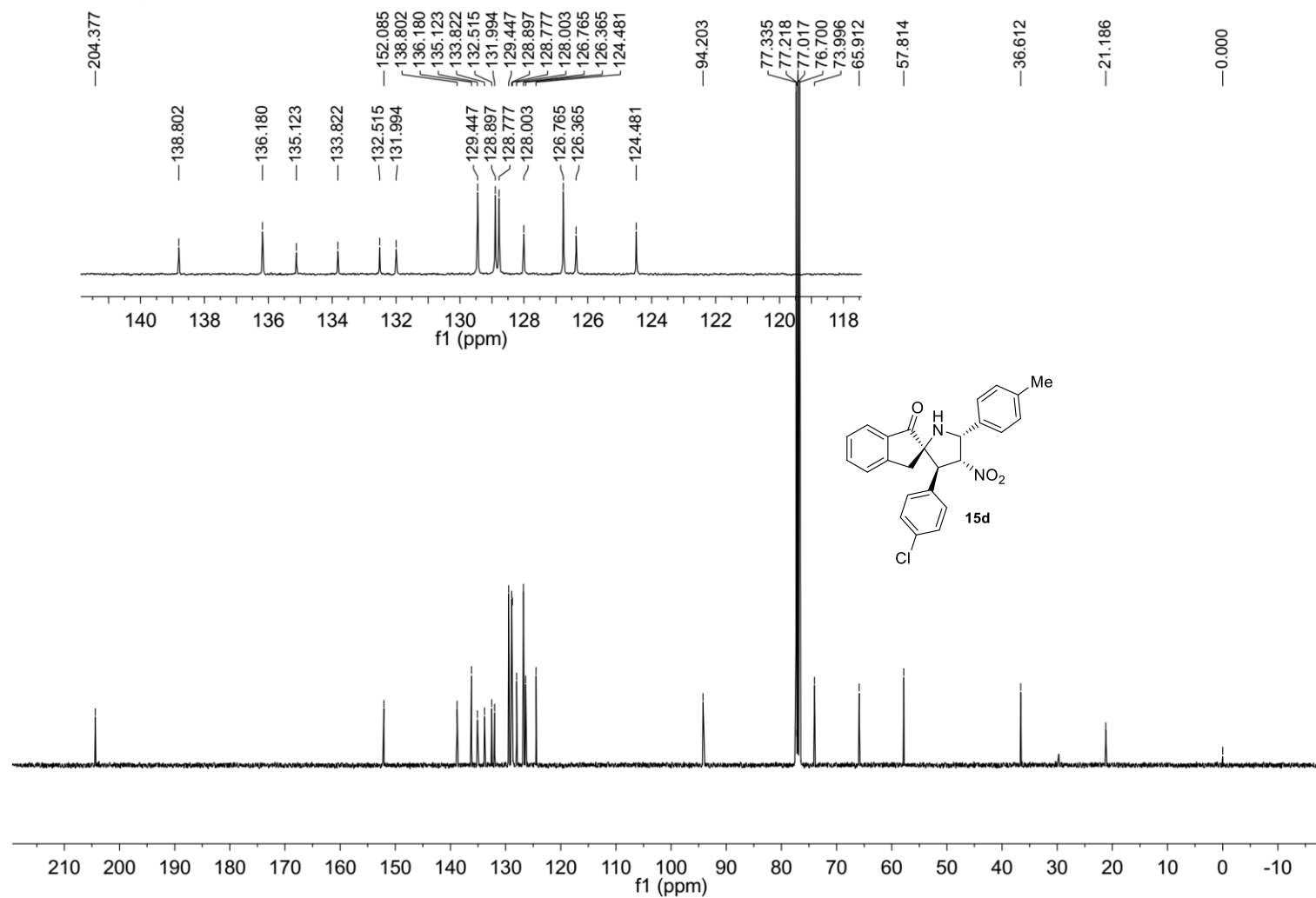
DPG-DE-141 C 100 MHz



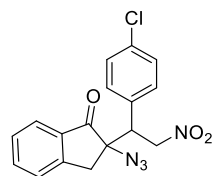
DPG-DE-143 H 400 MHz



DPG-DE-143 C 100 MHz

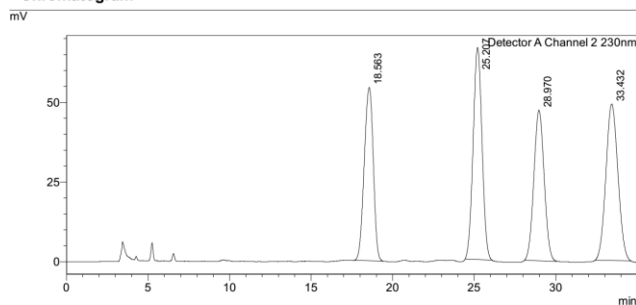


Analysis Report



5a

<Chromatogram>

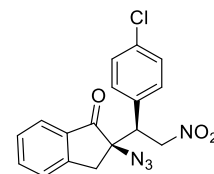


<Peak Table>

Peak#	Ret. Time	Area	Height	Conc.
1	18.563	2095790	54399	22.721
2	25.207	2527641	66590	27.402
3	28.970	2074988	47242	22.495
4	33.432	2525764	49167	27.382
Total		9224184	217398	

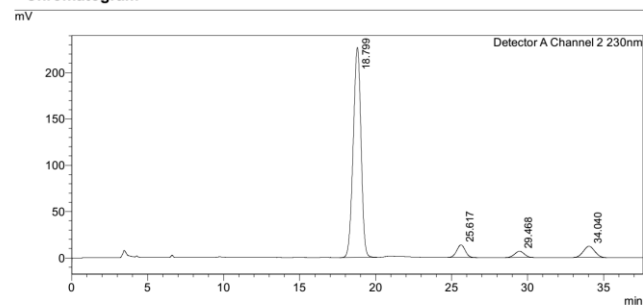
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Analysis Report



(R,S)-5a

<Chromatogram>

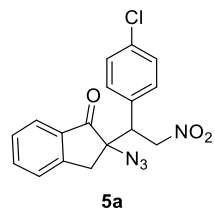


<Peak Table>

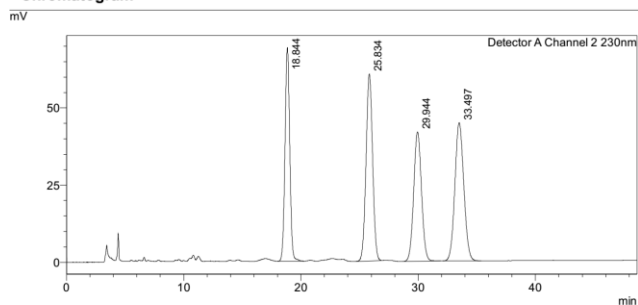
Peak#	Ret. Time	Area	Height	Conc.
1	18.799	8053489	226650	84.623
2	25.617	532544	13631	5.596
3	29.468	301379	6779	3.167
4	34.040	629462	12149	6.614
Total		9516874	259209	

D:\Data\dpg\DD\dpg-dd-61-2-ASY-OZH-95-5-1.0-231.lcd

Analysis Report



<Chromatogram>

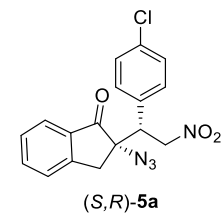


<Peak Table>

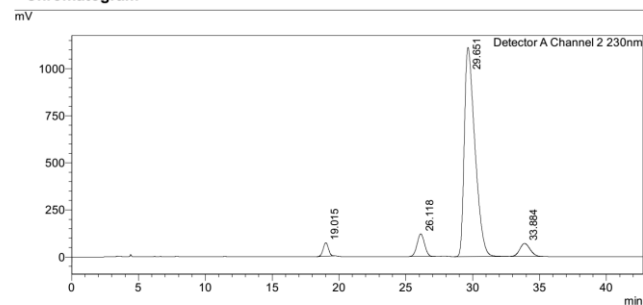
Peak#	Ret. Time	Area	Height	Conc.
1	18.844	1945197	69208	22.605
2	25.834	2351345	60553	27.325
3	29.944	1939408	41927	22.538
4	33.497	2369262	44719	27.533
Total		8605211	216408	

D:\Data\dpg\DE\dpg-de-52-1-rac-OZH-95-5-1.0-230.lcd

Analysis Report



<Chromatogram>

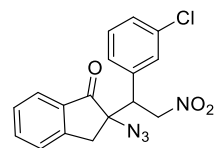


<Peak Table>

Peak#	Ret. Time	Area	Height	Conc.
1	19.015	1955833	71796	2.736
2	26.118	4672036	119868	6.537
3	29.651	61164240	1110546	85.577
4	33.884	3680259	68727	5.149
Total		71472368	1370938	

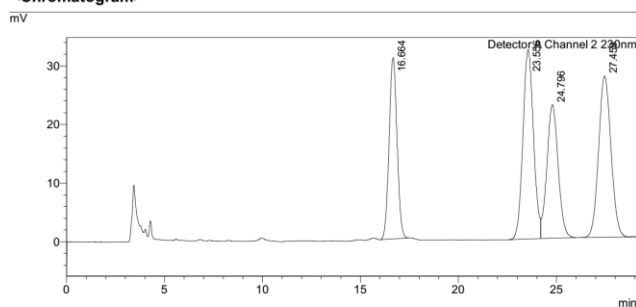
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Analysis Report



5b

<Chromatogram>

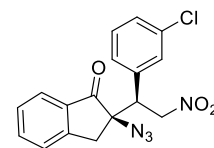


<Peak Table>

Peak#	Ret. Time	Area	Height	Conc.
1	16.664	870130	30917	20.688
2	23.556	1214269	32325	28.871
3	24.796	910648	22769	21.652
4	27.459	1210818	27519	28.789
Total		4205865	113530	

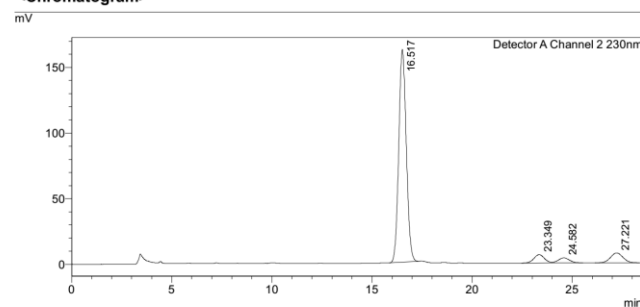
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Analysis Report



syn-5b

<Chromatogram>

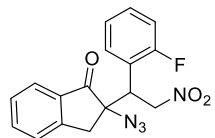


<Peak Table>

Peak#	Ret. Time	Area	Height	Conc.
1	16.517	4227670	161976	85.726
2	23.349	232064	6373	4.706
3	24.582	148649	3856	3.014
4	27.221	323224	7482	6.554
Total		4931607	179686	

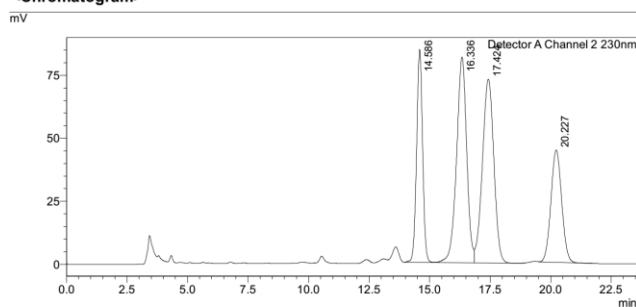
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Analysis Report



5c

<Chromatogram>



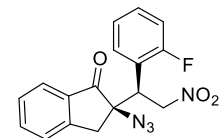
<Peak Table>

Detector A Channel 2 230nm

Peak#	Ret. Time	Area	Height	Conc.
1	14.586	1456429	84501	19.115
2	16.336	2385488	81629	31.308
3	17.424	2399138	73001	31.487
4	20.227	1378283	44551	18.089
Total		7619337	283682	

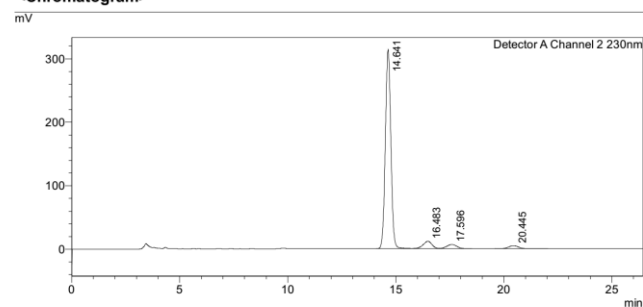
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Analysis Report



syn-5c

<Chromatogram>



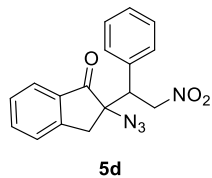
<Peak Table>

Detector A Channel 2 230nm

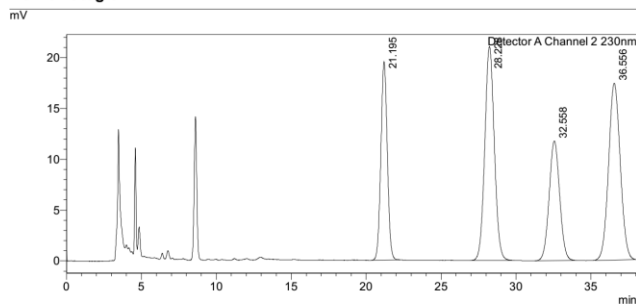
Peak#	Ret. Time	Area	Height	Conc.
1	14.641	5564607	313741	88.458
2	16.483	343658	11680	5.463
3	17.596	222681	6715	3.540
4	20.445	159731	4898	2.539
Total		6290677	337034	

D:\Data\dpg\DD\dpg-dd-93-2-ASY-OZH-95-5-1.0-230.lcd

Analysis Report



<Chromatogram>

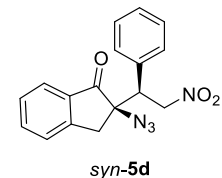


<Peak Table>

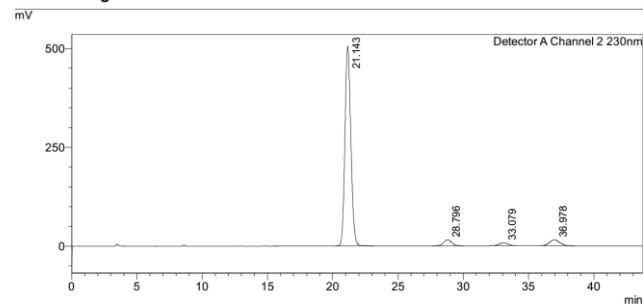
Peak#	Ret. Time	Area	Height	Conc.
1	21.195	581999	19513	19.184
2	28.228	933046	21051	30.755
3	32.558	575352	11772	18.965
4	36.556	943414	17413	31.097
Total		3033810	69749	

D:\Data\dpg\DD\dpg-dd-61-4-rac-OZH-97-3-1.0-230.lcd

Analysis Report



<Chromatogram>

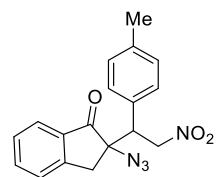


<Peak Table>

Peak#	Ret. Time	Area	Height	Conc.
1	21.143	15895676	504418	89.607
2	28.796	653375	15109	3.683
3	33.079	355169	7440	2.002
4	36.978	835143	15116	4.708
Total		17739363	542083	

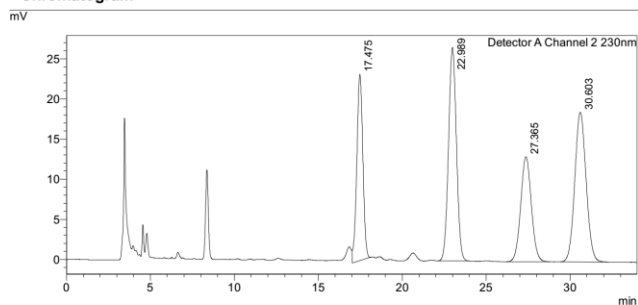
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Analysis Report



5e

<Chromatogram>



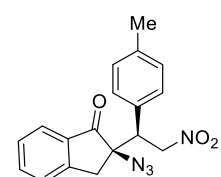
<Peak Table>

Detector A Channel 2 230nm

Peak#	Ret. Time	Area	Height	Conc.
1	17.475	578328	23197	19.911
2	22.989	869346	26577	29.930
3	27.365	579623	13083	19.955
4	30.603	877322	18649	30.204
Total		2904619	81506	

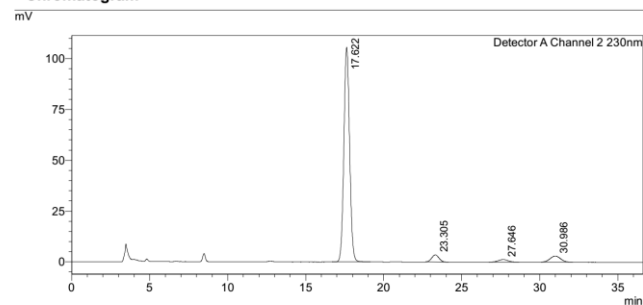
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Analysis Report



syn-5e

<Chromatogram>



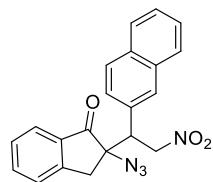
<Peak Table>

Detector A Channel 2 230nm

Peak#	Ret. Time	Area	Height	Conc.
1	17.622	2686142	105455	89.591
2	23.305	113494	3507	3.785
3	27.646	57084	1289	1.904
4	30.986	141507	3031	4.720
Total		2998227	113283	

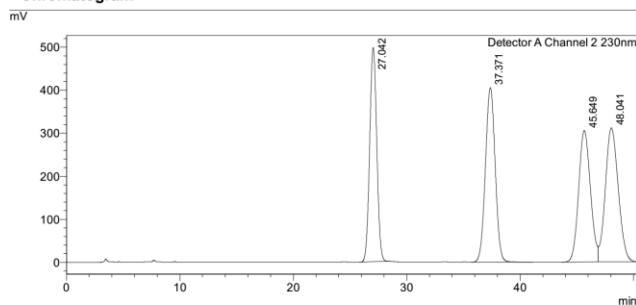
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Analysis Report



5f

<Chromatogram>

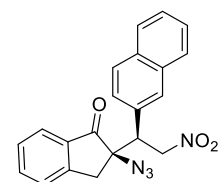


<Peak Table>

Peak#	Ret. Time	Area	Height	Conc.
1	27.042	21584524	498042	23.334
2	37.371	24236857	405493	26.202
3	45.649	22083484	305534	23.874
4	48.041	24596492	311509	26.590
Total		92501357	1520578	

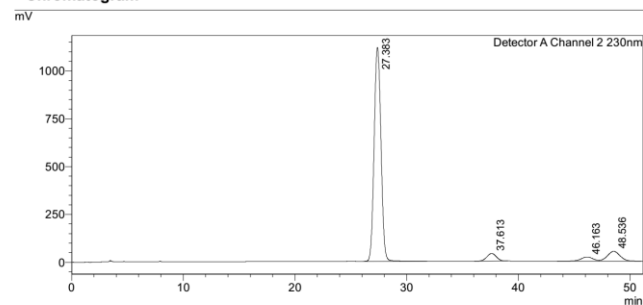
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Analysis Report



syn-5f

<Chromatogram>

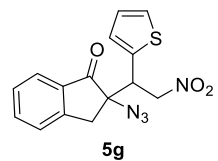


<Peak Table>

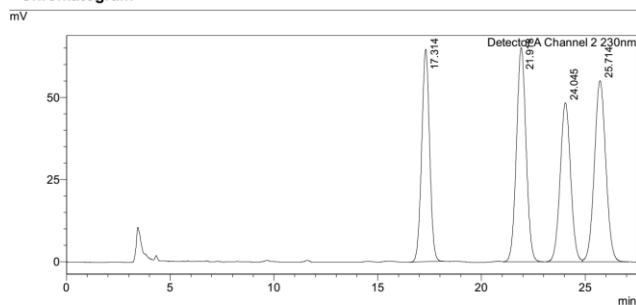
Peak#	Ret. Time	Area	Height	Conc.
1	27.383	47570200	1117263	85.630
2	37.613	2373464	39830	4.272
3	46.163	1632997	21789	2.940
4	48.536	3976393	50868	7.158
Total		55553054	1229749	

D:\Data\dpg\DD\dpg-dd-61-6-asy-OZH-97-3-1.0-231.lcd

Analysis Report



<Chromatogram>

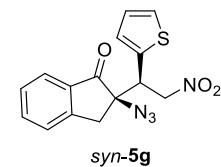


<Peak Table>

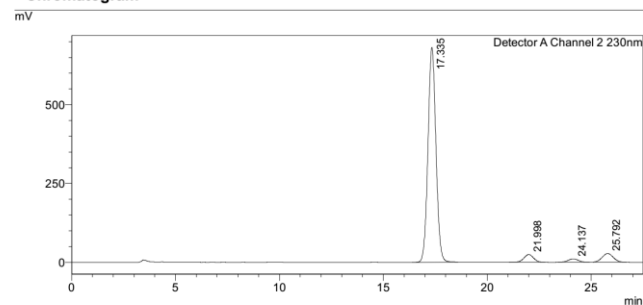
Peak#	Ret. Time	Area	Height	Conc.
1	17.314	1715665	64547	22.499
2	21.918	2098500	65134	27.520
3	24.045	1701807	48378	22.317
4	25.714	2109476	55061	27.664
Total		7625448	233120	

D:\Data\dpg\DD\dpg-dd-93-3-rac-OZH-95-5-1.0-230.lcd

Analysis Report



<Chromatogram>

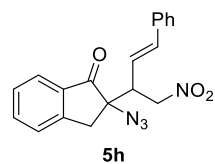


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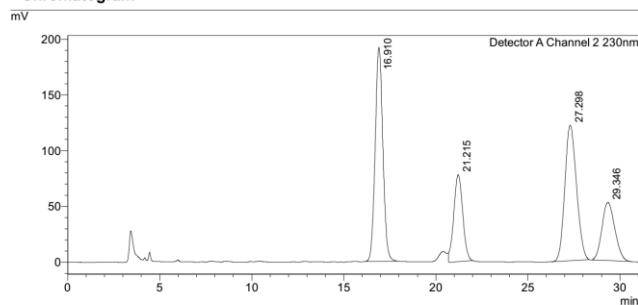
Peak#	Ret. Time	Area	Height	Conc.
1	17.335	18103191	680998	89.345
2	21.998	772625	24313	3.813
3	24.137	367988	10709	1.816
4	25.792	1018413	27367	5.026
Total		20262218	743387	

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Analysis Report



<Chromatogram>

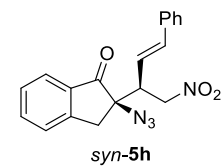


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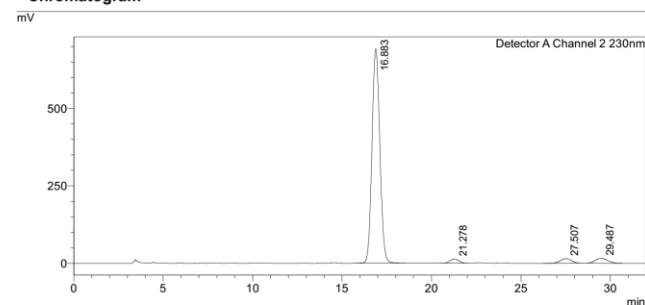
Peak#	Ret. Time	Area	Height	Conc.
1	16.910	5548157	191664	34.551
2	21.215	2640350	78071	16.443
3	27.298	5340538	121430	33.258
4	29.346	2528907	52167	15.749
Total		16057952	443332	

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Analysis Report



<Chromatogram>

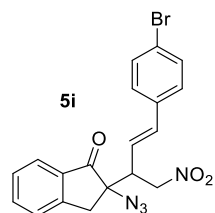


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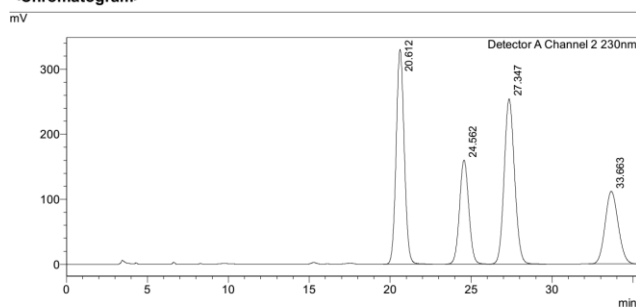
Peak#	Ret. Time	Area	Height	Conc.
1	16.883	21077401	692238	91.846
2	21.278	459403	13594	2.002
3	27.507	646392	14654	2.817
4	29.487	765360	16005	3.335
Total		22948556	736491	

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Analysis Report



<Chromatogram>



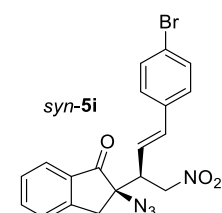
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Detector A Channel 2 230nm

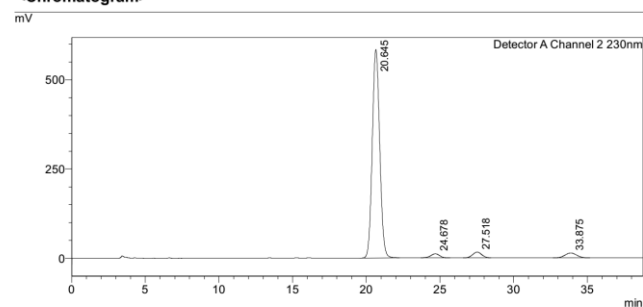
Peak#	Ret. Time	Area	Height	Conc.
1	20.612	11414719	330029	32.229
2	24.562	6367131	159927	17.977
3	27.347	11359325	253989	32.073
4	33.663	6276295	111659	17.721
Total		35417471	855604	

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Analysis Report



<Chromatogram>



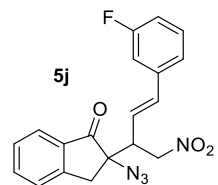
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Detector A Channel 2 230nm

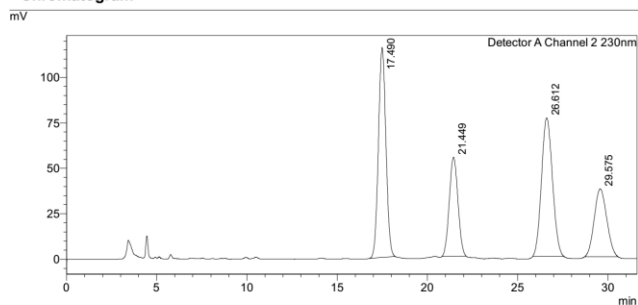
Peak#	Ret. Time	Area	Height	Conc.
1	20.645	20483611	583963	91.370
2	24.678	476184	11350	2.124
3	27.518	698201	16103	3.114
4	33.875	760379	13650	3.392
Total		22418375	625066	

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Analysis Report



<Chromatogram>

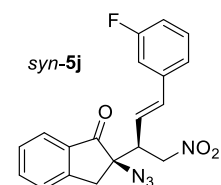


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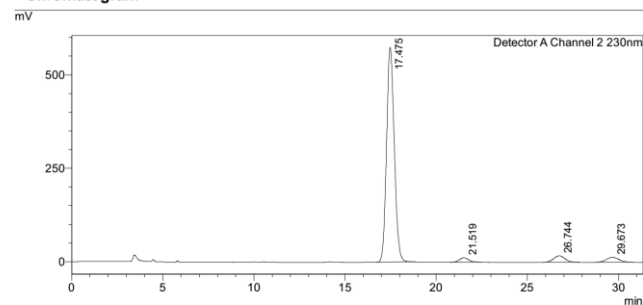
Peak#	Ret. Time	Area	Height	Conc.
1	17.490	3318050	115335	32.687
2	21.449	1811516	54427	17.846
3	26.612	3230068	76199	31.821
4	29.575	1791193	37287	17.646
Total		10150827	283247	

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Analysis Report



<Chromatogram>

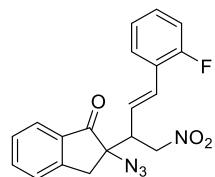


<Peak Table>

Peak#	Ret. Time	Area	Height	Conc.
1	17.475	16928373	574084	90.485
2	21.519	414953	11775	2.218
3	26.744	728028	17187	3.891
4	29.673	637077	13074	3.405
Total		18708431	616120	

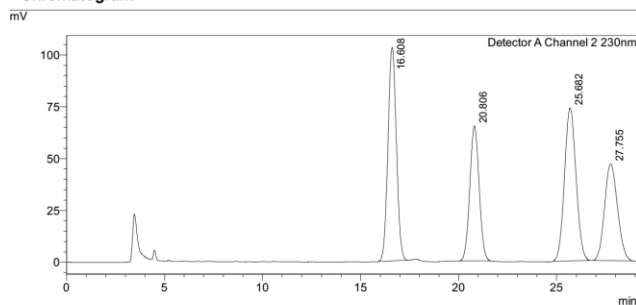
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Analysis Report



5k

<Chromatogram>

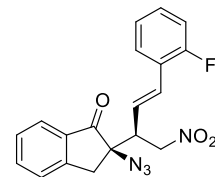


<Peak Table>

Peak#	Ret. Time	Area	Height	Conc.
1	16.608	3066256	102963	29.569
2	20.806	2160676	65133	20.836
3	25.682	3013754	73805	29.062
4	27.755	2129289	46677	20.533
Total		10369976	288578	

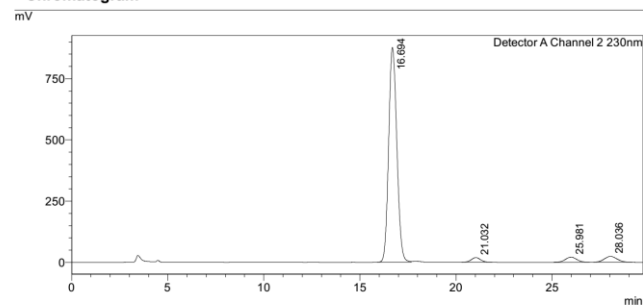
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Analysis Report



syn-5k

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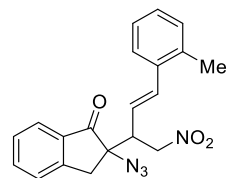


<Peak Table>

Peak#	Ret. Time	Area	Height	Conc.
1	16.694	25968390	876661	90.926
2	21.032	637440	19162	2.232
3	25.981	858239	20856	3.005
4	28.036	1095787	23831	3.837
Total		28559856	940511	

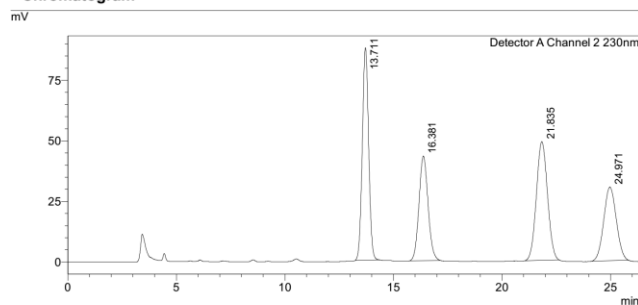
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Analysis Report



5I

<Chromatogram>

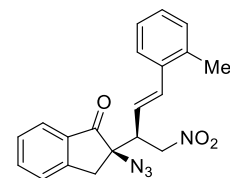


<Peak Table>

Detector A Channel 2 230nm				
Peak#	Ret. Time	Area	Height	Conc.
1	13.711	1776755	87661	29.683
2	16.381	1259717	43196	21.046
3	21.835	1732878	48971	28.950
4	24.971	1216326	30344	20.321
Total		5985677	210172	

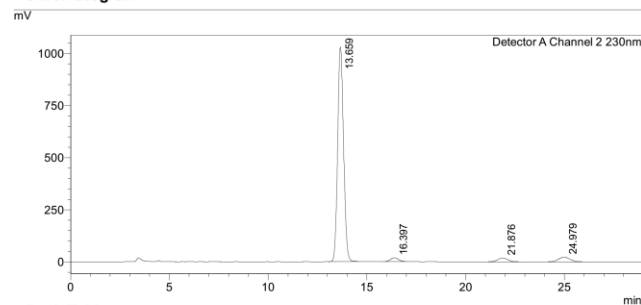
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Analysis Report



syn-5I

<Chromatogram>

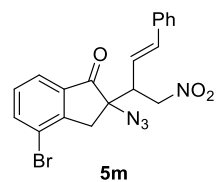


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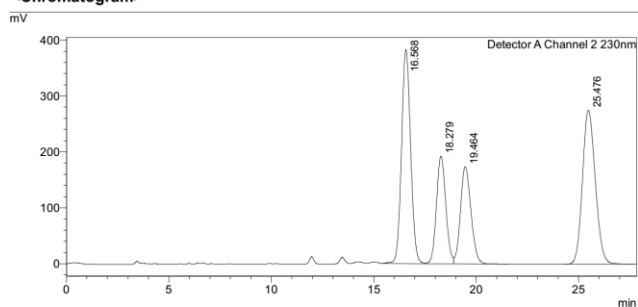
Detector A Channel 2 230nm				
Peak#	Ret. Time	Area	Height	Conc.
1	13.659	21480309	1029960	91.167
2	16.397	544204	18793	2.310
3	21.876	630568	17677	2.676
4	24.979	906510	22357	3.847
Total		23561592	1088787	

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Analysis Report



<Chromatogram>

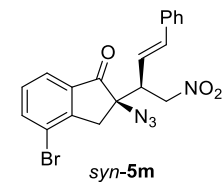


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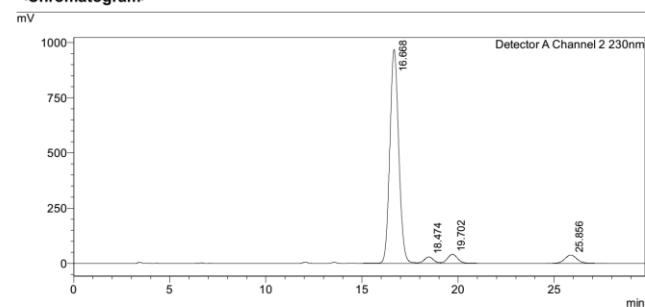
Peak#	Ret. Time	Area	Height	Conc.
1	16.568	11811124	382478	32.651
2	18.279	6120905	192587	16.921
3	19.464	6211463	173866	17.171
4	25.476	12029898	275698	33.256
Total		36173391	1024628	

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Analysis Report



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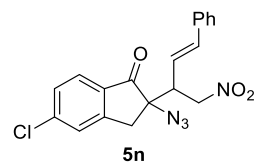


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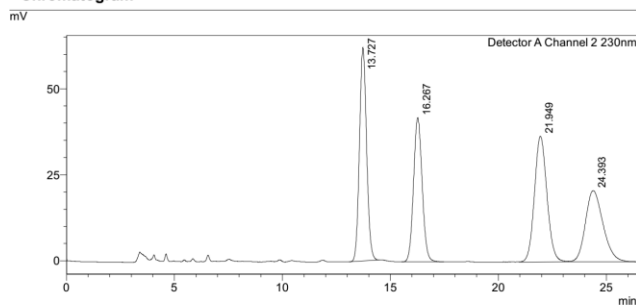
Peak#	Ret. Time	Area	Height	Conc.
1	16.668	31245270	967981	88.296
2	18.474	983947	29128	2.781
3	19.702	1508089	40706	4.262
4	25.856	1649640	37330	4.662
Total		35386946	1075145	

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Analysis Report



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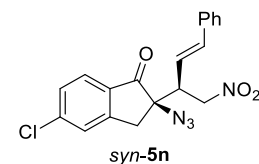


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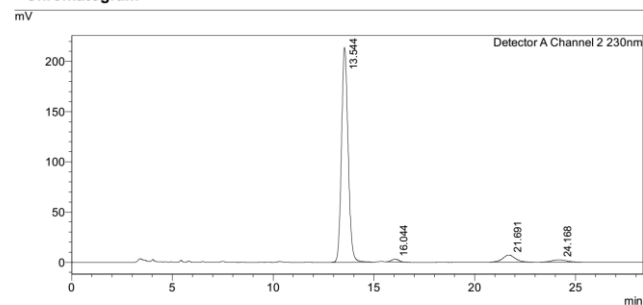
Peak#	Ret. Time	Area	Height	Conc.
1	13.727	1423424	62012	27.257
2	16.267	1164276	41902	22.294
3	21.949	1465120	36537	28.055
4	24.393	1169478	20708	22.394
Total		5222298	161159	

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Analysis Report



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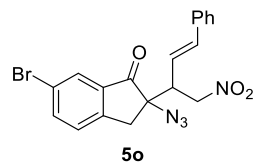


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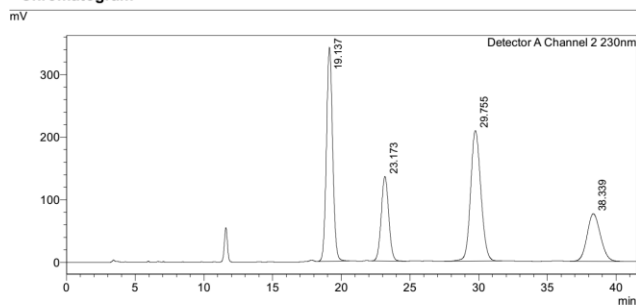
Peak#	Ret. Time	Area	Height	Conc.
1	13.544	4886282	213779	90.709
2	16.044	71573	2888	1.329
3	21.691	307461	7116	5.708
4	24.168	121439	2300	2.254
Total		5386756	226083	

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Analysis Report



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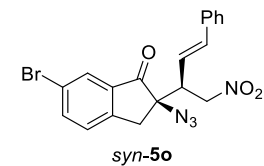


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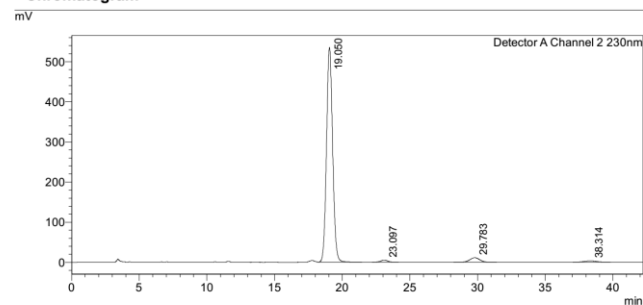
Peak#	Ret. Time	Area	Height	Conc.
1	19.137	10709190	341548	33.622
2	23.173	5144755	135318	16.152
3	29.755	10860627	208721	34.097
4	38.339	5137584	76006	16.129
Total		31852157	761595	

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Analysis Report



<Chromatogram>

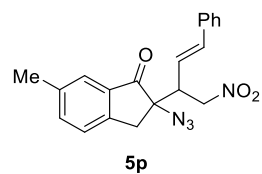


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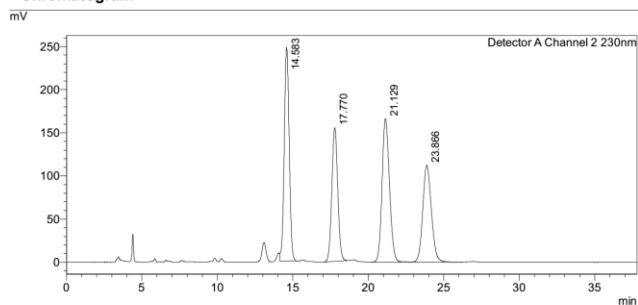
Peak#	Ret. Time	Area	Height	Conc.
1	19.050	16786832	534617	94.343
2	23.097	191852	5063	1.078
3	29.783	580824	11312	3.264
4	38.314	233910	3515	1.315
Total		17793418	554507	

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Analysis Report



<Chromatogram>



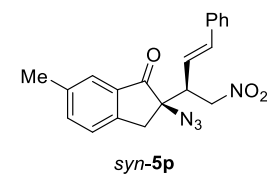
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Detector A Channel 2 230nm

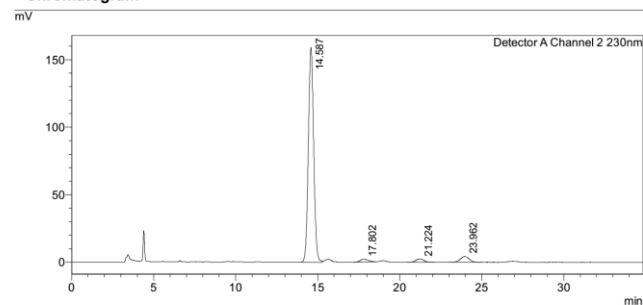
Peak#	Ret. Time	Area	Height	Conc.
1	14.583	5622007	247308	28.157
2	17.770	4223605	154884	21.153
3	21.129	5662163	166128	28.358
4	23.866	4458706	112303	22.331
Total		19966480	680623	

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Analysis Report



<Chromatogram>



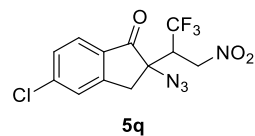
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Detector A Channel 2 230nm

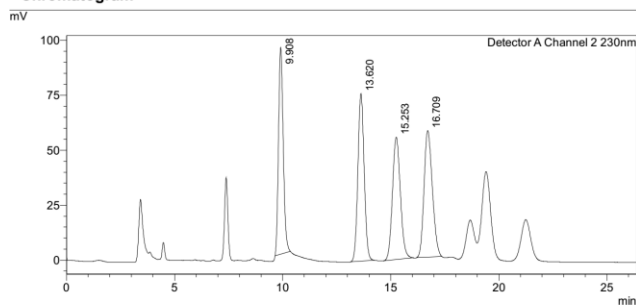
Peak#	Ret. Time	Area	Height	Conc.
1	14.587	3583204	158999	91.952
2	17.802	68767	2061	1.765
3	21.224	83217	2467	2.136
4	23.962	161627	4249	4.148
Total		3896815	167776	

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Analysis Report



<Chromatogram>

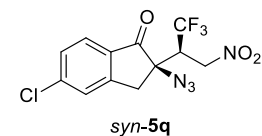


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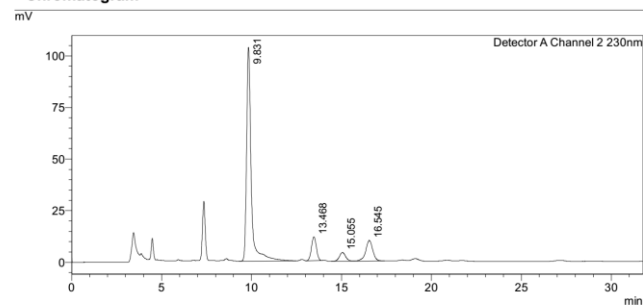
Peak#	Ret. Time	Area	Height	Conc.
1	9.908	1426101	93962	24.066
2	13.620	1534169	76172	25.890
3	15.253	1420166	55682	23.966
4	16.709	1545291	57618	26.078
Total		5925728	283434	

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Analysis Report



<Chromatogram>

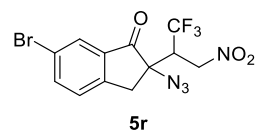


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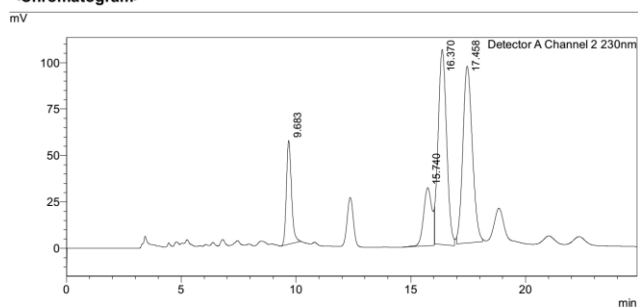
Peak#	Ret. Time	Area	Height	Conc.
1	9.831	1852946	103390	75.799
2	13.468	218572	11584	8.941
3	15.055	101725	4213	4.161
4	16.545	271293	9945	11.098
Total		2444537	129132	

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Analysis Report



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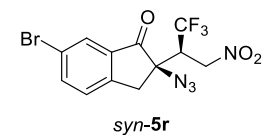


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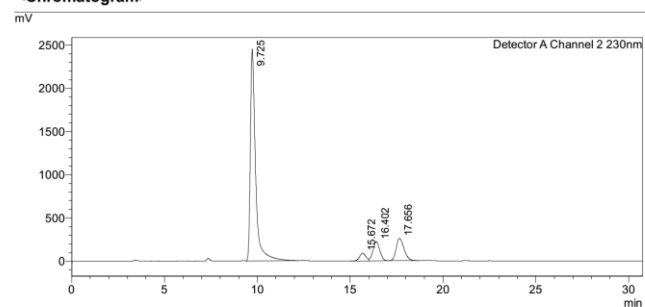
Peak#	Ret. Time	Area	Height	Conc.
1	9.683	854075	55817	12.051
2	15.740	801815	31325	11.314
3	16.370	2695654	105015	38.036
4	17.458	2735521	95158	38.599
Total		7087065	287314	

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Analysis Report



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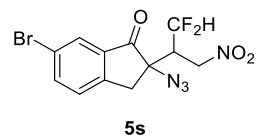


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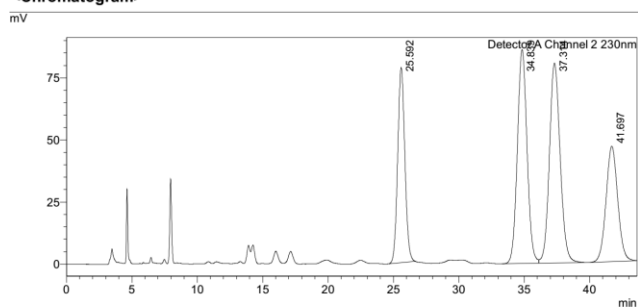
Peak#	Ret. Time	Area	Height	Conc.
1	9.725	47962925	2444302	75.653
2	15.672	2103492	87473	3.318
3	16.402	5699412	222893	8.990
4	17.656	7632536	257591	12.039
Total		63398365	3012260	

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Analysis Report



<Chromatogram>

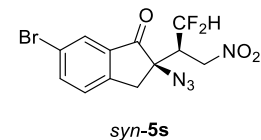


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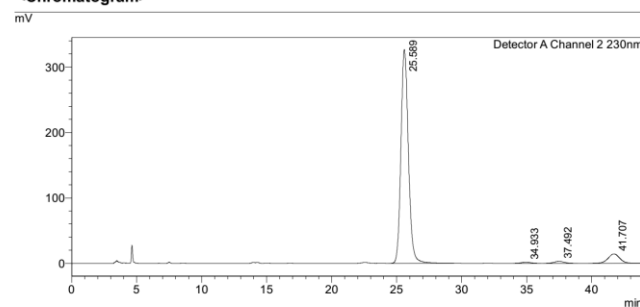
Peak#	Ret. Time	Area	Height	Conc.
1	25.592	2989792	78582	20.049
2	34.839	4430850	86177	29.712
3	37.314	4602437	80522	30.863
4	41.697	2889538	46480	19.376
Total		14912616	291761	

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Analysis Report



<Chromatogram>

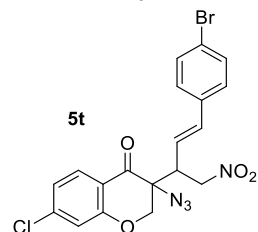


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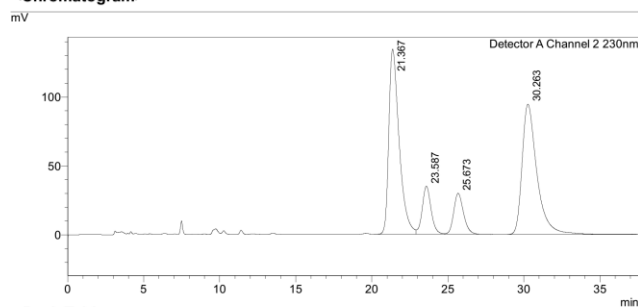
Peak#	Ret. Time	Area	Height	Conc.
1	25.589	13056526	326713	91.819
2	34.933	90947	1830	0.640
3	37.492	168514	3099	1.185
4	41.707	903889	14400	6.357
Total		14219877	346042	

D:\Data\dpg\DF\dpg-df-134-1-2-ASY-OZH-97-3-1.0-230.lcd

Analysis Report



<Chromatogram>

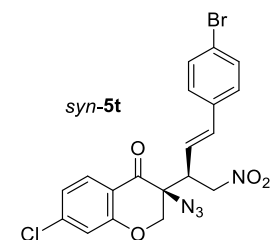


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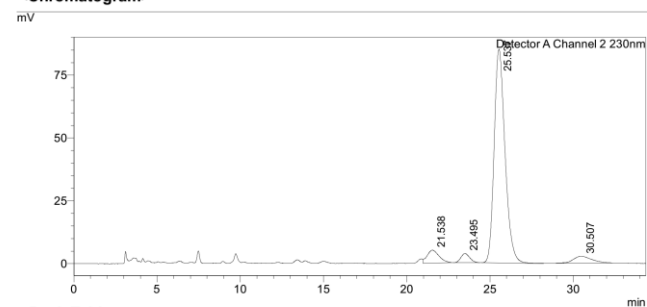
Peak#	Ret. Time	Area	Height	Conc.
1	21.367	6369080	134358	40.882
2	23.587	1431179	34939	9.186
3	25.673	1347286	29796	8.648
4	30.263	6431744	94565	41.284
Total		15579289	293658	

D:\Data\dppldm\dpd-dm-147-3-rac-adh-90-10-1.0-232.lcd

Analysis Report



<Chromatogram>

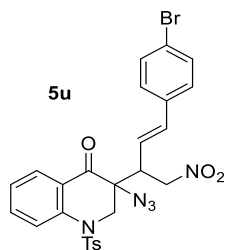


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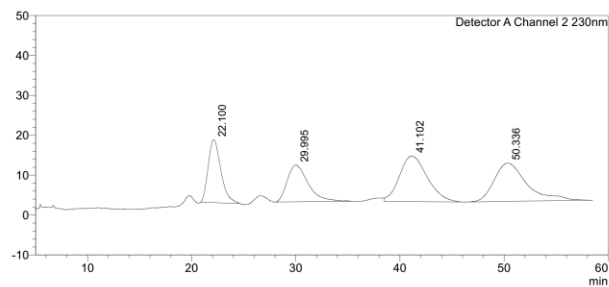
Peak#	Ret. Time	Area	Height	Conc.
1	21.538	257786	5185	5.788
2	23.495	134815	3616	3.027
3	25.537	3857041	85021	86.597
4	30.507	204354	2685	4.588
Total		4453996	96507	

D:\Data\dppldm\dpd-dm-147-1-asy-adh-90-10-1.0-232.lcd

Analysis Report



<Chromatogram>
mV

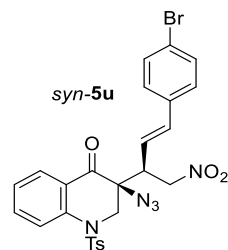


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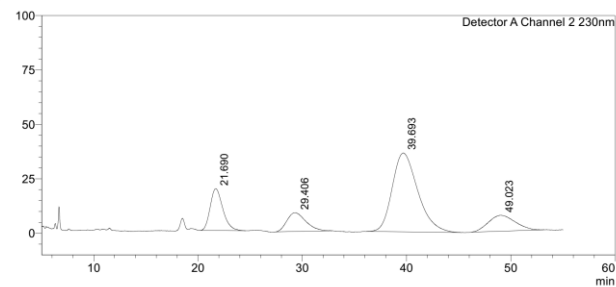
Detector A Channel 2 230nm				
Peak#	Ret. Time	Height	Mark	Area%
1	22.100	15760	M	19.545
2	29.995	9216	M	18.801
3	41.102	11439	M	31.070
4	50.336	9593	M	30.585
Total		46009		100.000

D:\Data\dpg\dpg-dm-129-3-rac-ozh-70-30-1.0-231.lcd

Analysis Report



<Chromatogram>
mV

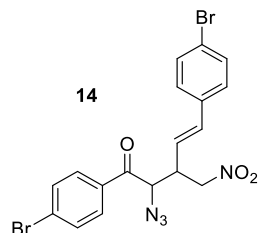


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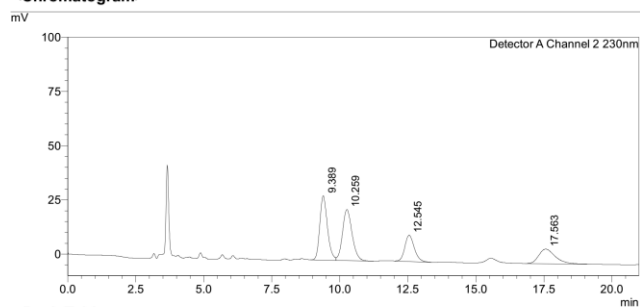
Detector A Channel 2 230nm				
Peak#	Ret. Time	Height	Mark	Area%
1	21.690	19196	M	15.856
2	29.406	8602	M	10.722
3	39.693	36253	M	60.631
4	49.023	7333	M	12.791
Total		71384		100.000

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Analysis Report



<Chromatogram>

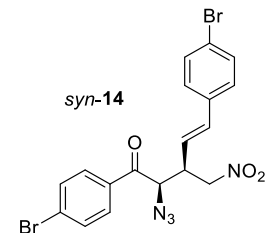


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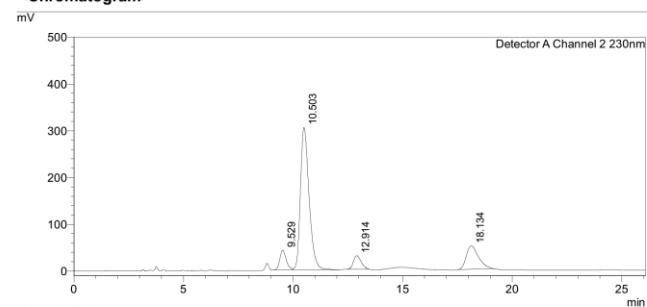
Peak#	Ret. Time	Area	Height	Conc.
1	9.389	579264	29641	33.417
2	10.259	579920	23601	33.455
3	12.545	290890	12068	16.781
4	17.563	283361	6734	16.347
Total		1733435	72044	

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Analysis Report



<Chromatogram>

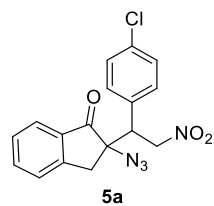


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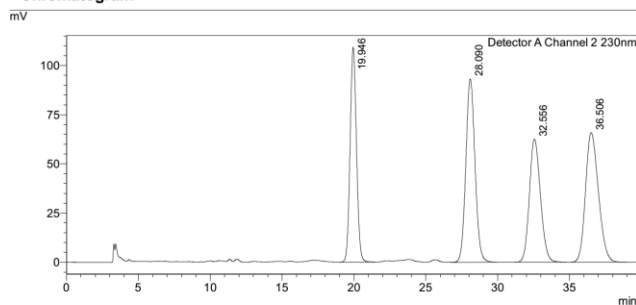
Peak#	Ret. Time	Area	Height	Conc.
1	9.529	863198	42506	7.272
2	10.503	8346082	304698	70.309
3	12.914	716041	28996	6.032
4	18.134	1945239	50125	16.387
Total		11870560	426325	

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Analysis Report



<Chromatogram>

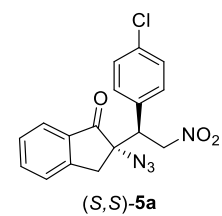


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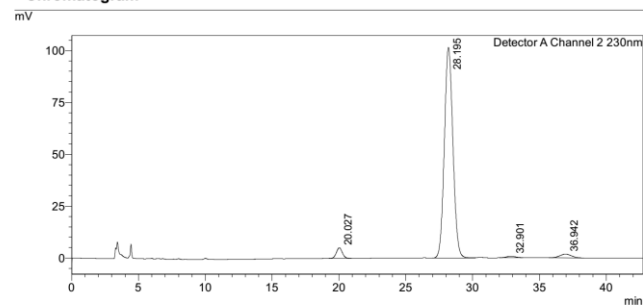
Peak#	Ret. Time	Area	Height	Conc.
1	19.946	3360930	109024	22.487
2	28.090	4130771	93178	27.638
3	32.556	3349150	62550	22.409
4	36.506	4104990	65844	27.466
Total		14945841	330596	

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Analysis Report



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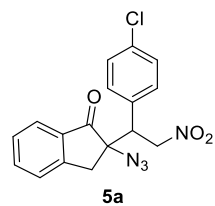


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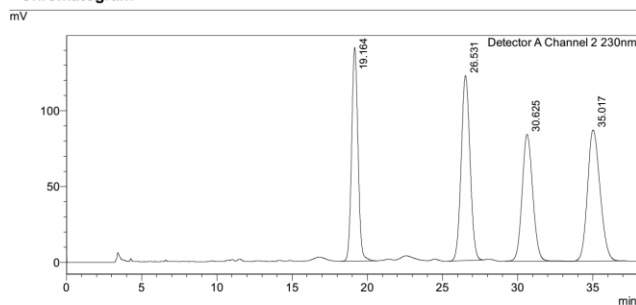
Peak#	Ret. Time	Area	Height	Conc.
1	20.027	158008	5110	3.273
2	28.195	4521425	101469	93.653
3	32.901	38045	735	0.788
4	36.942	110356	1797	2.286
Total		4827833	109112	

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Analysis Report



<Chromatogram>

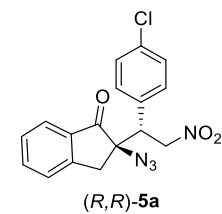


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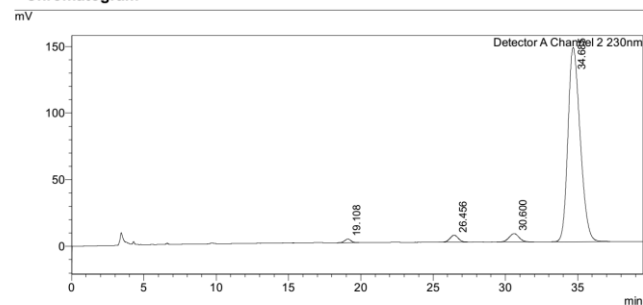
Peak#	Ret. Time	Area	Height	Conc.
1	19.164	4139447	140922	22.663
2	26.531	4977239	122103	27.249
3	30.625	4113754	83715	22.522
4	35.017	5035006	86623	27.566
Total		18265445	433363	

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Analysis Report



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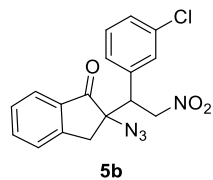


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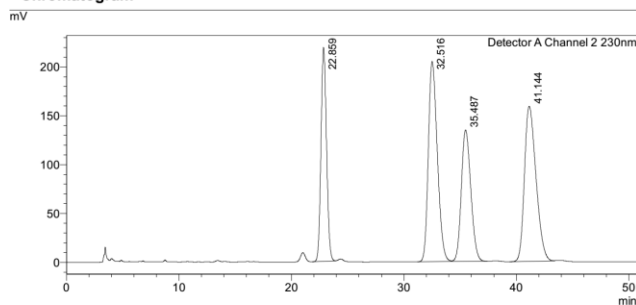
Peak#	Ret. Time	Area	Height	Conc.
1	19.108	80546	2677	0.881
2	26.456	210979	5242	2.307
3	30.600	299594	6244	3.276
4	34.685	8553687	145577	93.536
Total		9144806	159740	

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Analysis Report



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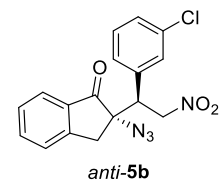


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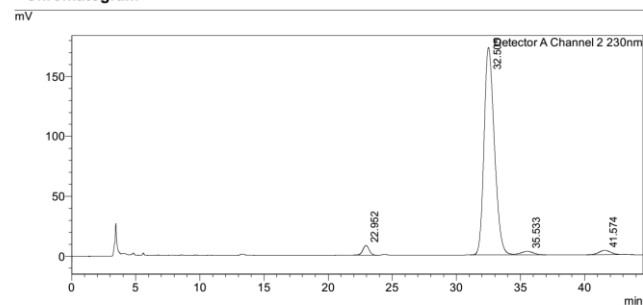
Peak#	Ret. Time	Area	Height	Conc.
1	22.859	7492071	218797	19.673
2	32.516	11365924	204903	29.845
3	35.487	7901395	134656	20.747
4	41.144	11324305	158738	29.735
Total		38083695	717094	

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Analysis Report



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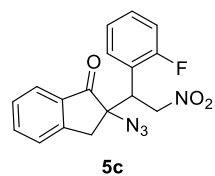


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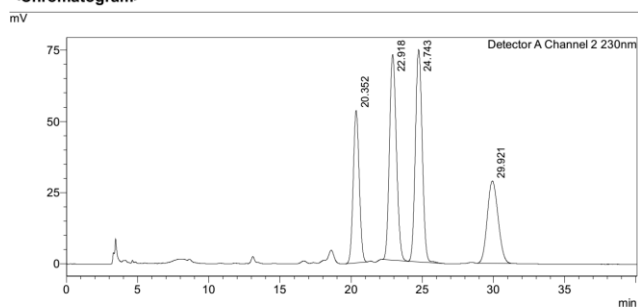
Peak#	Ret. Time	Area	Height	Conc.
1	22.952	271192	8014	2.602
2	32.505	9714307	172997	93.194
3	35.533	197606	2851	1.896
4	41.574	240652	3599	2.309
Total		10423757	187461	

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Analysis Report



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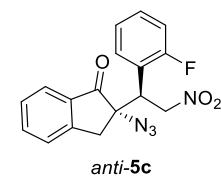


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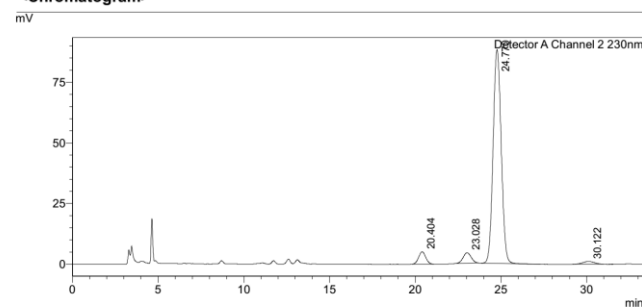
Peak#	Ret. Time	Area	Height	Conc.
1	20.352	1566977	53426	19.544
2	22.918	2444040	72162	30.483
3	24.743	2481510	74522	30.950
4	29.921	1525146	28893	19.022
Total		8017672	229003	

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Analysis Report



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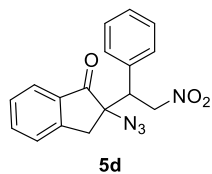


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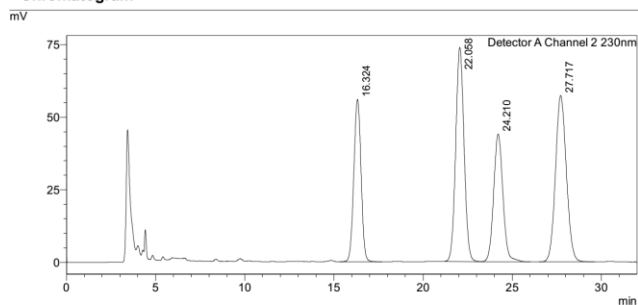
Peak#	Ret. Time	Area	Height	Conc.
1	20.404	146511	5105	4.518
2	23.028	140889	4318	4.345
3	24.770	2902606	88223	89.507
4	30.122	52880	1122	1.631
Total		3242886	98768	

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Analysis Report



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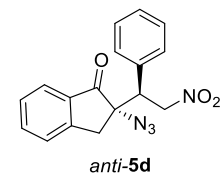


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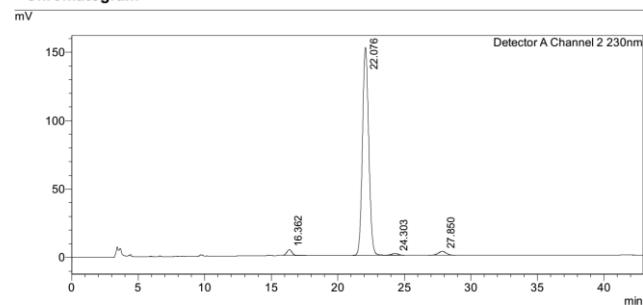
Peak#	Ret. Time	Area	Height	Conc.
1	16.324	1577646	55998	19.696
2	22.058	2403632	73786	30.008
3	24.210	1597074	44012	19.938
4	27.717	2431659	57289	30.358
Total		8010011	231085	

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Analysis Report



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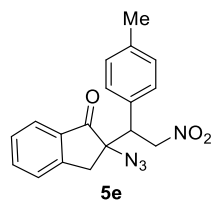


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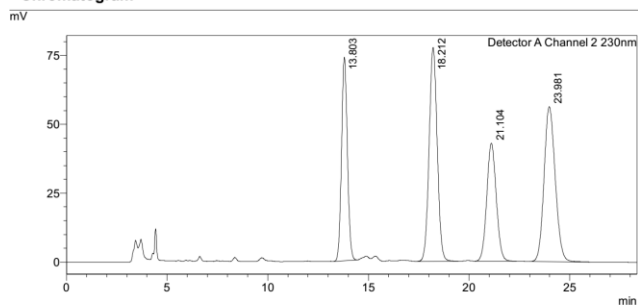
Peak#	Ret. Time	Area	Height	Conc.
1	16.362	102944	4147	1.958
2	22.076	5003196	151882	95.137
3	24.303	40672	1212	0.773
4	27.850	112132	2712	2.132
Total		5258944	159954	

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Analysis Report



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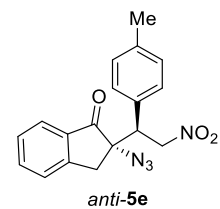


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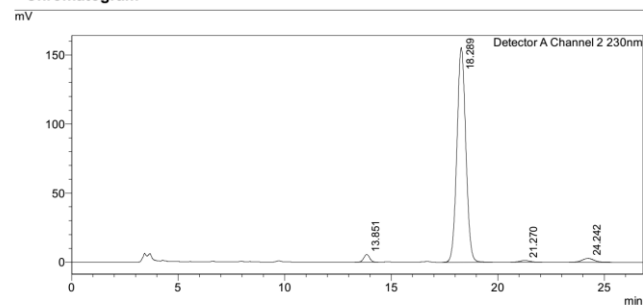
Peak#	Ret. Time	Area	Height	Conc.
1	13.803	1492575	73860	20.622
2	18.212	2167860	77607	29.952
3	21.104	1404092	42768	19.400
4	23.981	2173217	56266	30.026
Total		7237744	250500	

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Analysis Report



<Chromatogram>

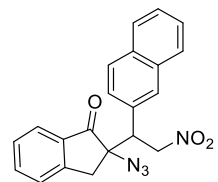


<Peak Table>

Peak#	Ret. Time	Area	Height	Conc.
1	13.851	107510	5548	2.257
2	18.289	4506146	155407	94.618
3	21.270	40430	1251	0.849
4	24.242	108367	2779	2.275
Total		4762453	164984	

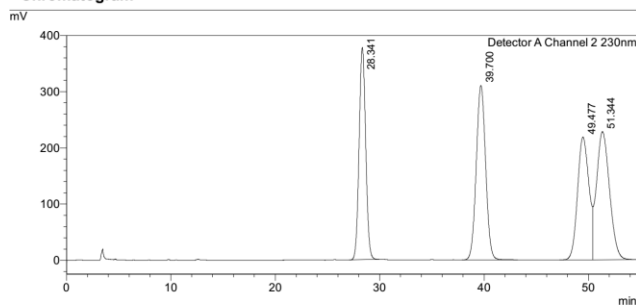
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Analysis Report



5f

<Chromatogram>



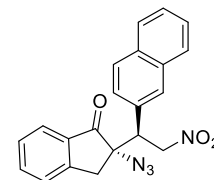
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Detector A Channel 2 230nm

Peak#	Ret. Time	Area	Height	Conc.
1	28.341	16502824	377467	22.823
2	39.700	19369624	310417	26.788
3	49.477	16609534	218361	22.971
4	51.344	19825080	227893	27.418
Total		72307063	1134138	

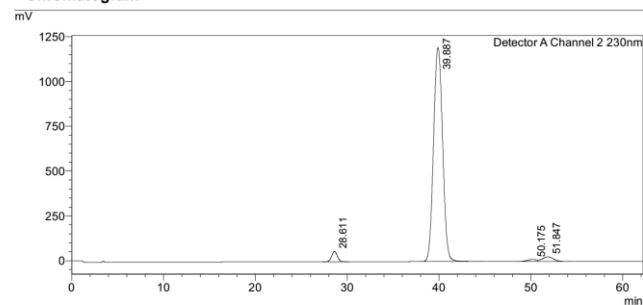
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Analysis Report



anti-5f

<Chromatogram>



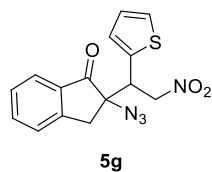
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Detector A Channel 2 230nm

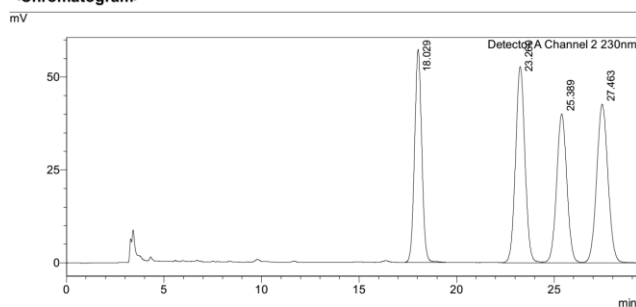
Peak#	Ret. Time	Area	Height	Conc.
1	28.611	2462097	58261	2.821
2	39.887	81856552	1194110	93.789
3	50.175	776887	10917	0.890
4	51.847	2182079	25851	2.500
Total		87277616	1289139	

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Analysis Report



<Chromatogram>

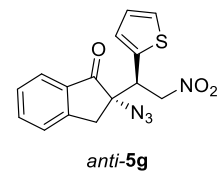


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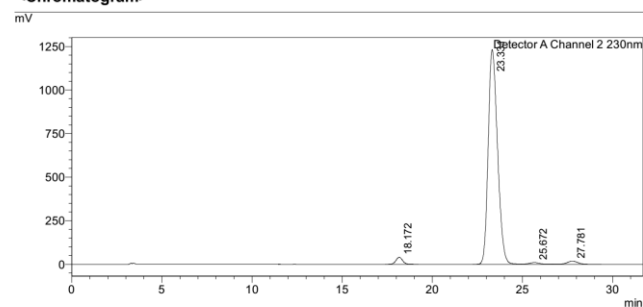
Peak#	Ret. Time	Area	Height	Conc.
1	18.029	1467559	57321	22.897
2	23.260	1763727	52779	27.517
3	25.389	1458104	40091	22.749
4	27.463	1720097	42661	26.837
Total		6409487	192852	

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Analysis Report



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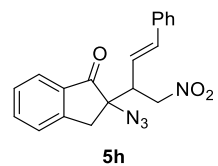


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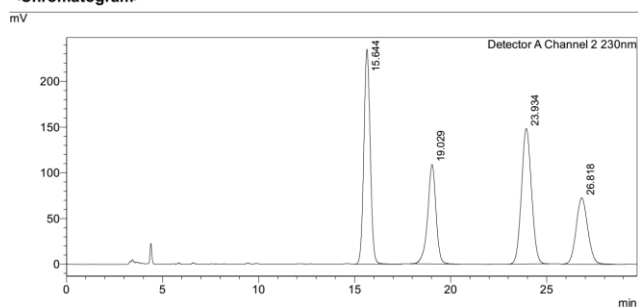
Peak#	Ret. Time	Area	Height	Conc.
1	18.172	1039964	40295	2.234
2	23.331	44342258	1232595	95.261
3	25.672	414448	10113	0.890
4	27.781	751450	18059	1.614
Total		46548120	1301061	

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Analysis Report



<Chromatogram>

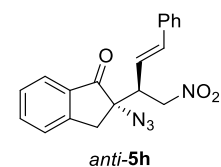


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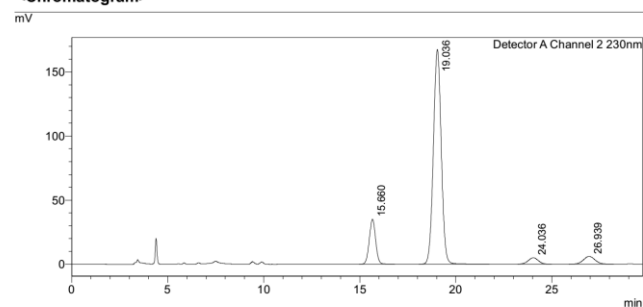
Peak#	Ret. Time	Area	Height	Conc.
1	15.644	5413897	234901	31.646
2	19.029	3290790	108594	19.236
3	23.934	5373533	148352	31.410
4	26.818	3029363	72512	17.708
Total		17107583	564360	

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Analysis Report



<Chromatogram>

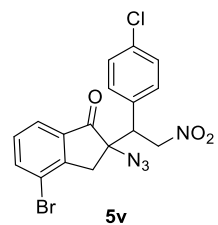


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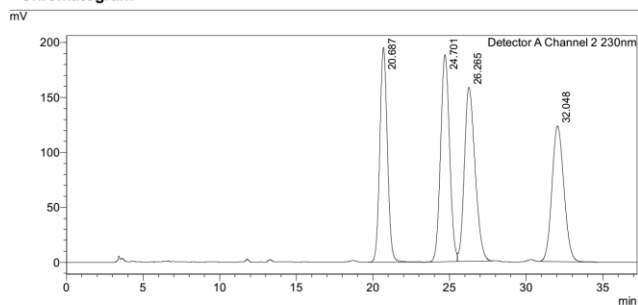
Peak#	Ret. Time	Area	Height	Conc.
1	15.660	805178	35122	13.434
2	19.036	4748924	167380	79.231
3	24.036	182060	4997	3.037
4	26.939	257597	6055	4.298
Total		5993759	213554	

D:\Data\dppl\DE\dppl-de-53-ASY-OZH-95-5-1.0-230.lcd

Analysis Report



<Chromatogram>



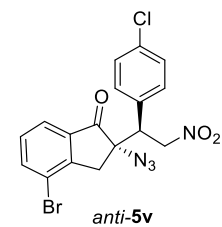
<Peak Table>

Detector A Channel 2 230nm

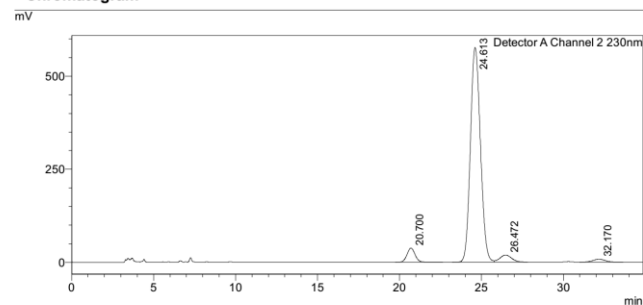
Peak#	Ret. Time	Area	Height	Conc.
1	20.687	6689671	195214	23.251
2	24.701	7674812	188320	26.674
3	26.265	7695136	158242	26.745
4	32.048	6712520	123533	23.330
Total		28772139	665309	

D:\Data\dpg\DE\dpg-de-35-1-rac-OZH-95-5-1.0-230.lcd

Analysis Report



<Chromatogram>



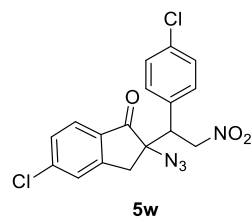
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Detector A Channel 2 230nm

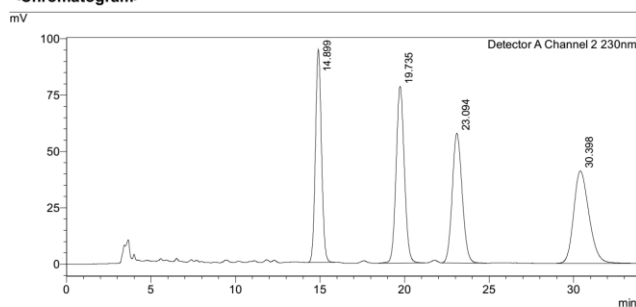
Peak#	Ret. Time	Area	Height	Conc.
1	20.700	1287084	37813	4.733
2	24.613	24554371	576377	90.303
3	26.472	939940	18968	3.457
4	32.170	409846	7698	1.507
Total		27191241	640855	

D:\Data\dpg\DE\dpg-de-35-1-ASY-OZH-95-5-1.0-230.lcd

Analysis Report



<Chromatogram>

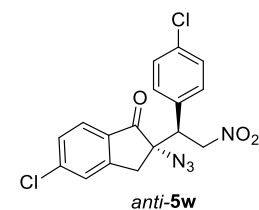


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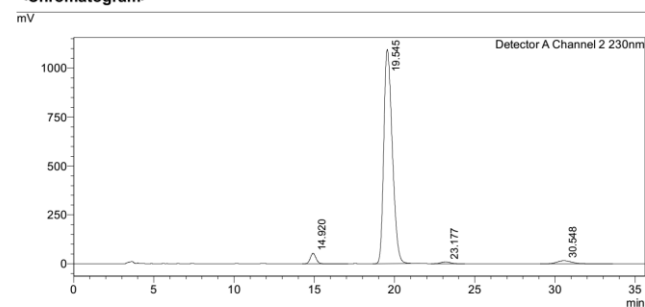
Peak#	Ret. Time	Area	Height	Conc.
1	14.899	2351921	94509	23.637
2	19.735	2653916	78404	26.672
3	23.094	2350445	57513	23.622
4	30.398	2593885	41058	26.069
Total		9950167	271485	

D:\Data\dpj\DE\dpj-de-35-2-RAC-OZH-90-10-1.0-230.lcd

Analysis Report



<Chromatogram>

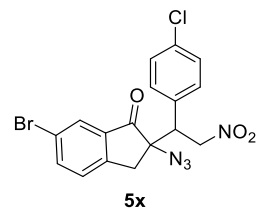


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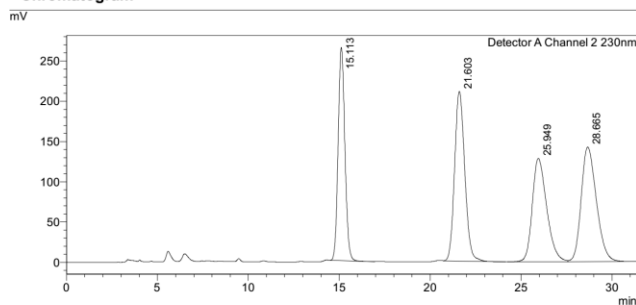
Peak#	Ret. Time	Area	Height	Conc.
1	14.920	1340748	53333	3.107
2	19.545	40393392	1095065	93.609
3	23.177	376522	9345	0.873
4	30.548	1040560	16013	2.411
Total		43151222	1173755	

D:\Data\dpj\DE\dpj-de-35-2-ASY-OZH-90-10-1.0-230.lcd

Analysis Report



<Chromatogram>

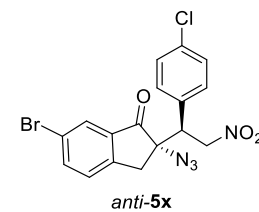


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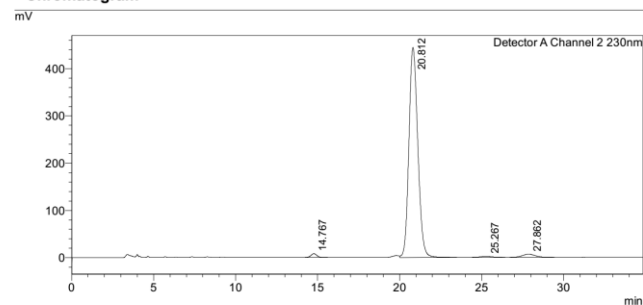
Peak#	Ret. Time	Area	Height	Conc.
1	15.113	6833951	264692	22.512
2	21.603	8170558	210475	26.915
3	25.949	7080220	128309	23.323
4	28.665	8272489	142335	27.250
Total		30357218	745811	

D:\Data\dppl\DE\dppl-de-51-1-RAC-OZH-90-10-1.0-230.lcd

Analysis Report



<Chromatogram>

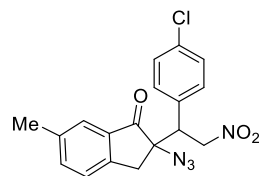


<Peak Table>

Peak#	Ret. Time	Area	Height	Conc.
1	14.767	188758	7767	1.087
2	20.812	16751992	444063	96.434
3	25.267	87228	1804	0.502
4	27.862	343529	6419	1.978
Total		17371507	460053	

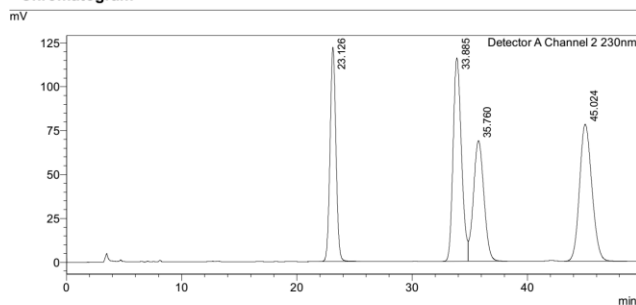
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Analysis Report



5y

<Chromatogram>



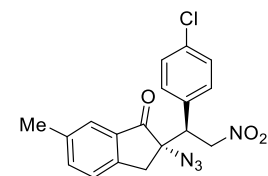
<Peak Table>

Detector A Channel 2 230nm

Peak#	Ret. Time	Area	Height	Conc.
1	23.126	4335996	121909	21.301
2	33.885	5851142	115823	28.744
3	35.760	4349941	68679	21.369
4	45.024	5819027	78107	28.586
Total		20356106	384518	

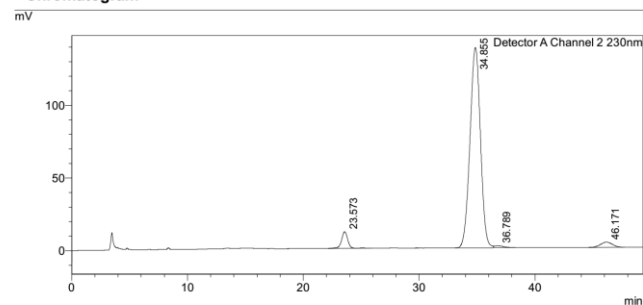
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Analysis Report



anti-5y

<Chromatogram>



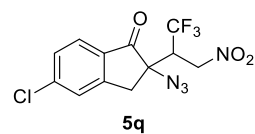
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Detector A Channel 2 230nm

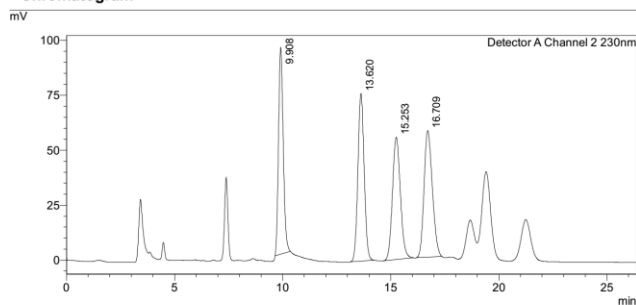
Peak#	Ret. Time	Area	Height	Conc.
1	23.573	417162	11469	4.440
2	34.855	8650205	137746	92.076
3	36.789	66601	1283	0.709
4	46.171	260650	3576	2.774
Total		9394617	154074	

D:\Data\dpg\DE\dpg-de-51-2-asy-OZH-97-3-1.0-230.lcd

Analysis Report



<Chromatogram>

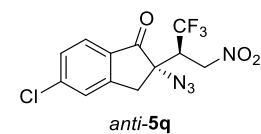


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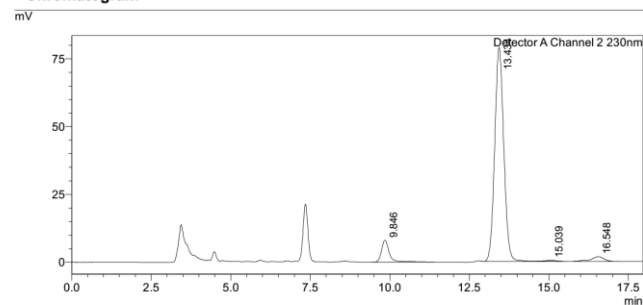
Peak#	Ret. Time	Area	Height	Conc.
1	9.908	1426101	93962	24.066
2	13.620	1534169	76172	25.890
3	15.253	1420166	55682	23.966
4	16.709	1545291	57618	26.078
Total		5925728	283434	

D:\Data\dpg\DF\dpg-df-79-rac-OZH-95-5-1.0-230.lcd

Analysis Report



<Chromatogram>

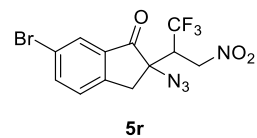


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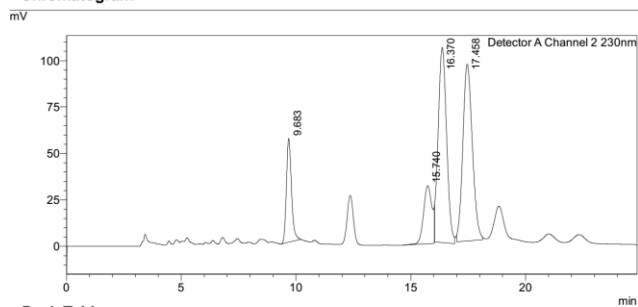
Peak#	Ret. Time	Area	Height	Conc.
1	9.846	139508	8110	7.889
2	13.434	1568225	78878	88.676
3	15.039	8321	365	0.471
4	16.548	52429	1771	2.965
Total		1768484	89124	

D:\Data\dpg\DF\dpg-df-80-asz-OZH-95-5-1.0-230.lcd

Analysis Report



<Chromatogram>

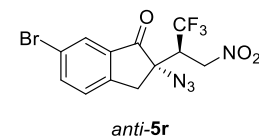


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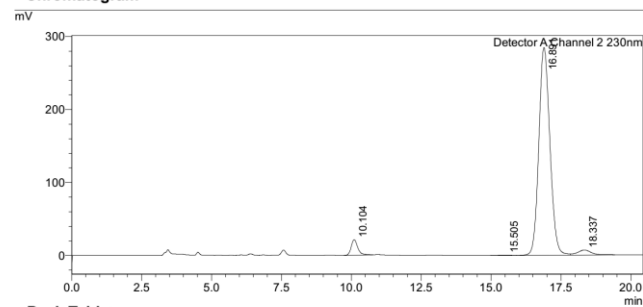
Peak#	Ret. Time	Area	Height	Conc.
1	9.683	854075	55817	12.051
2	15.740	801815	31325	11.314
3	16.370	2695654	105015	38.036
4	17.458	2735521	95158	38.599
Total		7087065	287314	

D:\Data\dpg\DE\dpg-de-125-3-RAC-OZH-95-5-1.0-230.lcd

Analysis Report



<Chromatogram>

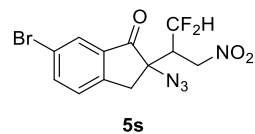


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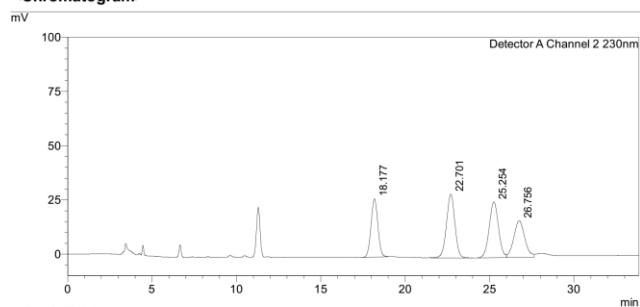
Peak#	Ret. Time	Area	Height	Conc.
1	10.104	343442	21322	4.085
2	15.505	9933	404	0.118
3	16.891	7830020	284537	93.143
4	18.337	223074	6771	2.654
Total		8406469	313034	

D:\Data\dpg\DF\dpg-df-71-asy-OZH-95-5-1.0-230.lcd

Analysis Report



<Chromatogram>

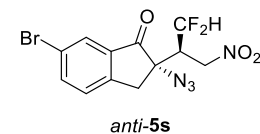


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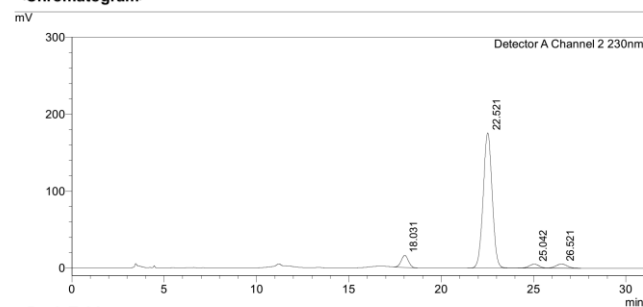
Peak#	Ret. Time	Area	Height	Conc.
1	18.177	760439	26853	21.512
2	22.701	1019686	29336	28.846
3	25.254	984388	25724	27.847
4	26.756	770475	16917	21.796
Total		3534987	98829	

D:\Data\dpg\DK\dpg-dk-127-RAC-ozh-95-5-1.0-233.lcd

Analysis Report



<Chromatogram>

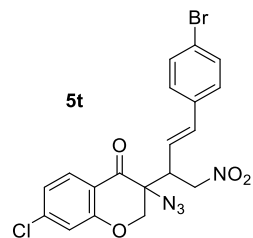


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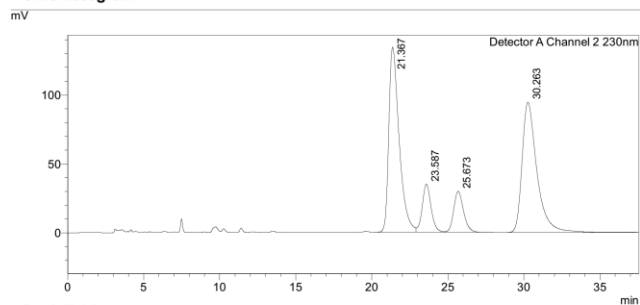
Peak#	Ret. Time	Area	Height	Conc.
1	18.031	422147	15573	6.163
2	22.521	6003692	175775	87.646
3	25.042	192787	5198	2.814
4	26.521	231310	5437	3.377
Total		6849936	201983	

D:\Data\dpg\DK\dpg-dk-121-ASY-ozh-95-5-1.0-233.lcd

Analysis Report



<Chromatogram>

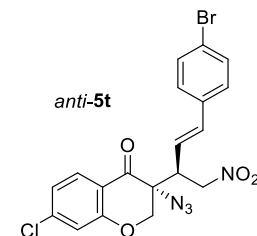


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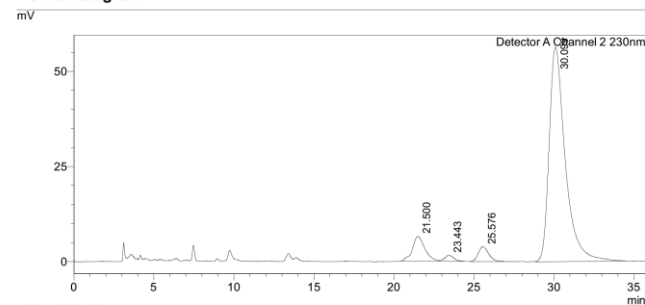
Peak#	Ret. Time	Area	Height	Conc.
1	21.367	6369080	134358	40.882
2	23.587	1431179	34939	9.186
3	25.673	1347286	29796	8.648
4	30.263	6431744	94565	41.284
Total		15579289	293658	

D:\Data\dpg\dm\dpg-dm-147-3-rac-adh-90-10-1.0-232.lcd

Analysis Report



<Chromatogram>

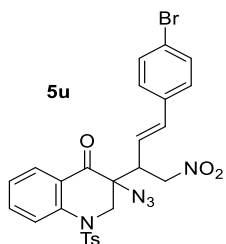


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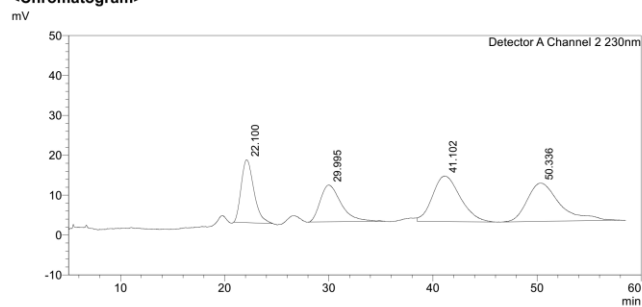
Peak#	Ret. Time	Area	Height	Conc.
1	21.500	351448	6513	7.765
2	23.443	61094	1549	1.350
3	25.576	177483	3900	3.921
4	30.099	3935925	56308	86.964
Total		4525950	68270	

D:\Data\dpg\dm\dpg-dm-147-2-asy-adh-90-10-1.0-232.lcd

Analysis Report



<Chromatogram>

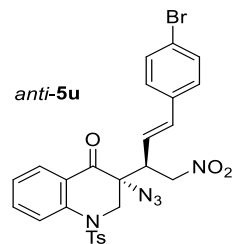


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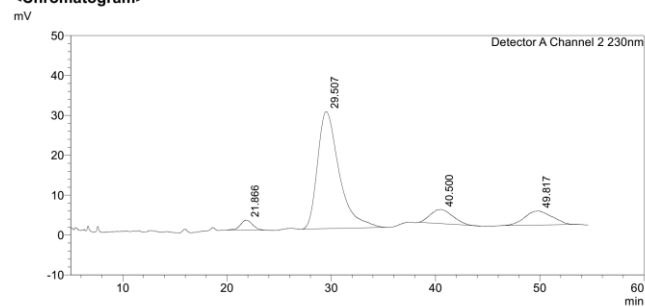
Peak#	Ret. Time	Height	Mark	Area%
1	22.100	15760	M	19.545
2	29.995	9216	M	18.801
3	41.102	11439	M	31.070
4	50.336	9593	M	30.585
Total		46009		100.000

D:\Data\dpg\dpg-dm-129-3-rac-ozh-70-30-1.0-231.lcd

Analysis Report



<Chromatogram>

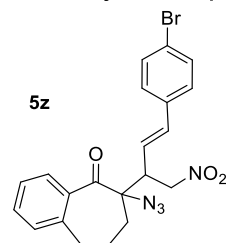


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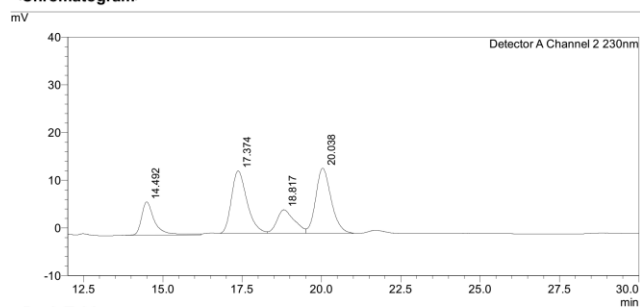
Peak#	Ret. Time	Height	Mark	Area%
1	21.866	2477	M	3.633
2	29.507	29328	M	75.638
3	40.500	3511	M	9.326
4	49.817	3509	M	11.403
Total		38825		100.000

D:\Data\dpg\dpg-dm-141-asy-ozh-70-30-1.0-231.lcd

Analysis Report



<Chromatogram>

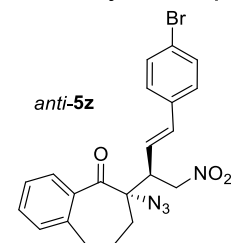


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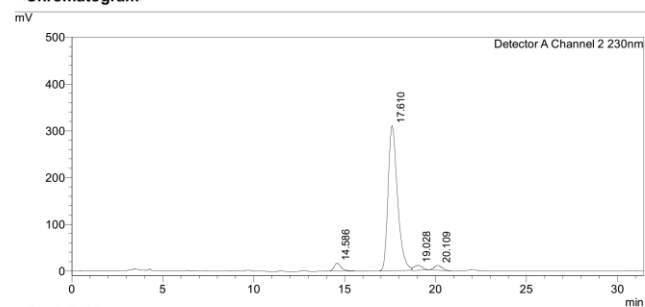
Peak#	Ret. Time	Area	Height	Conc.
1	14.492	199793	6975	15.395
2	17.374	446714	13109	34.422
3	18.817	189029	4952	14.566
4	20.038	462221	13654	35.617
Total		1297757	38690	

D:\Data\dppldm\dpd-dm-62-3-rac-adh-90-10-1.0-232.lcd

Analysis Report



<Chromatogram>

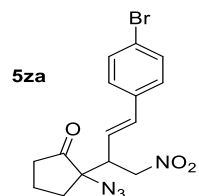


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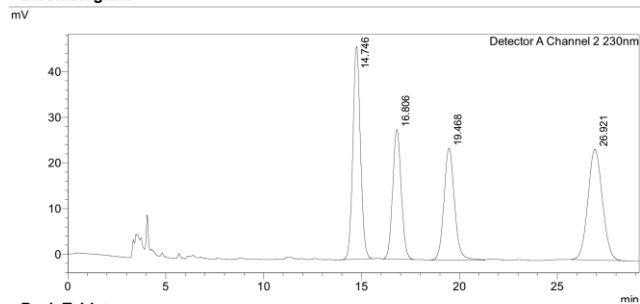
Peak#	Ret. Time	Area	Height	Conc.
1	14.586	511734	17438	4.152
2	17.610	11172325	309491	90.650
3	19.028	331572	10537	2.690
4	20.109	309086	10317	2.508
Total		12324717	347783	

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Analysis Report



<Chromatogram>

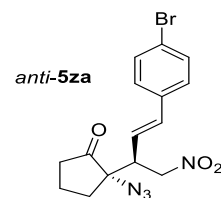


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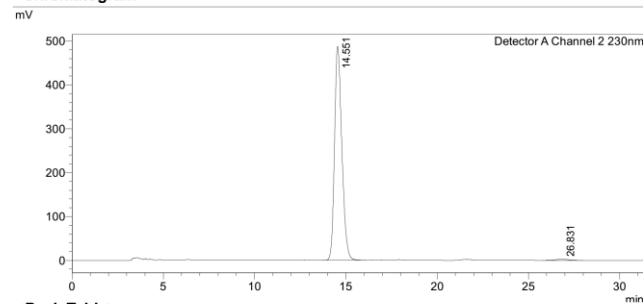
Peak#	Ret. Time	Area	Height	Conc.
1	14.746	1259694	46643	29.371
2	16.806	861001	28423	20.075
3	19.468	922536	24516	21.510
4	26.921	1245666	24265	29.044
Total		4288897	123848	

D:\Data\dppl\dppl-dn-42-3-rac-OZH-85-15-1.0-234.lcd

Analysis Report



<Chromatogram>

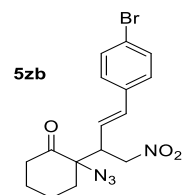


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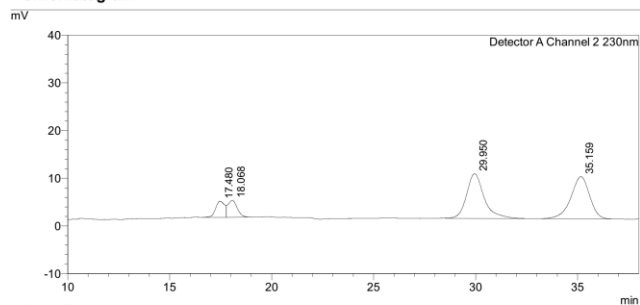
Peak#	Ret. Time	Area	Height	Conc.
1	14.551	13596849	487474	99.003
2	26.831	136937	2728	0.997
Total		13733786	490202	

D:\Data\dppl\dppl-dn-42-2-asy-OZH-85-15-1.0-234.lcd

Analysis Report



<Chromatogram>

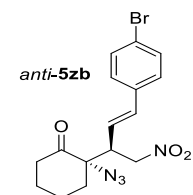


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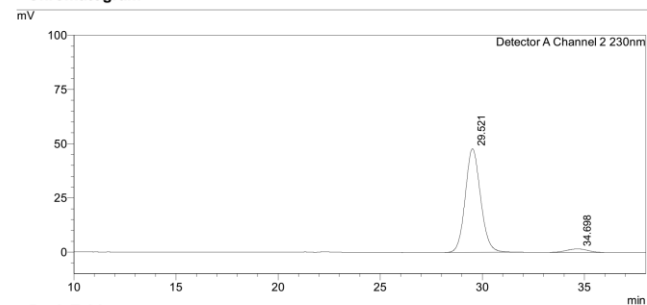
Peak#	Ret. Time	Area	Height	Conc.
1	17.480	105619	3350	7.868
2	18.068	113664	3554	8.467
3	29.950	557872	9356	41.557
4	35.159	565276	8827	42.108
Total		1342431	25088	

D:\Data\dpg\dm\dpg-dm-80-rac-OZH-95-5-1.0-231.lcd

Analysis Report



<Chromatogram>

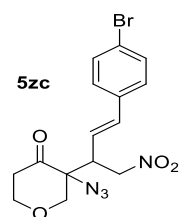


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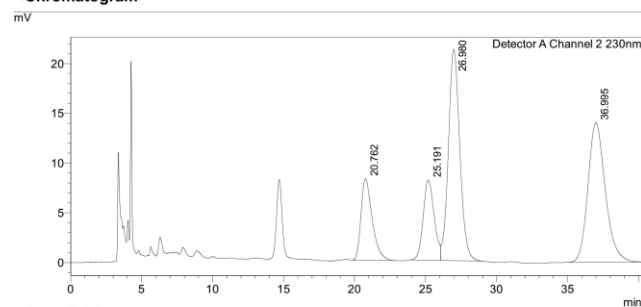
Peak#	Ret. Time	Area	Height	Conc.
1	29.521	2501215	47823	95.611
2	34.698	114822	1605	4.389
Total		2616036	49428	

D:\Data\dpg\dm\dpg-dm-68-2-asy-OZH-95-5-1.0-231.lcd

Analysis Report



<Chromatogram>

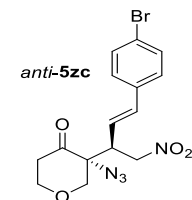


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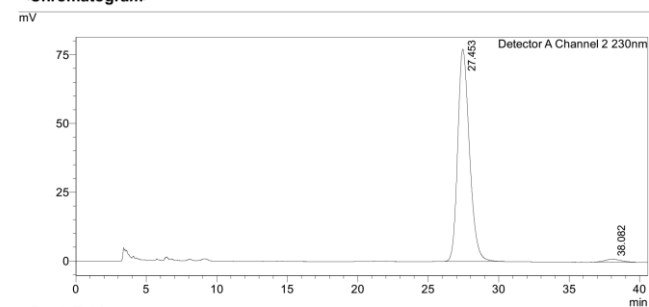
Peak#	Ret. Time	Area	Height	Conc.
1	20.762	448847	8199	13.766
2	25.191	432673	8070	13.270
3	26.980	1186223	21235	36.382
4	36.995	1192689	14004	36.581
Total		3260431	51508	

D:\Data\dppl\dn\dppl-dn-40-3-rac-OZH-85-15-1.0-235.lcd

Analysis Report



<Chromatogram>

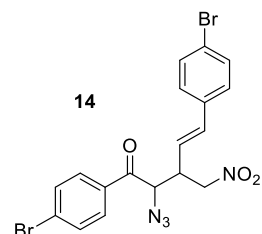


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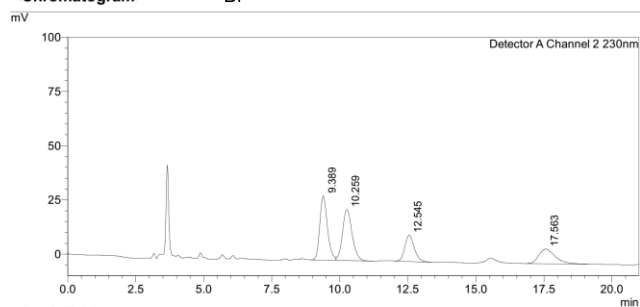
Peak#	Ret. Time	Area	Height	Conc.
1	27.453	4466512	77144	98.173
2	38.082	83138	1041	1.827
Total		4549651	78185	

D:\Data\dppl\dn\dppl-dn-40-2-asy-OZH-85-15-1.0-234.lcd

Analysis Report



<Chromatogram>

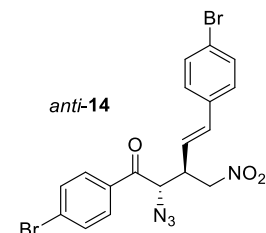


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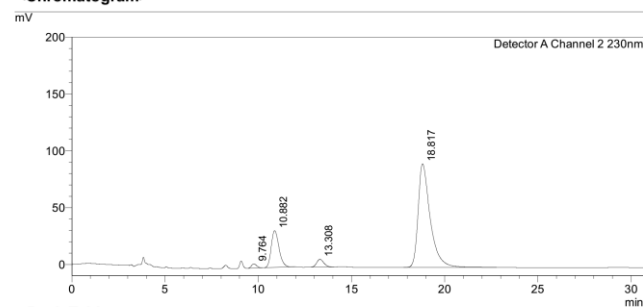
Peak#	Ret. Time	Area	Height	Conc.
1	9.389	579264	29641	33.417
2	10.259	579920	23601	33.455
3	12.545	290890	12068	16.781
4	17.563	283361	6734	16.347
Total		1733435	72044	

D:\Data\dpg\DK\dpg-dk-57-RAC-IF-85-15-1.0-234.lcd

Analysis Report



<Chromatogram>

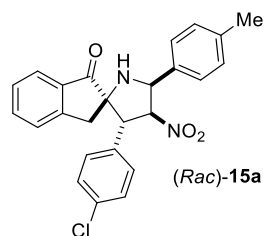


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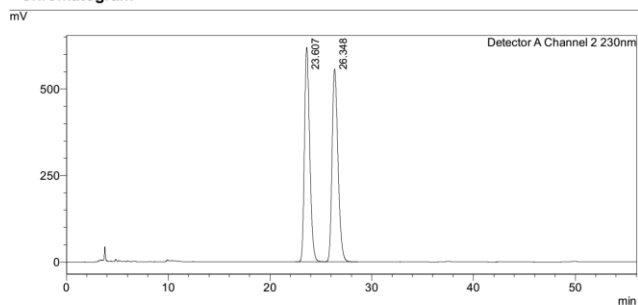
Peak#	Ret. Time	Area	Height	Conc.
1	9.764	72991	3776	1.371
2	10.882	939070	32372	17.636
3	13.308	182780	6878	3.433
4	18.817	4129885	91309	77.561
Total		5324725	134334	

D:\Data\dpg\DK\dpg-dk-129-1-asy-IF-85-15-1.0-231.lcd

Analysis Report



<Chromatogram>



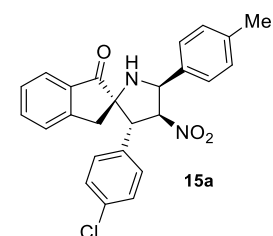
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Detector A Channel 2 230nm

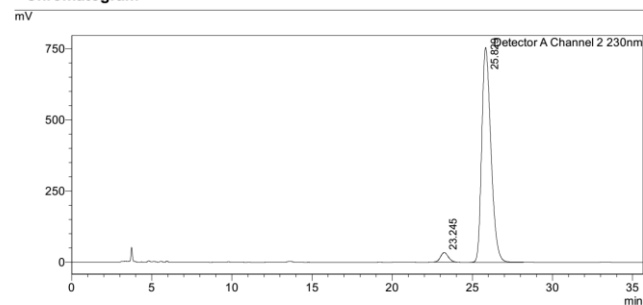
Peak#	Ret. Time	Area	Height	Conc.
1	23.607	22323523	619557	49.661
2	26.348	22628496	557170	50.339
Total		44952019	1176727	

D:\Data\dpj\DE\dpj-de-95-RAC-ADH-85-15-1.0-230.lcd

Analysis Report



<Chromatogram>



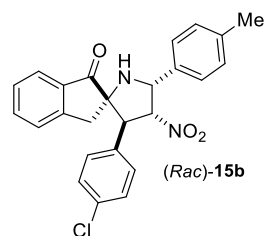
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Detector A Channel 2 230nm

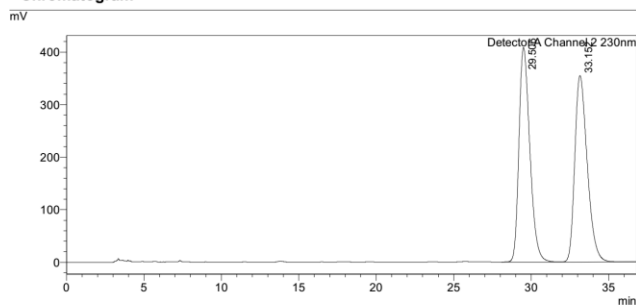
Peak#	Ret. Time	Area	Height	Conc.
1	23.245	1121821	33363	3.588
2	25.829	30147847	754828	96.412
Total		31269669	788191	

D:\Data\dpj\DE\dpj-de-95-ASY-ADH-85-15-1.0-230.lcd

Analysis Report



<Chromatogram>

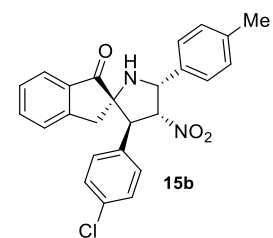


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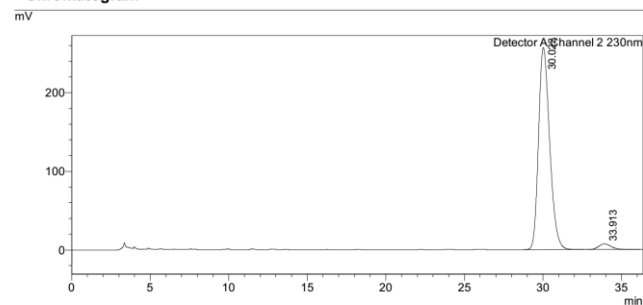
Peak#	Ret. Time	Area	Height	Conc.
1	29.506	19960514	407942	50.141
2	33.152	19848149	354591	49.859
Total		39808663	762533	

D:\Data\dpg\DE\dpg-de-137-RAC-ADH-85-15-1.0-231.lcd

Analysis Report



<Chromatogram>

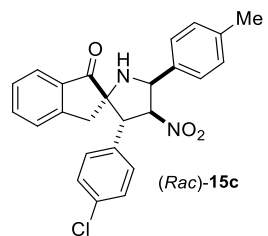


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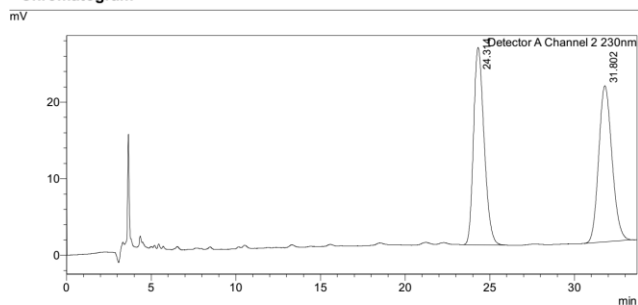
Peak#	Ret. Time	Area	Height	Conc.
1	30.022	12648662	256960	96.862
2	33.913	409740	7152	3.138
Total		13058402	264112	

D:\Data\dpg\DE\dpg-de-137-ASY-ADH-85-15-1.0-231.lcd

Analysis Report



<Chromatogram>



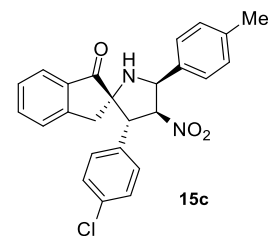
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Detector A Channel 2 230nm

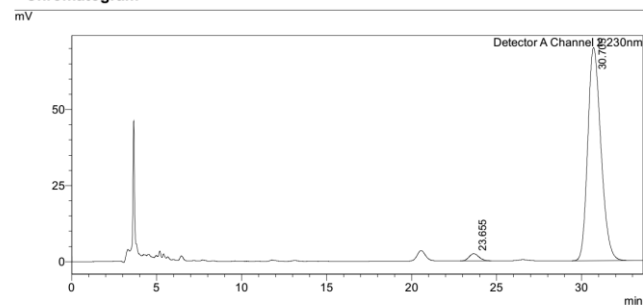
Peak#	Ret. Time	Area	Height	Conc.
1	24.314	1117675	25783	50.030
2	31.802	1116319	20407	49.970
Total		2233993	46190	

D:\Data\dppl\DE\dpq-de-101-RAC-ADH-70-30-1.0-230.lcd

Analysis Report



<Chromatogram>



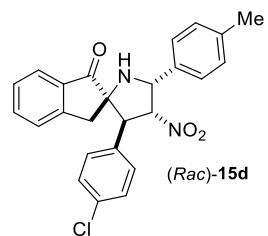
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Detector A Channel 2 230nm

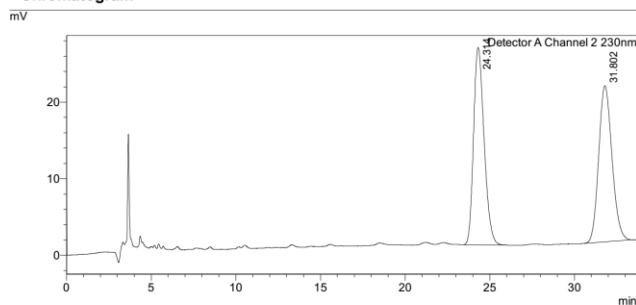
Peak#	Ret. Time	Area	Height	Conc.
1	23.655	94932	2358	2.462
2	30.705	3761484	69972	97.538
Total		3856416	72330	

D:\Data\dppl\DE\dpq-de-115-ASY-ADH-70-30-1.0-230.lcd

Analysis Report



<Chromatogram>

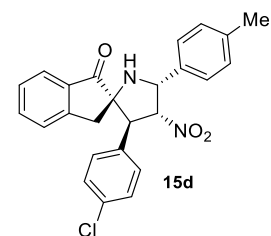


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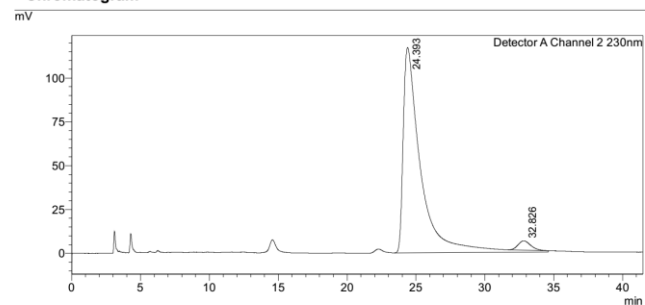
Peak#	Ret. Time	Area	Height	Conc.
1	24.314	1117675	25783	50.030
2	31.802	1116319	20407	49.970
Total		2233993	46190	

D:\Data\dpj\DE\dpj-de-101-RAC-ADH-70-30-1.0-230.lcd

Analysis Report



<Chromatogram>



<Peak Table>

Peak#	Ret. Time	Area	Height	Conc.
1	24.393	10329498	117044	96.826
2	32.826	338589	5311	3.174
Total		10668086	122354	

D:\Data\dpj\DF\dpj-df-21-ASY-ADH-70-30-1.0-230.lcd