

[Ag(PcL)]-Catalysed Domino Approach to 6-Substituted Benzoxazino Isoquinolines

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X-ray Single-Crystal Structure Determination.

Crystal data and structure determination results are summarized in Table 1S. X-ray data collection was carried out at 180 K using graphite-monochromated Mo K α radiation ($\lambda = 0.71073 \text{ \AA}$) on a Bruker SMART-APEX II diffractometer equipped with an Oxford Cryosystems N₂ gas blower. A ω -scan at three different ϕ settings and a detector position of -30° in 2θ was performed within the Bragg limits of $1.5 < \theta < 27.7^\circ$. Determination of the integrated intensities and unit cell refinements were performed using SAINT¹. The intensity data were corrected for absorption by using SADABS.¹ No *decay correction* was applied. The structures were solved by direct methods (SIR2014)² and refined by full-matrix least squares on F² (SHELX 2014)³ with the WINGX interface.⁴

All hydrogen atoms were located from the difference Fourier map and refined as “riding” on the adjacent carbon with individual isotropic temperature factor 1.2 or 1.5 (H-methyl group) times the value of the equivalent temperature factor of the parent atom. All non-hydrogen atoms were *refined with full occupancy and anisotropic displacement parameters*. The diagram was drawn using ORTEPIII program.⁵

1. Bruker. *SADABS* and *SAINT* **2009**, Bruker AXS Inc., Madison, Wisconsin, USA.
2. Burla, M. C.; Caliandro, R.; Camalli, M.; Carrozzini, B.; Cascarano, G. L.; De Caro, L.; Giacovazzo, C.; Polidori, G.; Spagna, R. *J. Appl. Crystallogr.* **2005**, *38* (2), 381–388.
3. Sheldrick, G. M. *Acta Crystallogr. Sect. C Struct. Chem.* **2015**, *71*, 3–8.
4. Farrugia, L. J. *J. Appl. Crystallogr.* **2012**, *45* (4), 849–854.
5. M. N. Burnett and C. K. Johnson, ORTEP-III Report ORNL-6895. Oak Ridge National Laboratory, Tennessee, USA, 1996.

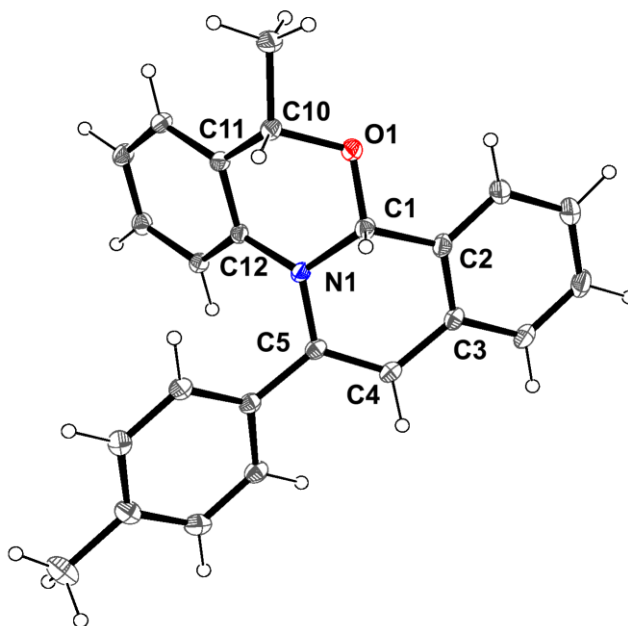


Figure 1S: The molecular structure of compound **3e** showing the numbering schemes for some non-hydrogen atoms. Displacement ellipsoids are plotted at the 40% probability level.

Table 1S. Summary of X-ray single crystal diffraction refinement results for **3e**.

Identification code	3f
Empirical formula	C ₂₄ H ₂₁ NO
Formula weight	339.42
Temperature (K)	180(2)
Wavelength (Å)	0.71073
Crystal system	Monoclinic
Space group	<i>P</i> 2 ₁ / <i>c</i>
Unit cell dimensions	a = 14.0503(6) Å b = 5.6227(3) Å c = 22.727(1) Å β = 97.907(1)°
Volume (Å ³)	1778.38(14)
Z	4
Density (calculated) (g/cm ³)	1.268
Absorption coefficient μ (mm ⁻¹)	0.077
<i>F</i> (000)	720
<i>T</i> _{min} , <i>T</i> _{max}	0.692, 0.746
Theta range for data collection	1.5 to 27.7°
Index ranges	-18 ≤ <i>h</i> ≤ 18, -7 ≤ <i>k</i> ≤ 7, -29 ≤ <i>l</i> ≤ 29
(sin θ/λ) _{max} (Å ⁻¹)	0.654
Reflections collected	16557
Independent reflections	4171 [<i>R</i> _{int} = 0.0164]
Observed reflections [<i>I</i> > 2σ(<i>I</i>)]	3707
Completeness to theta	100.0 %
Data / restraints / parameters	4171 / 0 / 298
Goodness-of-fit on <i>F</i> ²	1.038
Final <i>R</i> indices [<i>I</i> > 2σ(<i>I</i>)]	<i>R</i> ₁ = 0.0406, w <i>R</i> ₂ = 0.1103
<i>R</i> indices (all data)	<i>R</i> ₁ = 0.0453, w <i>R</i> ₂ = 0.1146
Largest diff. peak and hole (e.Å ⁻³)	0.285 and -0.223

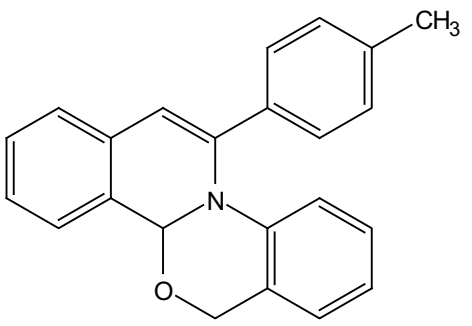
Table 2S. Fractional atomic coordinates and isotropic or equivalent isotropic displacement parameters (\AA^2) for **3e**.

	<i>x</i>	<i>y</i>	<i>z</i>	$U_{\text{iso}}^*/U_{\text{eq}}$
N1	0.21375 (6)	0.63809 (17)	0.19670 (4)	0.0230 (2)
O1	0.17875 (6)	0.40750 (15)	0.10828 (4)	0.0287 (2)
C1	0.13916 (8)	0.5172 (2)	0.15433 (5)	0.0253 (2)
C2	0.06474 (8)	0.6931 (2)	0.12756 (5)	0.0267 (2)
C3	0.03840 (8)	0.8714 (2)	0.16491 (5)	0.0248 (2)
C4	0.09069 (8)	0.8867 (2)	0.22471 (5)	0.0256 (2)
C5	0.17794 (7)	0.78327 (19)	0.23913 (5)	0.0223 (2)
C6	0.01980 (10)	0.6743 (3)	0.06960 (6)	0.0400 (3)
C7	-0.05331 (10)	0.8320 (3)	0.04839 (7)	0.0452 (4)
C8	-0.08060 (9)	1.0078 (3)	0.08517 (6)	0.0377 (3)
C9	-0.03530 (8)	1.0283 (2)	0.14297 (6)	0.0311 (3)
C10	0.26151 (8)	0.2645 (2)	0.13047 (5)	0.0255 (2)
C11	0.33939 (8)	0.4391 (2)	0.15364 (5)	0.0226 (2)
C12	0.31030 (7)	0.63101 (19)	0.18691 (4)	0.0199 (2)
C13	0.37697 (8)	0.8051 (2)	0.20842 (5)	0.0224 (2)
C14	0.47168 (8)	0.7882 (2)	0.19727 (5)	0.0265 (2)
C15	0.50018 (8)	0.6015 (2)	0.16393 (5)	0.0297 (3)
C16	0.43391 (8)	0.4283 (2)	0.14223 (5)	0.0277 (2)
C17	0.28193 (10)	0.1062 (2)	0.07995 (6)	0.0330 (3)
C18	0.23168 (7)	0.7978 (2)	0.29997 (5)	0.0227 (2)
C19	0.29163 (8)	0.6131 (2)	0.32340 (5)	0.0254 (2)
C20	0.33734 (8)	0.6221 (2)	0.38174 (5)	0.0287 (3)
C21	0.32416 (9)	0.8139 (2)	0.41854 (5)	0.0302 (3)
C22	0.26370 (9)	0.9975 (2)	0.39517 (5)	0.0305 (3)
C23	0.21894 (8)	0.9919 (2)	0.33688 (5)	0.0273 (2)
C24	0.37368 (13)	0.8251 (3)	0.48164 (6)	0.0459 (4)
H1	0.1097 (13)	0.393 (3)	0.1790 (8)	
H4	0.0619 (13)	0.974 (3)	0.2550 (8)	
H6	0.0394 (13)	0.549 (3)	0.0448 (8)	
H7	-0.0833 (13)	0.818 (3)	0.0061 (8)	
H8	-0.1331 (13)	1.119 (3)	0.0707 (8)	
H9	-0.0539 (13)	1.156 (3)	0.1688 (8)	
H10	0.2425 (13)	0.164 (3)	0.1645 (8)	
H13	0.3577 (13)	0.940 (3)	0.2305 (8)	
H14	0.5178 (13)	0.908 (3)	0.2127 (8)	
H15	0.5656 (13)	0.590 (3)	0.1560 (8)	
H16	0.4533 (13)	0.294 (3)	0.1181 (8)	
H17A	0.2955 (13)	0.203 (3)	0.0457 (8)	
H17B	0.3384 (13)	0.002 (4)	0.0925 (8)	
H17C	0.2260 (13)	0.006 (3)	0.0674 (8)	
H19	0.3017 (13)	0.472 (4)	0.2980 (8)	
H20	0.3798 (13)	0.488 (3)	0.3969 (8)	
H22	0.2542 (13)	1.134 (3)	0.4198 (8)	
H23	0.1784 (13)	1.127 (3)	0.3219 (8)	
H24A	0.4124 (13)	0.969 (4)	0.4892 (8)	
H24B	0.4144 (14)	0.694 (4)	0.4905 (8)	
H24C	0.3257 (13)	0.835 (3)	0.5094 (8)	

Table 3S. Geometric parameters (Å, °) for **3e**.

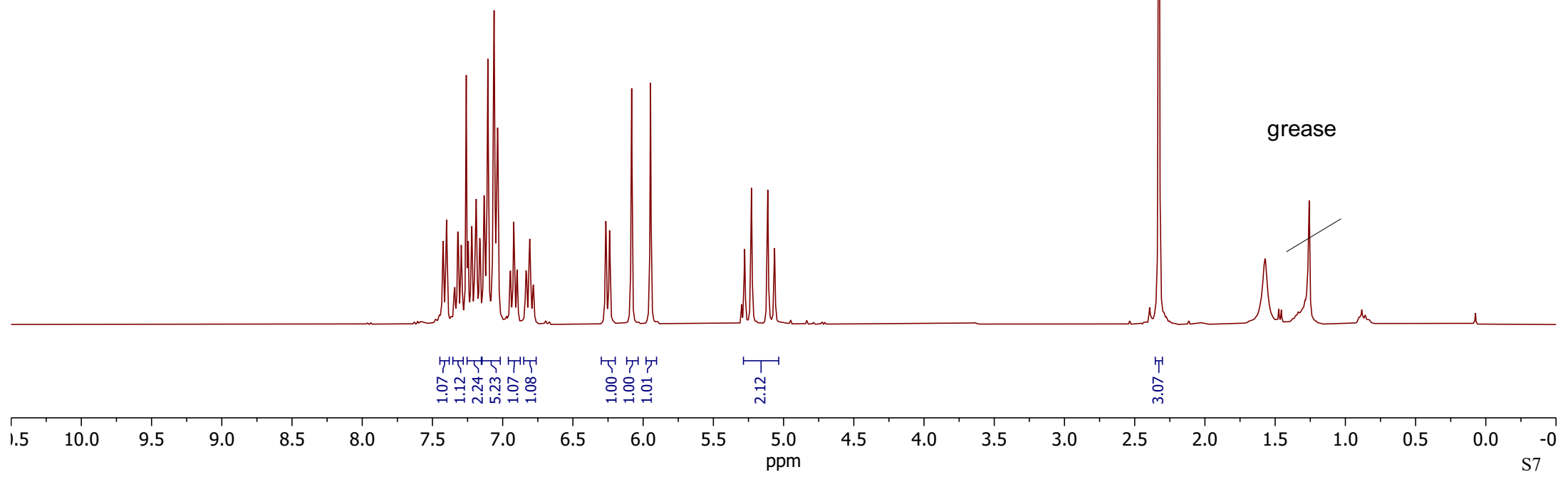
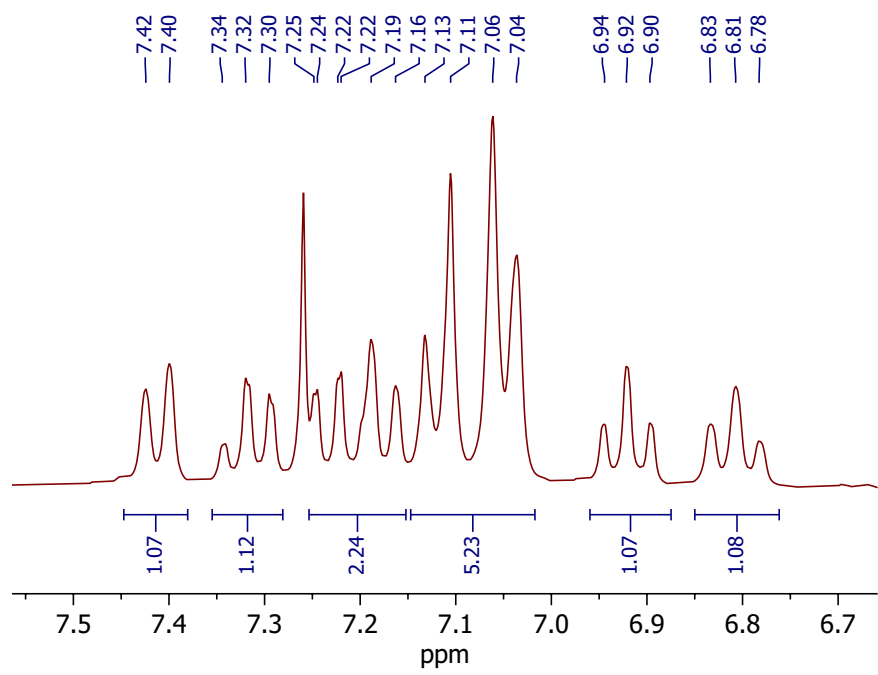
<i>Bond lengths</i>			
N1—C12	1.4051 (13)	C10—C11	1.5097 (16)
N1—C5	1.4080 (14)	C10—C17	1.5112 (16)
N1—C1	1.4867 (14)	C11—C16	1.3891 (15)
O1—C1	1.3948 (14)	C11—C12	1.4103 (15)
O1—C10	1.4463 (13)	C12—C13	1.3960 (15)
C1—C2	1.5054 (15)	C13—C14	1.3916 (15)
C2—C6	1.3843 (17)	C14—C15	1.3857 (17)
C2—C3	1.3961 (16)	C15—C16	1.3901 (18)
C3—C9	1.3992 (16)	C18—C19	1.3956 (16)
C3—C4	1.4558 (16)	C18—C23	1.4032 (16)
C4—C5	1.3555 (15)	C19—C20	1.3925 (16)
C5—C18	1.4838 (15)	C20—C21	1.3923 (18)
C6—C7	1.3921 (19)	C21—C22	1.3947 (19)
C7—C8	1.382 (2)	C21—C24	1.5068 (18)
C8—C9	1.3835 (18)	C22—C23	1.3864 (17)
<i>Bond angles</i>			
C12—N1—C5	124.65 (9)	C7—C8—C9—C3	-0.1 (2)
C12—N1—C1	119.63 (9)	C2—C3—C9—C8	-0.47 (18)
C5—N1—C1	114.97 (8)	C4—C3—C9—C8	178.37 (12)
C1—O1—C10	111.64 (8)	C1—O1—C10—C11	-70.15 (11)
O1—C1—N1	111.71 (9)	C1—O1—C10—C17	165.35 (10)
O1—C1—C2	108.29 (9)	O1—C10—C11—C16	-133.98 (11)
N1—C1—C2	110.48 (9)	C13—C12—C11	119.63 (10)
C6—C2—C3	120.60 (11)	N1—C12—C11	117.64 (9)
C6—C2—C1	122.34 (11)	C14—C13—C12	120.05 (10)
C3—C2—C1	116.96 (10)	C15—C14—C13	120.46 (11)
C2—C3—C9	118.76 (11)	C14—C15—C16	119.66 (10)
C2—C3—C4	117.91 (10)	C11—C16—C15	120.94 (11)
C9—C3—C4	123.32 (11)	C19—C18—C23	118.09 (10)
C5—C4—C3	121.59 (10)	C19—C18—C5	121.18 (10)
C4—C5—N1	118.66 (10)	C23—C18—C5	120.63 (10)
C4—C5—C18	121.94 (10)	C20—C19—C18	120.74 (11)
N1—C5—C18	119.08 (9)	C21—C20—C19	121.21 (11)
C2—C6—C7	119.95 (13)	C20—C21—C22	117.96 (11)
C8—C7—C6	119.93 (13)	C20—C21—C24	121.47 (13)
C7—C8—C9	120.27 (12)	C22—C21—C24	120.57 (13)
C8—C9—C3	120.48 (12)	C23—C22—C21	121.31 (11)
O1—C10—C11	105.64 (9)	C22—C23—C18	120.68 (11)
O1—C10—C17	106.86 (9)	C17—C10—C11—C16	-15.64 (16)
C11—C10—C17	116.34 (10)	O1—C10—C11—C12	43.00 (12)
C16—C11—C12	119.24 (10)	C17—C10—C11—C12	161.34 (10)
C16—C11—C10	124.90 (10)	C5—N1—C12—C13	-15.18 (16)
C12—C11—C10	115.79 (9)	C1—N1—C12—C13	154.39 (10)
C13—C12—N1	122.73 (9)	C5—N1—C12—C11	165.12 (10)
C10—O1—C1—N1	48.75 (13)	C1—N1—C12—C11	-25.30 (14)
C10—O1—C1—C2	170.64 (9)	C16—C11—C12—C13	-0.77 (15)
C12—N1—C1—O1	0.09 (14)	C10—C11—C12—C13	-177.94 (9)
C5—N1—C1—O1	170.64 (9)	C16—C11—C12—N1	178.94 (10)
C12—N1—C1—C2	-120.53 (11)	C10—C11—C12—N1	1.77 (14)
C5—N1—C1—C2	50.02 (13)	N1—C12—C13—C14	179.97 (10)
O1—C1—C2—C6	22.92 (16)	C11—C12—C13—C14	-0.34 (16)
N1—C1—C2—C6	145.56 (12)	C12—C13—C14—C15	1.20 (17)
O1—C1—C2—C3	-160.56 (10)	C13—C14—C15—C16	-0.93 (17)
N1—C1—C2—C3	-37.92 (14)	C12—C11—C16—C15	1.05 (17)
C6—C2—C3—C9	1.00 (18)	C10—C11—C16—C15	177.93 (11)
C1—C2—C3—C9	-175.58 (10)	C14—C15—C16—C11	-0.20 (18)
C6—C2—C3—C4	-177.90 (12)	C4—C5—C18—C19	148.00 (11)

C1—C2—C3—C4	5.51 (15)	N1—C5—C18—C19	-25.38 (15)
C2—C3—C4—C5	18.77 (17)	C4—C5—C18—C23	-28.10 (16)
C9—C3—C4—C5	-160.08 (12)	N1—C5—C18—C23	158.51 (10)
C3—C4—C5—N1	-6.52 (17)	C23—C18—C19—C20	0.00 (16)
C3—C4—C5—C18	-179.93 (10)	C5—C18—C19—C20	-176.20 (10)
C12—N1—C5—C4	141.11 (11)	C18—C19—C20—C21	0.50 (17)
C1—N1—C5—C4	-28.90 (15)	C19—C20—C21—C22	-0.06 (17)
C12—N1—C5—C18	-45.29 (15)	C19—C20—C21—C24	-179.79 (12)
C1—N1—C5—C18	144.70 (10)	C20—C21—C22—C23	-0.89 (17)
C3—C2—C6—C7	-0.9 (2)	C24—C21—C22—C23	178.84 (12)
C1—C2—C6—C7	175.47 (13)	C21—C22—C23—C18	1.41 (17)
C2—C6—C7—C8	0.3 (2)	C19—C18—C23—C22	-0.93 (16)
C6—C7—C8—C9	0.2 (2)	C5—C18—C23—C22	175.28 (10)

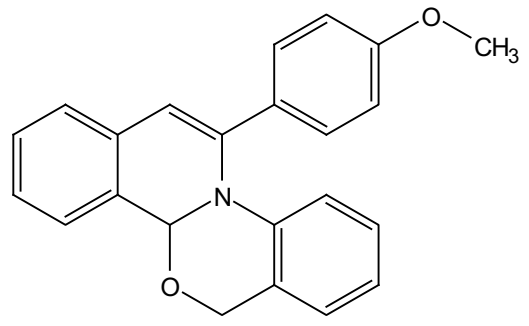


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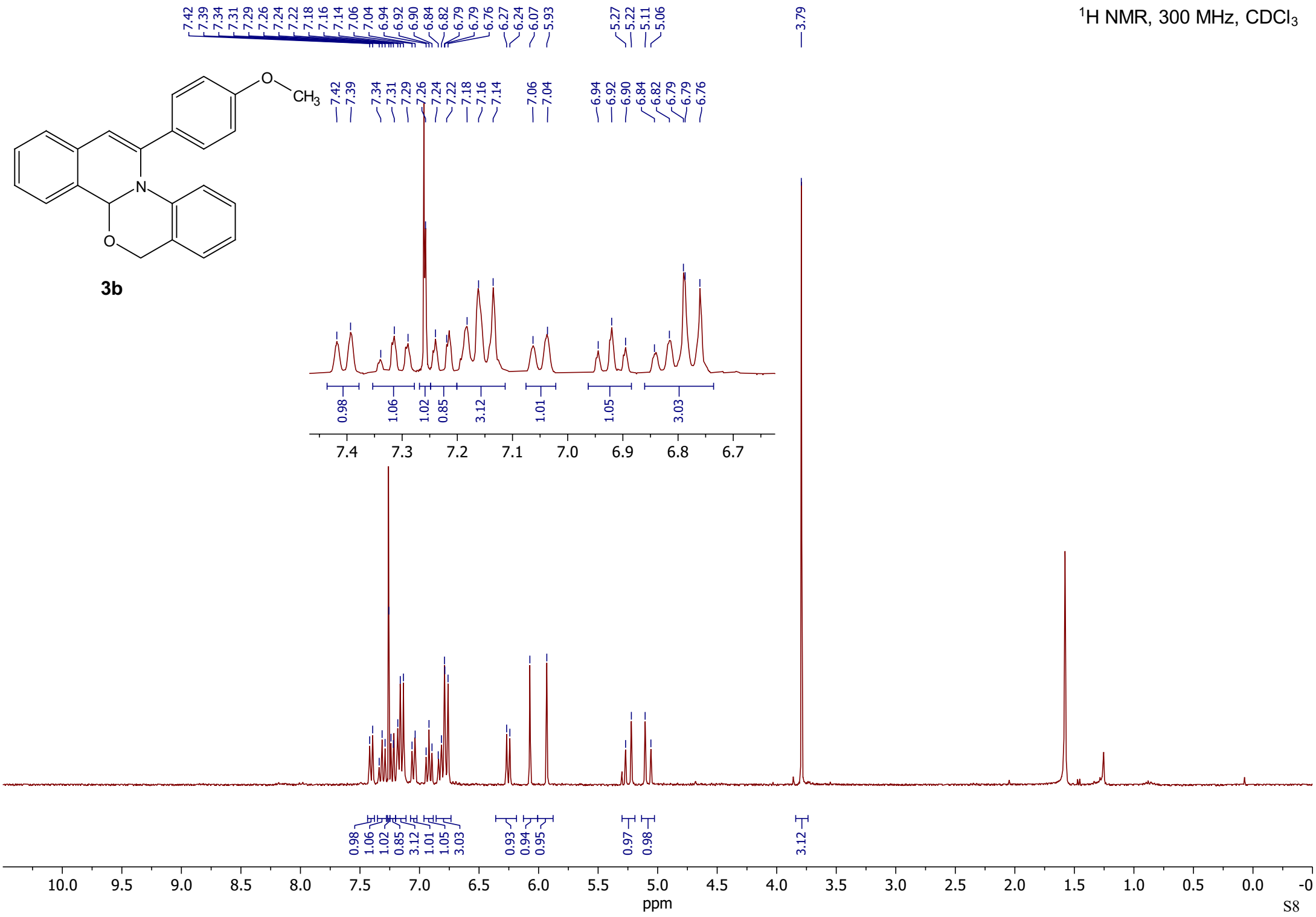
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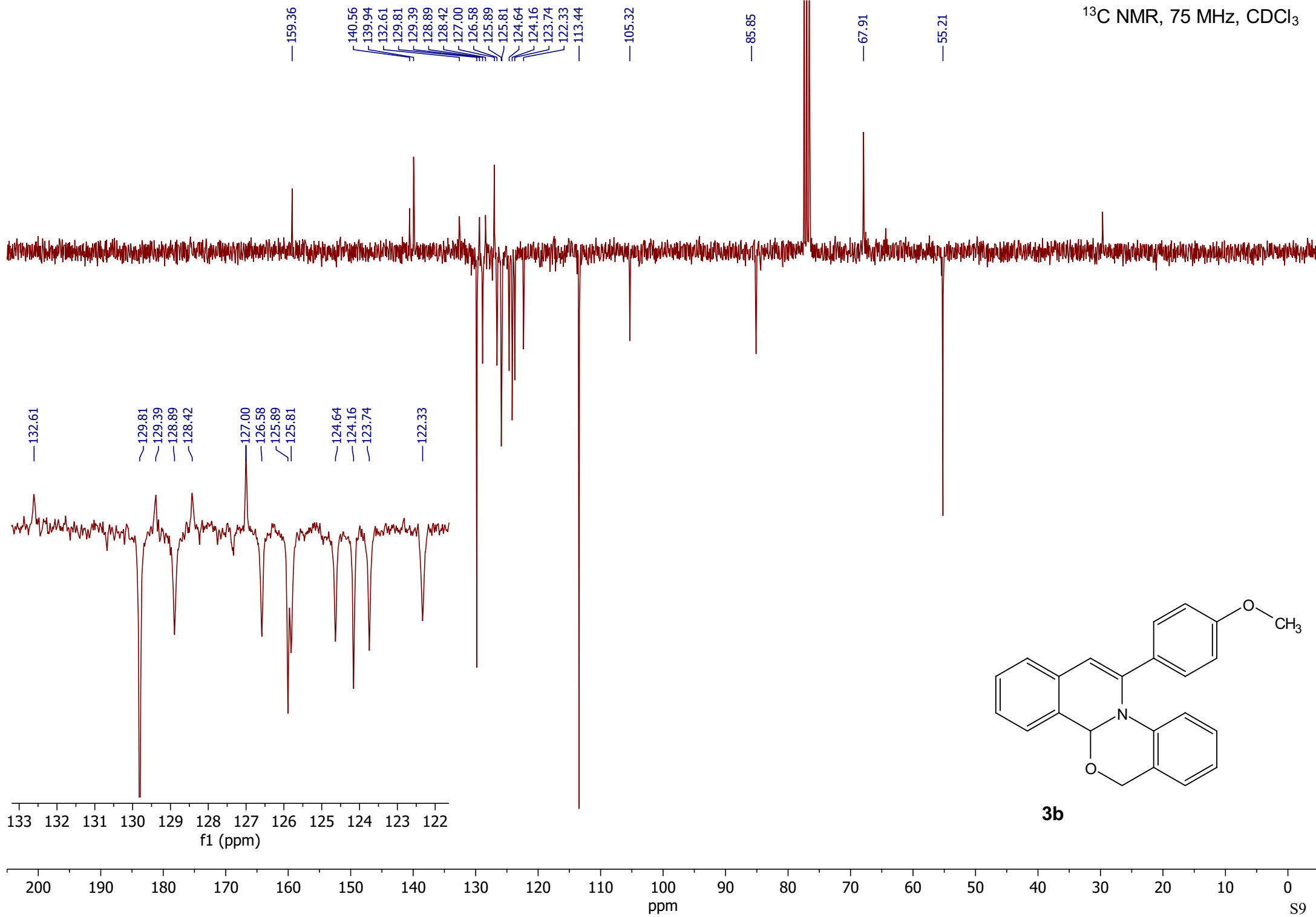


¹H NMR, 300 MHz, CDCl₃

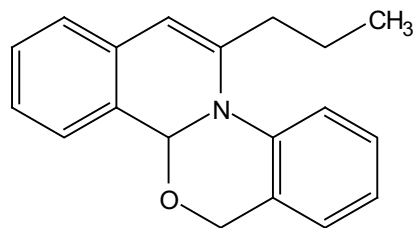


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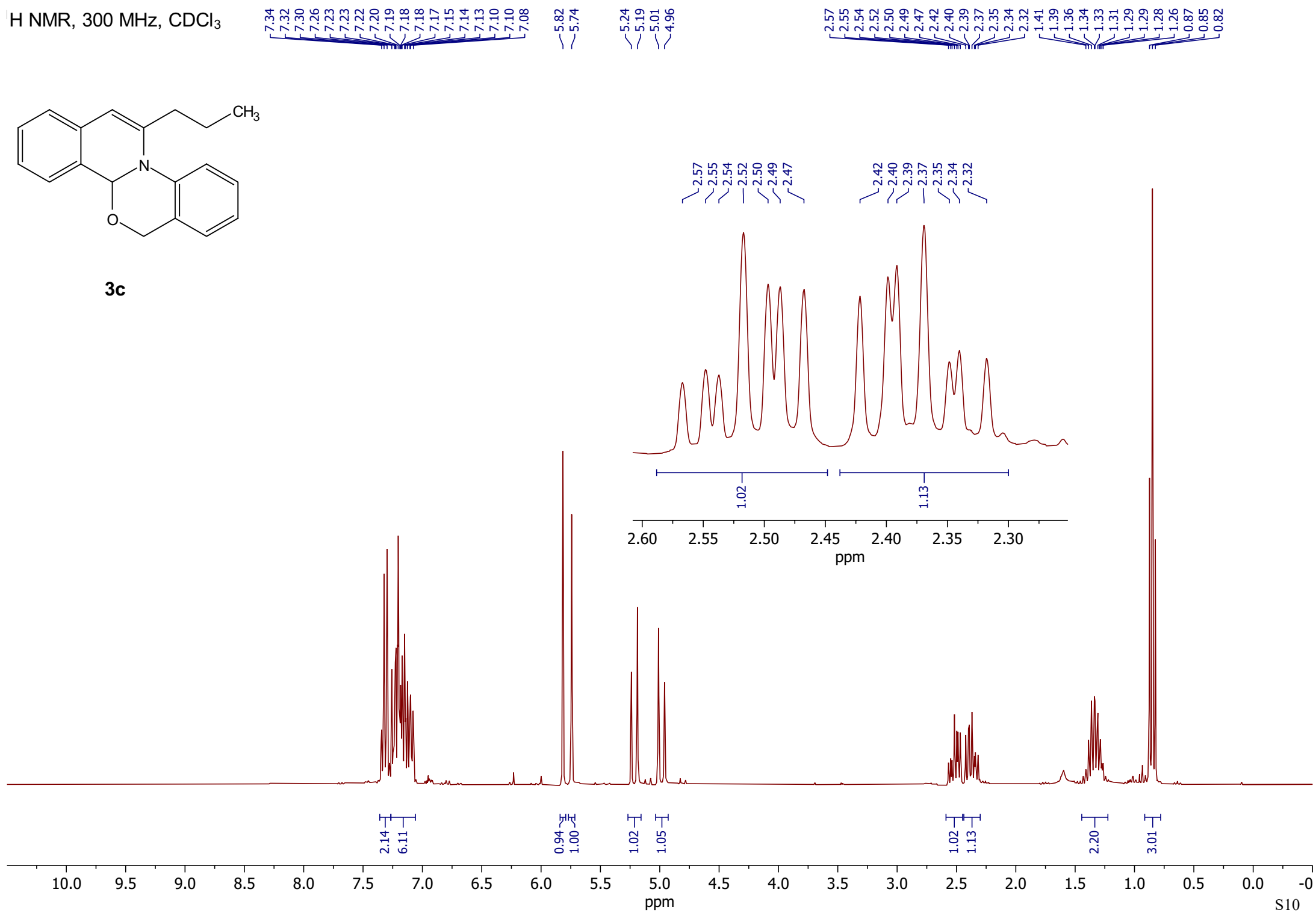


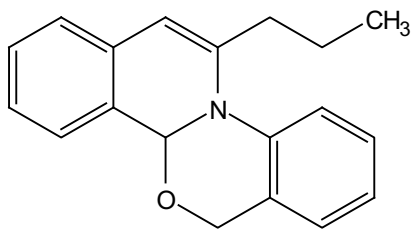


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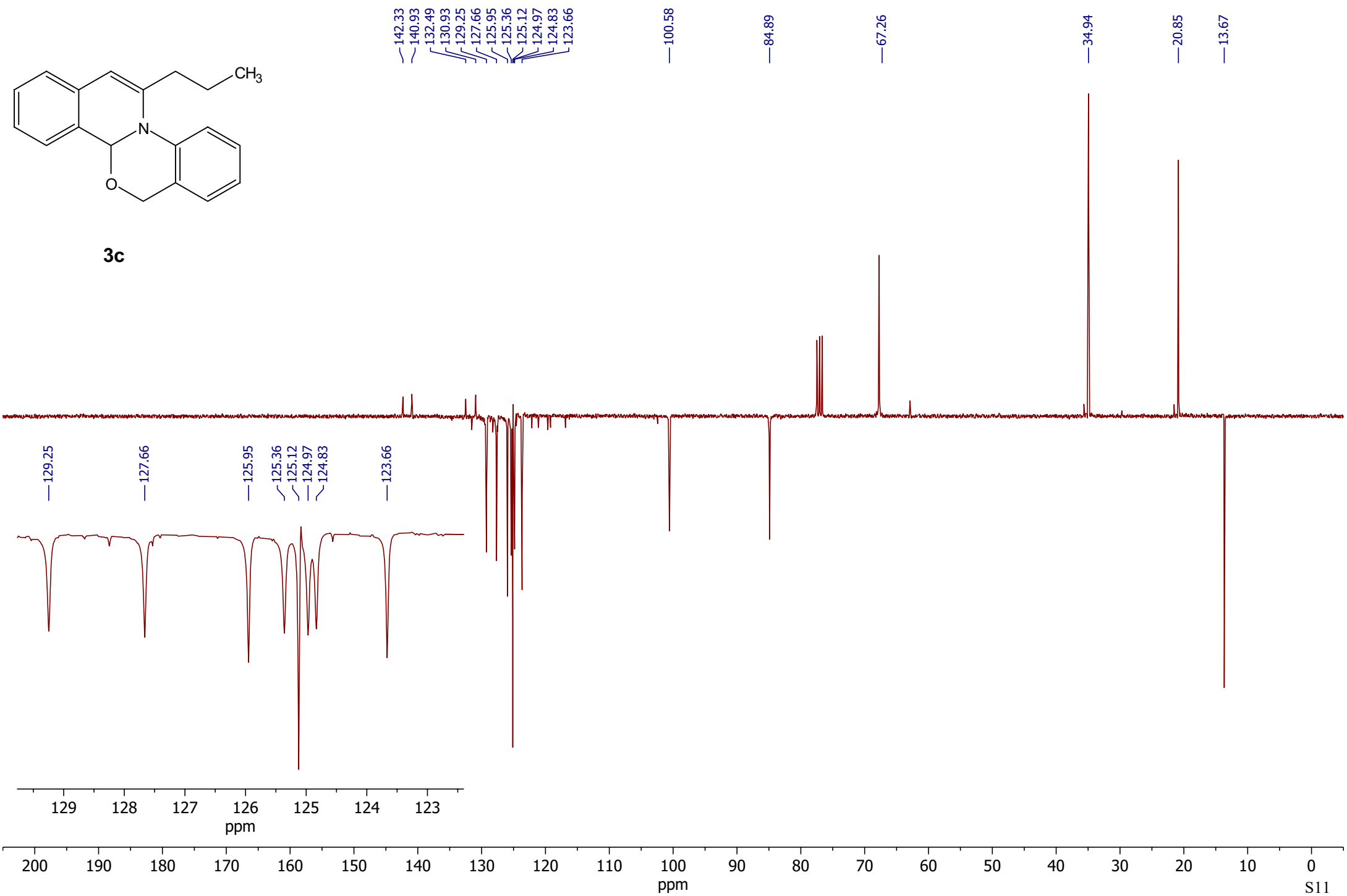


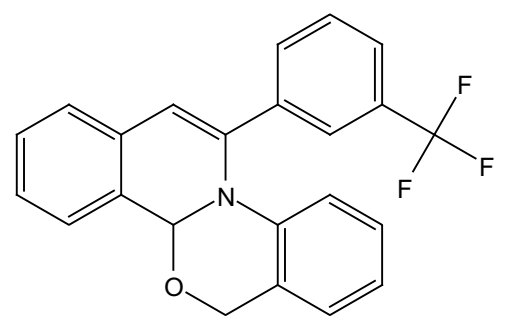
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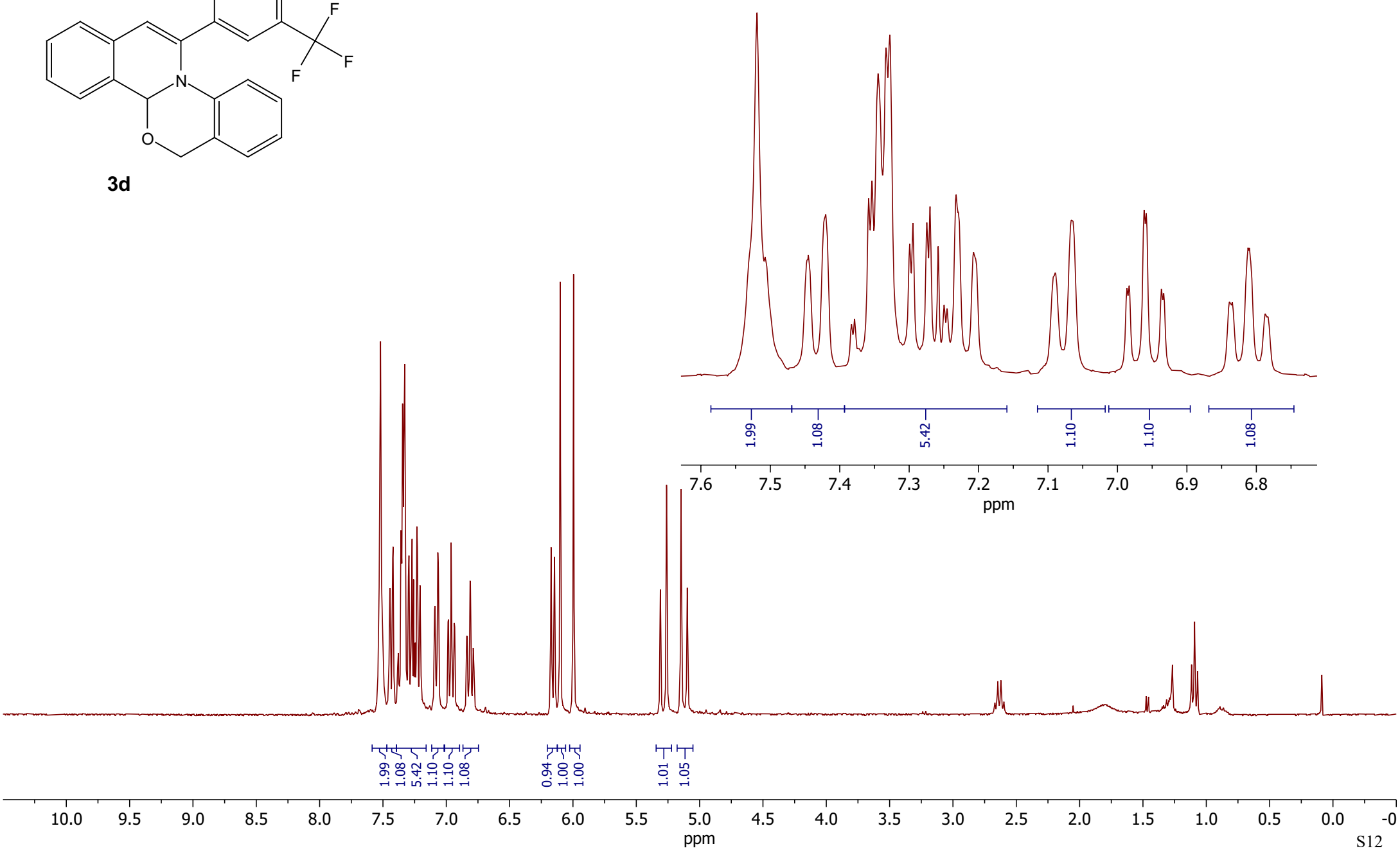


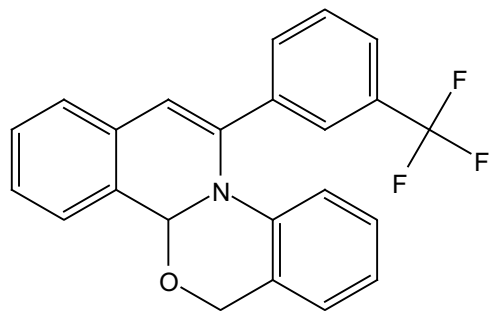
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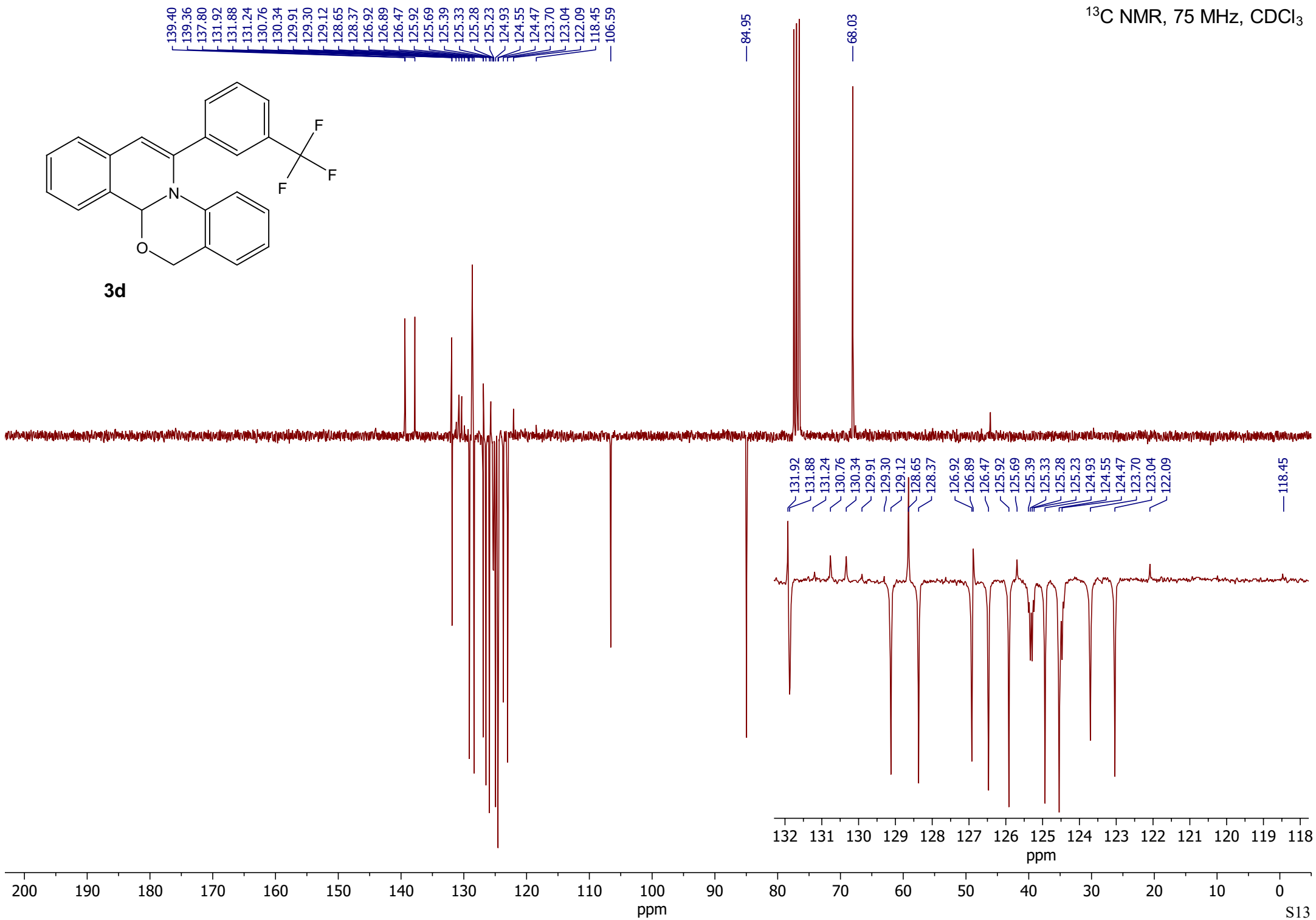
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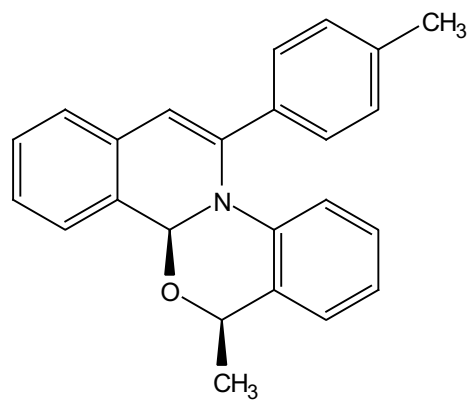




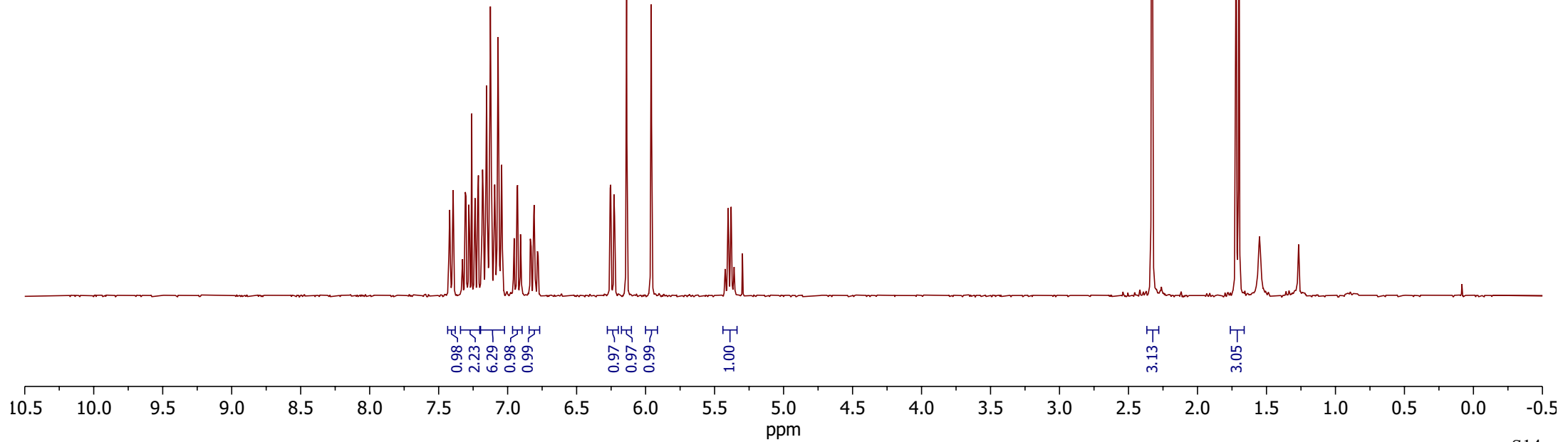
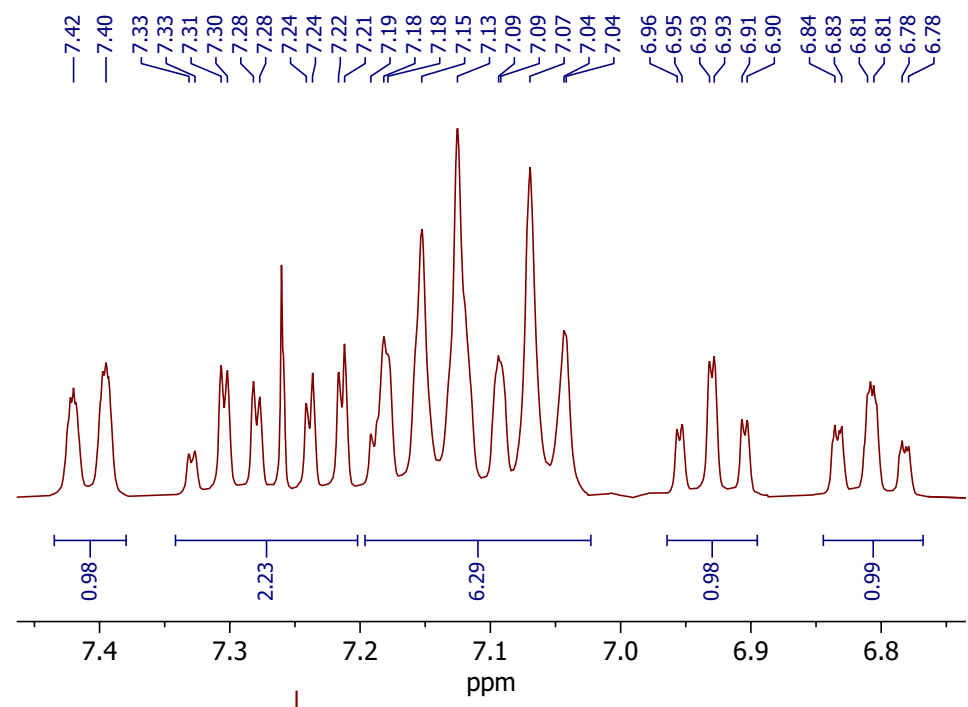
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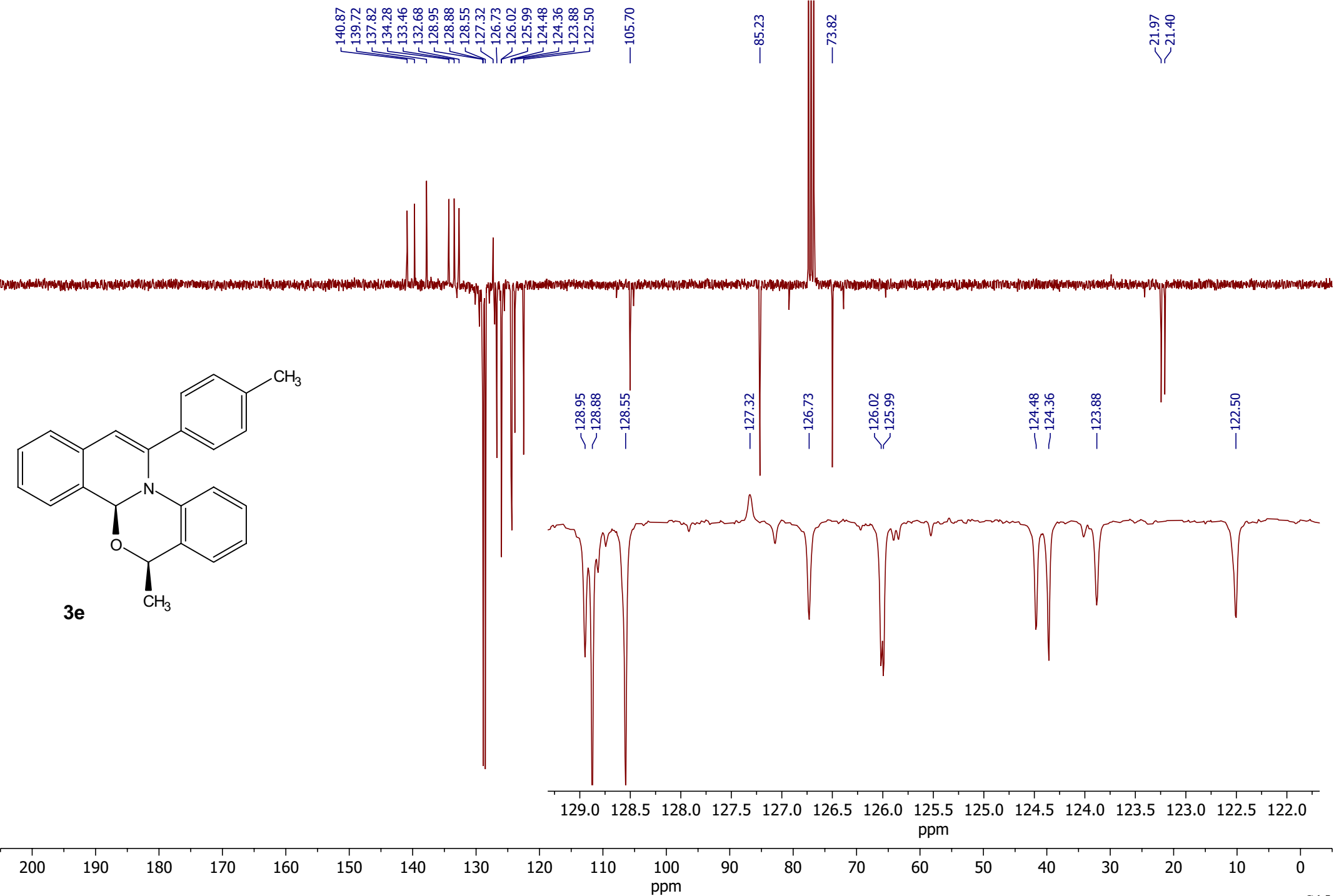


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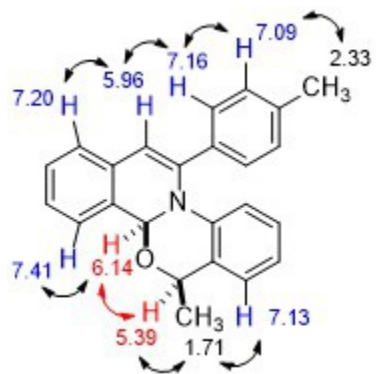


3e

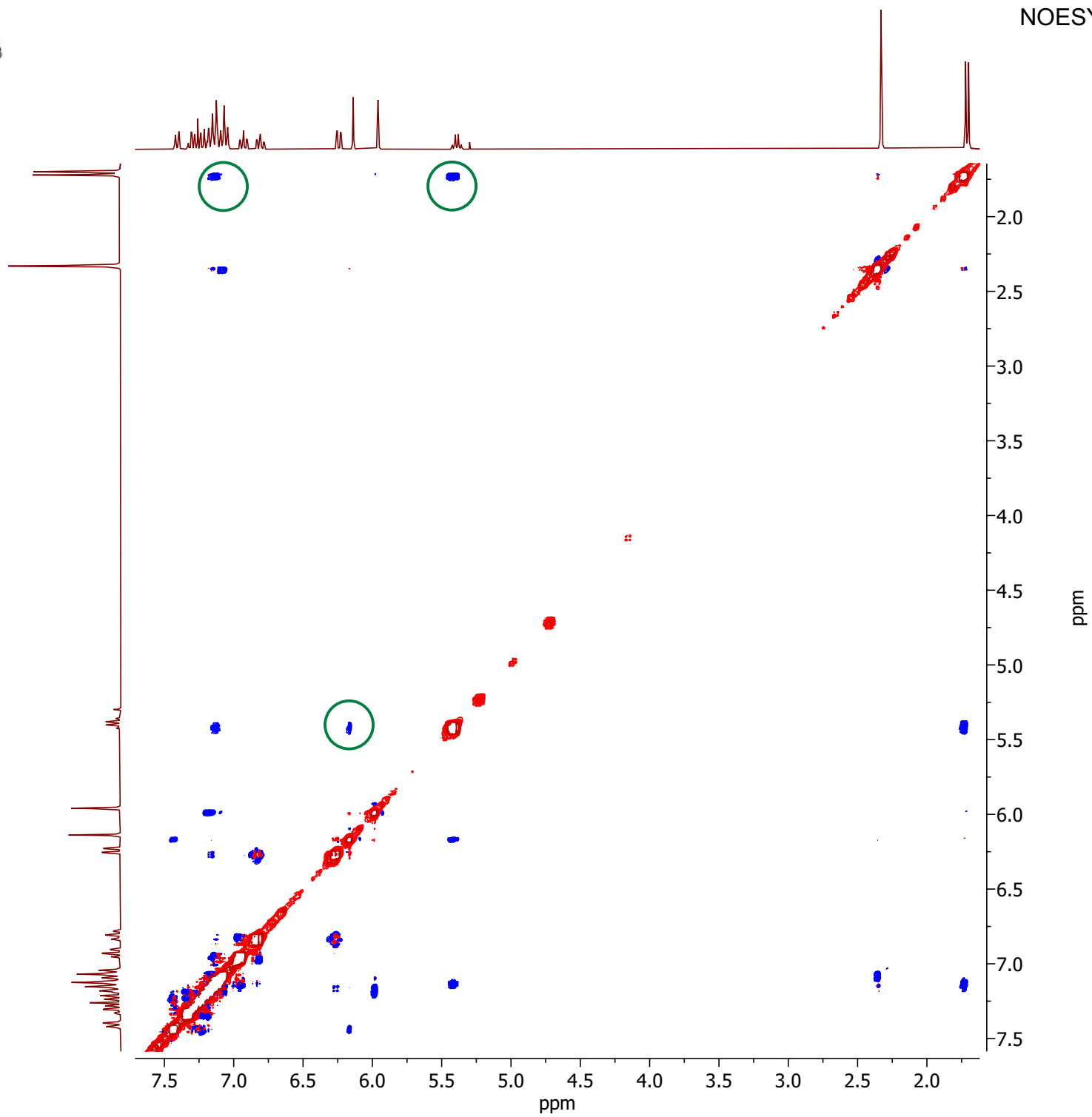




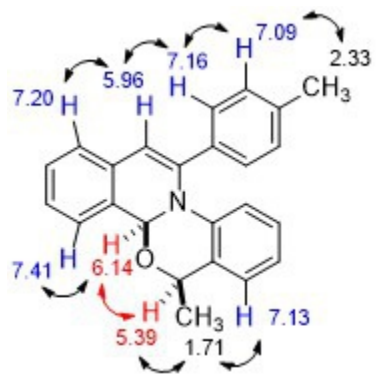
NOESY, 300 MHz, CDCl₃
tmix = 1s



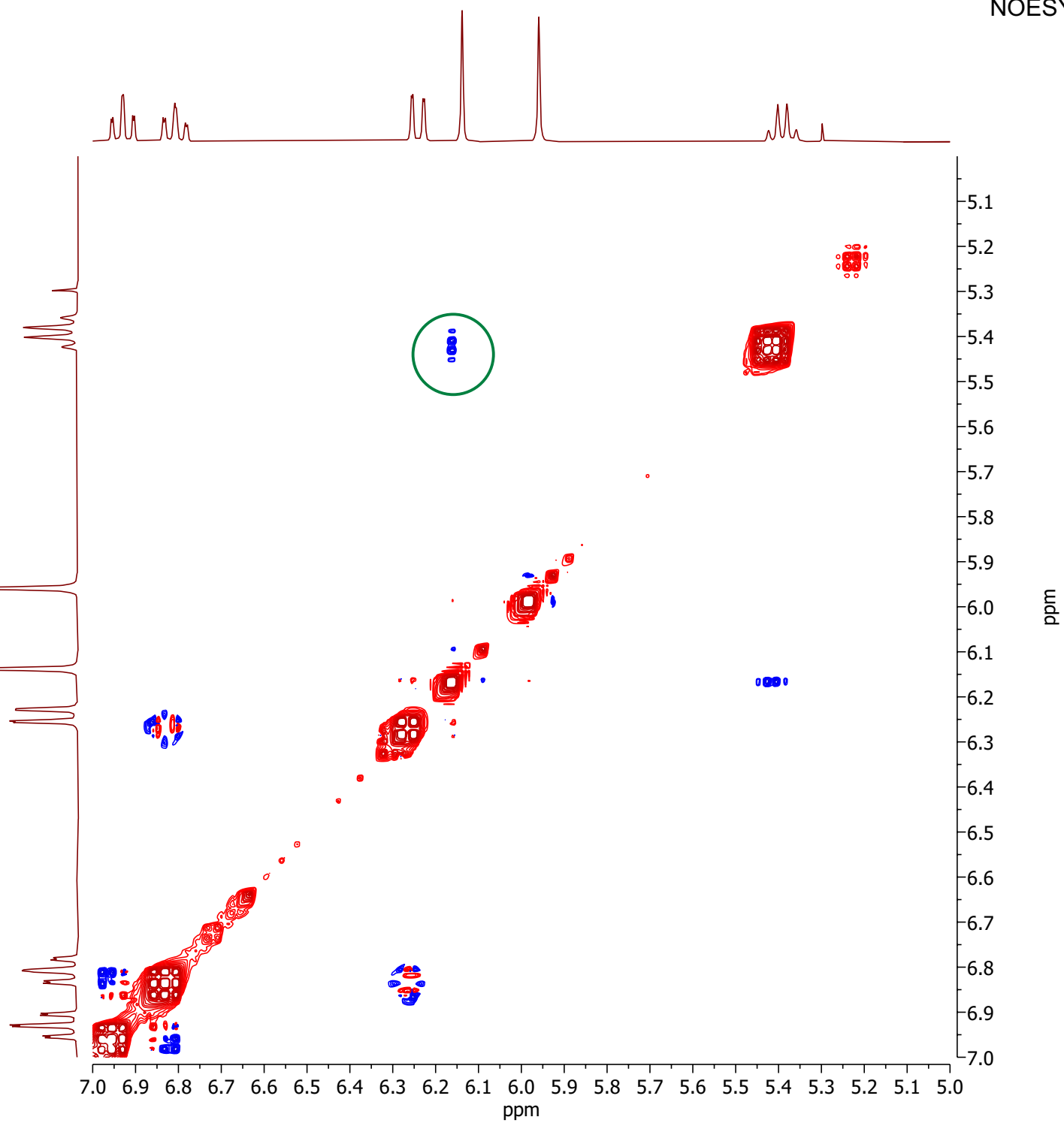
3e



NOESY, 300 MHz, CDCl₃
tmix = 1s

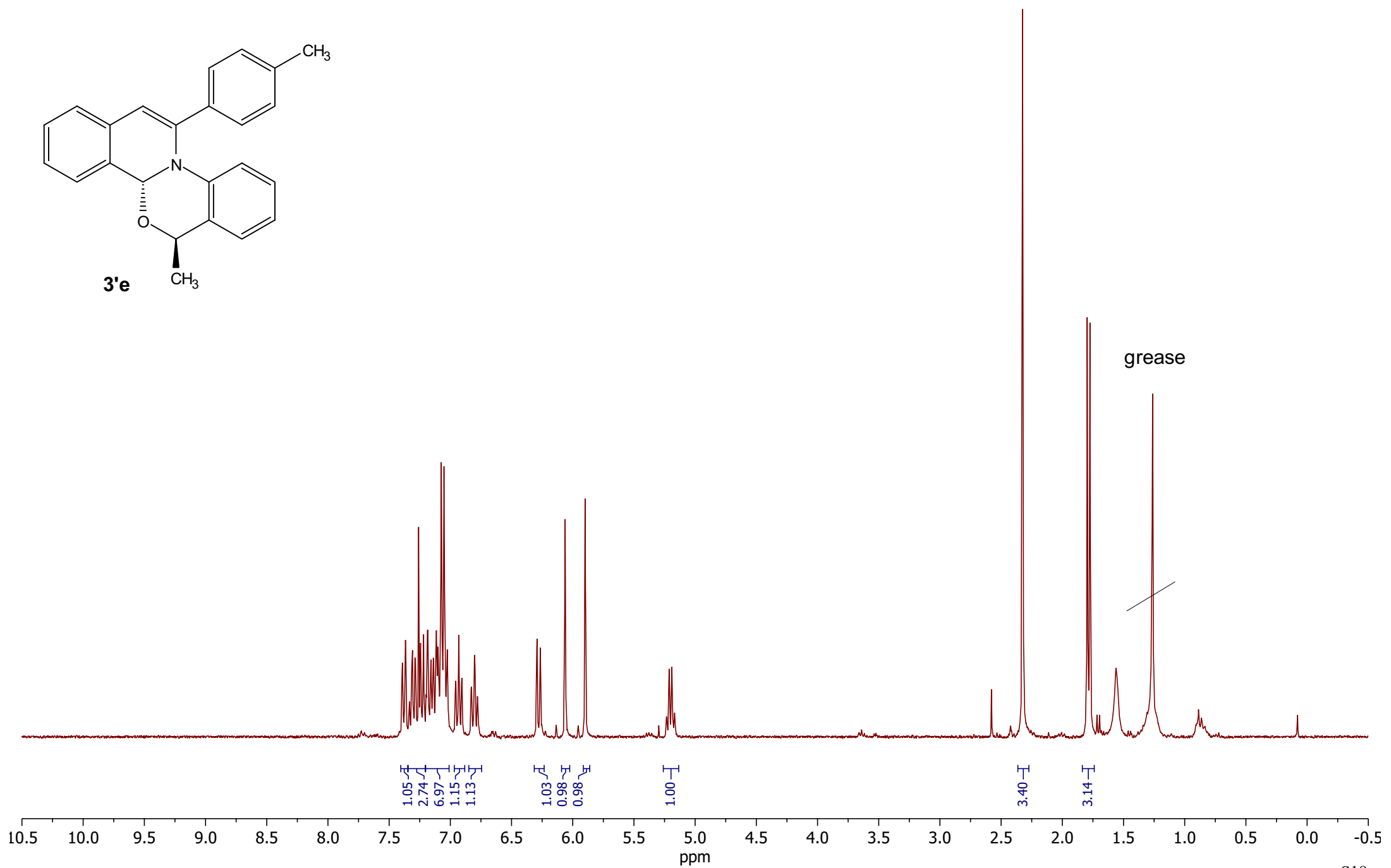
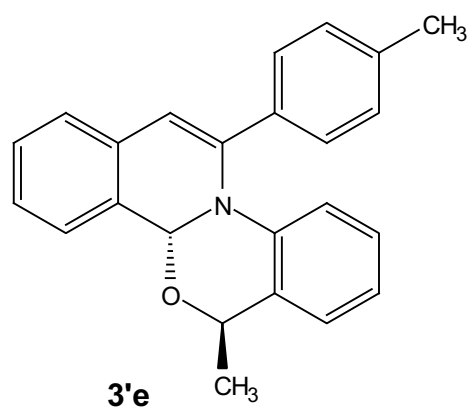


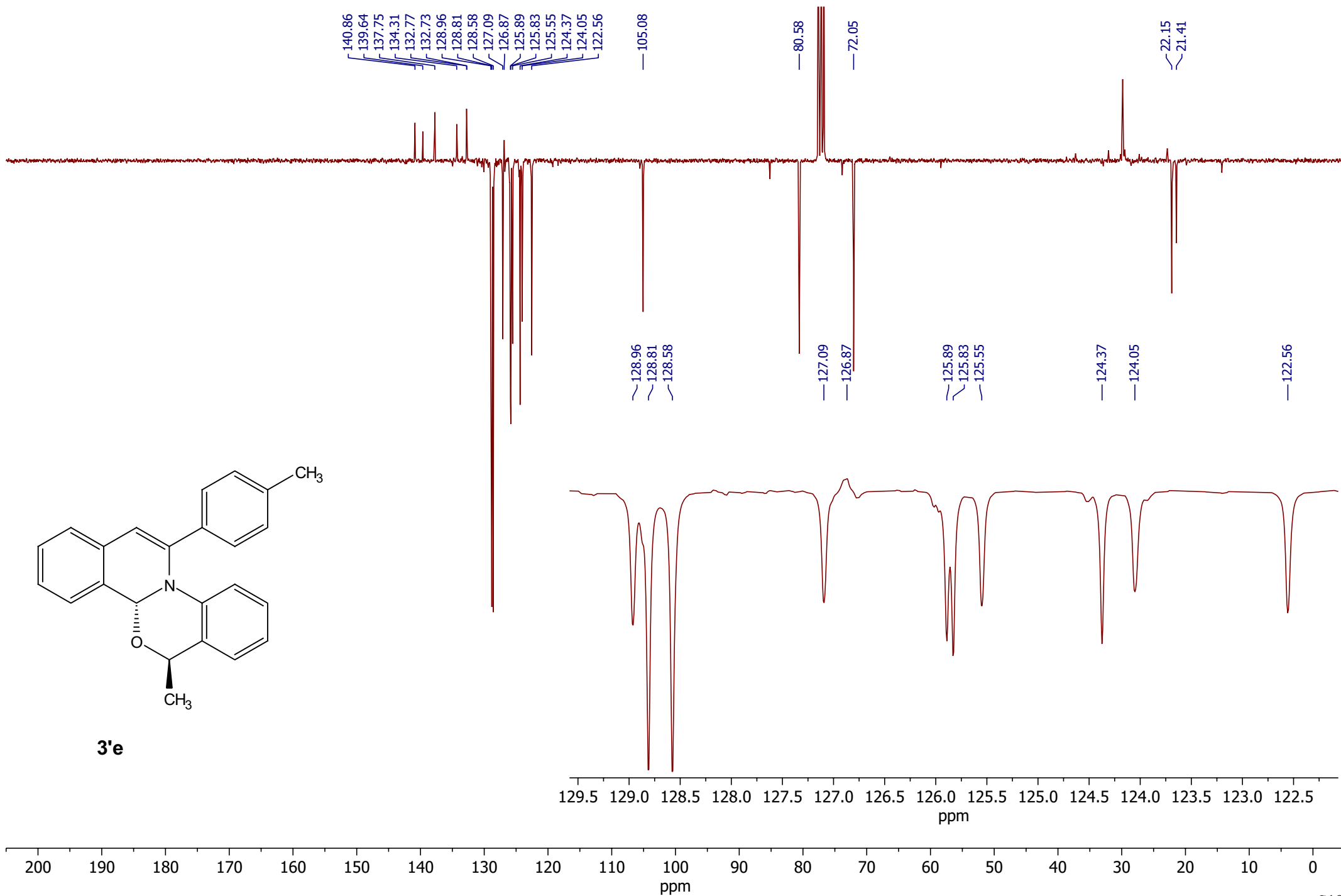
3e



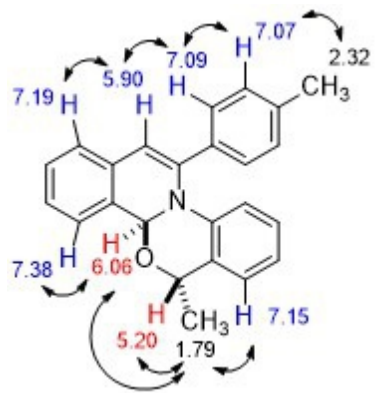
7.39
7.37
7.31
7.31
7.29
7.28
7.25
7.24
7.22
7.22
7.20
7.19
7.18
7.16
7.16
7.14
7.11
7.11
7.10
7.07
7.05
7.02
6.96
6.96
6.93
6.93
6.91
6.91
6.83
6.83
6.80
6.80
6.27
6.27
6.06
6.06
5.90

5.23
5.21
5.19
5.17

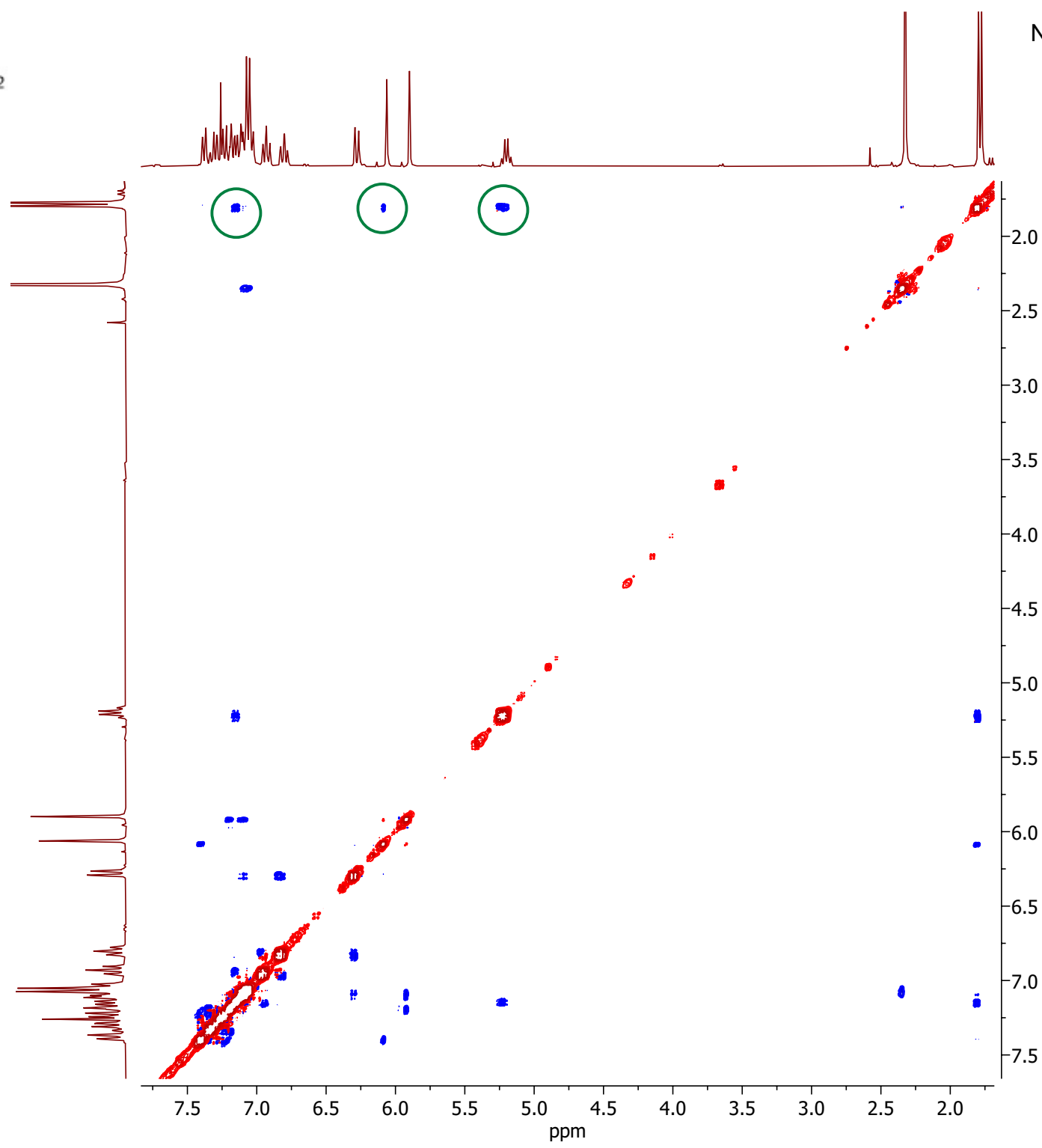




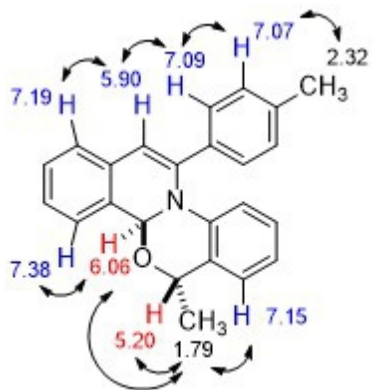
NOESY, 300 MHz, CDCl₃
tmix = 1s



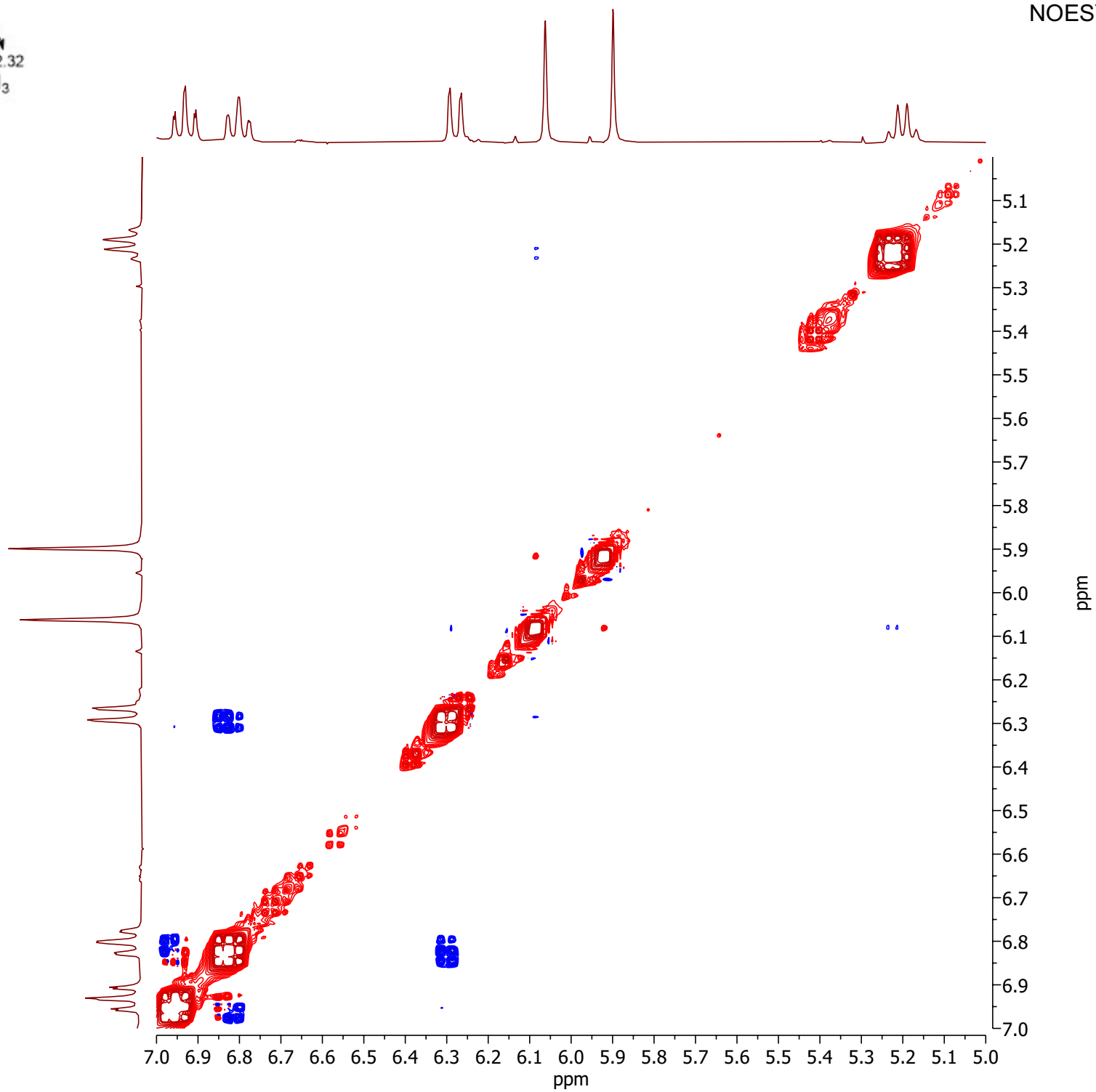
3'e

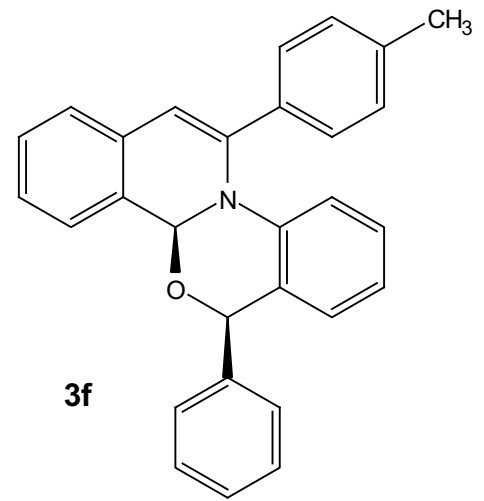


NOESY, 300 MHz, CDCl₃
tmix = 1s

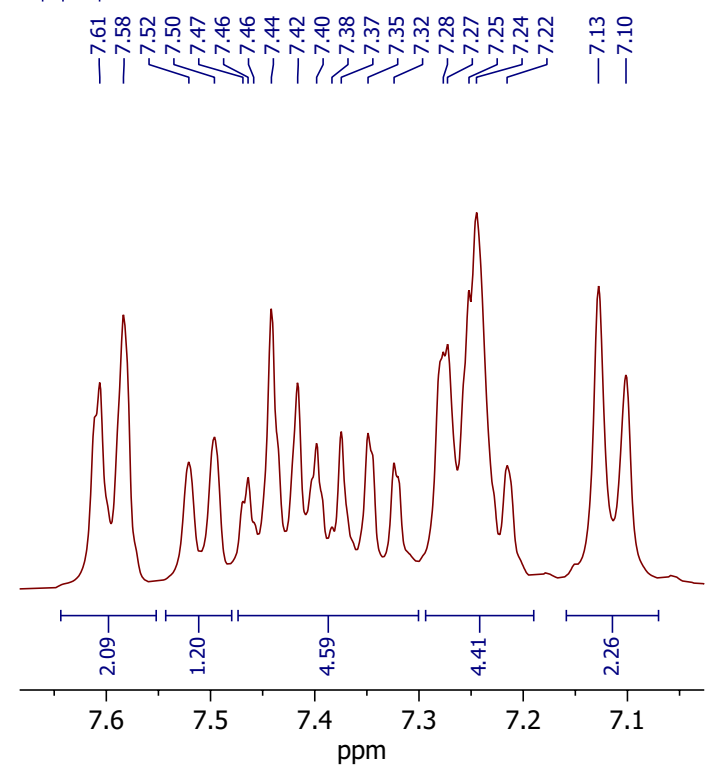


3'e

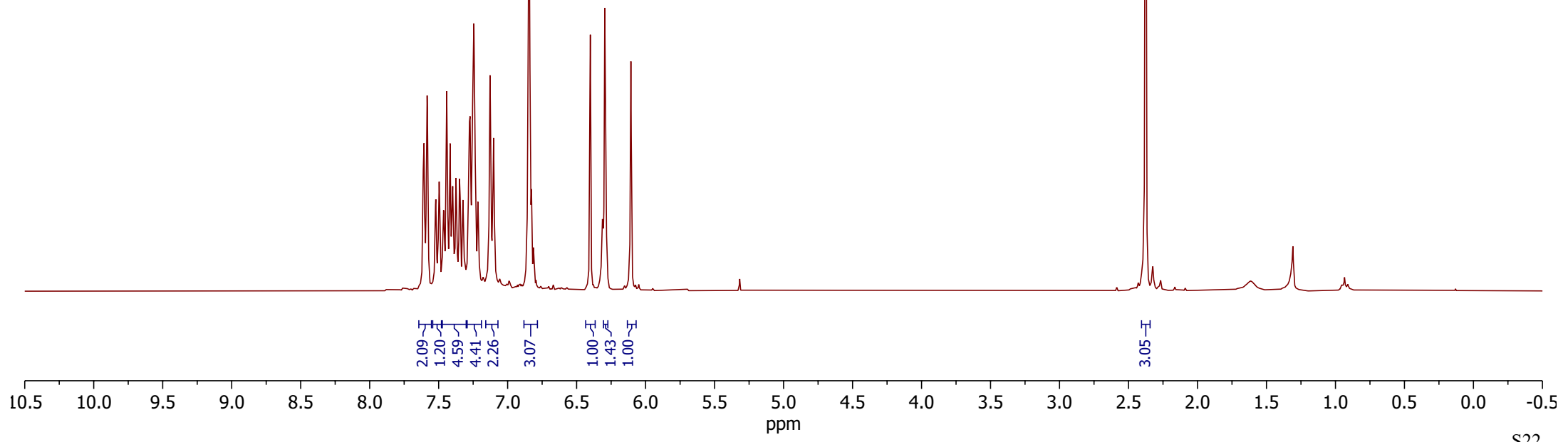


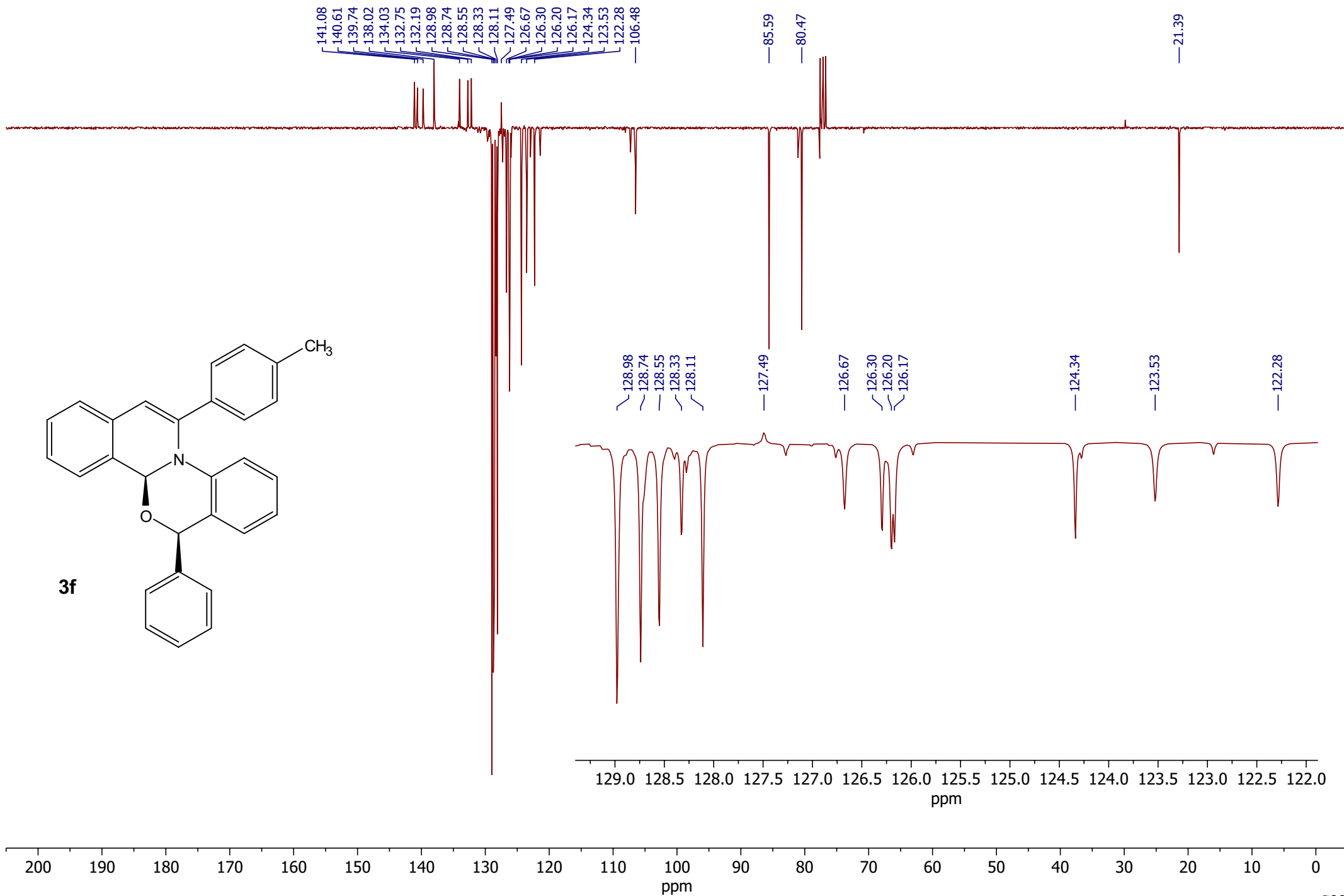


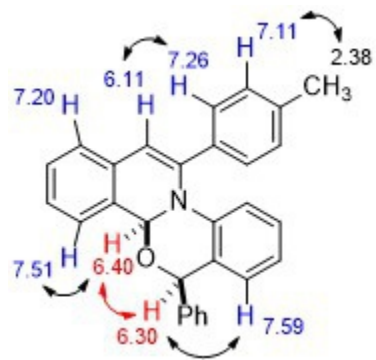
7.61
7.58
7.52
7.50
7.47
7.46
7.46
7.44
7.42
7.40
7.38
7.37
7.35
7.32
7.28
7.27
7.25
7.24
7.22
7.13
7.10
6.85
6.83
6.40
6.30
6.11



2.38

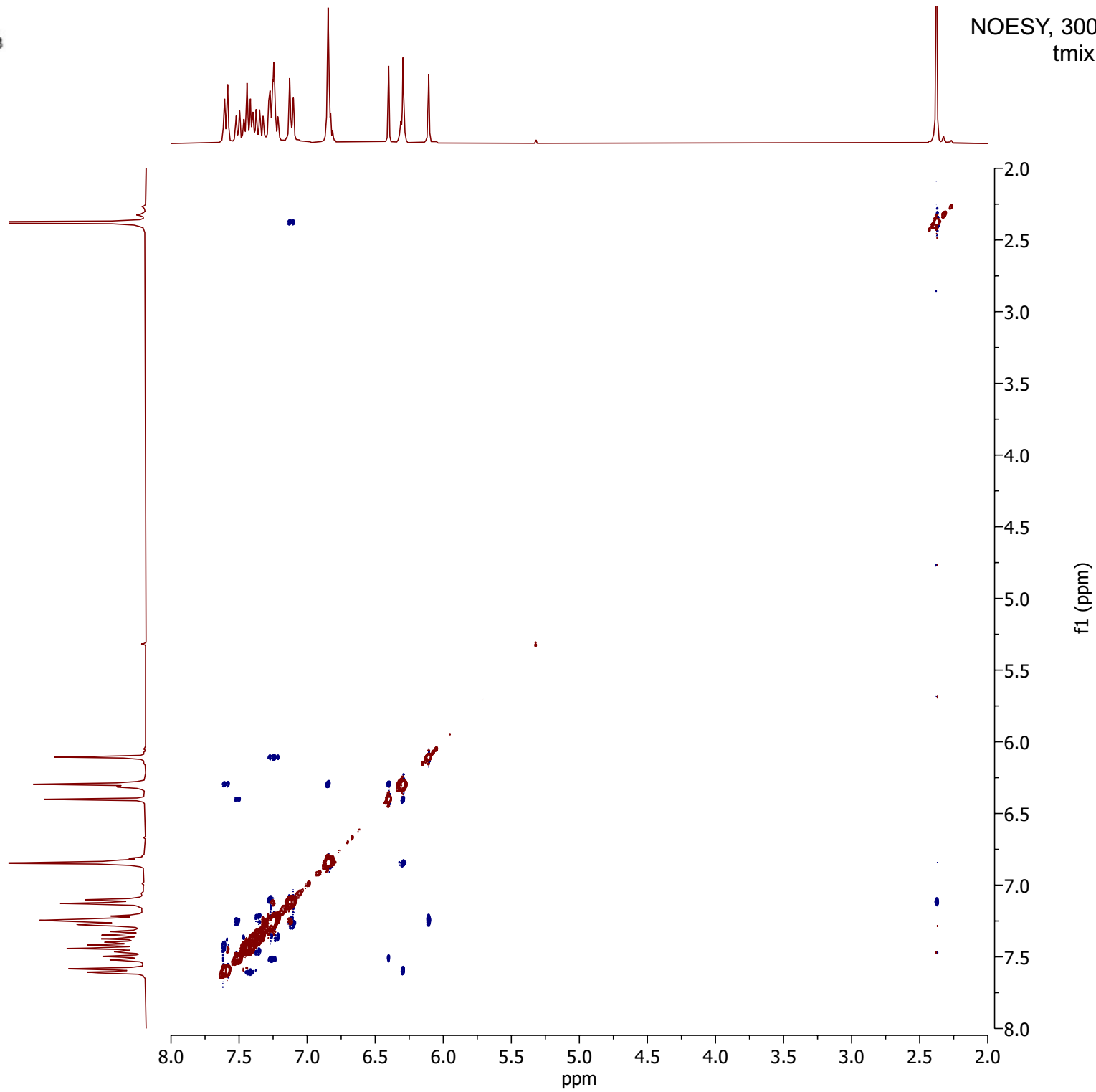


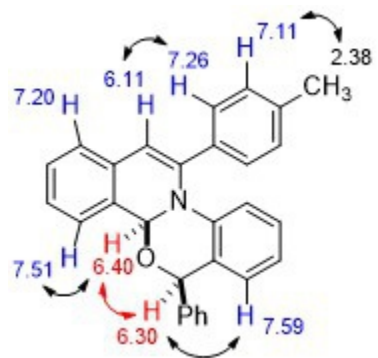




3f

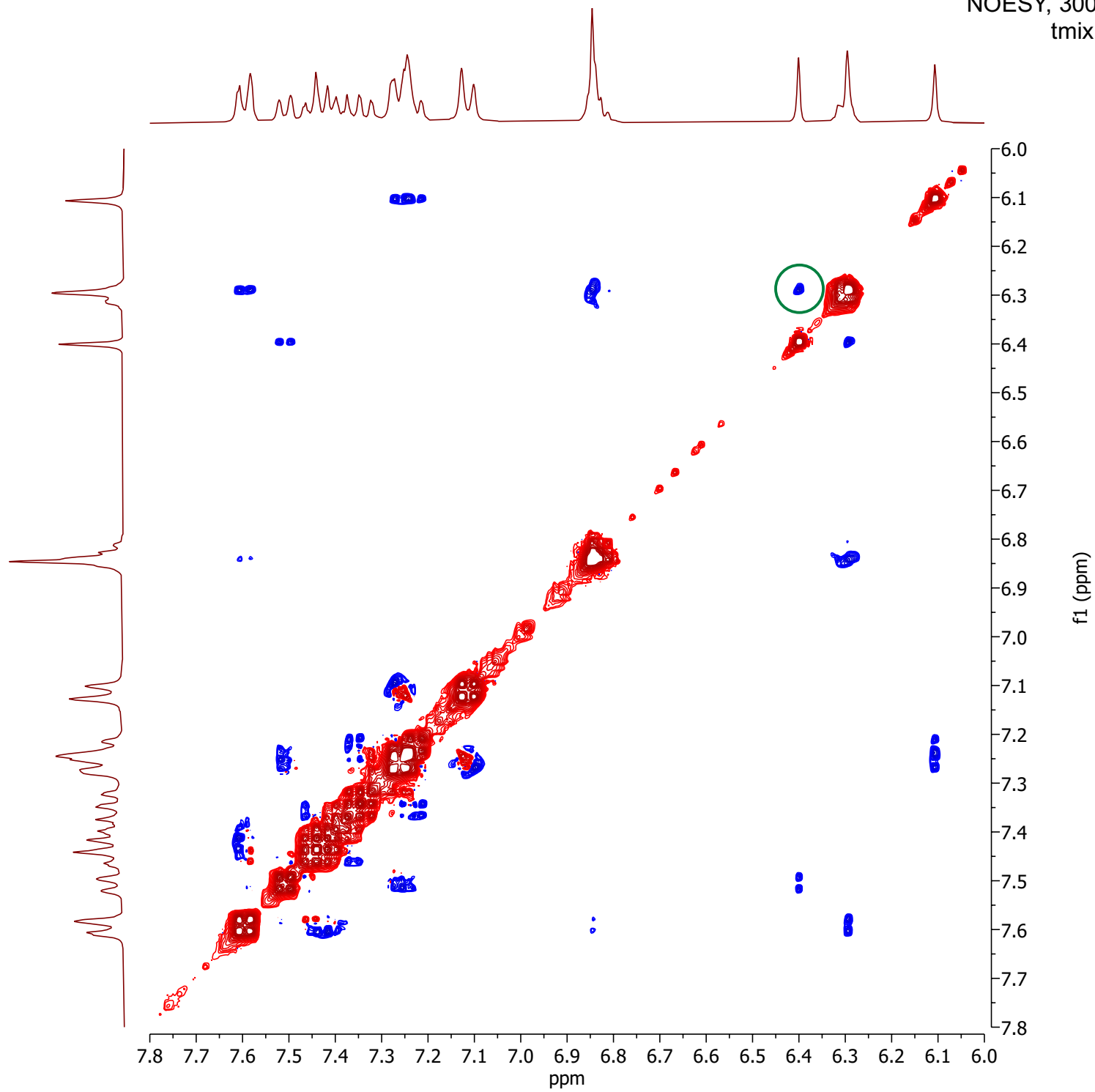
NOESY, 300 MHz, CDCl₃
tmix = 1s



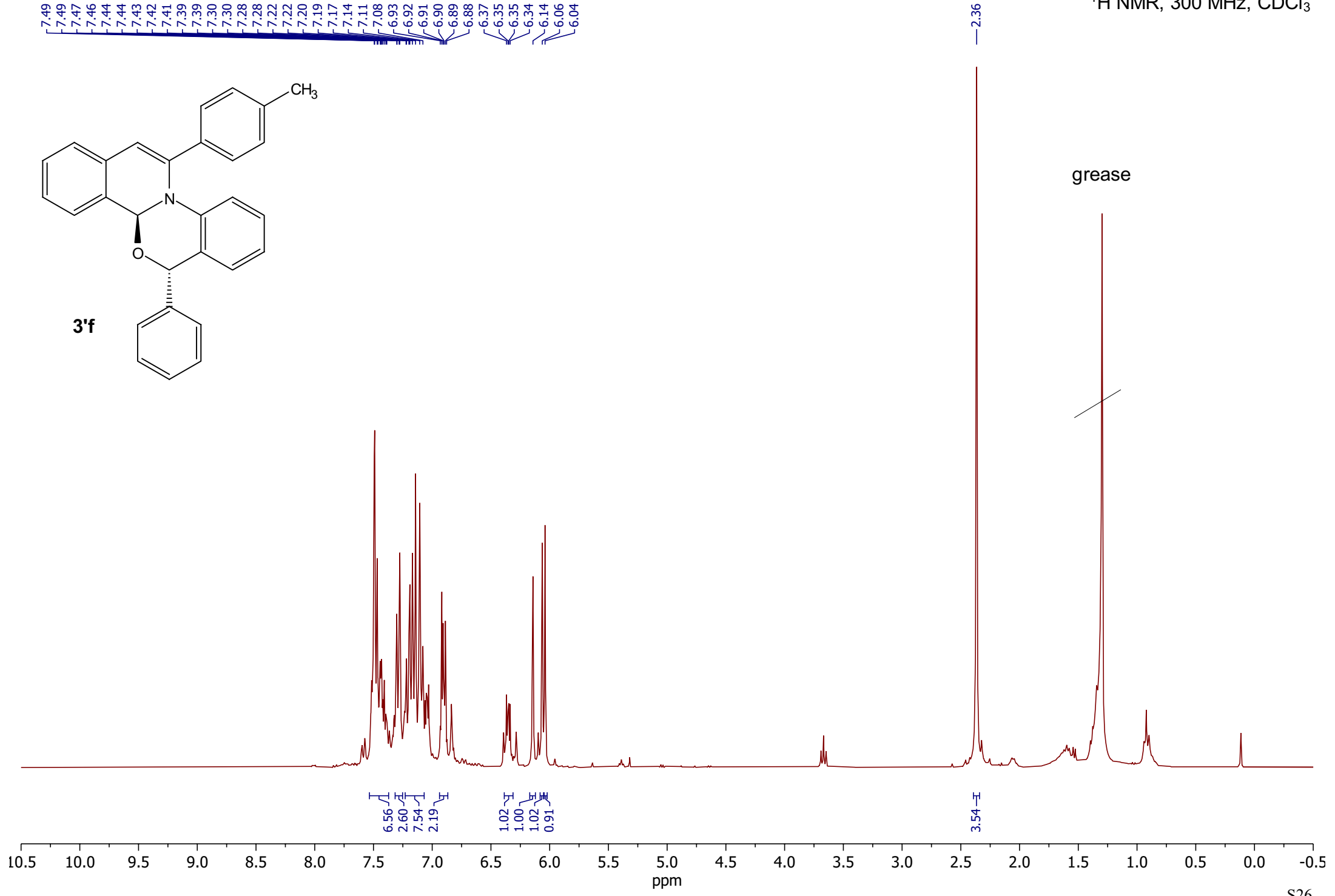
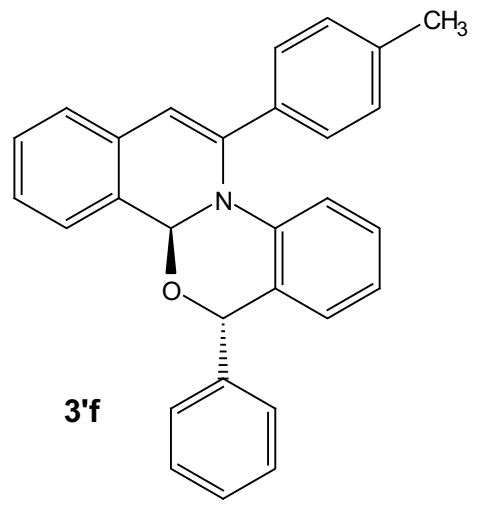


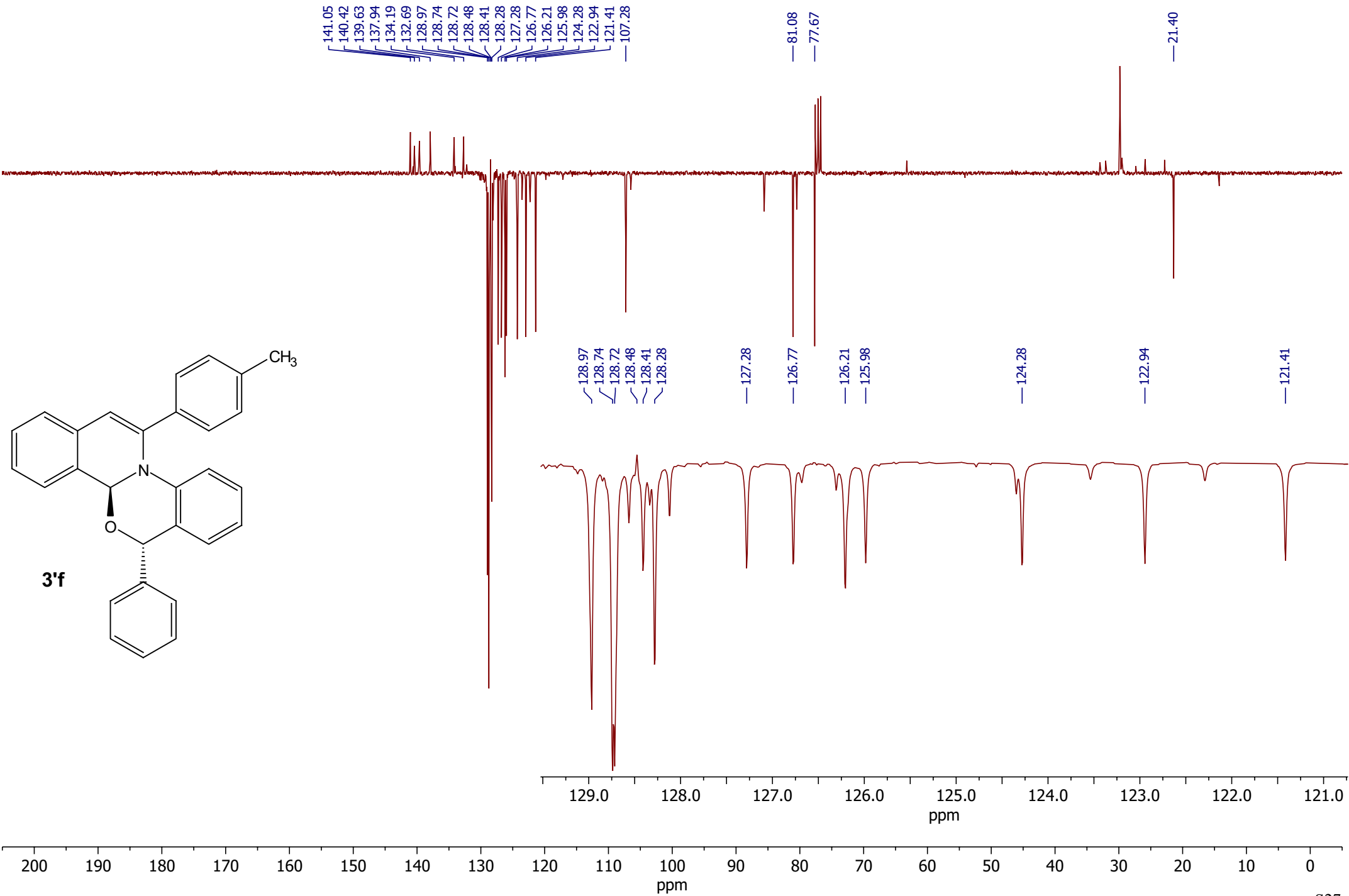
3f

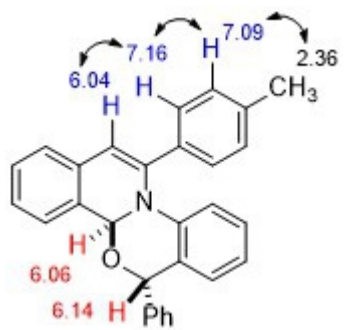
NOESY, 300 MHz, CDCl₃
tmix = 1s



7.49
7.49
7.47
7.46
7.44
7.44
7.43
7.42
7.41
7.39
7.39
7.30
7.30
7.28
7.28
7.22
7.22
7.20
7.19
7.17
7.14
7.11
7.08
6.93
6.92
6.91
6.90
6.89
6.88
6.37
6.35
6.35
6.34
6.14
6.06
6.04

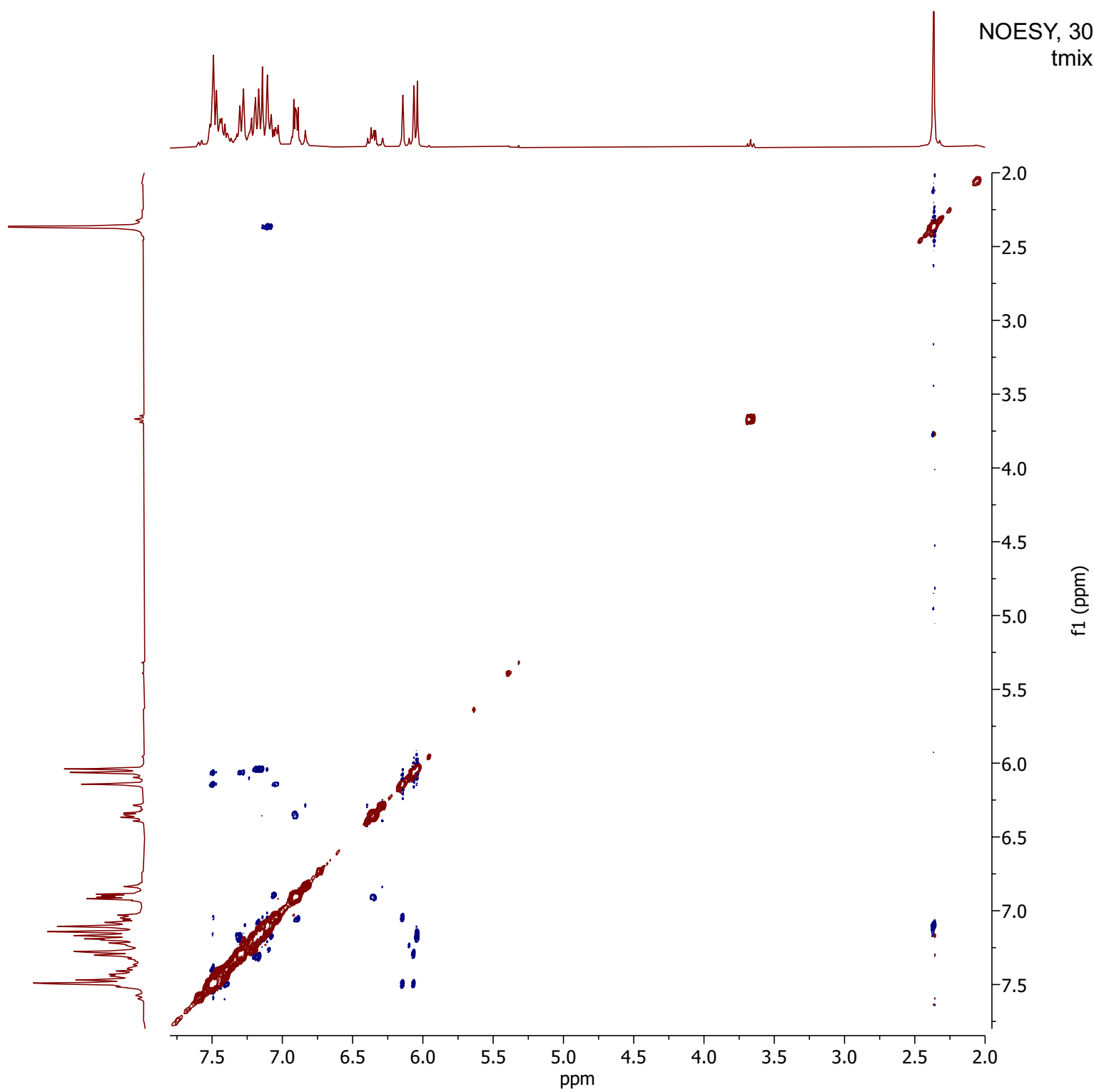


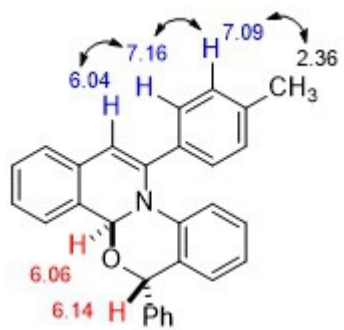




3'f

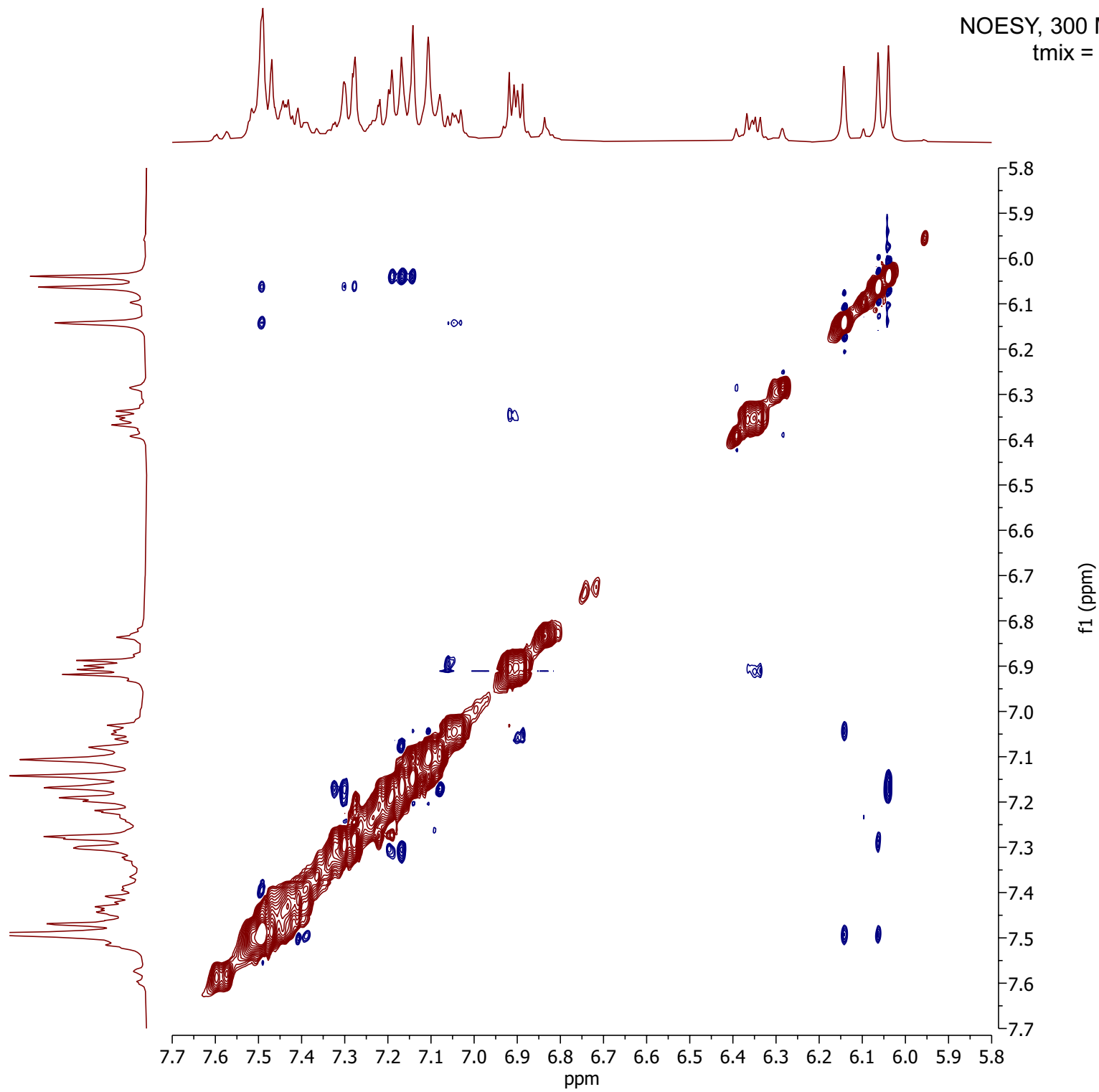
NOESY, 300 MHz, CDCl₃
tmix = 1.3s





3'f

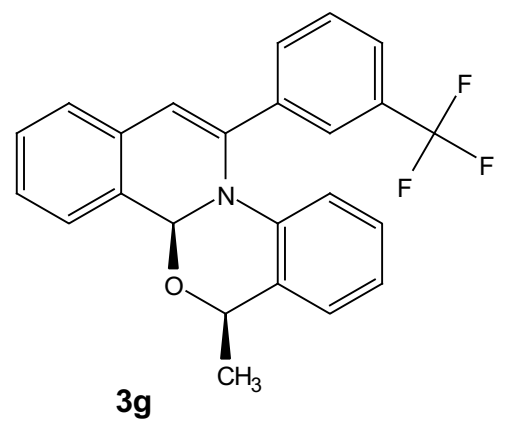
NOESY, 300 MHz, CDCl₃
tmix = 1.3s



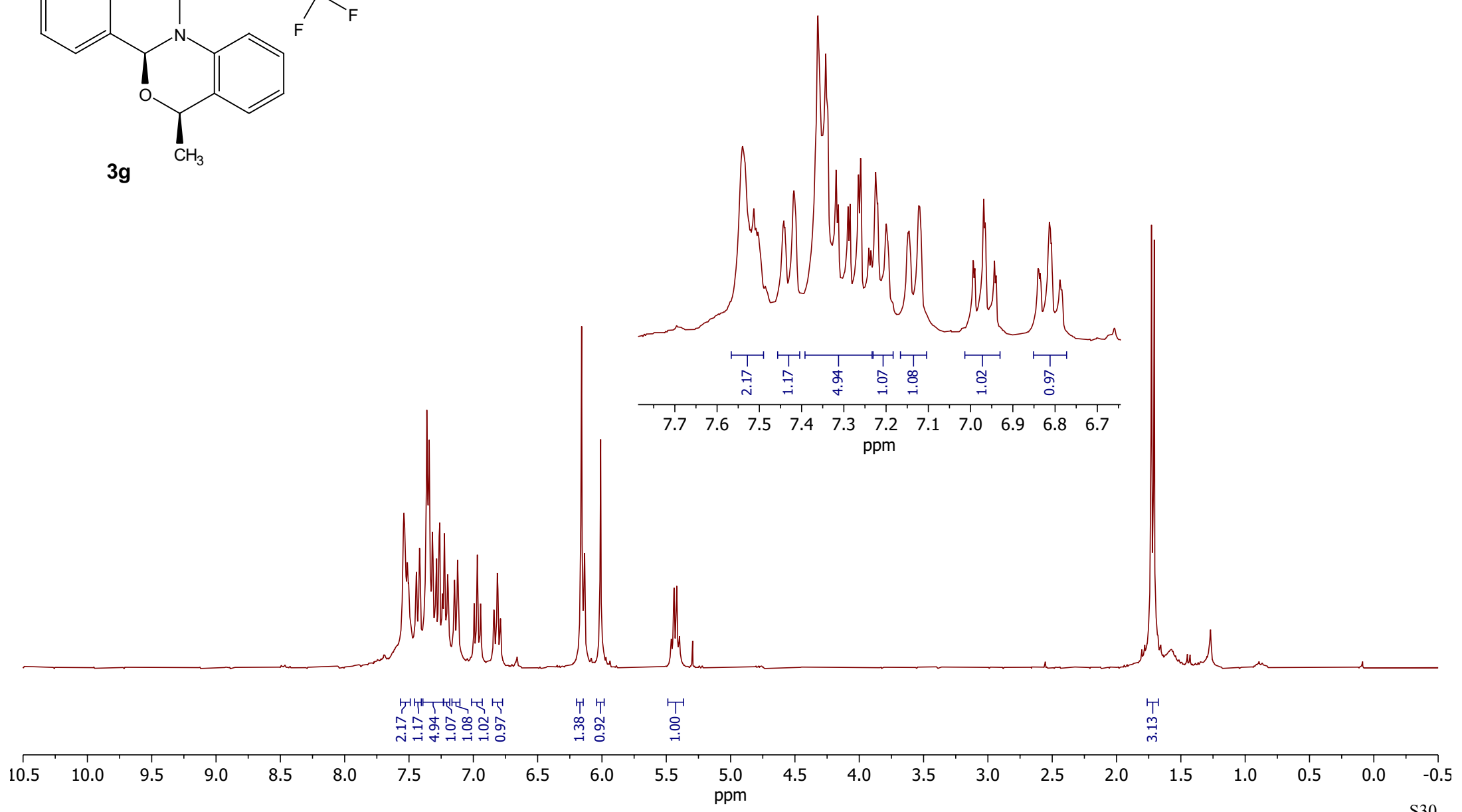
7.54
7.51
7.50
7.44
7.42
7.36
7.34
7.34
7.32
7.31
7.29
7.27
7.26
7.24
7.24
7.20
7.15
7.15
7.12
7.12
6.99
6.99
6.97
6.97
6.94
6.94
6.84
6.84
6.81
6.81
6.78
6.01

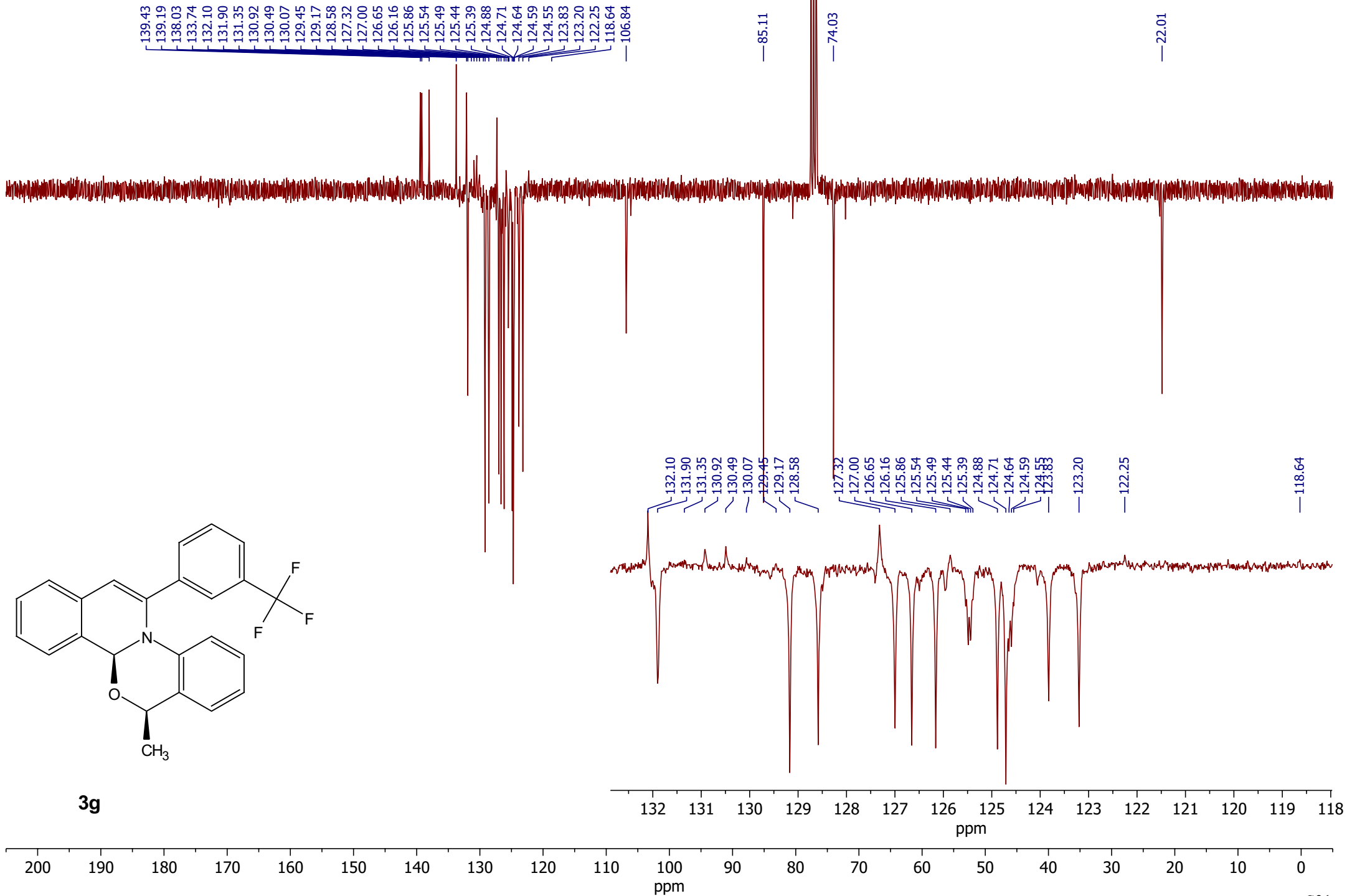
5.46
5.44
5.42
5.40

1.73
1.71



7.54
7.51
7.50
7.44
7.42
7.36
7.34
7.34
7.32
7.31
7.29
7.29
7.27
7.26
7.24
7.24
7.22
7.20
7.15
7.15
7.12
7.12
6.99
6.97
6.94
6.84
6.81
6.81





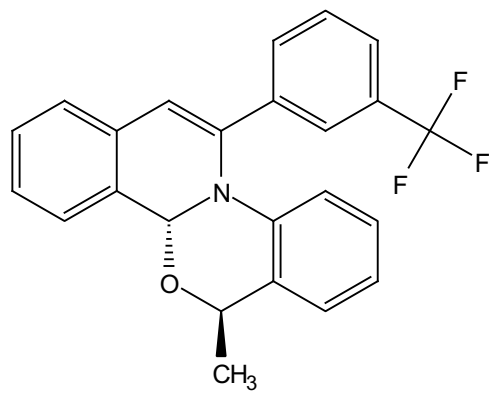
7.52
7.49
7.47
7.41
7.38
7.37
7.35
7.34
7.32
7.32
7.30
7.29
7.29
7.27
7.24
7.24
7.23
7.22
7.20
7.18
7.17
7.14
7.00
6.99
6.97
6.95
6.94
6.83
6.80
6.78
6.19
6.16
6.08
5.93

5.26
5.24
5.22
5.20

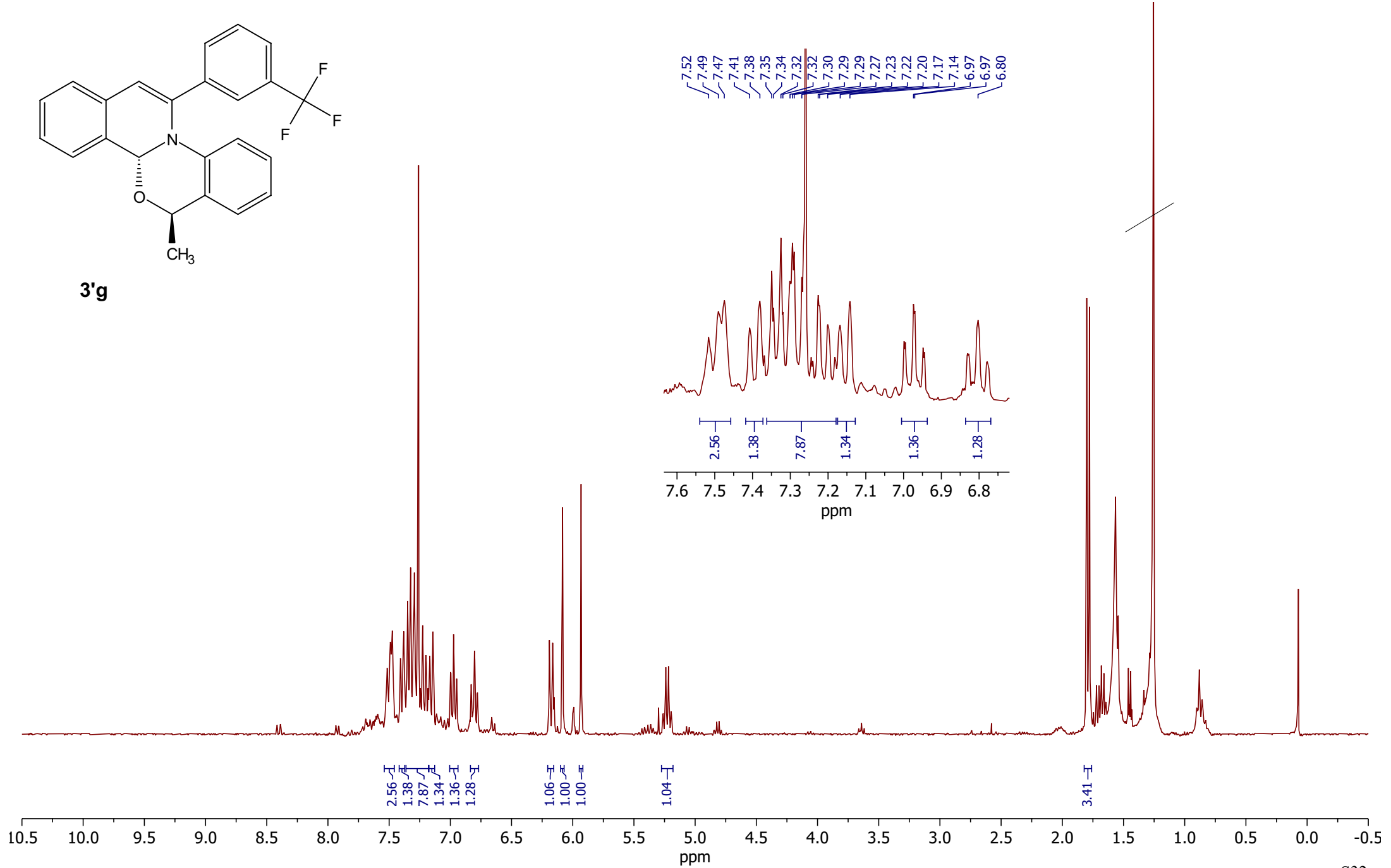
1.80
1.78

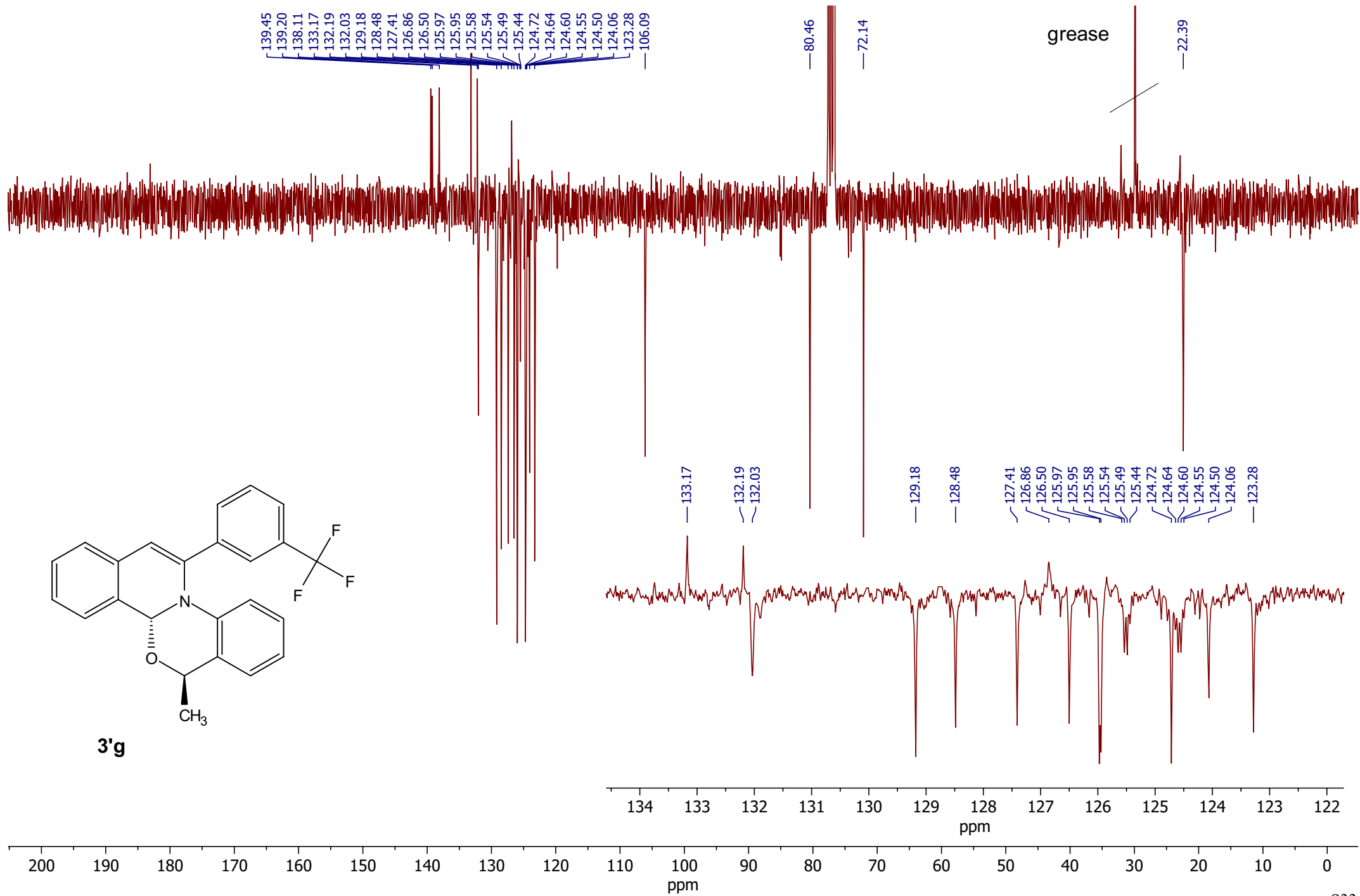
¹H NMR, 300 MHz, CDCl₃

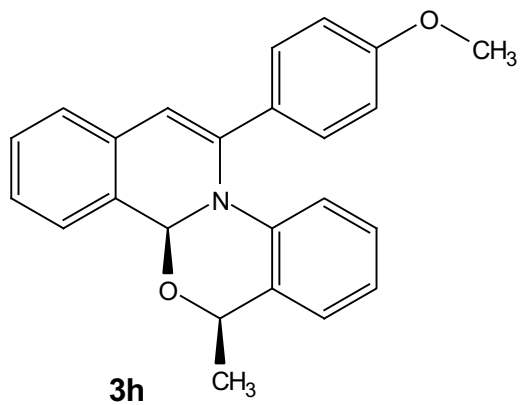
grease



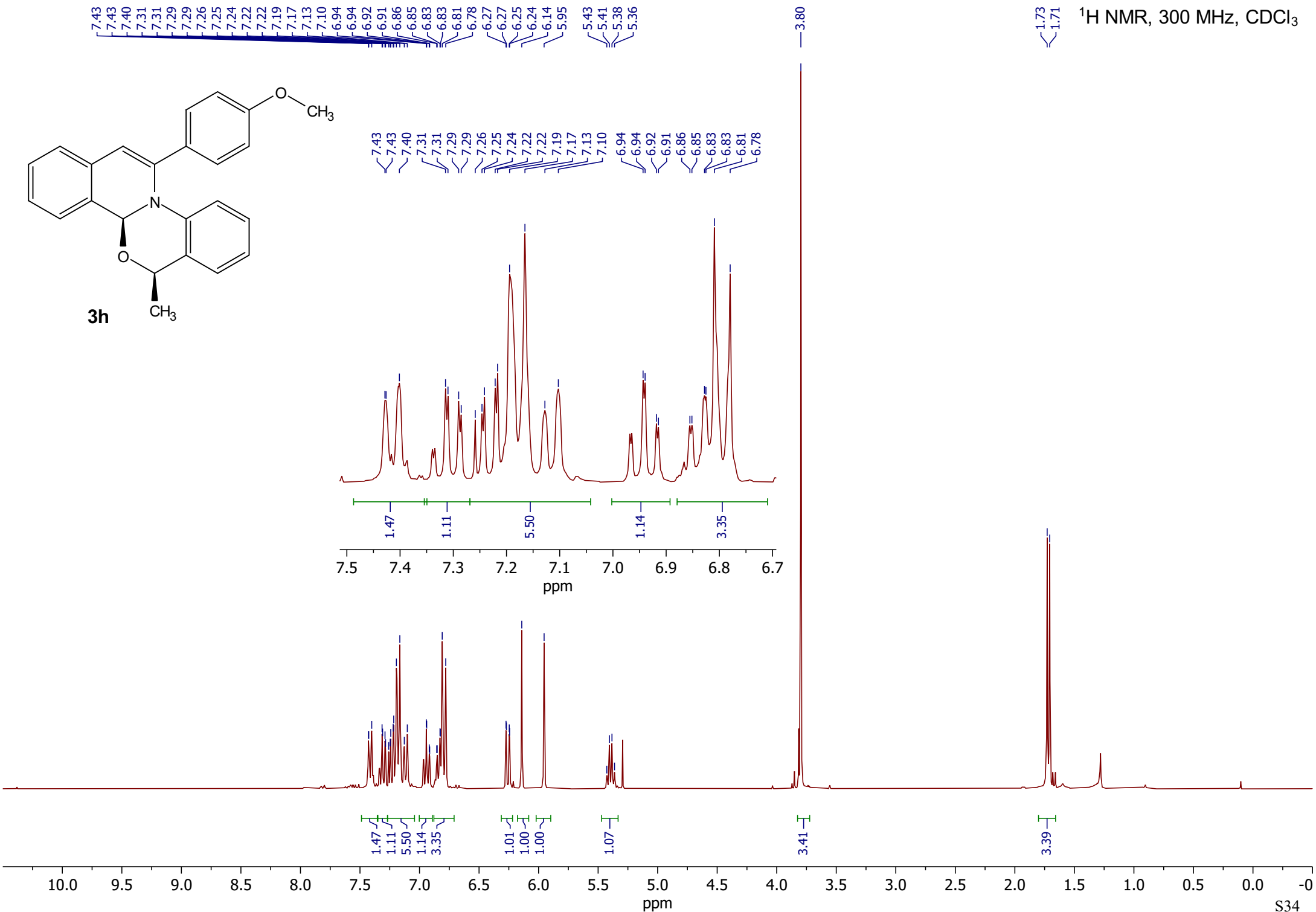
3'g

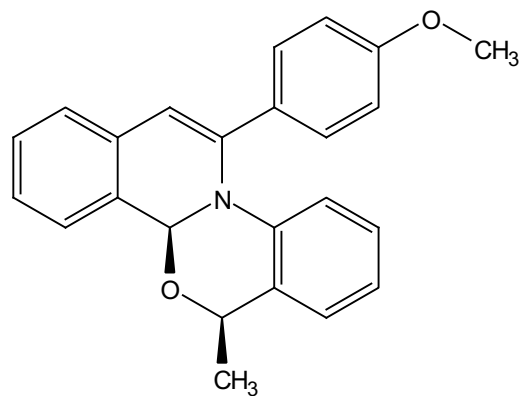




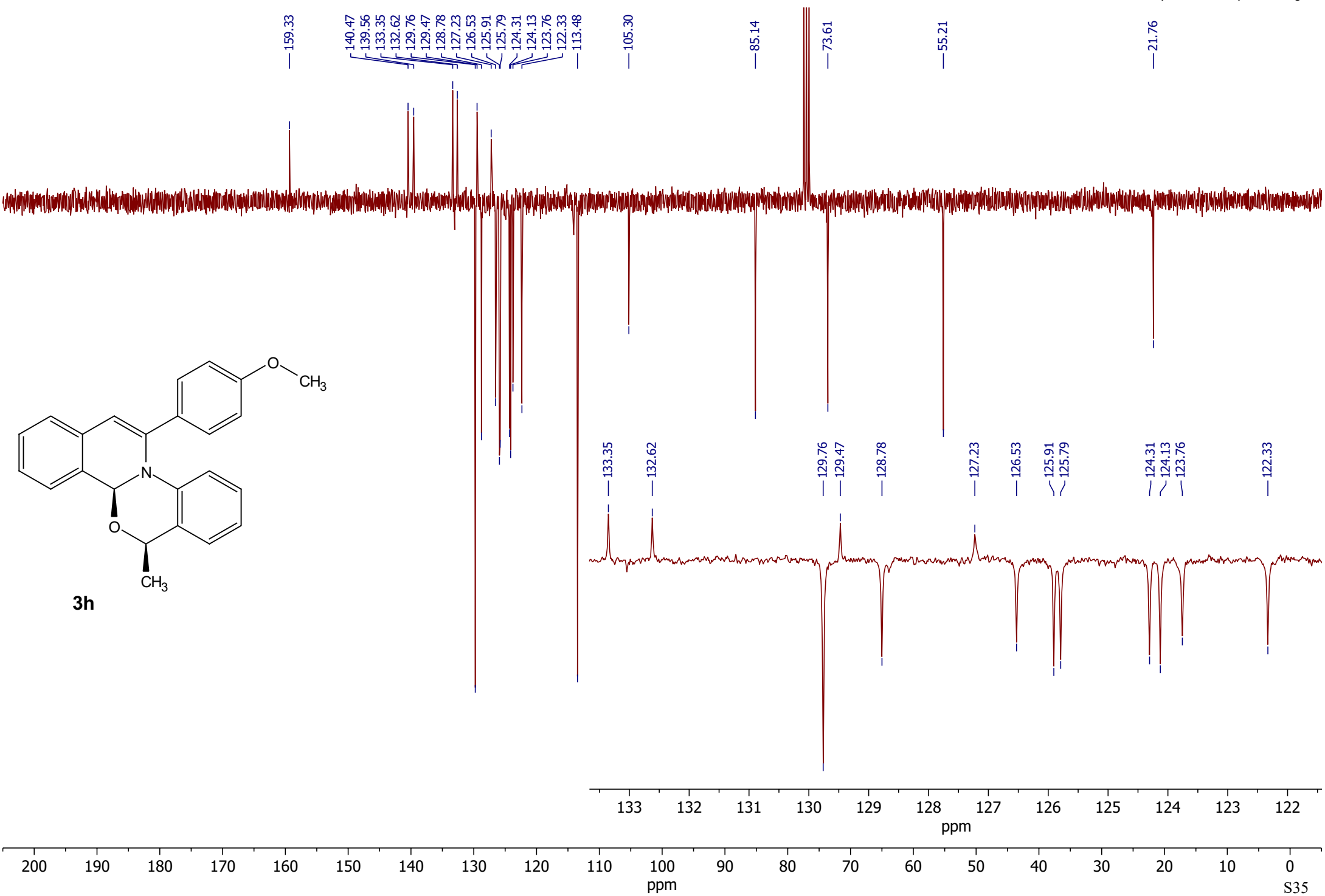


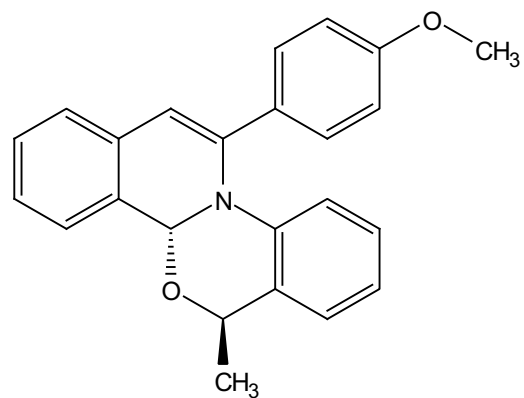
¹H NMR, 300 MHz, CDCl₃





3h





3'h

¹H NMR, 300 MHz, CDCl₃

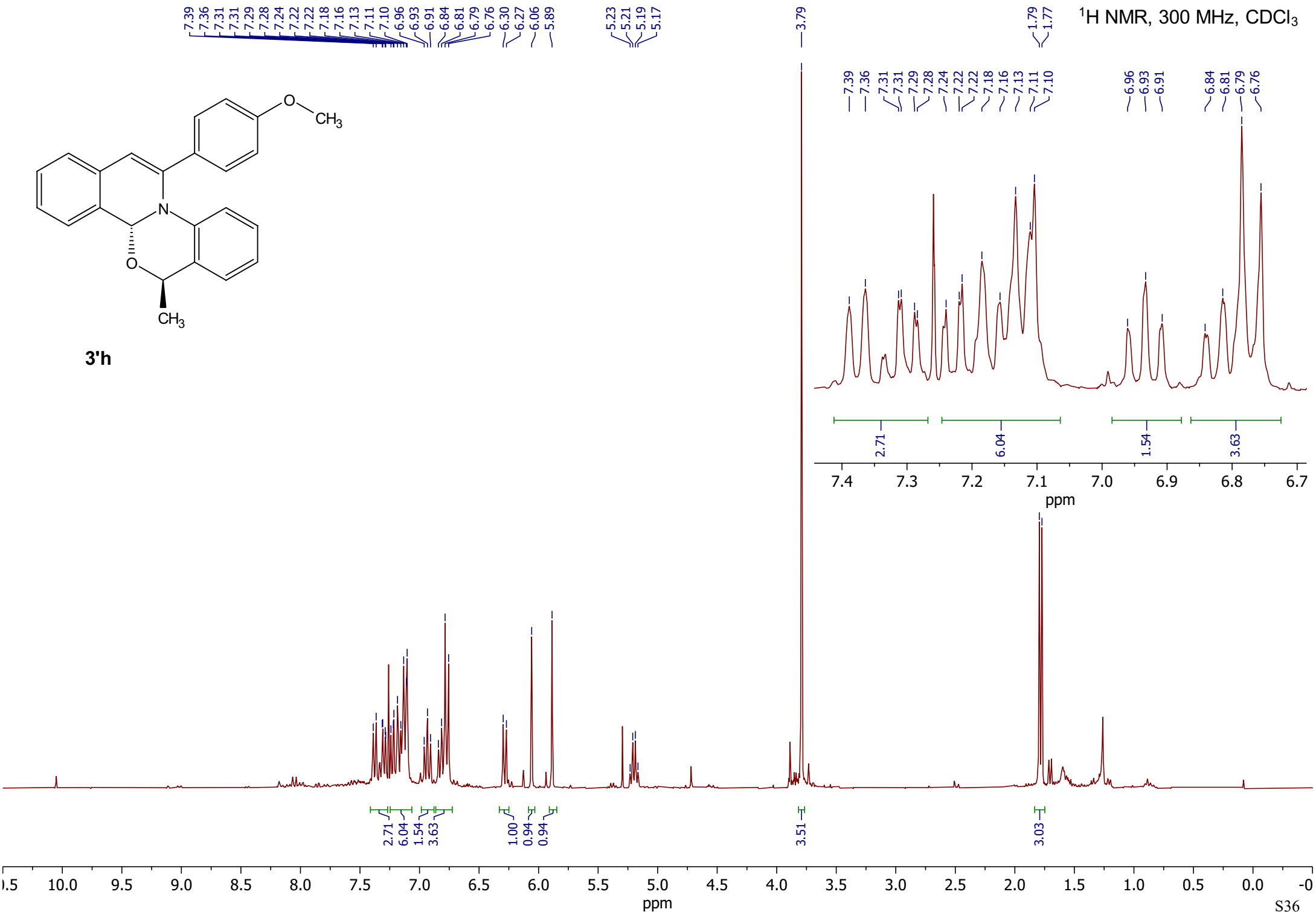
7.39
7.36
7.31
7.31
7.29
7.28
7.24
7.22
7.22
7.18
7.16
7.13
7.11
7.10
6.96
6.93
6.91
6.84
6.81
6.79
6.76
6.30
6.27
6.06
5.89

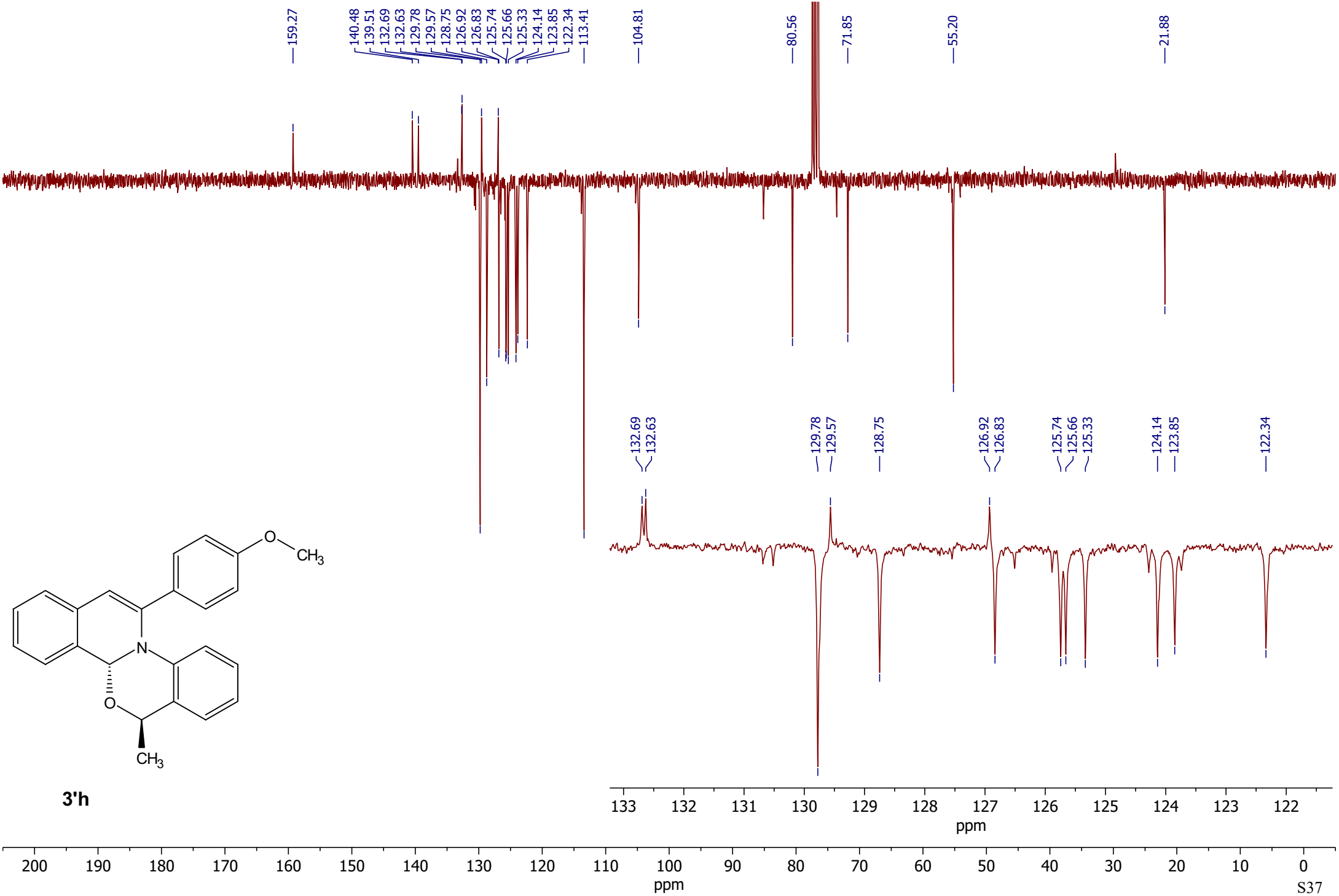
5.23
5.21
5.19
5.17

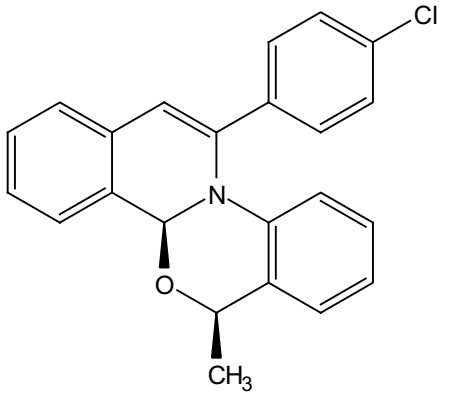
3.79

1.79
1.77

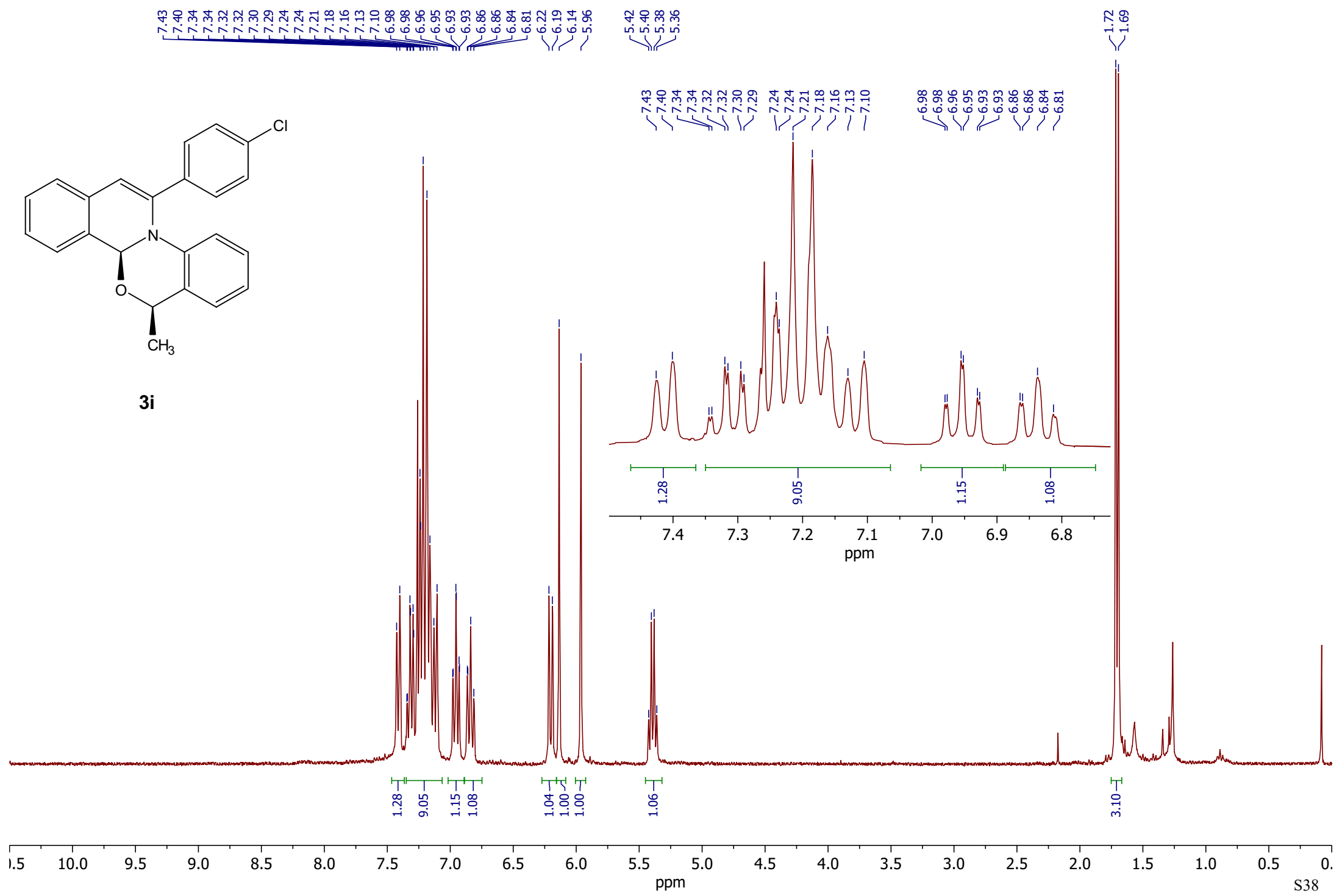
7.39
7.36
7.31
7.31
7.29
7.28
7.24
7.22
7.22
7.18
7.16
7.13
7.11
7.10
6.96
6.93
6.91
6.84
6.81
6.79
6.76

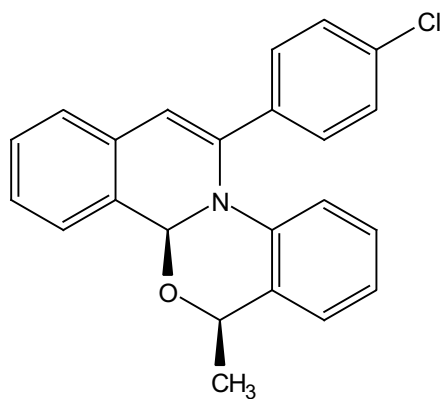




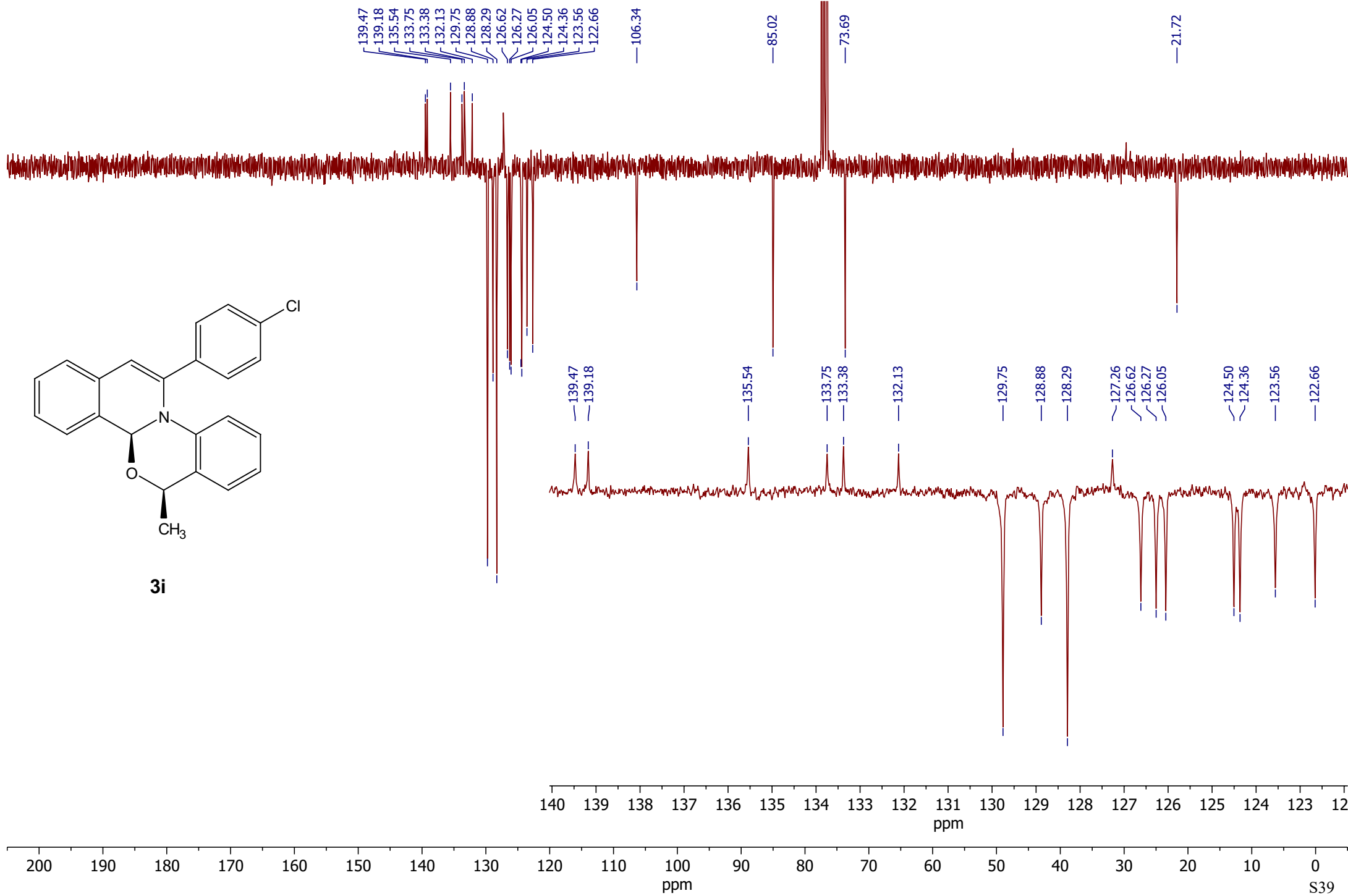


3i





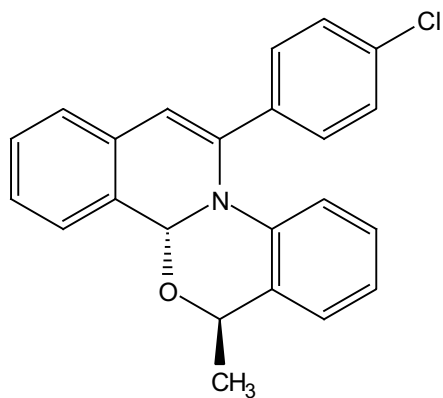
3i



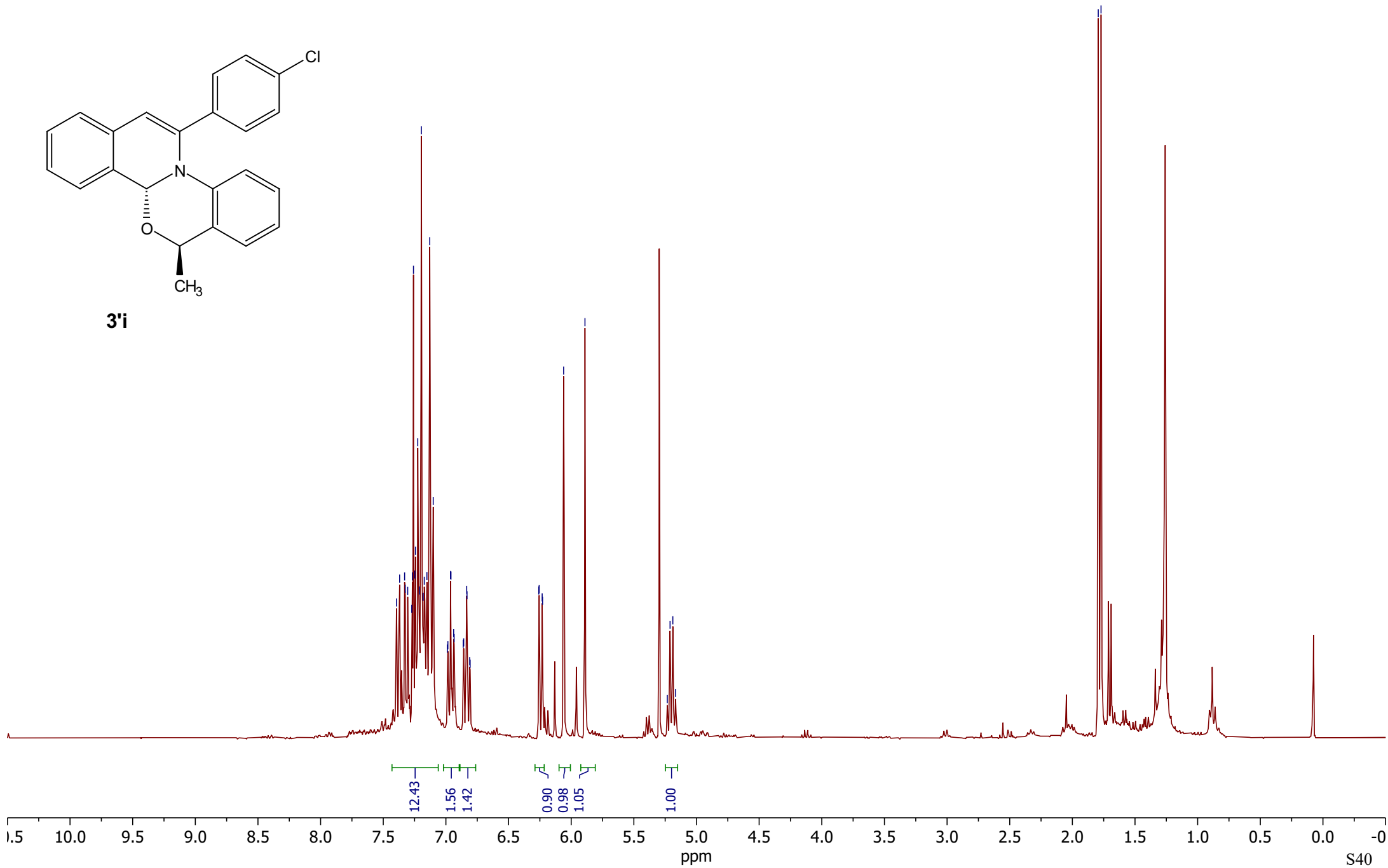
7.39
7.37
7.33
7.32
7.30
7.27
7.27
7.26
7.25
7.24
7.22
7.21
7.20
7.18
7.17
7.15
7.13
7.10
6.99
6.98
6.96
6.96
6.94
6.93
6.86
6.86
6.83
6.83
6.81
6.81
6.26
6.26
6.23
6.23
6.06
5.89

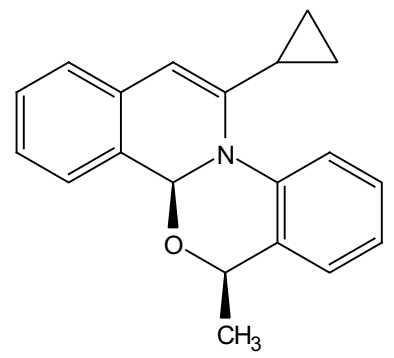
5.23
5.21
5.19
5.17

1.79
1.77



3'i



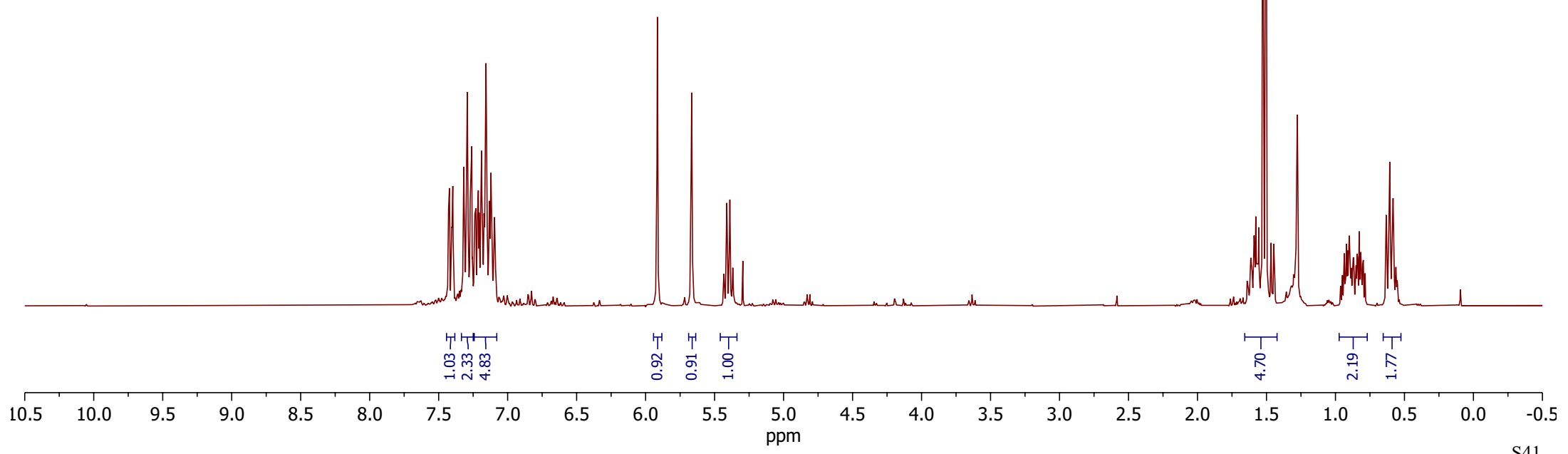
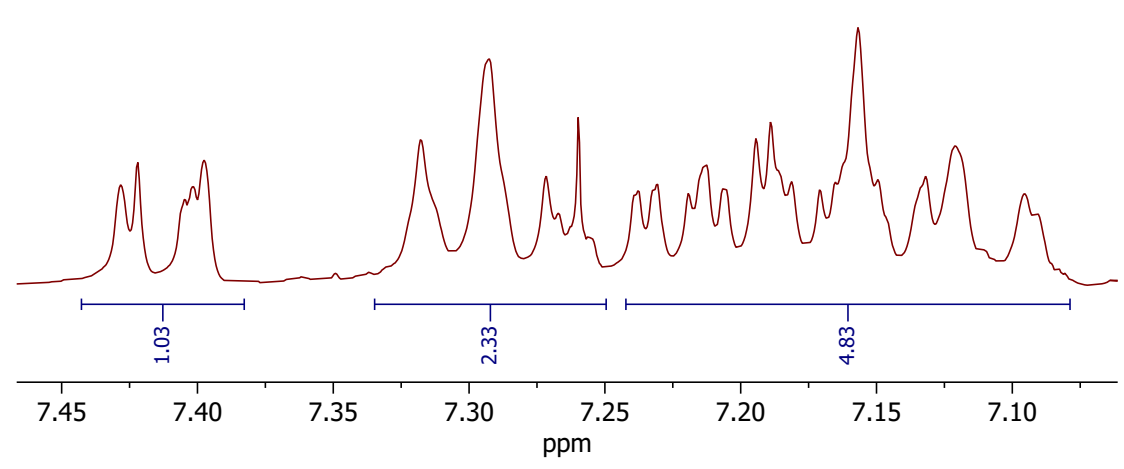


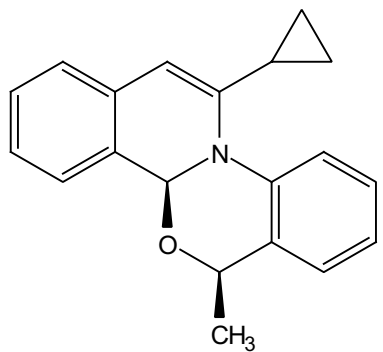
3j

7.43
7.42
7.40
7.40
7.40
7.32
7.27
7.26
7.24
7.23
7.22
7.21
7.21
7.19
7.19
7.18
7.17
7.16
7.15
7.13
7.12
7.10
5.91
5.67
5.43
5.41
5.39
5.37

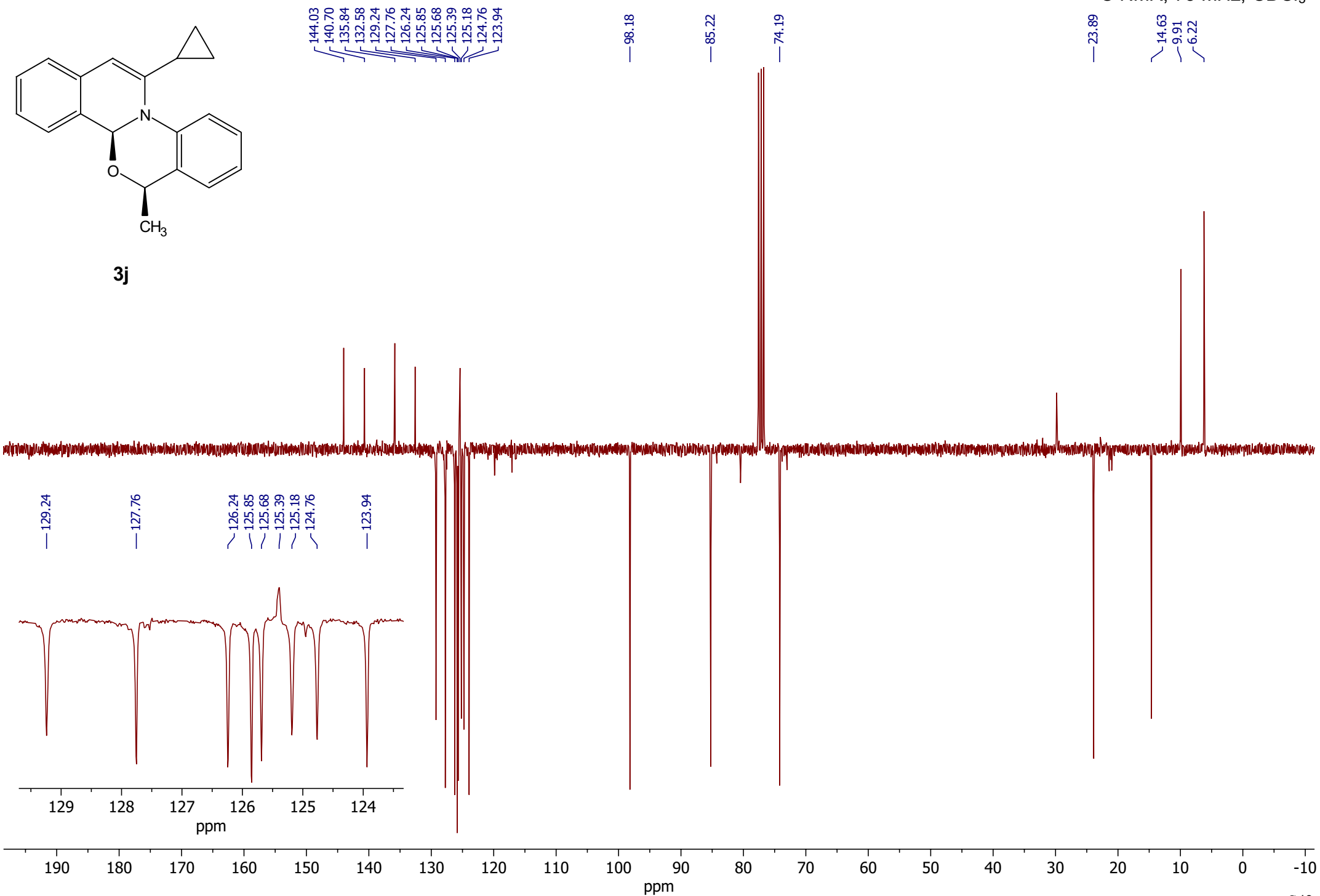
1.61
1.59
1.58
1.56
1.56
1.53
1.50
1.47
1.45
0.94
0.92
0.91
0.90
0.84
0.84
0.83
0.82
0.82
0.63
0.61
0.61
0.58

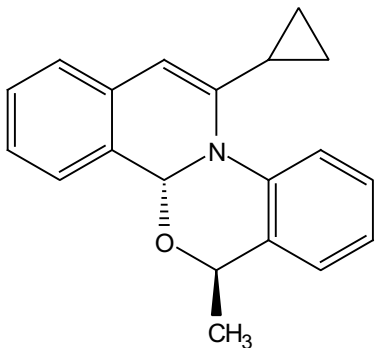
7.43
7.42
7.40
7.40
7.40
7.32
7.29
7.27
7.26
7.24
7.23
7.22
7.21
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7.18
7.17
7.16
7.15
7.13
7.12
7.10



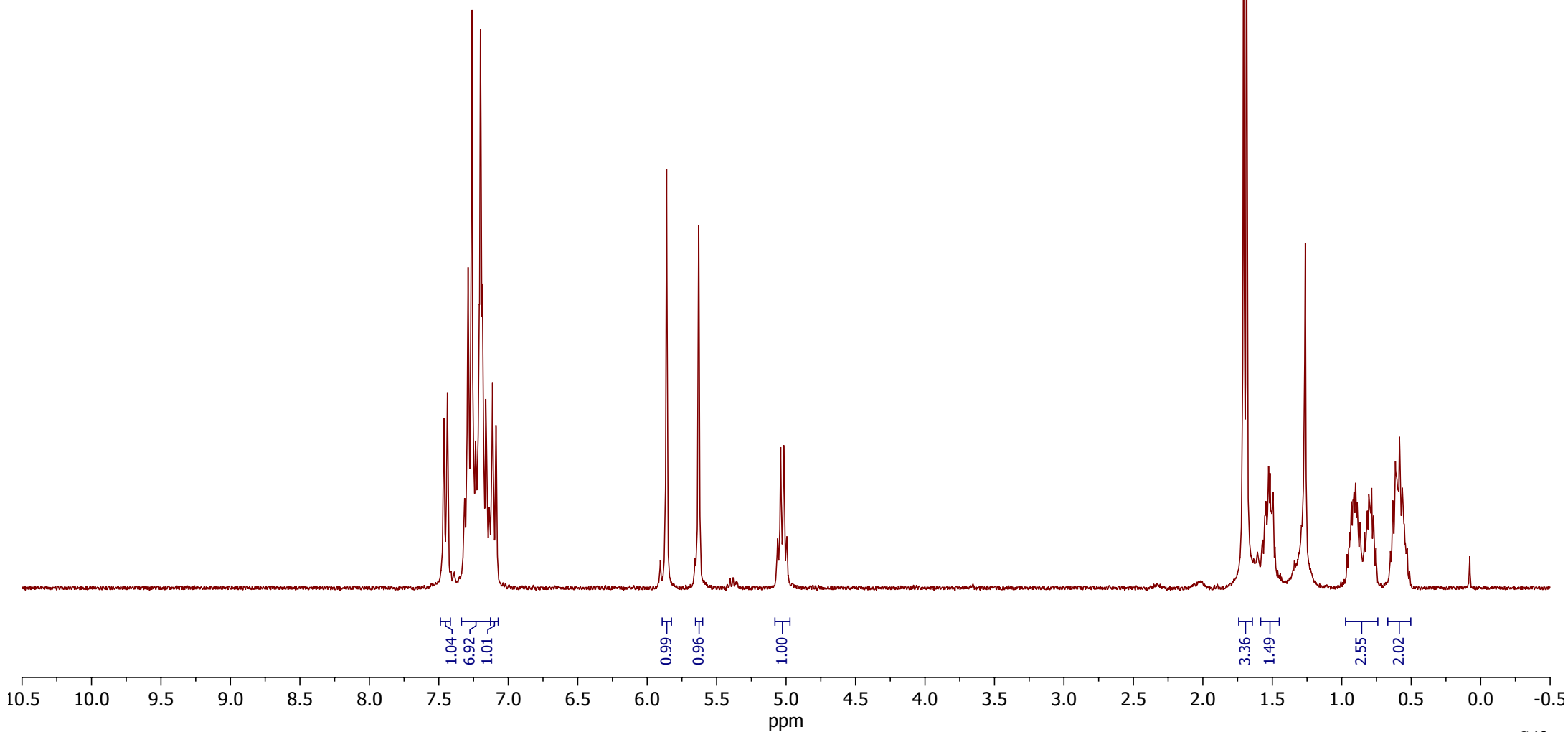


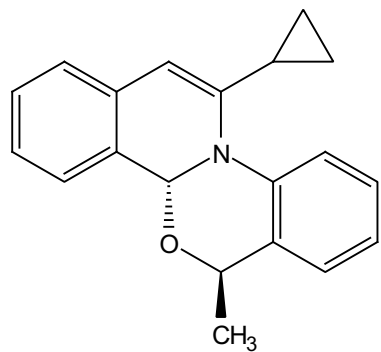
3j



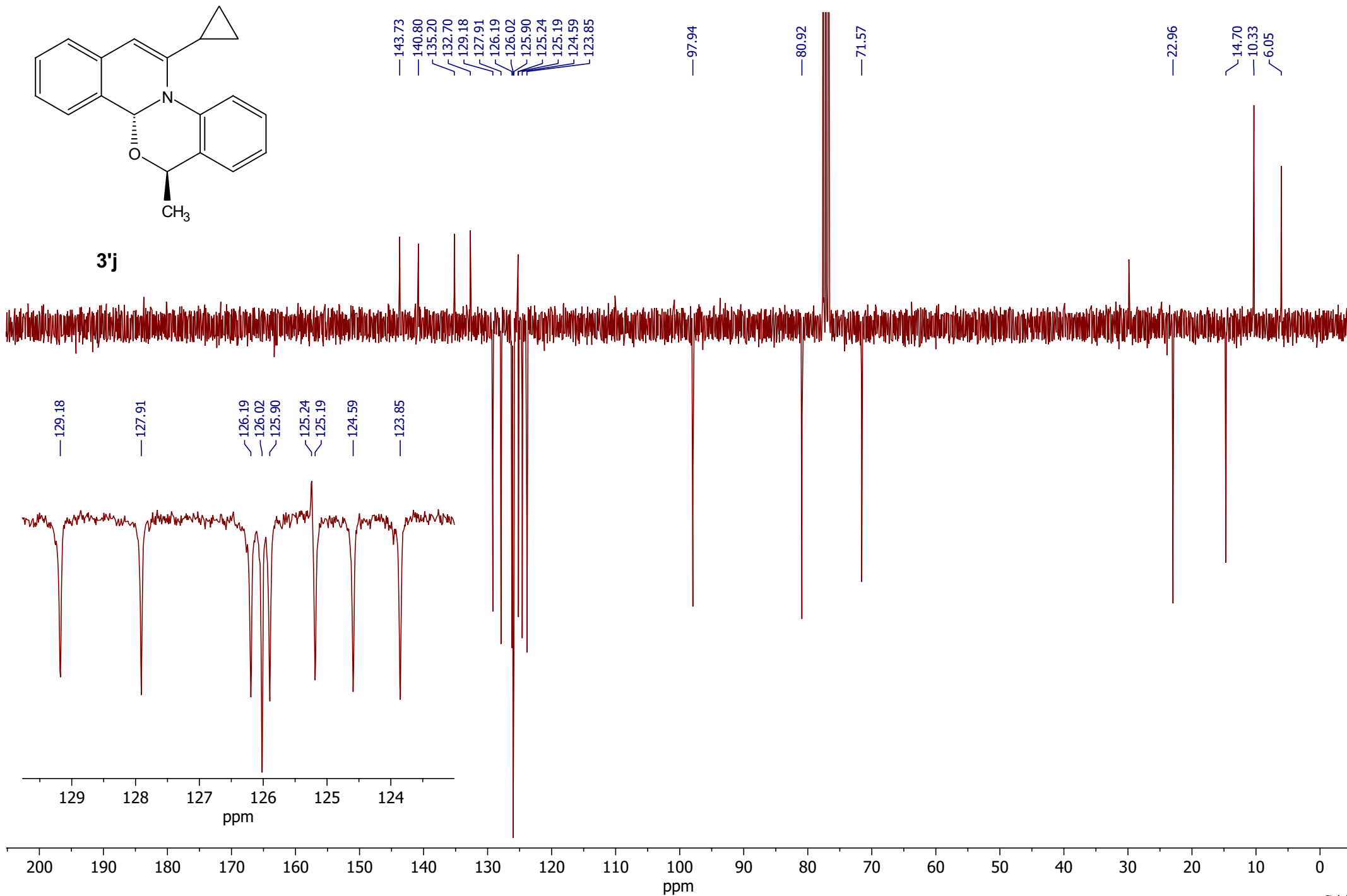


3'j





3'j

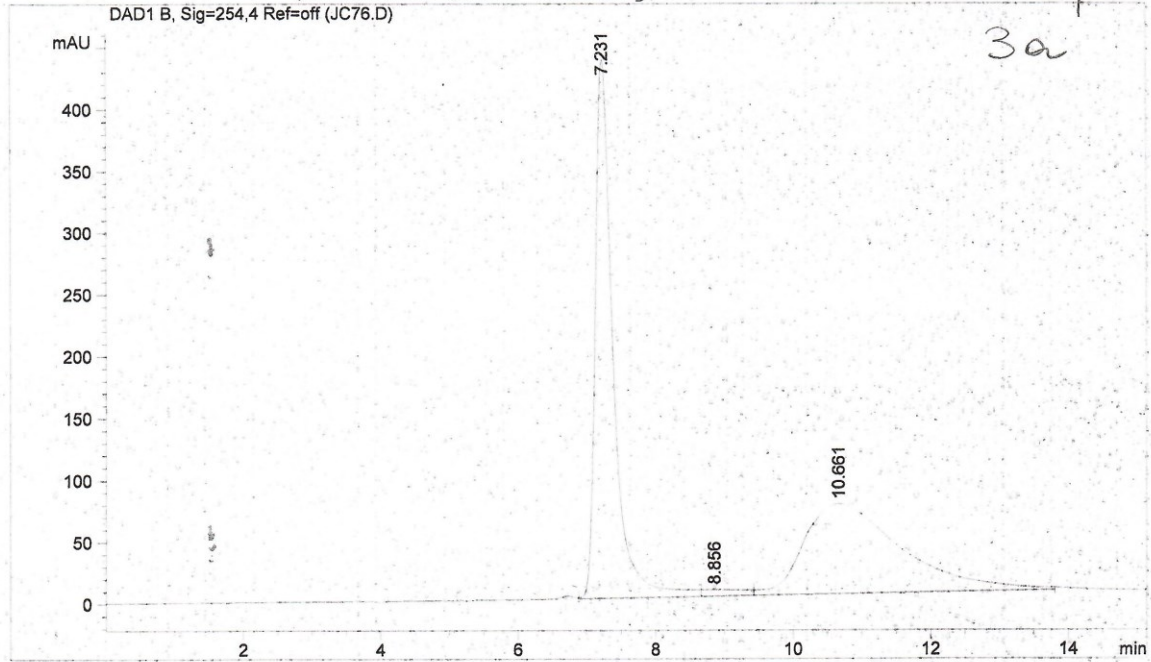


amy 2

=====
Injection Date : 04/06/18 9.41.31
Sample Name : jc76 10ipa dea
Acq. Operator : 1
Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed : 04/06/18 9.34.42 by 1
(modified after loading)

Vial : 1

TABLE 3 Entry 1
3a



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 B, Sig=254,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	7.231	VV	0.2714	7893.33594	435.56964	51.4545 52%
2	8.856	VV	0.5236	227.53470	5.40026	1.4832
3	10.661	VB	1.4147	7219.55859	72.94357	47.0623 48%

Totals : 1.53404e4 513.91347

98.51

Results obtained with enhanced integrator!

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

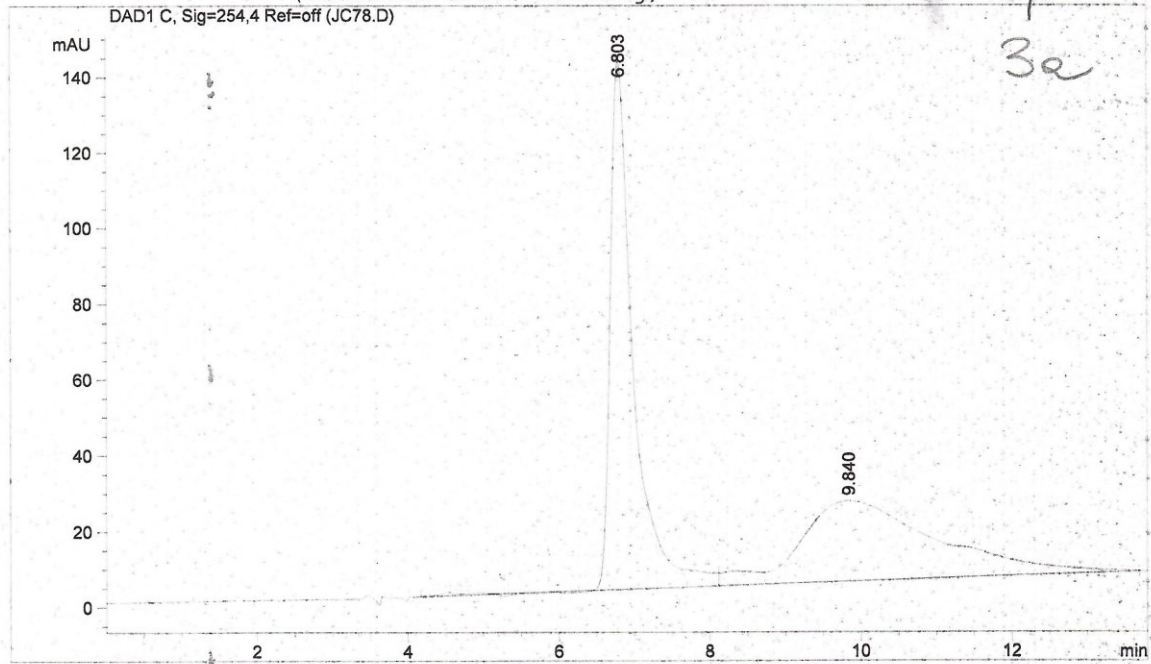
amy2 10ipa dea

=====
Injection Date : 15/06/18 14.18.07
Sample Name : 78
Acq. Operator : 1
Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed : 15/06/18 14.14.57 by 1
(modified after loading)

Vial : 1

TABLE 3 Entry 2

3e



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 C, Sig=254,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.803	PB	0.3159	2983.44092	138.19337	52.3626
2	9.840	BB	1.8506	2714.21069	21.35872	47.6374

Totals : 5697.65161 159.55210

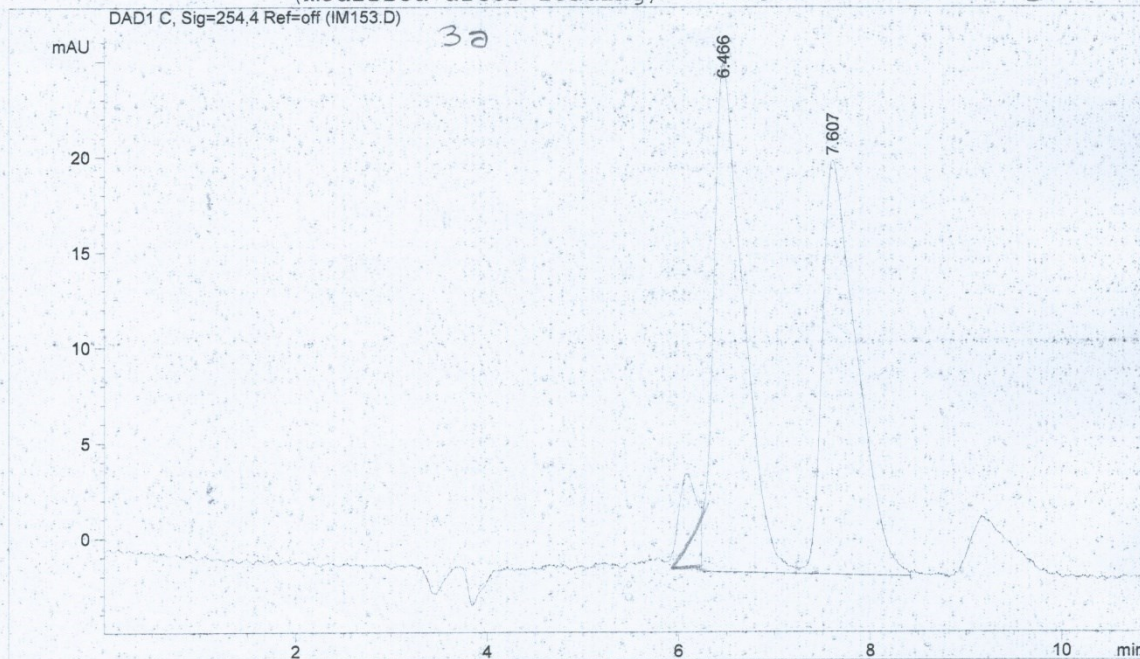
Results obtained with enhanced integrator!

*** End of Report ***

=====
Injection Date : 09/10/19 14.30.04
Sample Name : im153 ad 25ipade
Acq. Operator : 1
Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed : 09/10/19 14.28.26 by 1
(modified after loading)

Vial : 1

TABLE 3 ENTRY 3



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 C, Sig=254,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.466	VV	0.3078	576.03357	26.69318	51.3411
2	7.607	VV	0.3575	545.94073	21.69959	48.6589

Totals : 1121.97430 48.39278

Results obtained with enhanced integrator!

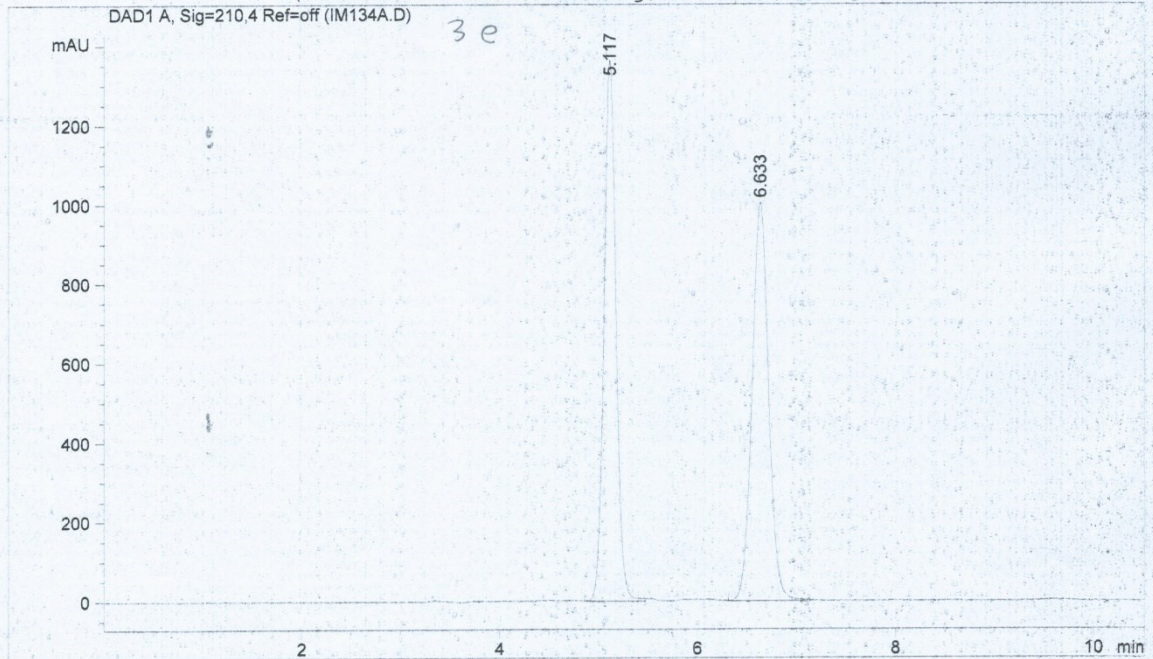
*** End of Report ***

fr3-6 0'8 ml-m

```

=====
Injection Date   : 27/06/19 11.46.32
Sample Name     : im134a kr10ipa           Vial :    1
Acq. Operator   : 1
Acq. Method     : C:\HPCHEM\1\METHODS\CECE.M
Last changed    : 27/06/19 11.43.45 by 1
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed    : 27/06/19 11.58.30 by 1
                  (modified after loading)
=====

```



```

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

```

```

Sorted By           :      Signal
Multiplier          :      1.0000
Dilution            :      1.0000

```

Signal 1: DAD1 A, Sig=210,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.117	VV	0.1287	1.15327e4	1363.24573	49.6710
2	6.633	VV	0.1757	1.16854e4	1004.92108	50.3290

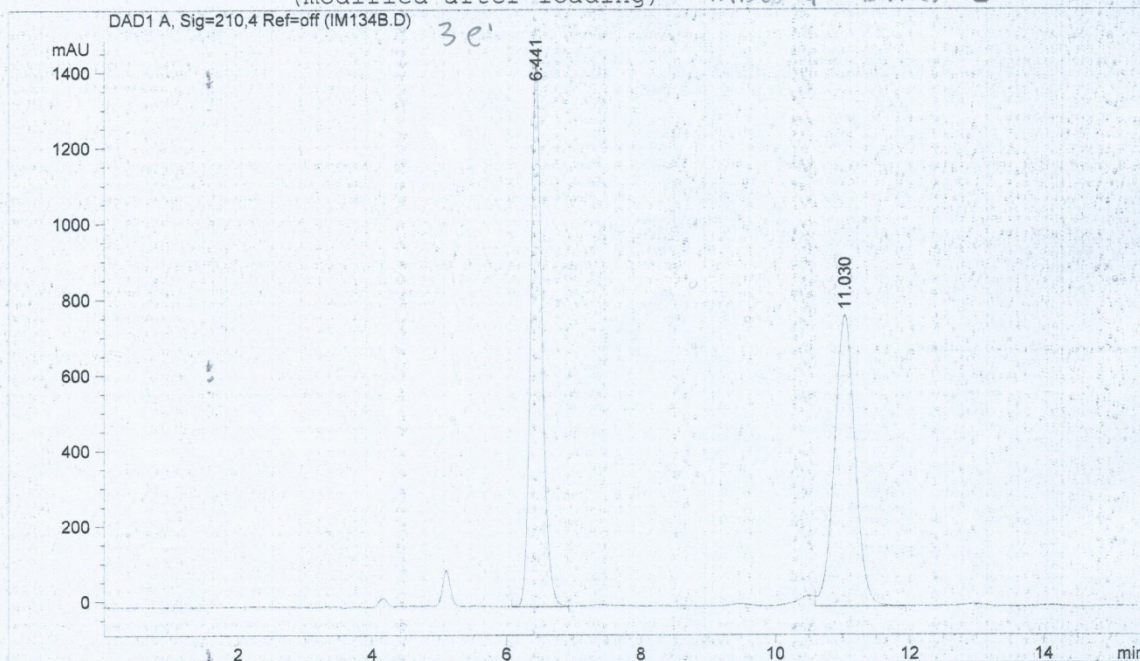
```
Totals :                2.32181e4  2368.16681
```

Results obtained with enhanced integrator!

*** End of Report ***

fr7-17 0'8 ml-m

=====
Injection Date : 27/06/19 14.09.38
Sample Name : im134b kr10ipa Vial : 1
Acq. Operator : 1
Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed : 27/06/19 12.18.47 by 1
(modified after loading) *TABLE 4 ENTRY 1*



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=210,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.441	VV	0.1709	1.68148e4	1433.14026	50.4507
2	11.030	VV	0.3176	1.65144e4	771.86340	49.5493

Totals : 3.33292e4 2205.00366

Results obtained with enhanced integrator!

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

t0

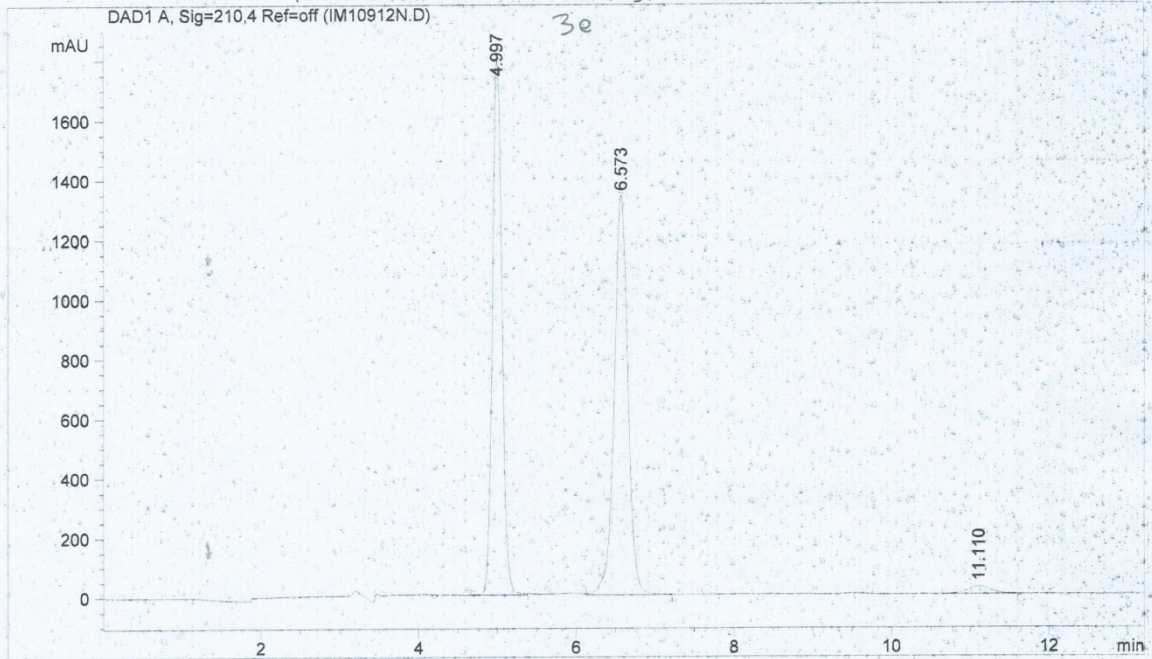
SC1010 INF10

```

=====
Injection Date   : 11/04/19 10.52.01
Sample Name     : im109 12kr10ipa           Vial : 1
Acq. Operator   : 1
Acq. Method    : C:\HPCHEM\1\METHODS\CECE.M
Last changed    : 11/04/19 9.52.21 by 1
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed    : 11/04/19 11.07.07 by 1
                  (modified after loading)
=====

```

TABLE 4 ENTRY 1



Area Percent Report

```

Sorted By      : Signal
Multiplier    : 1.0000
Dilution      : 1.0000

```

47.42: 97.97 = x 100

Signal 1: DAD1 A, Sig=210,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	4.997	VV	0.1306	1.51359e4	1791.01379	47.4201
2	6.573	VV	0.1812	1.62078e4	1339.61487	50.7784
3	11.110	VV	0.2807	575.02222	26.76270	1.8015

Totals : 3.19187e4 3157.39137

Results obtained with enhanced integrator!

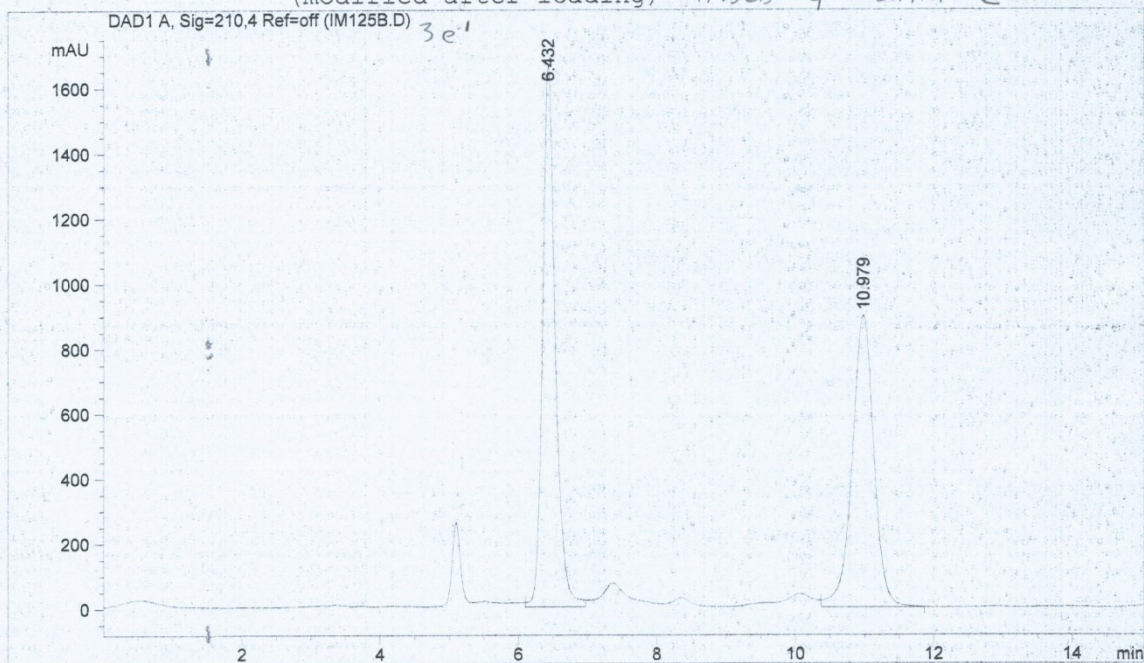
fr32-45 0'8 ml-m

```

=====
Injection Date   : 27/06/19 14.47.46
Sample Name     : im125b kr10ipa           Vial : 1
Acq. Operator   : 1
Acq. Method     : C:\HPCHEM\1\METHODS\CECE.M
Last changed    : 27/06/19 14.45.55 by 1
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed    : 27/06/19 15.03.51 by 1
                  (modified after loading)
=====

```

TABLE 4 ENTRY 2



```

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

```

```

Sorted By      : Signal
Multiplier    : 1.0000
Dilution      : 1.0000

```

Signal 1: DAD1 A, Sig=210,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.432	VV	0.1857	2.13672e4	1665.37781	52.0321
2	10.979	VV	0.3261	1.96982e4	897.27808	47.9679

```
Totals :                4.10655e4  2562.65588
```

Results obtained with enhanced integrator!

*** End of Report ***

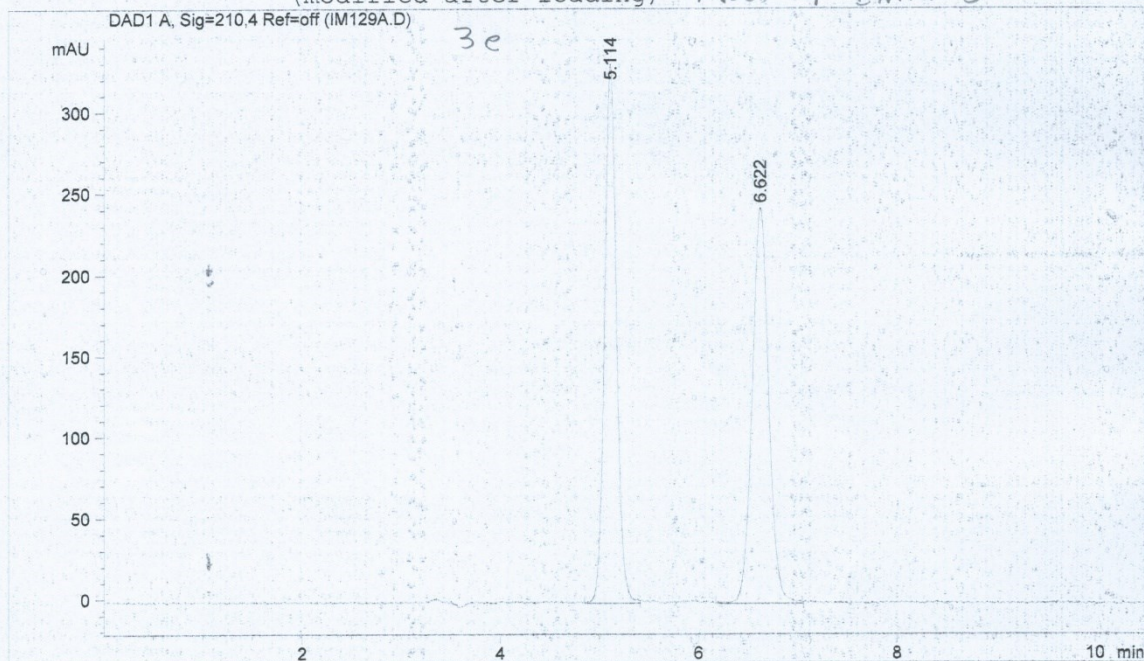
fr3-6 0'8 ml-m

```

=====
Injection Date   : 27/06/19 11.30.46
Sample Name     : im129a kr10ipa           Vial : 1
Acq. Operator   : 1
Acq. Method    : C:\HPCHEM\1\METHODS\CECE.M
Last changed    : 27/06/19 11.27.35 by 1
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed    : 27/06/19 11.43.45 by 1
                  (modified after loading)

```

TABLE 4 ENTRY 3



Area Percent Report

```

Sorted By      : Signal
Multiplier    : 1.0000
Dilution      : 1.0000

```

Signal 1: DAD1 A, Sig=210,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.114	VV	0.1295	2778.87964	332.38516	49.5765
2	6.622	VV	0.1754	2826.35474	243.45102	50.4235

Totals : 5605.23438 575.83618

Results obtained with enhanced integrator!

*** End of Report ***

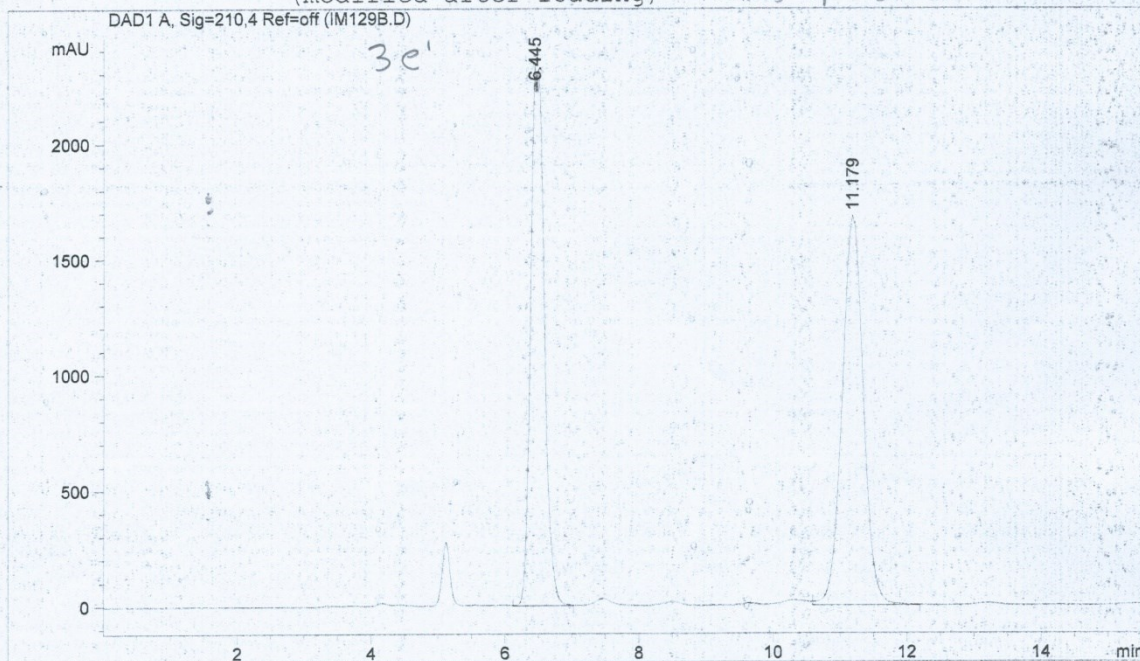
fr8-31 0'8 ml-m

```

=====
Injection Date   : 27/06/19 12.00.46
Sample Name     : im129b kr10ipa           Vial : 1
Acq. Operator   : 1
Acq. Method     : C:\HPCHEM\1\METHODS\CECE.M
Last changed    : 27/06/19 11.58.30 by 1
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed    : 27/06/19 12.18.47 by 1
                  (modified after loading)
=====

```

TABLE 4 ENTRY 3



Area Percent Report

```

Sorted By      : Signal
Multiplier    : 1.0000
Dilution      : 1.0000

```

Signal 1: DAD1 A, Sig=210,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.445	VV	0.1716	3.31915e4	2338.24268	47.1060
2	11.179	VV	0.2657	3.72698e4	1686.96448	52.8940

Totals : 7.04613e4 4025.20715

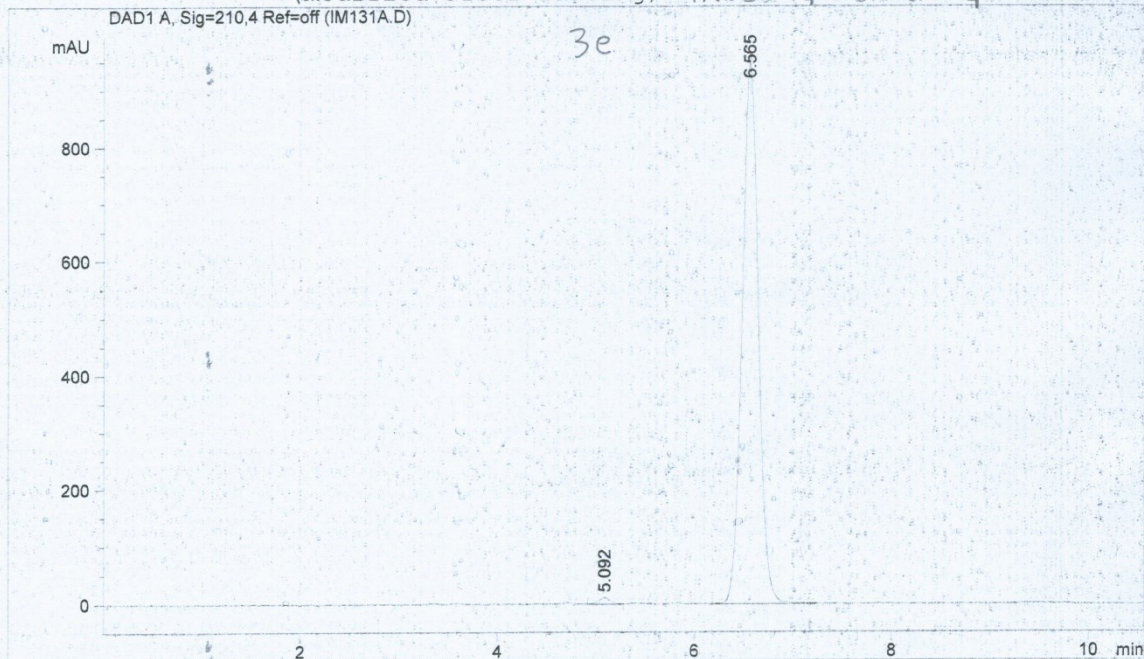
Results obtained with enhanced integrator!

*** End of Report ***

fr4-8 0'8 ml-m

```

=====
Injection Date   : 27/06/19 11.14.14
Sample Name     : im131a kr10ipa           Vial : 1
Acq. Operator   : 1
Acq. Method    : C:\HPCHEM\1\METHODS\CECE.M
Last changed   : 27/06/19 11.09.08 by 1
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed   : 27/06/19 11.25.52 by 1
                  (modified after loading)
    
```



Area Percent Report

```

Sorted By      : Signal
Multiplier    : 1.0000
Dilution      : 1.0000
    
```

Signal 1: DAD1 A, Sig=210,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.092	VV	0.1381	105.77605	12.08538	0.9626
2	6.565	VB	0.1778	1.08832e4	949.27765	99.0374

Totals : 1.09890e4 961.36303

Results obtained with enhanced integrator!

*** End of Report ***

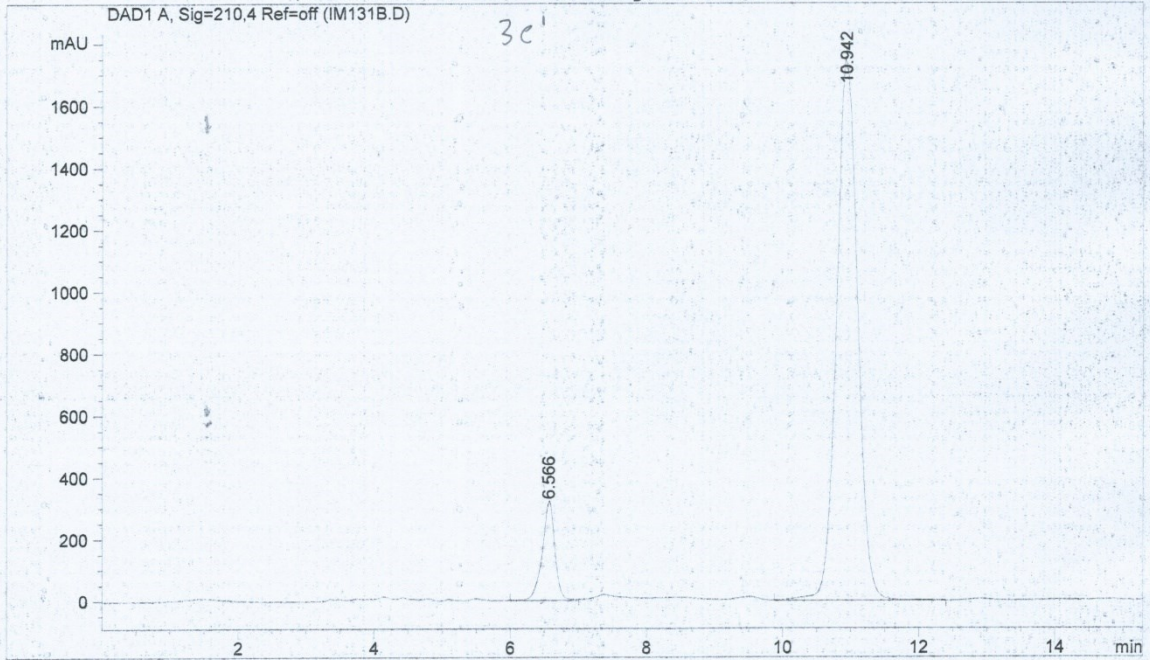
fr11-23 0'8 ml-m

```

=====
Injection Date   : 27/06/19 15.05.59
Sample Name     : im131b kr10ipa           Vial :    1
Acq. Operator  : 1
Acq. Method    : C:\HPCHEM\1\METHODS\CECE.M
Last changed   : 27/06/19 15.03.51 by 1
                (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed   : 27/06/19 15.25.35 by 1
                (modified after loading)
=====

```

TABLE 4 ENTRY 4



Area Percent Report

```

Sorted By      : Signal
Multiplier    : 1.0000
Dilution      : 1.0000

```

Signal 1: DAD1 A, Sig=210,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.566	BV	0.2361	4198.35449	313.80237	9.9705
2	10.942	VP	0.3533	3.79094e4	1719.00916	90.0295

Totals : 4.21078e4 2032.81152

Results obtained with enhanced integrator!

*** End of Report ***

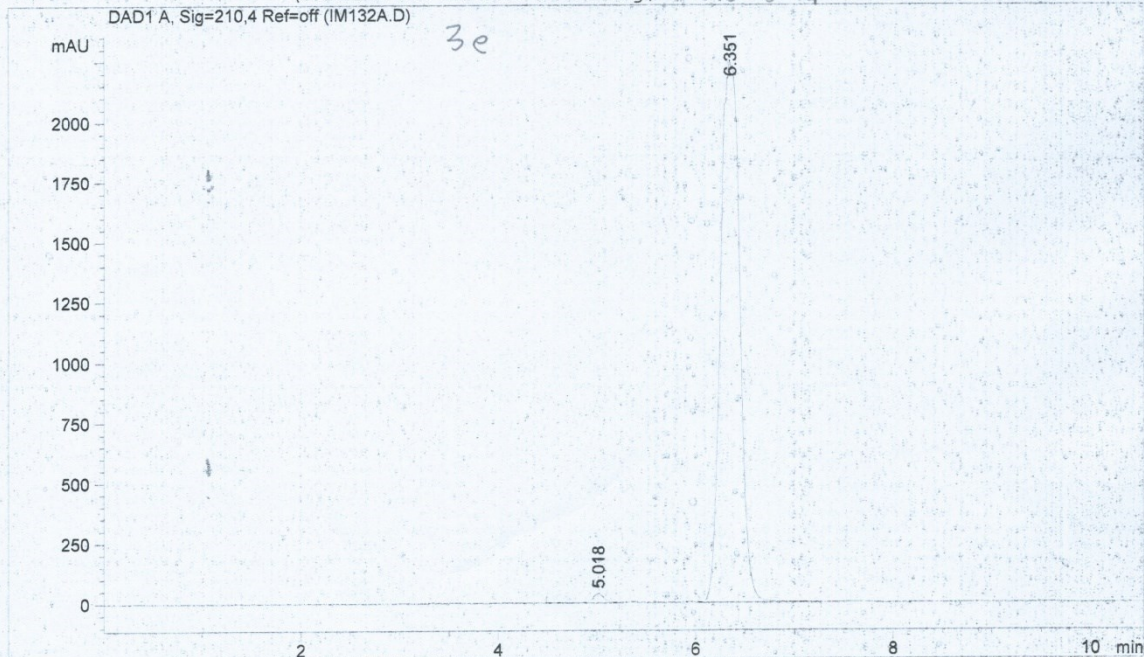
fr4-7 0'8 ml-m

```

=====
Injection Date   : 27/06/19 10.53.35
Sample Name     : im132a kr10ipa           Vial :    1
Acq. Operator  : 1
Acq. Method    : C:\HPCHEM\1\METHODS\CECE.M
Last changed   : 27/06/19 10.52.21 by 1
                (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed   : 27/06/19 11.09.08 by 1
                (modified after loading)
=====

```

TABLE 4 ENTRY 5



```

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

```

```

Sorted By           :      Signal
Multiplier          :      1.0000
Dilution            :      1.0000

```

Signal 1: DAD1 A, Sig=210,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.018	VV	0.1312	328.00766	38.57288	1.0621
2	6.351	VV	0.2242	3.05557e4	2225.55713	98.9379

```
Totals :                      3.08837e4  2264.13000
```

Results obtained with enhanced integrator!

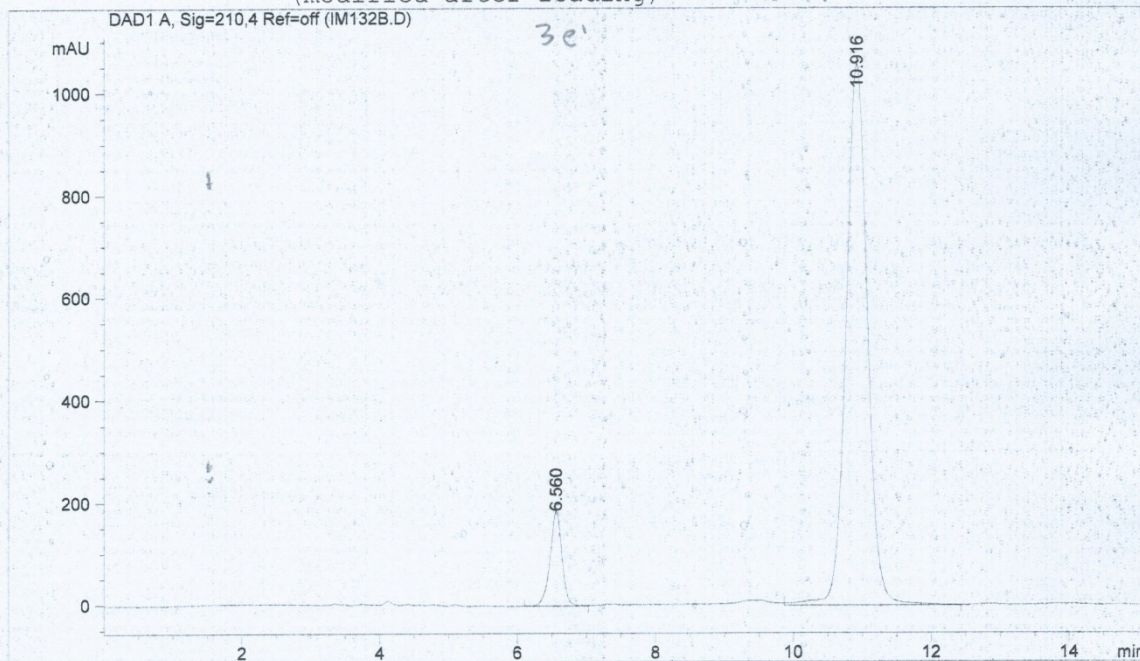
*** End of Report ***

fr8-19 0'8 ml-m

```

=====
Injection Date   : 27/06/19 15.27.50
Sample Name     : im132b kr10ipa           Vial :    1
Acq. Operator  : 1
Acq. Method    : C:\HPCHEM\1\METHODS\CECE.M
Last changed   : 27/06/19 15.25.35 by 1
                (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed   : 27/06/19 15.45.07 by 1
                (modified after loading)
    
```

TABLE 4 ENTRY 5



Area Percent Report

```

Sorted By      : Signal
Multiplier    : 1.0000
Dilution      : 1.0000
    
```

Signal 1: DAD1 A, Sig=210,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.560	BV	0.2118	2242.47217	176.98854	8.9123
2	10.916	VV	0.3509	2.29191e4	1048.93250	91.0877

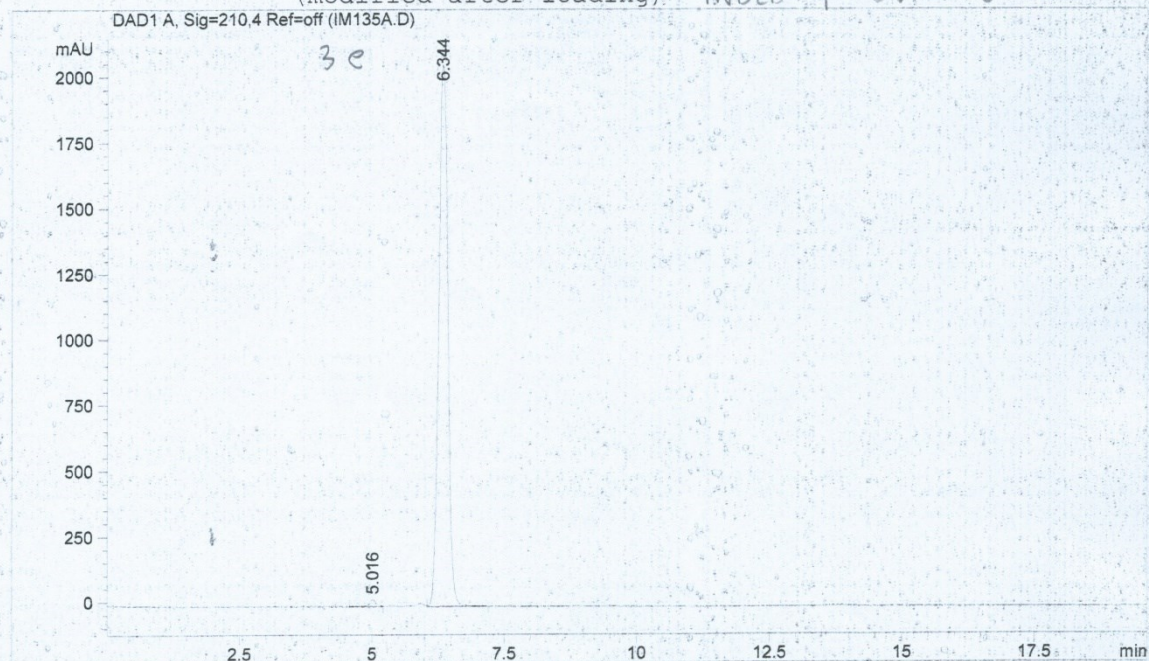
Totals : 2.51616e4 1225.92104

Results obtained with enhanced integrator!

*** End of Report ***

fr5-11 0'8 ml-m

=====
Injection Date : 27/06/19 10.28.00
Sample Name : im135a kr10ipa Vial : 1
Acq. Operator : 1
Acq. Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed : 27/06/19 10.10.15 by 1
(modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed : 27/06/19 10.49.56 by 1
(modified after loading) *TABLE 4 ENTRY 6*



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=210,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.016	BV	0.1426	251.93456	27.56786	1.0032
2	6.344	VV	0.1888	2.48621e4	2060.62988	98.9968

Totals : 2.51140e4 2088.19774

Results obtained with enhanced integrator!

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

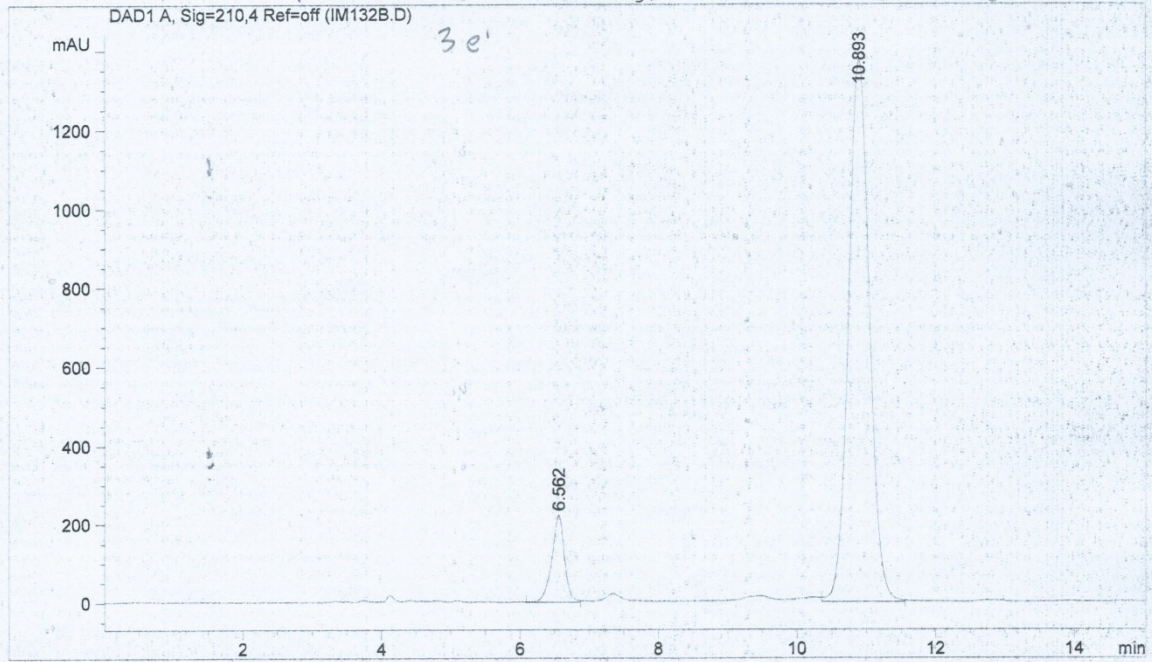
fr8-19 0'8 ml-m

```

=====
Injection Date : 27/06/19 15.46.56
Sample Name   : im132b kr10ipa           Vial : 1
Acq. Operator : 1
Method        : C:\HPCHEM\1\METHODS\CECE.M
Last changed  : 27/06/19 15.45.53 by 1
                (modified after loading)
=====

```

TABLE 4 ENTRY 6



Area Percent Report

```

Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000

```

Signal 1: DAD1 A, Sig=210,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.562	VV	0.1861	2848.50171	221.42374	8.9817
2	10.893	VV	0.2669	2.88660e4	1374.85510	91.0183

Totals : 3.17145e4 1596.27884

Results obtained with enhanced integrator!

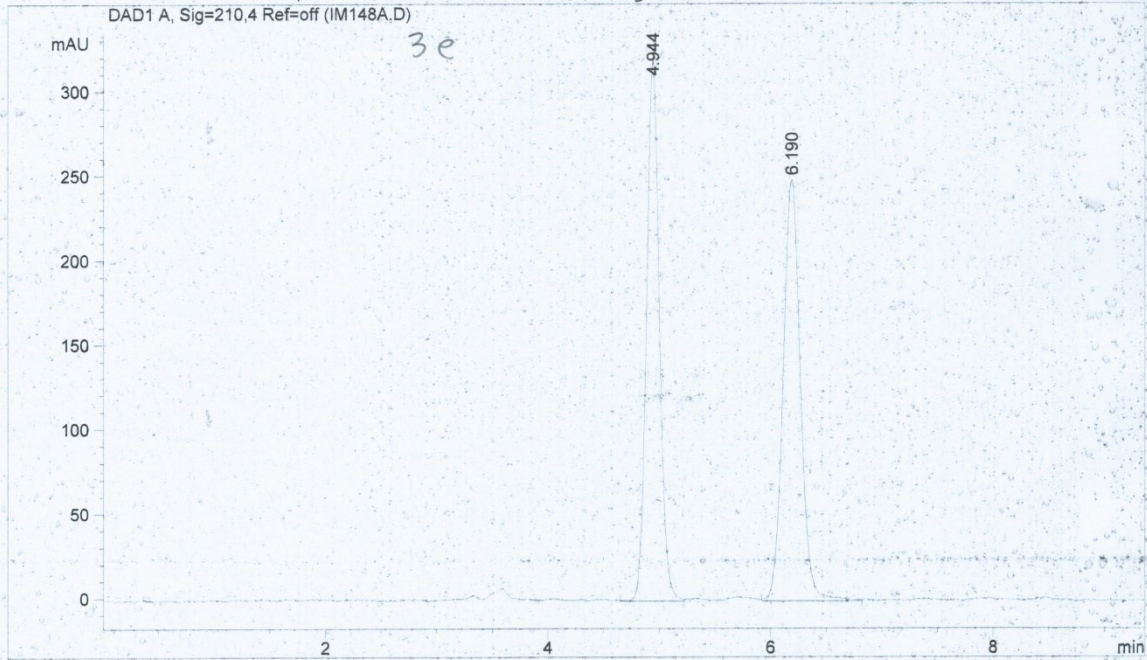
*** End of Report ***


```

=====
Injection Date   : 20/09/19 14.36.22
Sample Name     : im148a kr10ipa           Vial : 1
Acq. Operator   : 1
Method          : C:\HPCHEM\1\METHODS\CECE.M
Last changed    : 20/09/19 10.44.33 by 1
                  (modified after loading)
=====

```

TABLE 5 ENTRY 1



```

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

```

```

Sorted By       : Signal
Multiplier      : 1.0000
Dilution        : 1.0000

```

Signal 1: DAD1 A, Sig=210,4 Ref=off

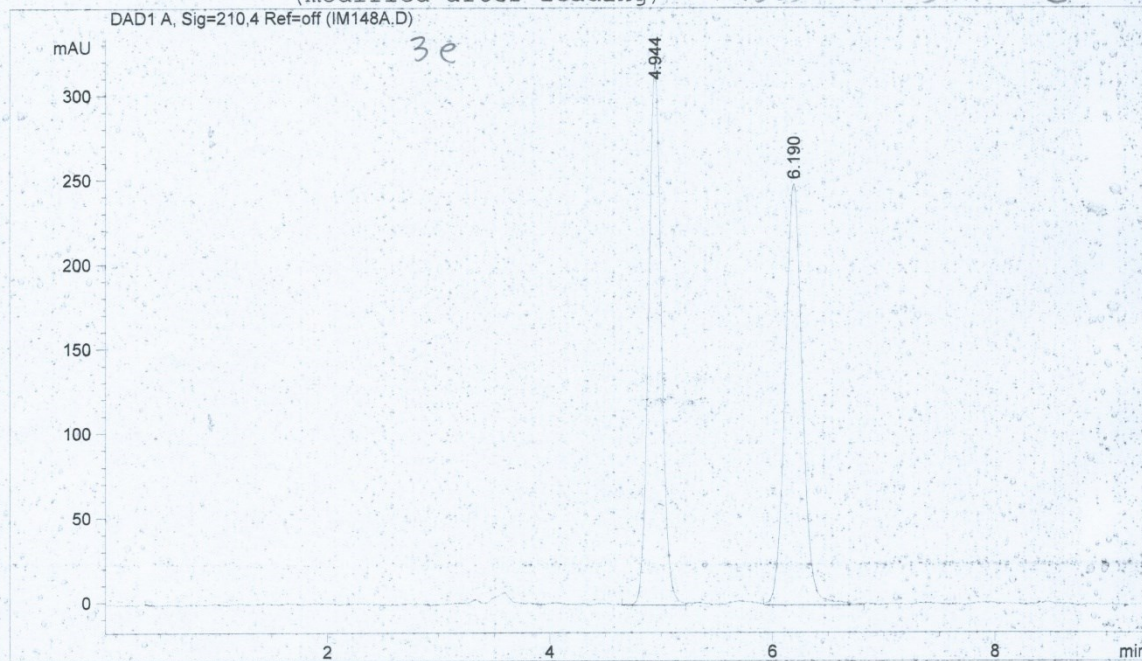
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	4.944	VV	0.1195	2564.90039	320.19781	48.8509
2	6.190	VV	0.1639	2685.57178	248.83321	51.1491

```
Totals :                5250.47217  569.03102
```

Results obtained with enhanced integrator!

*** End of Report ***

=====
Injection Date : 20/09/19 14.36.22
Sample Name : im148a kr10ipa Vial : 1
Acq. Operator : 1
Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed : 20/09/19 10.44.33 by 1
(modified after loading) **TABLE 5 ENTRY 1**



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=210,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	4.944	VV	0.1195	2564.90039	320.19781	48.8509
2	6.190	VV	0.1639	2685.57178	248.83321	51.1491

Totals : 5250.47217 569.03102

Results obtained with enhanced integrator!

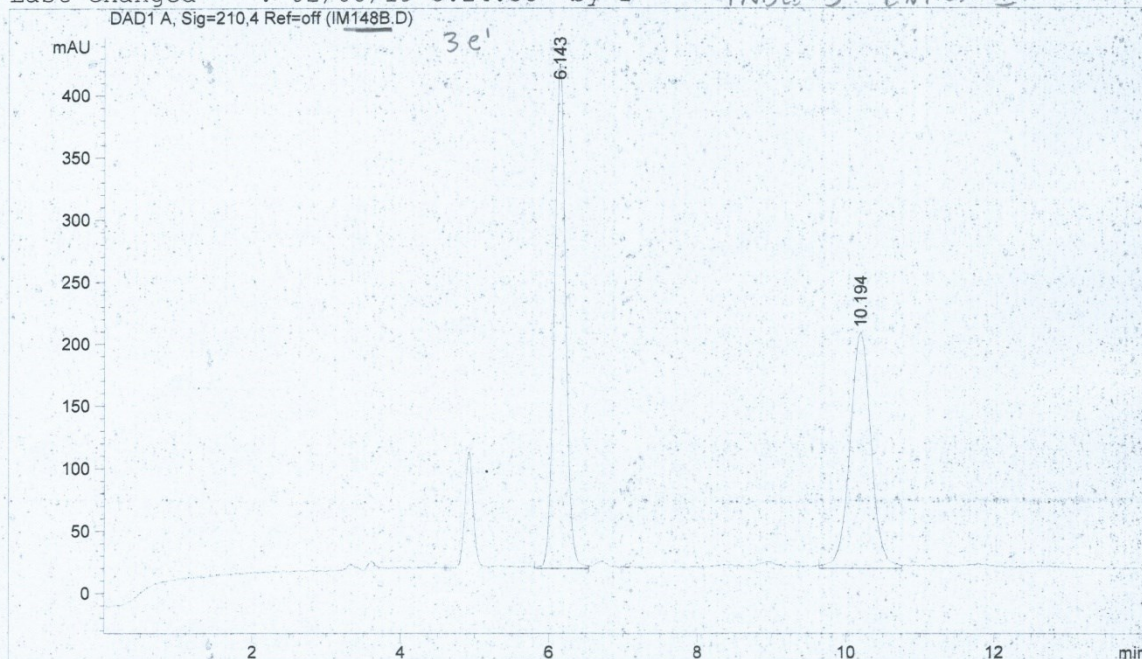
=====
*** End of Report ***


```

=====
Injection Date   : 03/10/19 10.51.12
Sample Name     : im150a kr10ipa           Vial : 1
Acq. Operator  : 1
Method         : C:\HPCHEM\1\METHODS\CECE.M
Last changed   : 02/08/19 8.24.58 by 1

```

TABLE 5 ENTRY 1



Area Percent Report

```

Sorted By      : Signal
Multiplier    : 1.0000
Dilution      : 1.0000

```

Signal 1: DAD1 A, Sig=210,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.143	VV	0.1614	4290.62256	405.53687	53.2600
2	10.194	VV	0.2965	3765.37646	188.91107	46.7400

Totals : 8055.99902 594.44794

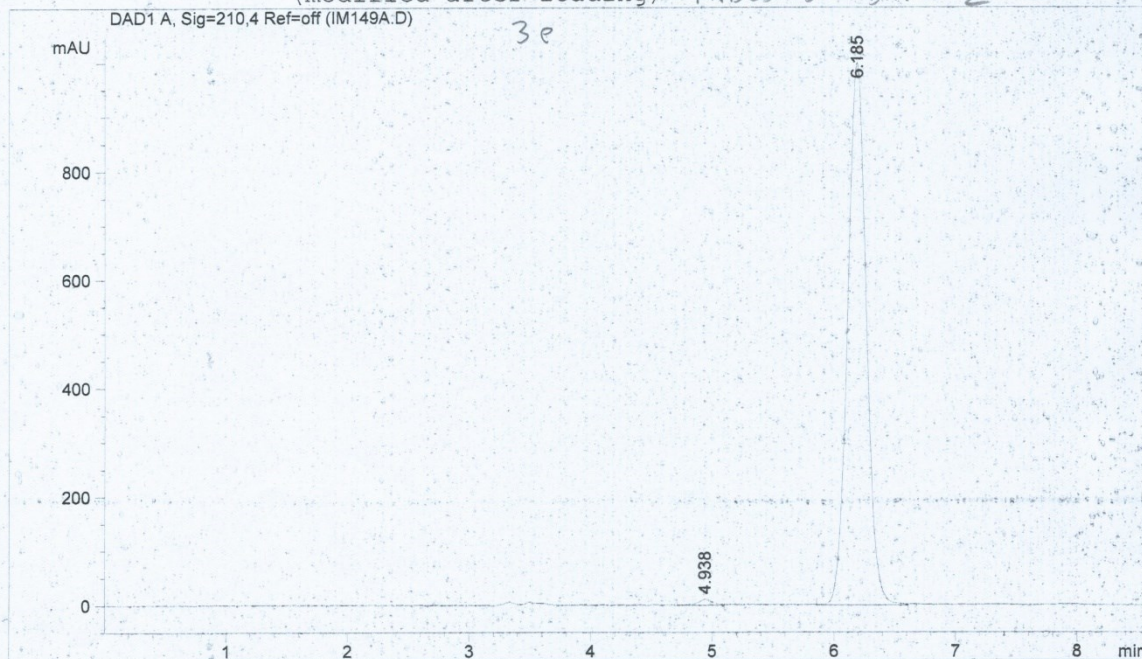
Results obtained with enhanced integrator!

*** End of Report ***


```

=====
Injection Date   : 20/09/19 14.53.46
Sample Name     : im149a kr10ipa           Vial : 1
Acq. Operator  : 1
Acq. Method    : C:\HPCHEM\1\METHODS\CECE.M
Last changed   : 20/09/19 14.52.45 by 1
                (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed   : 20/09/19 15.04.30 by 1
                (modified after loading)
    
```

TABLE 5 ENTRY 2



Area Percent Report

```

Sorted By      : Signal
Multiplier    : 1.0000
Dilution      : 1.0000
    
```

Signal 1: DAD1 A, Sig=210,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	4.938	VV	0.1227	101.26032	11.50448	0.9384
2	6.185	VV	0.1648	1.06896e4	999.59778	99.0616

Totals : 1.07908e4 1011.10226

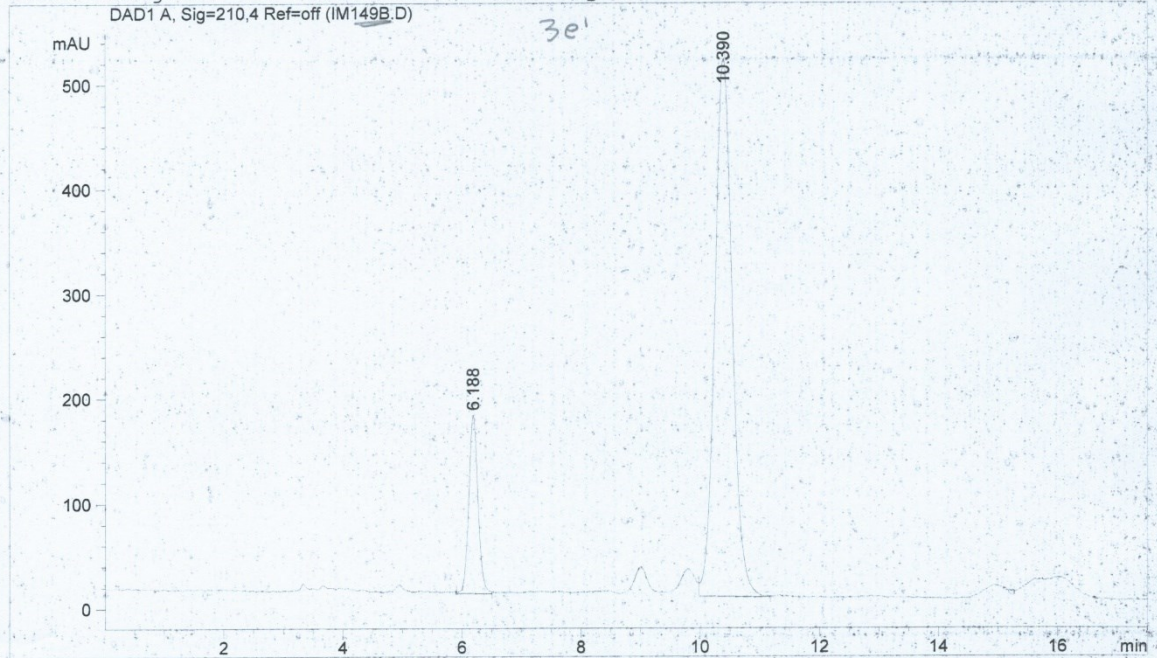
Results obtained with enhanced integrator!

*** End of Report ***

=====
Injection Date : 03/10/19 11.08.55
Sample Name : im150a kr10ipa
Acq. Operator : 1
Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed : 02/08/19 8.24.58 by 1

Vial : 1

TABLE 5 ENTRY 2



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=210,4 Ref=off

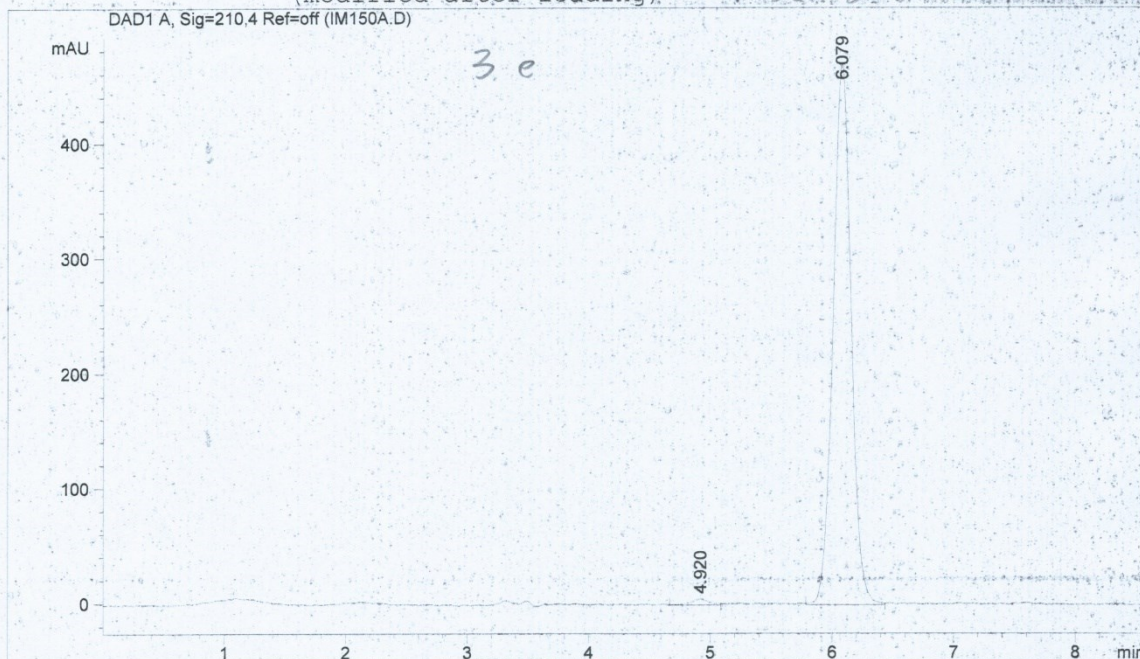
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.188	VV	0.1670	1816.95398	169.59091	14.8409
2	10.390	VV	0.3092	1.04259e4	512.76941	85.1591

Totals : 1.22429e4 682.36032

Results obtained with enhanced integrator!

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

=====
Injection Date : 20/09/19 15.17.32
Sample Name : im150a kr10ipa Vial : 1
Acq. Operator : 1
Acq. Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed : 20/09/19 15.04.30 by 1
(modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed : 20/09/19 15.27.54 by 1
(modified after loading).
TABLE 5 ENTRY 3



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=210,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	4.920	VV	0.1376	55.83516	5.35870	1.1355
2	6.079	VV	0.1587	4861.47998	469.95435	98.8645

Totals : 4917.31514 475.31304

Results obtained with enhanced integrator!

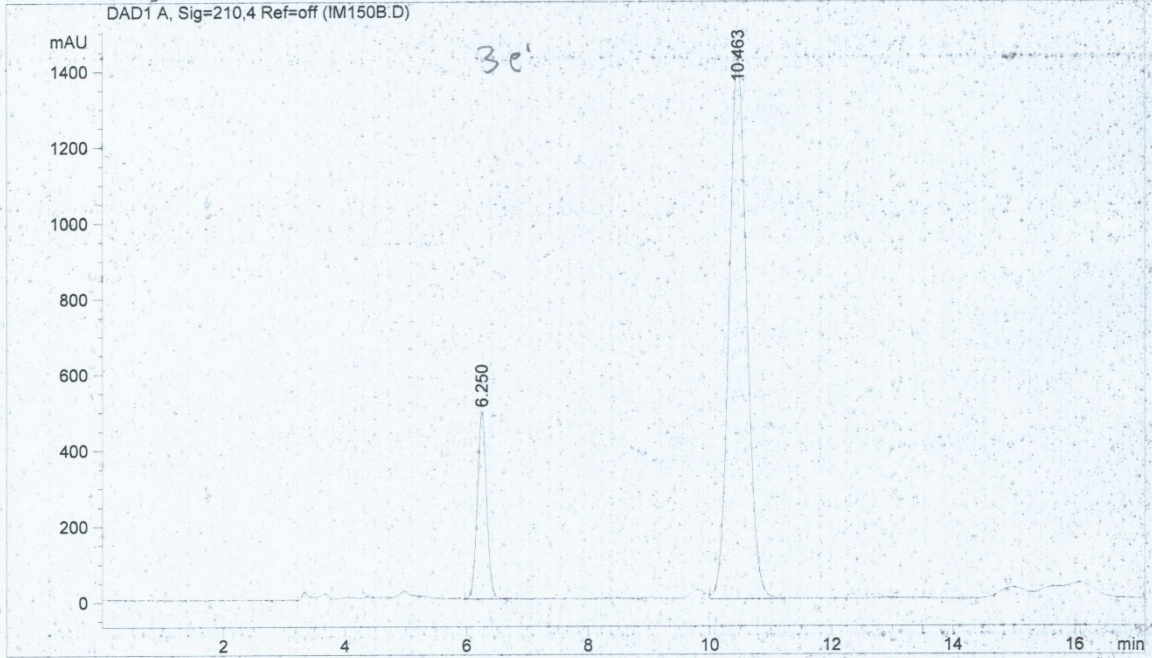
=====
*** End of Report ***


```

=====
Injection Date   : 03/10/19 11.30.16
Sample Name     : im150b kr10ipa           Vial :    1
Acq. Operator   : 1
Method          : C:\HPCHEM\1\METHODS\CECE.M
Last changed    : 02/08/19 8.24.58 by 1

```

TABLE 5 ENTRY 3



Area Percent Report

```

Sorted By      :      Signal
Multiplier    :      1.0000
Dilution      :      1.0000

```

Signal 1: DAD1 A, Sig=210,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.250	VV	0.1634	5282.56885	491.66080	15.3890
2	10.463	VV	0.2713	2.90444e4	1428.02686	84.6110

Totals : 3.43269e4 1919.68765

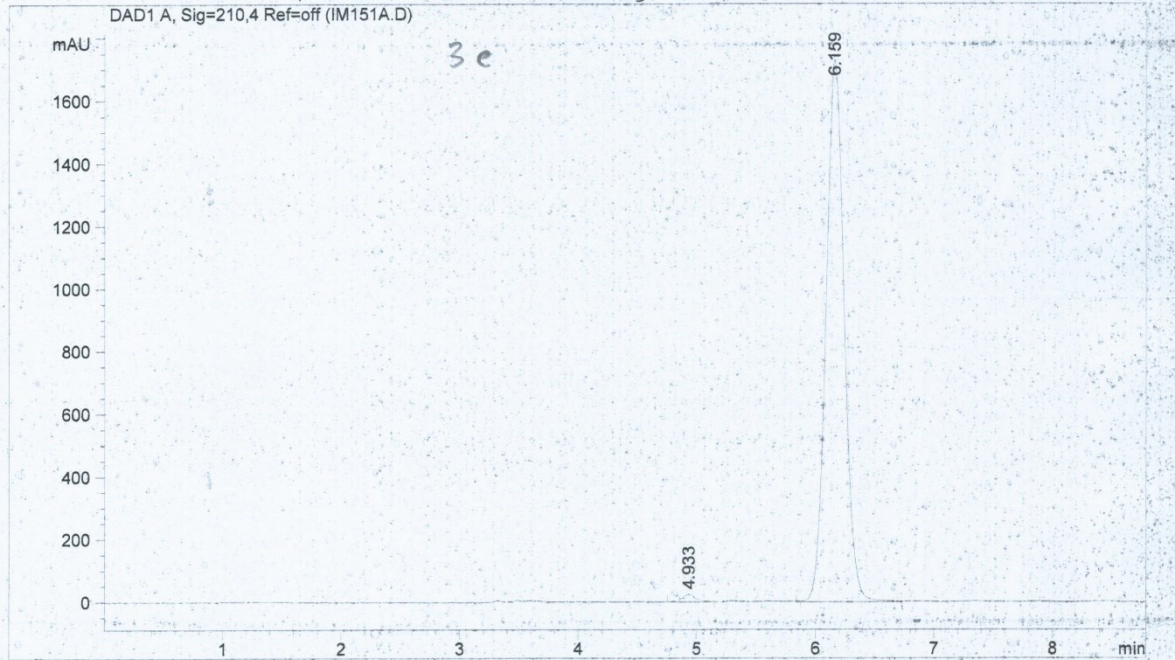
Results obtained with enhanced integrator!

*** End of Report ***

=====
Injection Date : 20/09/19 15.05.40
Sample Name : im151a kr10ipa
Acq. Operator : 1
Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed : 20/09/19 15.04.30 by 1
(modified after loading)

Vial : 1

TABLE 5 ENTRY 4



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=210,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	4.933	VV	0.1188	201.15071	25.28632	1.0770
2	6.159	VV	0.1666	1.84751e4	1730.34595	98.9230

Totals : 1.86762e4 1755.63227

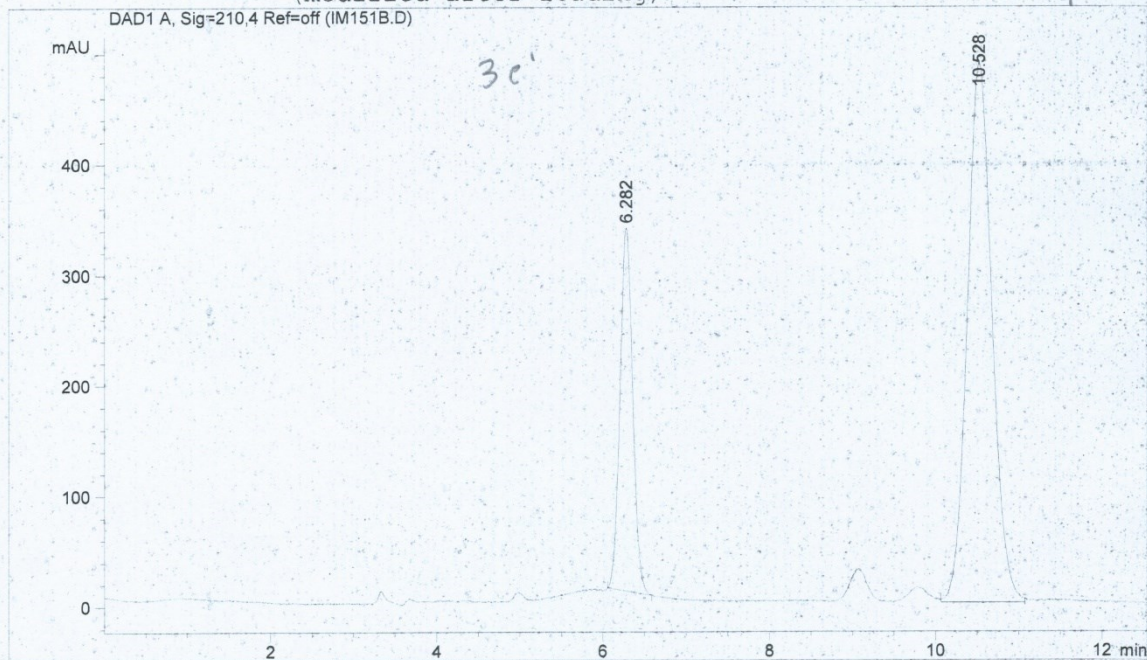
Results obtained with enhanced integrator!

*** End of Report ***

=====
Injection Date : 03/10/19 11.50.37
Sample Name : im151b kr10ipa
Acq. Operator : 1
Acq. Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed : 02/08/19 8.24.58 by 1
Analysis Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed : 03/10/19 12.09.05 by 1
(modified after loading)

Vial : 1

TABL 5 ENTRY 4



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=210,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.282	BBA	0.1598	3479.49243	327.91263	25.7601
2	10.528	VV	0.2875	1.00278e4	488.52579	74.2399

Totals : 1.35073e4 816.43842

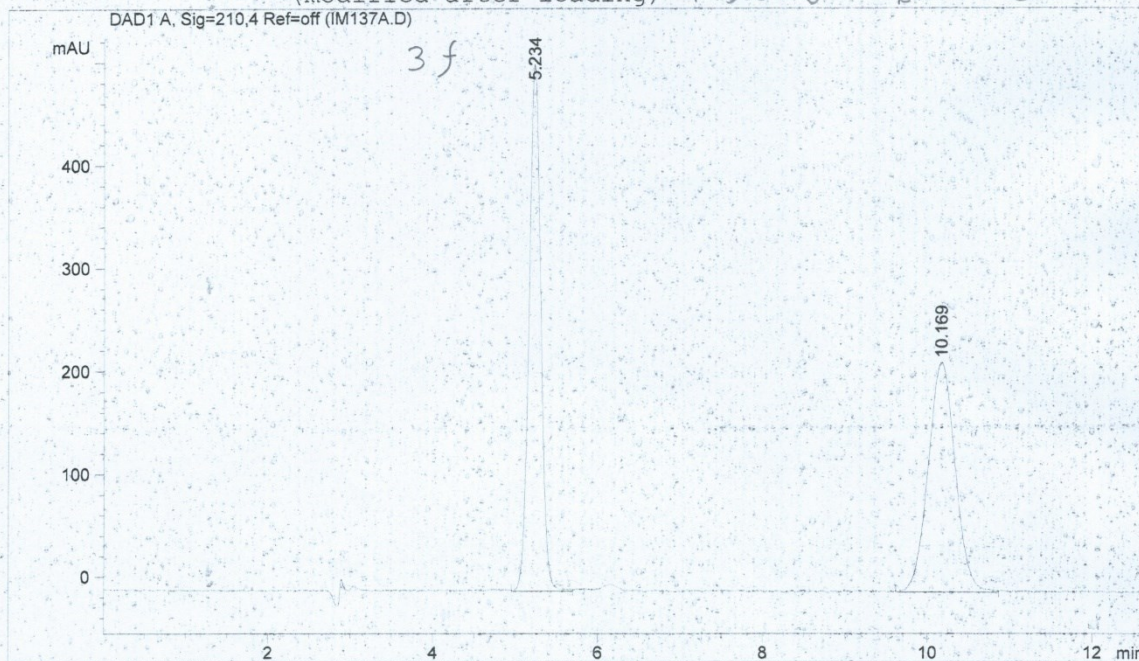
Results obtained with enhanced integrator!

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


```

=====
Injection Date   : 09/10/19 10.31.46
Sample Name     : im137A kr 10ipa           Vial :    1
Acq. Operator   : 1
Acq. Method     : C:\HPCHEM\1\METHODS\CECE.M
Last changed    : 09/10/19 10.24.05 by 1
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed    : 09/10/19 10.46.22 by 1
                  (modified after loading)
    
```

TABLE 6 ENTRY 1



Area Percent Report

```

Sorted By      : Signal
Multiplier    : 1.0000
Dilution      : 1.0000
    
```

Signal 1: DAD1 A, Sig=210,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.234	VV	0.1520	5087.54736	511.58527	49.9008
2	10.169	VV	0.3358	5107.77490	222.55507	50.0992

Totals : 1.01953e4 734.14034

Results obtained with enhanced integrator!

*** End of Report ***

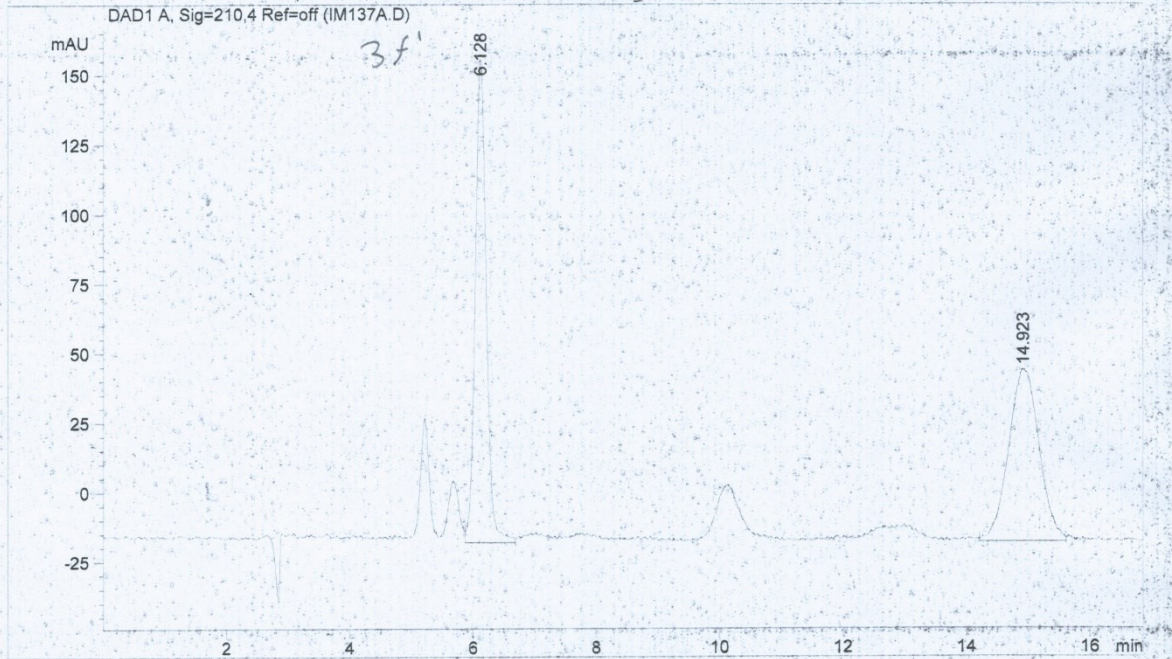
B

```

=====
Injection Date   : 09/10/19 10.50.10
Sample Name     : im137A kr 10ipa           Vial :    1
Acq. Operator   : 1
Acq. Method     : C:\HPCHEM\1\METHODS\CECE.M
Last changed    : 09/10/19 10.46.22 by 1
                  (modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed    : 09/10/19 11.08.14 by 1
                  (modified after loading)
=====

```

TABLE 6 ENTRY 1



```

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

```

```

Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000

```

Signal 1: DAD1 A, Sig=210,4 Ref=off

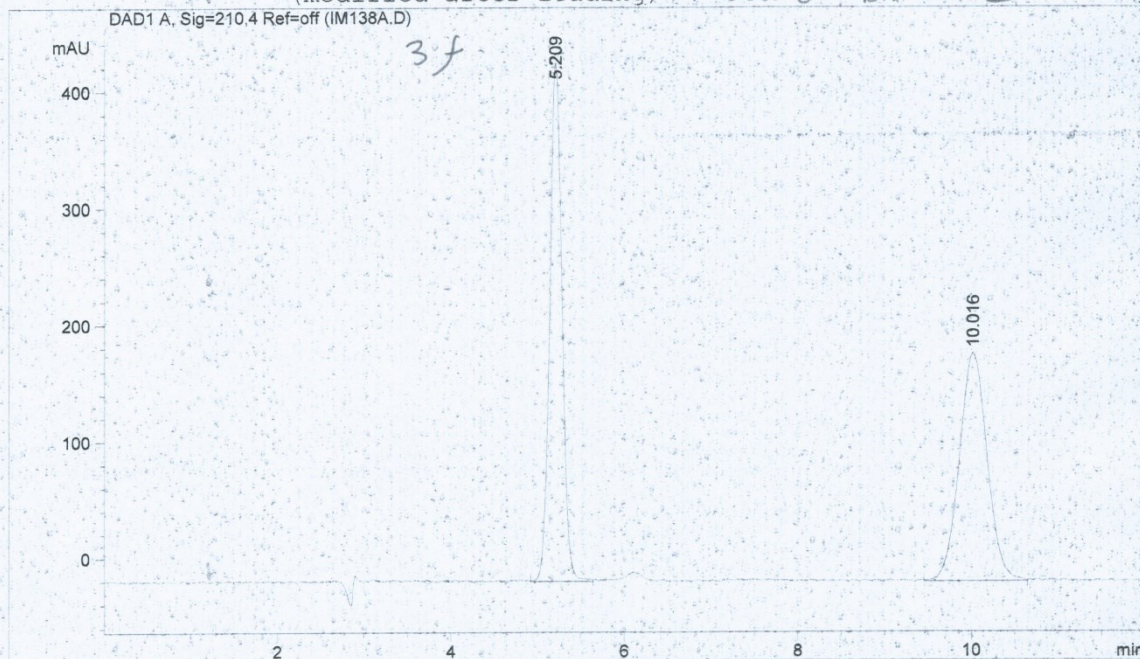
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.128	VV	0.1973	2160.35645	173.43279	50.3545
2	14.923	VV	0.4329	2129.94067	61.36561	49.6455

```
Totals :                4290.29712  234.79839
```

Results obtained with enhanced integrator!

*** End of Report ***

=====
Injection Date : 09/10/19 11.11.15
Sample Name : im138A kr 10ipa Vial : 1
Acq. Operator : 1
Acq. Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed : 09/10/19 11.08.14 by 1
(modified after loading)
Analysis Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed : 09/10/19 11.24.14 by 1
(modified after loading) **TABLE 6 ENTRY 2**



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=210,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.209	VV	0.1530	4374.18848	443.88419	50.0081
2	10.016	VV	0.2966	4372.76660	195.79478	49.9919

Totals : 8746.95508 639.67897

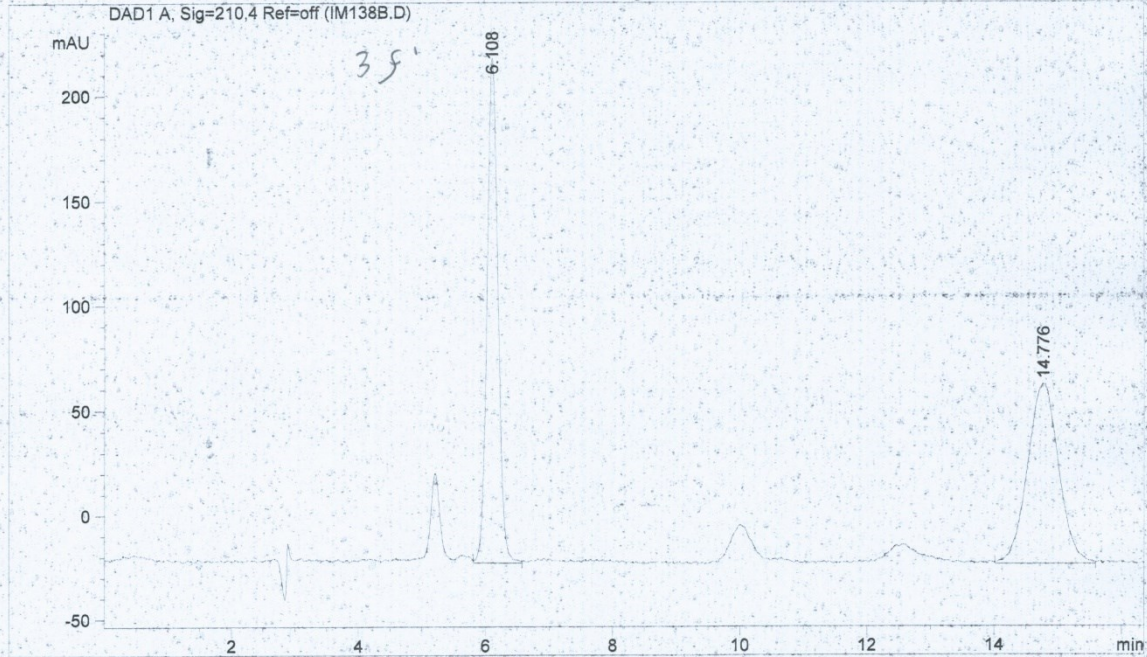
Results obtained with enhanced integrator!

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


```

=====
Injection Date   : 09/10/19 11.25.36
Sample Name     : im138B kr 10ipa           Vial : 1
Acq. Operator   : 1
Method          : C:\HPCHEM\1\METHODS\CECE.M
Last changed    : 09/10/19 11.24.14 by 1
                  (modified after loading)
    
```

TABLE 6 ENTRY 2



Area Percent Report

```

Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
    
```

Signal 1: DAD1 A, Sig=210,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.108	VV	0.1795	2877.52539	240.62816	49.5786
2	14.776	VV	0.4112	2926.43872	85.52875	50.4214

Totals : 5803.96411 326.15691

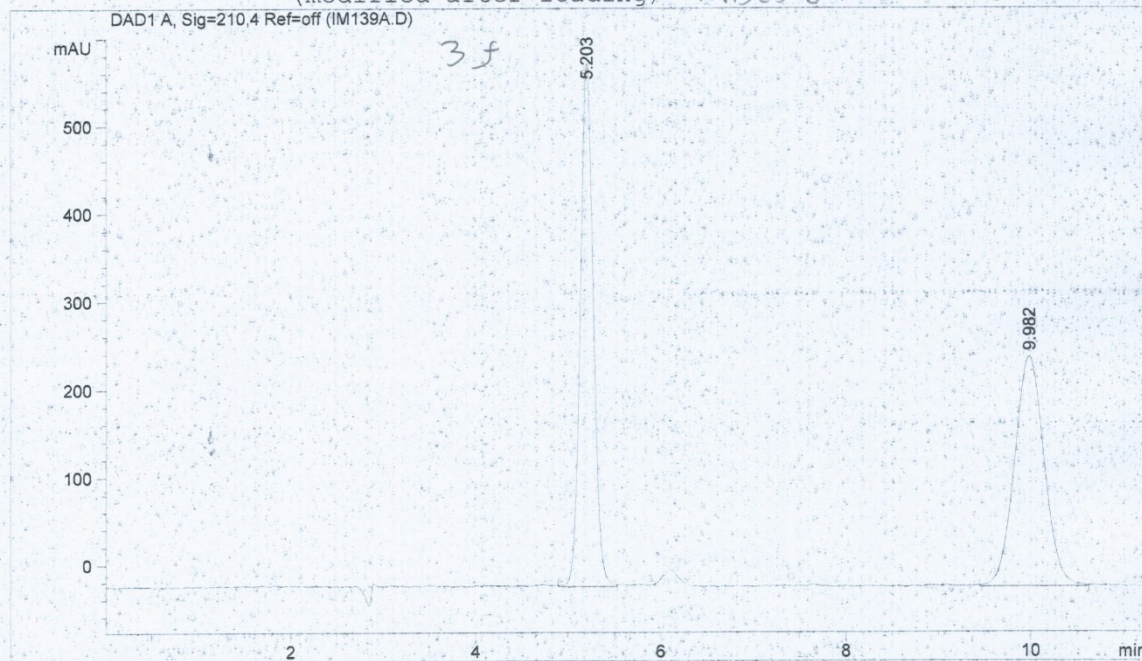
Results obtained with enhanced integrator!

*** End of Report ***


```

=====
Injection Date   : 09/10/19 11.44.02
Sample Name     : im139A kr 10ipa           Vial :    1
Acq. Operator   : 1
Method          : C:\HPCHEM\1\METHODS\CECE.M
Last changed    : 09/10/19 11.24.14 by 1
                  (modified after loading)
    
```

TABLE 6 ENTRY 3



Area Percent Report

```

Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
    
```

Signal 1: DAD1 A, Sig=210,4 Ref=off

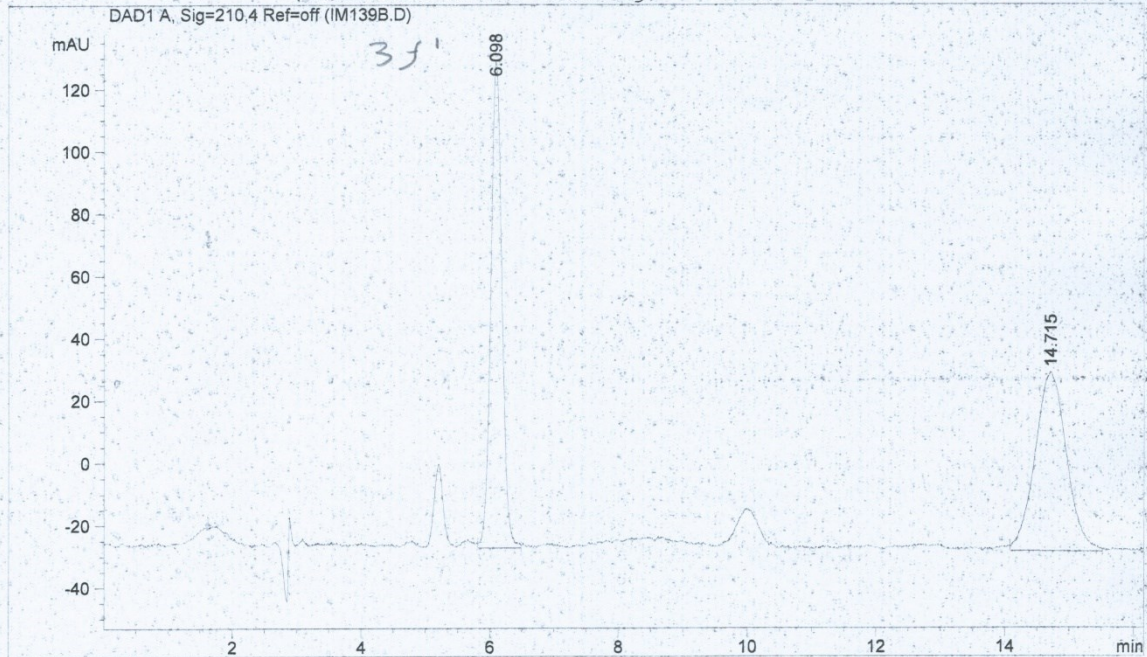
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	5.203	VV	0.1504	5839.23828	595.65338	49.8522
2	9.982	VV	0.3209	5873.85596	262.67551	50.1478

Totals : 1.17131e4 858.32889

Results obtained with enhanced integrator!

*** End of Report ***

=====
Injection Date : 09/10/19 11.57.06
Sample Name : im139B kr 10ipa Vial : 1
Acq. Operator : 1
Method : C:\HPCHEM\1\METHODS\CECE.M
Last changed : 09/10/19 11.24.14 by 1
(modified after loading) TABLE 6 ENTRY 3
=====



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

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=210,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.098	VV	0.1817	1874.77197	156.57124	49.0483
2	14.715	VV	0.4084	1947.52405	57.32010	50.9517

Totals : 3822.29602 213.89135

Results obtained with enhanced integrator!

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