

Supplementary Information

Table of Contents.

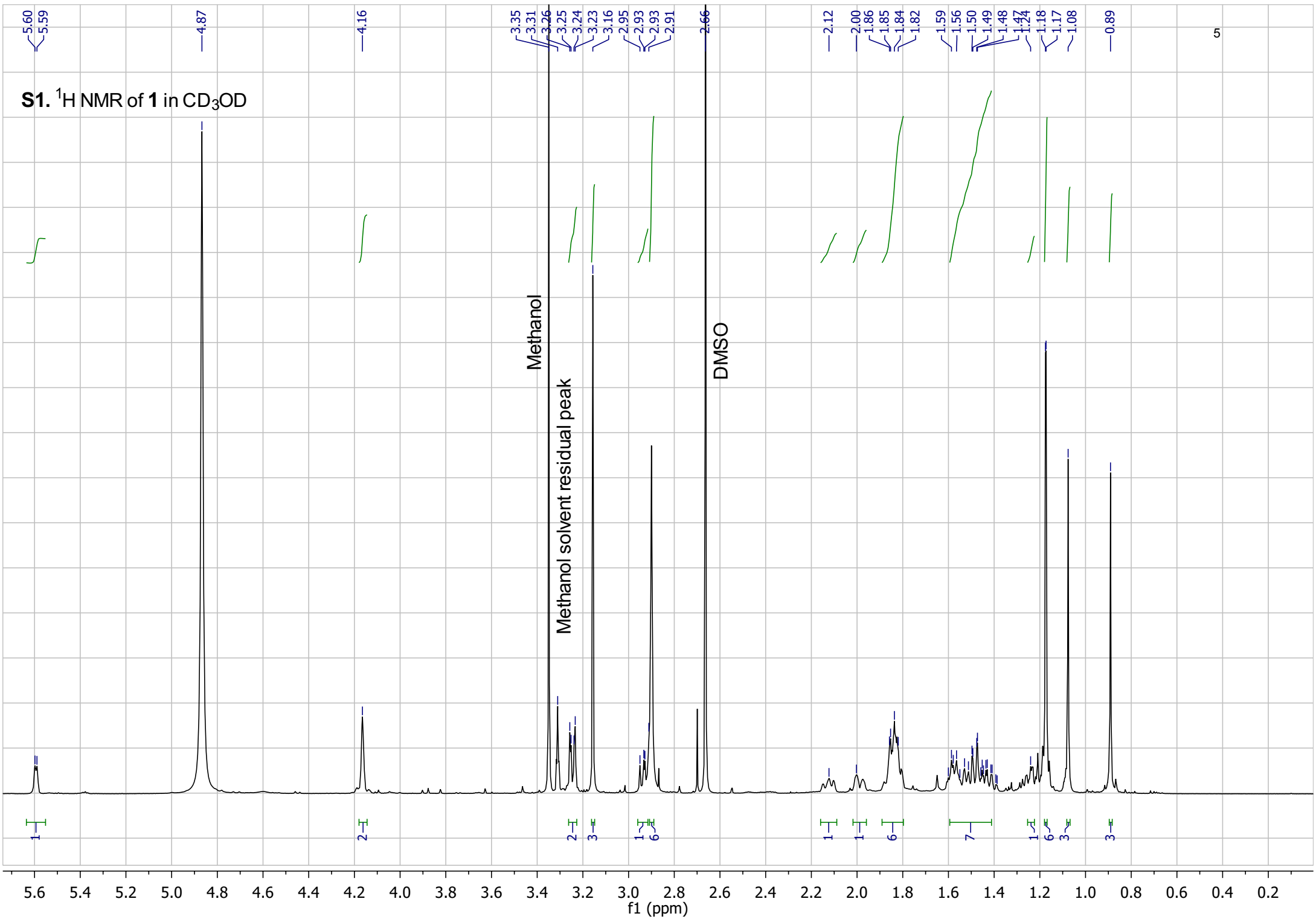
	Page No
Compound 1 : (4 <i>R</i> *,5 <i>R</i> *,9 <i>S</i> *,10 <i>R</i> *,11 <i>Z</i>)-4-methoxy-12,15-epoxy-11(13)-en-9-((dimethylamino)-methyl)-decadehydronaphthalen-16-ol.	
Compound 2 : (1 <i>R</i> *,2 <i>R</i> *,4 <i>S</i> *,15 <i>E</i>)-loba-8,10,13(14),15(16)-tetraen-17,18-diol-17-acetate	
Figure S1. ¹ H NMR spectrum (300 MHz) of (1) in CD ₃ OD.....	5
Figure S2. ¹³ C NMR spectrum (75 MHz) of (1) in CD ₃ OD.....	6
Figure S3. DEPT spectrum (75 MHz) of (1) in CD ₃ OD.....	7
Figure S4. COSY spectrum (300 MHz) of (1) in CD ₃ OD.....	8
Figure S5. HSQC spectrum (300 MHz) of (1) in CD ₃ OD.	9
Figure S6. HMBC spectrum (300 MHz) of (1) in CD ₃ OD.....	10
Figure S7. Selective NOESY spectrum (300 MHz; 4.16 ppm) of (1) in CD ₃ OD	11
Figure S8. Selective NOESY spectrum (300 MHz; 3.25 ppm) of (1) in CD ₃ OD	12
Figure S9. Selective NOESY spectrum (300 MHz; 3.16 ppm) of (1) in CD ₃ OD	13
Figure S10. Selective NOESY spectrum (300 MHz; 1.08 ppm) of (1) in CD ₃ OD	14
Figure S11. Selective NOESY spectrum (300 MHz; 0.89 ppm) of (1) in CD ₃ OD	15
Figure S12. ¹ H NMR spectrum (300 MHz) of (2) in CD ₃ OD.....	16
Figure S13. ¹³ C NMR spectrum (75 MHz) of (2) in CD ₃ OD.....	17
Figure S14. DEPT spectrum (75 MHz) of (2) in CD ₃ OD.....	18
Figure S15. COSY spectrum (300 MHz) of (2) in CD ₃ OD.....	19
Figure S16. HSQC spectrum (300 MHz) of (2) in CD ₃ OD.	20
Figure S17. HMBC spectrum (300 MHz) of (2) in CD ₃ OD.....	21

Figure S18. Selective NOESY spectrum (300 MHz; 5.14 ppm) of (2) in CD ₃ OD	22
Figure S19. Selective NOESY spectrum (300 MHz; 2.31 ppm) of (2) in CD ₃ OD	23
Figure S20. Selective NOESY spectrum (300 MHz; 2.09 ppm) of (2) in CD ₃ OD	24
Figure S21. Selective NOESY spectrum (300 MHz; 1.71 ppm) of (2) in CD ₃ OD	25
Figure S22. Selective NOESY spectrum (300 MHz; 1.03 ppm) of (2) in CD ₃ OD	26
Scheme 1: Structures of known compounds isolated from <i>Sinularia</i> sp.	27
Figure S23. ¹ H NMR spectrum (300 MHz) of loba-8,10,13(15)-triene-16,17,18-triol in CD ₃ OD.....	28
Figure S24. ¹³ C NMR spectrum (75 MHz) of loba-8,10,13(15)-triene-16,17,18-triol in CD ₃ OD.....	29
Figure S25. DEPT spectrum (75 MHz) of loba-8,10,13(15)-triene-16,17,18-triol in CD ₃ OD.....	30
Figure S26. COSY spectrum (300 MHz) of loba-8,10,13(15)-triene-16,17,18-triol in CD ₃ OD.....	31
Figure S27. HSQC spectrum (300 MHz) of loba-8,10,13(15)-triene-16,17,18-triol in CD ₃ OD.	32
Figure S28. HMBC spectrum (300 MHz) of loba-8,10,13(15)-triene-16,17,18-triol in CD ₃ OD.....	33
Figure S29. Selective NOESY spectrum (300 MHz; 4.65 ppm) of loba-8,10,13(15)-triene-16,17,18-triol in CD ₃ OD	34
Figure S30. Selective NOESY spectrum (300 MHz; 3.15 ppm) of loba-8,10,13(15)-triene-16,17,18-triol in CD ₃ OD	35
Figure S31. Selective NOESY spectrum (300 MHz; 1.74 ppm) of loba-8,10,13(15)-triene-16,17,18-triol in CD ₃ OD	36
Figure S32. Selective NOESY spectrum (300 MHz; 1.71 ppm) of loba-8,10,13(15)-triene-16,17,18-triol in CD ₃ OD	37
Figure S33. Selective NOESY spectrum (300 MHz; 1.25 ppm) of loba-8,10,13(15)-triene-16,17,18-triol in CD ₃ OD	38
Figure S34. Selective NOESY spectrum (300 MHz; 1.23 ppm) of loba-8,10,13(15)-triene-16,17,18-triol in CD ₃ OD	39
Figure S35. Selective NOESY spectrum (300 MHz; 1.02 ppm) of loba-8,10,13(15)-triene-16,17,18-triol in CD ₃ OD	40
Table S1. ¹ H and ¹³ C NMR data (300 MHz and 75 MHz, CD ₃ OD) for loba-8,10,13(15)-triene-16,17,18-triol.....	41
Figure S36. ¹ H NMR spectrum (300 MHz) of lobatrienolide in CD ₃ OD.....	42
Figure S37. ¹³ C NMR spectrum (75 MHz) of lobatrienolide in CD ₃ OD.....	43
Figure S38. DEPT spectrum (75 MHz) of lobatrienolide in CD ₃ OD.....	44
Figure S39. COSY spectrum (75 MHz) of lobatrienolide in CD ₃ OD.....	45
Figure S40. HSQC spectrum (300 MHz) of lobatrienolide in CD ₃ OD.....	46
Figure S41. HMBC spectrum (300 MHz) of lobatrienolide in CD ₃ OD.....	47
Table S2. ¹ H and ¹³ C NMR data (300 MHz and 75 MHz, CD ₃ OD) for lobatrienolide.....	48
Figure S42. ¹ H NMR spectrum (300 MHz) of lobatrienolide in CD ₃ OD.....	49

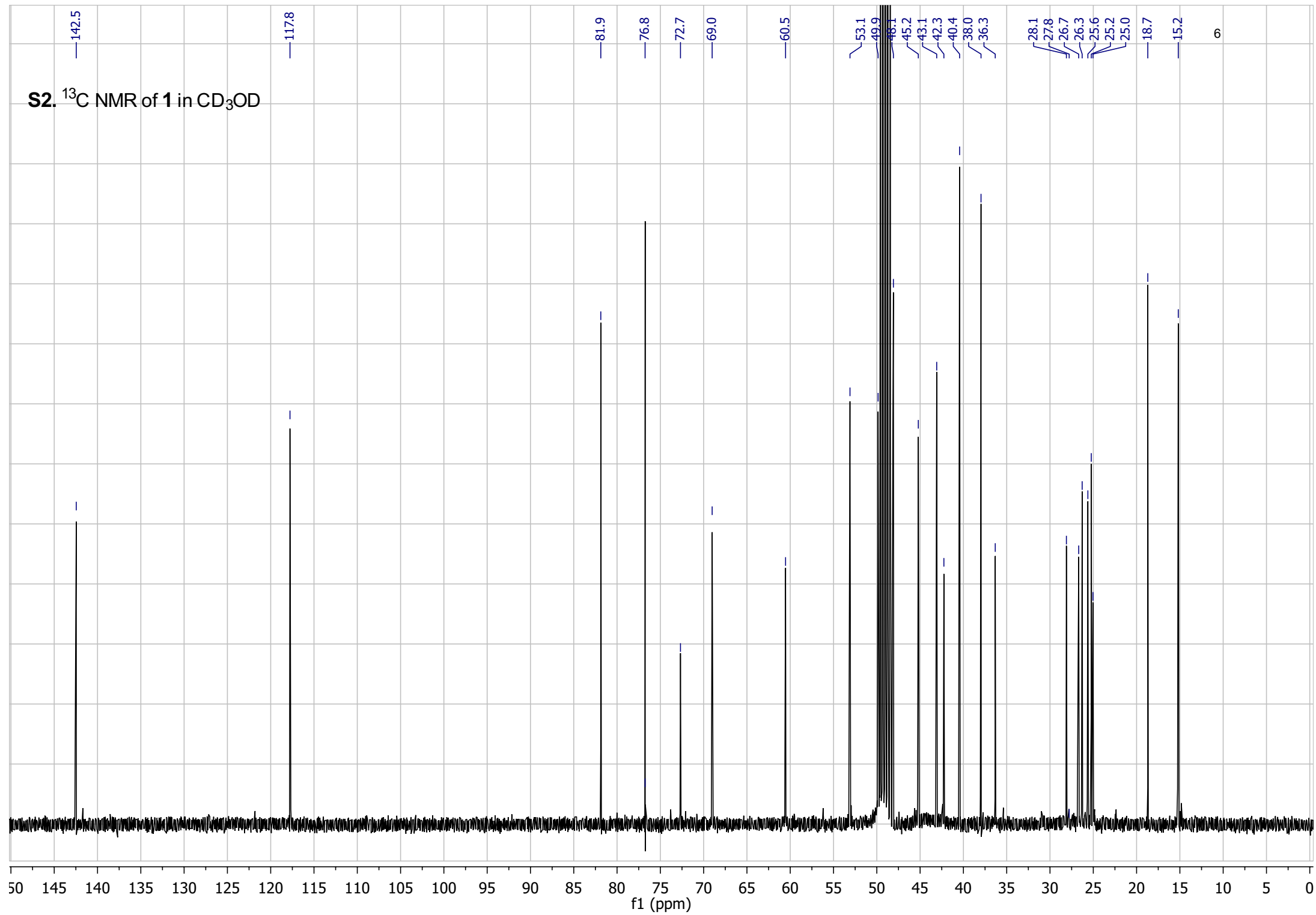
Figure S43. ^{13}C NMR spectrum (75 MHz) of lobatrientriol in CD_3OD	50
Figure S44. COSY spectrum (300 MHz) of lobatrientriol in CD_3OD	51
Figure S45. HSQC spectrum (300 MHz) of lobatrientriol in CD_3OD	52
Figure S46. HMBC spectrum (300 MHz) of lobatrientriol in CD_3OD	53
Table S3. ^1H and ^{13}C NMR data (300 MHz and 75 MHz, CDCl_3) for lobatrientriol.....	54
Figure S47. ^1H NMR spectrum (300 MHz) of 14,18-epoxyloba-8,10,13(15)-trien-17-ol in CD_3OD	55
Figure S48. ^{13}C NMR spectrum (75 MHz) of 14,18-epoxyloba-8,10,13(15)-trien-17-ol in CD_3OD	56
Figure S49. DEPT spectrum (75 MHz) of 14,18-epoxyloba-8,10,13(15)-trien-17-ol in CD_3OD	57
Figure S50. COSY spectrum (300 MHz) of 14,18-epoxyloba-8,10,13(15)-trien-17-ol in CD_3OD	58
Figure S51. HSQC spectrum (300 MHz) of 14,18-epoxyloba-8,10,13(15)-trien-17-ol in CD_3OD	59
Figure S52. HMBC spectrum (300 MHz) of 14,18-epoxyloba-8,10,13(15)-trien-17-ol in CD_3OD	60
Table S4. ^1H and ^{13}C NMR data (300 MHz and 75 MHz, CD_3OD) for 14,18-epoxyloba-8,10,13(15)-trien-17-ol.....	61
Figure S53. ^1H NMR spectrum (300 MHz) of 14,17-epoxyloba-8,10,13(15)-trien-18-ol-18-acetate in CD_3OD	62
Figure S54. ^{13}C NMR spectrum (75 MHz) of 14,17-epoxyloba-8,10,13(15)-trien-18-ol-18-acetate in CD_3OD	63
Figure S55. DEPT spectrum (75 MHz) of 14,17-epoxyloba-8,10,13(15)-trien-18-ol-18-acetate in CD_3OD	64
Figure S56. COSY spectrum (300 MHz) of 14,17-epoxyloba-8,10,13(15)-trien-18-ol-18-acetate in CD_3OD	65
Figure S57. HSQC spectrum (300 MHz) of 14,17-epoxyloba-8,10,13(15)-trien-18-ol-18-acetate in CD_3OD	66
Figure S58. HMBC spectrum (300 MHz) of 14,17-epoxyloba-8,10,13(15)-trien-18-ol-18-acetate in CD_3OD	67
Table S5. ^1H and ^{13}C NMR data (300 MHz and 75 MHz, CD_3OD) for 14,17-epoxyloba-8,10,13(15)-trien-18-ol-18-acetate.....	68
Figure S59. ^1H NMR spectrum (300 MHz) of (17 <i>R</i>)-loba-8,10,13(15)-trien-17,18-diol in CD_3OD	69
Figure S60. ^{13}C NMR spectrum (75 MHz) of (17 <i>R</i>)-loba-8,10,13(15)-trien-17,18-diol in CD_3OD	70
Figure S61. COSY spectrum (300 MHz) of (17 <i>R</i>)-loba-8,10,13(15)-trien-17,18-diol in CD_3OD	71
Figure S62. HSQC spectrum (300 MHz) of (17 <i>R</i>)-loba-8,10,13(15)-trien-17,18-diol in CD_3OD	72
Figure S63. HMBC spectrum (300 MHz) of (17 <i>R</i>)-loba-8,10,13(15)-trien-17,18-diol in CD_3OD	73
Table S6. ^1H and ^{13}C NMR data (300 MHz and 75 MHz, CD_3OD) for (17 <i>R</i>)-loba-8,10,13(15)-trien-17,18-diol	74
Figure S64. ^1H NMR spectrum (300 MHz) of sarcophytol-B in CD_3OD	75
Figure S65. ^{13}C NMR spectrum (75 MHz) of sarcophytol-B in CD_3OD	76
Figure S66. DEPT spectrum (75 MHz) of sarcophytol-B in CD_3OD	77

Figure S67. COSY spectrum (300 MHz) of sarcophytol-B in CD ₃ OD.....	78
Figure S68. HSQC spectrum (300 MHz) of sarcophytol-B in CD ₃ OD.....	79
Figure S69. HMBC spectrum (300 MHz) of sarcophytol-B in CD ₃ OD.....	80
Table S7. ¹ H and ¹³ C NMR data (300 MHz and 75 MHz, CD ₃ OD) for sarcophytol-B.....	81
Figure S70. ¹ H NMR spectrum (300 MHz) of (1 <i>E</i> ,3 <i>E</i> ,7 <i>E</i>)-11,12-epoxycebratrien-15-ol in CD ₃ OD.....	82
Figure S71. ¹³ C NMR spectrum (75 MHz) of 11(1 <i>E</i> ,3 <i>E</i> ,7 <i>E</i>)-11,12-epoxycebratrien-15-ol in CD ₃ OD.....	83
Figure S72. DEPT spectrum (75 MHz) of (1 <i>E</i> ,3 <i>E</i> ,7 <i>E</i>)-11,12-epoxycebratrien-15-ol in CD ₃ OD.....	84
Figure S73. COSY spectrum (300 MHz) of (1 <i>E</i> ,3 <i>E</i> ,7 <i>E</i>)-11,12-epoxycebratrien-15-ol in CD ₃ OD.....	85
Figure S74. HSQC spectrum (300 MHz) of (1 <i>E</i> ,3 <i>E</i> ,7 <i>E</i>)-11,12-epoxycebratrien-15-ol in CD ₃ OD.....	86
Figure S75. HMBC spectrum (300 MHz) of (1 <i>E</i> ,3 <i>E</i> ,7 <i>E</i>)-11,12-epoxycebratrien-15-ol in CD ₃ OD.....	87
Table S8. ¹ H and ¹³ C NMR data (300 MHz and 75 MHz, CD ₃ OD) for (1 <i>E</i> ,3 <i>E</i> ,7 <i>E</i>)-11,12-epoxycebratrien-15-ol.....	88

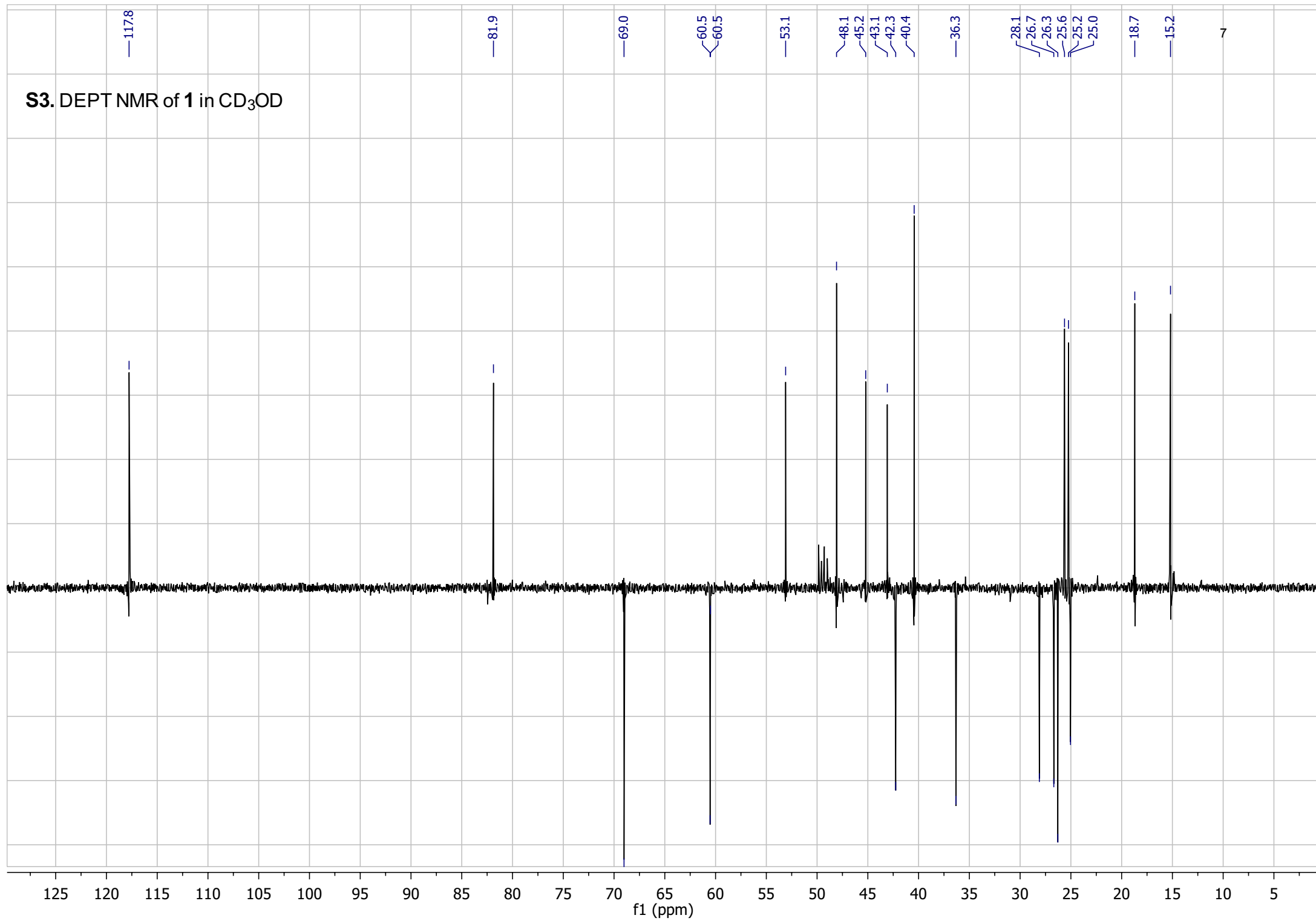
S1. ¹H NMR of 1 in CD₃OD



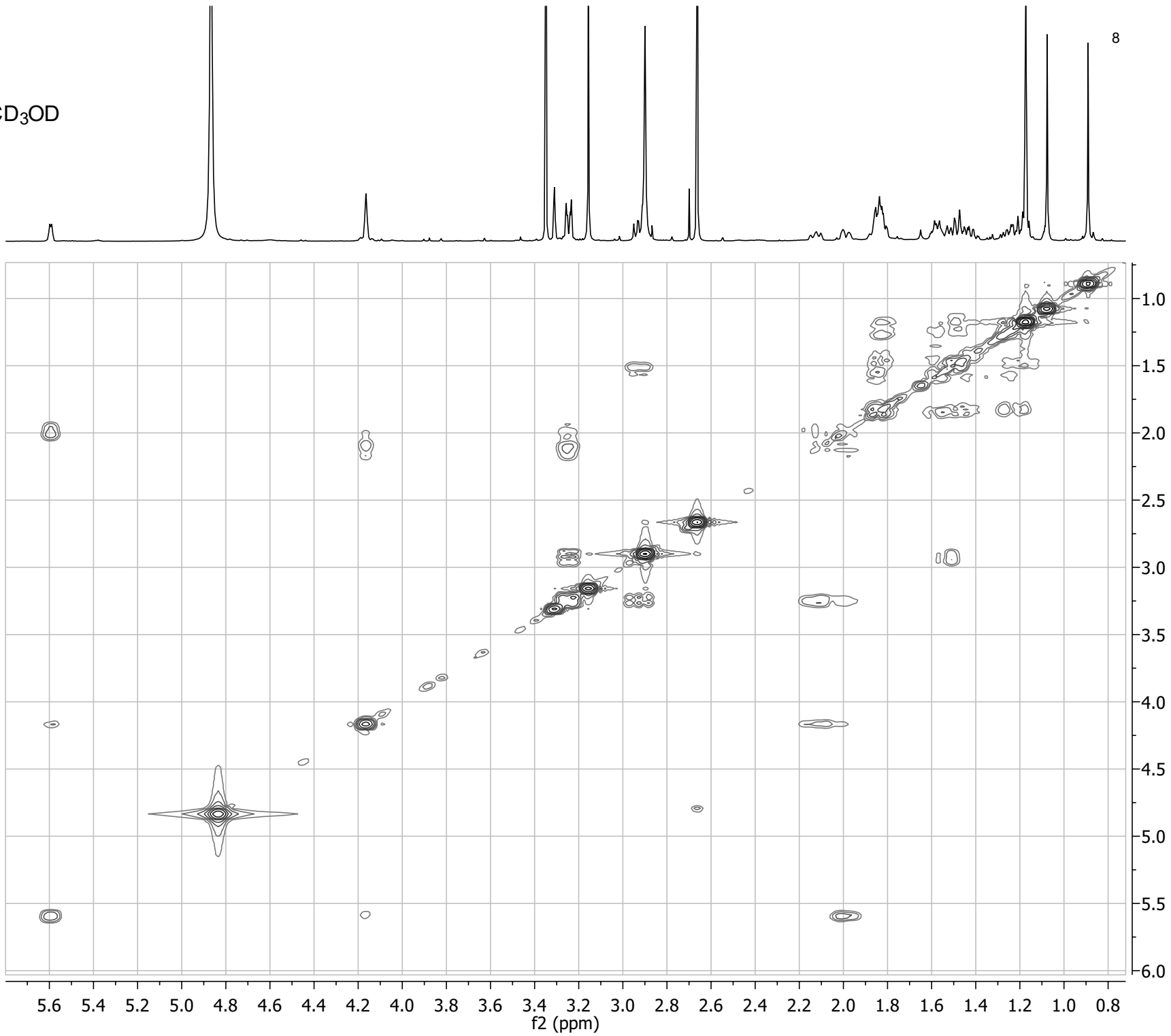
S2. ¹³C NMR of **1** in CD₃OD

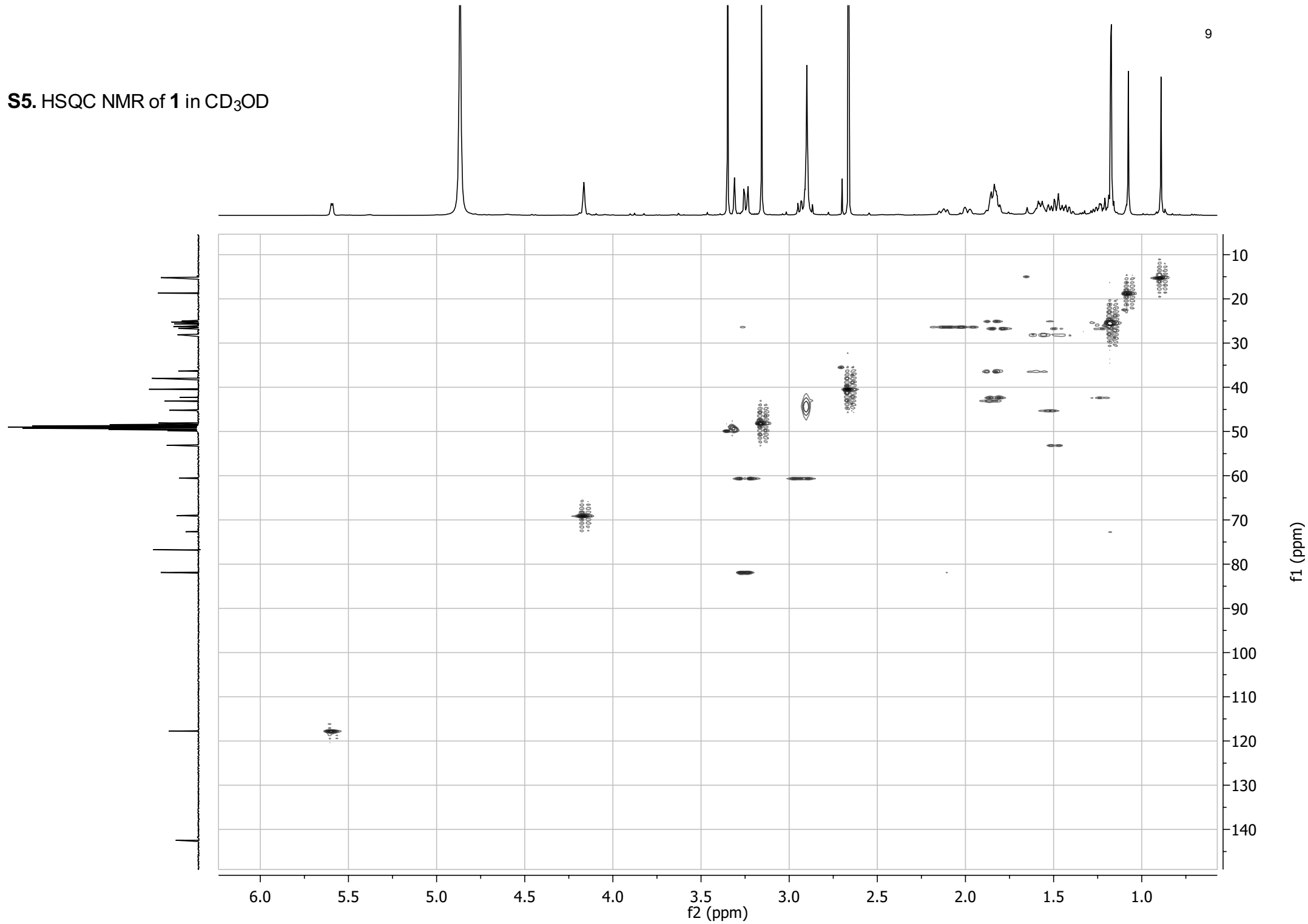


S3. DEPT NMR of 1 in CD₃OD

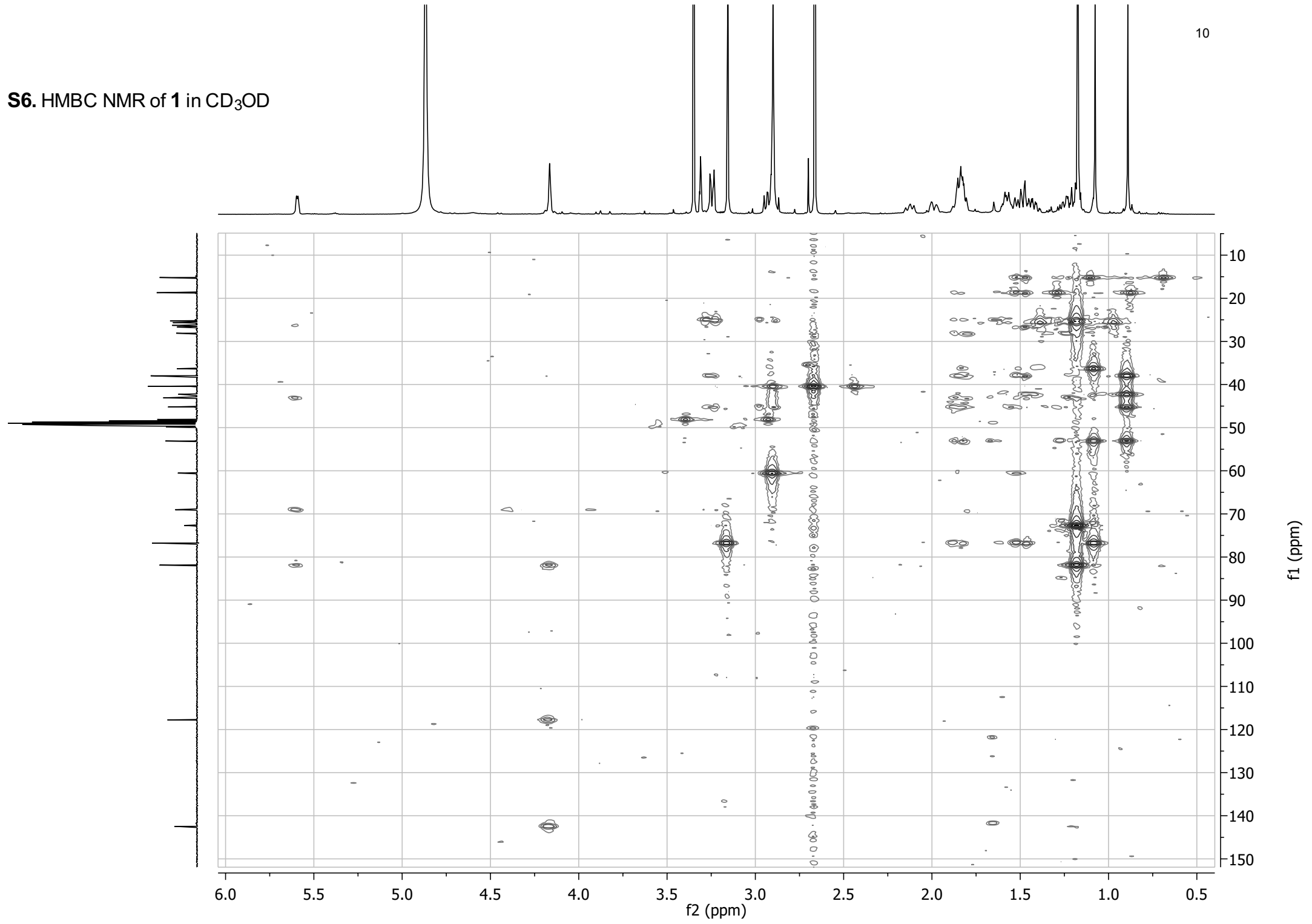


S4. COSY NMR of 1 in CD₃OD

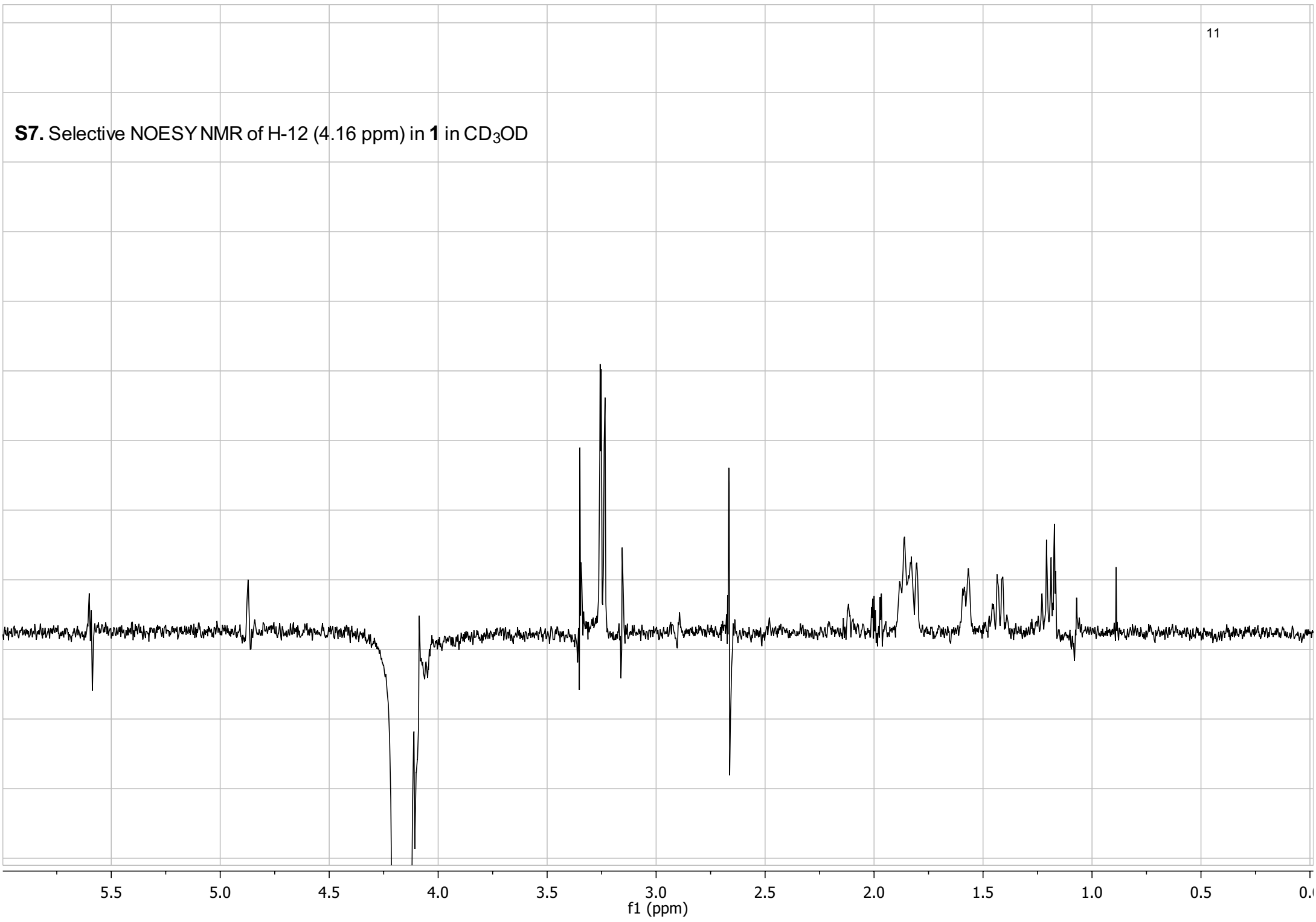


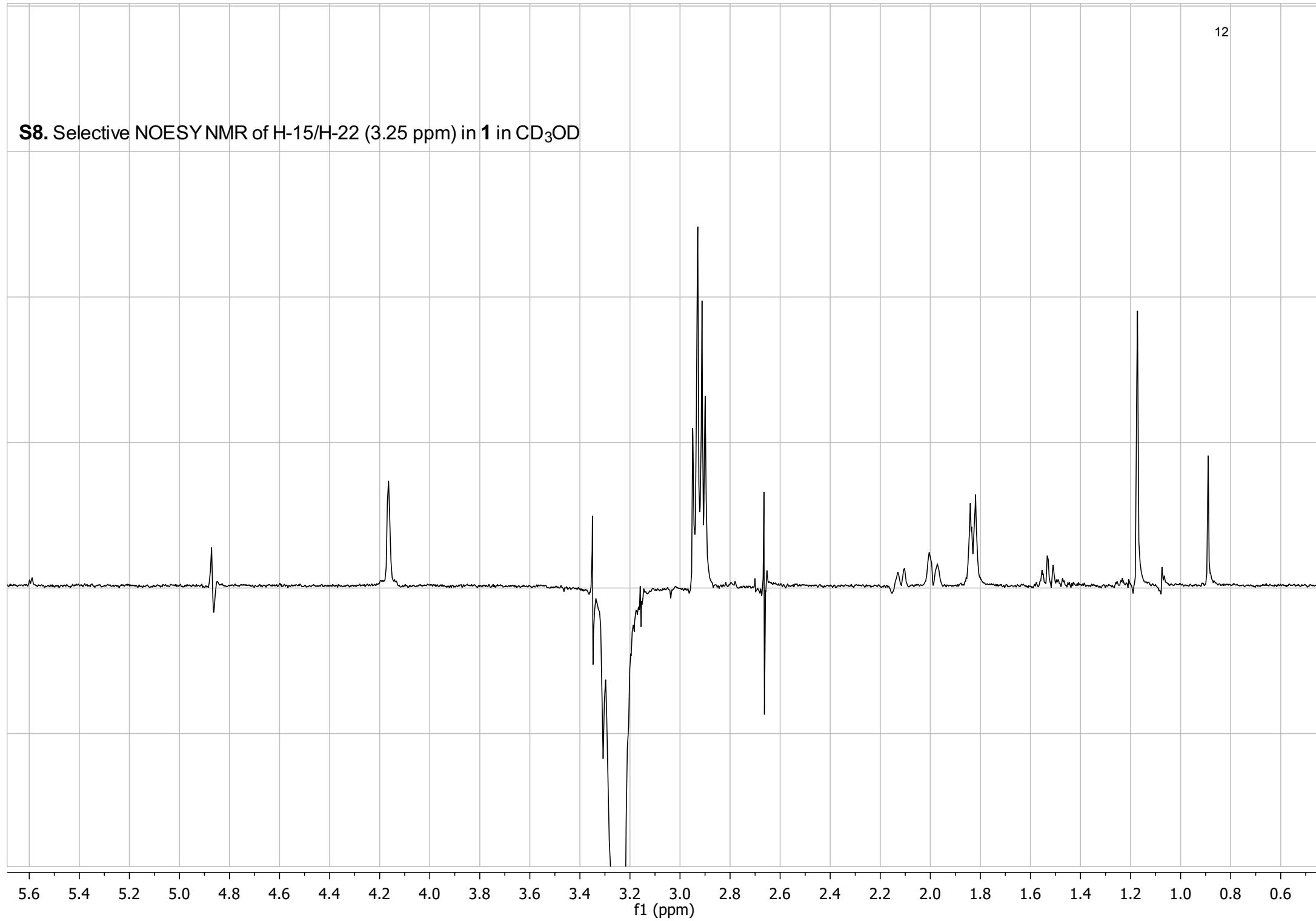
S5. HSQC NMR of **1** in CD₃OD

S6. HMBC NMR of 1 in CD₃OD

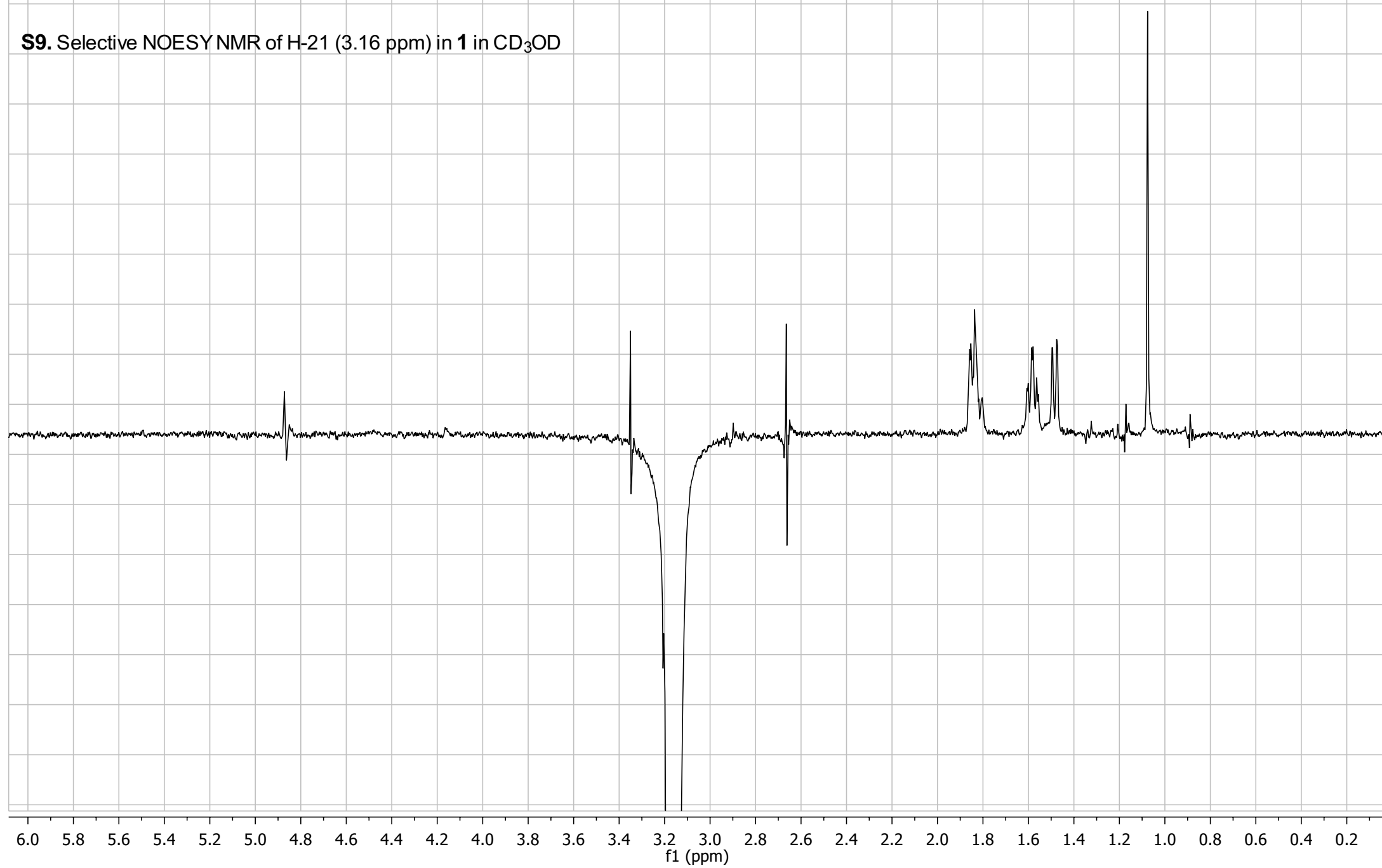


S7. Selective NOESY NMR of H-12 (4.16 ppm) in **1** in CD₃OD

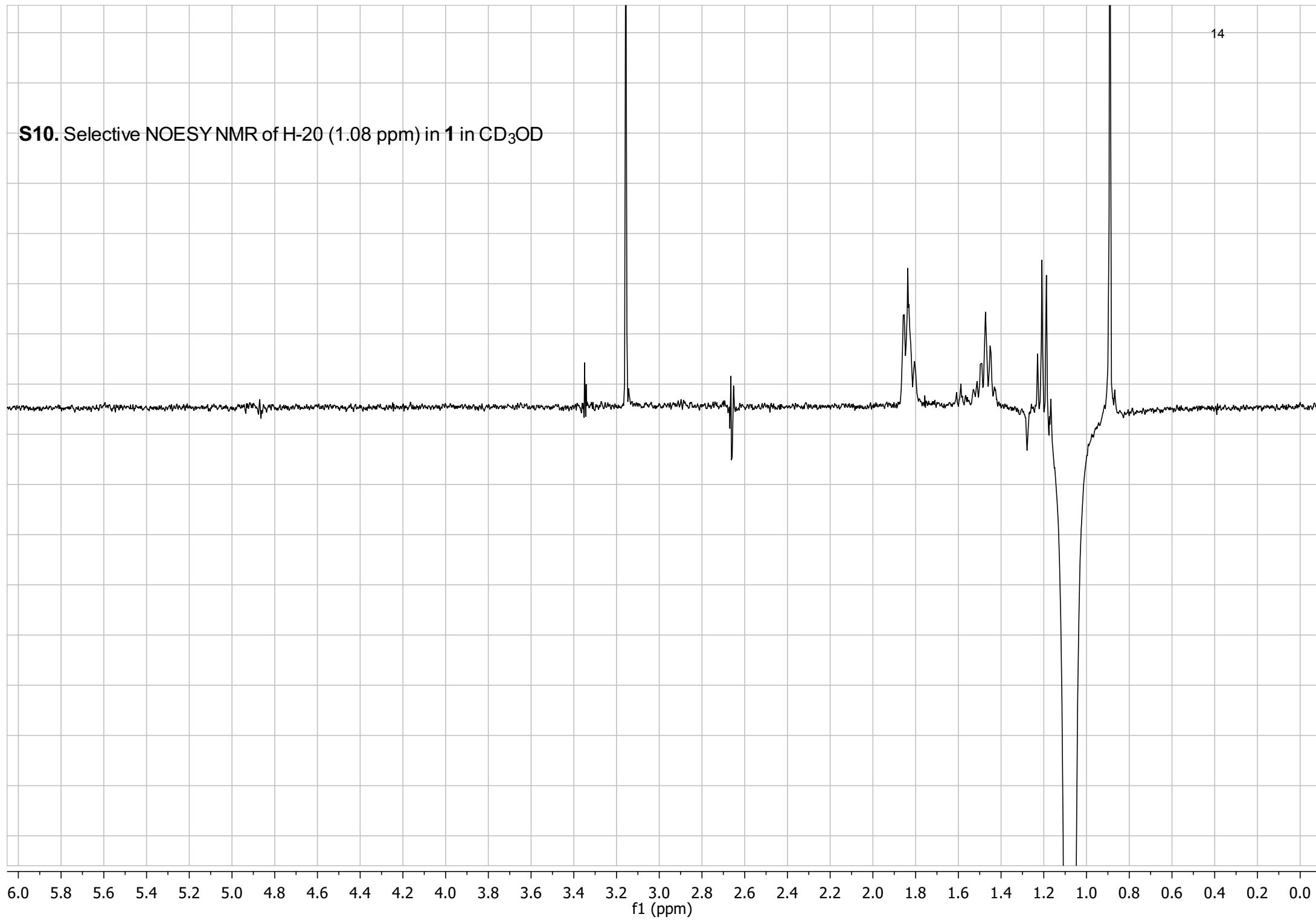


S8. Selective NOESY NMR of H-15/H-22 (3.25 ppm) in **1** in CD₃OD

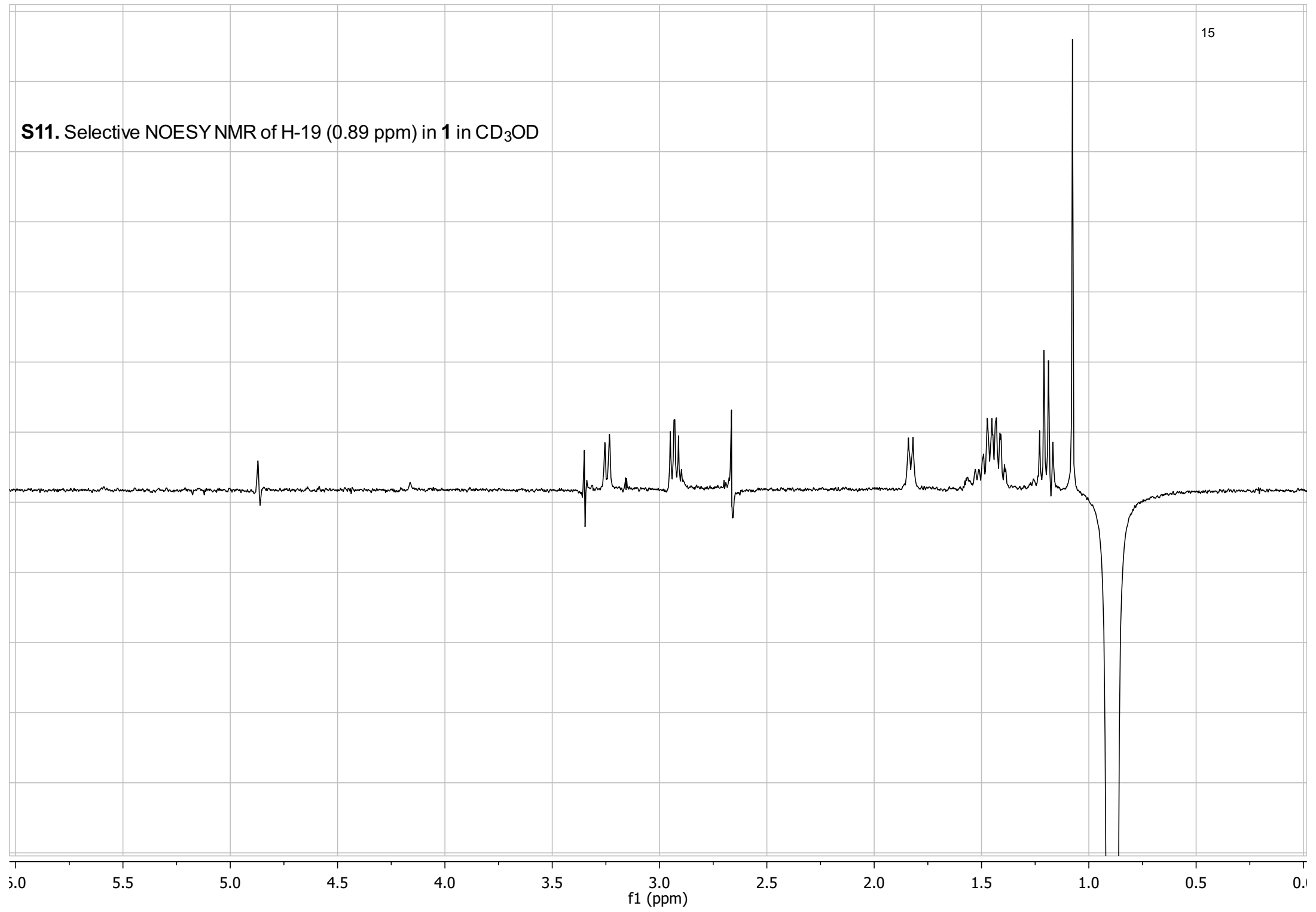
S9. Selective NOESY NMR of H-21 (3.16 ppm) in **1** in CD₃OD



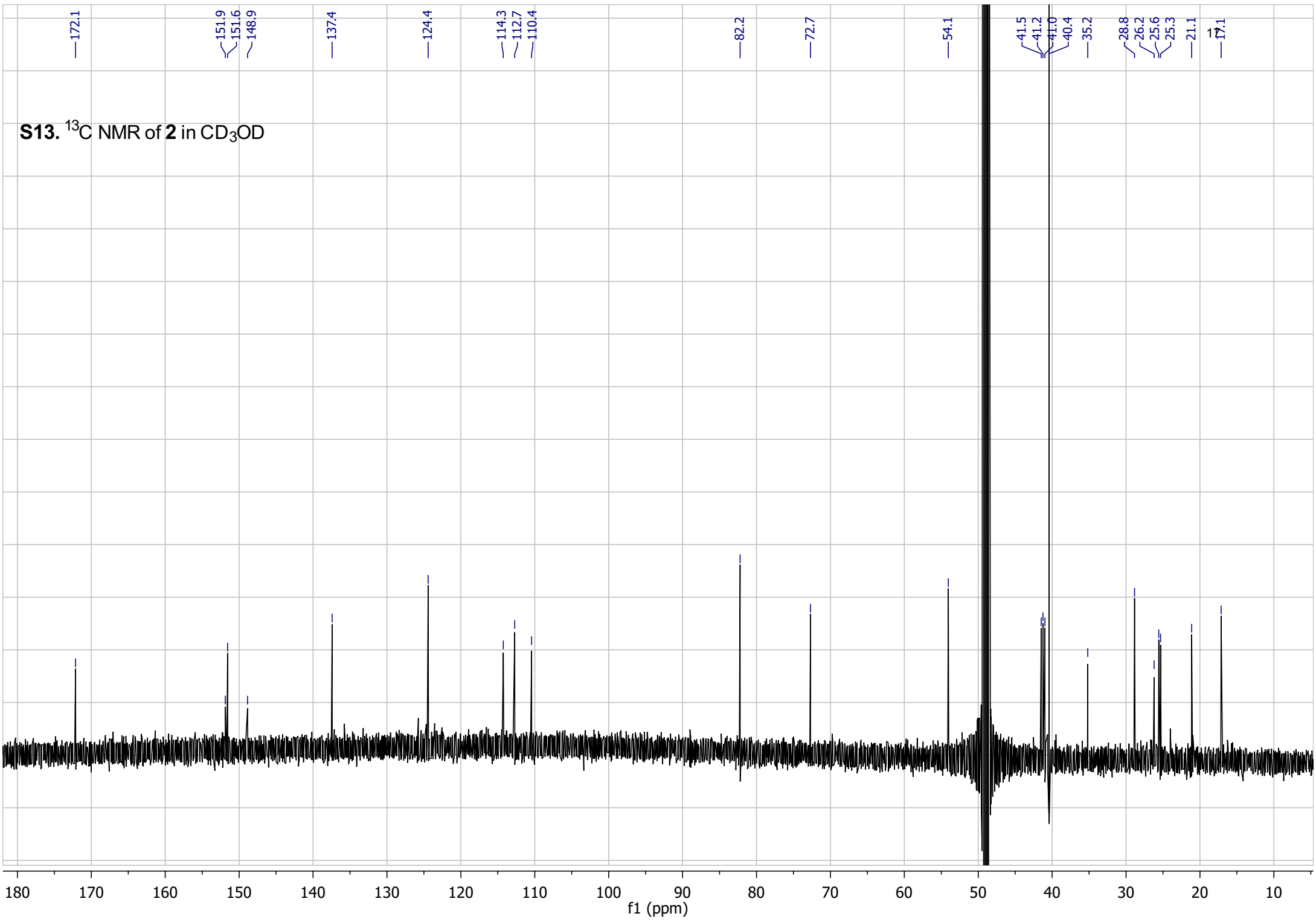
S10. Selective NOESY NMR of H-20 (1.08 ppm) in **1** in CD₃OD



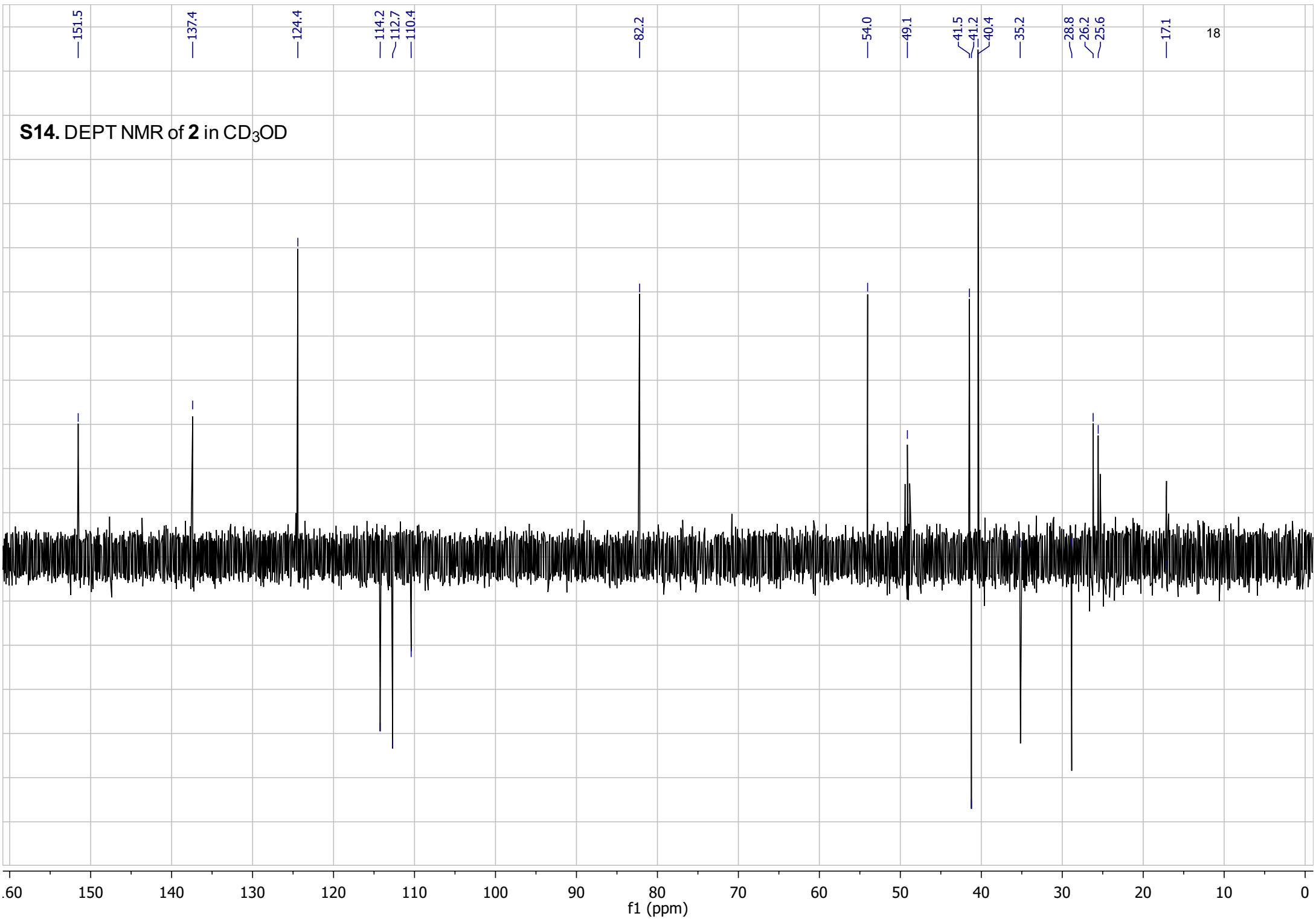
S11. Selective NOESY NMR of H-19 (0.89 ppm) in **1** in CD₃OD



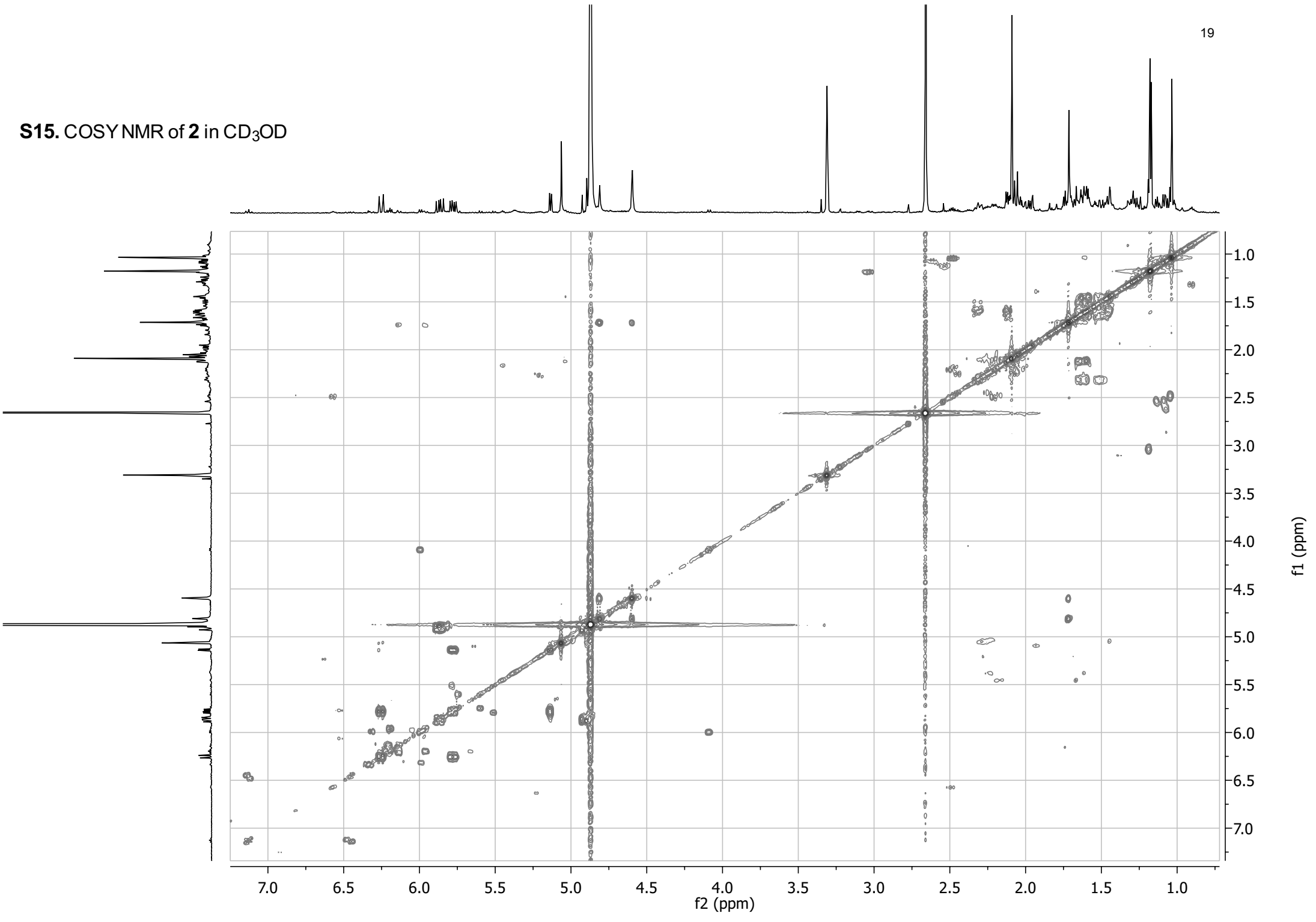
S13. ¹³C NMR of 2 in CD₃OD



S14. DEPT NMR of **2** in CD₃OD

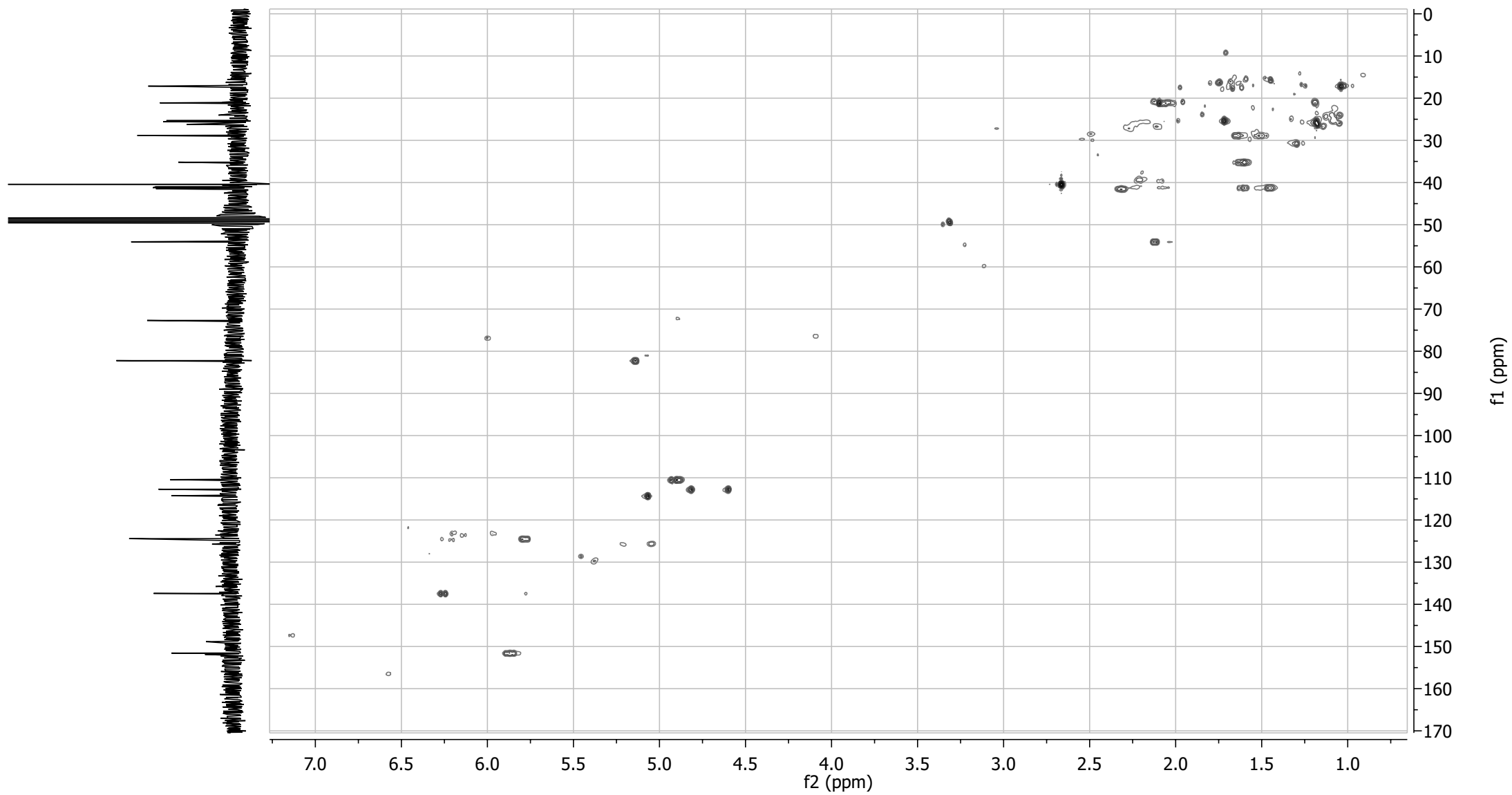


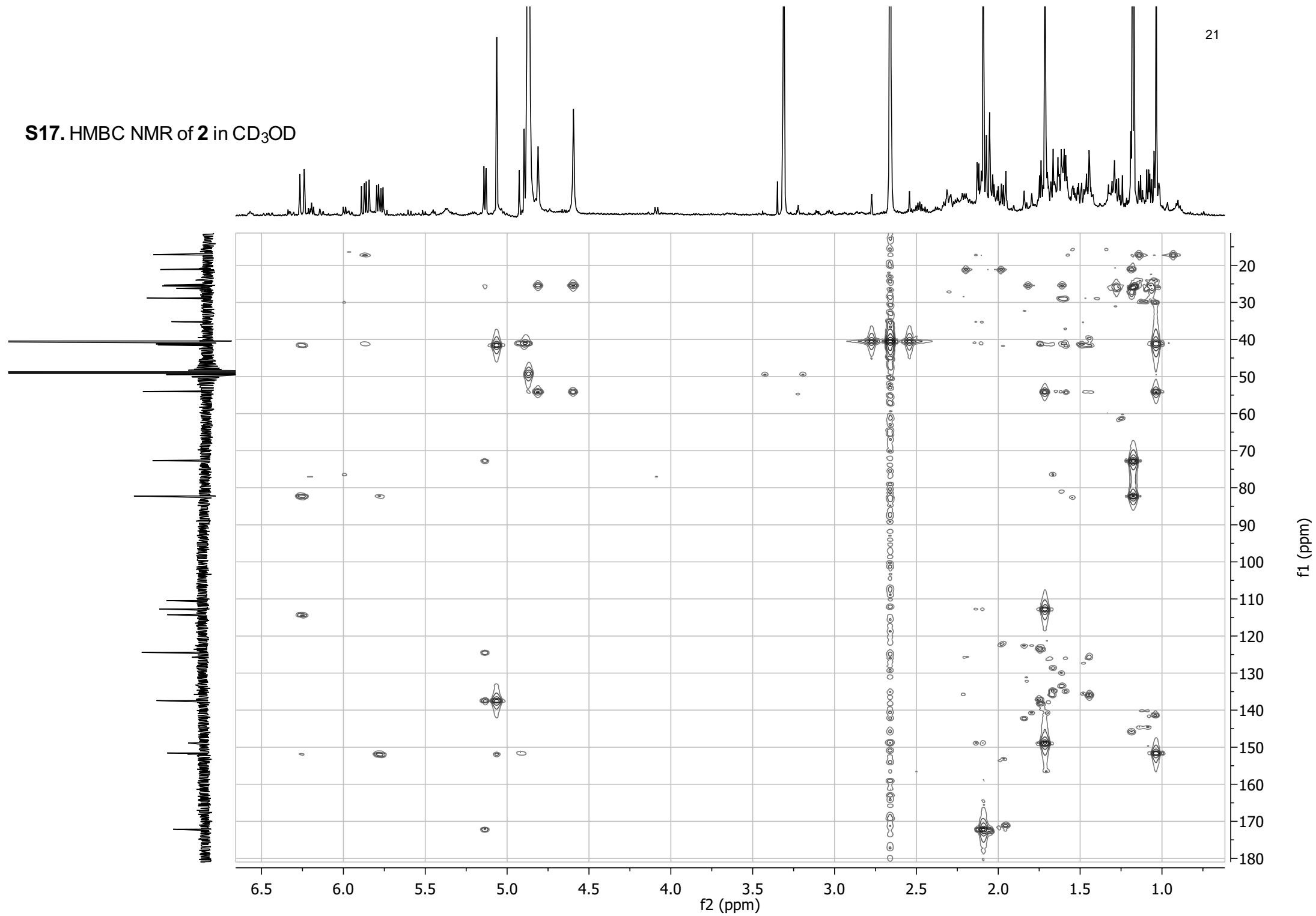
S15. COSY NMR of 2 in CD₃OD



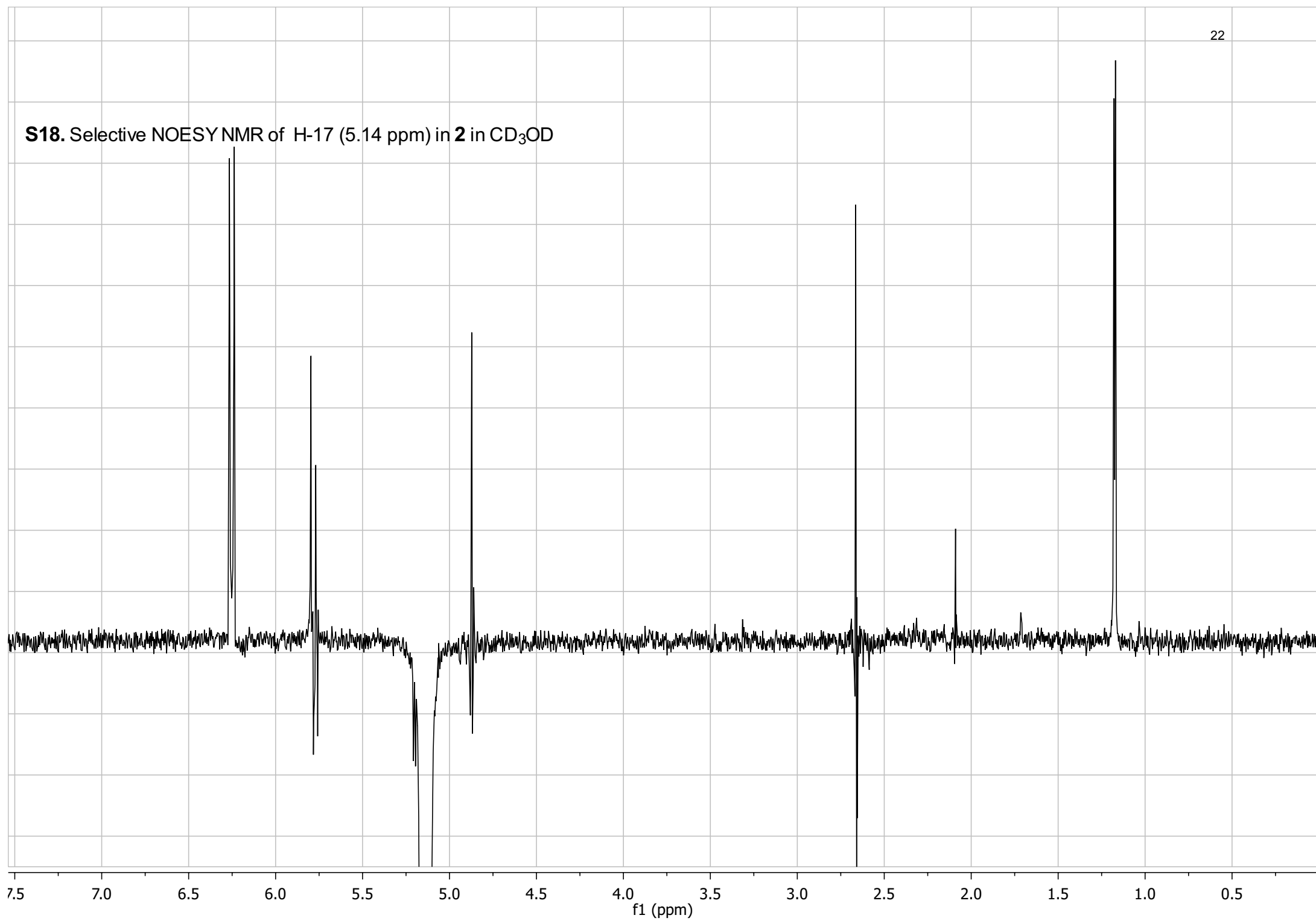
S16. HSQC NMR of **2** in CD₃OD

20

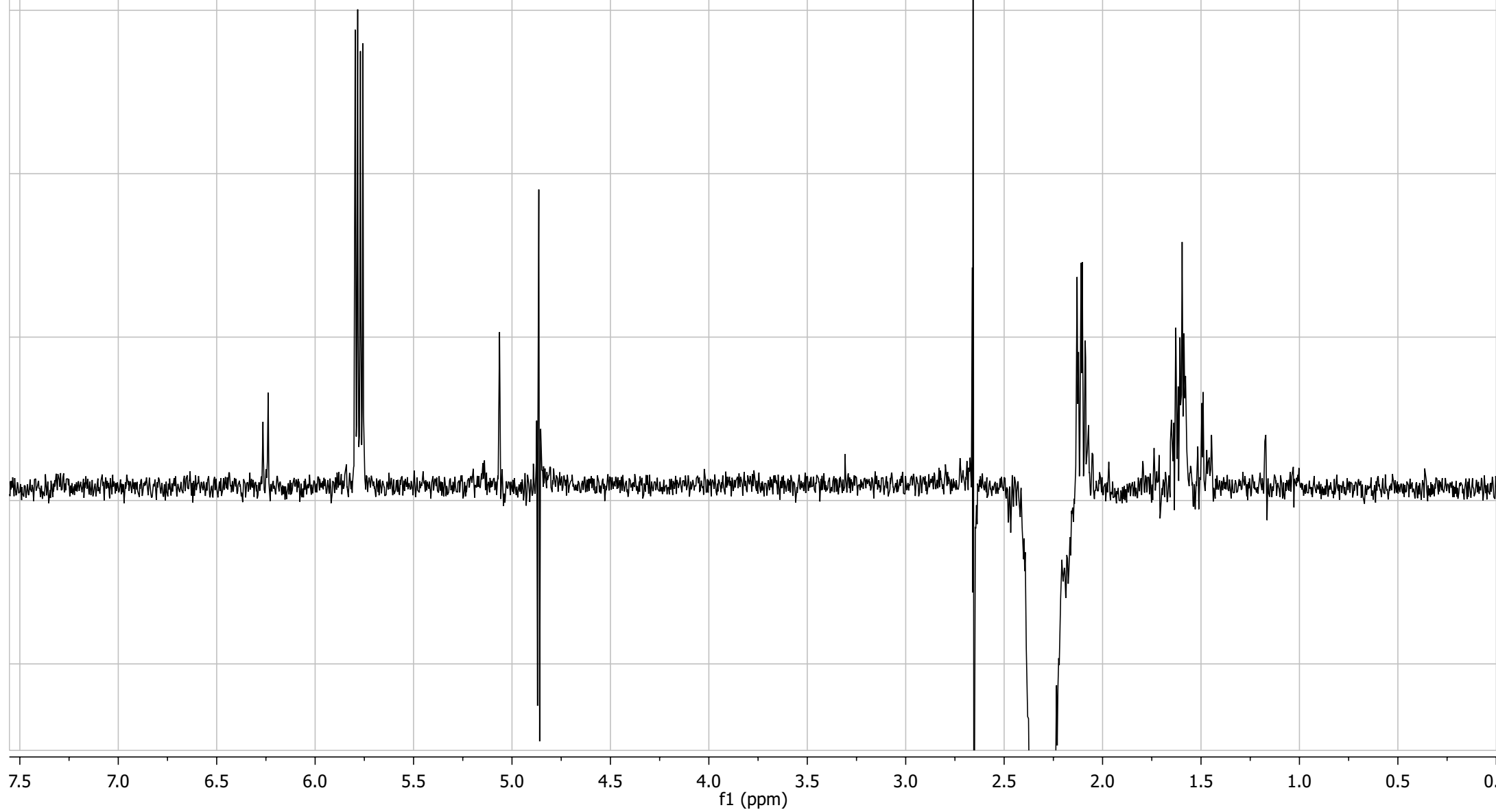


S17. HMBC NMR of **2** in CD₃OD

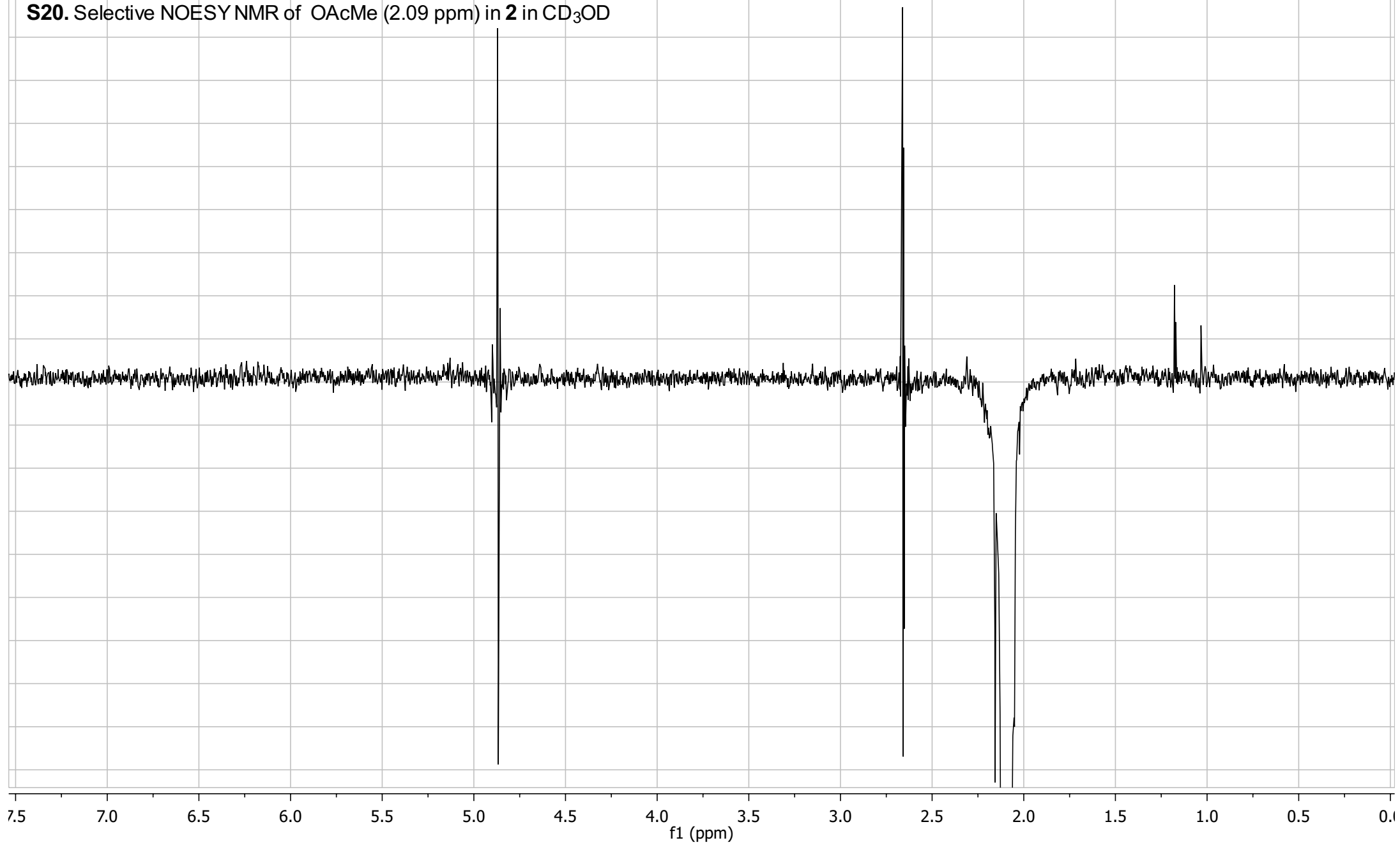
S18. Selective NOESY NMR of H-17 (5.14 ppm) in **2** in CD₃OD



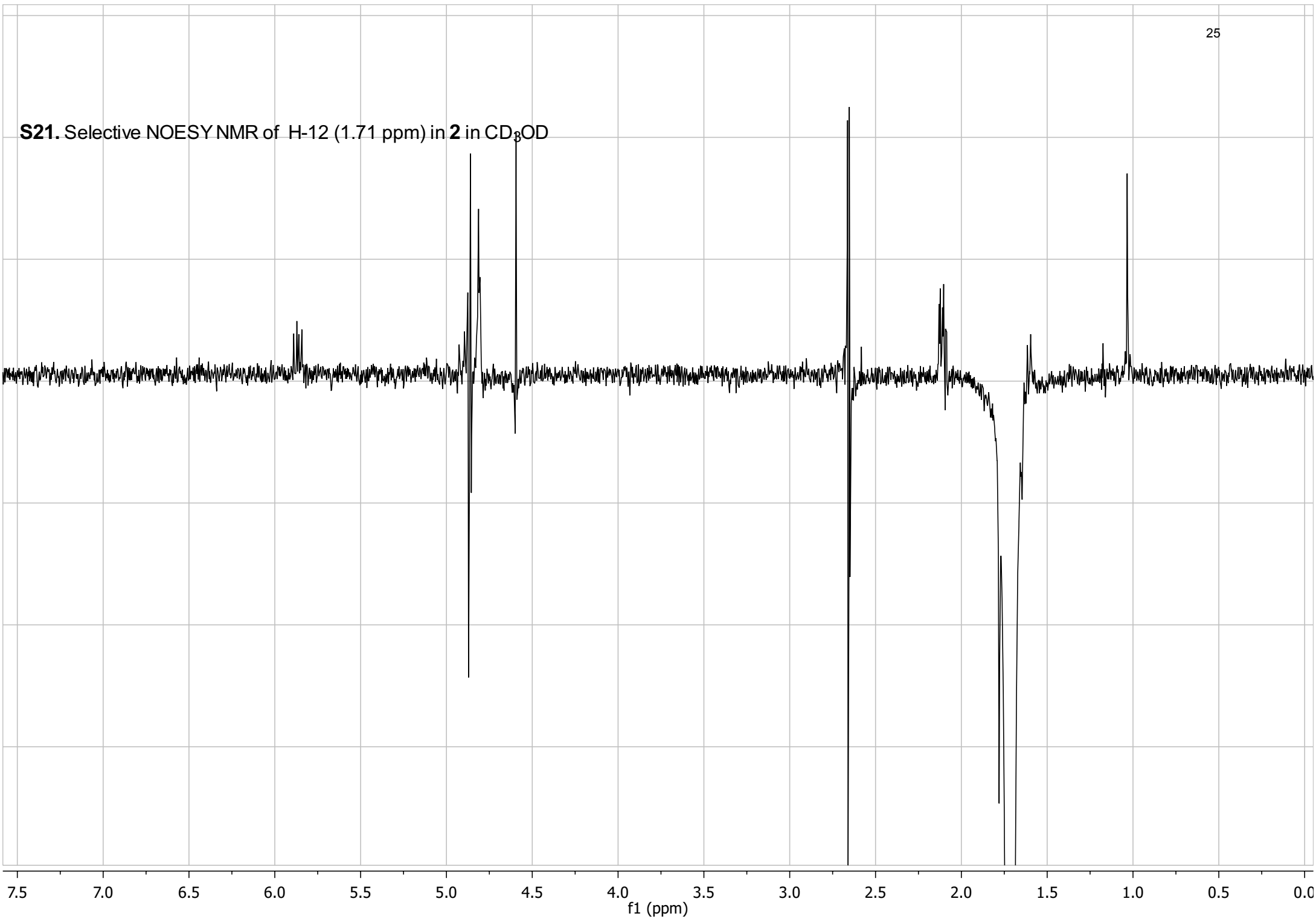
S19. Selective NOESY NMR of H-4 (2.31 ppm) in **2** in CD₃OD



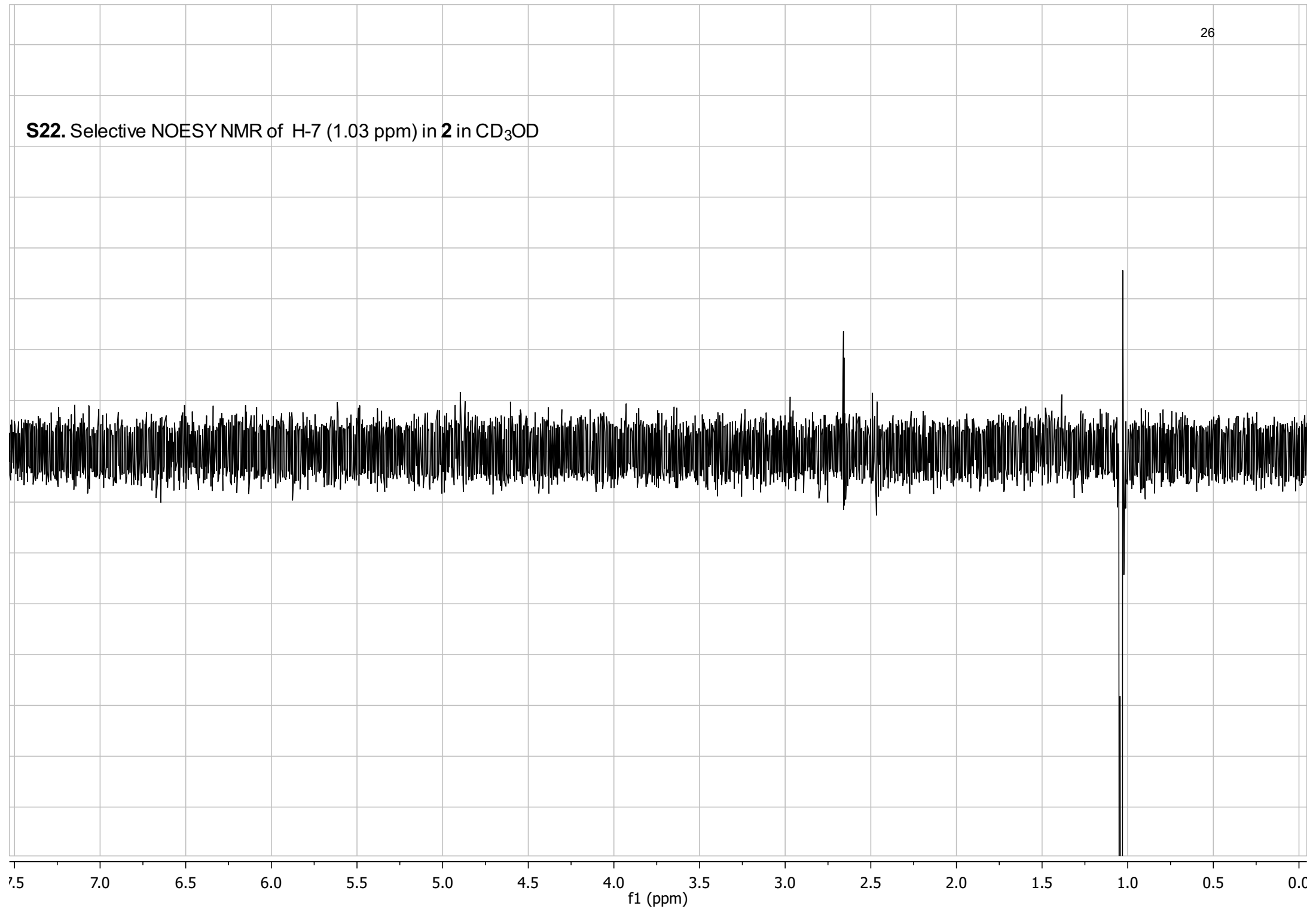
S20. Selective NOESY NMR of OAcMe (2.09 ppm) in **2** in CD₃OD



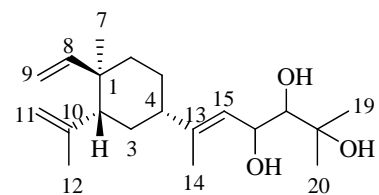
S21. Selective NOESY NMR of H-12 (1.71 ppm) in **2** in CD₃OD



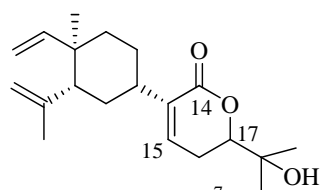
S22. Selective NOESY NMR of H-7 (1.03 ppm) in **2** in CD₃OD



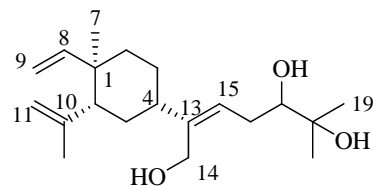
Scheme 1: Structures of known compounds isolated from *Sinularia* sp.



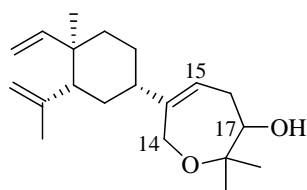
loba-8,10,13(15)-triene-16,17,18-triol²⁵



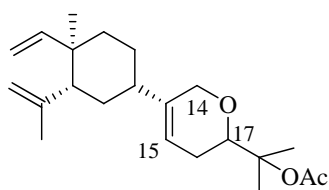
lobatrienolide⁷



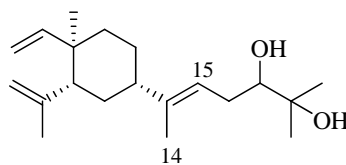
lobatrienetriol⁷



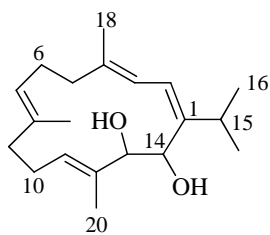
14,18-epoxyloba-8,10,13(15)-trien-17-ol²⁶



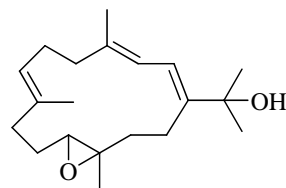
14,17-epoxyloba-8,10,13(15)-trien-18-ol-18-acetate²⁶



(17*R*)-loba-8,10,13(15)-trien-17,18-diol²⁷

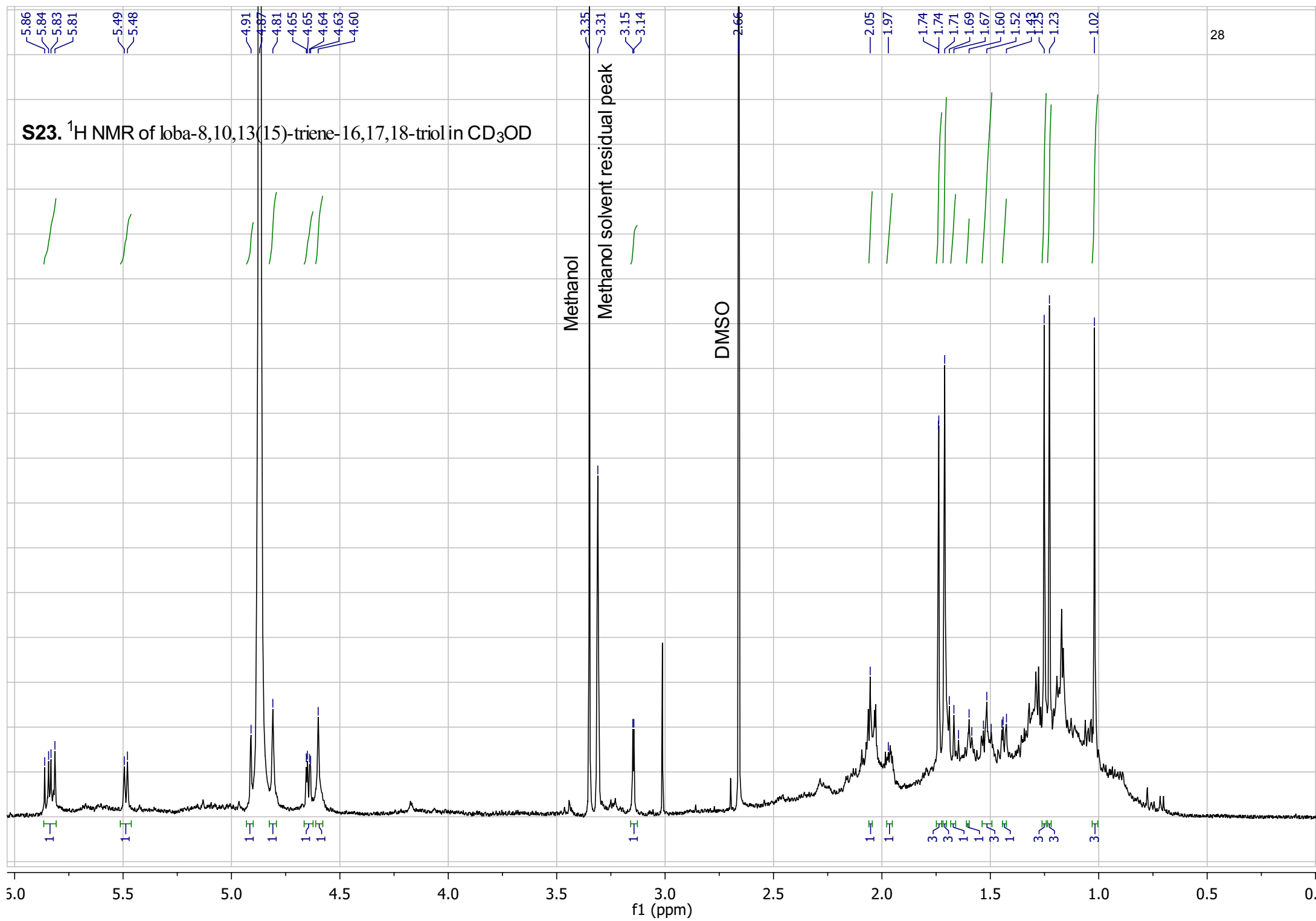


sarcophytol-B²⁴

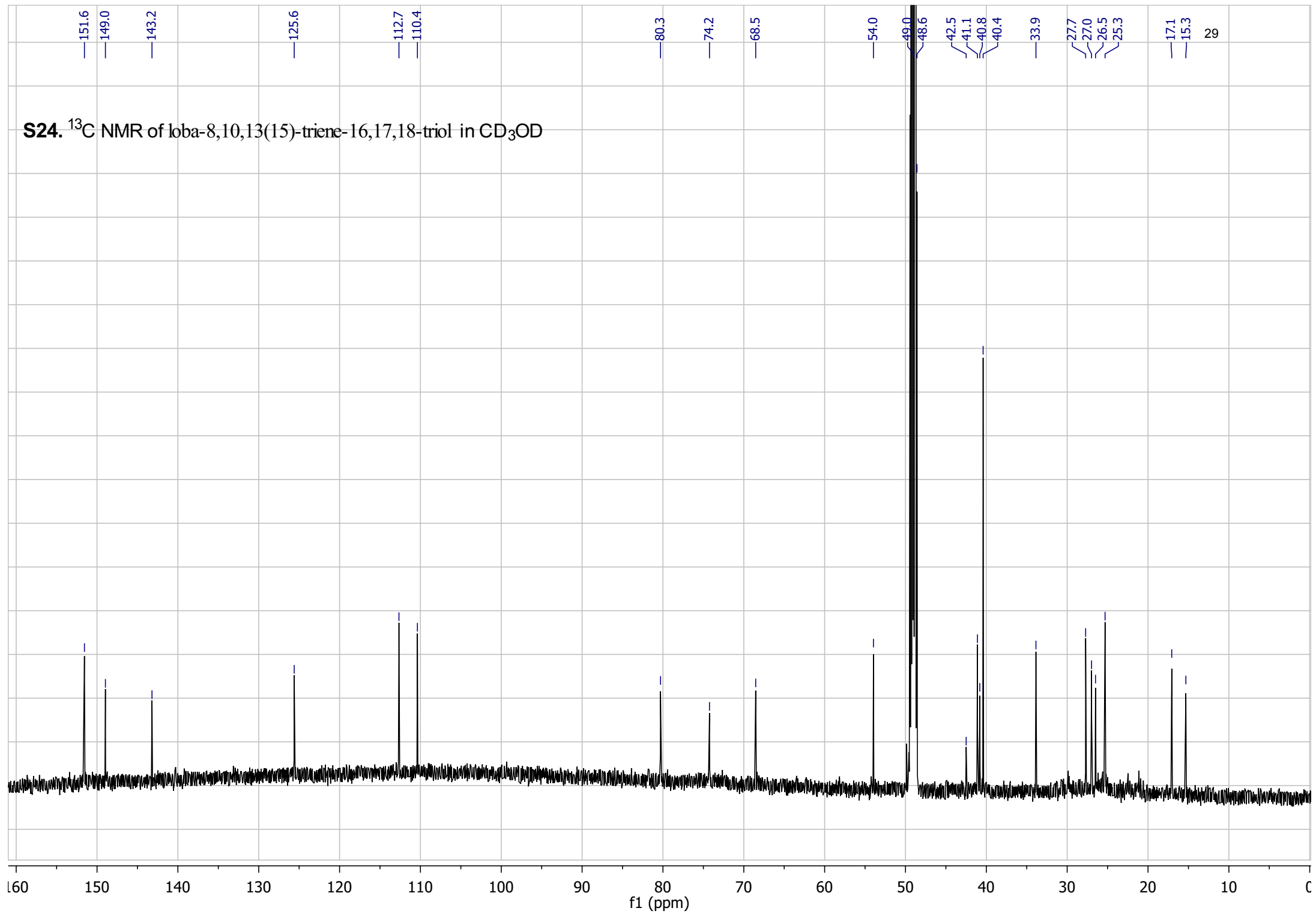


(1*E*,3*E*,7*E*)-11,12-epoxycembratrien-15-ol⁸

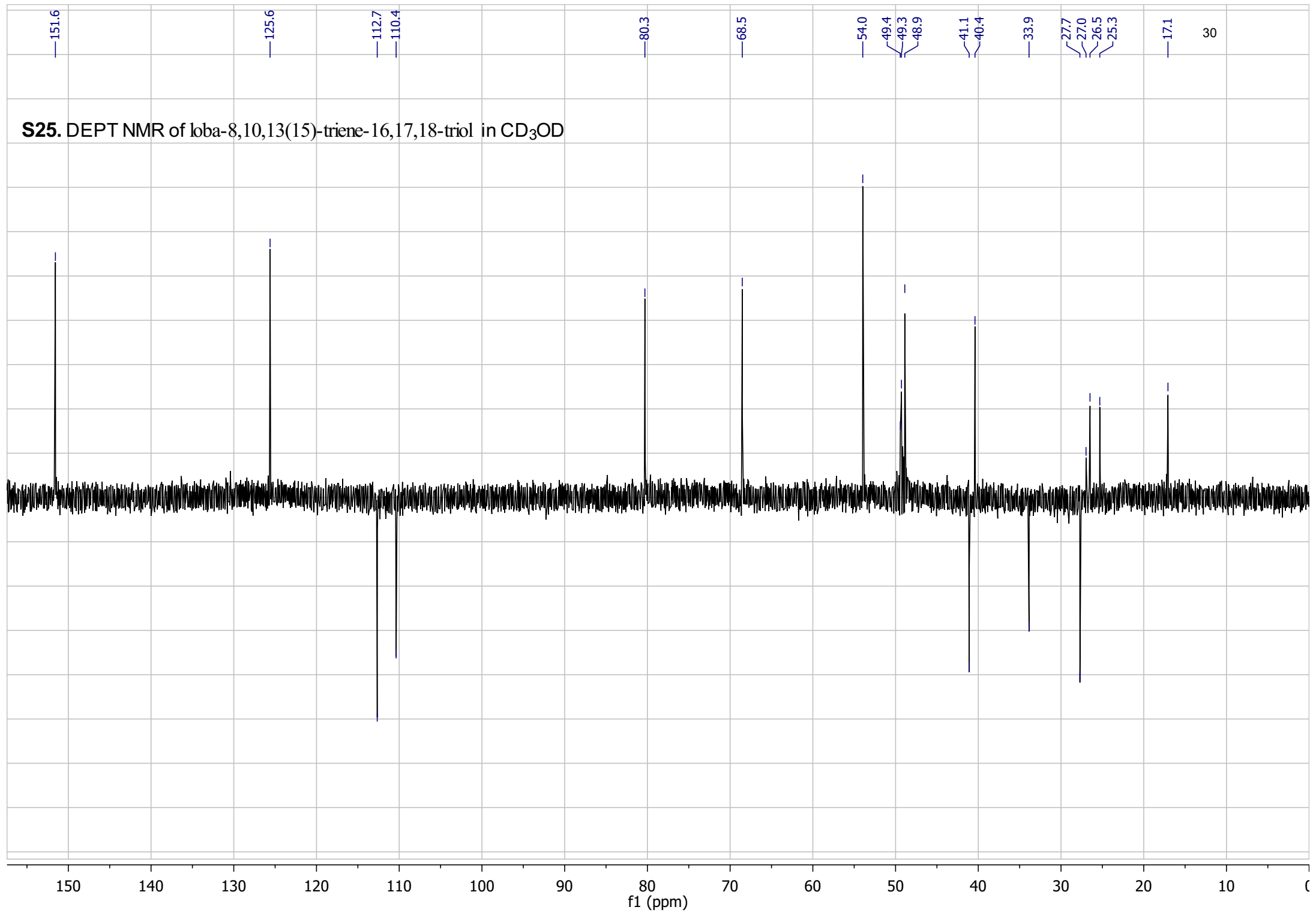
S23. ¹H NMR of loba-8,10,13(15)-triene-16,17,18-triol in CD₃OD



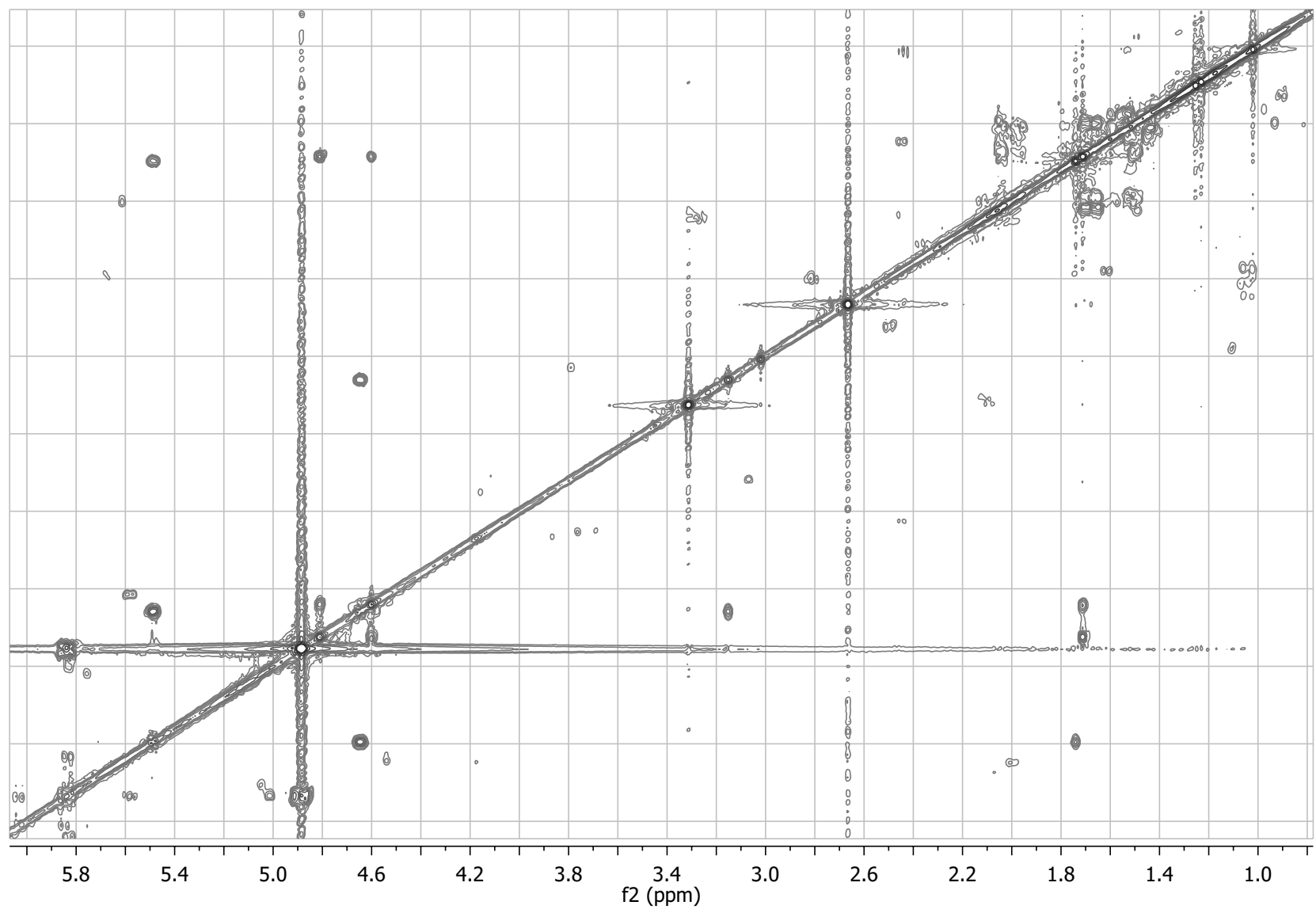
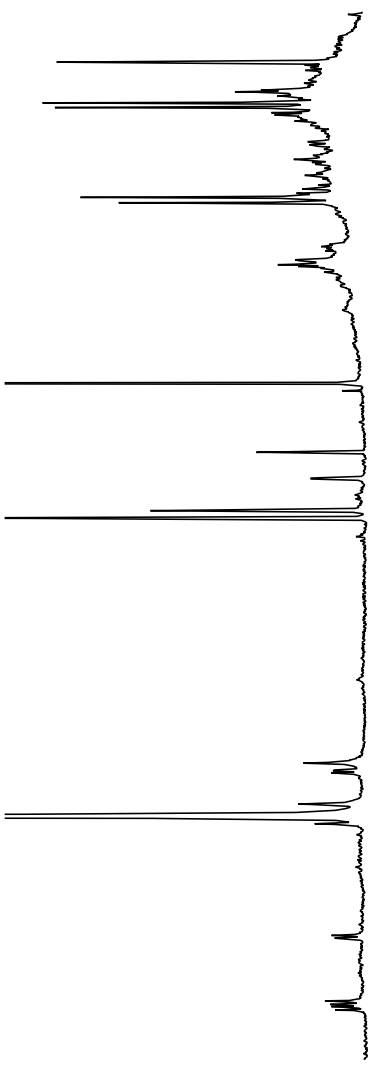
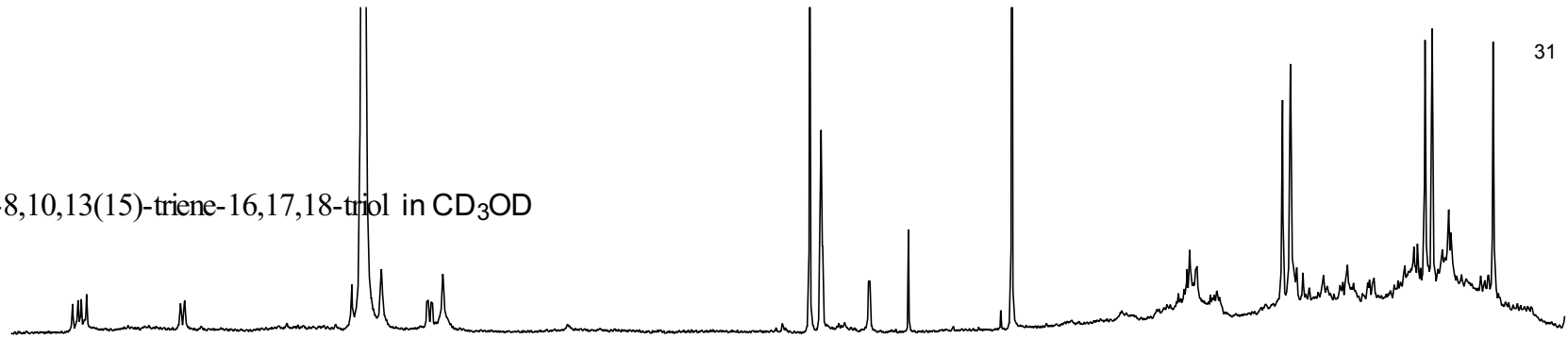
S24. ^{13}C NMR of loba-8,10,13(15)-triene-16,17,18-triol in CD_3OD



S25. DEPT NMR of loba-8,10,13(15)-triene-16,17,18-triol in CD₃OD



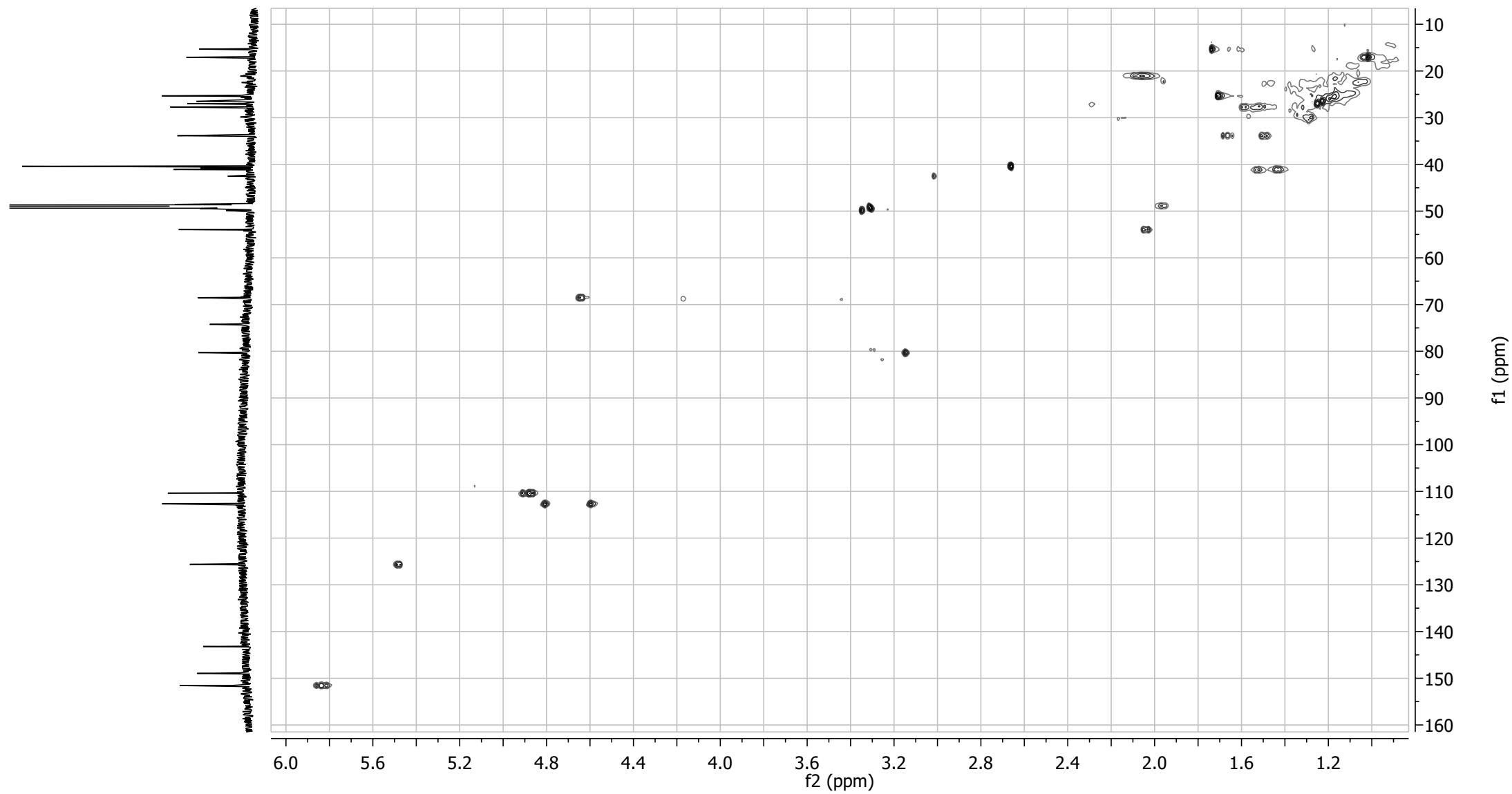
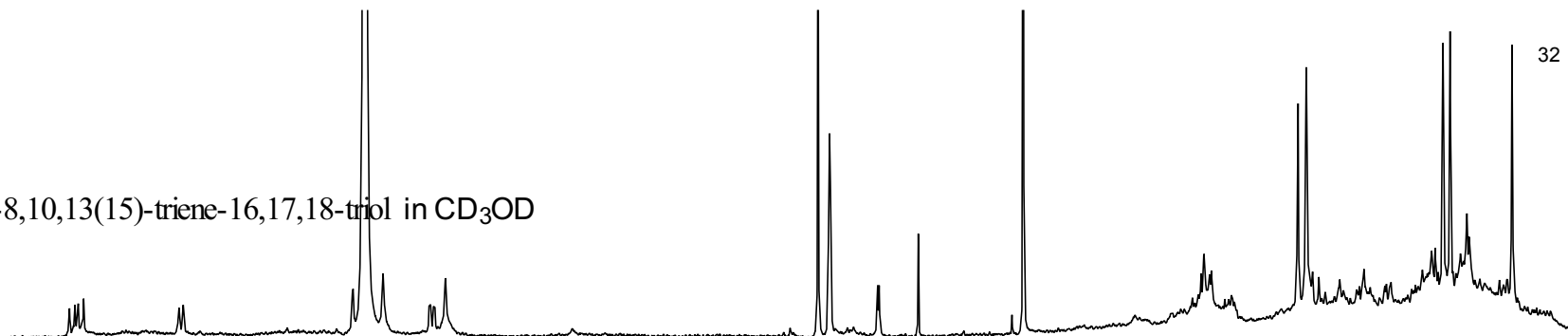
S26. COSY NMR of loba-8,10,13(15)-triene-16,17,18-triol in CD₃OD

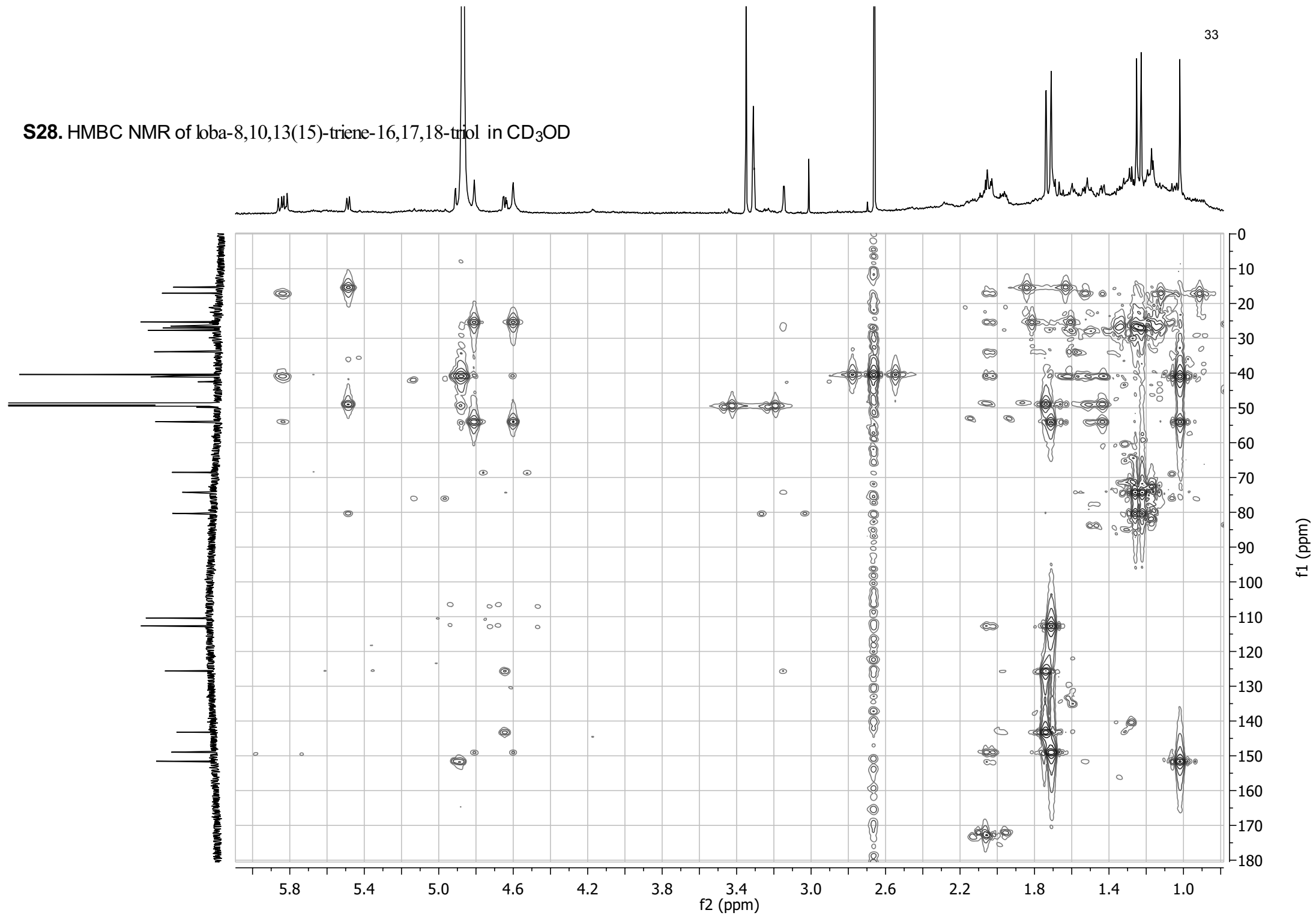


f1 (ppm)

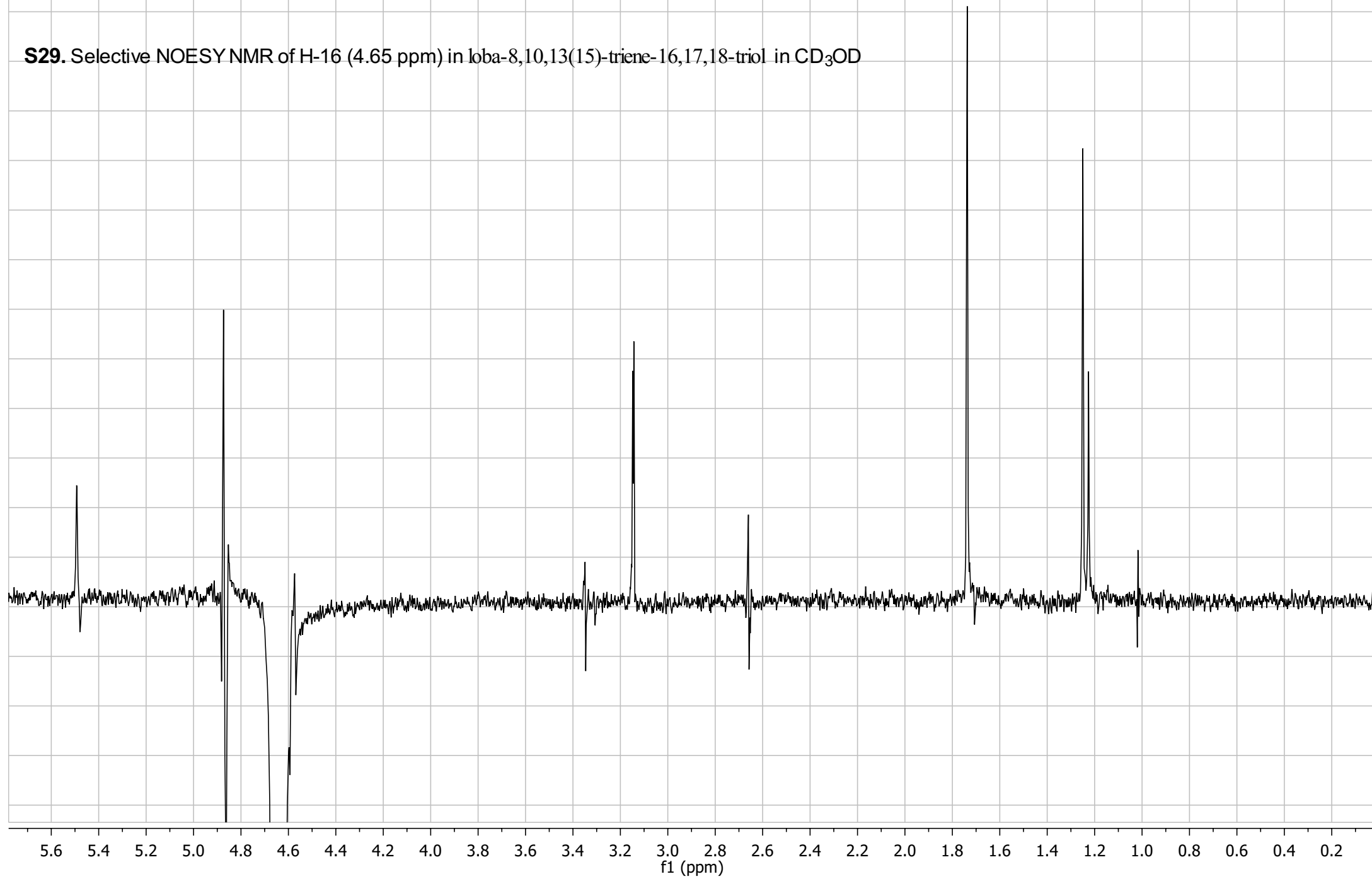
f2 (ppm)

S27. HSQC NMR of loba-8,10,13(15)-triene-16,17,18-triol in CD₃OD

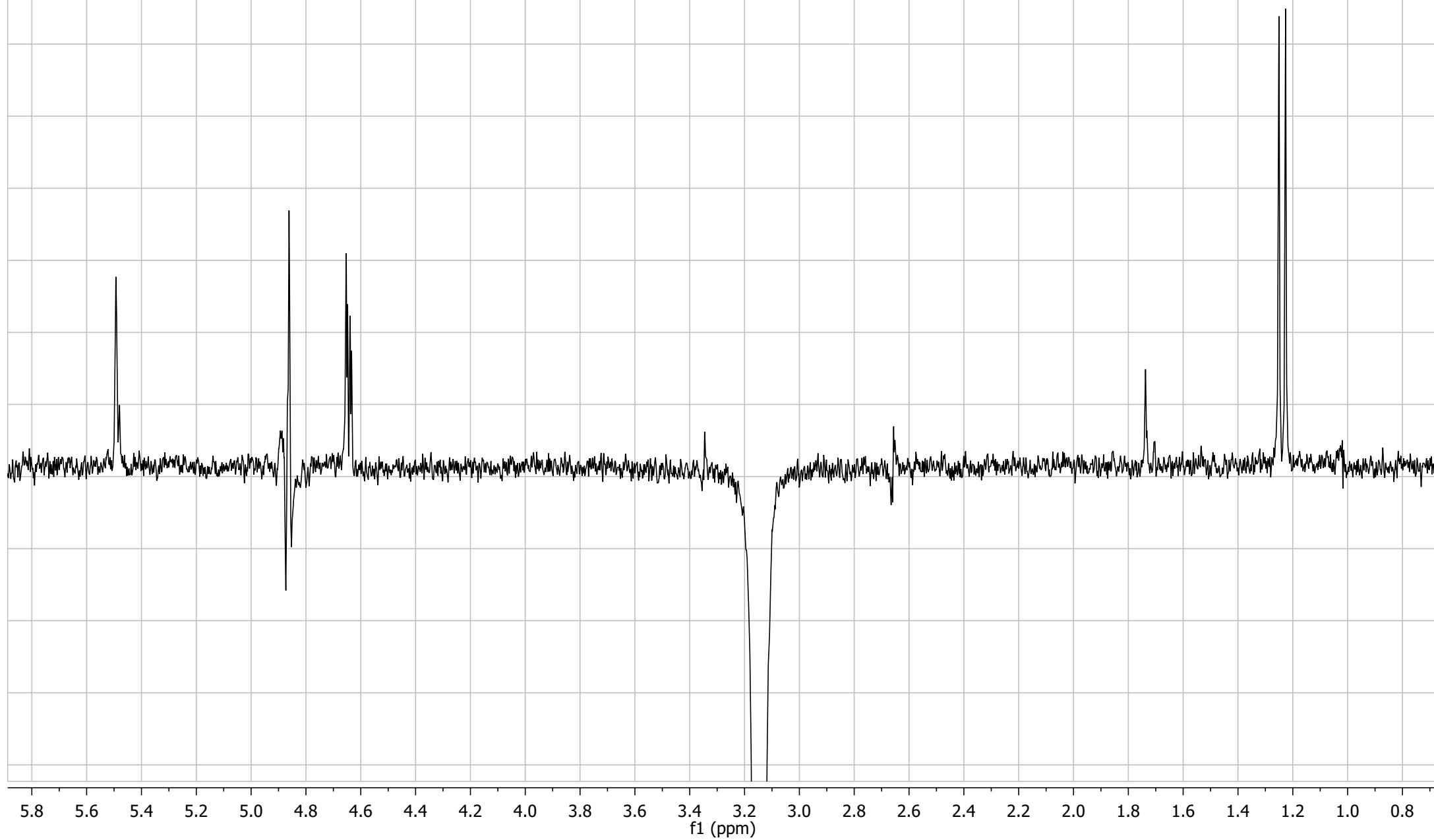


S28. HMBC NMR of loba-8,10,13(15)-triene-16,17,18-triol in CD₃OD

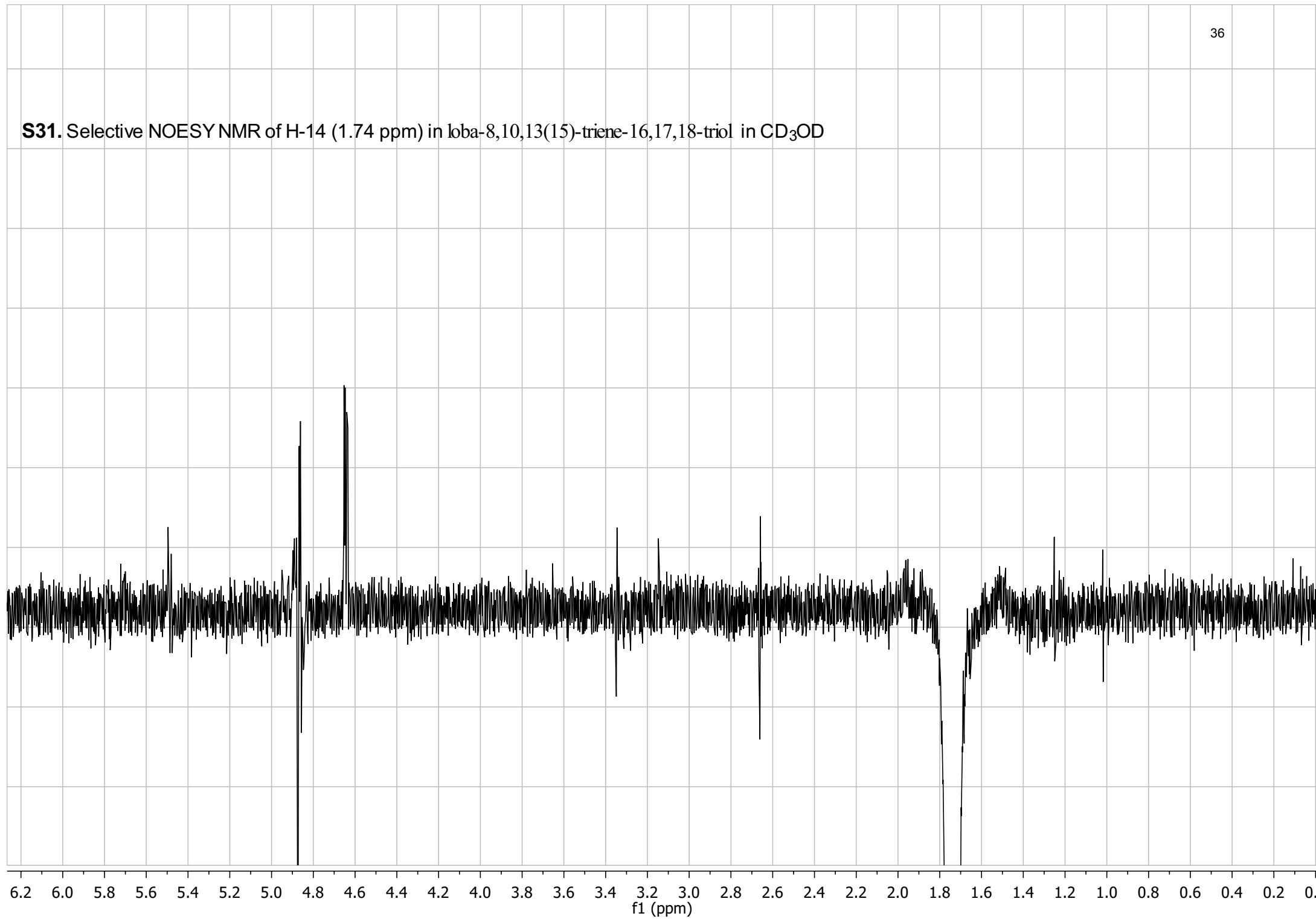
S29. Selective NOESY NMR of H-16 (4.65 ppm) in loba-8,10,13(15)-triene-16,17,18-triol in CD₃OD



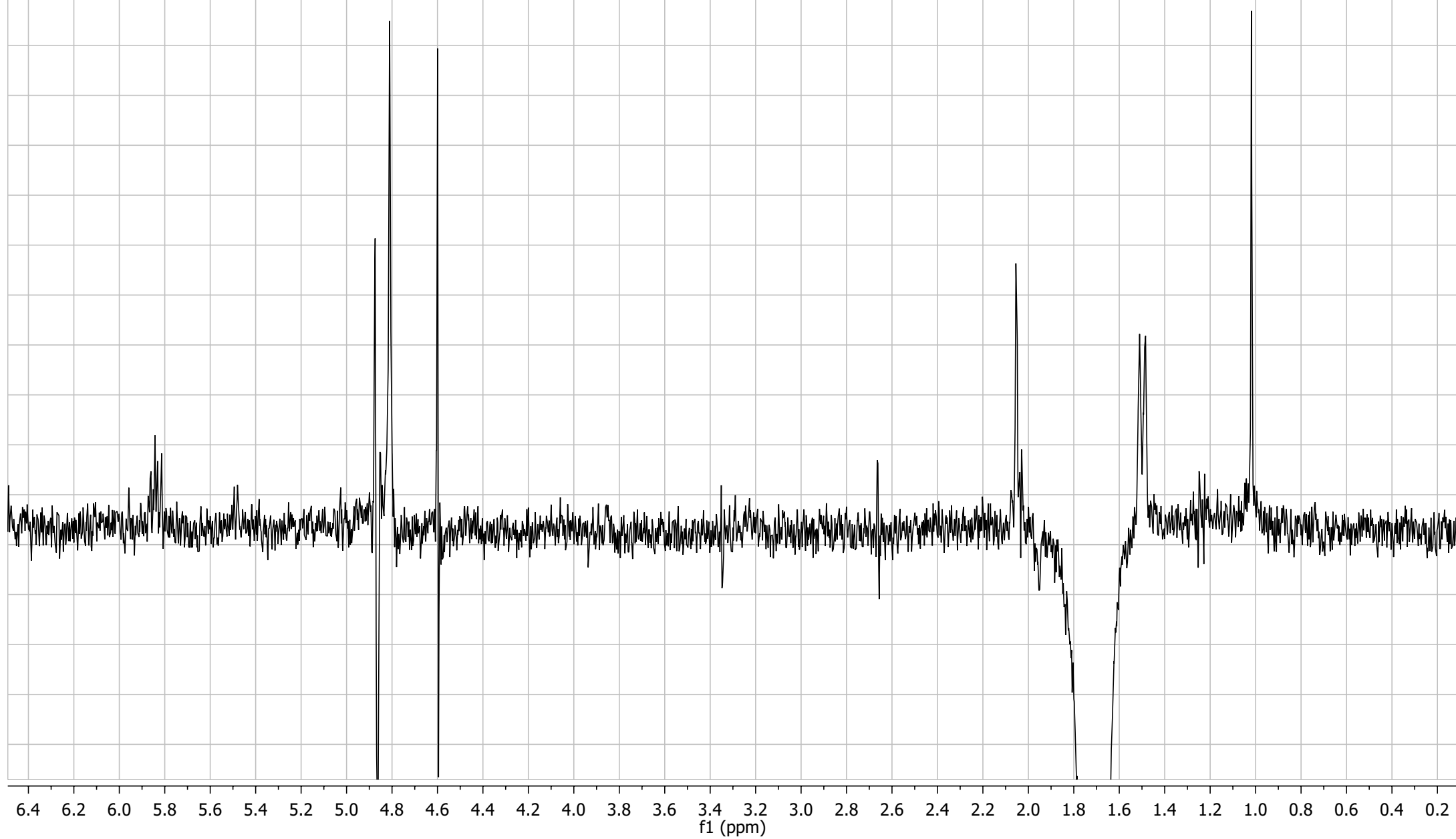
S30. Selective NOESY NMR of H-17 (3.15 ppm) in loba-8,10,13(15)-triene-16,17,18-triol in CD₃OD



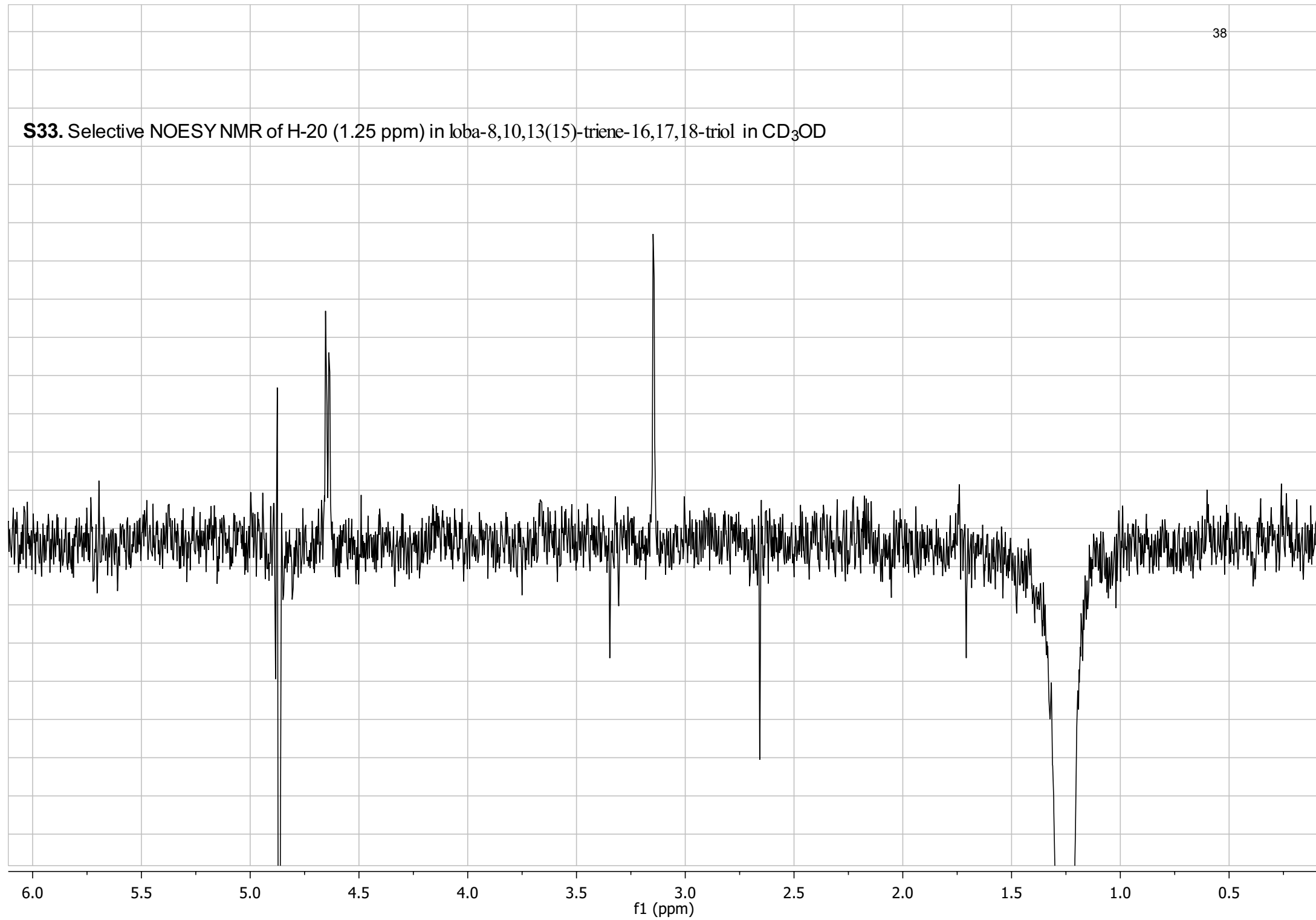
S31. Selective NOESY NMR of H-14 (1.74 ppm) in loba-8,10,13(15)-triene-16,17,18-triol in CD₃OD



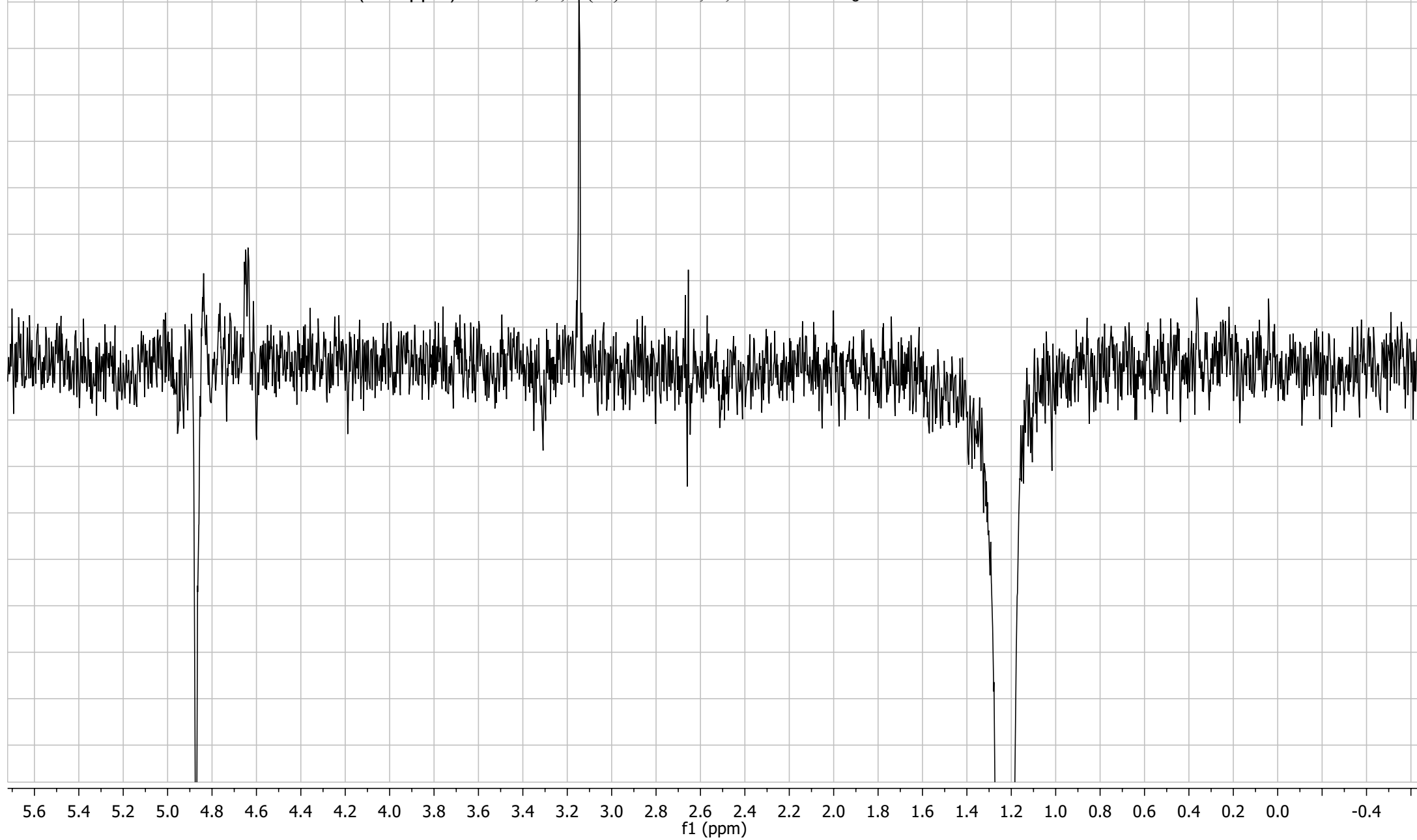
S32. Selective NOESY NMR of H-12 (1.71 ppm) in loba-8,10,13(15)-triene-16,17,18-triol in CD₃OD



S33. Selective NOESY NMR of H-20 (1.25 ppm) in loba-8,10,13(15)-triene-16,17,18-triol in CD₃OD



S34. Selective NOESY NMR of H-19 (1.23 ppm) in loba-8,10,13(15)-triene-16,17,18-triol in CD₃OD



S35. Selective NOESY NMR of H-7 (1.02 ppm) in loba-8,10,13(15)-triene-16,17,18-triol in CD₃OD

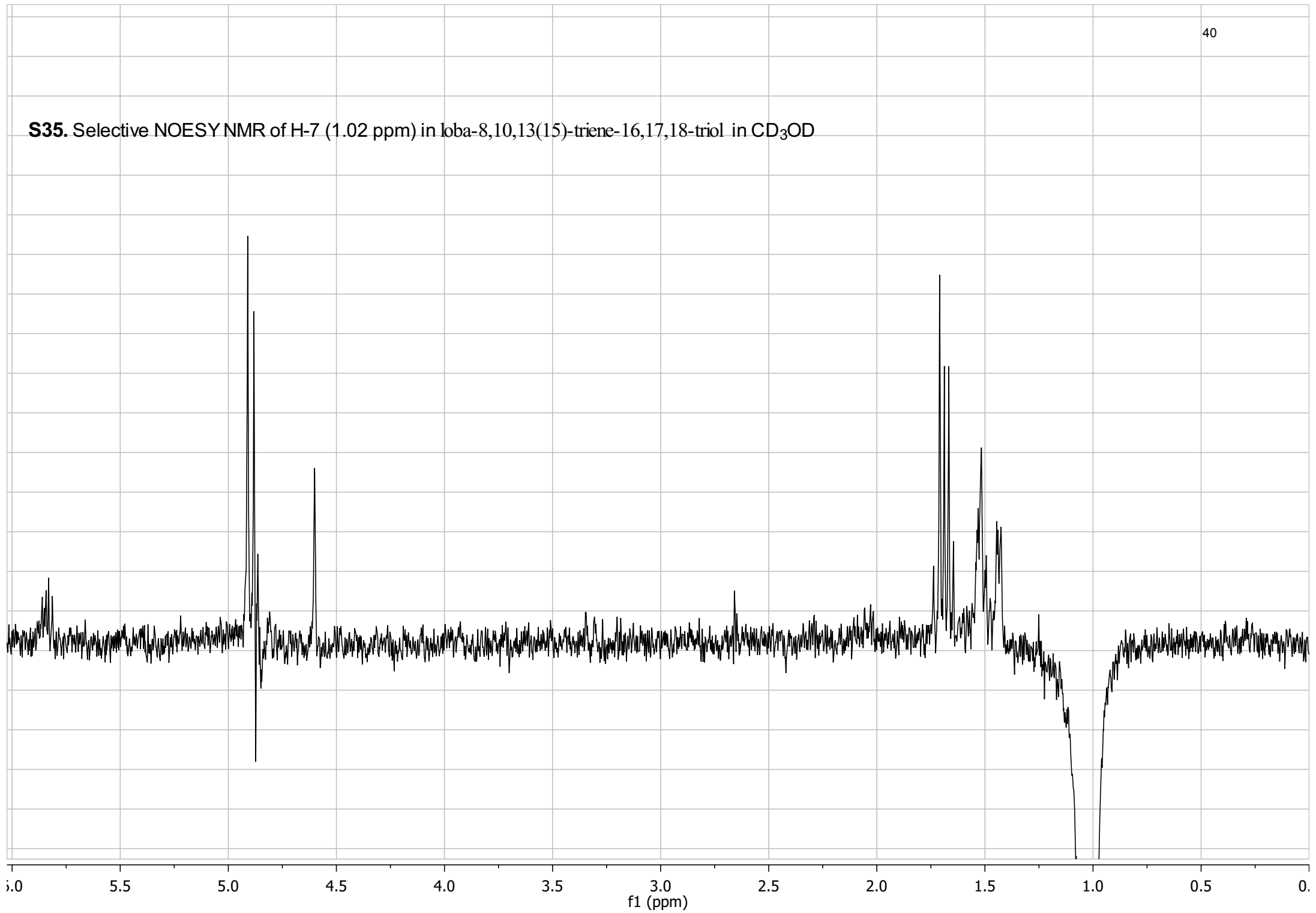
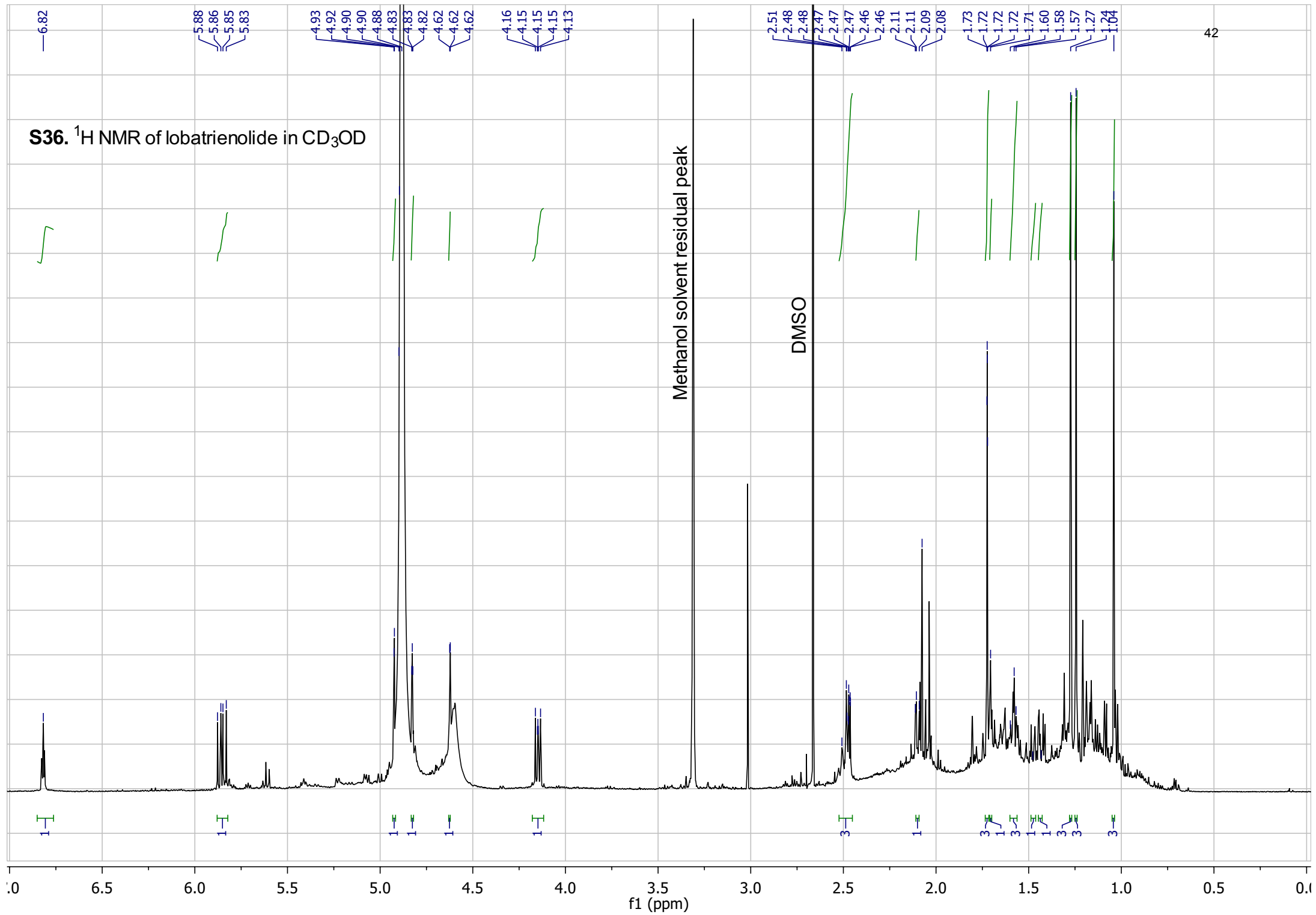


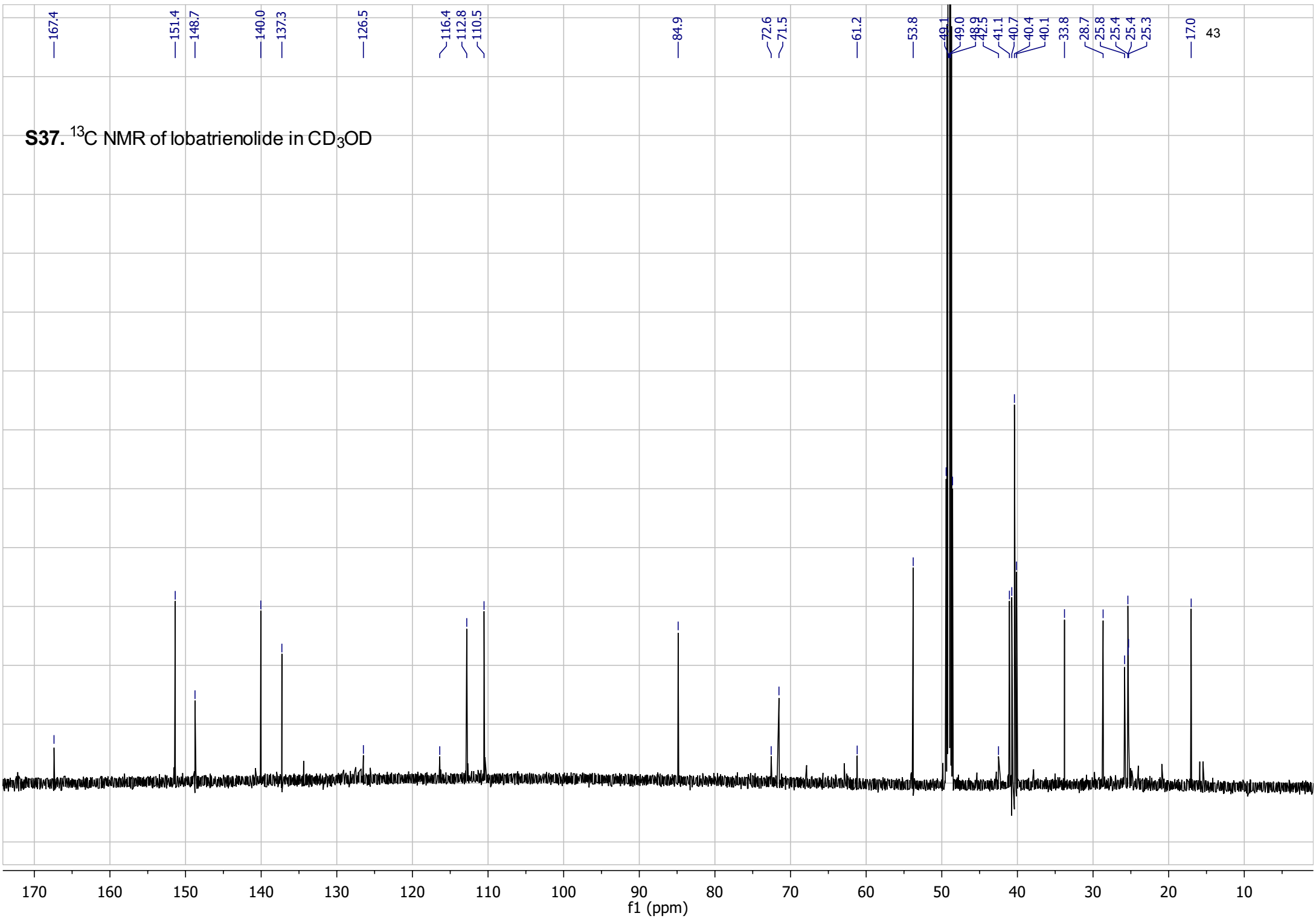
Table S1. ^1H and ^{13}C NMR data (300 MHz and 75 MHz, CD_3OD) for loba-8,10,13(15)-triene-16,17,18-triol.

No.	^{13}C δ (m)	^1H δ (m, J Hz)	COSY	gHMBC	nOe
1	40.8 (s)				
2	54.0(d)	2.05 (1H, m)	H-3	C-1, C-3, C-7, C-10, C-11, C-12	H-12
3	33.9 (t)	1.68 (1H, m)	H-2, H-4	C-1, C-4	H-7, H-12
		1.50 (1H, m)		C-1, C-4, C-5	
4	48.6 (d)	1.97 (1H, m)	H-3, H _a -5, H _b -5	C-5, C-13, C-15	
5	27.7 (t)	1.60 (1H, m)	H-4, H _b -5, H _b -6	C-1, C-3	
		1.52 (1H, m)	H-4, H _a -5, H _b -6		H-7
6	41.1 (t)	1.53 (1H, m)	H _a -5, H _b -6	C-1, C-7	H-7
		1.43 (1H, m)	H _a -5, H _b -5, H _a -6	C-1, C-2, C-4, C-7	H-7
7	17.1 (q)	1.02 (3H, s)		C-2, C-6, C-8	H _a -3, H _b -5, H _a -6, H _b -6, H-8, H _a -9, H _b -9, H _b -11, H-12, H-14
8	151.6 (d)	5.84 (1H, dd, 10.9, 17.5)	H _a -9, H _b -9	C-1, C-2, C-7, C-8	H-7, H-12
9	110.4 (t)	4.91 (1H, dd, 1.3, 17.5)	H-8, H _b -9	C-1, C-2, C-8	H-7, H-14
		4.87 (1H, dd, 1.3, 10.9)	H-8, H _b -9	C-1, C-2, C-8	H-7, H-12, H-14
10	149.0 (s)				
11	112.7 (t)	4.81 (1H, brt, 1.4)	H _b -11, H ₃ -12	C-1, C-2, C-10, C-12	H-12
		4.60 (1H, brs)	H _a -11, H ₃ -12	C-1, C-2, C-10, C-12	H-7, H-12
12	25.3 (q)	1.71 (3H, brs)	H _a -11, H _b -11	C-1, C-2, C-10, C-11	H-2, H _a -3, H-7, H-8, H _b -9, H _a - 11, H _b -11, H-15, H-20
13	151.6 (s)				
14	15.3 (q)	1.74 (3H, d, 1.1)		C-4, C-13, C-15	H-7, H _a -9, H _b -9, H-15, H-16, H-17, H-20
15	125.6 (d)	5.49 (1H, brd, 8.8)	H-14, H-16	C-3, C-4, C-14, C-17	H-12, H-14, H-16, H-17
16	68.5 (d)	4.65 (1H, dd, 3.0, 8.8)	H-15, H-17	C-13, C-15, C-18	H-14, H-15, H-17, H-18, H- 19, H-20
17	80.3 (d)	3.15 (1H, d, 3.0)	H-16	C-15, C-18, C-19, C-20	H-14, H-15, H-16, H-19, H-20
18	74.2 (s)				H-16
19	26.5 (q)	1.23 (3H, s)		C-17, C-18, C-20	H-16, H-17
20	27.0 (q)	1.25 (3H, s)		C-17, C-18, C-19	H-12, H-14, H-16, H-17

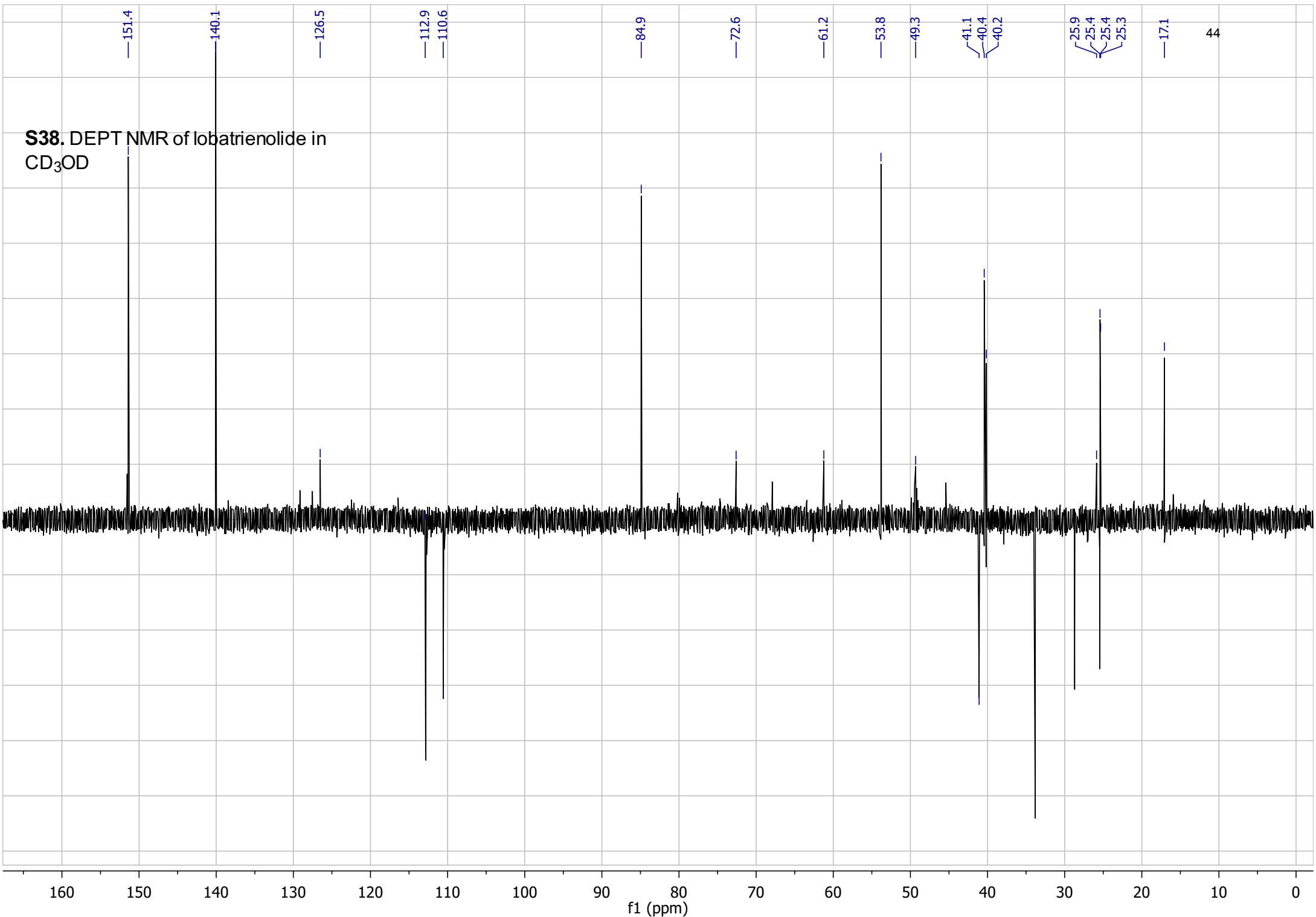
S36. ¹H NMR of lobatrienolide in CD₃OD



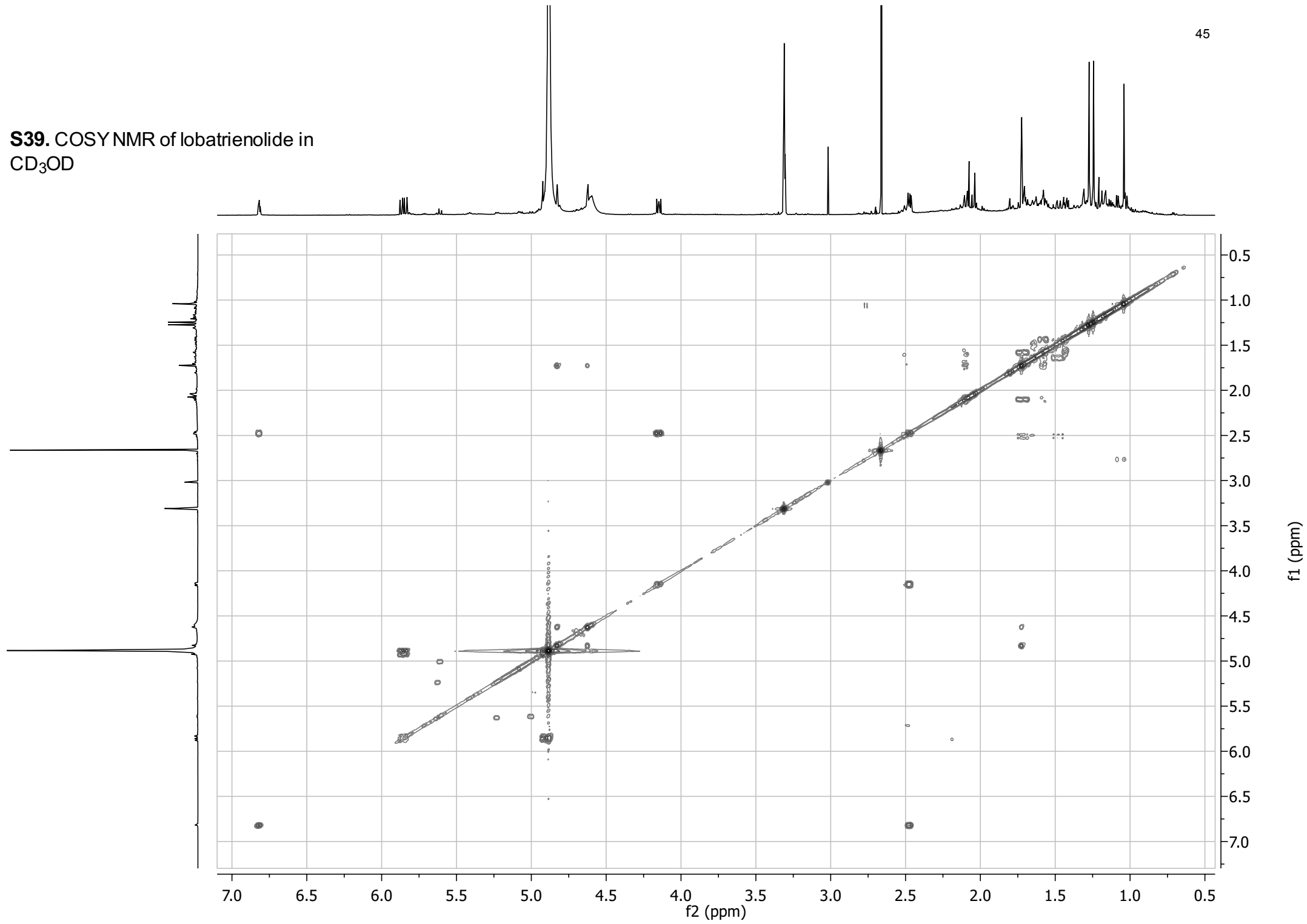
S37. ¹³C NMR of lobatrienolide in CD₃OD



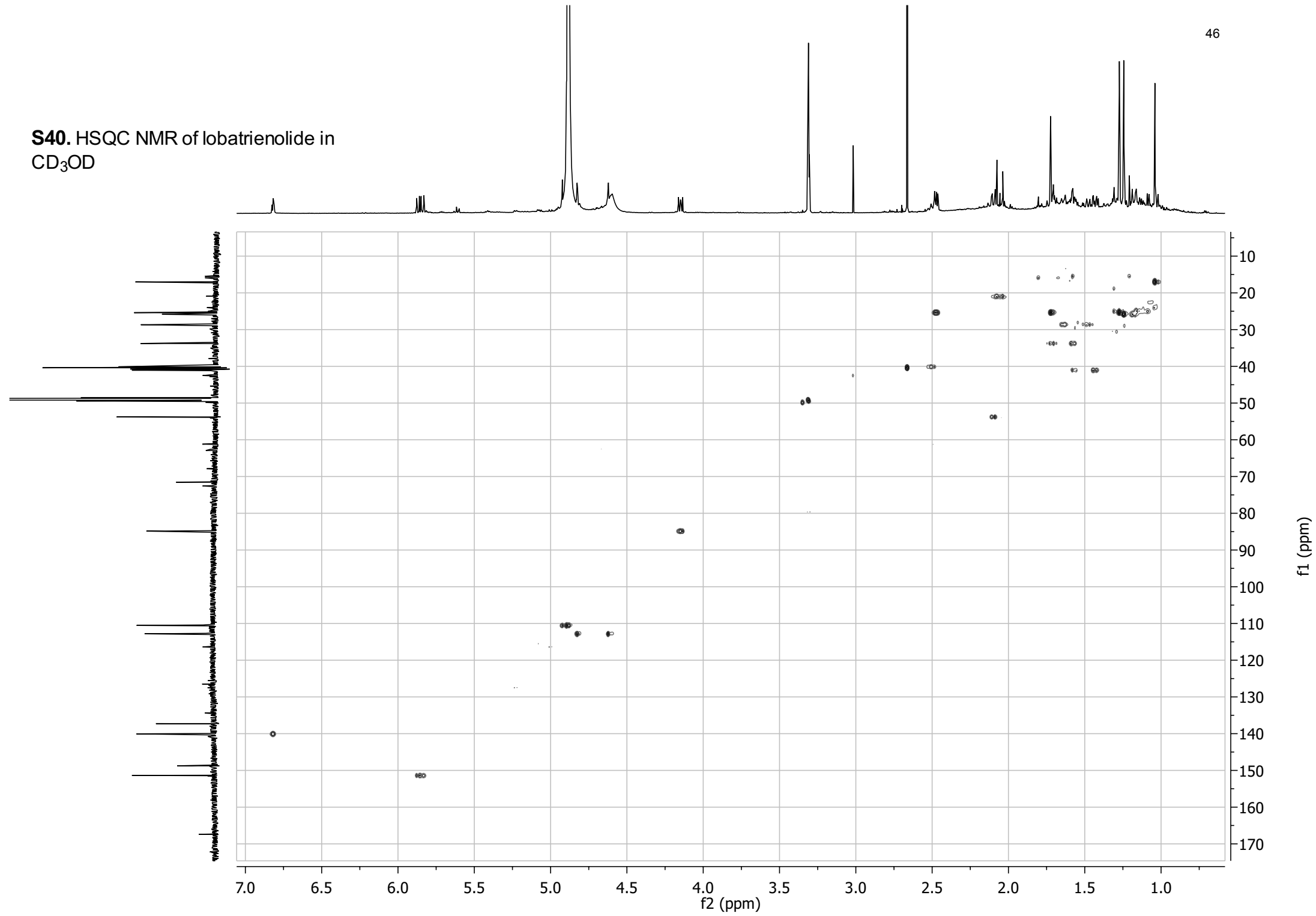
S38. DEPT NMR of lobatrienolide in CD₃OD



S39. COSY NMR of lobatrienolide in CD_3OD



S40. HSQC NMR of lobatrienolide in CD_3OD



S41. HMBC NMR of lobatrienolide in
CD₃OD

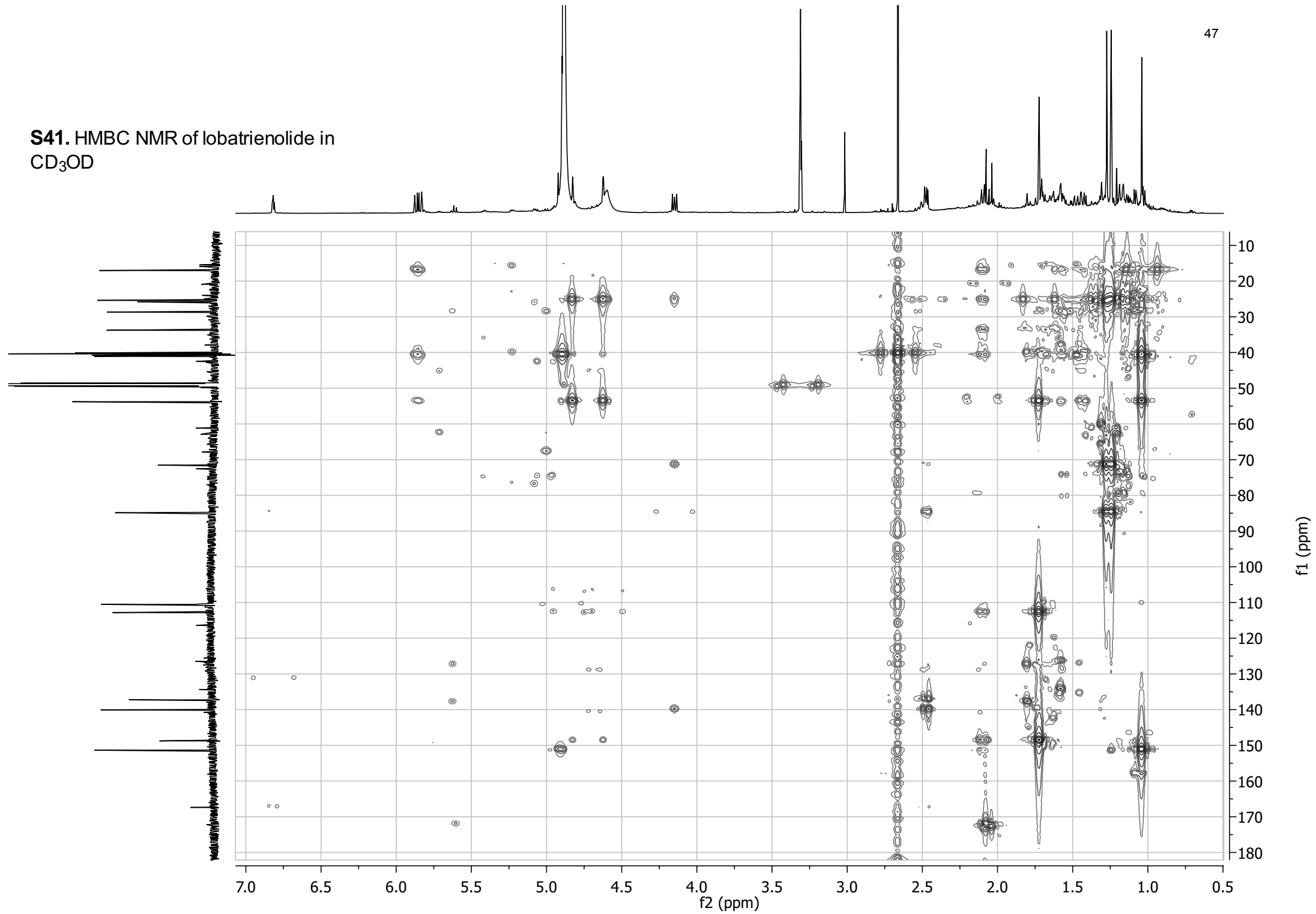
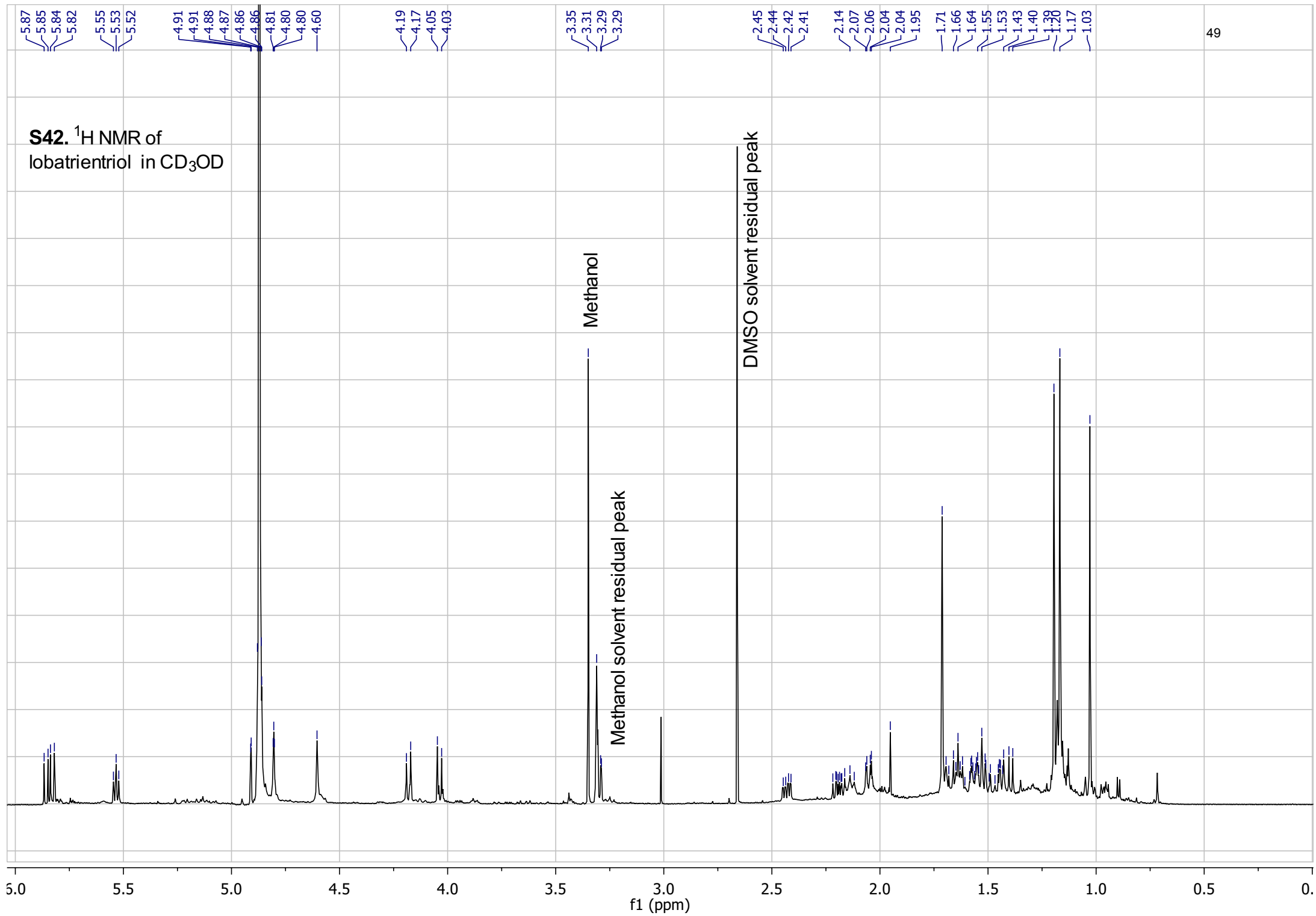


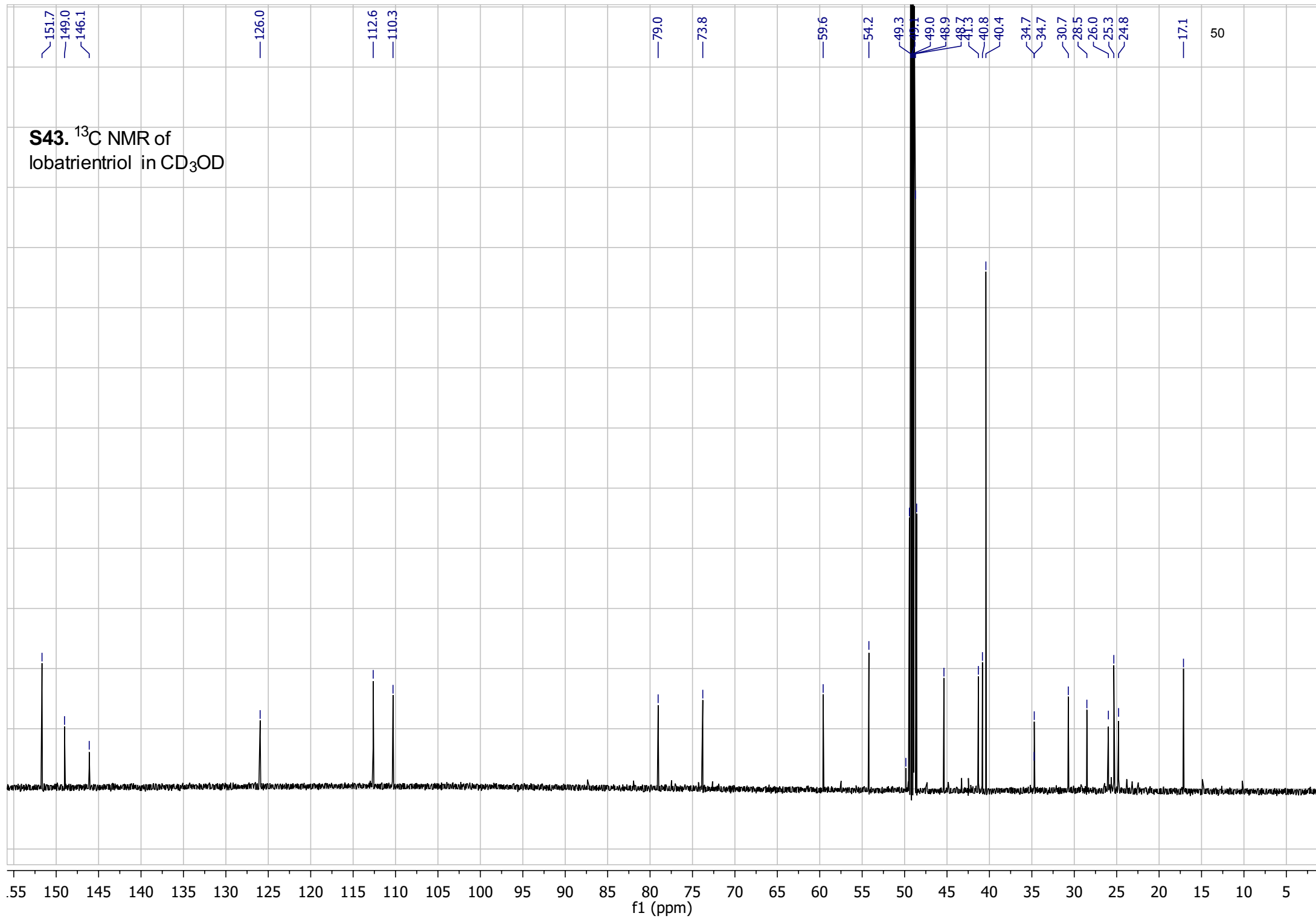
Table S2. ^1H and ^{13}C NMR data (300 MHz and 75 MHz, CD_3OD) for lobatrienolide.

No.	^{13}C δ (m)	^1H δ (m, J Hz)	COSY	gHMBC
1	40.7 (s)			
2	53.8(d)	2.10 (1H, dd, 3.5, 12.7)	H _a -3, H _b -3	C-1, C-3, C-7, C-10, C-11, C-12
3	33.8 (t)	1.71 (1H, m)	H-2, H _b -3, H4	C-1, C-2, C-10, C-11
		1.58 (1H, m)	H-2, H _a -3, H-4	C-1, C-2, C-4, C-5
4	40.2 (d)	2.51 (1H, m)	H _a -3, H _b -3, H _a -5, H _b -5	C-13, C-14, C-15
5	28.5 (t)	1.60 (1H, m)	H4	C-3, C-7
		1.48 (1H, m)	H-4	C-1, C-4
6	41.1 (t)	1.57 (1H, m)	H _b -6	C-1, C-2, C-4, C-5, C-7
		1.43 (1H, m)	H _a -6	C-1, C-2, C-4, C-5, C-7
7	17.1 (q)	1.04 (3H, s)		C-1, C-2, C-5, C-8
8	151.4 (d)	5.85 (1H, dd, 10.8, 17.5)	H-9	C-1, C-2, C-7
9	110.5 (t)	4.92 (1H, dd, 1.4, 17.5)	H-8	C-1, C-2, C-8
		4.89 (1H, dd, 1.4, 10.8)	H-8	C-1, C-2, C-8
10	148.8 (s)			
11	112.8 (t)	4.83 (1H, dq, 1.5, 3.2)	H _b -11, H ₃ -12	C-1, C-2, C-10, C-12
		4.62 (1H, m)	H _a -11, H ₃ -12	C-1, C-2, C-10, C-12
12	25.3 (q)	1.72 (3H, brdd, 0.8, 1.5)	H _a -11, H _b -11	C-1, C-2, C-10, C-11
13	137.3 (s)			
14	167.4 (s)			
15	140.1 (d)	6.82 (1H, ddd, 0.9, 3.6, 4.5)	H-16	C-4, C-14, C-16, C-17
16	25.5 (t)	2.48 (2H, m)	H-15, H-17	C-4, C-13, C-15, C-17, C-18, C-19, C-20
17	84.9 (d)	4.15 (1H, m)	H-16	C-14, C-15, C-18, C-19, C-20
18	71.5 (s)			
19	25.9 (q)	1.24 (3H, s)		C-17, C-18, C20
20	25.4 (q)	1.27 (3H, s)		C-17, C-18, C-19

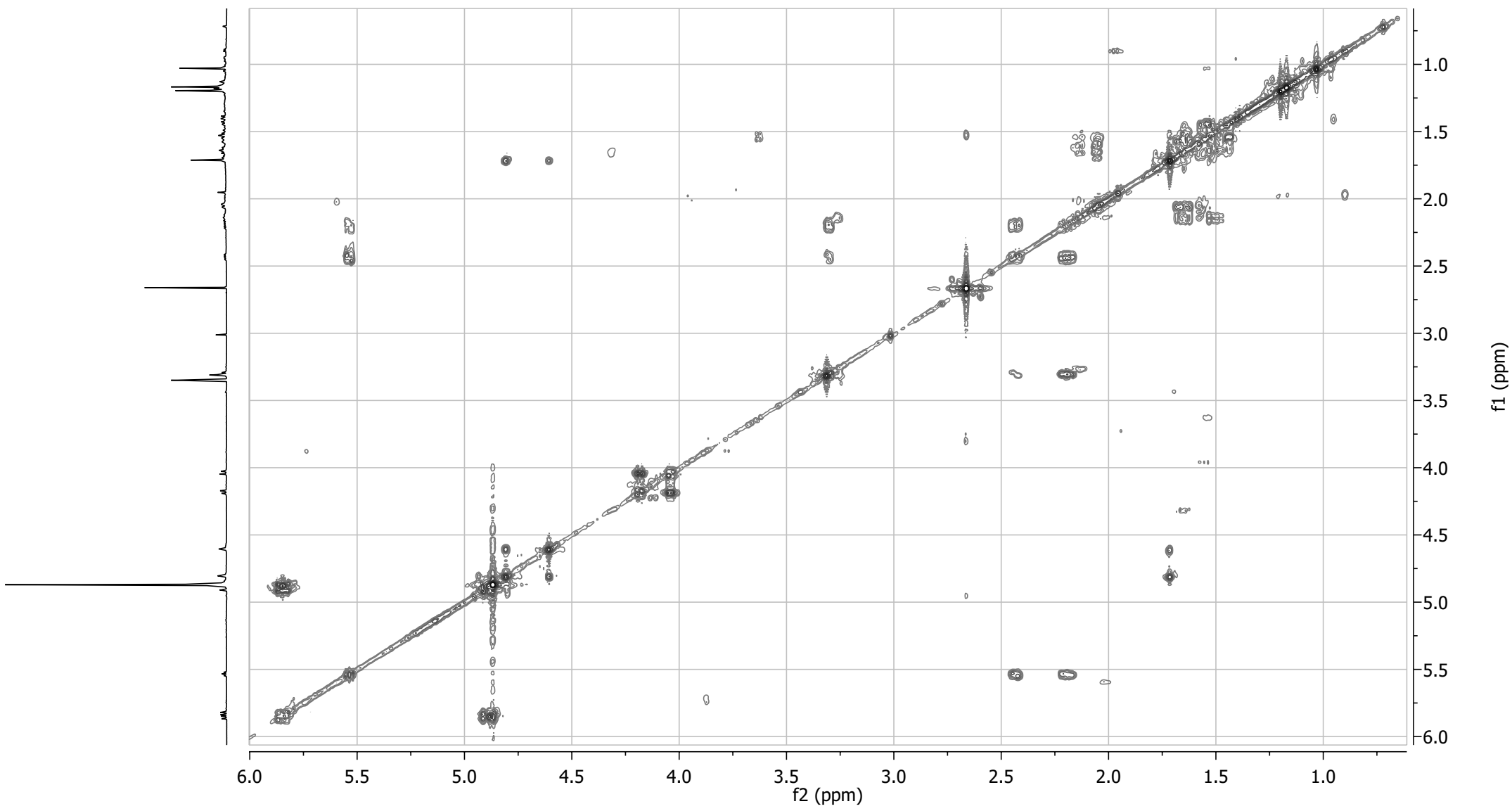
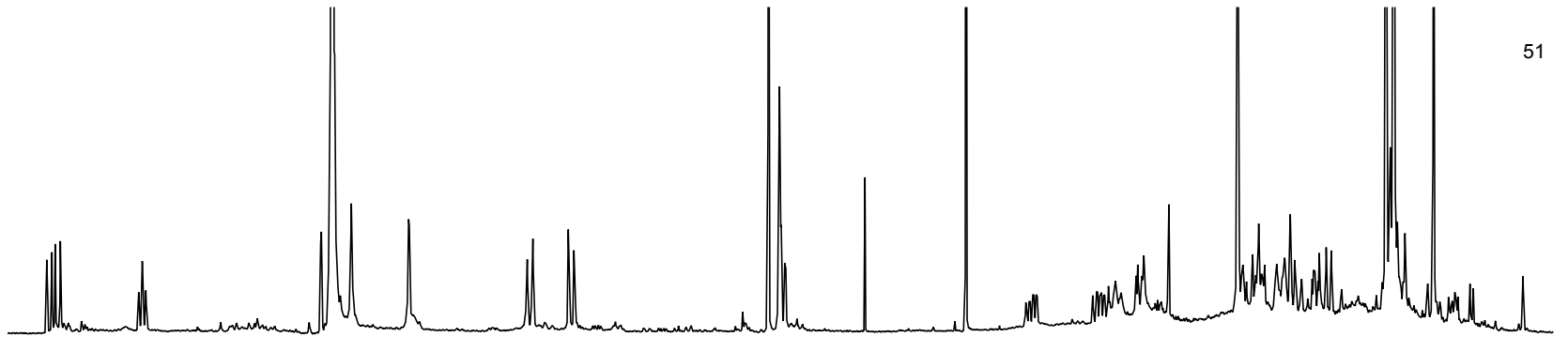
S42. ^1H NMR of lobatrienriol in CD_3OD



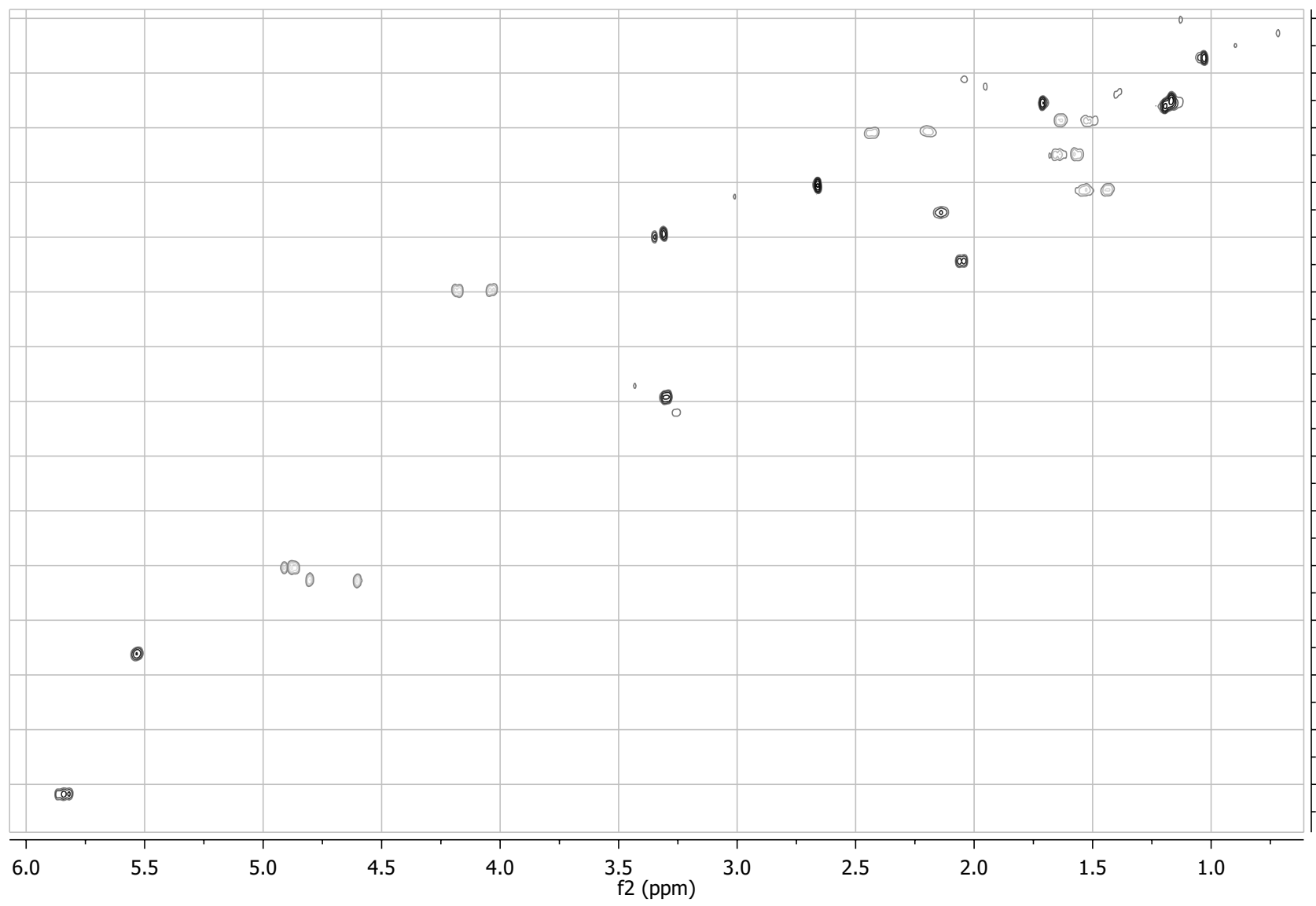
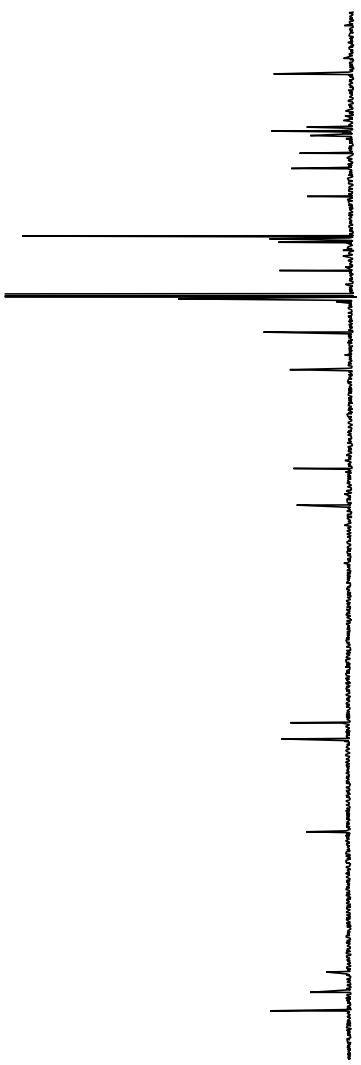
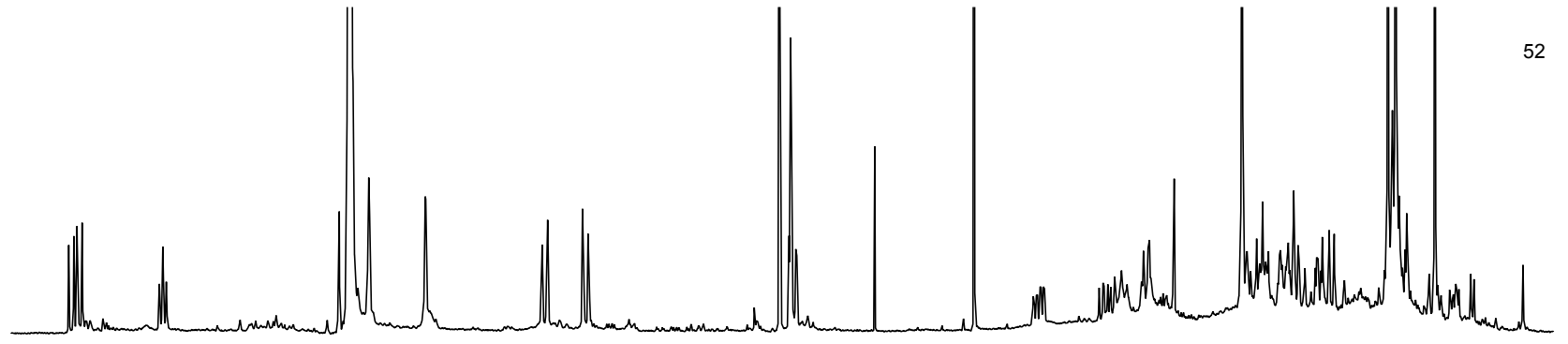
S43. ^{13}C NMR of lobatrienriol in CD_3OD



S44. COSY NMR of lobatrienol in CD₃OD



S45. HSQC NMR of lobatrienol in CD₃OD



f1 (ppm)

f2 (ppm)

S46. HMBC NMR of lobatrienriol in CD₃OD

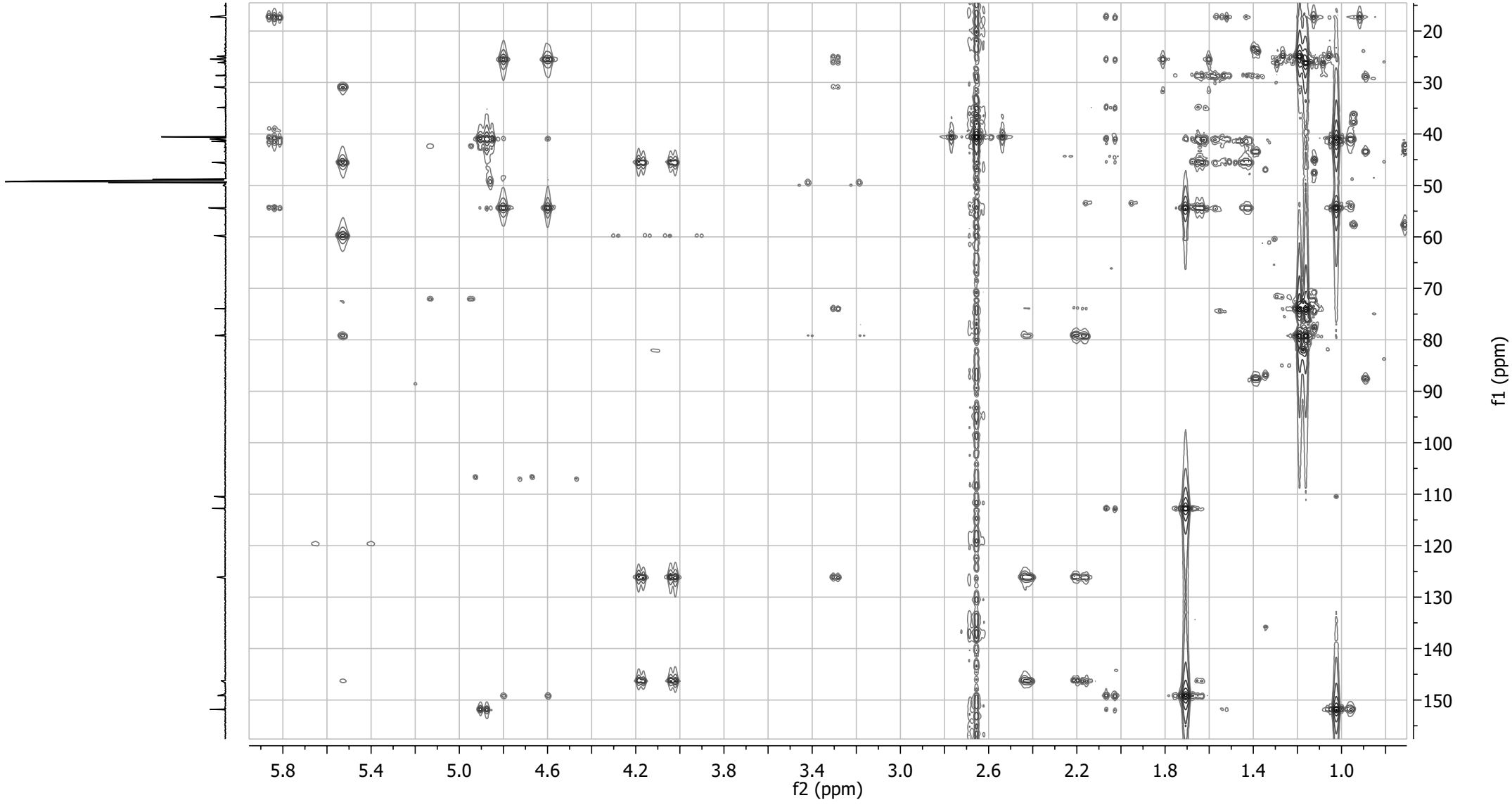
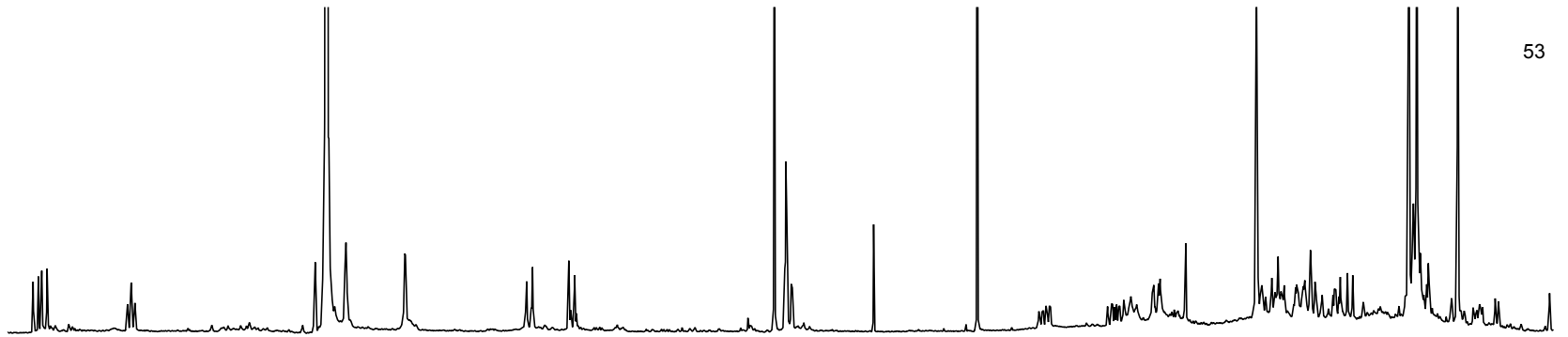
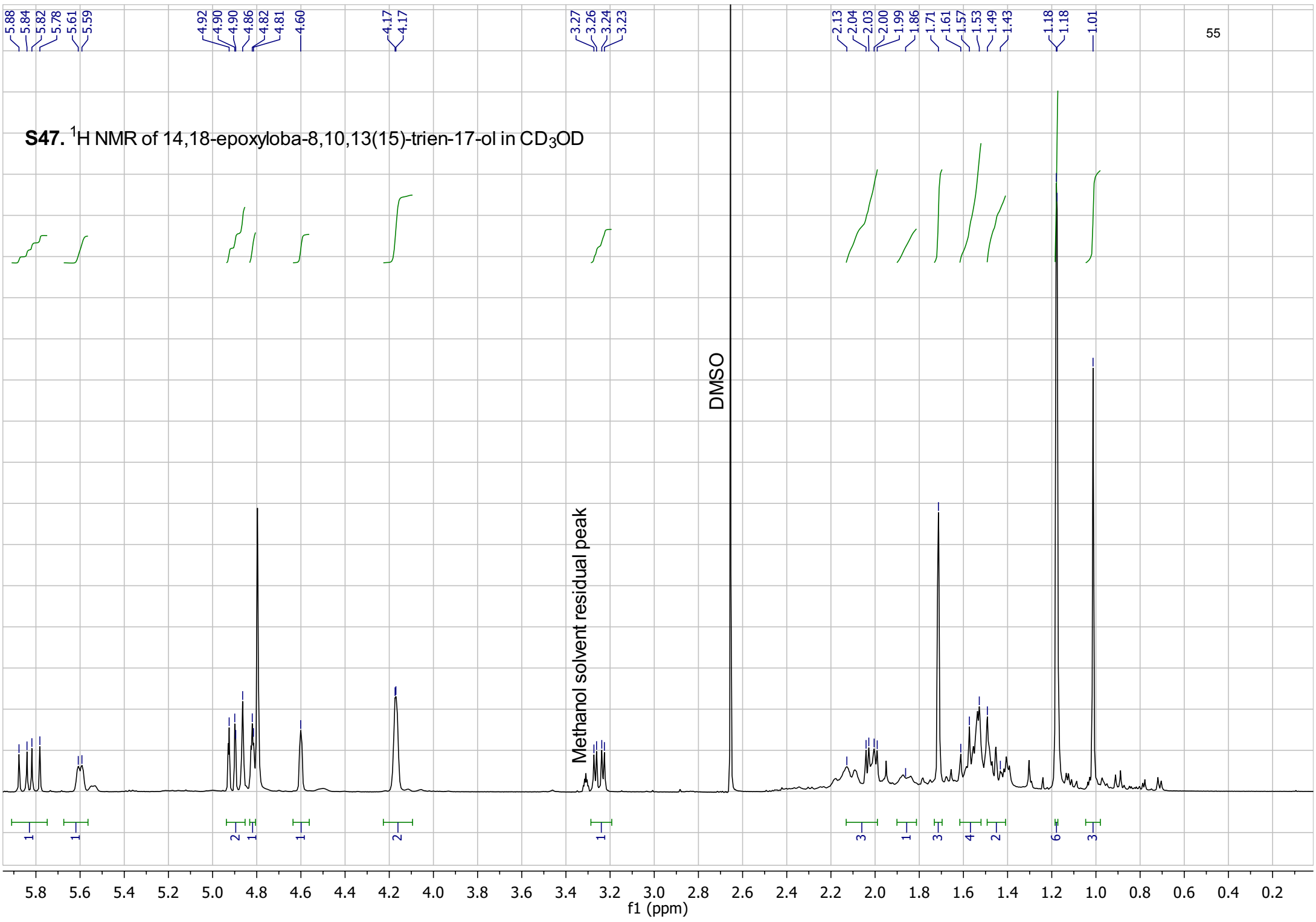
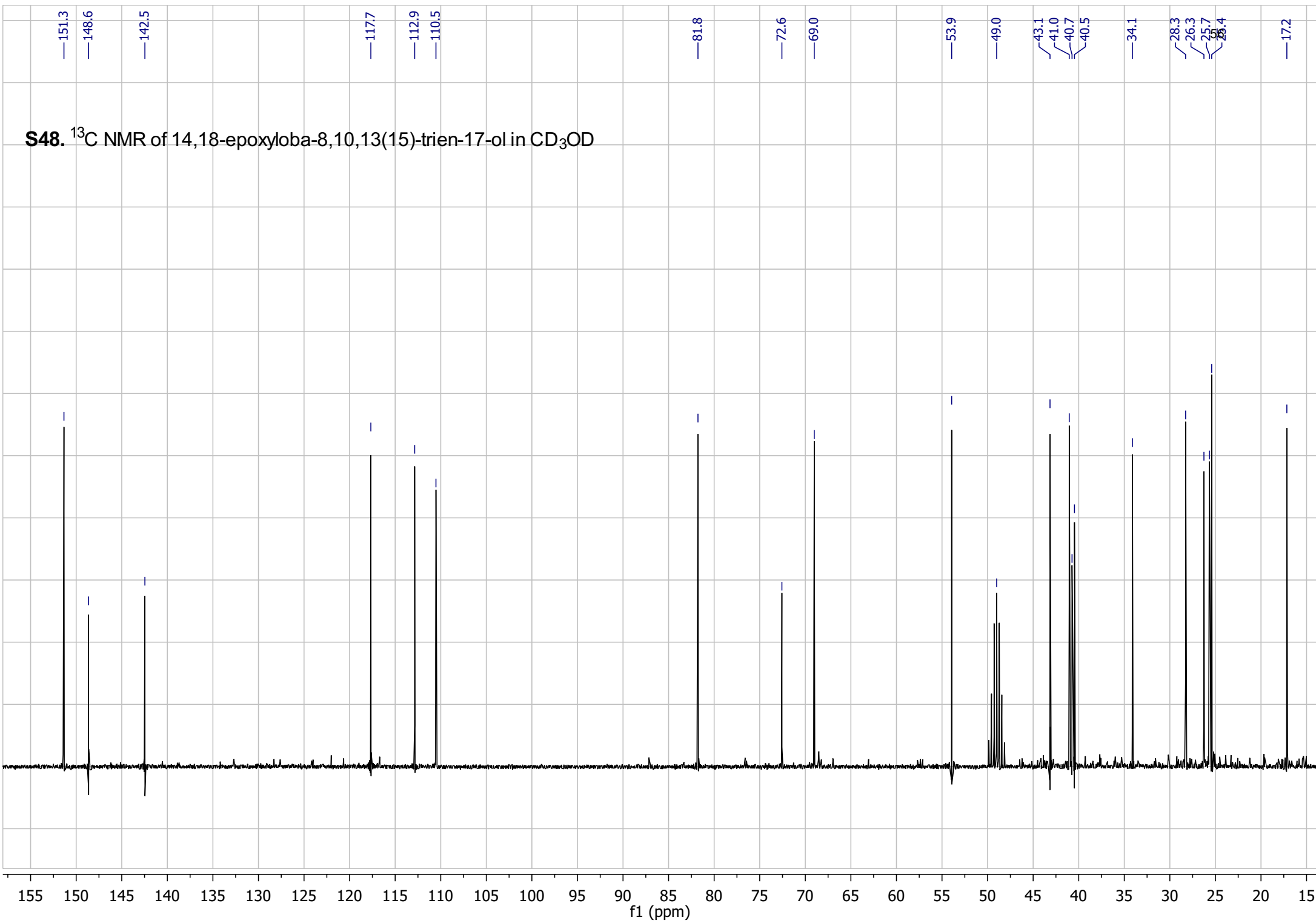


Table S3. ^1H and ^{13}C NMR data (300 MHz and 75 MHz, CD_3OD) for lobatrientriol.

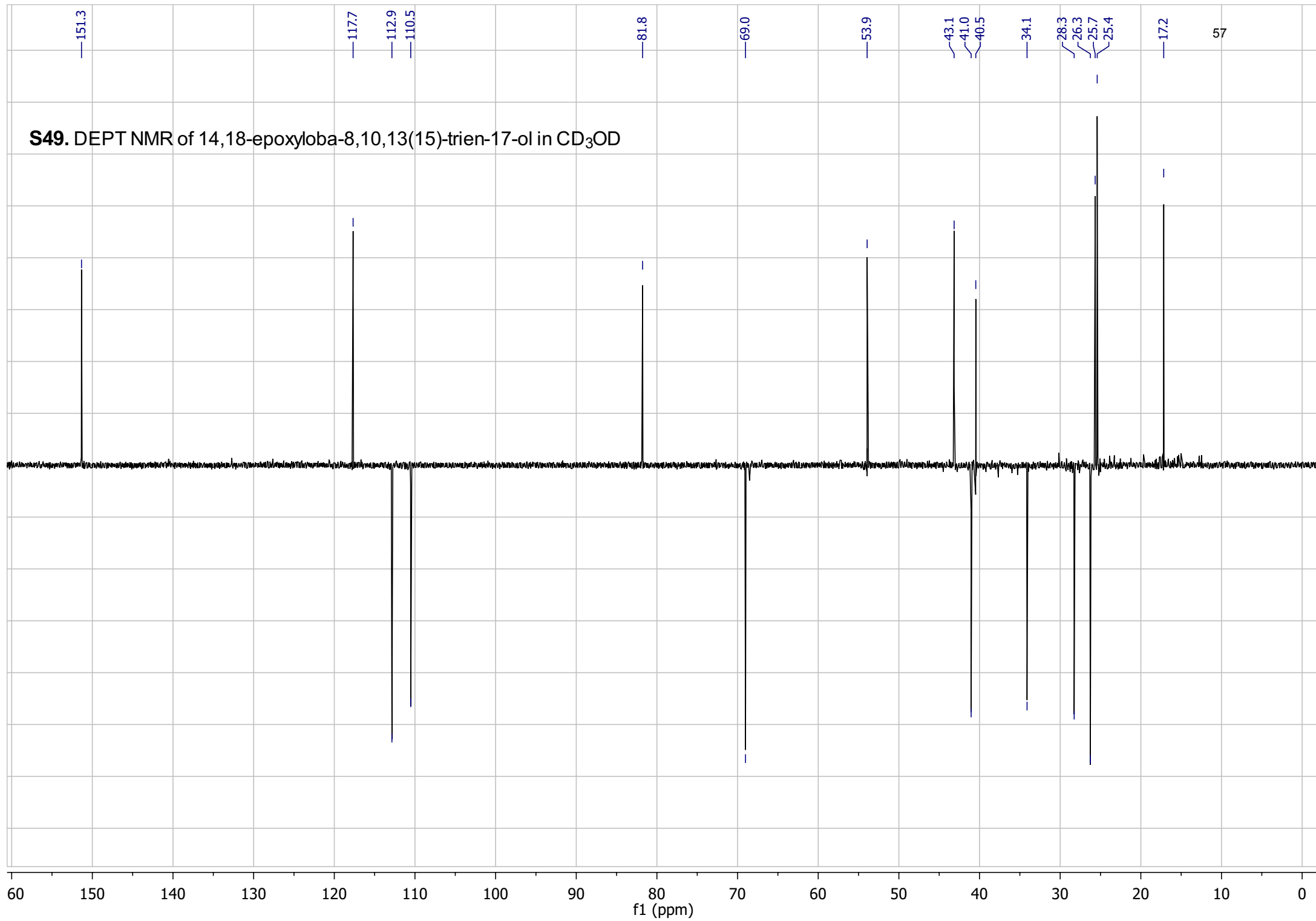
o.	^{13}C δ (m)	^1H δ (m, J Hz)	COSY	gHMBC
1	40.8 (s)			
2	54.2(d)	2.05 (1H, dd, 3.1, 12.8)	H _a -3, H _b -3	C-1, C-3, C-4, C-7, C-8, C-10, C-11, C-12
3	34.7 (t)	1.65 (1H, m)	H-2, H-4	C-1, C-2, C-4, C-5
		1.57 (1H, m)	H-2, H-4	C-1, C-2, C-4, C-5
4	45.4 (d)	2.14 (1H, m)	H _a -3, H _b -3, H _a -5, H _b -5	C-2, C-3, C-5, C-13, C-14, C-15
5	28.5 (t)	1.64 (1H, m)	H-4, H _b -5, H _b -6	C-1, C-2, C-4
		1.52 (1H, m)	H-4, H _a -5, H _b -6	C-1, C-4
6	41.3 (t)	1.53 (1H, m)	H _a -5, H _b -6	C-1, C-4, C-5, C-7
		1.45 (1H, m)	H _a -5, H _b -5, H _a -6	C-1, C-2, C-4, C-7
7	17.1 (q)	1.03 (3H, s)		C-1, C-2, C-6, C-8, C-9
8	151.7 (d)	5.84 (1H, dd, 10.8, 17.6)	H _a -9, H _b -9	C-1, C-2, C-6, C-7
9	110.3 (t)	4.91 (1H, d, 1.4, 17.6)	H-8, H _b -9	C-1, C-2, C-8
		4.87 (1H, 1.4, 10.8)	H-8, H _b -9	C-1, C-2, C-8
10	149.0 (s)			
11	112.6 (t)	4.81 (1H, dq, 1.4, 3.2)	H _b -11, H ₃ -12	C-1, C-2, C-10, C-12
		4.60 (1H, brs)	H _a -11, H ₃ -12	C-1, C-2, C-10, C-12
12	25.3 (q)	1.71 (3H, brs)	H _a -11, H _b -11	C-1, C-2, C-10, C-11
13	146.1 (s)			
14	59.6 (t)	4.18 (1H, d, 11.8)	H _b -14, H-15	C-4, C-13, C-15
		4.04 (1H, d, 11.8)	H _a -14	C-4, C-13, C-15
15	126.0(d)	5.53 (1H, brdd, 7.3, 8.2)	H _a -14, H _a -16, H _b -16	C-4, C-13, C-14, C-16, C-17
16	30.7(t)	2.43 (1H, ddd, 2.3, 7.3, 14.6)	H-15, H _b -16, H-17	C-13, C-15, C-17, C-18
		2.19 (1H, ddd, 8.2, 10.3, 14.6)	H-15, H _a -16, H-17	C-13, C-15, C-17, C-18
17	79.1 (d)	3.29 (1H, brd, 2.3)	H _a -16, H _b -16	C-15, C-16, C-18, C-19, C-20
18	73.8 (s)			
19	24.8 (q)	1.17 (3H, s)		C-17, C-18, C-20
20	26.0(q)	1.20 (3H, s)		C-17, C-18, C-19

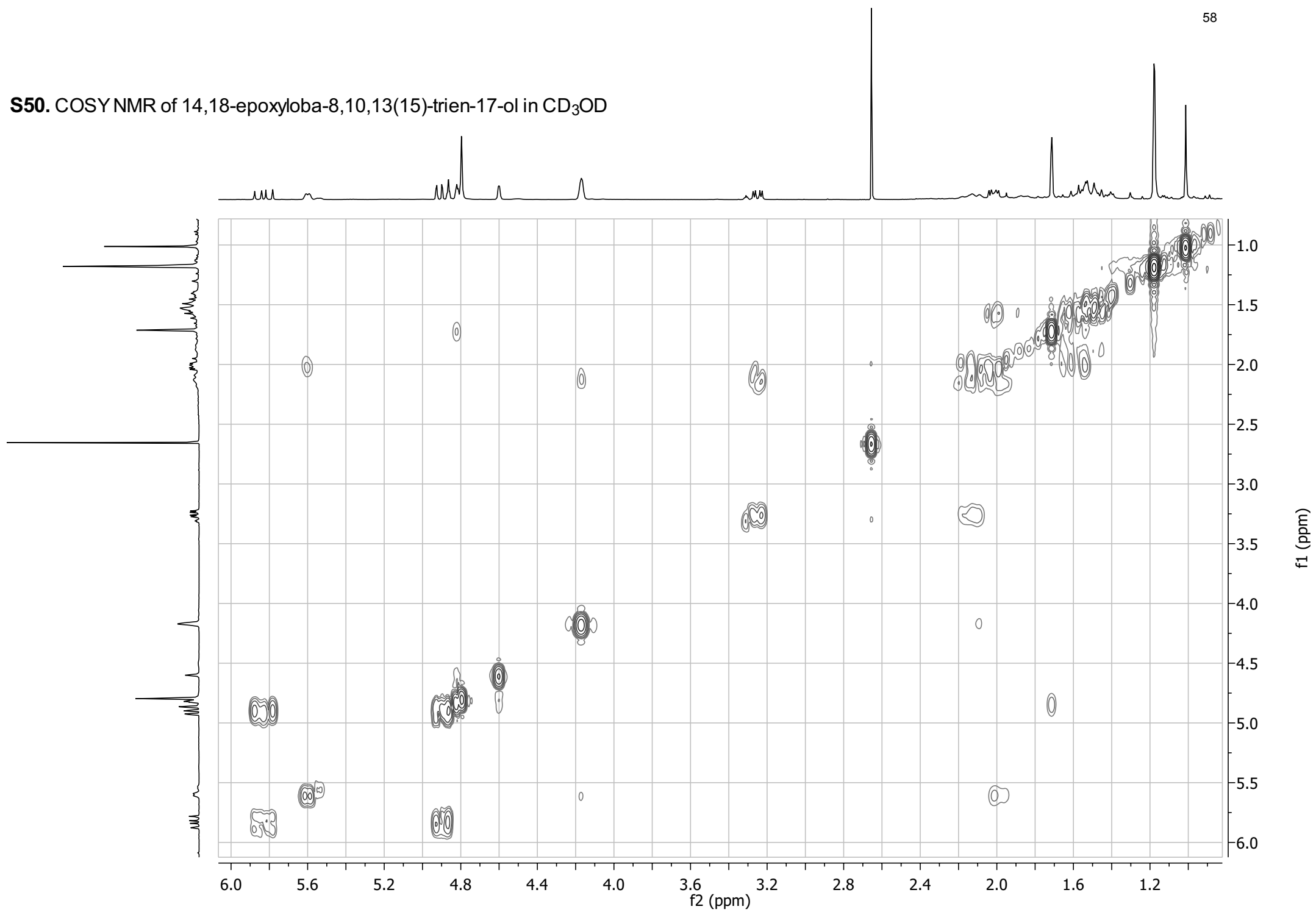


S48. ¹³C NMR of 14,18-epoxyloba-8,10,13(15)-trien-17-ol in CD₃OD

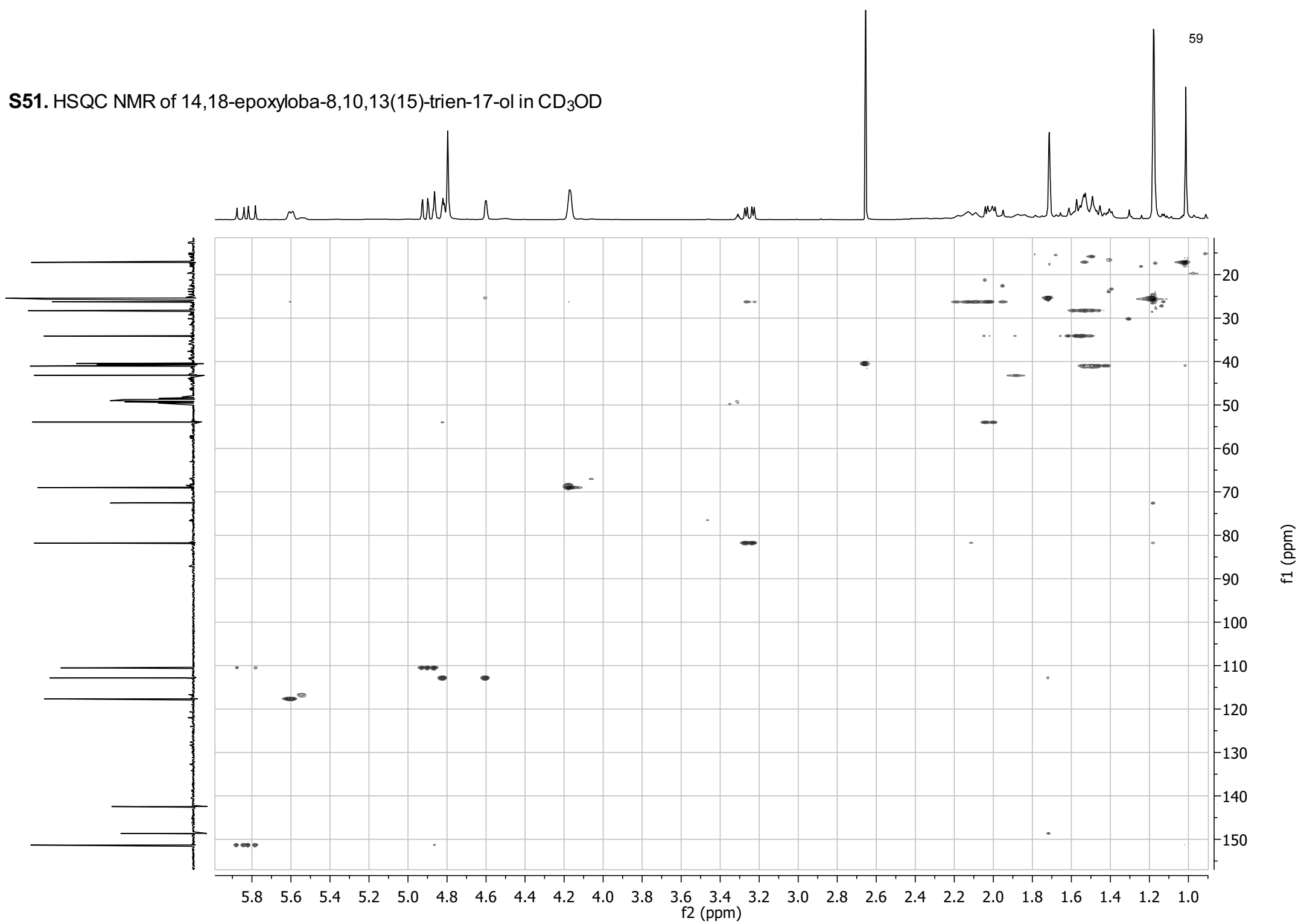


S49. DEPT NMR of 14,18-epoxyloba-8,10,13(15)-trien-17-ol in CD₃OD



S50. COSY NMR of 14,18-epoxyloba-8,10,13(15)-trien-17-ol in CD₃OD

S51. HSQC NMR of 14,18-epoxyloba-8,10,13(15)-trien-17-ol in CD₃OD



S52. HMBC NMR of 14,18-epoxyloba-8,10,13(15)-trien-17-ol in CD₃OD

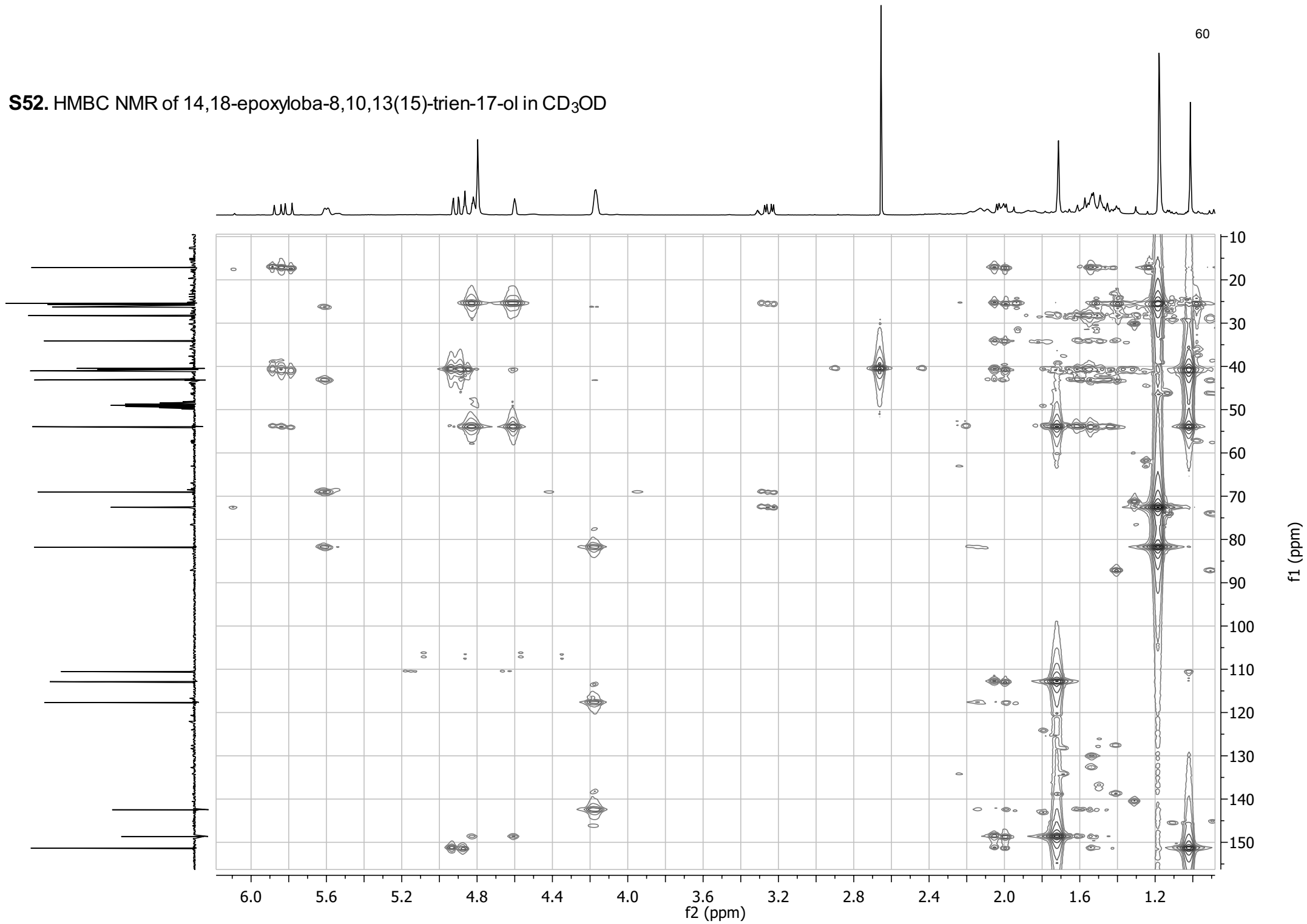
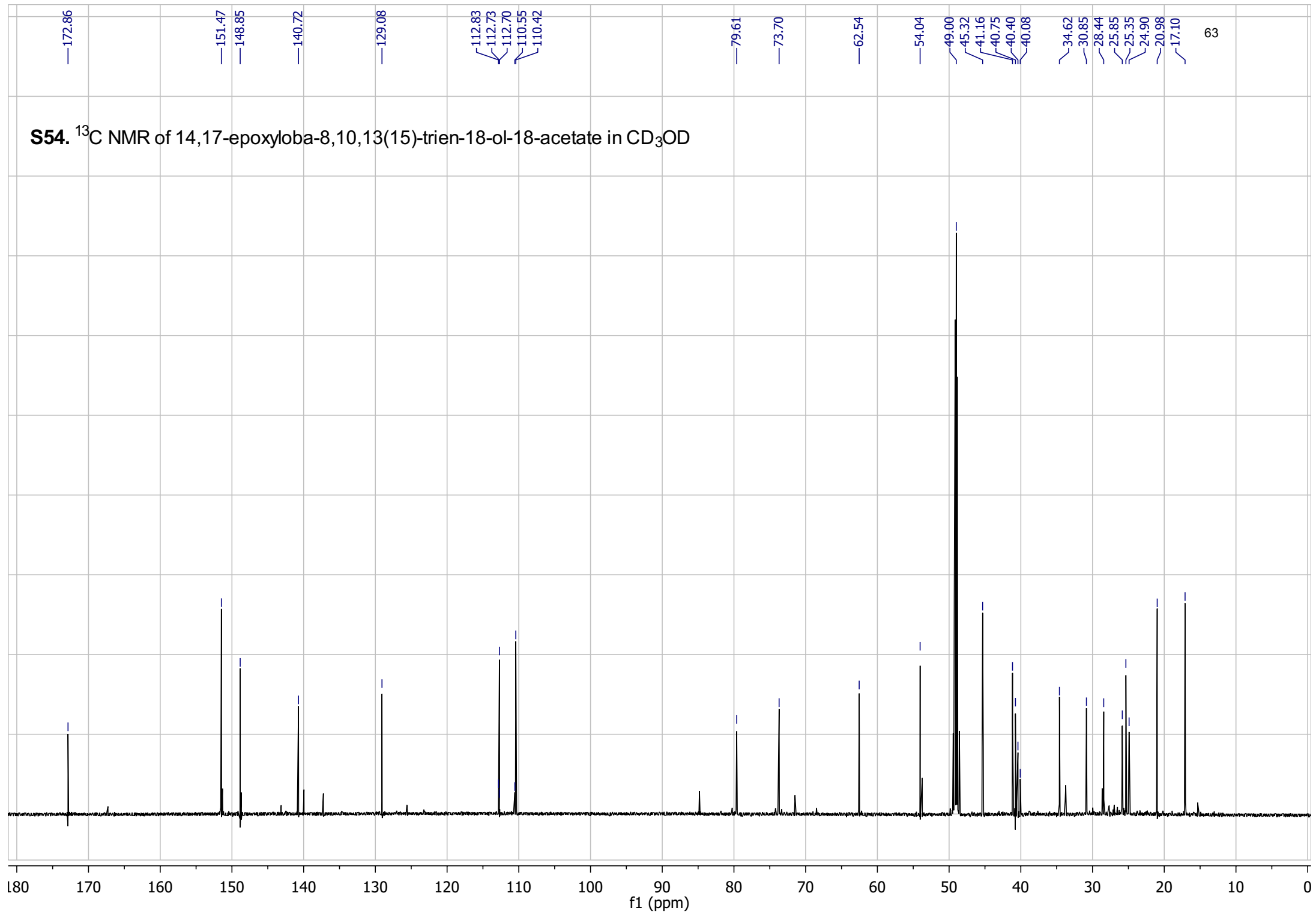


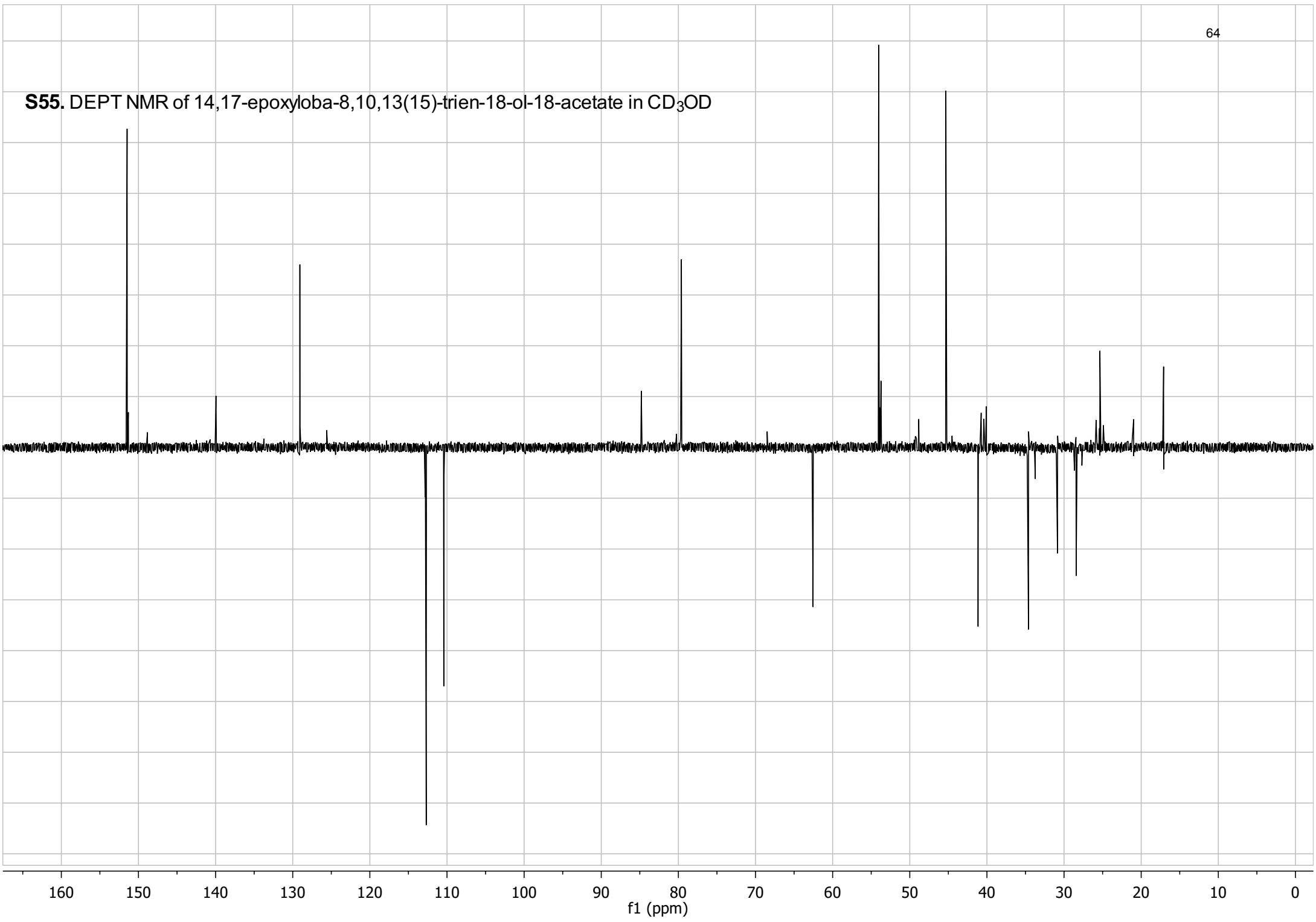
Table S4. ^1H and ^{13}C NMR data (300 MHz and 57 MHz, CD_3OD) for 14,18-epoxyloba-8,10,13(15)-trien-17-ol.

o.	^{13}C δ (m)	^1H δ (m, J Hz)	COSY	gHMBC
1	40.7 (s)			
2	53.9(d)	2.01 (1H, dd, 4.0, 11.2)	H _a -3, H _b -3	C-1, C-6, C-7, C-8, C-10, C-11, C-12
3	34.1 (t)	1.60 (1H, m)	H-2, H _b -3, H4	C-2, C-4, C-5, C-10, C-13
		1.52 (1H, m)	H-2, H _a -3, H-4	C-1, C-2, C-4, C-5, C-10, C-12, C-13
4	43.2 (d)	1.86 (1H, m)	H _b -3, H _a -5, H _b -5	C-3, C-5, C-13
5	28.3 (t)	1.57 (1H, m)	H4	C-3, C-2, C-4, C-13
		1.48 (1H, m)	H-4	C-3, C-4
6	41.0 (t)	1.52 (1H, m)	H _b -6	C-2, C-3, C-5, C-7, C-8, C-10
		1.43 (1H, m)	H _a -6	C-2, C-3, C-5, C-7, C-8, C-10
7	17.2 (q)	1.01 (3H, s)		C-1, C-2, C-6, C-8
8	151.3 (d)	5.83 (1H, 10.9, 17.5)	H-9	C-1, C-2, C-6, C-7
9	110.5 (t)	4.90 (1H, dd, 1.4, 17.5)	H-8, H _b -9	C-1, C-8
		4.88 (1H, t, 1.4, 10.9)	H-8, H _b -9	C-1, C-8
10	148.6 (s)			
11	112.9 (t)	4.82 (1H, dq, 1.3, 2.9)	H _b -11, H ₃ -12	C-1, C-2, C-10, C-12
		4.60 (1H, brs)	H _a -11, H ₃ -12	C-1, C-2, C-10, C-12
12	25.4 (q)	1.71 (3H, brs)	H _a -11, H _b -11	C-1, C-2, C-10, C-11
13	142.5 (s)			
14	69.0 (t)	4.17 (2H, m)	H-15	C-4, C-13, C-15, C-16, C-17
15	117.7(d)	5.60 (1H, brddd, 1.2, 3.7, 3.8)	H-14	C-4, C-14, C-16, C-17
16	26.3 (t)	2.13 (1H, m)	H-15, H _b -16, H-17, H-14	C-13, C-15, C-17
		2.01 (1H, m)	H-15, H _a -16, H-17, H-14	
17	82.1 (d)	3.25 (1H, dd, 3.6, 10.7)	H-16	C-14, C-16, C-18
18	72.6 (s)			
19	25.7 (q)	1.17 (3H, s)		C-16, C-17, C-18
20	25.7 (q)	1.18 (3H, s)		C-16, C-17, C-18

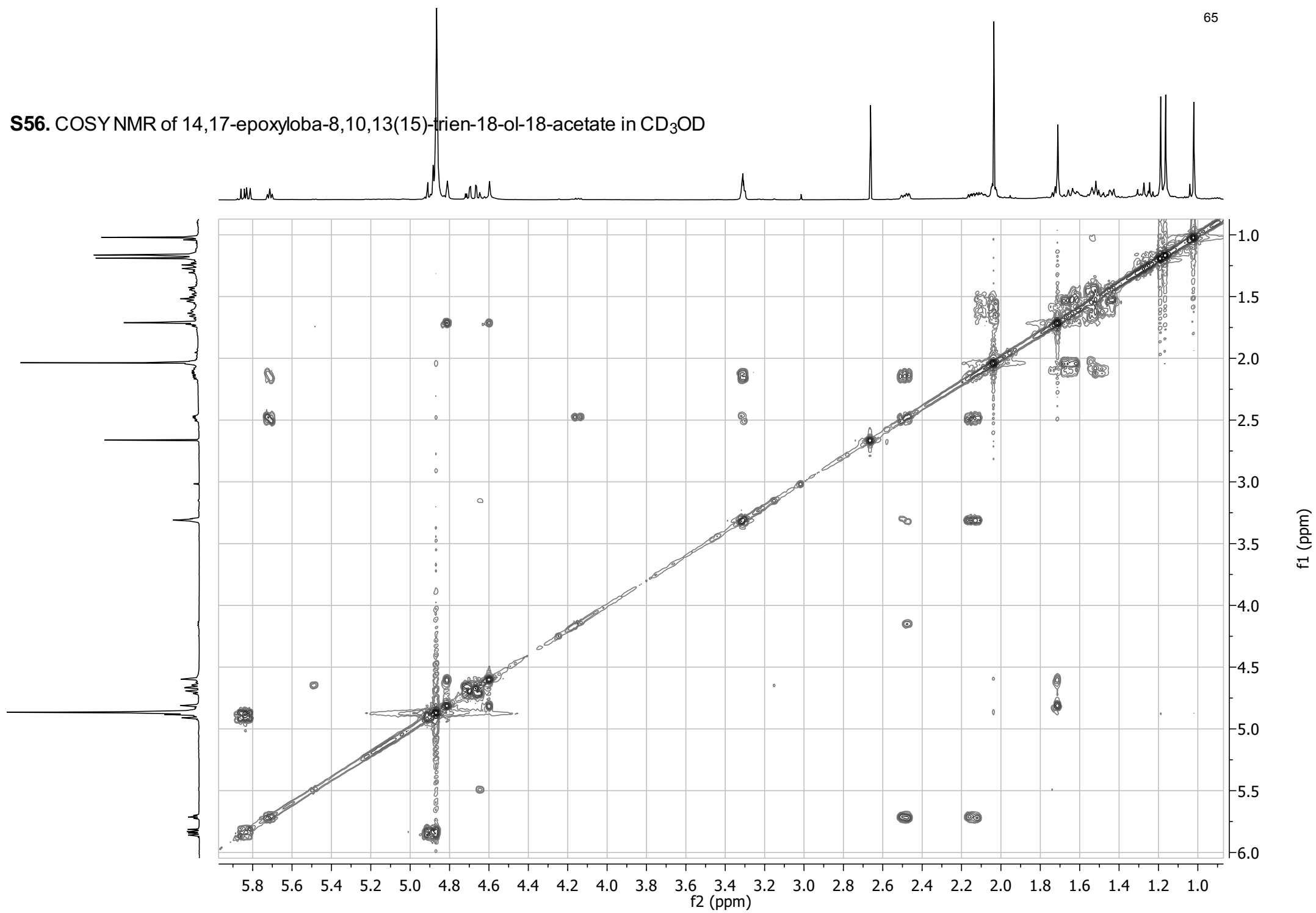
S54. ^{13}C NMR of 14,17-epoxyloba-8,10,13(15)-trien-18-ol-18-acetate in CD_3OD



S55. DEPT NMR of 14,17-epoxyloba-8,10,13(15)-trien-18-ol-18-acetate in CD₃OD

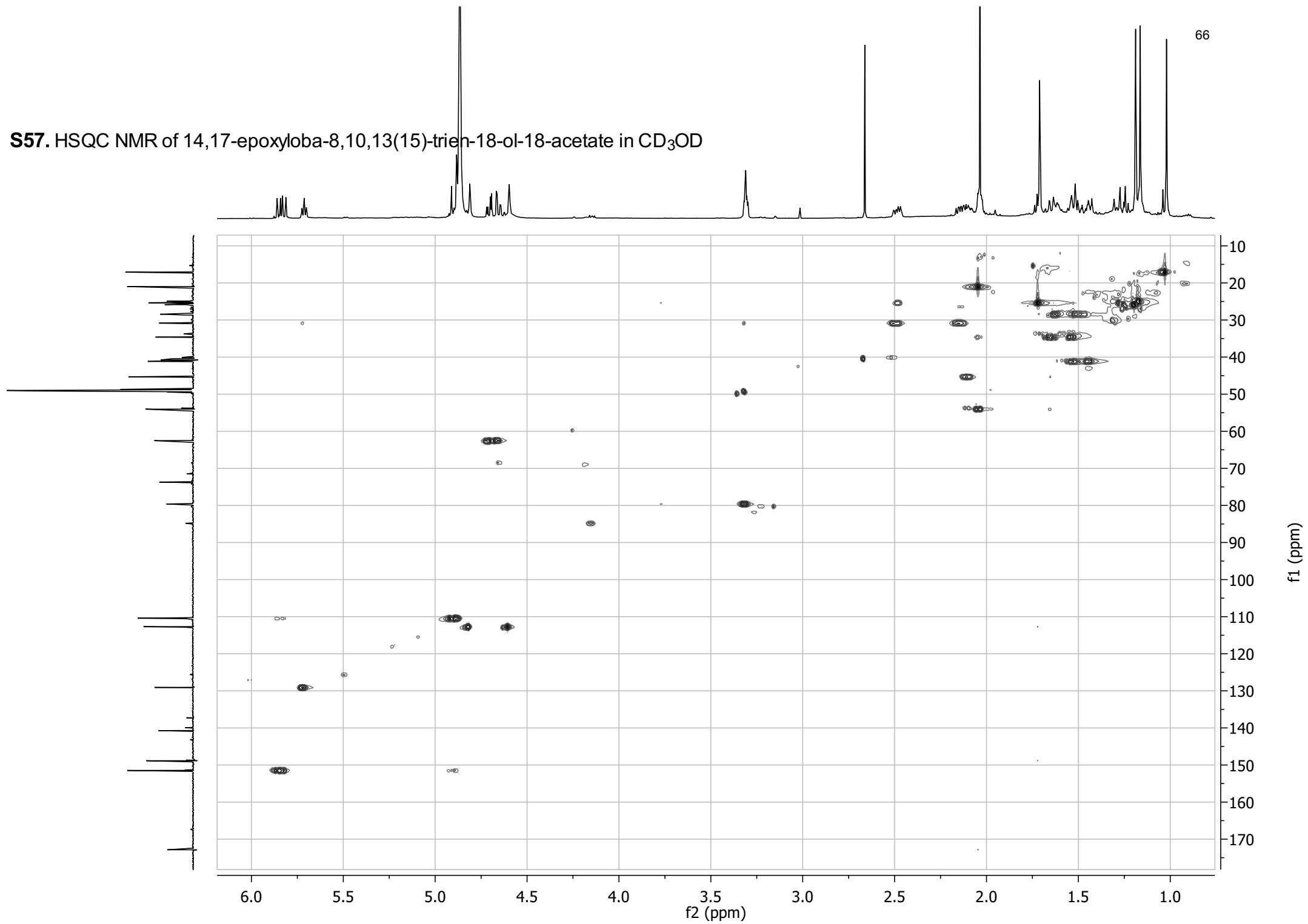


f1 (ppm)

S56. COSY NMR of 14,17-epoxyloba-8,10,13(15)-trien-18-ol-18-acetate in CD₃OD

S57. HSQC NMR of 14,17-epoxyloba-8,10,13(15)-trien-18-ol-18-acetate in CD₃OD

66



S58. HMBC NMR of 14,17-epoxyloba-8,10,13(15)-trien-18-ol-18-acetate in CD₃OD

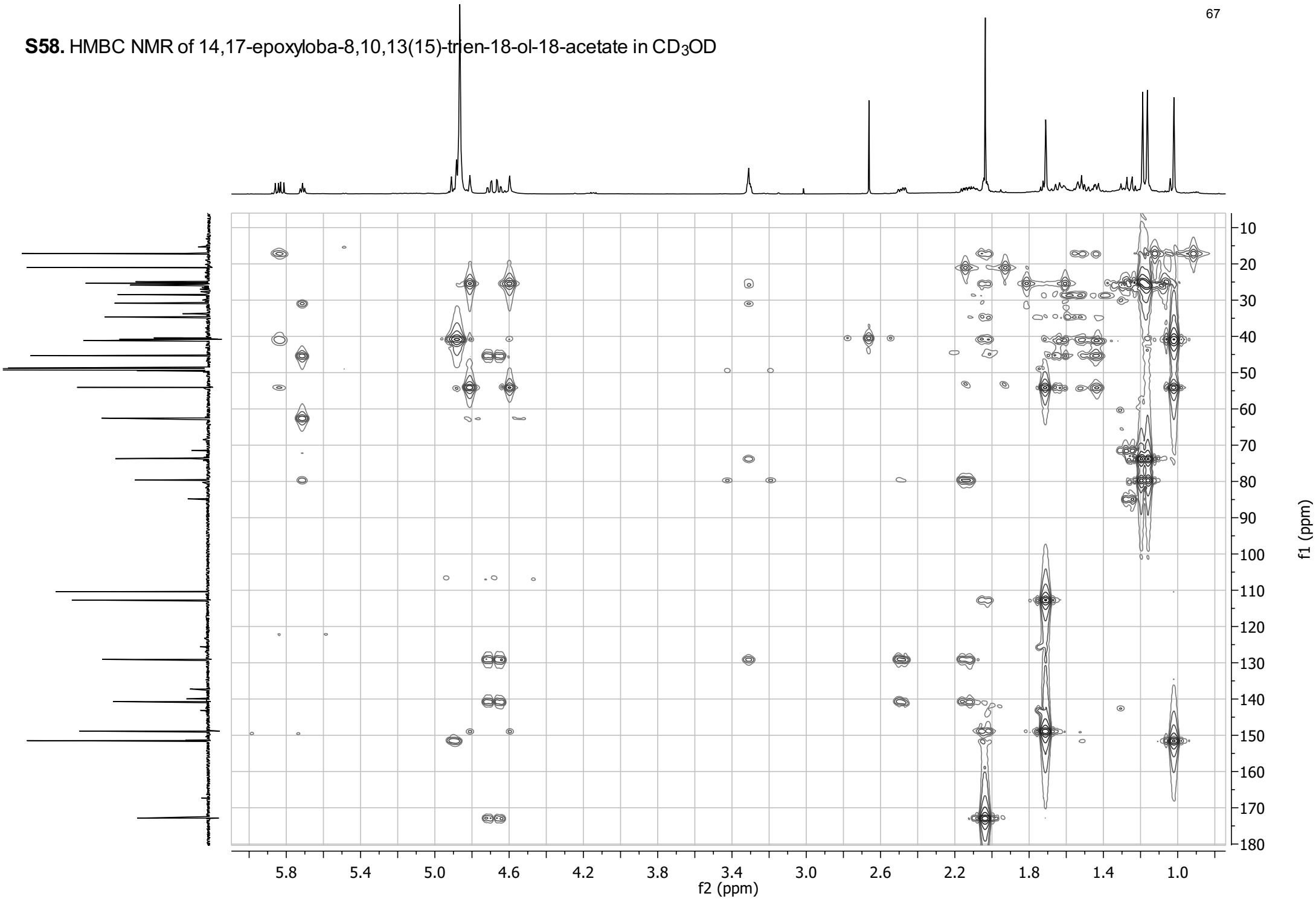
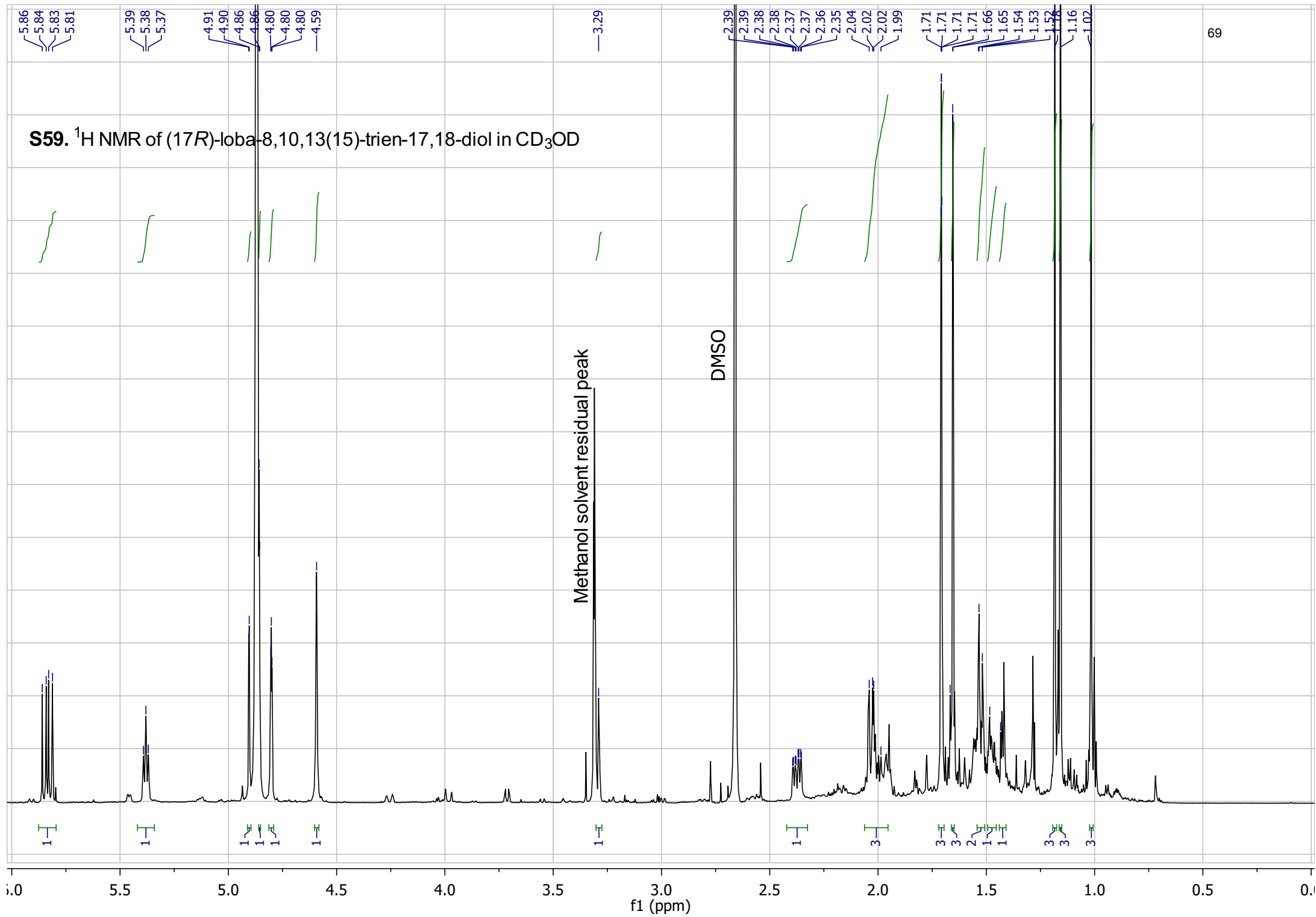


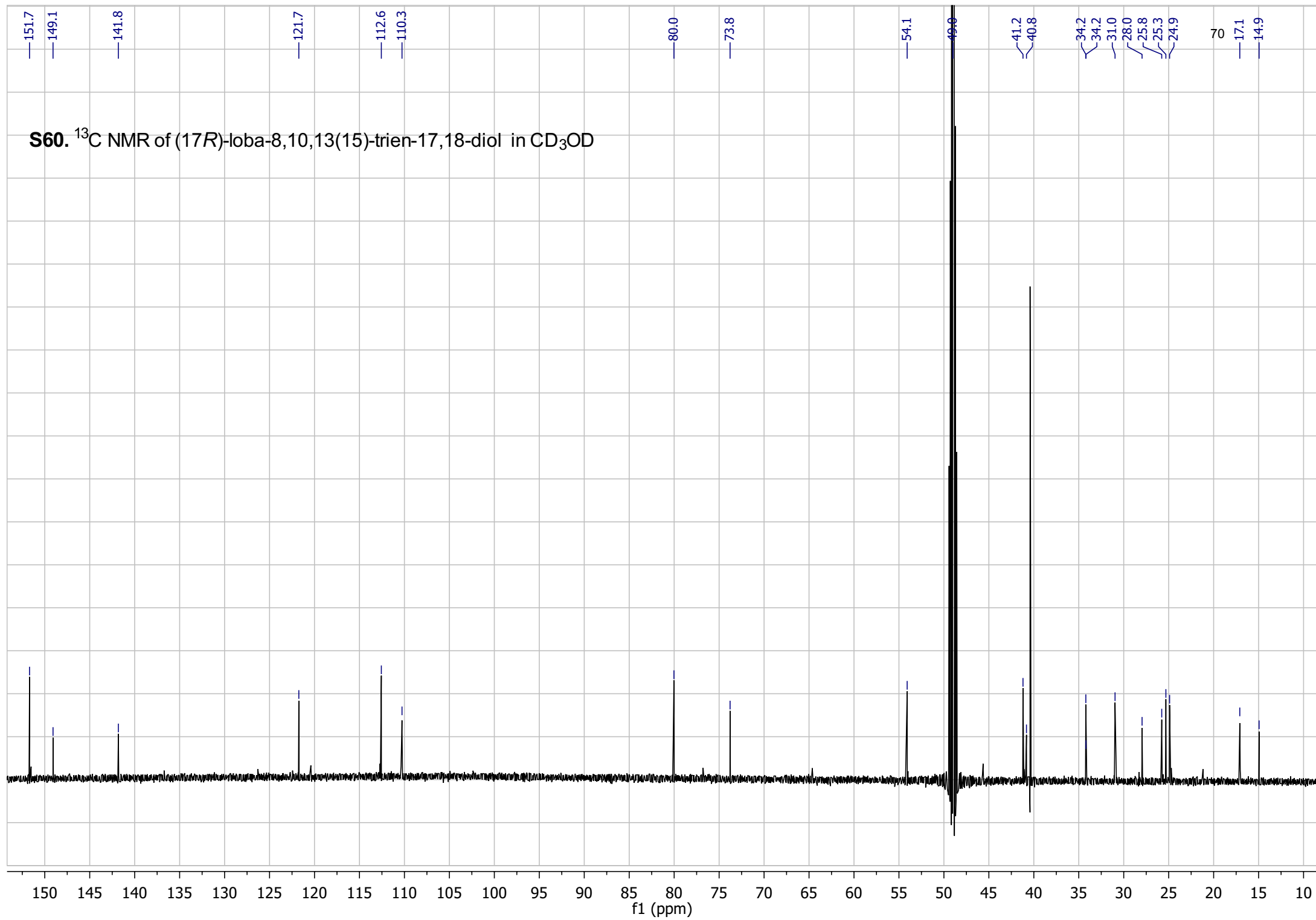
Table S5. ^1H and ^{13}C NMR data (300 MHz and 75 MHz, CD_3OD) for 14,17-epoxyloba-8,10,13(15)-trien-18-ol-18-acetate.

No.	^{13}C δ (m)	^1H δ (m, J Hz)	COSY	gHMBC
1	40.8 (s)			
2	54.0 (d)	2.04 (1H, m)	H _a -3, H _b -3	C-1, C-3, C-5, C-6, C-7, C-10, C-11, C-12
3	34.6 (t)	1.66 (1H, m) 1.54 (1H, dt, 4.0, 6.7)	H _b -3, H4 H-2, H _a -3	C-1, C-2, C-4, C-5 C-1, C-2, C-4, C-5, C-7
4	45.3 (d)	2.11 (1H, m)	H-15	C-2, C-13, C-14, C-15
5	28.4 (t)	1.64 (1H, m) 1.50 (1H, m)	H _b -5, H-6 H _a -5	C-1, C-2, C-4 C-8, C-10
6	41.2 (t)	1.55 (1H, m) 1.44 (1H, m)	H _a -5	C-1, C-2, C-4, C-5, C-1, C-2, C-4, C-5, C-7, C-8, C-10, C-13
7	17.1 (q)	1.02 (3H, s)		C-1, C-2, C-8, C-9
8	151.5 (d)	5.84 (1H, 10.8, 17.5)	H-9	C-1, C-2, C-7
9	110.4 (t)	4.91 (1H, dd, 1.4, 17.5) 4.89 (1H, t, 1.4, 10.8)	H-8 H-8	C-1, C-2, C-8 C-1, C-2, C-8
10	148.9 (s)			
11	112.7 (t)	4.81 (1H, brdq, 1.7, 3.0) 4.60 (1H, brdq, 0.8, 3.0)	H _b -11, H ₃ -12 H _a -11, H ₃ -12	C-1, C-2, C-10, C-12 C-1, C-2, C-10, C-12
12	25.4 (q)	1.71 (3H, brdd, 0.8)	H _a -11, H _b -11	C-2, C-10, C-11
13	141.7 (s)			
14	62.5 (t)	4.71 (1H, dd, 3.7, 12.1) 4.66 (1H, dd, 2.6, 12.1)		C-4, C-13, C-15, C-22
15	129.1 (d)	5.71 (1H, brt, 7.2)	H _a -16, H _b -16	C-4, C-13, C-14, C-16, C-17
16	30.9 (t)	2.49 (1H, ddd, 2.4, 7.2, 15.2) 2.13 (1H, ddd, 7.2, 10.1, 15.2)	H-15 H-14, H-15, H _a -16	C-4, C-13, C-14, C-15, C-17, C-18 C-13, C-14, C-15, C-18
17	79.6 (d)	3.31 (1H, dd, 2.4, 10.1)	H _a -16, H _b -16	C-15, C-16, C-18, C-19, C-20
18	73.7 (s)			
19	24.9 (q)	1.16 (3H, s)		C-14, C-18, C20
20	25.9 (q)	1.19 (3H, s)		C-14, C-18, C-19
OAc	172.9 (s)			
OAcMe	21.0 (q)	2.04 (3H, s)		C-22

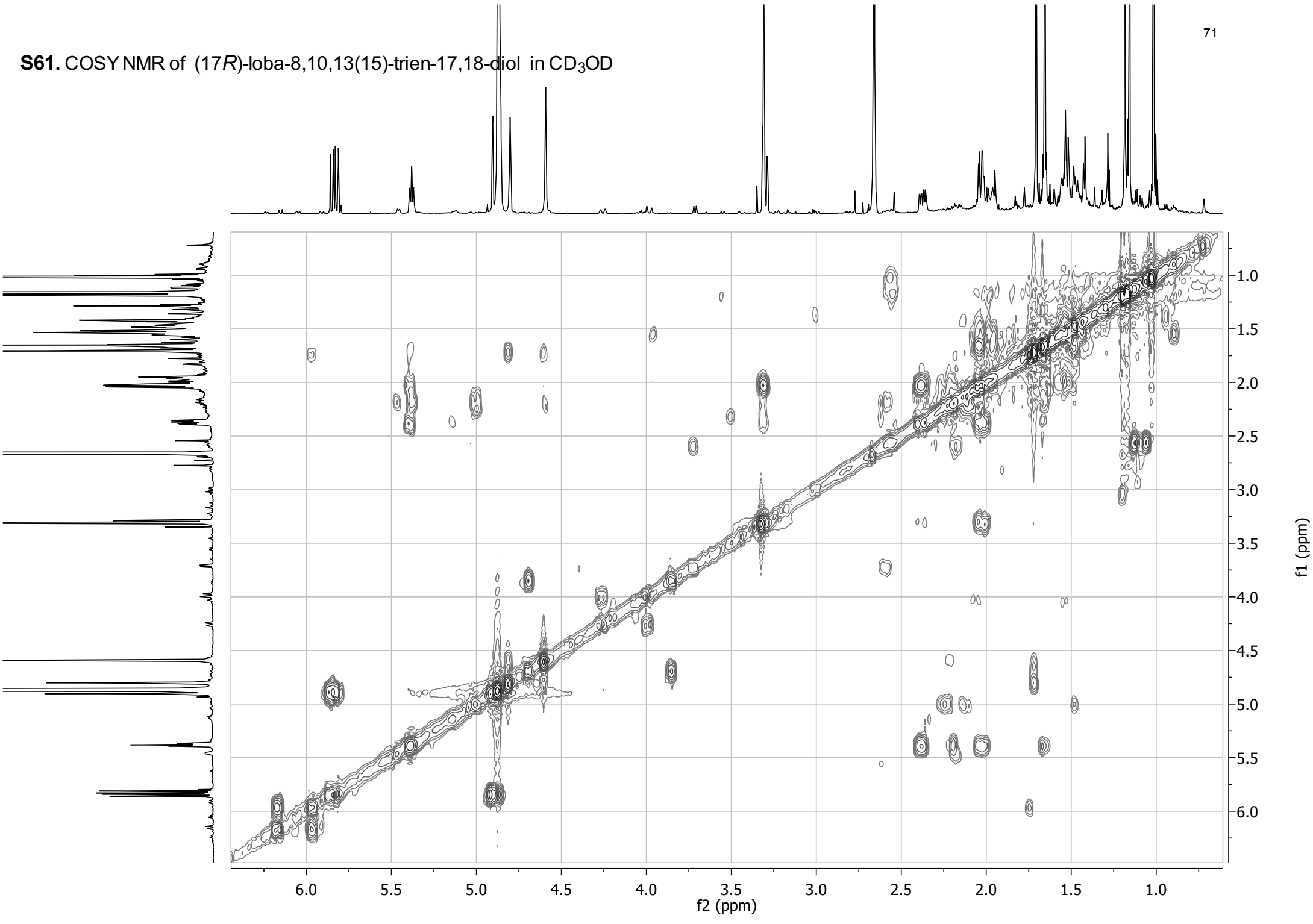
S59. ¹H NMR of (17R)-loba-8,10,13(15)-trien-17,18-diol in CD₃OD



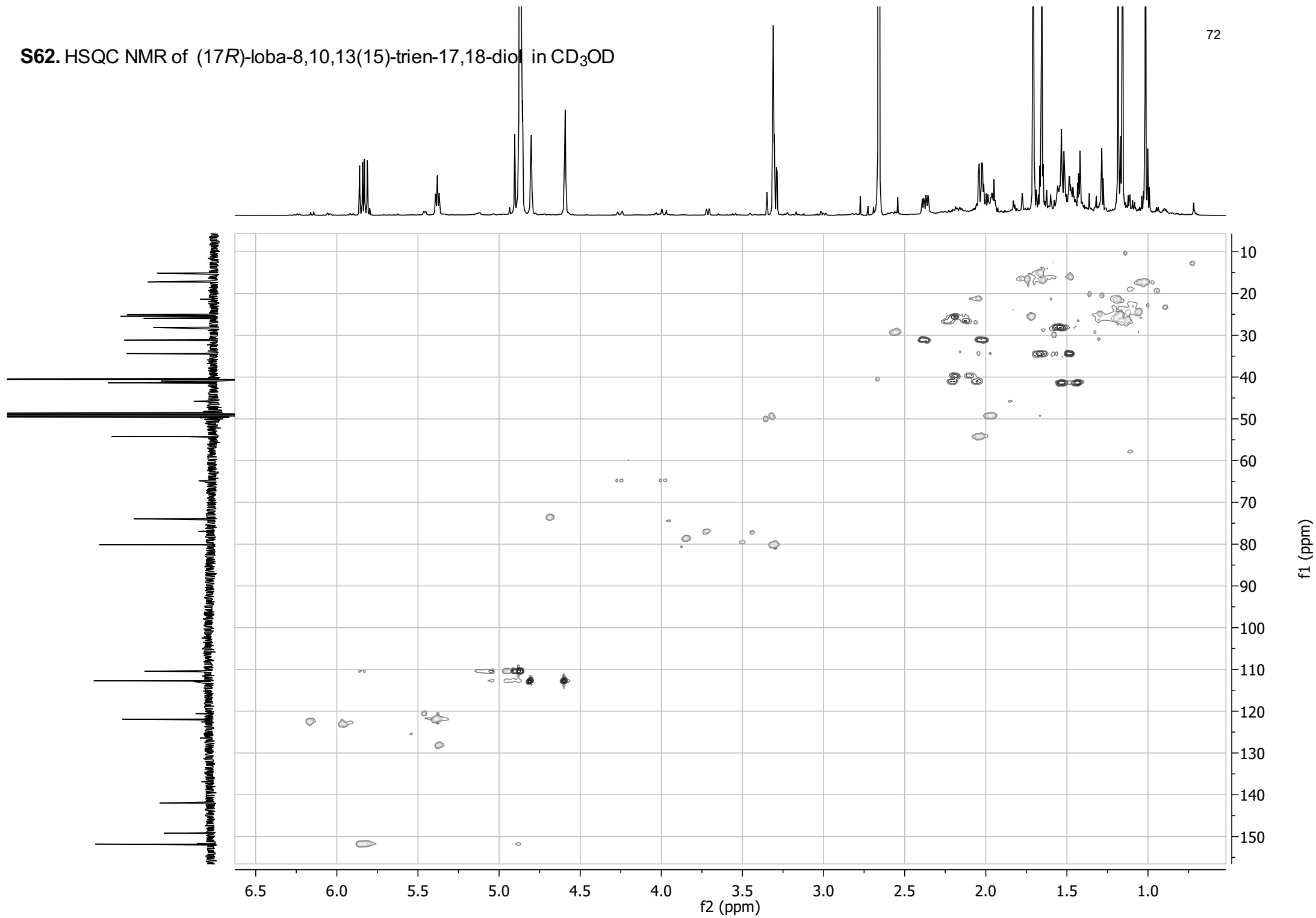
S60. ^{13}C NMR of (17*R*)-loba-8,10,13(15)-trien-17,18-diol in CD_3OD



S61. COSY NMR of (17*R*)-loba-8,10,13(15)-trien-17,18-diol in CD₃OD



S62. HSQC NMR of (17*R*)-loba-8,10,13(15)-trien-17,18-diol in CD₃OD



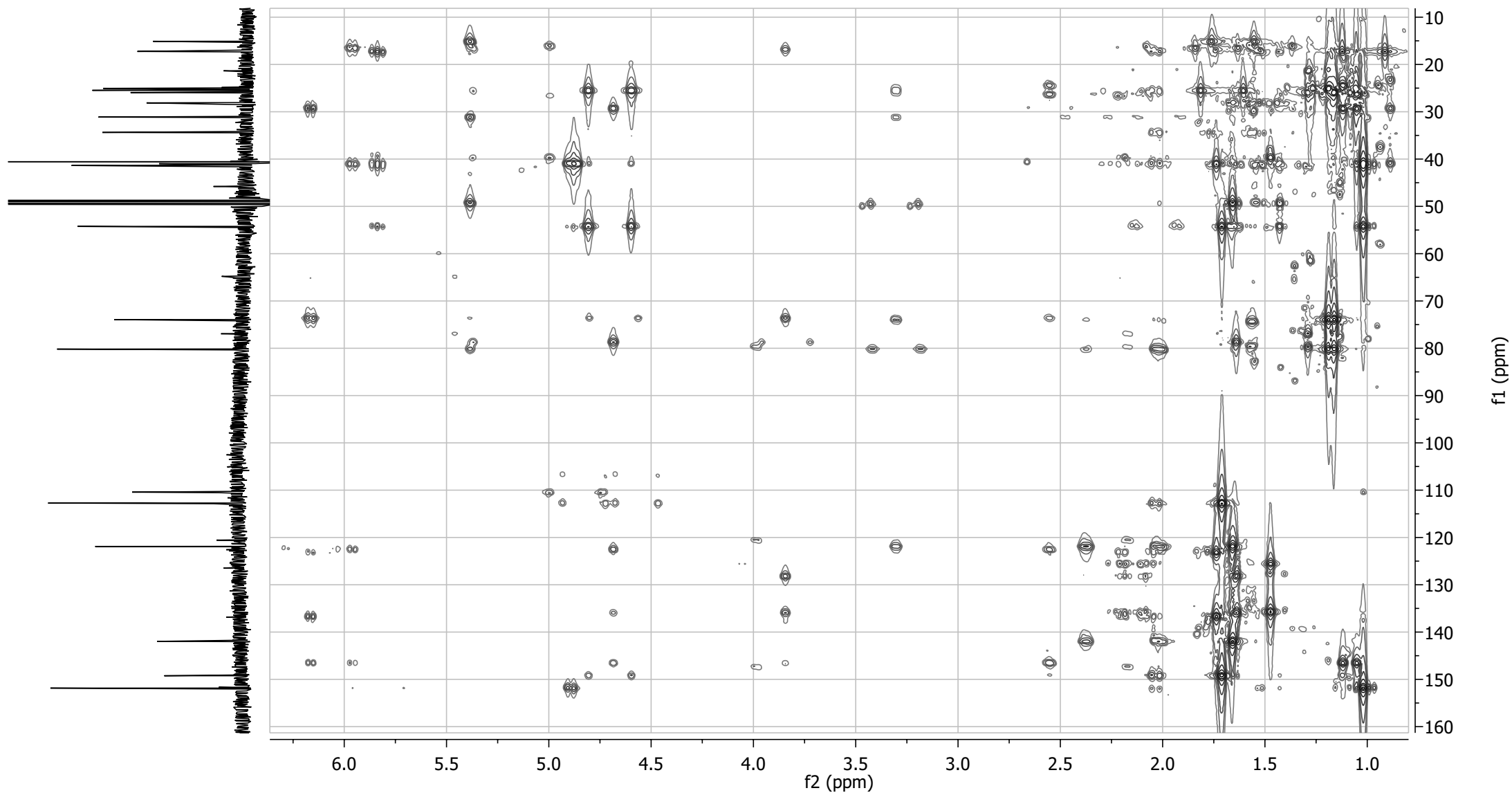
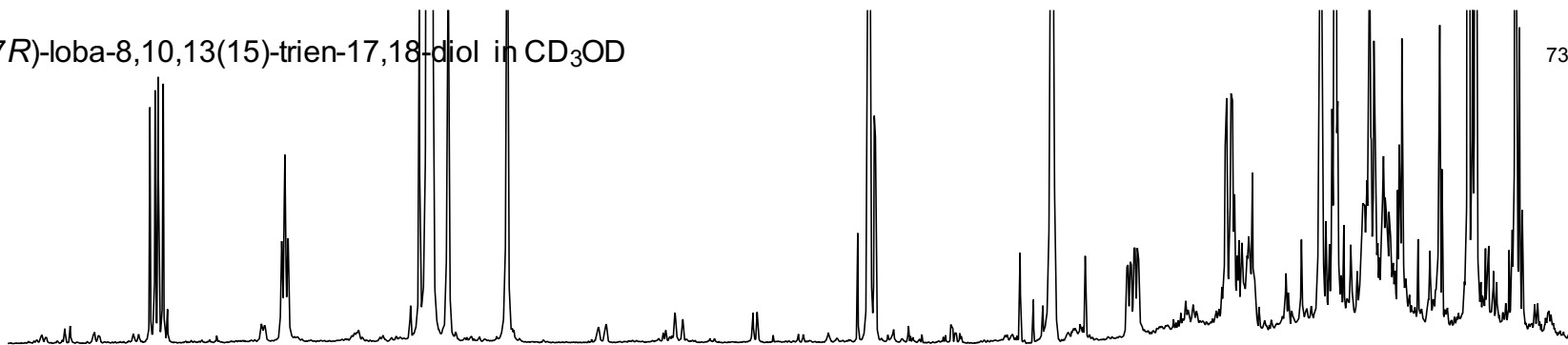
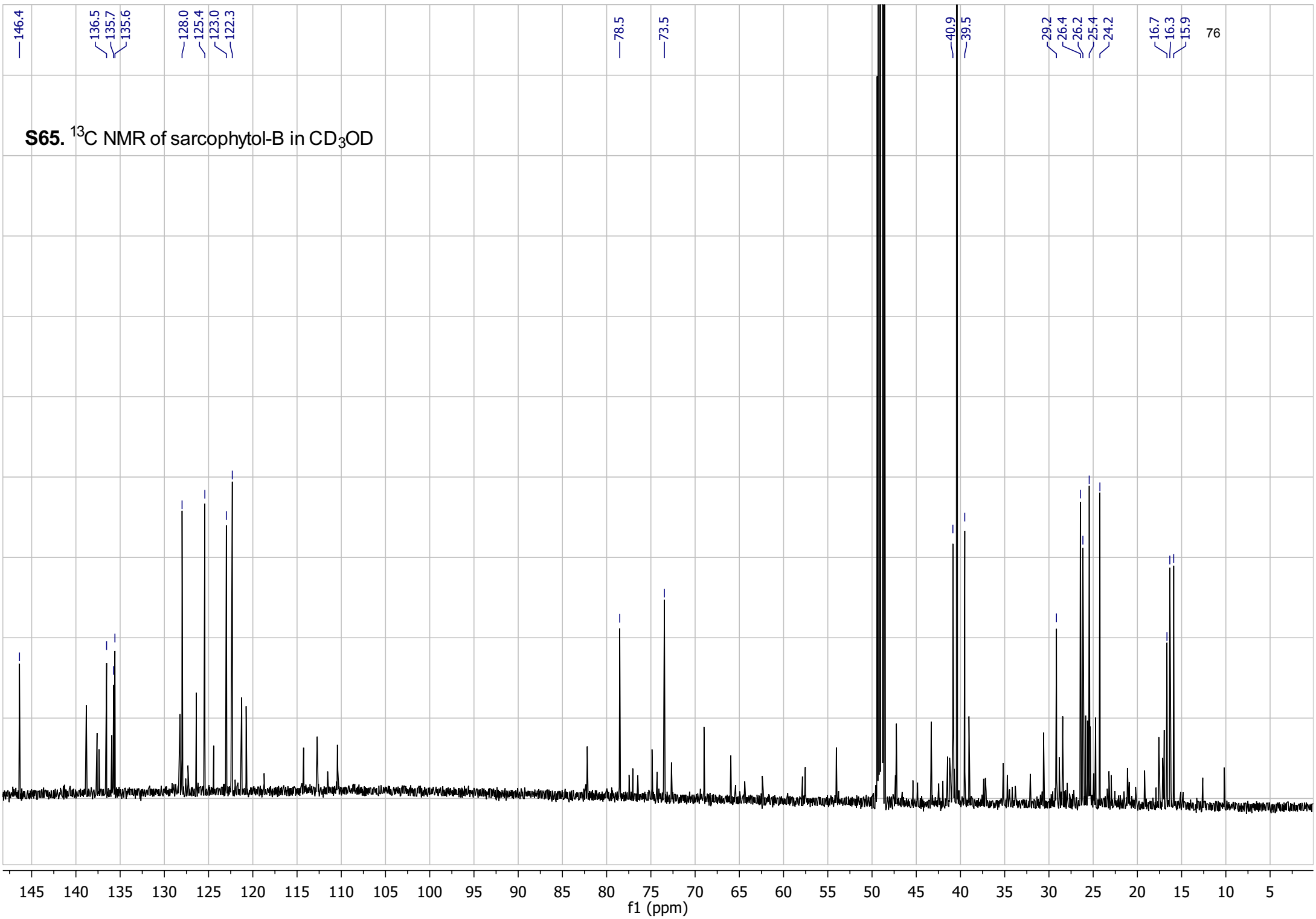


Table S6. ^1H and ^{13}C NMR data (300 MHz and 75 MHz, CD_3OD) for (17*R*)-loba-8,10,13(15)-trien-17,18-diol.

o.	^{13}C δ (m)	^1H δ (m, J Hz)	COSY	gHMBC
1	40.8 (s)			
2	54.1(d)	2.03 (1H, dd, 3.1, 12.6)	H-3	C-1, C-2, C-4, C-7, C-10, C-11, C-12
3	34.2 (t)	1.67 (1H, m) 1.48 (1H, m)	H-2, H _b -3, H-4 H _a -3	C-1, C-2, C-4, C-5 C-2, C-5
4	49.3 (d)	1.98 (1H, m)	H _a -3, H-5	C-3, C-6, C-13, C-15
5	28.0 (t)	1.54 (2H, m)	H-4, H _b -6	C-3, C-6, C-4, C-14
6	41.2 (t)	1.53 (1H, m) 1.43 (1H, m)	H _b -6 H-4, H _a -6	C-5, C-7, C-8 C-1, C-2, C-4, C-7, C-8, C-10
7	17.1 (q)	1.02 (3H, s)		C-1, C-2, C-6, C-8
8	151.7 (d)	5.84 (1H, 10.8, 17.6)	H _a -9	C-1, C-2, C-6, C-7, C-8
9	110.3 (t)	4.90 (1H, d, 1.4, 17.6) 4.86 (1H, t, 1.4, 10.8)	H-8, H _b -9 H-8, H _b -9	C-1, C-2, C-8 C-1, C-2, C-8
10	149.1 (s)			
11	112.6 (t)	4.80 (1H, dq, 1.4, 3.2) 4.59 (1H, brs)	H _b -11, H ₃ -12 H _a -11, H ₃ -12	C-1, C-2, C-10, C-12 C-1, C-2, C-10, C-12
12	25.3 (q)	1.71 (3H, brdd, 0.8, 1.4)	H _a -11, H _b -11	C-1, C-2, C-10, C-11
13	141.8 (s)			
14	15.0 (q)	1.66 (3H, brd, 0.8)	H-15	C-4, C-13, C-15
15	121.7(d)	5.38 (1H, ddq, 0.8, 6.3, 7.3)	H-4, H-14, H-16, H-17	C-4, C-14, C-16, C-17
16	31.0 (t)	2.37 (1H, ddd, 2.4, 7.3, 14.8) 2.03 (1H, m)	H-15, H _b -16, H-17 H-15, H _a -16, H-17, H-14	C-13, C-15, C-17, C-18 C-13, C-15, C-17, C-18
17	80.0 (d)	3.29 (1H, d, 2.4)	H _a -16, H _b -16	C-15, C-16, C-18, C-19, C-20
18	73.8 (s)			
19	24.9 (q)	1.16 (3H, s)		C-17, C-18
20	25.8 (q)	1.19 (3H, s)		C-17, C-18

S65. ¹³C NMR of sarcophytol-B in CD₃OD



128.0
125.4
123.0
122.3

78.5

73.5

40.9

40.4

39.5

29.2

26.5

26.2

25.4

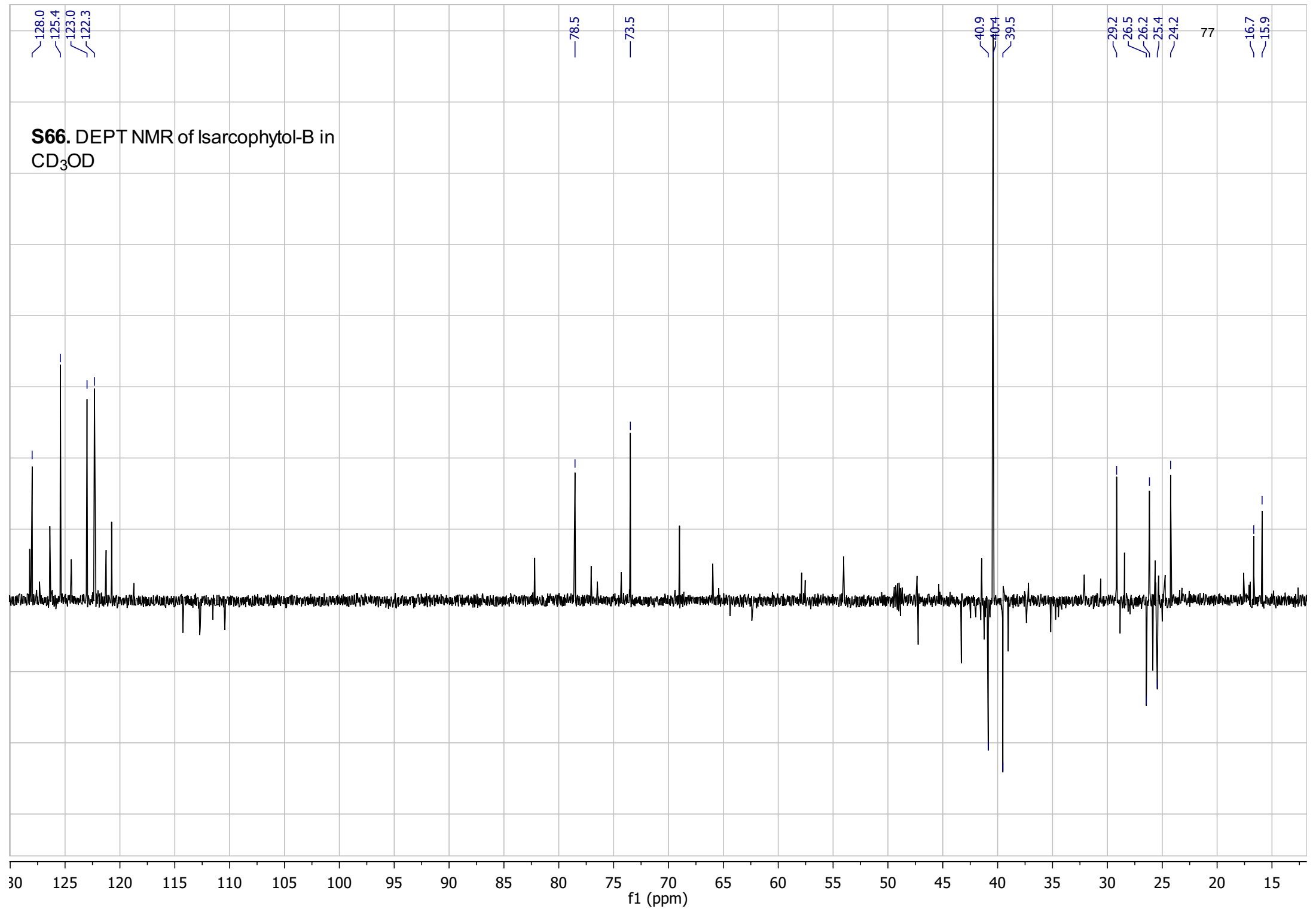
24.2

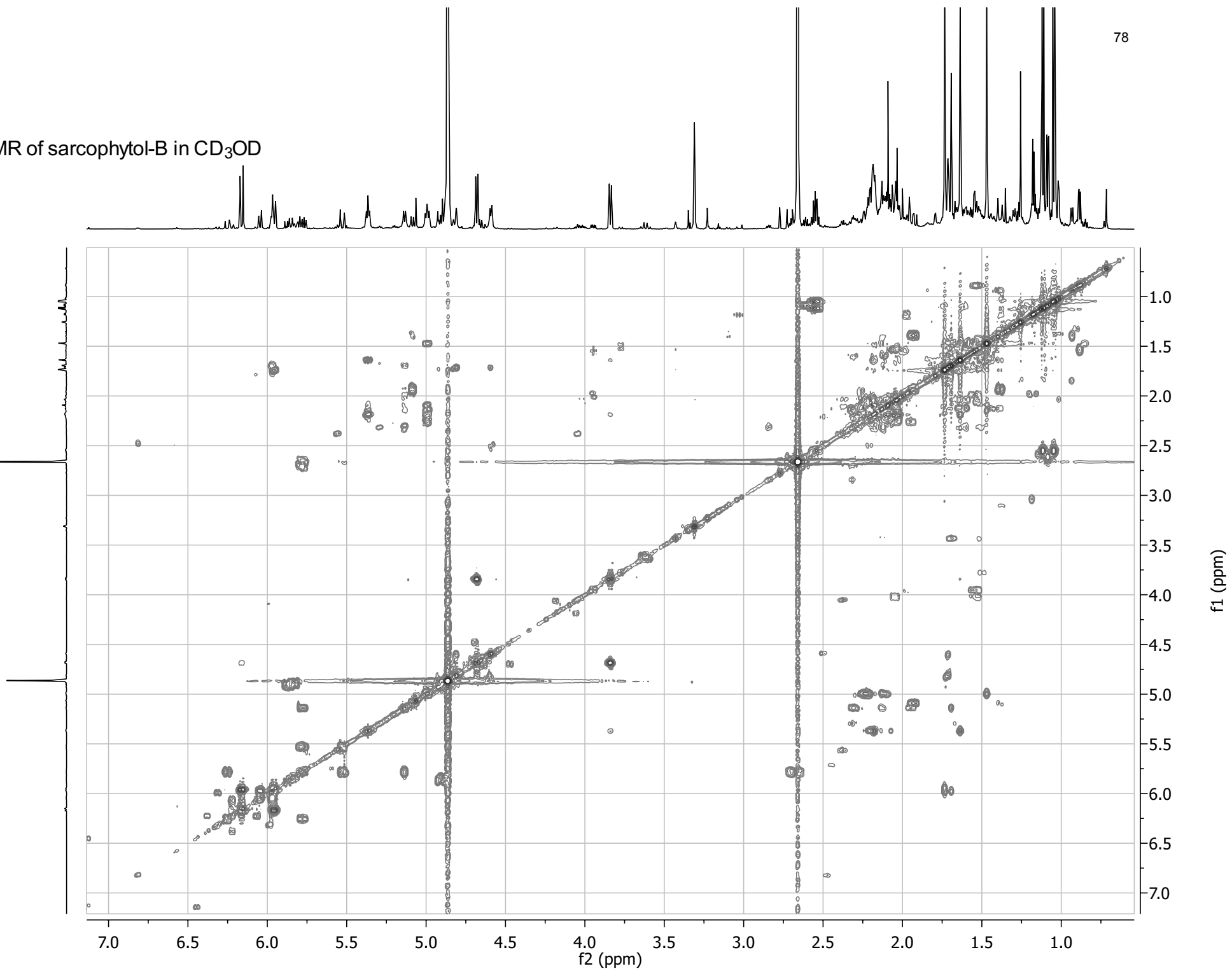
77

16.7

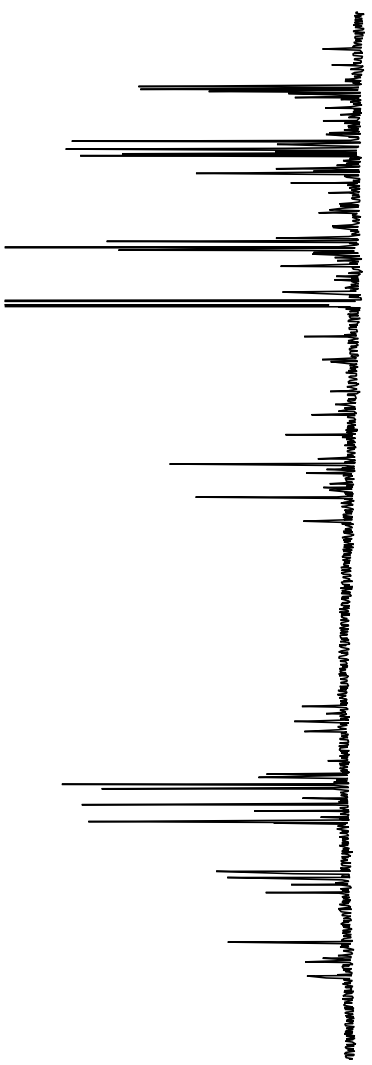
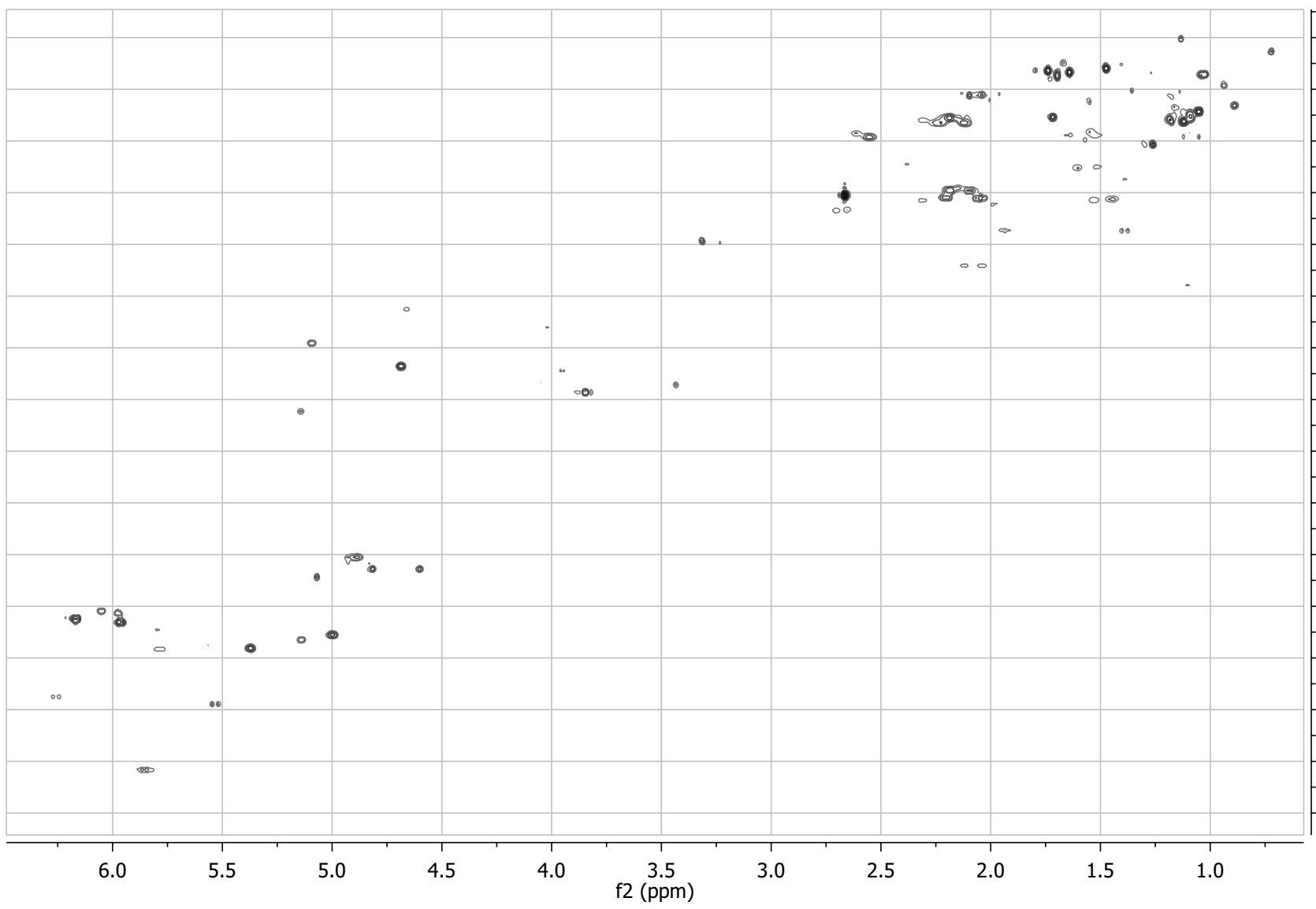
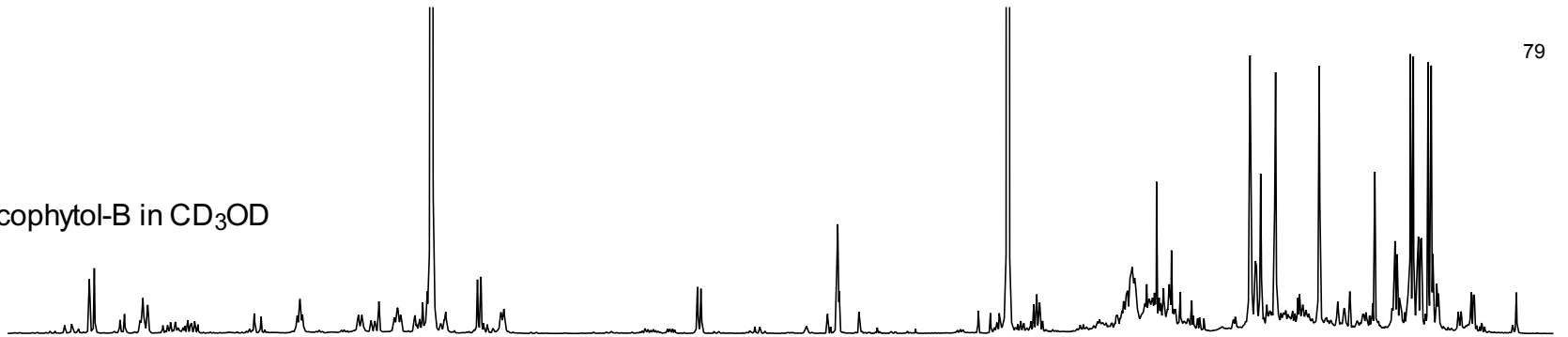
15.9

S66. DEPT NMR of Isarcophytol-B in CD₃OD



S67. COSY NMR of sarcophytol-B in CD₃OD

S68. HSQC NMR of sarcophytol-B in CD₃OD



f1 (ppm)

f2 (ppm)

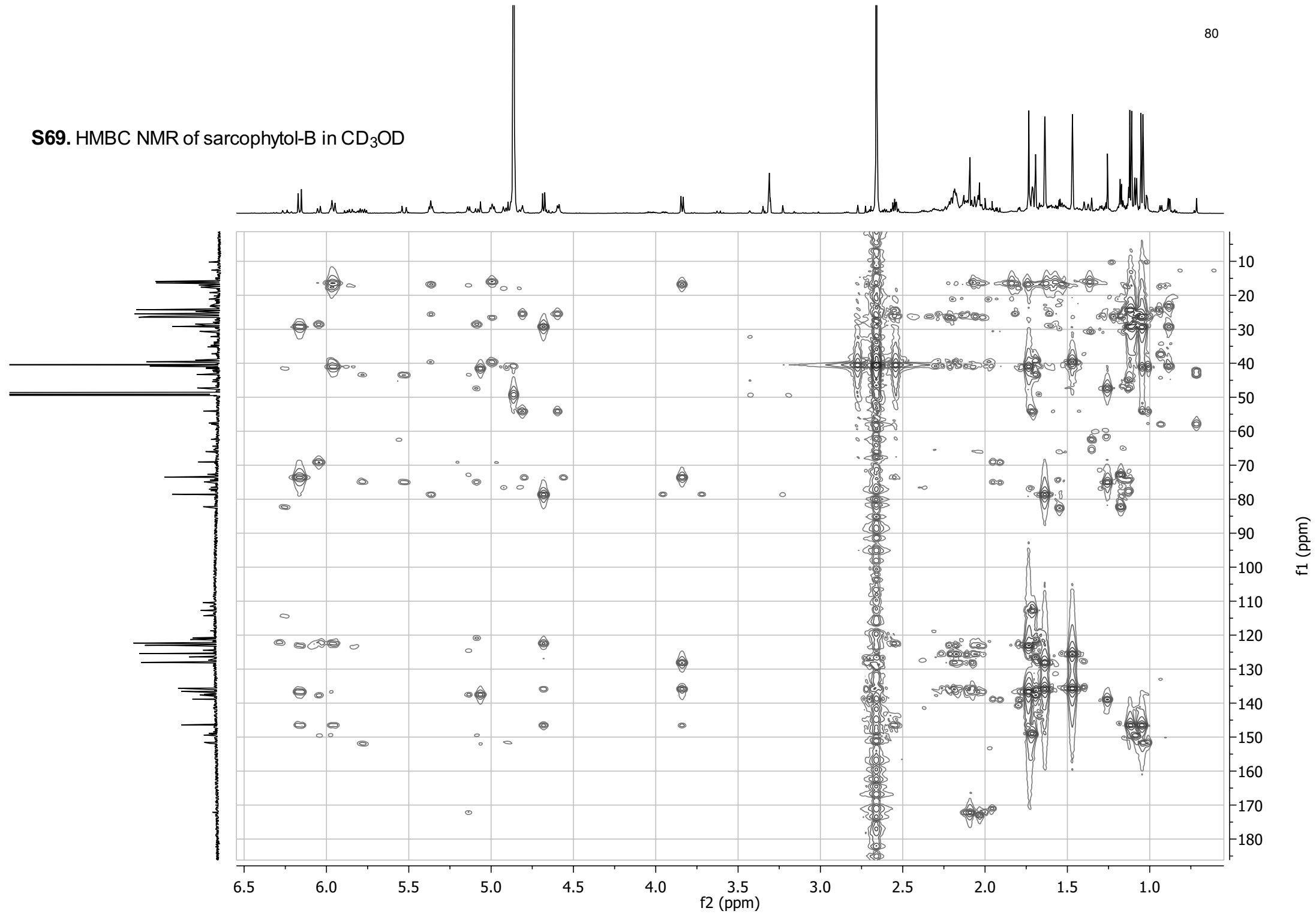
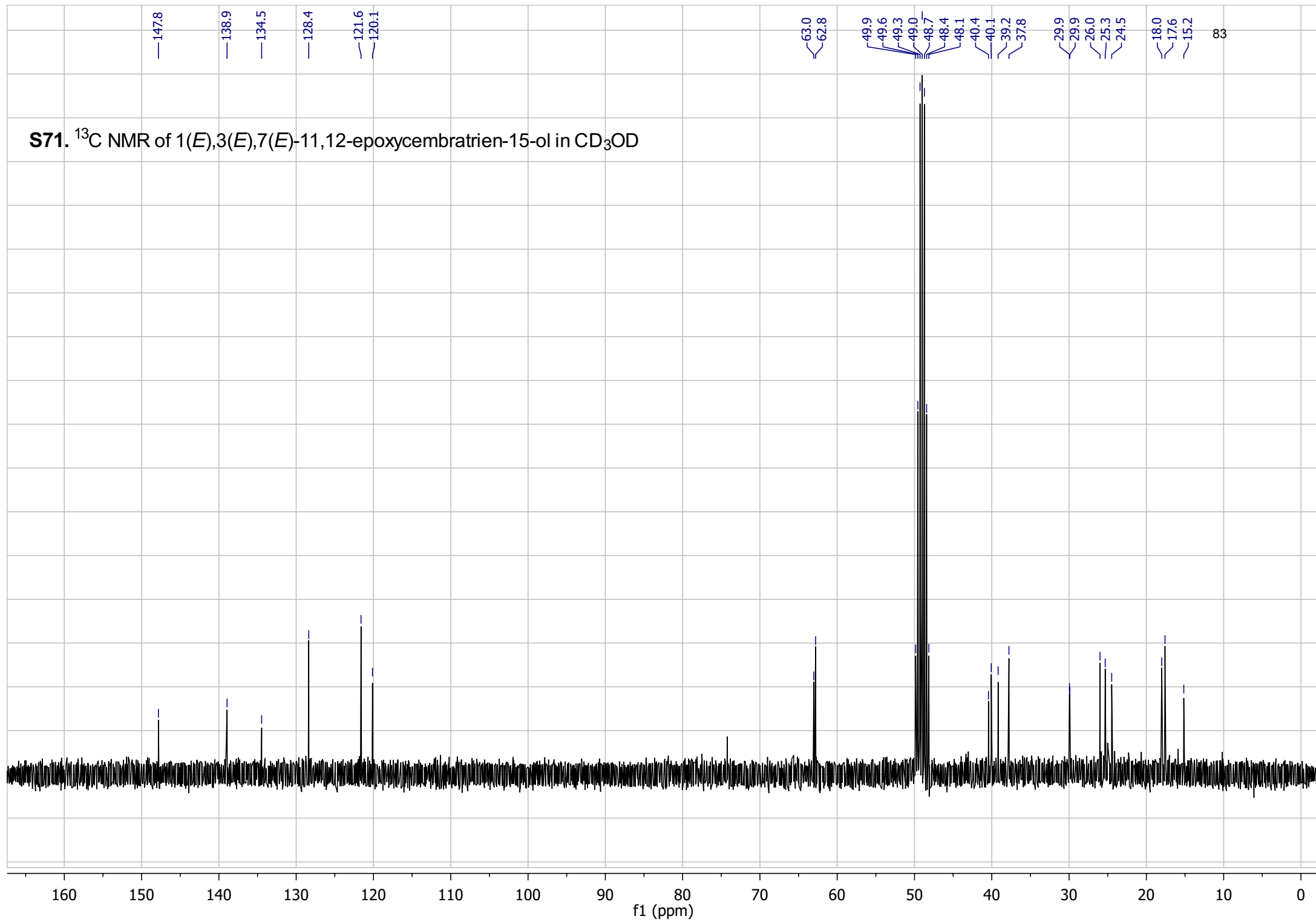
S69. HMBC NMR of sarcophytol-B in CD₃OD

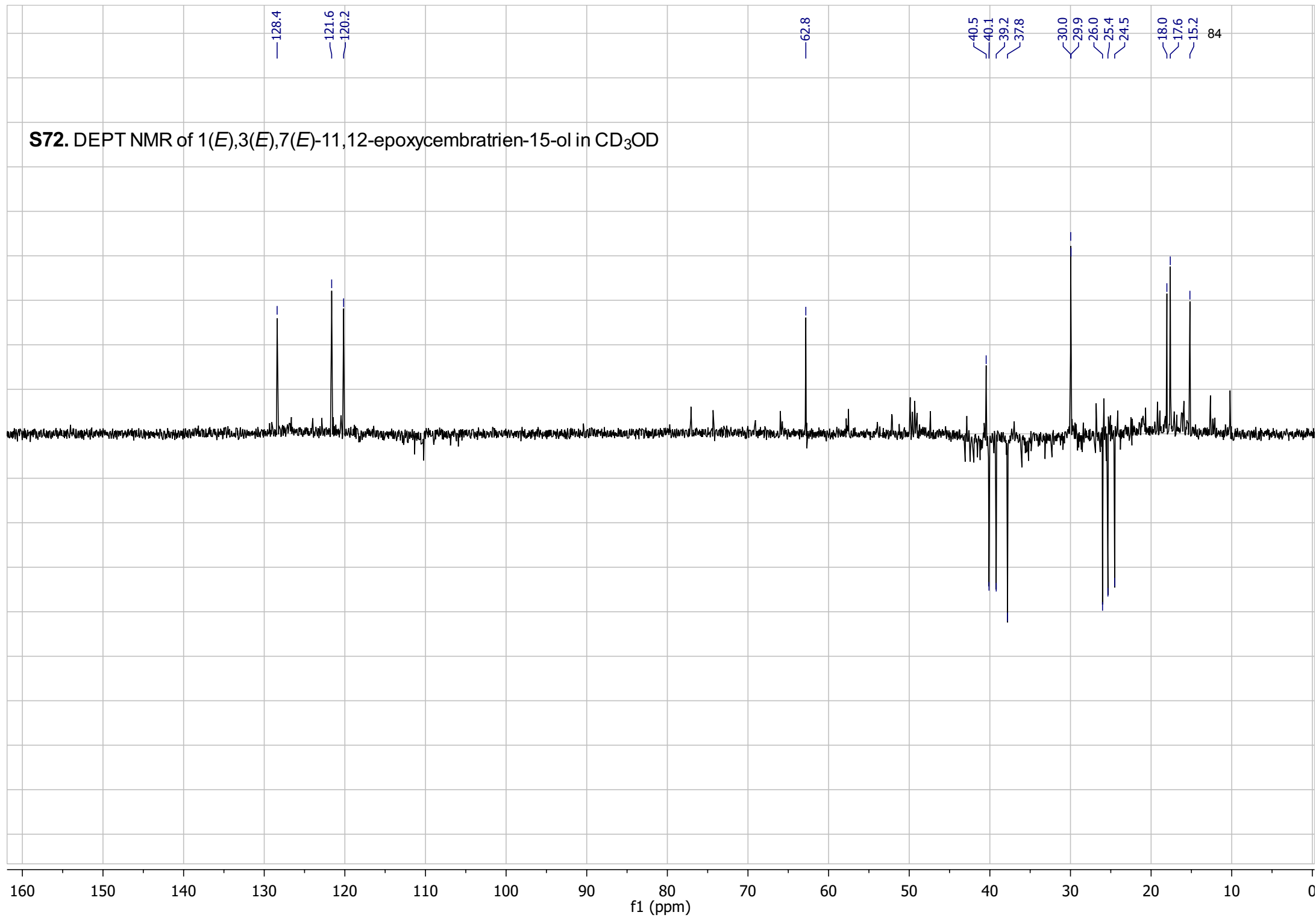
Table S7. ^1H and ^{13}C NMR data (300 MHz and 75 MHz, CD_3OD) for sarcophytol-B.

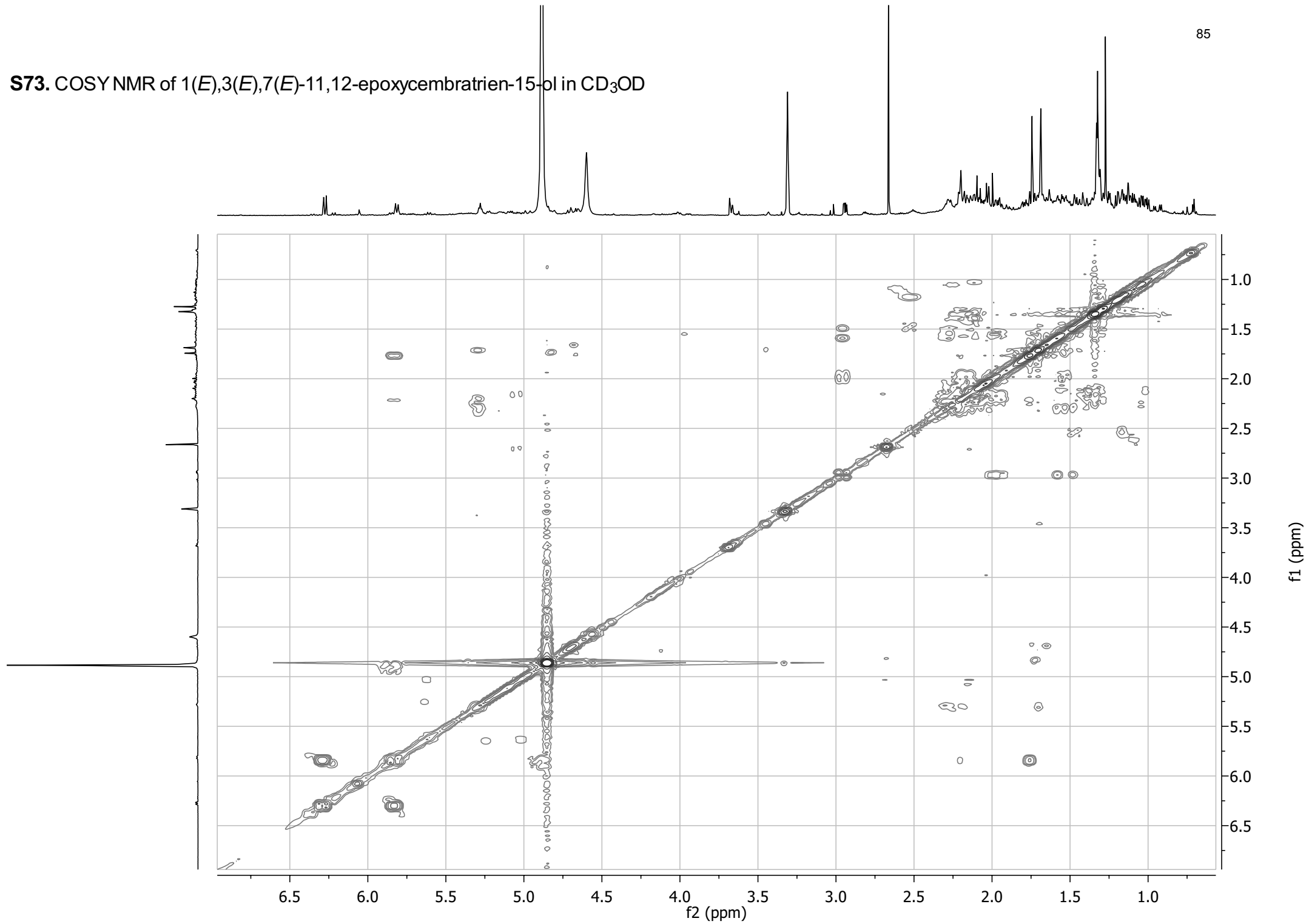
o.	^{13}C δ (m)	^1H δ (m, J Hz)	COSY	gHMBC
1	146.4 (s)			
2	122.3(d)	6.16 (1H, d, 11.5)	H-3, H-13	C-1, C-4, C-14, C-15
3	123.0 (d)	5.96 (1H, d, 11.5)	H-2, H-18	C-1, C-2, C-5, C-18
4	136.5 (s)			
5	26.6 (t)	2.21 (1H, m) 2.05 (1H, m)	H _b -5, H _b -6 H-7, H _a -5	C-3, C-6 C-3, C-4, C-6, C-18
6	40.9 (t)	2.23 (1H, m) 2.11 (1H, m)	H _b -6, H-7 H-7, H _a -5, H _a -6	C-7, C-8 C-5, C-7, C-8
7	125.4 (d)	4.99 (1H, ddq, 1.1, 6.5, 8.5)	H _a -6, H _b -6, H ₃ -19	C-6, C-10, C-19
8	135.6 (s)			
9	39.5 (t)	2.19 (1H, m) 2.09 (1H, m)	H _b -9 H-10, H _a -9	C-7, C-8 C-8, C-11, C-19
10	25.8 (t)	2.18 (2H, m)	H _b -9, H-11	C-11
11	128.0 (d)	5.37 (1H, tq, 1.0, 11.9)	H _a -10, H _b -10, H-13, H ₃ - 20	C-9, C-10, C-13, C-21
12	135.7 (s)			
13	78.5 (d)	3.84 (1H, d, 8.2)	H-11, H-14	C-1, C-11, C-12, C-14, C-20
14	73.5 (d)	4.68 (1H, d, 8.2)	H-2, H-13	C-1, C-2, C-12, C-13, C-15
15	29.2(d)	2.54 (1H, dq, 6.8, 13.7)	H-16, H-17	C-1, C-2, C-14, C-16, C-17
16	24.2 (q)	1.05 (3H, d, 6.8)	H-15	C-1, C-15, C-17
17	26.2 (q)	1.12 (3H, d, 6.8)	H-15	C-1, C-15, C-16
18	16.3 (q)	1.73 (3H, d, 1.0)	H-3	C-3, C-4, C-5
19	15.9(q)	1.47 (3H, brs)	H-7	C-7, C-8, C-9
20	16.7 (q)	1.64 (3H, d, 1.1)	H-11	C-11, C-12, C-13

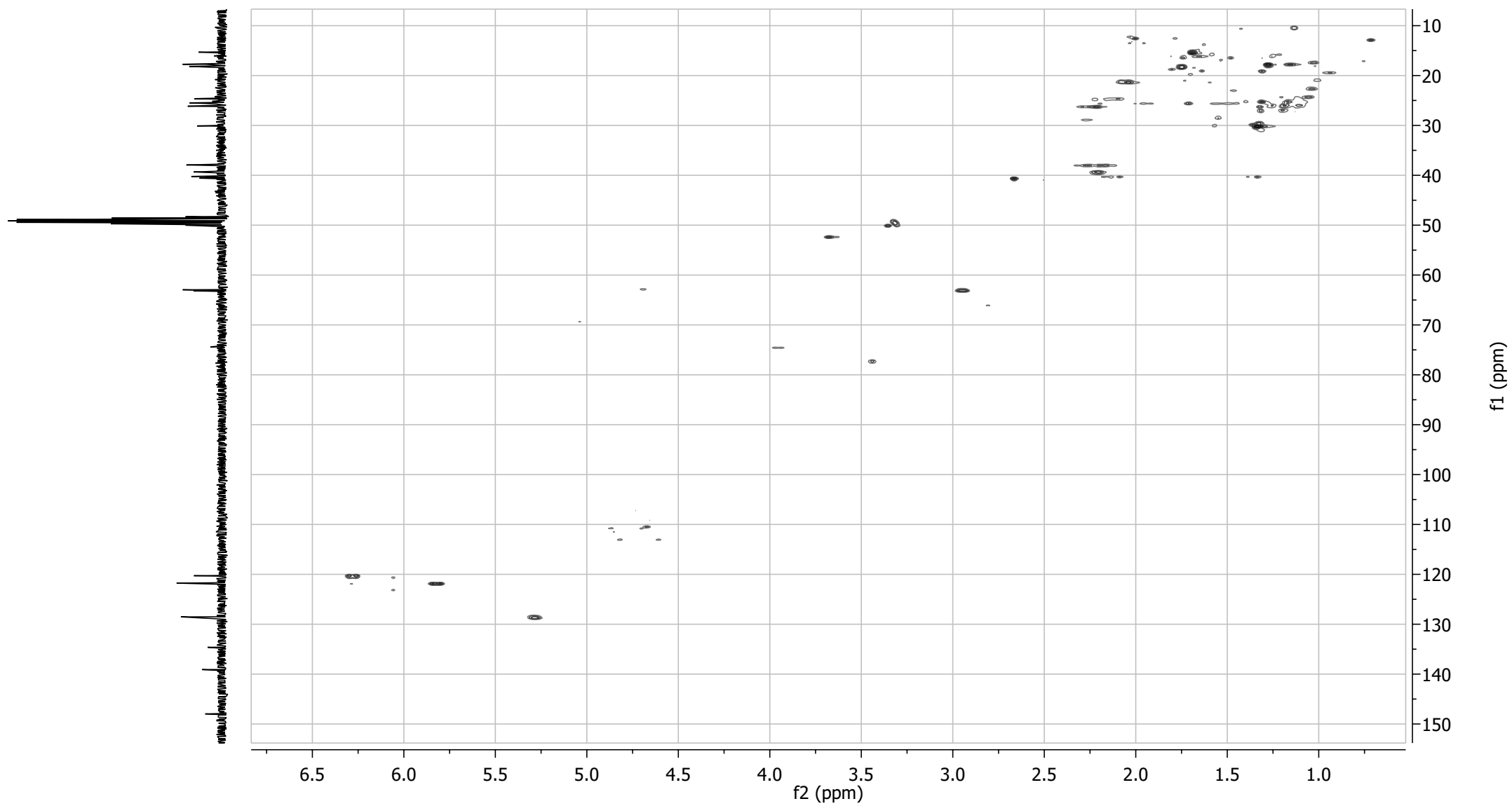
S71. ¹³C NMR of 1(E),3(E),7(E)-11,12-epoxycembratrien-15-ol in CD₃OD



S72. DEPT NMR of 1(E),3(E),7(E)-11,12-epoxycembratrien-15-ol in CD₃OD



S73. COSY NMR of 1(E),3(E),7(E)-11,12-epoxycembratrien-15-ol in CD₃OD

S74. HSQC NMR of 1(*E*),3(*E*),7(*E*)-11,12-epoxycembratrien-15-ol in CD₃OD

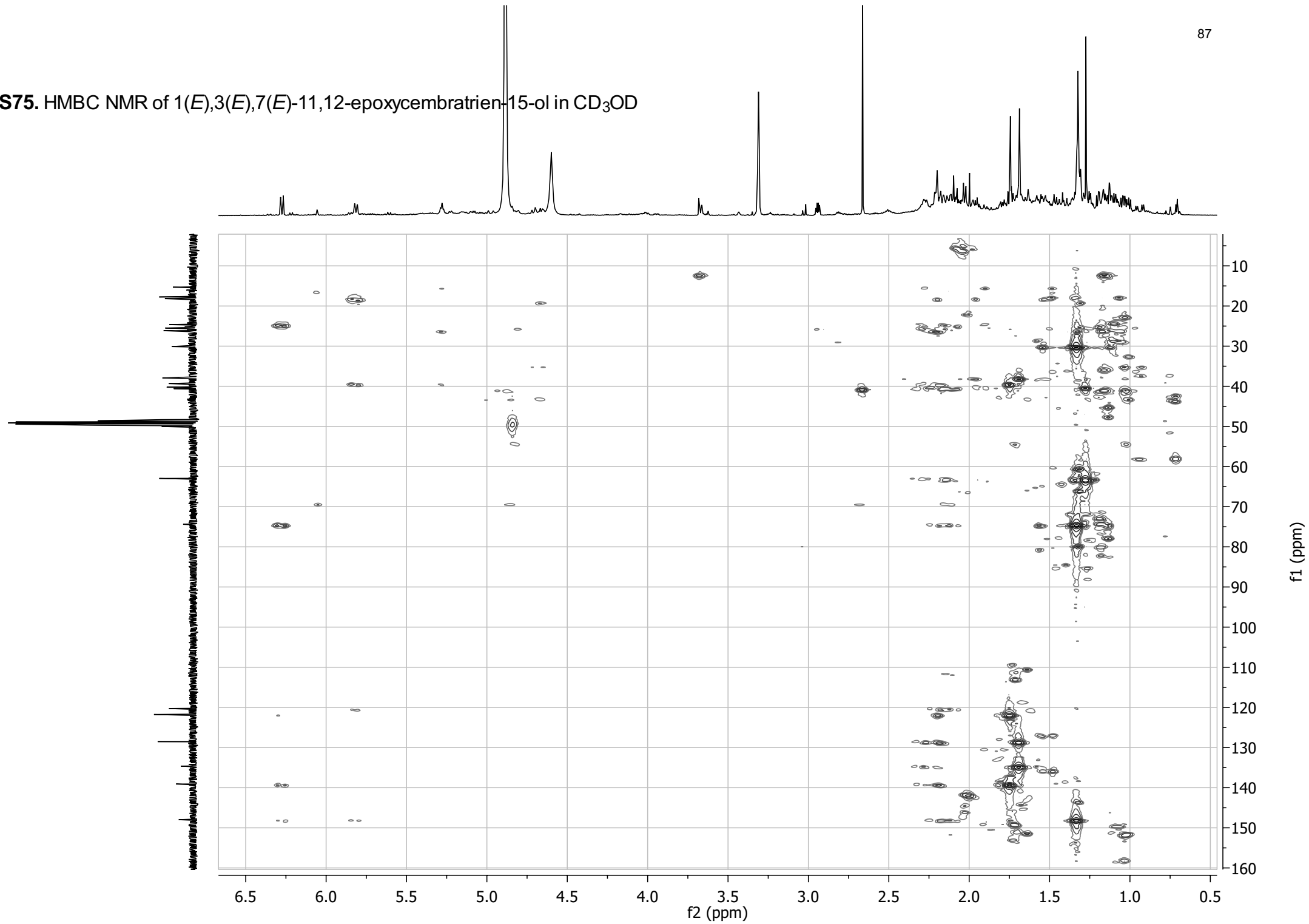
S75. HMBC NMR of 1(*E*),3(*E*),7(*E*)-11,12-epoxycembratrien-15-ol in CD₃OD

Table S8. ^1H and ^{13}C NMR data (300 MHz and 75 MHz, CD_3OD) for 1(*E*),3(*E*),7(*E*)-11,12-epoxycembratrien-15-ol.

o.	^{13}C δ (m)	^1H δ (m, J Hz)	COSY	gHMBC
1	147.8 (s)			
2	120.1(d)	6.27 (1H, d, 10.1)	H-3	C-1, C-3, C-4, C-14, C-15
3	121.6 (d)	5.81 (1H, d, 10.1)	H-2, H-18	C-1, C-2, C-5, C-18
4	138.9 (s)			
5	39.2 (t)	2.20 (2H, m)	H _a -6	C-3, C-4, C-6, C-18
6	26.0 (t)	2.32 (1H, m)	H _b -6, H-5	C-4, C-5, C-7, C-8
		2.20 (1H, m)	H _a -6	C-4, C-5, C-7, C-8
7	128.4 (d)	5.28 (1H, brt, 5.7)	H _a -6, H _b -6, H _a -9, H ₃ -19	C-5, C-9, C-19
8	134.5 (s)			
9	37.8 (t)	2.26 (1H, m)	H-7, H _b -9, H _b -10	C-7, C-8, C-10, C-11, C-19
		2.21 (1H, m)	H _a -9	
10	25.3 (t)	1.96 (1H, m)	H _b -9, H _b -10, H-11	C-9, C-13, C-20
		1.53 (1H, m)	H _a -9, H _a -10, H-11	C-11
11	62.8 (d)	2.94 (1H, dd, 3.9, 8.8)	H _a -10, H _b -10	C-10
12	63.0 (s)			
13	40.0 (t)	2.11 (1H, m)	H _b -13	C-1, C-2, C-11, C-12, C-13, C-15
		1.35 (1H, m)	H _a -13, H-14	C-11, C-12, C-14
14	24.5 (t)	2.13(2H, m)	H _b -13	C-1, C-2, C-12, C-13, C-15
15	74.2(s)			
16	29.9 (q)	1.32 (3H, s)		C-1, C-14, C-15
17	30.0 (q)	1.32 (3H, s)		C-1, C-14, C-15
18	18.0 (q)	1.74 (3H, brs)	H-3	C-3, C-4, C-5
19	15.2(q)	1.69 (3H, brs)	H-7	C-7, C-8, C-9
20	17.6 (q)	1.27 (3H, s)		C-11, C-12, C-13