

Supporting Information

Fusarisolins A–E, Polyketides from the Marine-Derived Fungus *Fusarium solani* H918

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Table S1. ^1H (400 MHz) and ^{13}C (100 MHz) NMR Data for **7** in CD_3OD

TF-24-2-1-1 1H NMR CD3OD 400 MHz

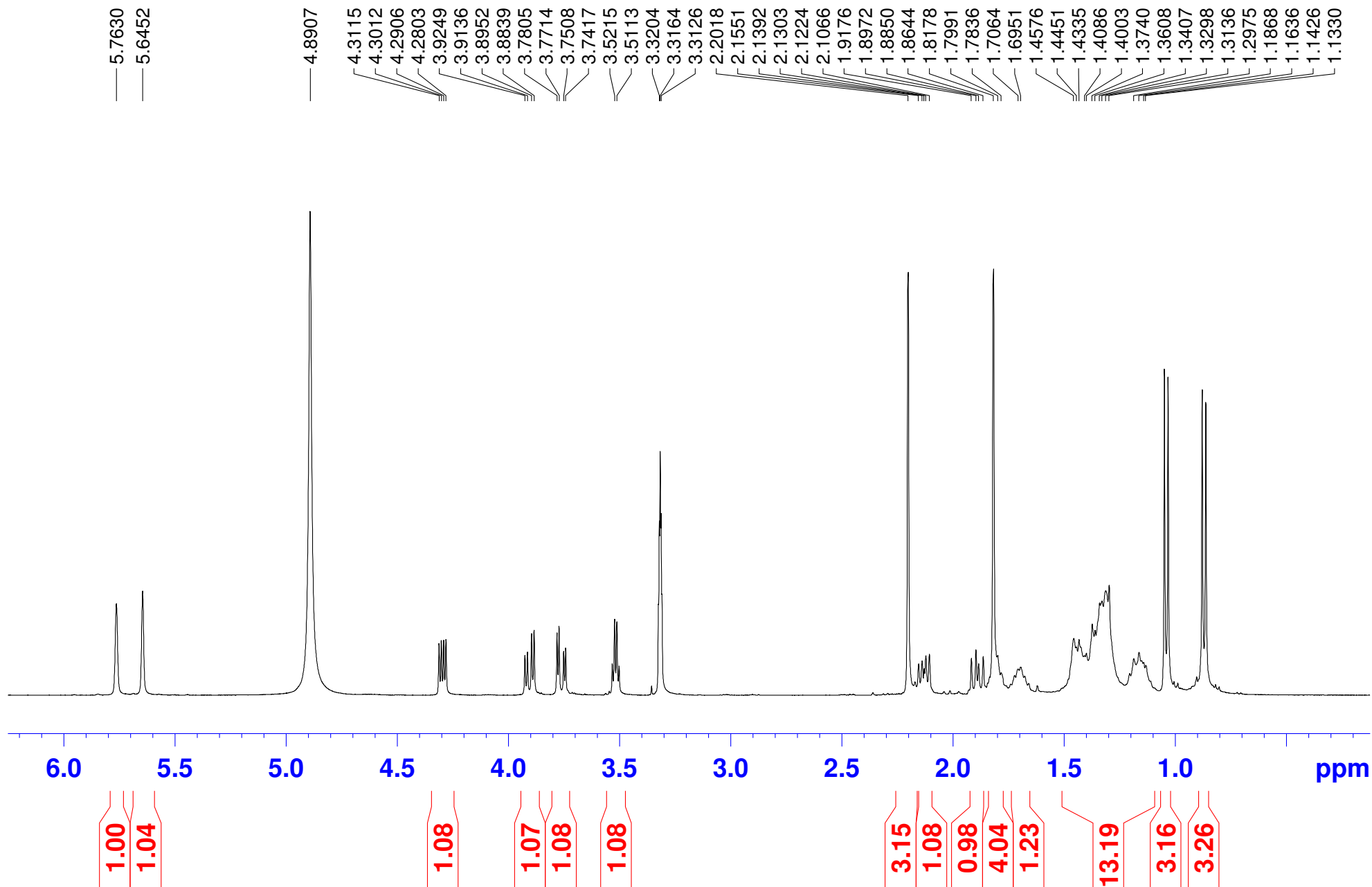


Figure S1-1 ¹H NMR Spectrum of 1 in CD₃OD (400 MHz)

TF-24-2-1-1 ¹³C NMR CD₃OD 100 MHz

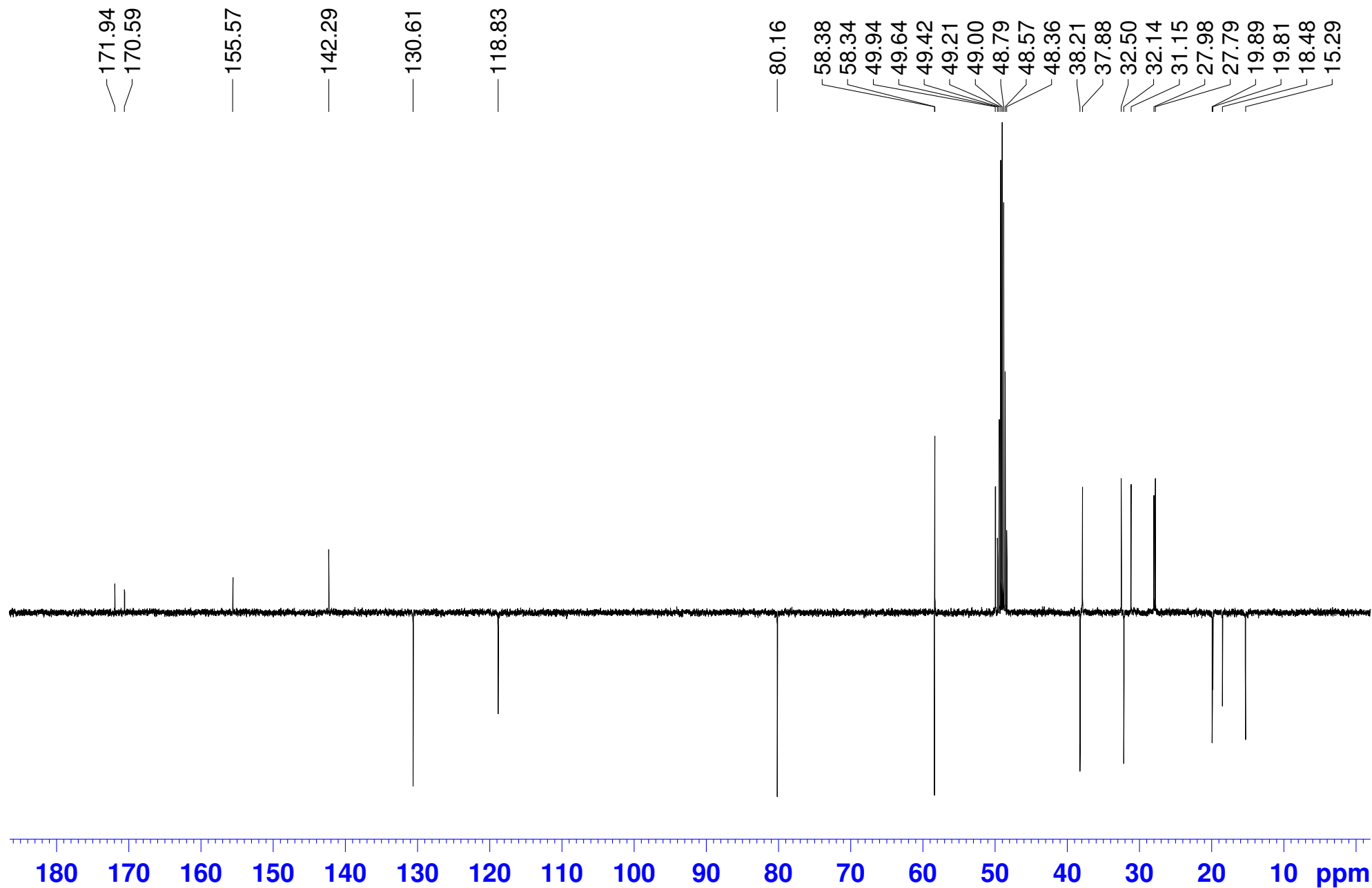


Figure S1-2 ¹³C Spectrum of 1 in CD₃OD (100 MHz)

TF-24-2-1 HSQC CD3OD

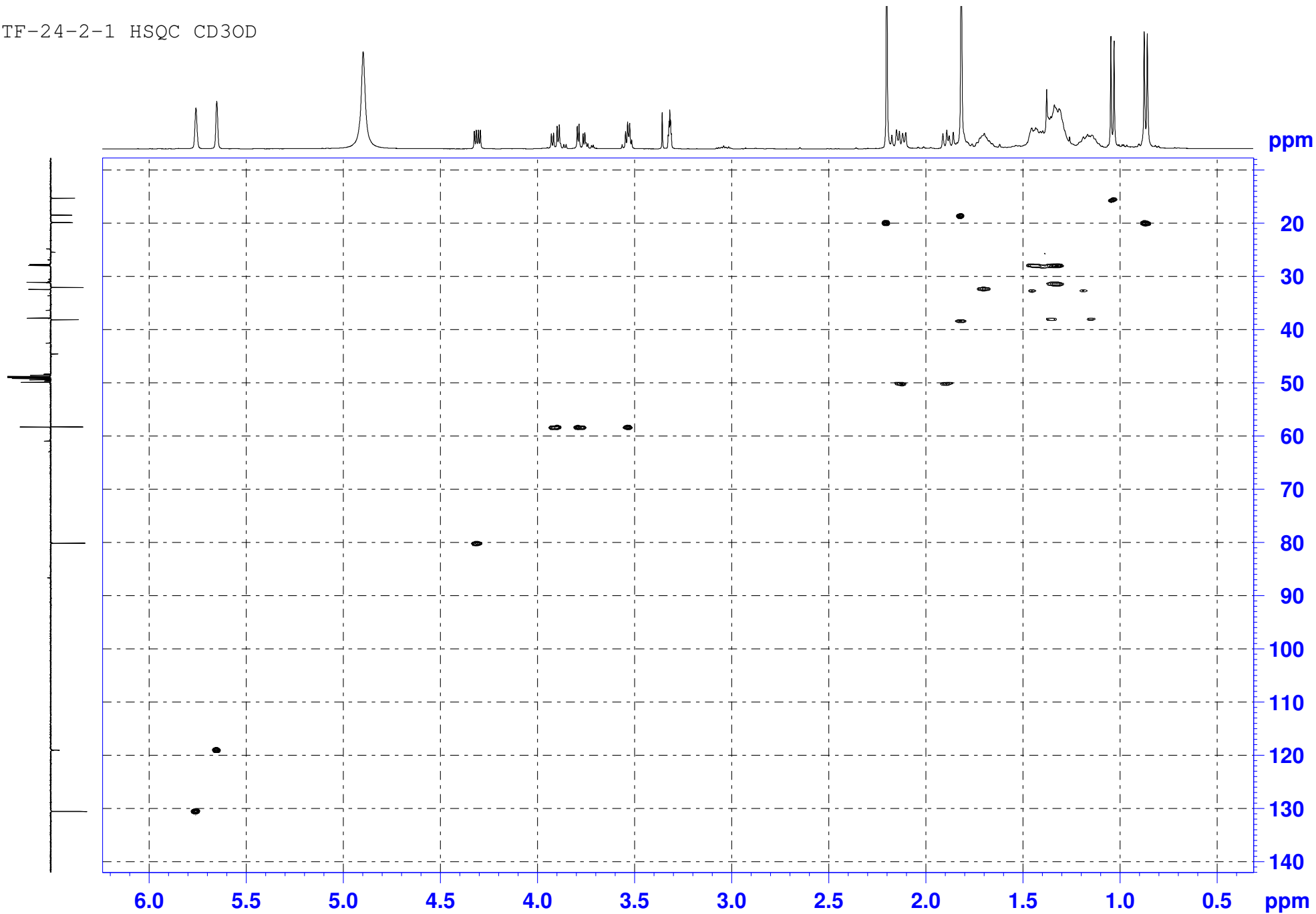


Figure S1-3 HSQC Spectrum of 1 in CD_3OD

TF-24-2-1 COSY CD3OD

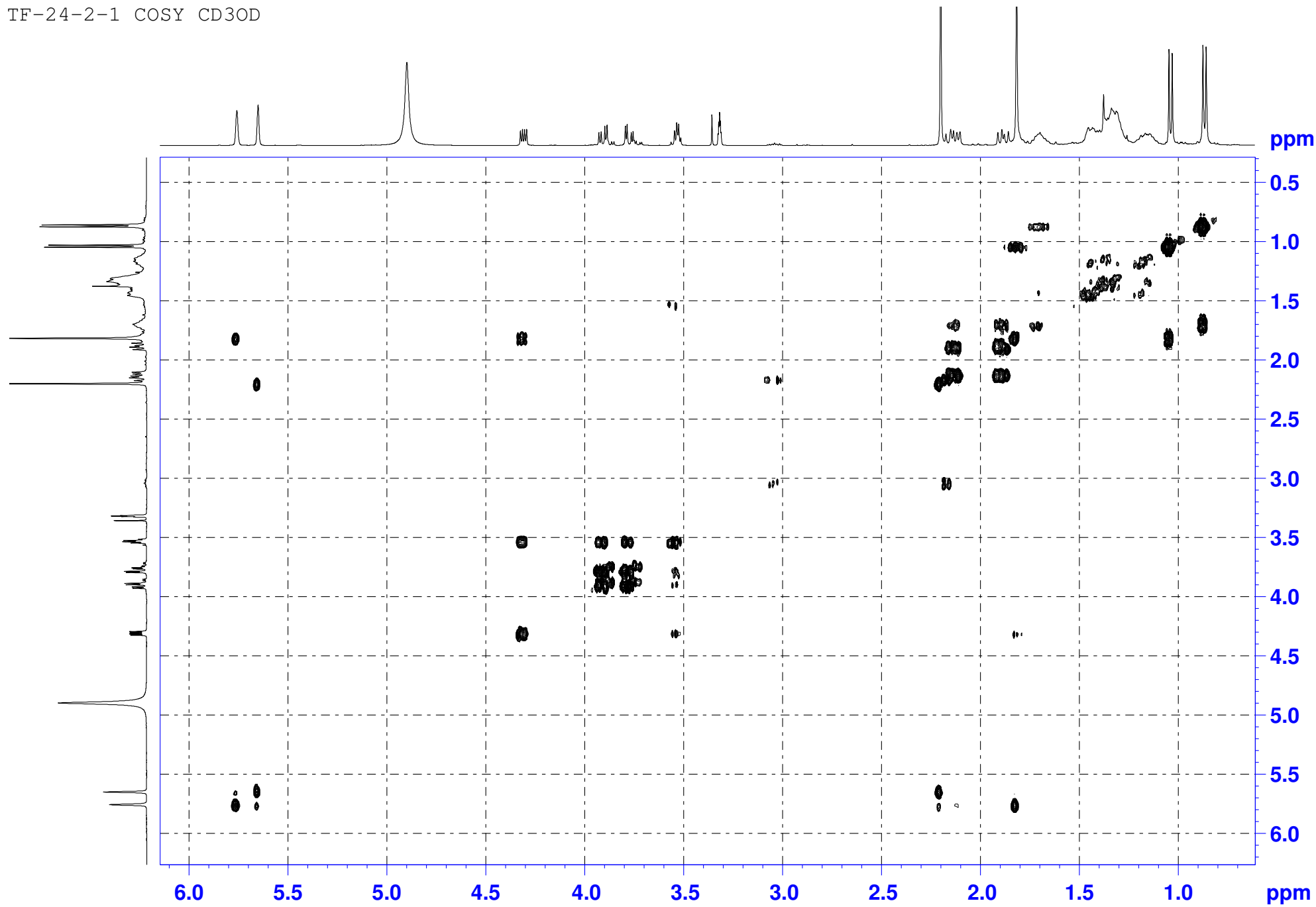


Figure S1-4 COSY Spectrum of **1** in CD₃OD

TF-24-2-1 HMBC CD3OD

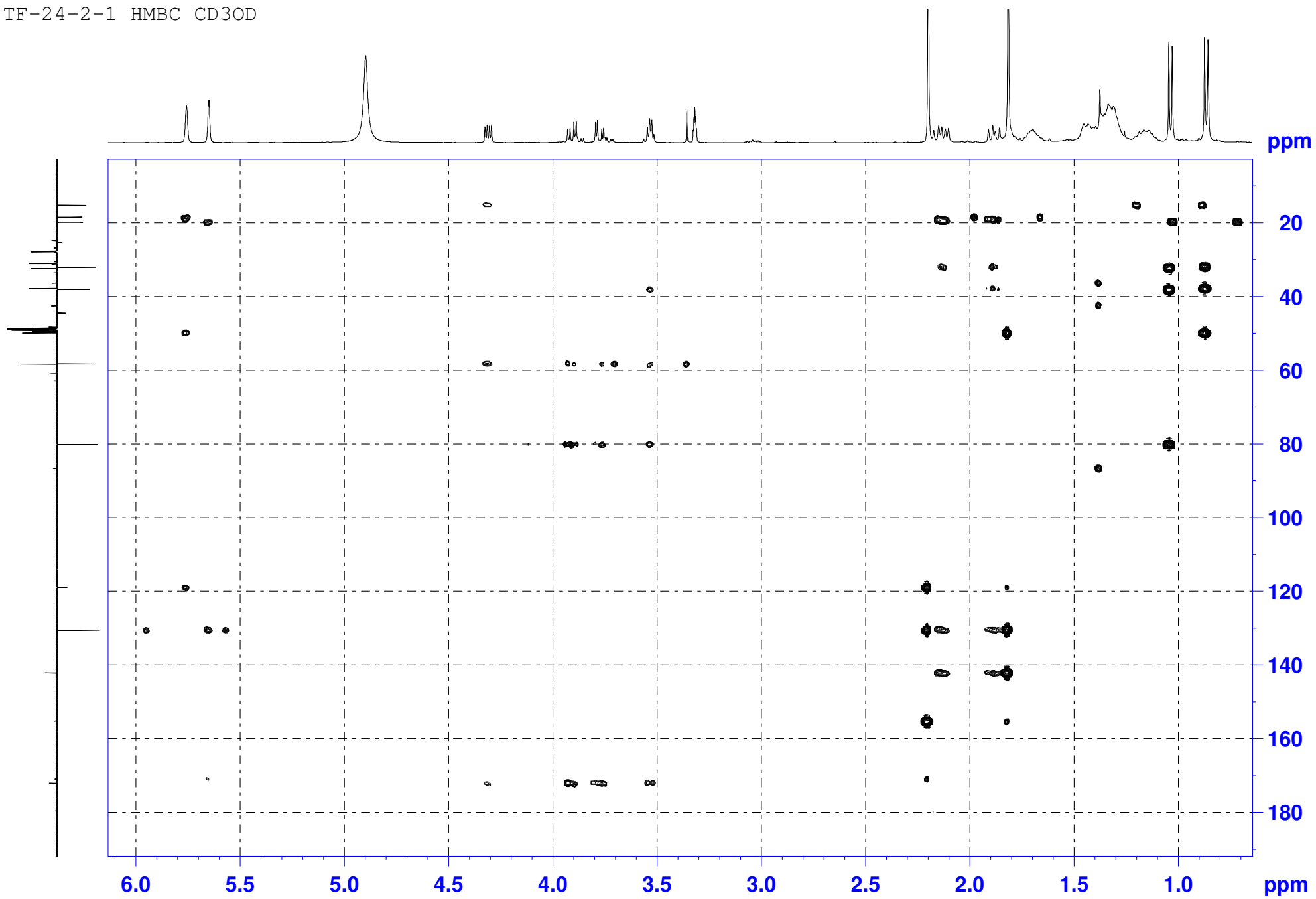


Figure S1-5 HMBC Spectrum of 1 in CD₃OD

TF-24-2-1

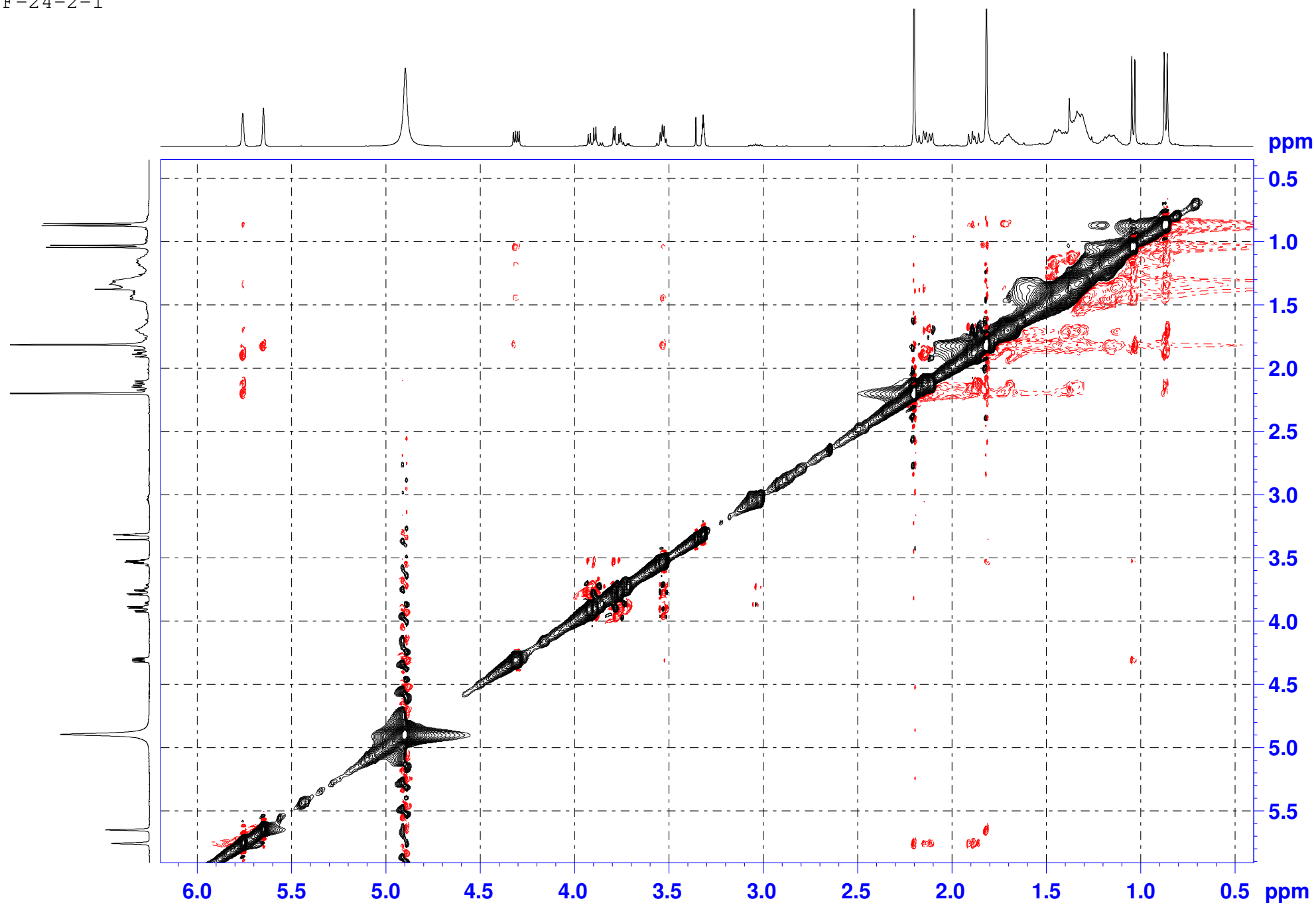


Figure S1-6 NOESY Spectrum of 1 in CD₃OD

TF-24-2-1-1-R 1H NMR CDCl3 400 MHz

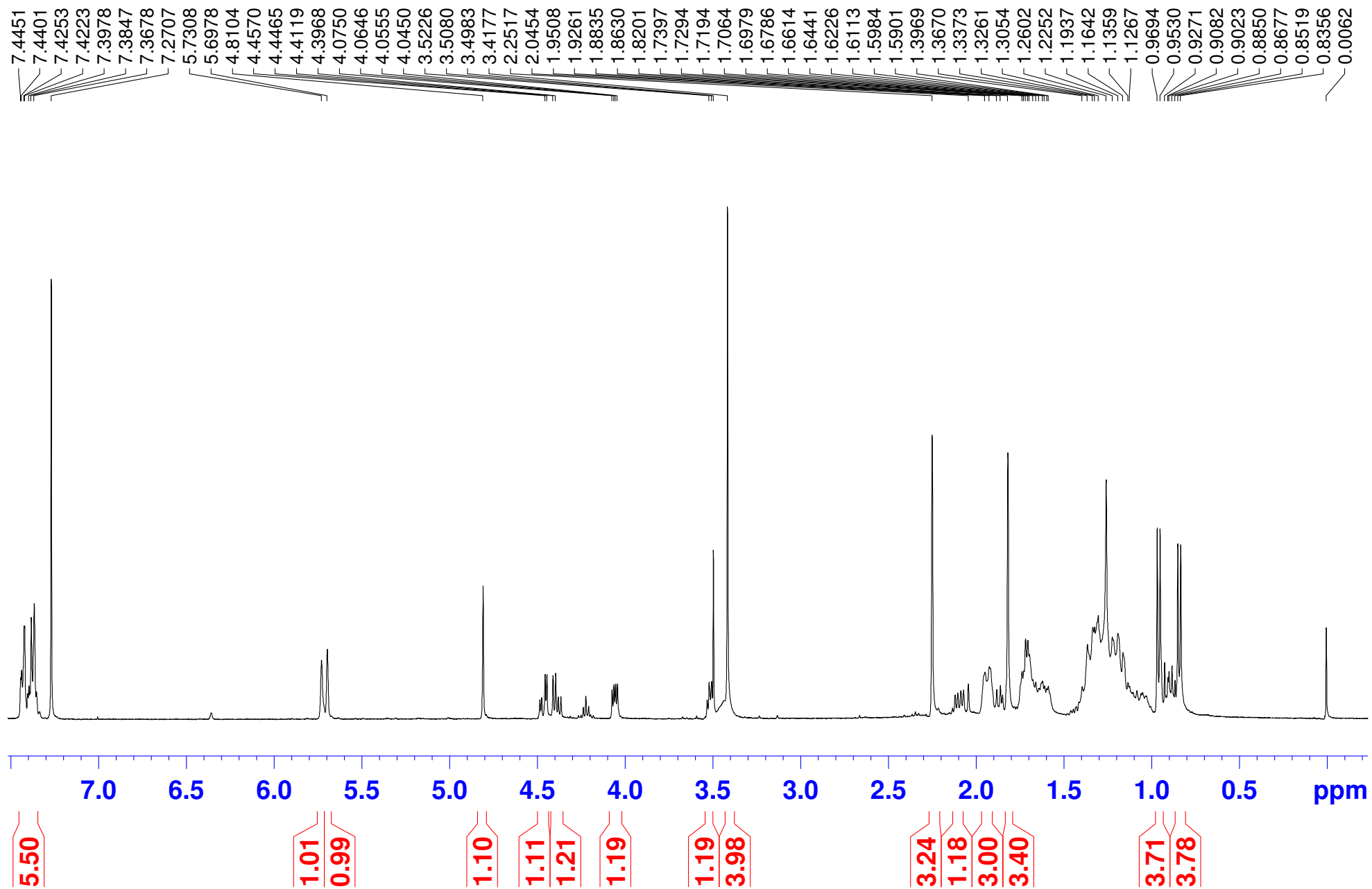


Figure S1-7 ¹H NMR Spectrum of R-MPA Ester of **1** (**1a**) in CDCl₃ (400 MHz)

TF-24-2-1-1-S 1H NMR CDCl3 400 MHz

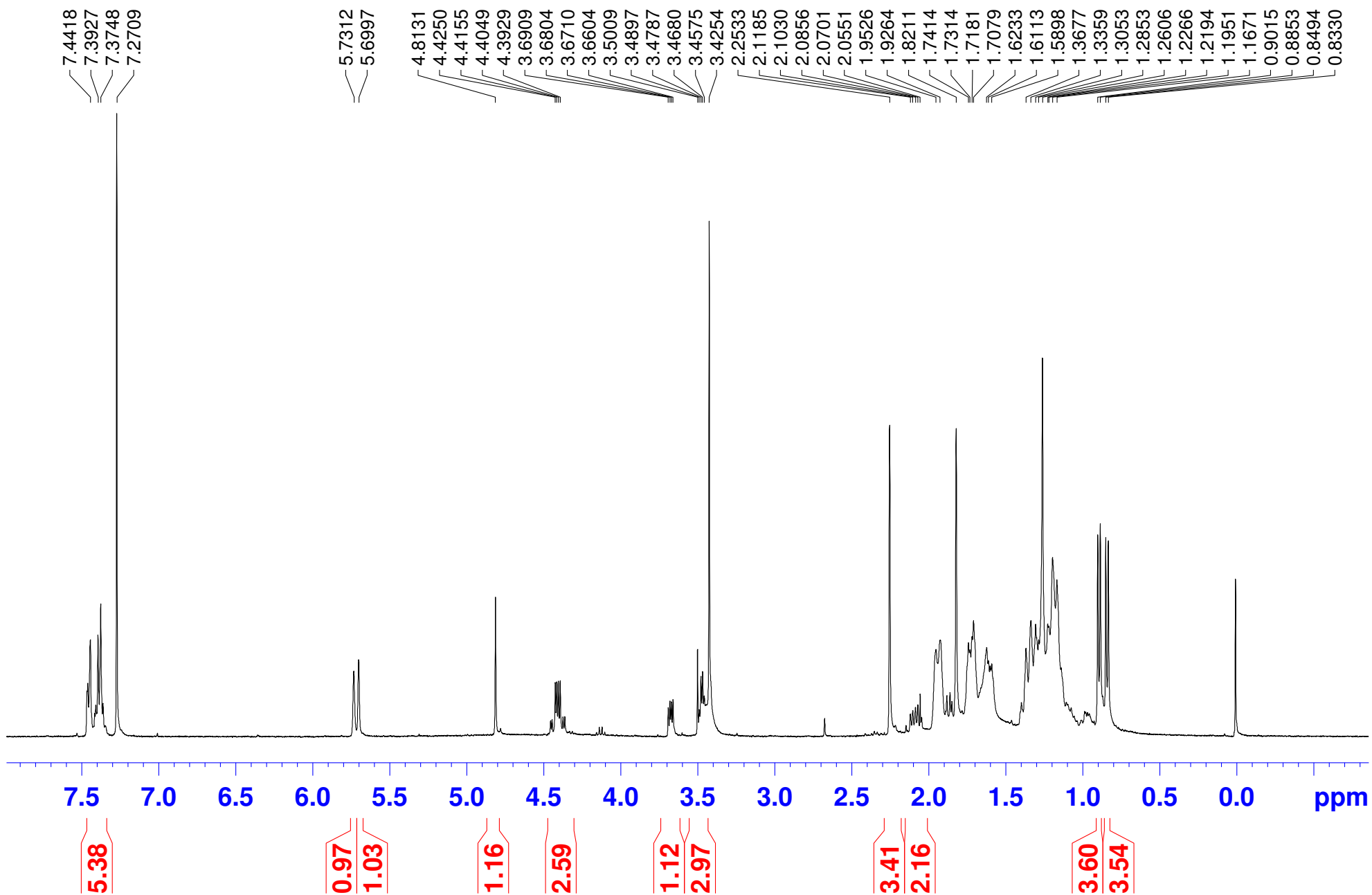


Figure S1-8 ¹H NMR Spectrum of S-MPA Ester of 1 (1b) in CDCl₃ (400 MHz)

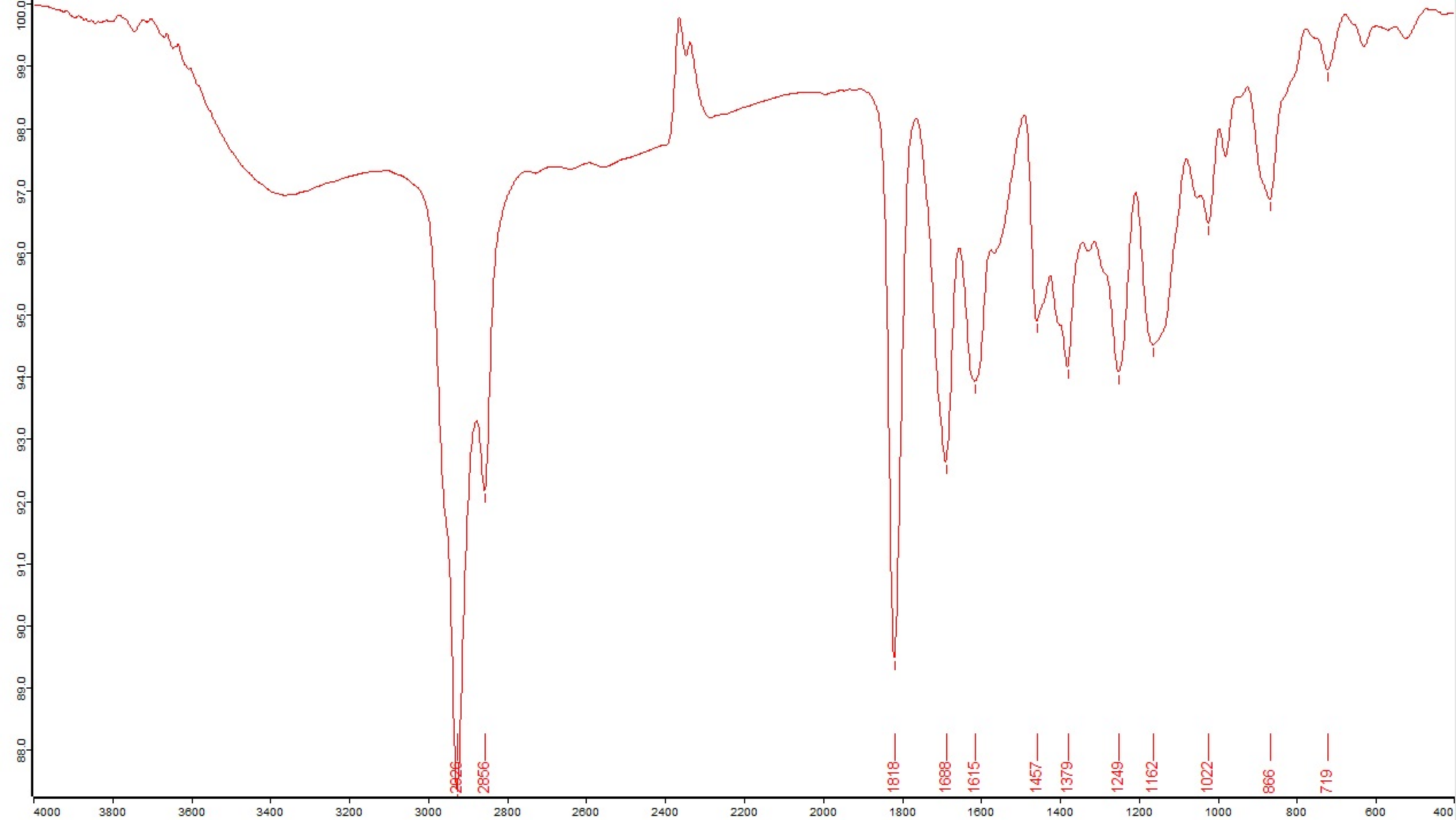


Figure S1-9 IR Spectrum of **1**

TF-24-2-1-2 1H NMR CD3OD 400 MHz

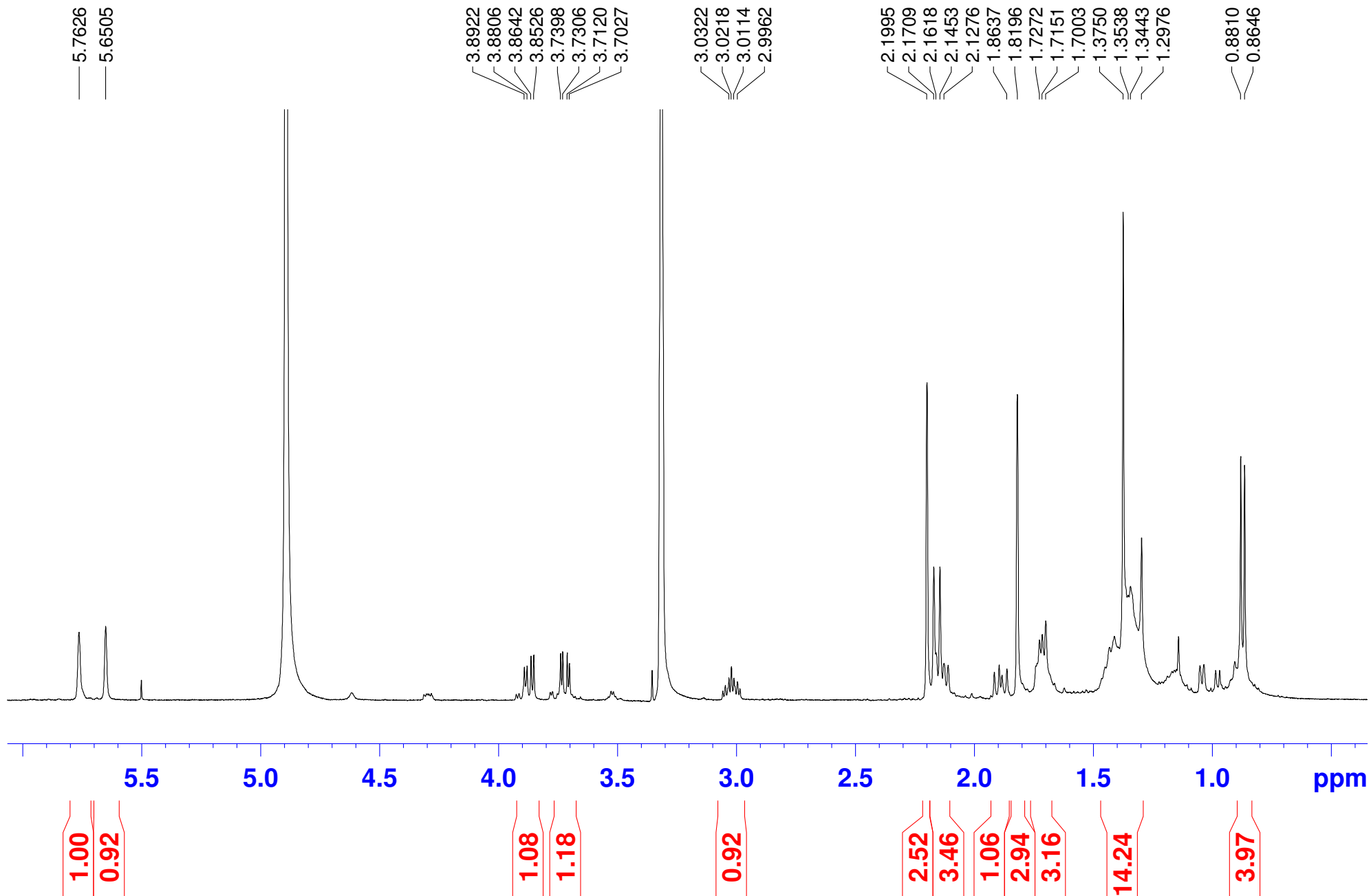


Figure S2-1 ¹H NMR Spectrum of **2** in CD₃OD (400 MHz)

TF-24-2-1-2 ¹³C NMR CD₃OD 100 MHz

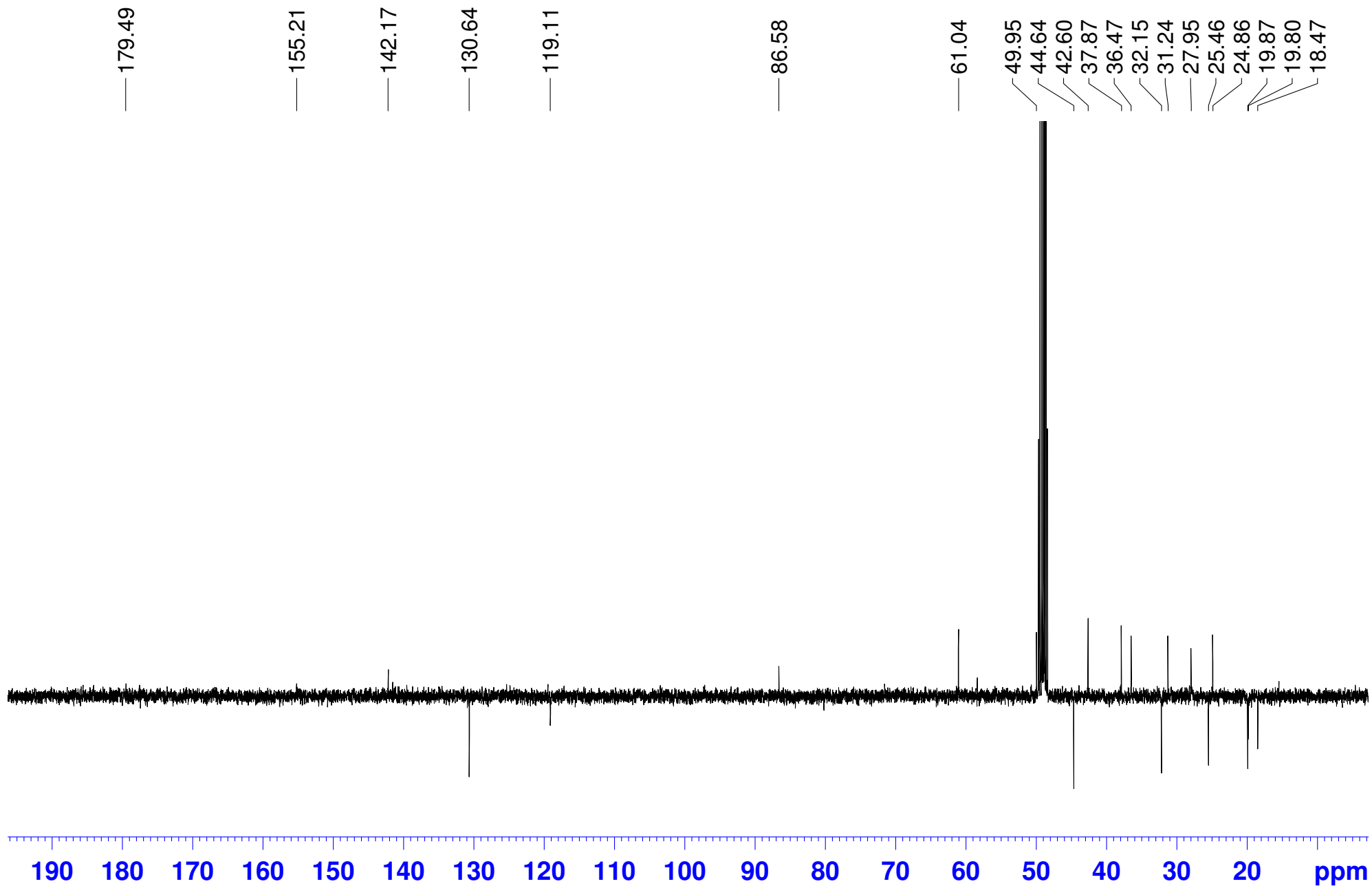


Figure S2-2 ¹³C Spectrum of **2** in CD₃OD (100 MHz)

TF-24-2-1-2 HSQC CD3OD

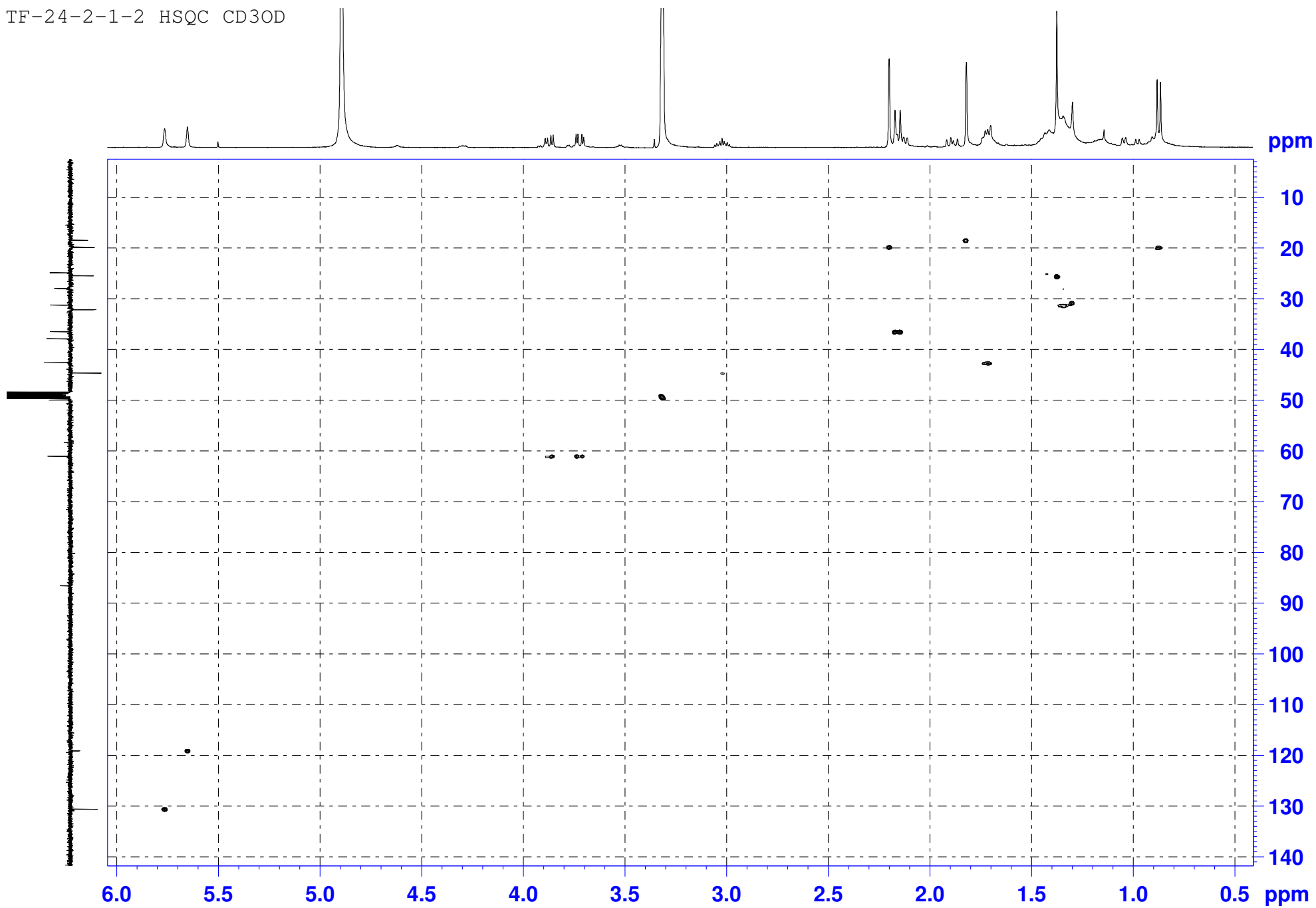


Figure S2-3 HSQC Spectrum of **2** in CD_3OD

TF-24-2-1-2 COSY CD3OD

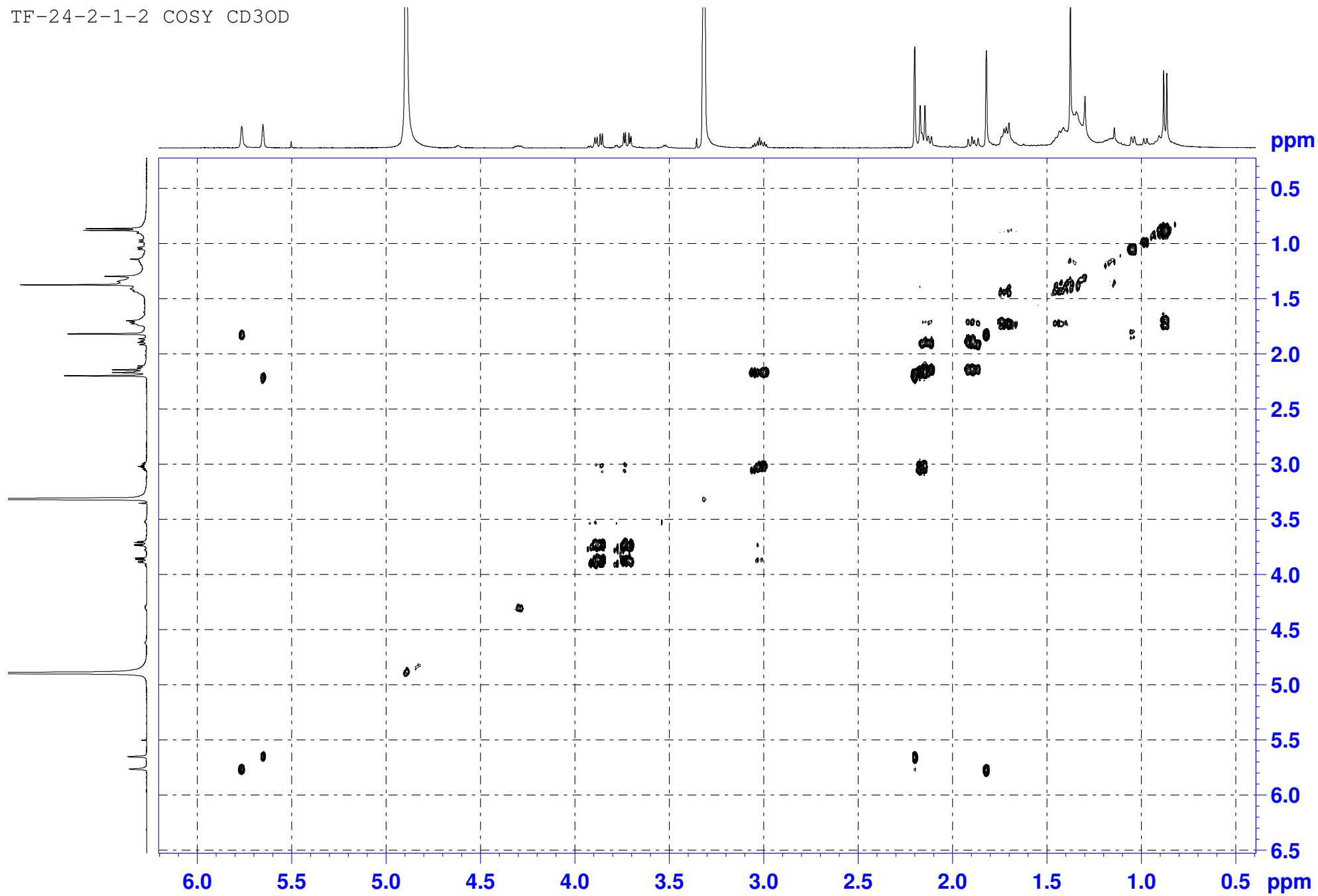


Figure S2-4 COSY Spectrum of 2 in CD₃OD

TF-24-2-1-2 HMBC CD3OD

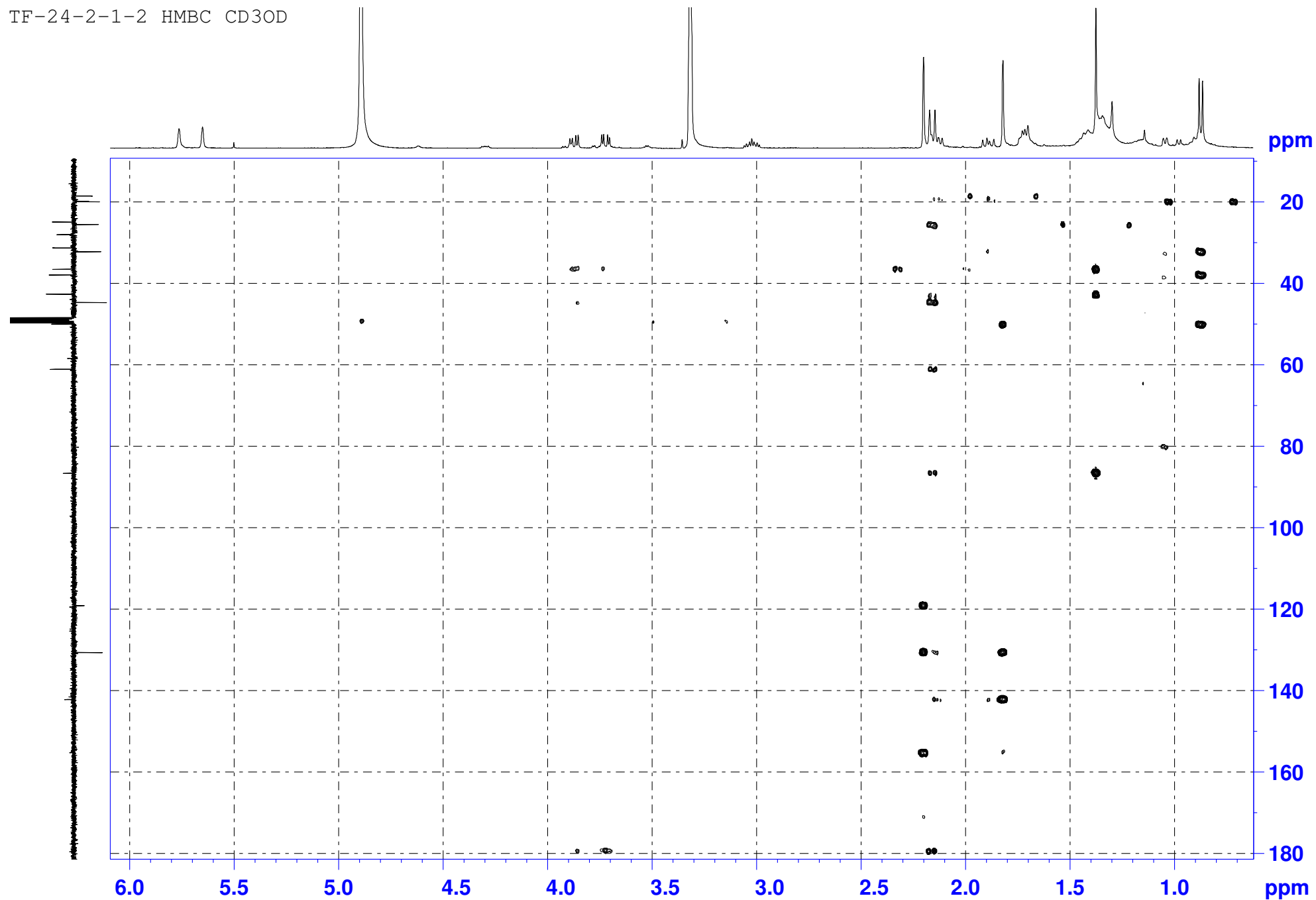


Figure S2-5 HMBC Spectrum of **2** in CD₃OD

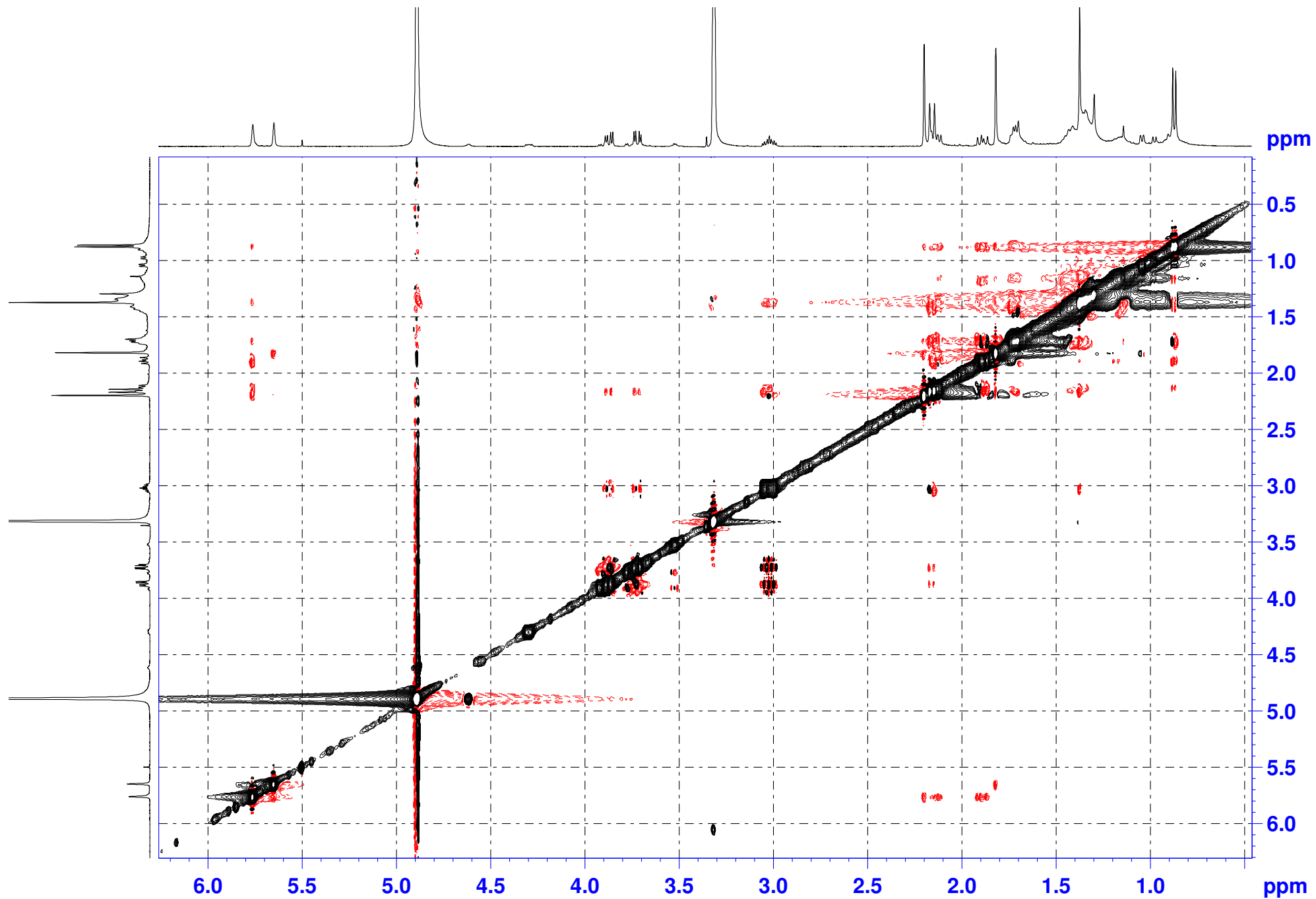


Figure S2-6 NOESY Spectrum of 2 in CD₃OD

TF-26-2-2-1 1H NMR CD3OD 400 MHz

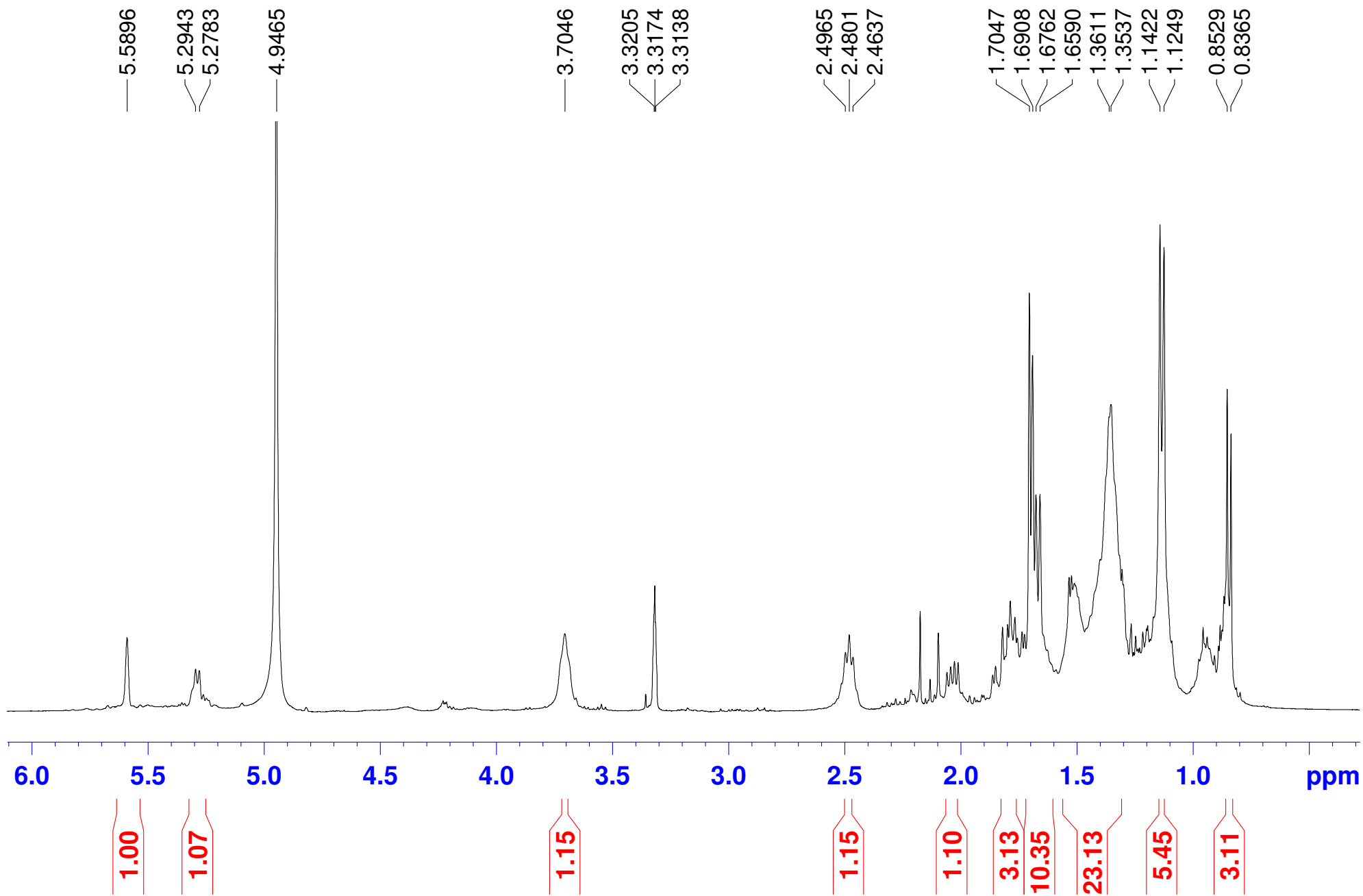


Figure S3-1 ¹H NMR Spectrum of **3** in CD₃OD (400 MHz)

TF-26-2-2-1 ¹³C NMR CD₃OD 100 MHz

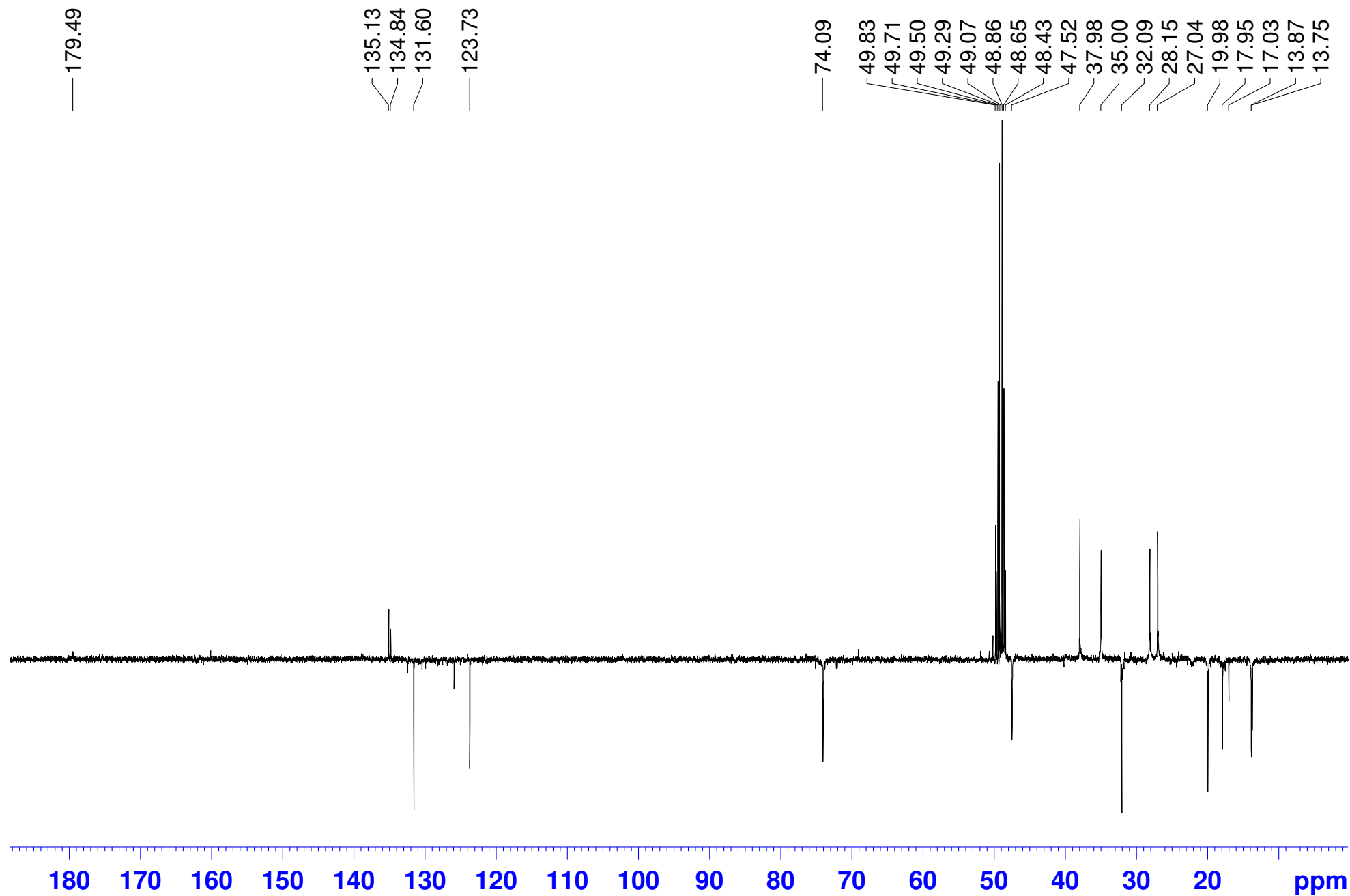


Figure S3-2 ¹³C Spectrum of **3** in CD₃OD (100 MHz)

TF-26-2-2-1 HSQC CD3OD

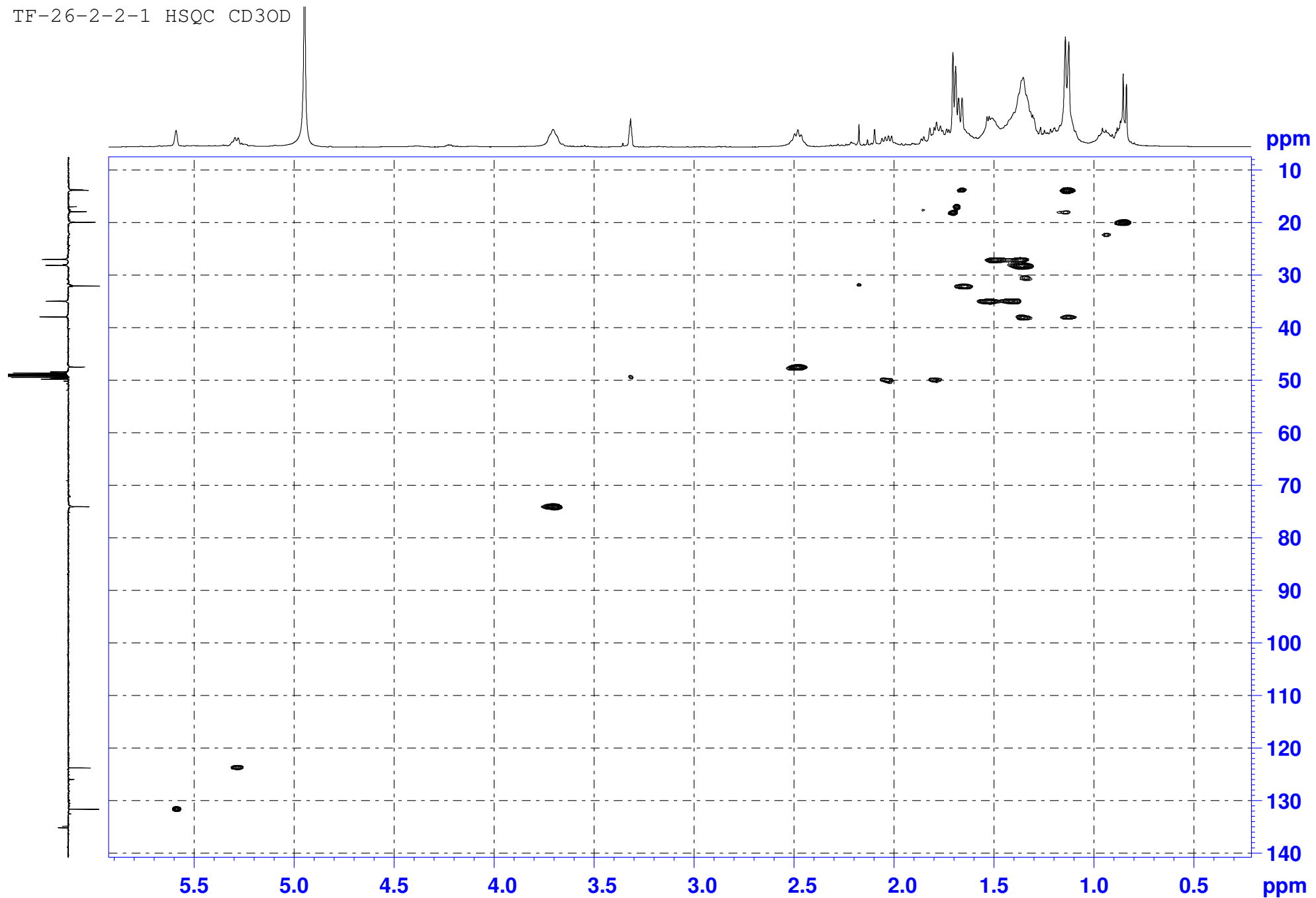


Figure S3-3 HSQC Spectrum of 3 in CD₃OD

TF-26-2-2-1 COSY CD3OD

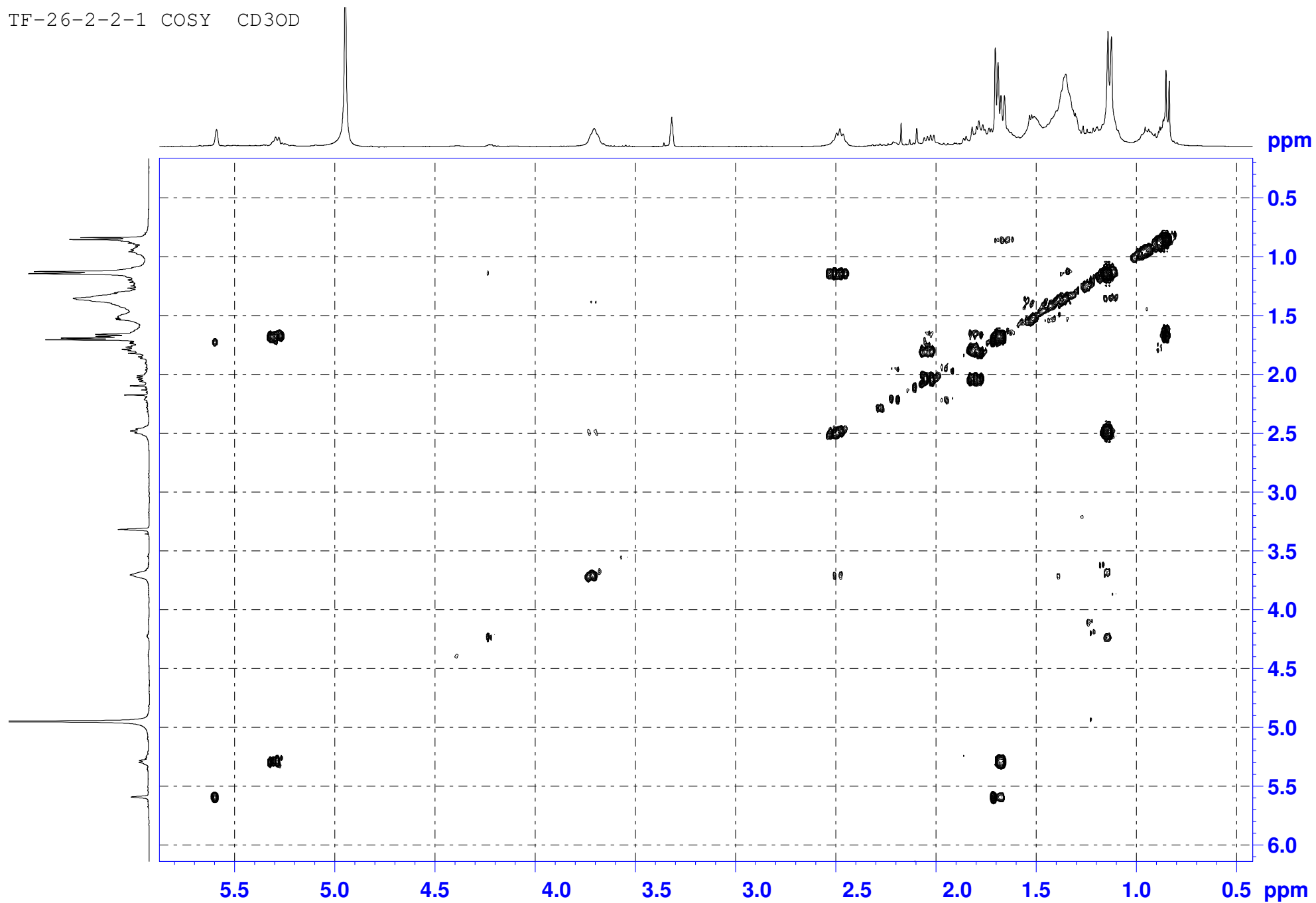


Figure S3-4 COSY Spectrum of 3 in CD₃OD

TF-26-2-2-1 HMBC CD3OD

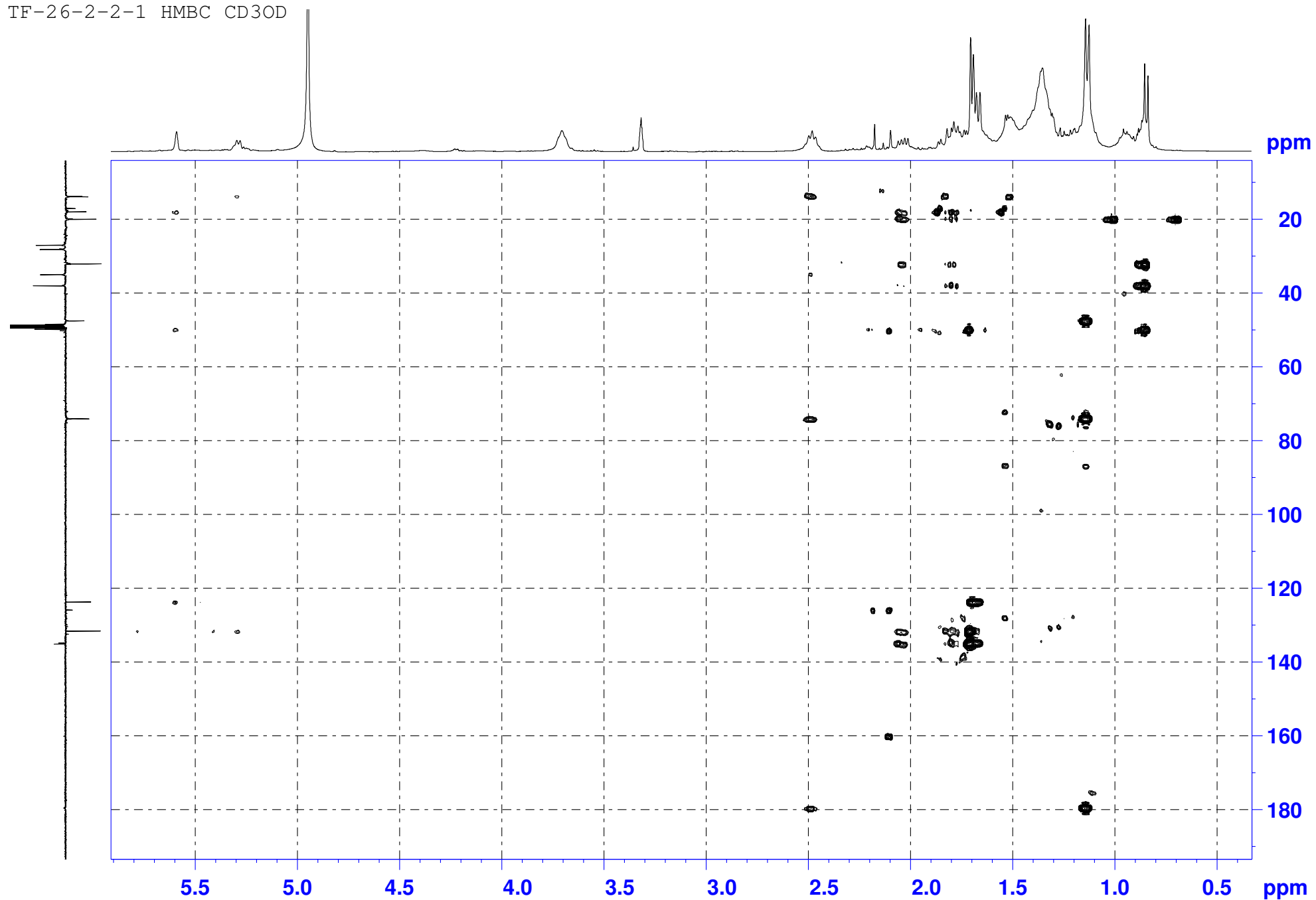


Figure S3-5 HMBC Spectrum of 3 in CD₃OD

TF-26-2-2-1 NOESY CD3OD

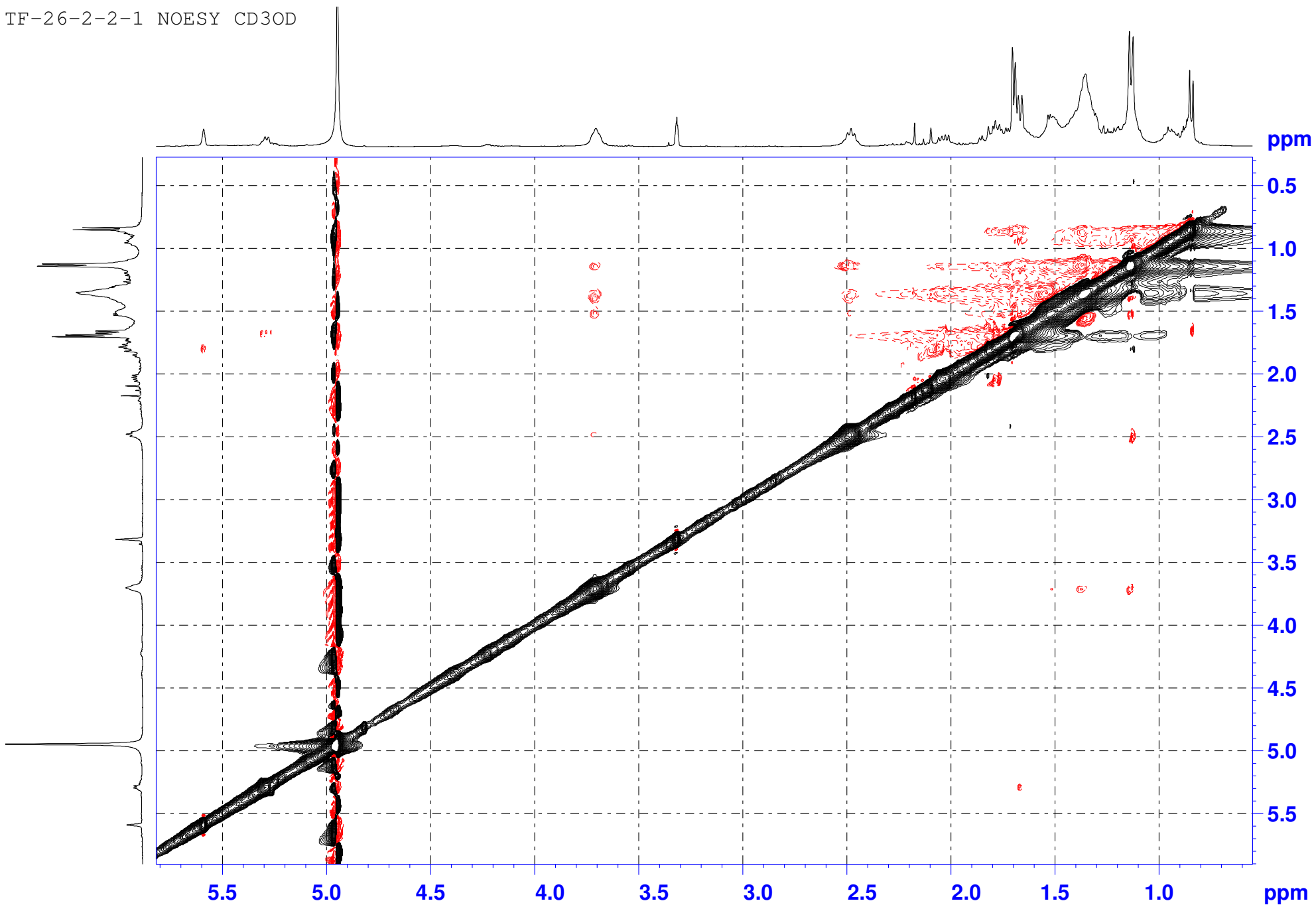


Figure S3-6 NOESY Spectrum of 3 in CD₃OD

TF-26-2-2-2 1H NMR CD3OD 400 MHz

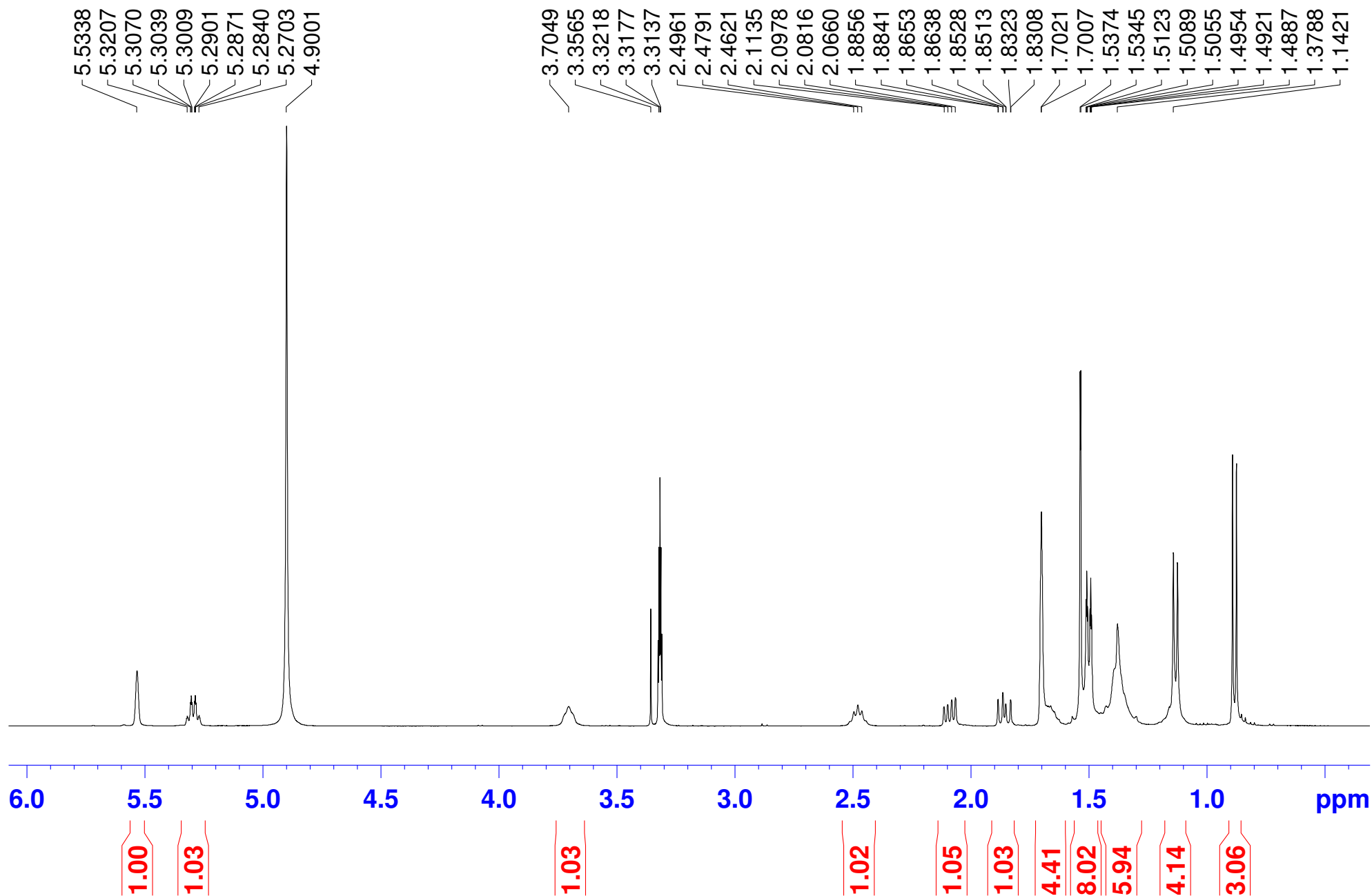


Figure S4-1 ¹H NMR Spectrum of 4 in CD₃OD (400 MHz)

TF-26-2-2-2 ¹³C NMR CD3OD 100 MHz

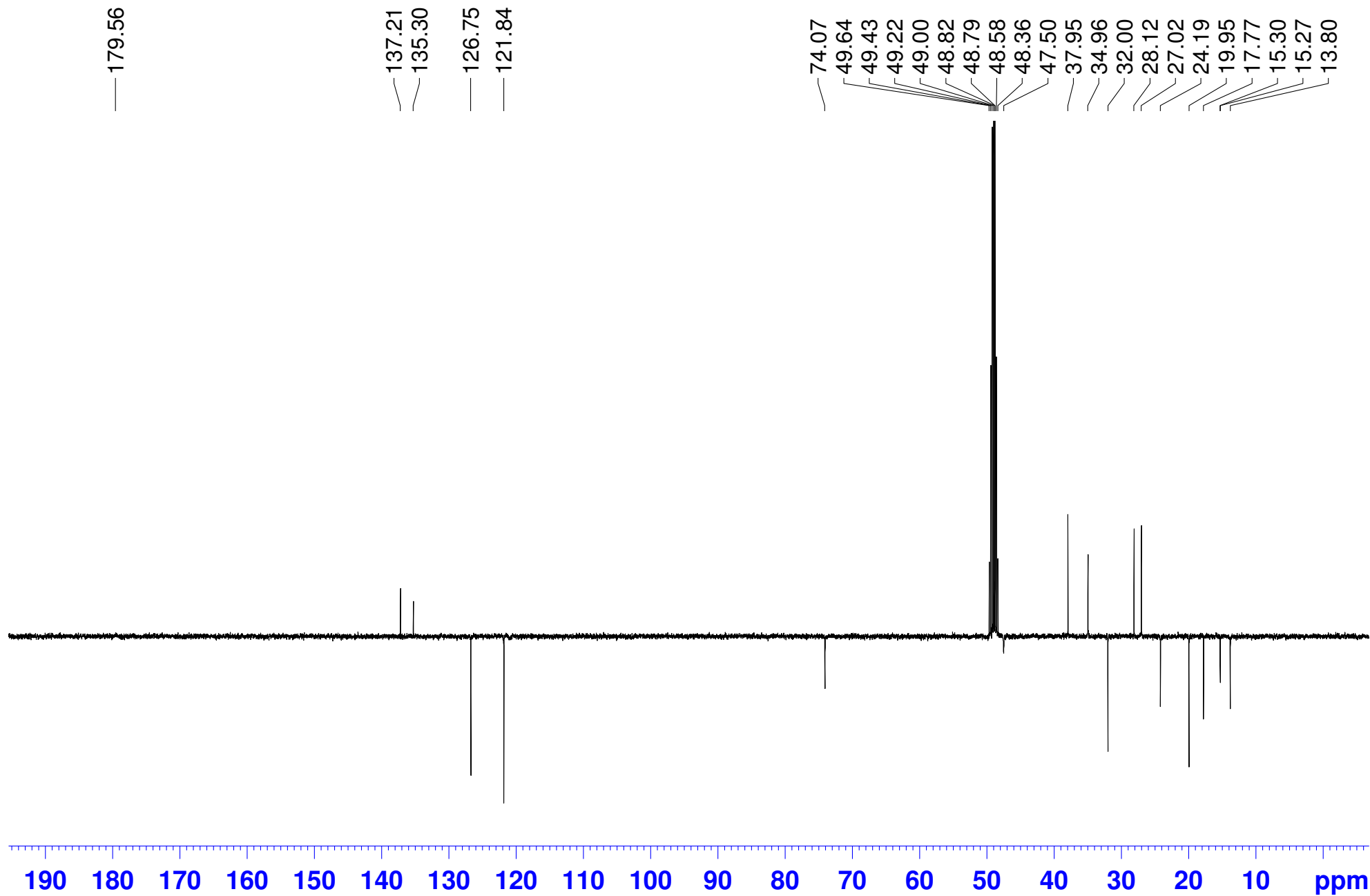


Figure S4-2 ¹³C Spectrum of 4 in CD₃OD (100 MHz)

TF-26-2-2-2 HSQC CD3OD

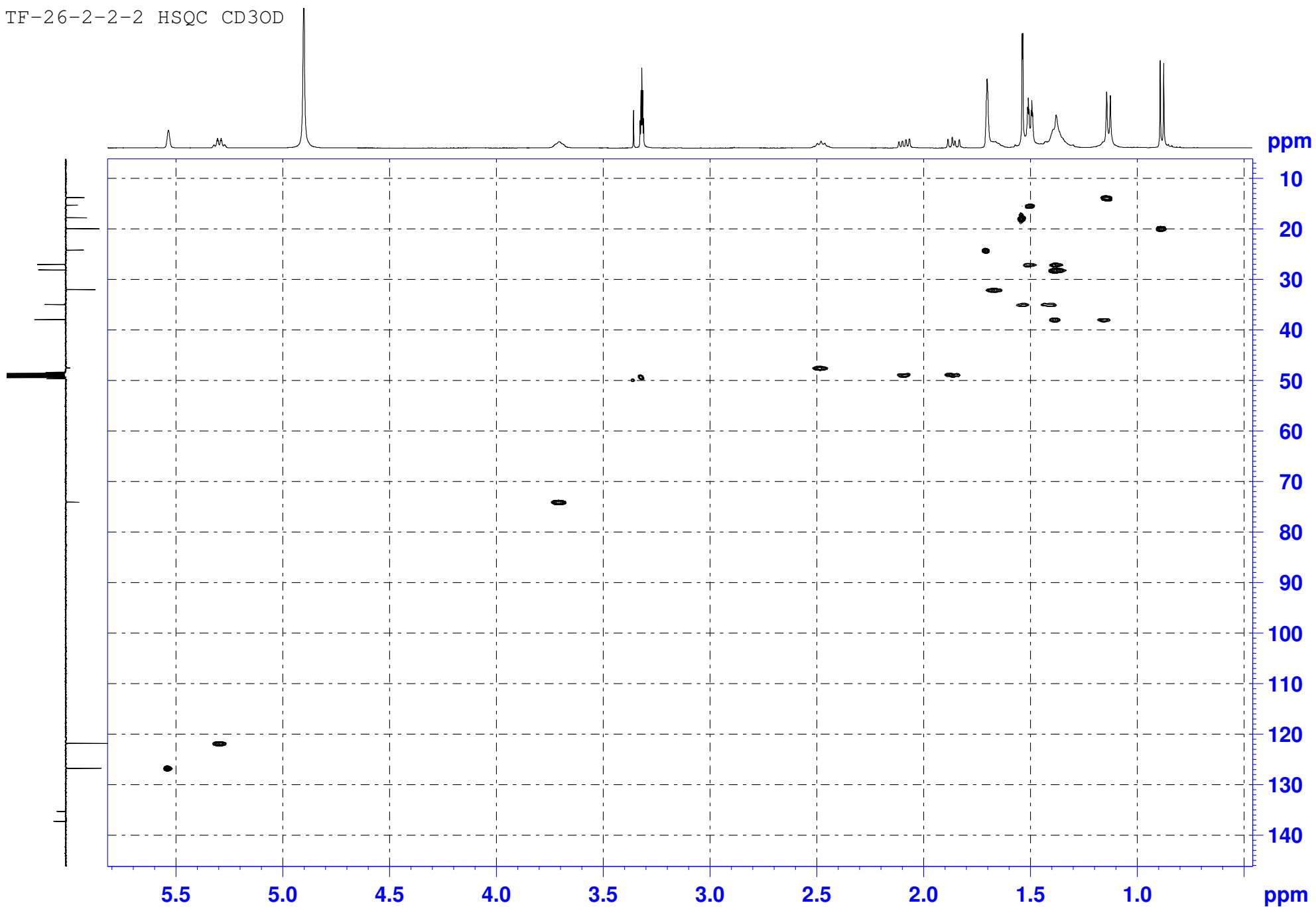


Figure S4-3 HSQC Spectrum of 4 in CD_3OD

TF-26-2-2-2 COSY CD3OD

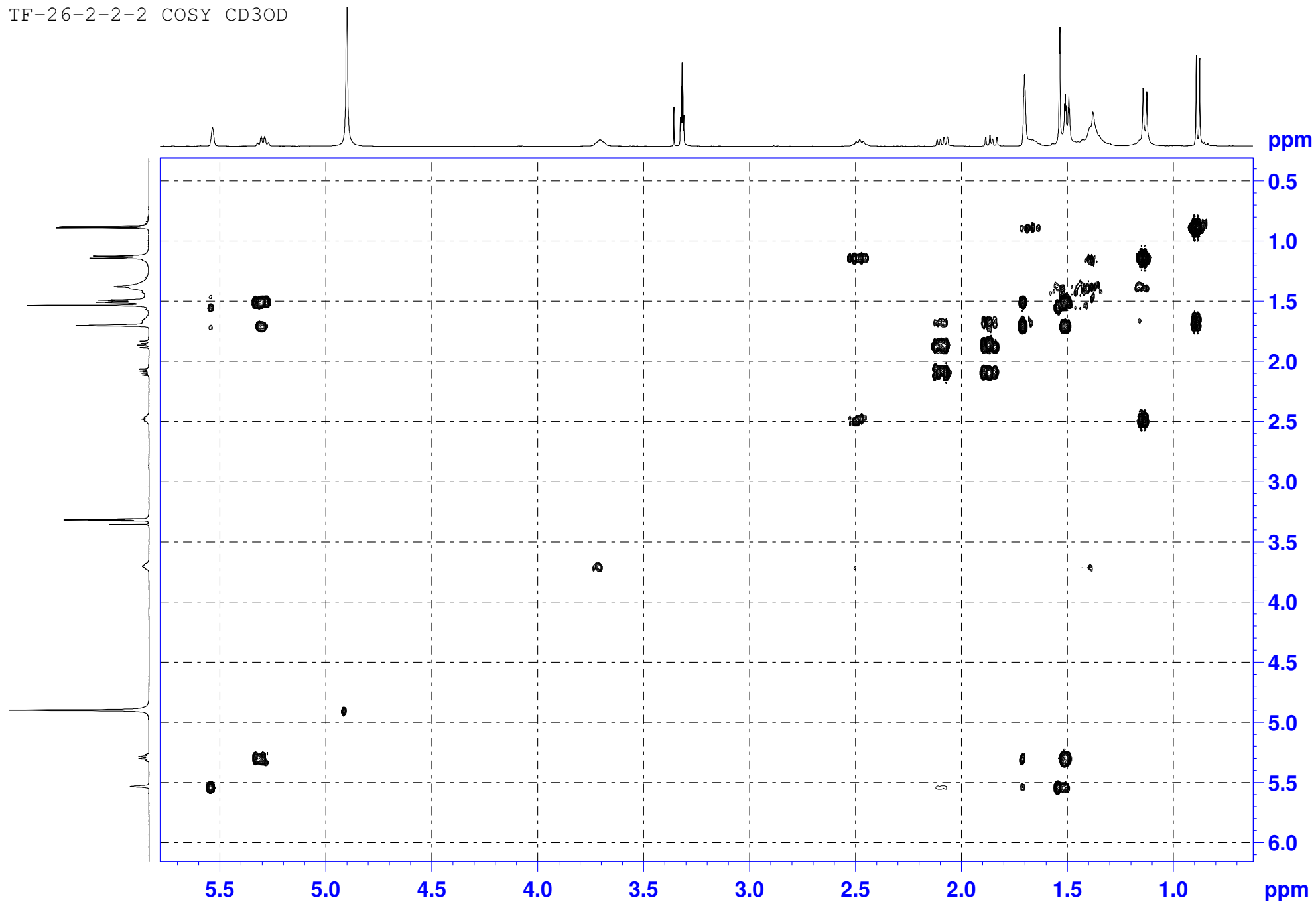


Figure S4-4 COSY Spectrum of 4 in CD₃OD

TF-26-2-2-2 HMBC CD3OD

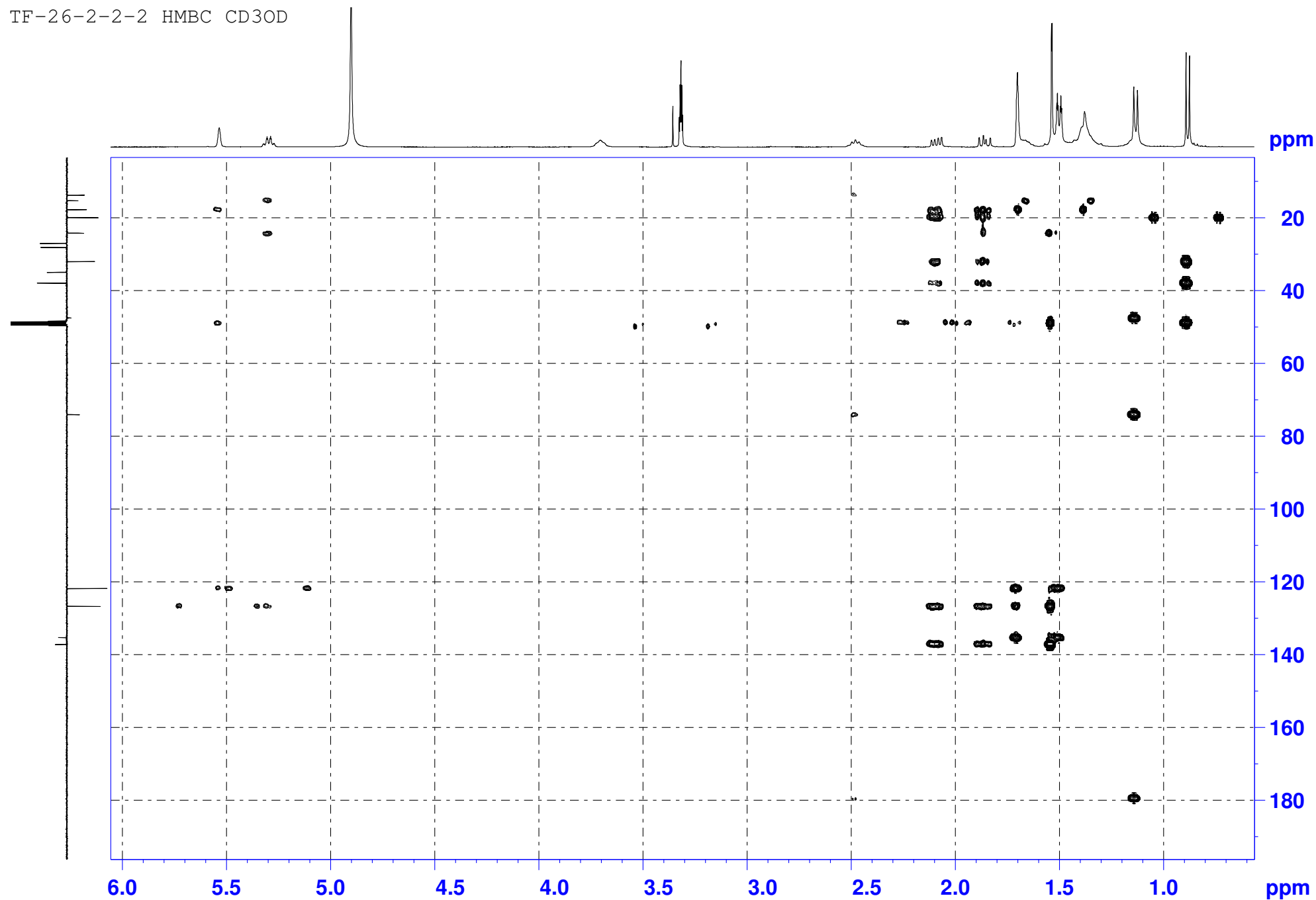


Figure S4-5 HMBC Spectrum of 4 in CD₃OD

TF-26-2-2-2 NOESY CD3OD

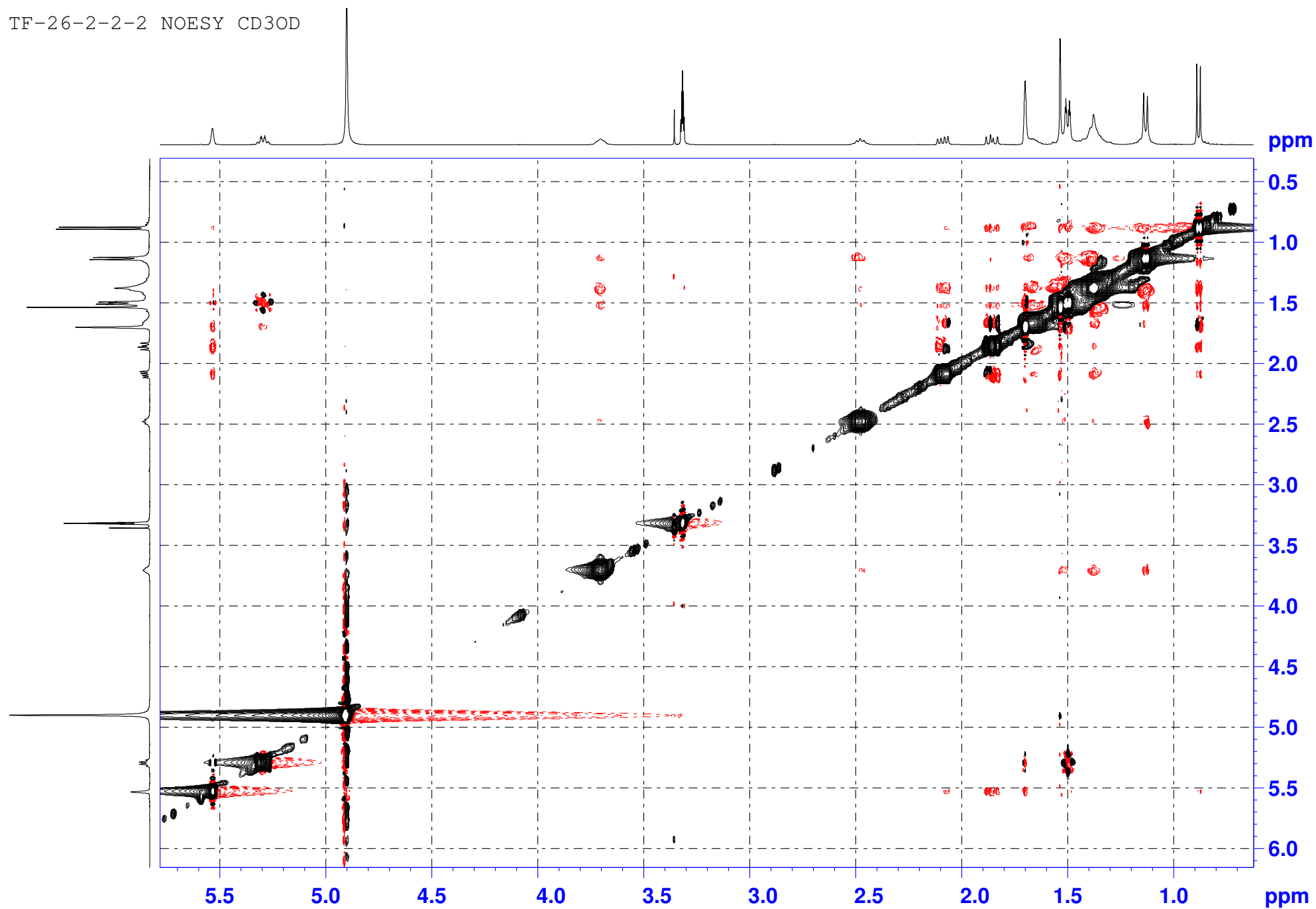


Figure S4-6 NOESY Spectrum of 4 in CD₃OD

TF-14-1-3-1-2 1H NMR CDCl3 400 MHz

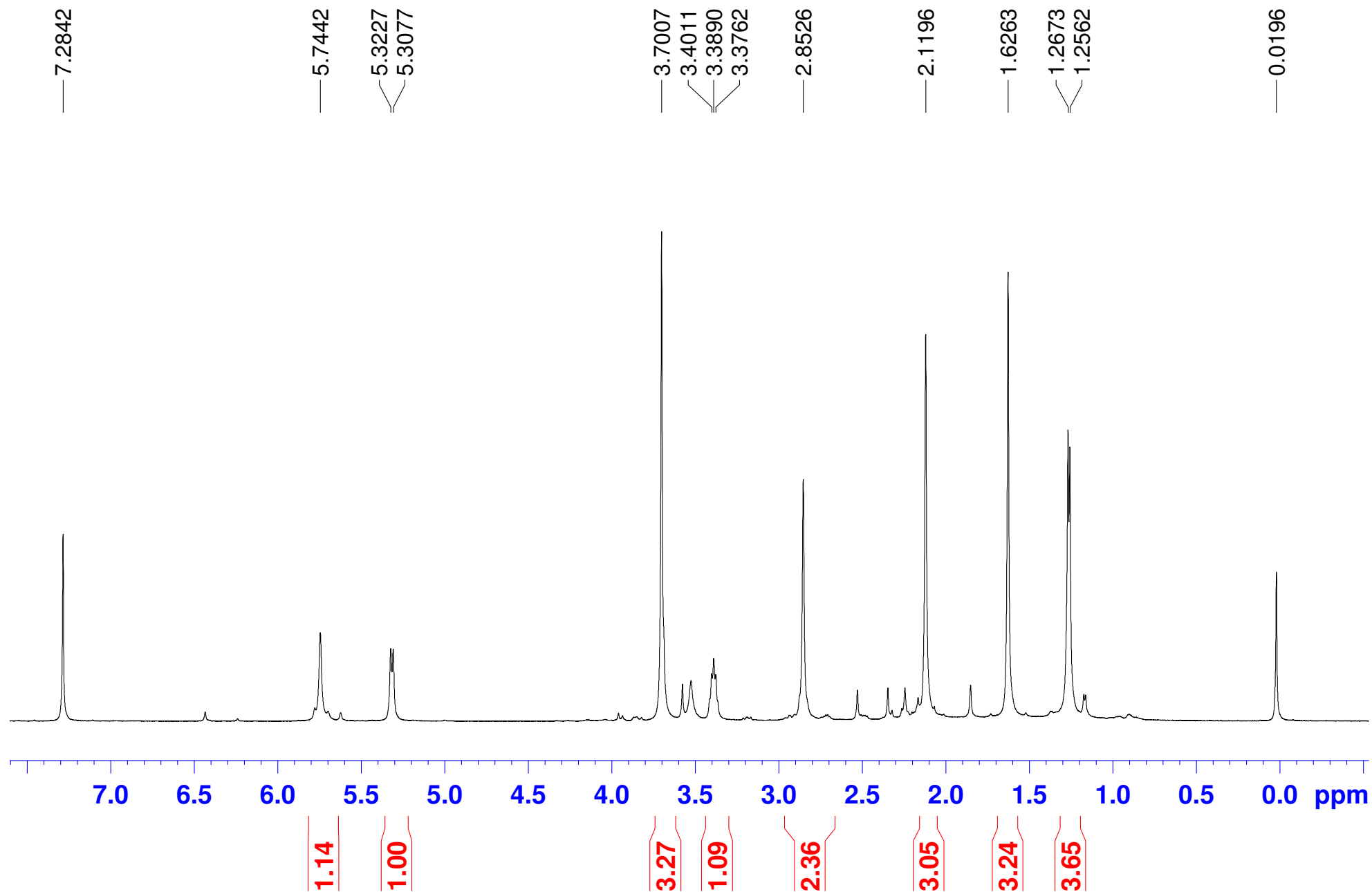


Figure S5-1 ¹H NMR Spectrum of 5 in CDCl₃ (400 MHz)

TF-14-1-3-1-2 ¹³C NMR CDCl₃ 100 MHz

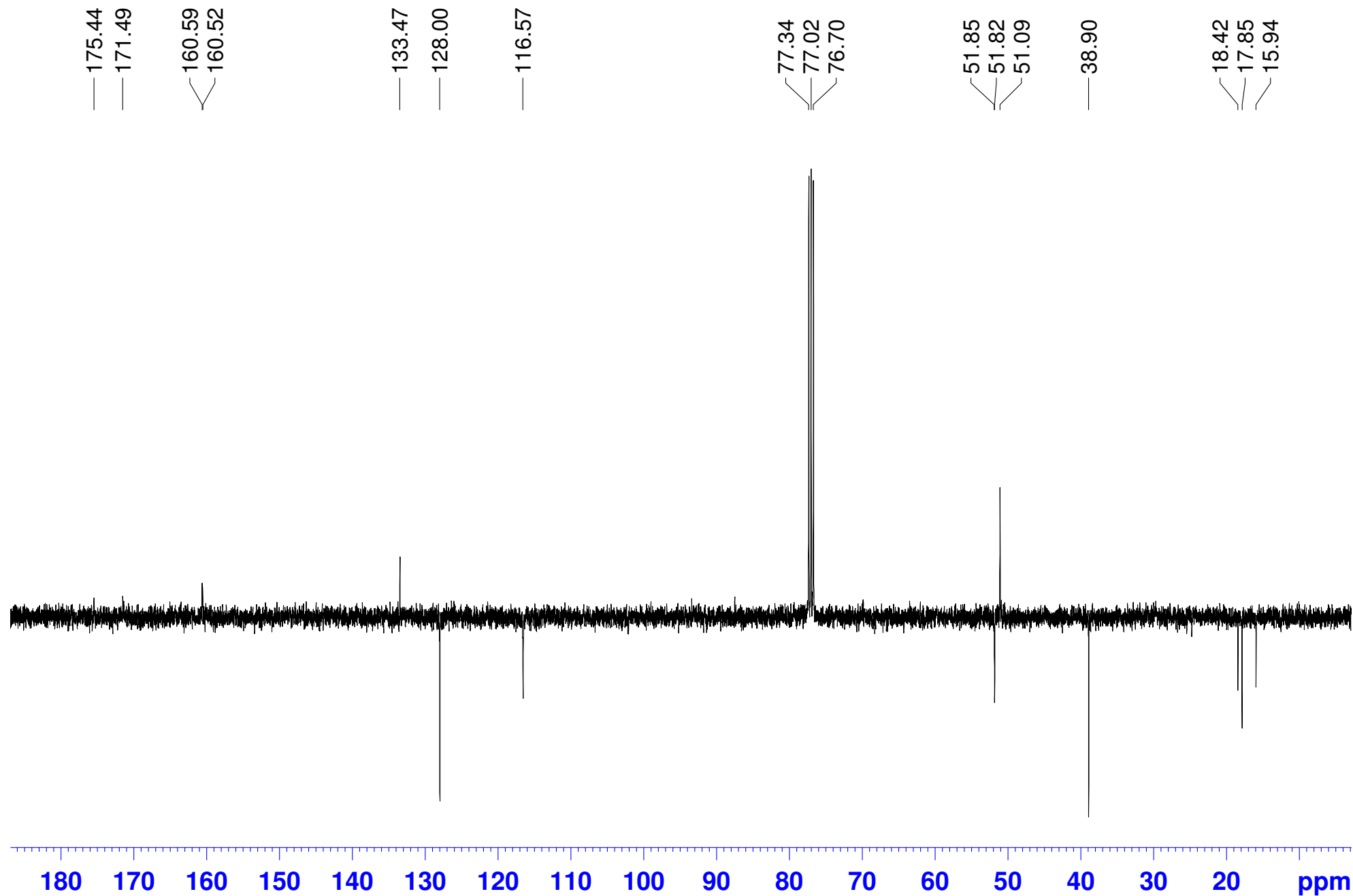


Figure S5-2 ¹³C Spectrum of **5** in CDCl₃ (100 MHz)

TF-14-1-3-1-2 HSQC CDC13

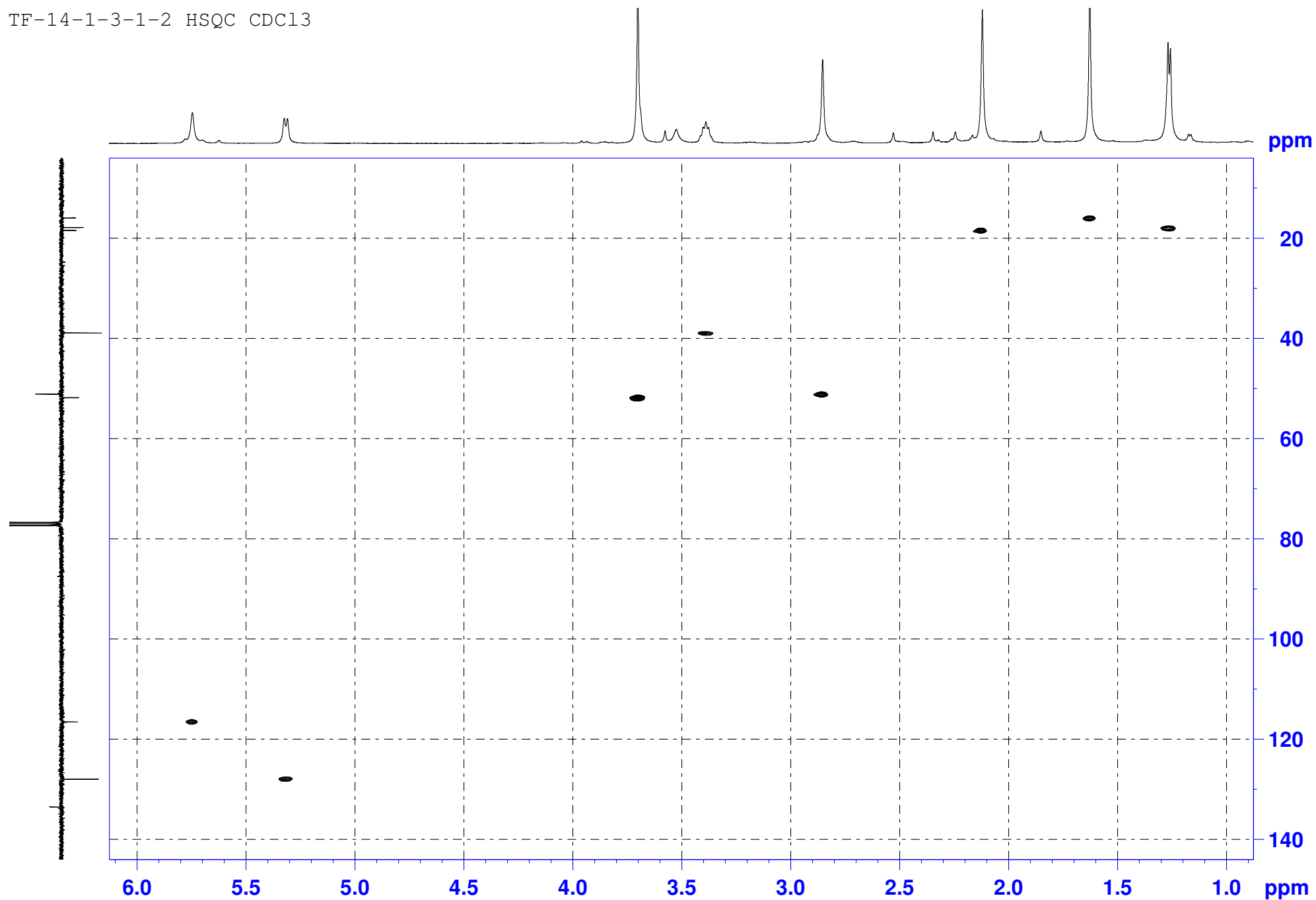


Figure S5-3 HSQC Spectrum of **5** in CDCl_3

TF-14-1-3-1-2 COSY CDC13

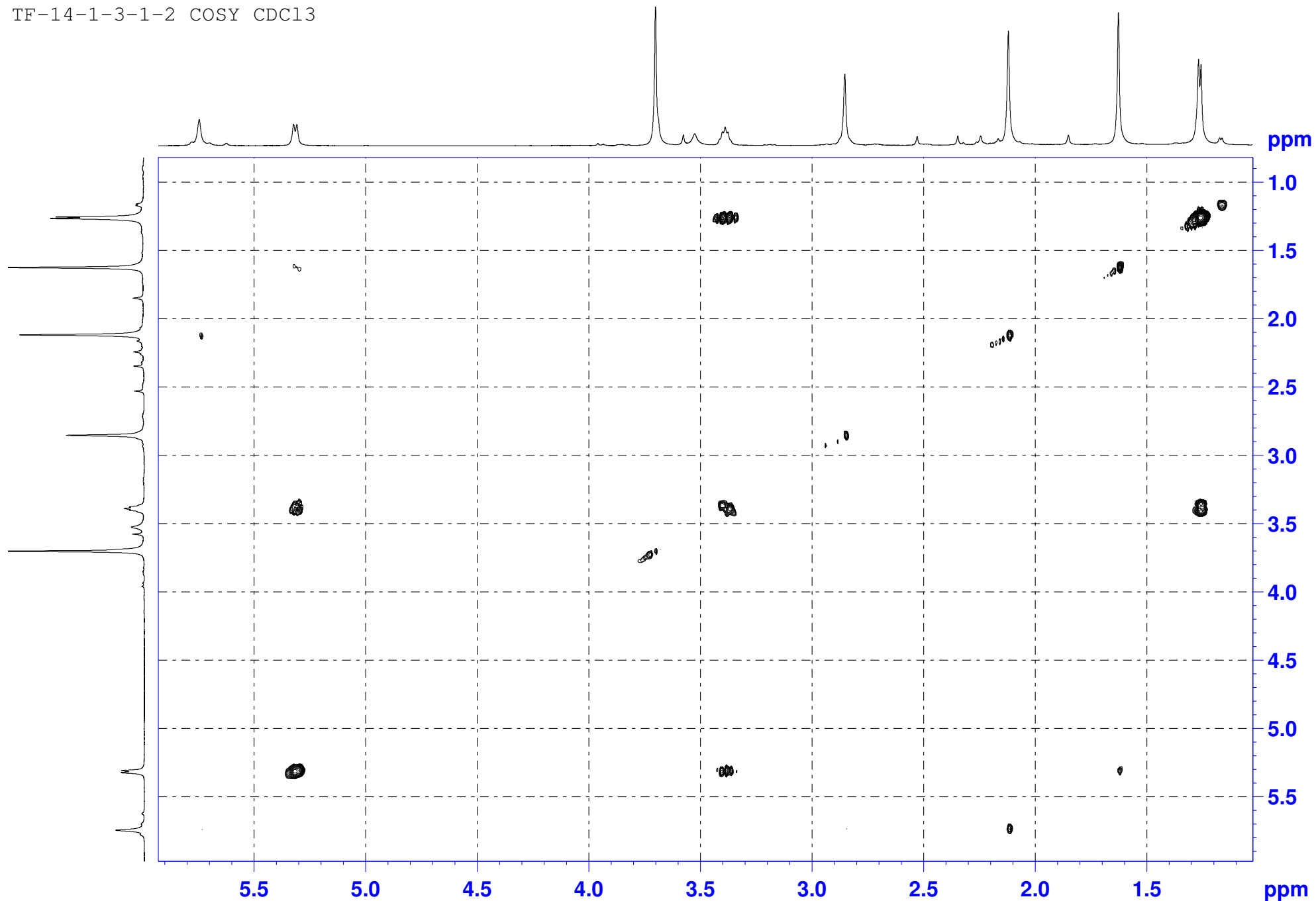


Figure S5-4 COSY Spectrum of 5 in CDCl₃

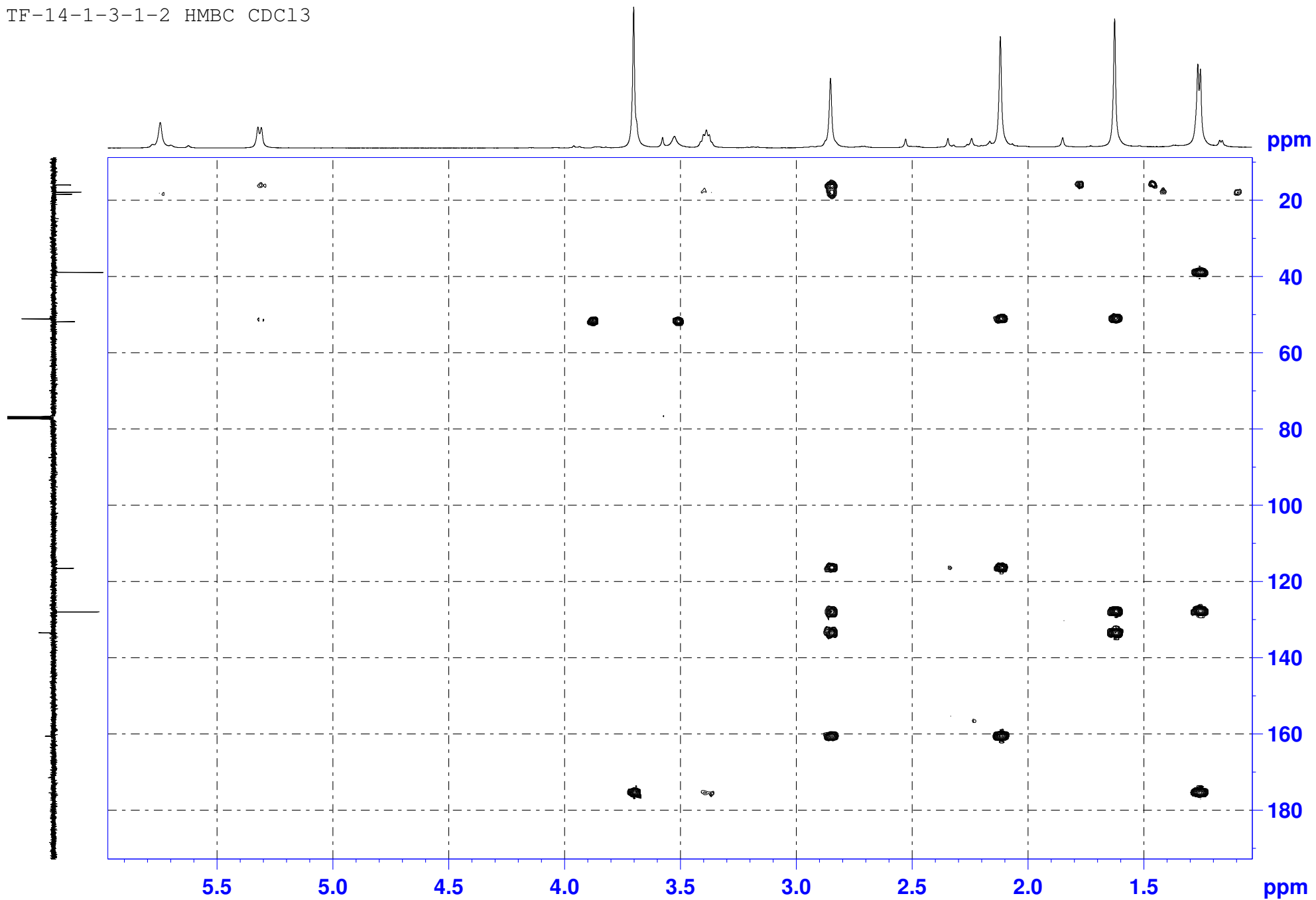


Figure S5-5 HMBC Spectrum of 5 in CDCl₃

TF-14-1-3-1-2 NOESY CDC13

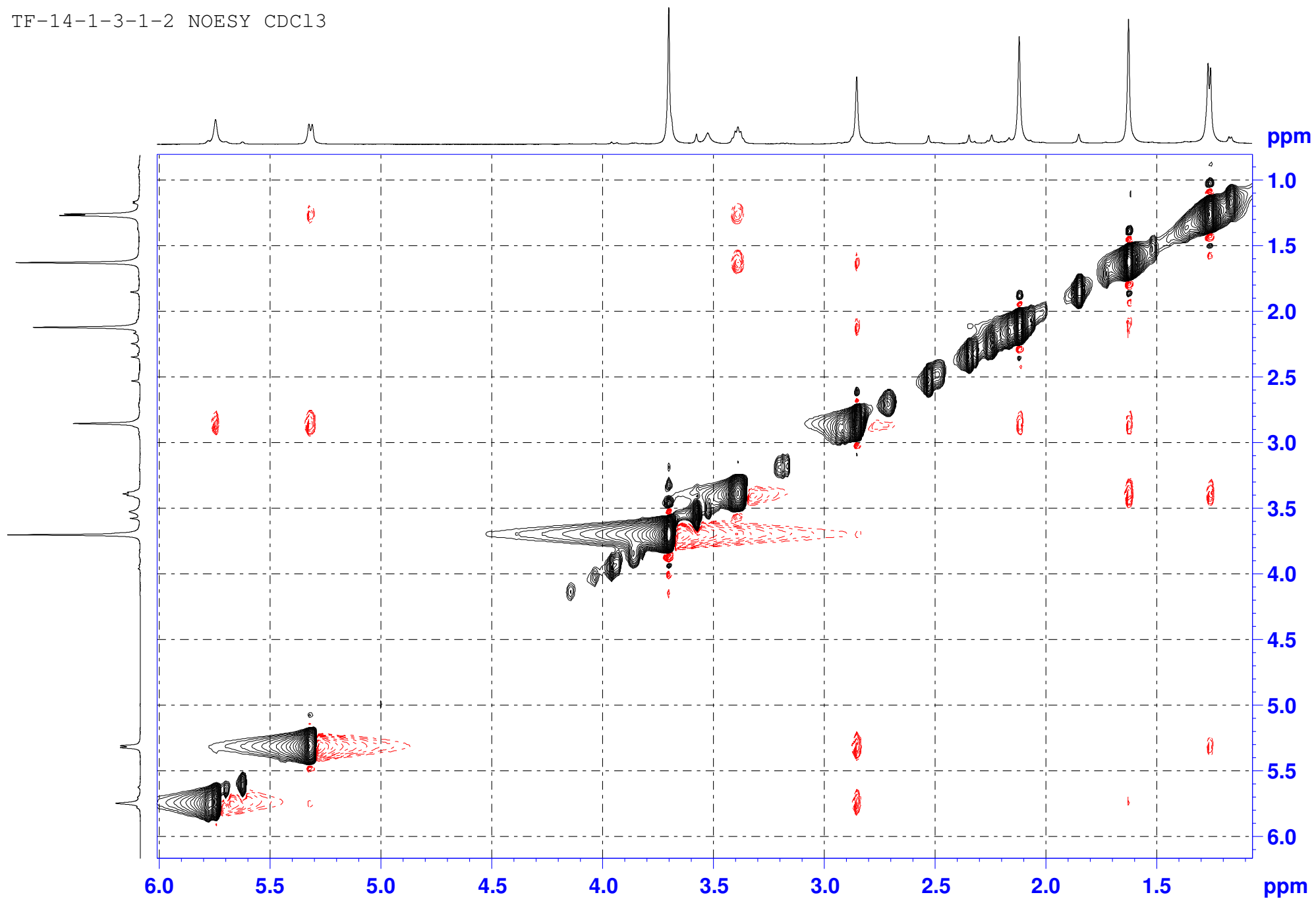


Figure S5-6 NOESY Spectrum of **5** in CDCl₃

TF-18-1-1 1H NMR CD3OD 400 MHz

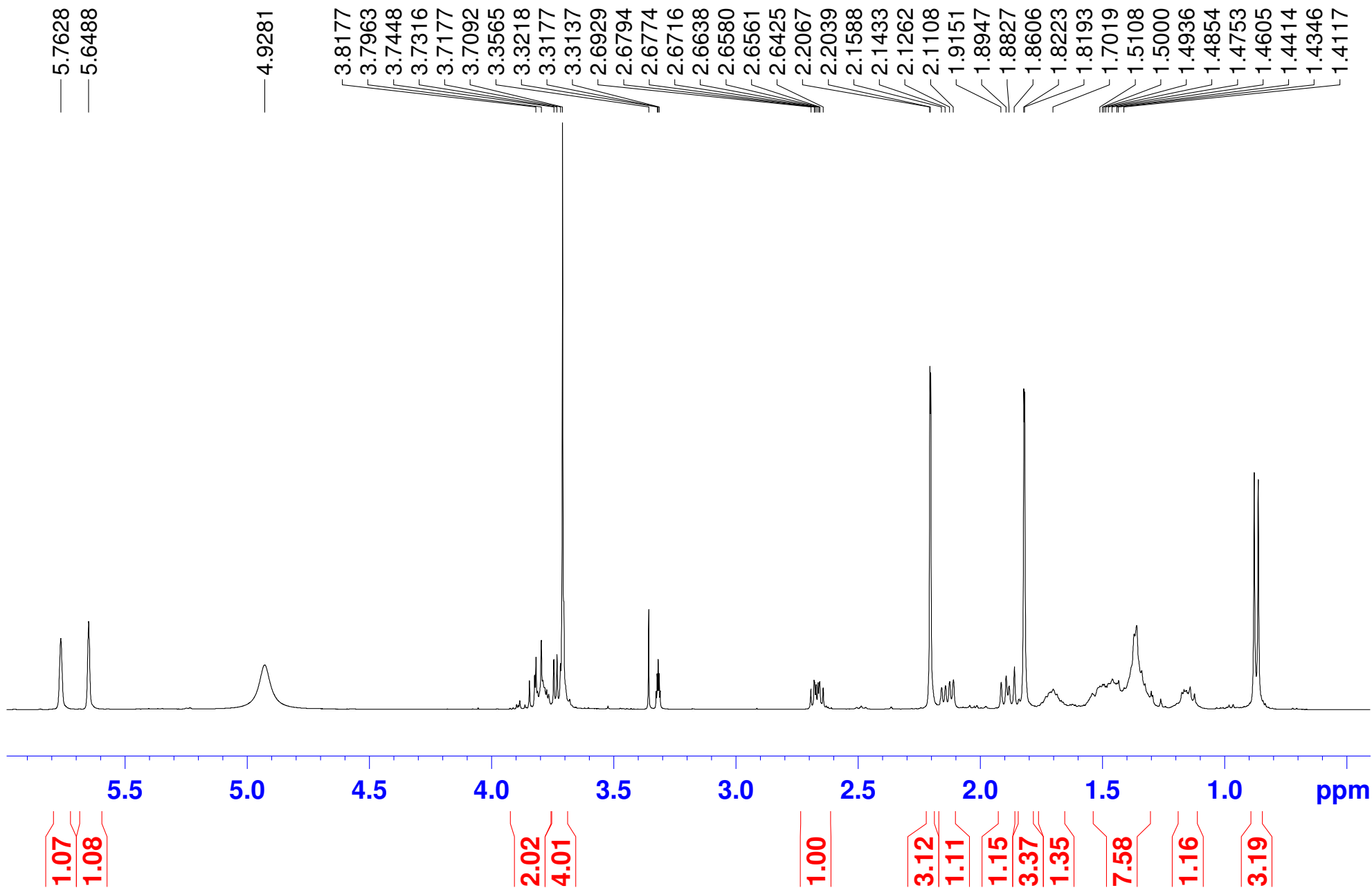


Figure S6-1 ¹H NMR Spectrum of **6** in CD₃OD (400 MHz)

TF-18-1-1 ¹³C NMR CD₃OD 100MHz

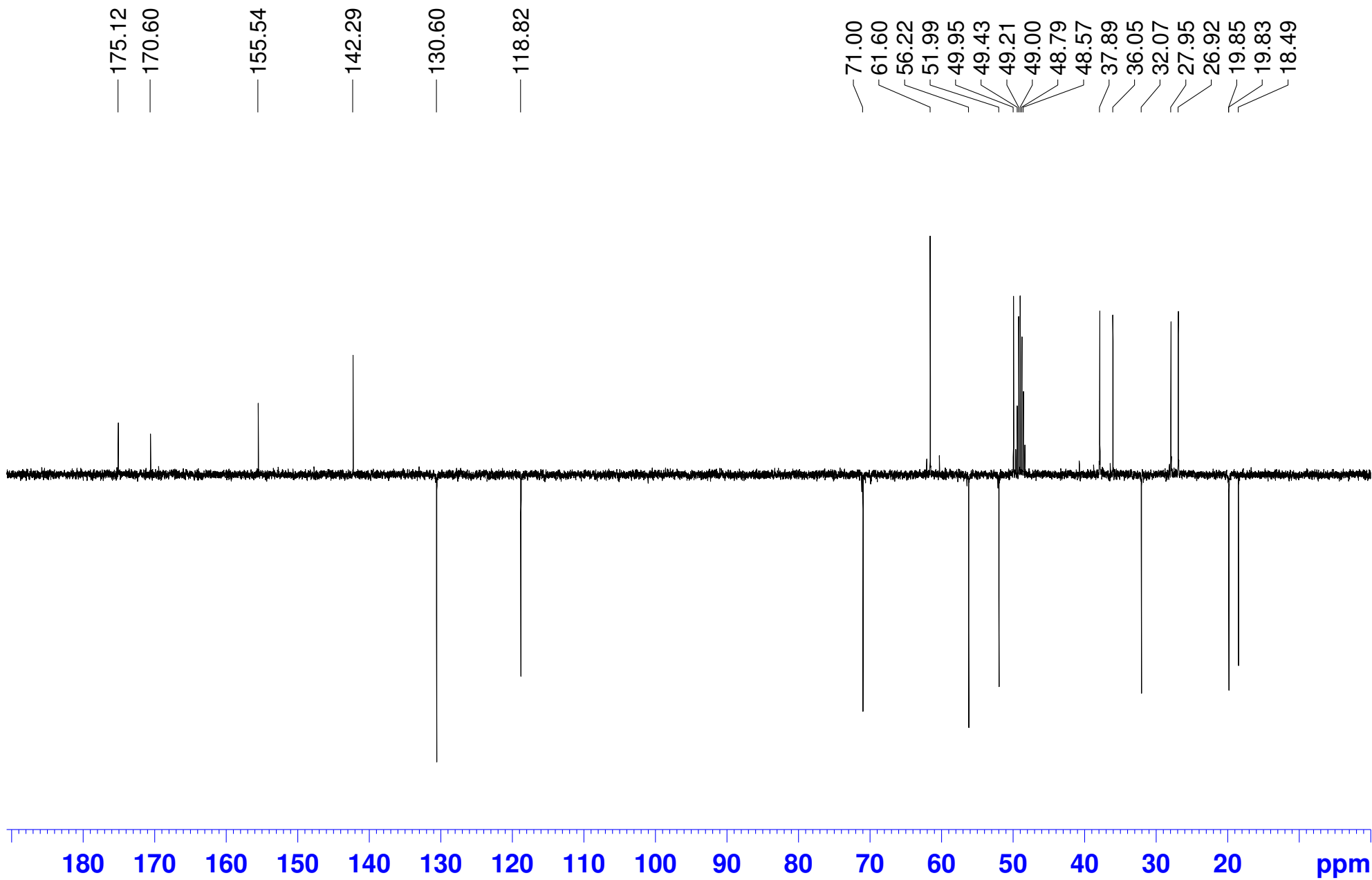


Figure S6-2 ¹³C NMR Spectrum of **6** in CD₃OD (100 MHz)

TF-14-6-2 ¹H NMR CD₃OD 400 MHz

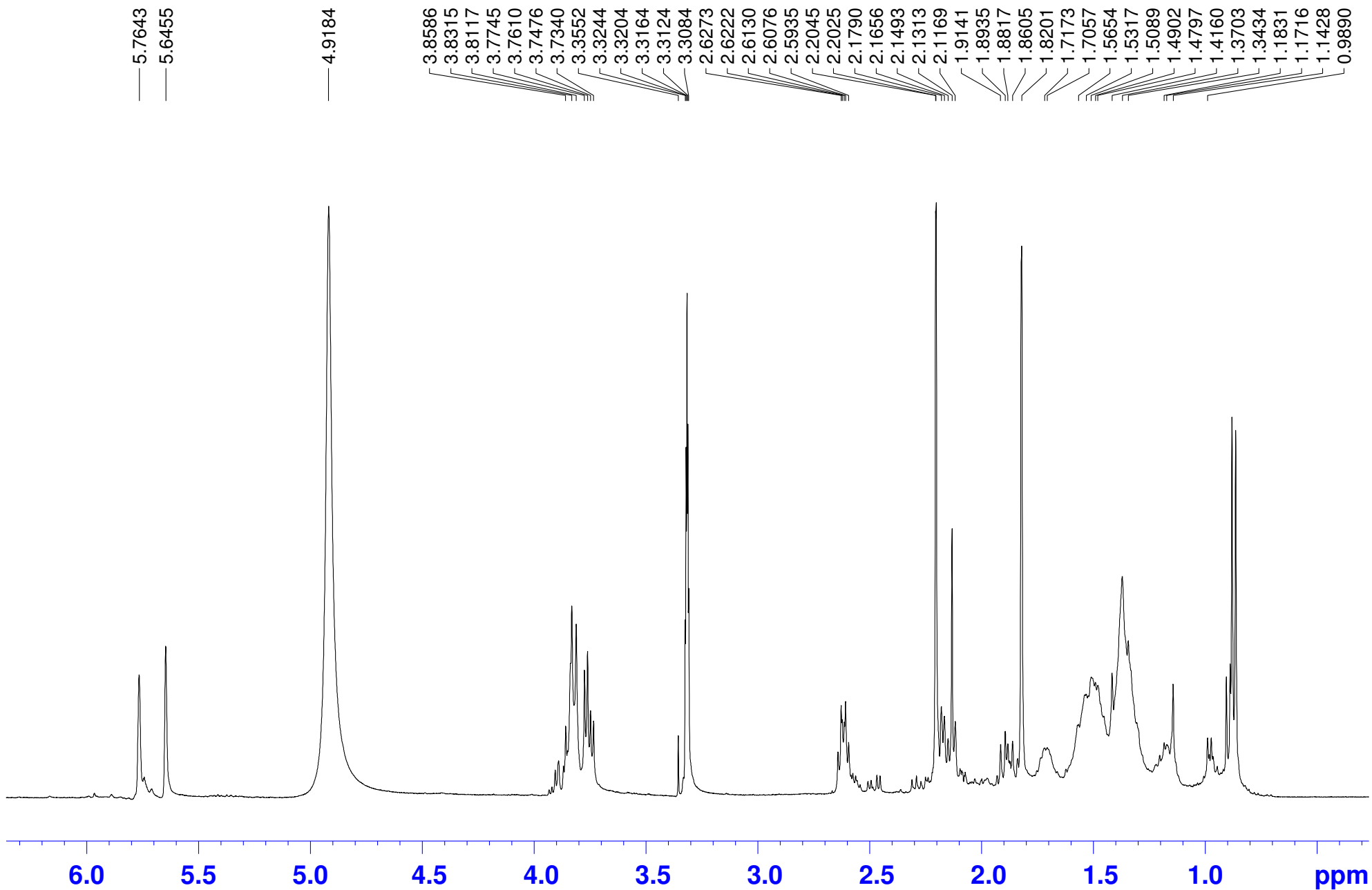


Figure S7-1 ¹H NMR Spectrum of **7** in CD₃OD (400 MHz)

TF-14-6-2 ¹³C NMR CD₃OD 100 MHz

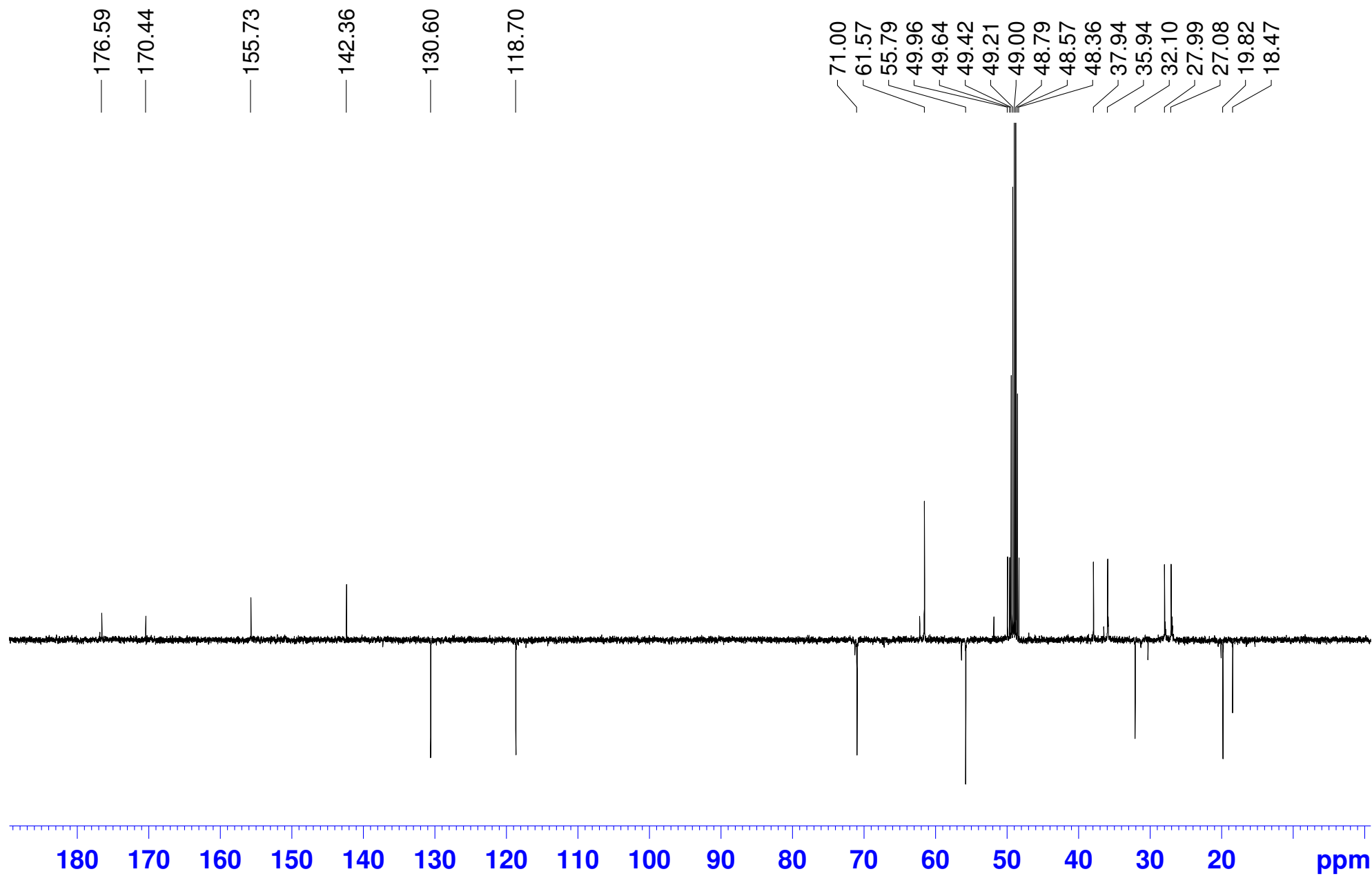


Figure S7-2 ¹³C NMR Spectrum of 7 in CD₃OD (100 MHz)

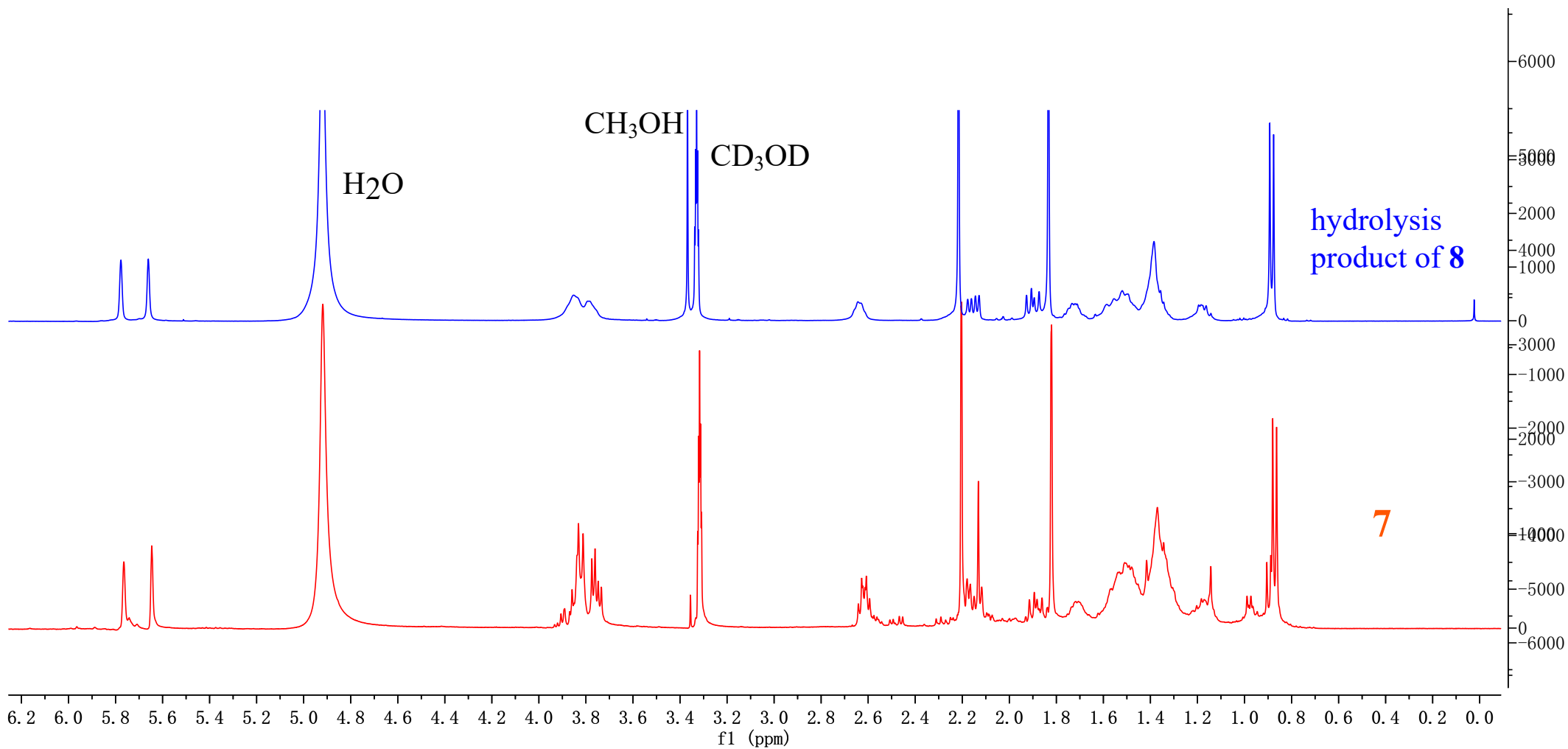


Figure S8-1 Comparison of ¹H NMR Spectra of **7** and hydrolysis product of **8** (CD₃OD, 400 MHz)

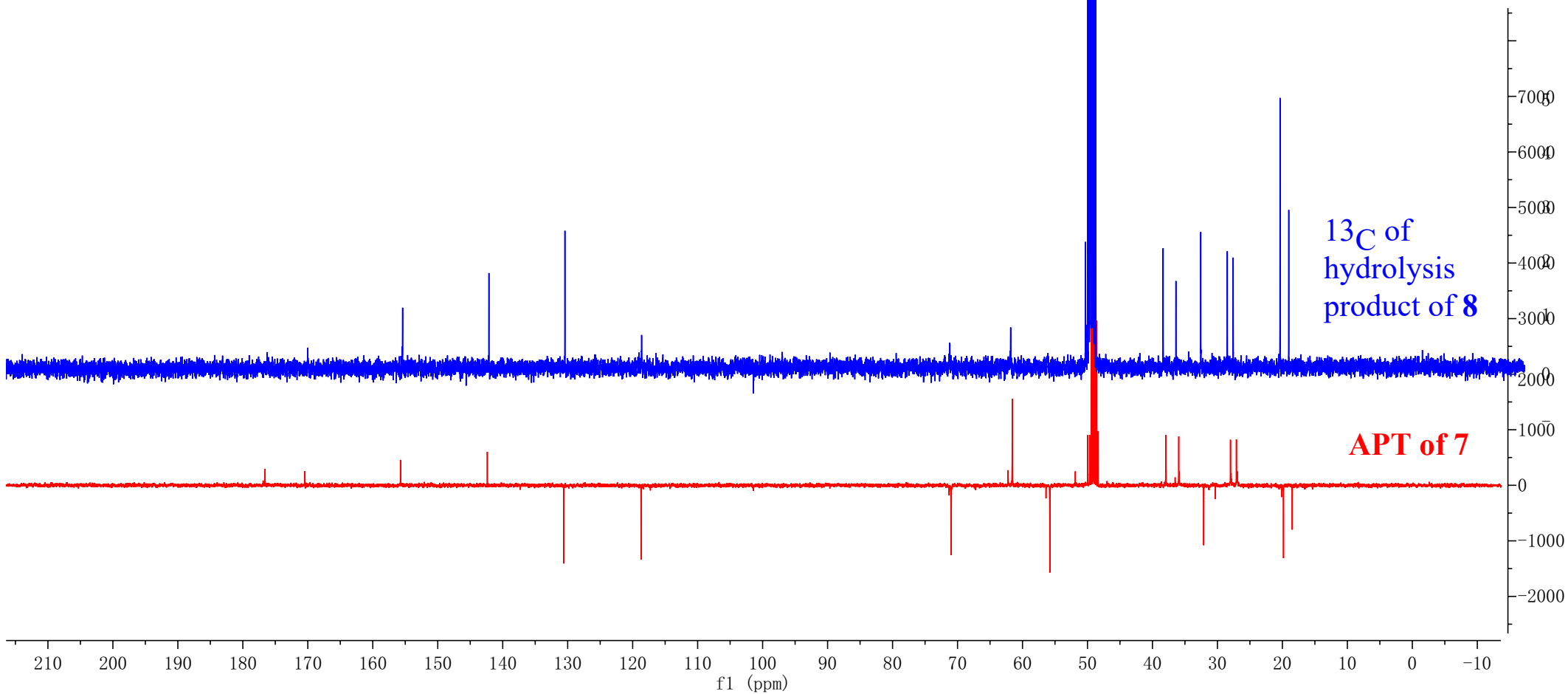
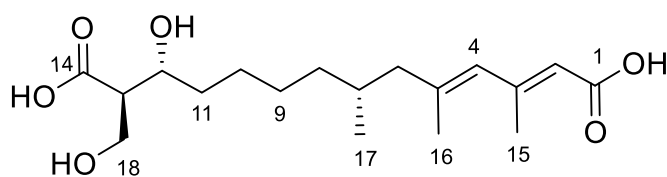


Figure 8-2 Comparison of ^{13}C NMR Spectra of **7** and hydrolysis product of **8** (CD_3OD , 100 MHz)

Table S1. ¹H (400 MHz) and ¹³C (100 MHz) NMR Data for 7 in CD₃OD**7/8a**

Position	δ_{H}	δ_{C}
1		170.4, C
2	5.65, br s	118.7, CH
3		155.7, C
4	5.76, br s	130.6, CH
5		142.4, C
6	2.14, m; 1.89, m	50.1, CH ₂
7	1.71, m	32.1, CH
8	1.35, m; 1.17, m	37.9, CH ₂
9	1.49, m; 1.37, m	27.1, CH ₂
10	1.37, m	28.0, CH ₂
11	1.52, m	35.9, CH ₂
12	3.83, m	71.0, CH
13	2.62, m	55.8, CH
14		176.6, C
15	2.20, d (0.9)	19.8, CH ₃
16	1.82, s	18.5, CH ₃
17	0.87, d (6.6)	19.8, CH ₃
18	3.84, overlapped 3.75, dd (10.8, 5.5)	61.6, CH ₂