

Two Novel Aspochalasins From the Gut Fungus *Aspergillus* sp. Z4

Xinyang Li ¹, Wanjing Ding ¹, Pinmei Wang ¹ and Jinzhong Xu ^{1,*}

¹ Institute of Marine Biology, Ocean College, Zhejiang University, Zhoushan 316021, China

* Correspondence: xujinzhong@zju.edu.cn; Tel.: +86 15858168018

Contents

Figure S1. The IR spectrum of compound 1	3
Figure S2. The HR-ESI-MS spectrum of compound 1	3
Figure S3. The HR-ESI-MS spectrum of compound 1 (expansion).....	4
Figure S4. The ¹ H-NMR spectrum of compound 1 in CDCl ₃	4
Figure S5. The ¹³ C-NMR spectrum of compound 1 in CDCl ₃	5
Figure S6. The DEPT spectrum of compound 1 in CDCl ₃	5
Figure S7. The HSQC spectrum of compound 1 in CDCl ₃	6
Figure S8. The ¹ H- ¹ H COSY spectrum of compound 1 in CDCl ₃	6
Figure S9. The HMBC spectrum of compound 1 in CDCl ₃	7
Figure S10. The NOESY spectrum of compound 1 in CDCl ₃	7
Figure S11. The ¹ H spectrum of compound 1a in pyridine- <i>d</i> ₅	8
Figure S12. The ¹ H spectrum of compound 1b in pyridine- <i>d</i> ₅	8
Figure S13. The IR spectrum of compound 2	9
Figure S14. The HR-ESI-MS spectrum of compound 2	9
Figure S15. The HR-ESI-MS spectrum of compound 2 (expansion).....	10
Figure S16. The ¹ H-NMR spectrum of compound 2 in CDCl ₃	10
Figure S17. The ¹³ C-NMR spectrum of compound 2 in CDCl ₃	11
Figure S18. The DEPT spectrum of compound 2 in CDCl ₃	11
Figure S19. The HSQC spectrum of compound 2 in CDCl ₃	12
Figure S20. The ¹ H- ¹ H COSY spectrum of compound 2 in CDCl ₃	12
Figure S21. The HMBC spectrum of compound 2 in CDCl ₃	13
Figure S22. The NOESY spectrum of compound 2 in CDCl ₃	13
Figure S23. The ¹ H spectrum of compound 2a in pyridine- <i>d</i> ₅	14
Figure S24. The ¹ H spectrum of compound 2b in pyridine- <i>d</i> ₅	14
Figure S25. The ¹ H-NMR spectrum of compound 3 in CDCl ₃	15
Figure S26. The ¹³ C-NMR spectrum of compound 3 in CDCl ₃	15
Figure S27. The ¹ H-NMR spectrum of compound 4 in CDCl ₃	16
Figure S28. The ¹³ C-NMR spectrum of compound 4 in CDCl ₃	16
Figure S29. The ¹ H-NMR spectrum of compound 5 in CDCl ₃	17
Figure S30. The ¹³ C-NMR spectrum of compound 5 in CDCl ₃	17

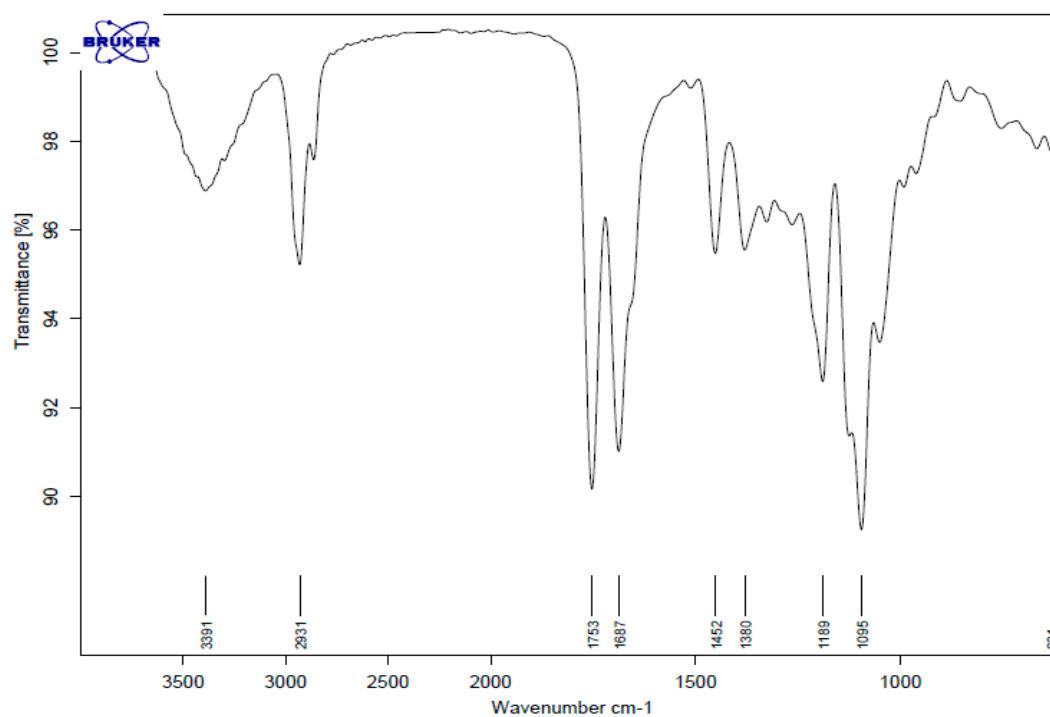


Figure S1. The IR spectrum of compound 1

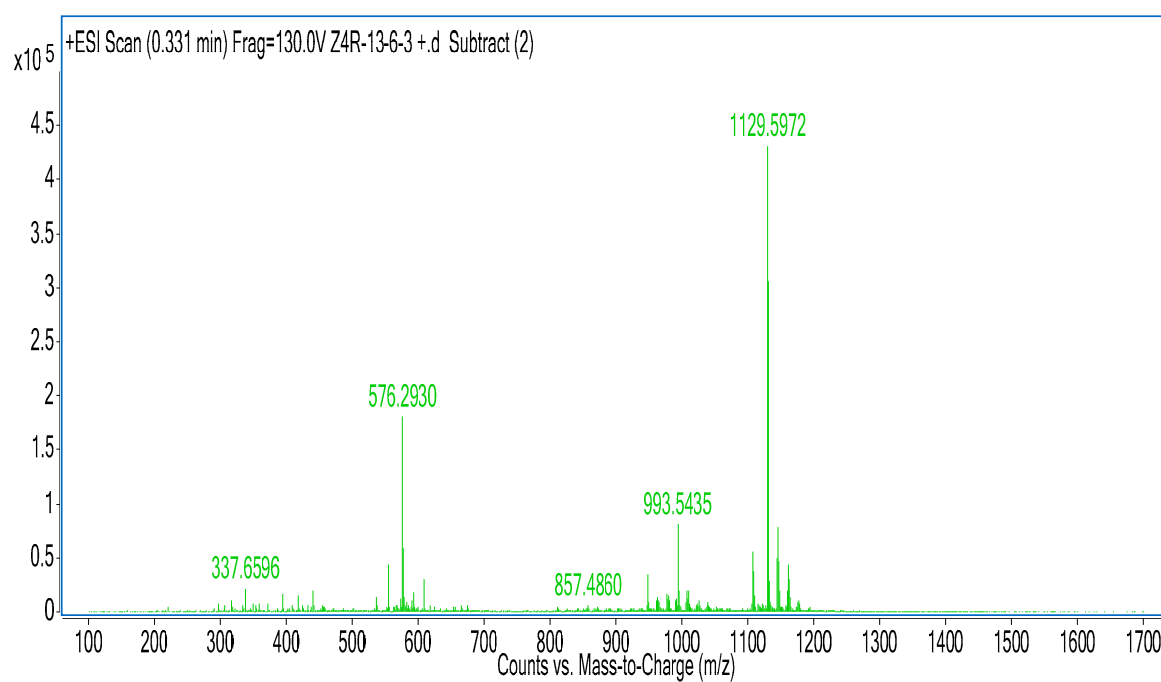


Figure S2. The HR-ESI-MS spectrum of compound 1

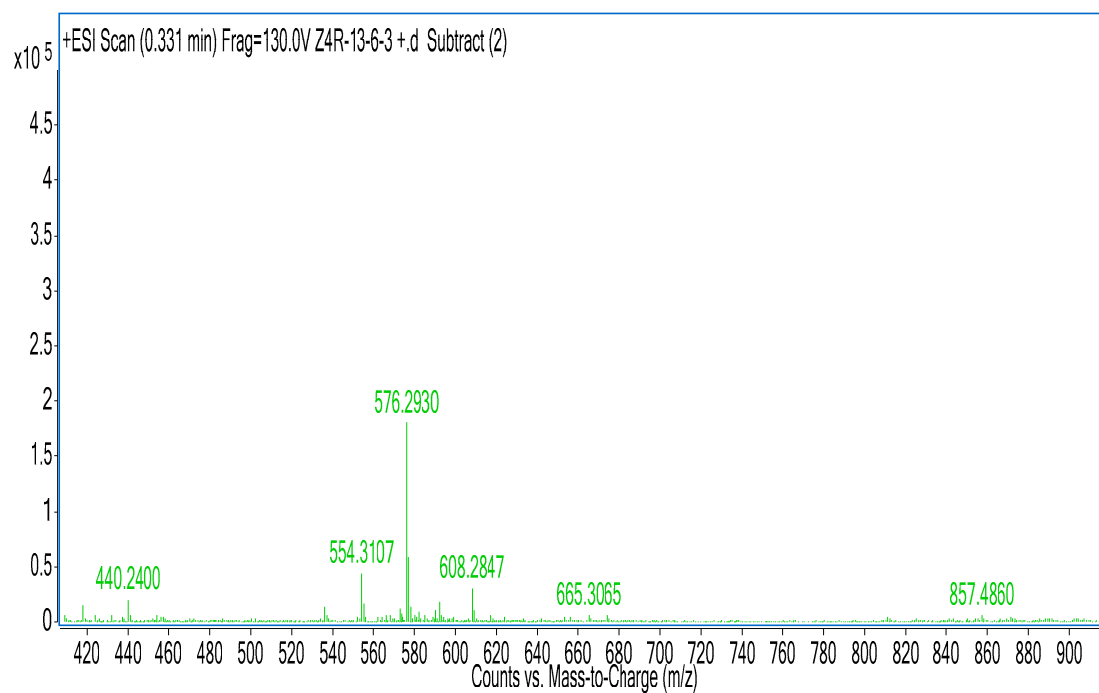


Figure S3. The HR-ESI-MS spectrum of compound 1 (expansion)

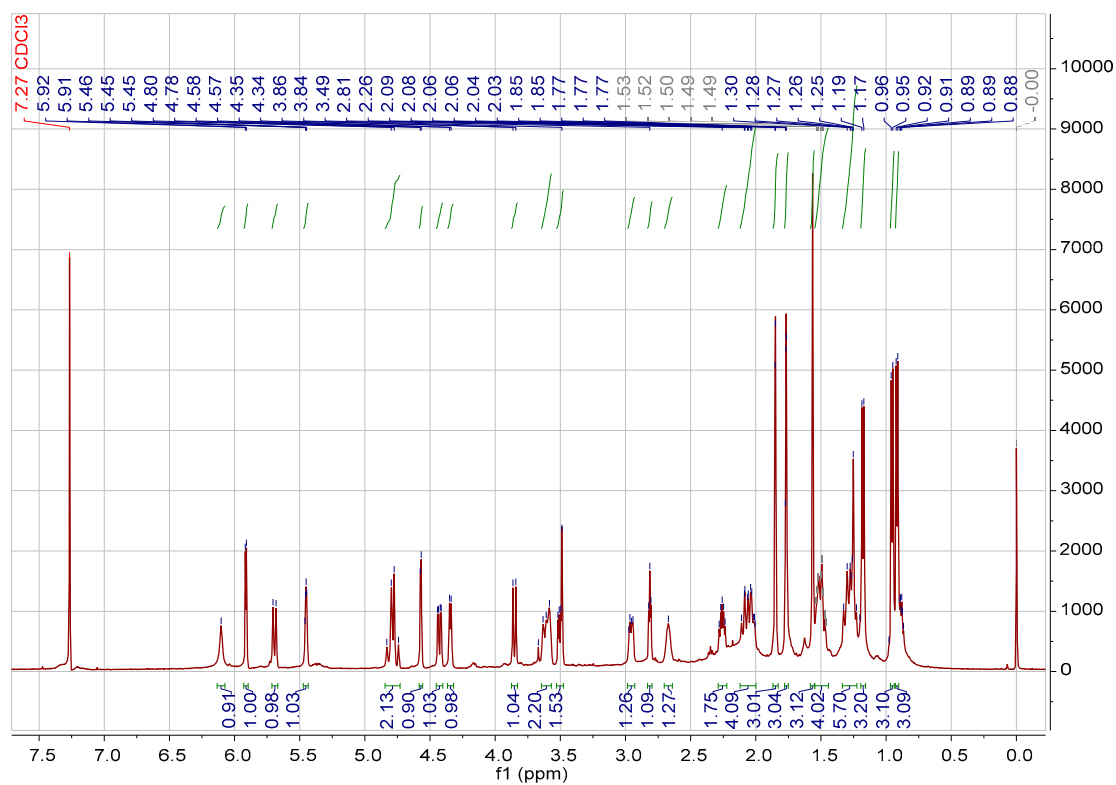


Figure S4. The ¹H-NMR spectrum of compound 1 in CDCl₃

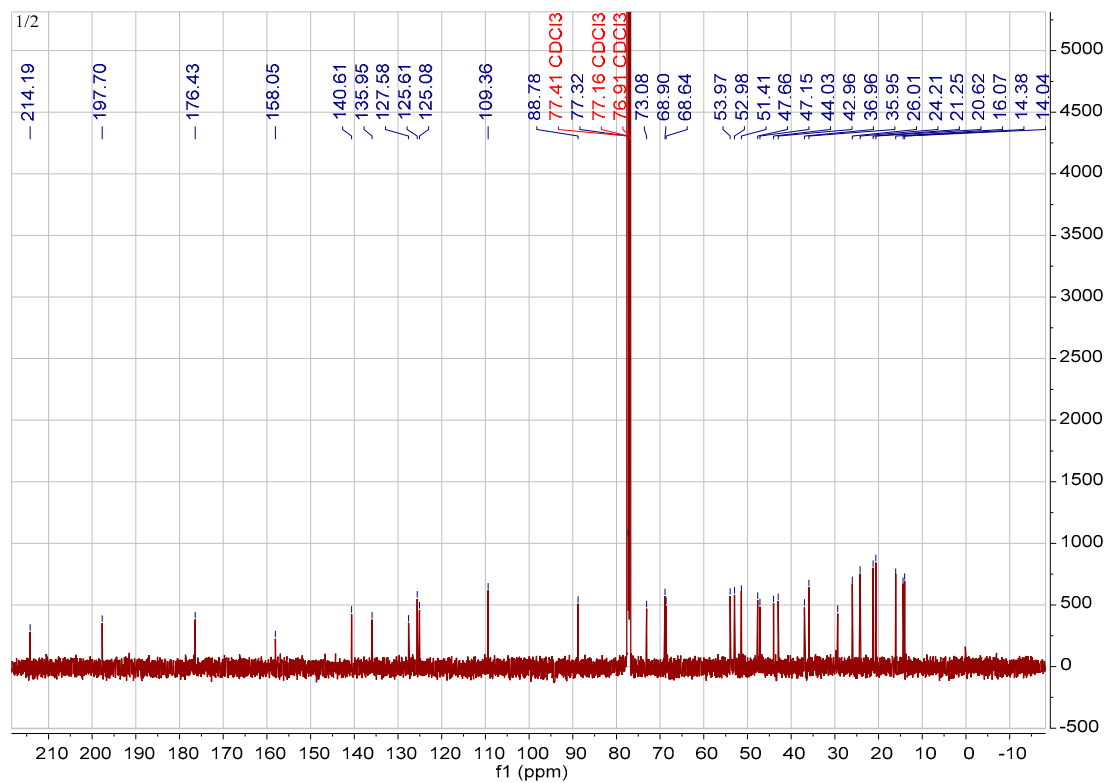


Figure S5. The ¹³C-NMR spectrum of compound 1 in CDCl₃

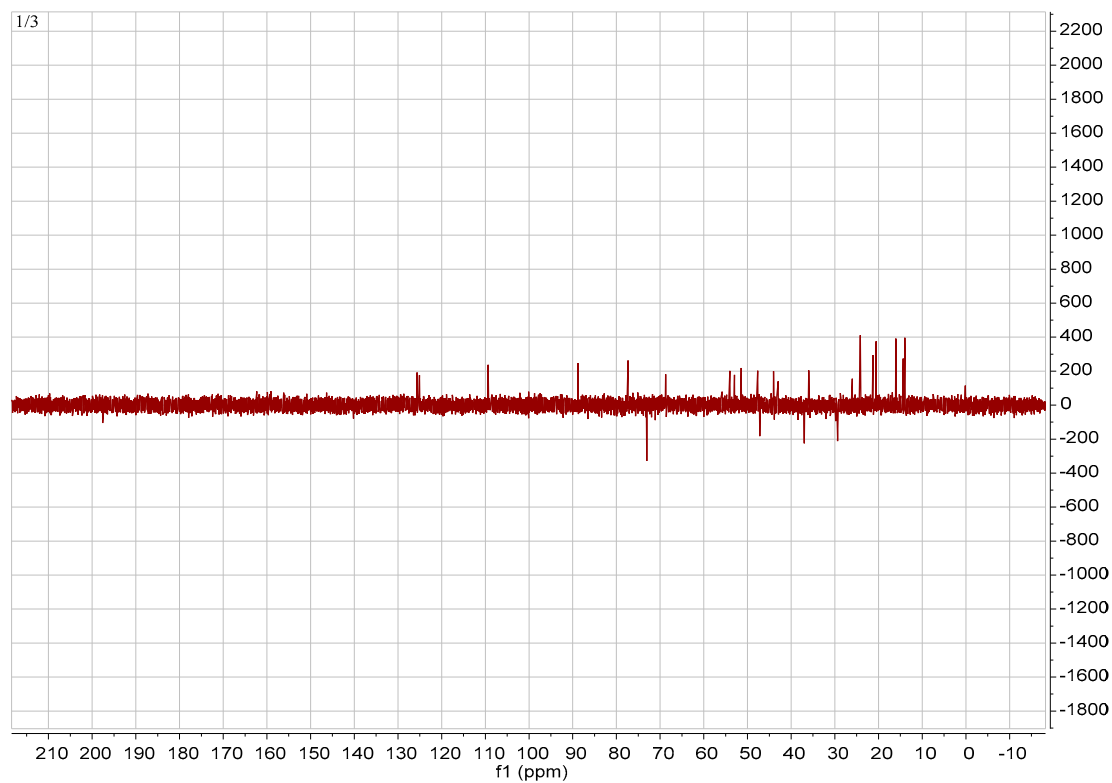


Figure S6. The DEPT spectrum of compound 1 in CDCl₃

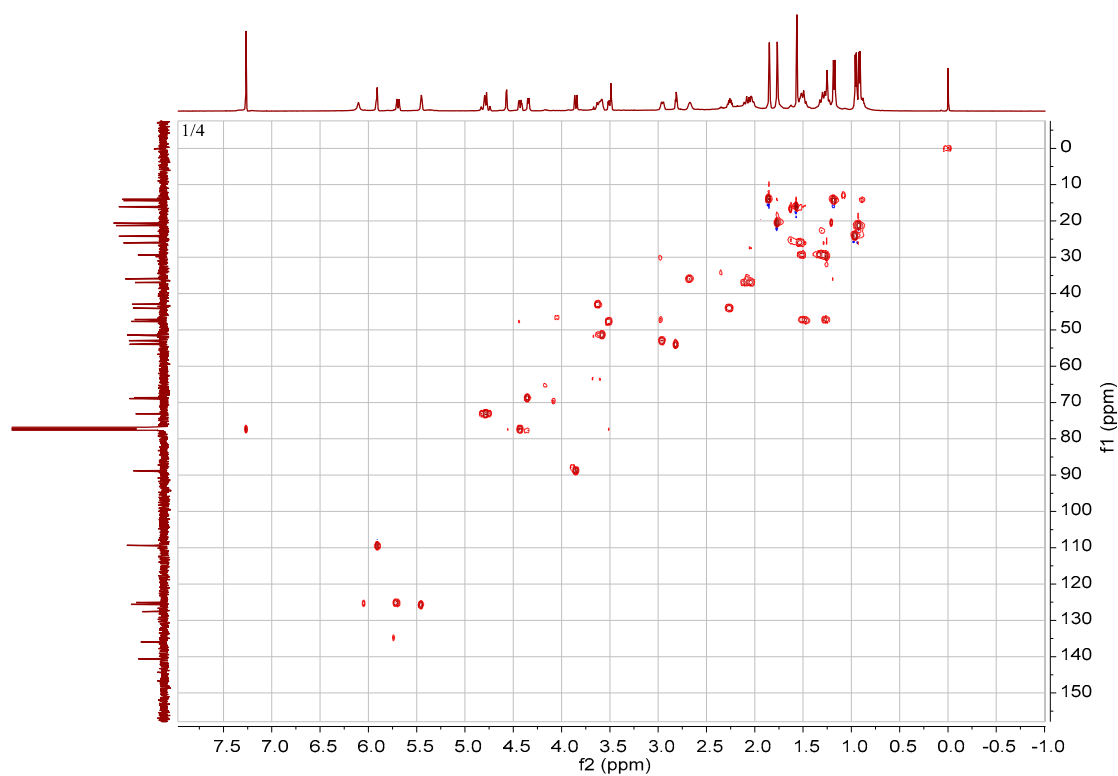


Figure S7. The HSQC spectrum of compound **1** in CDCl₃

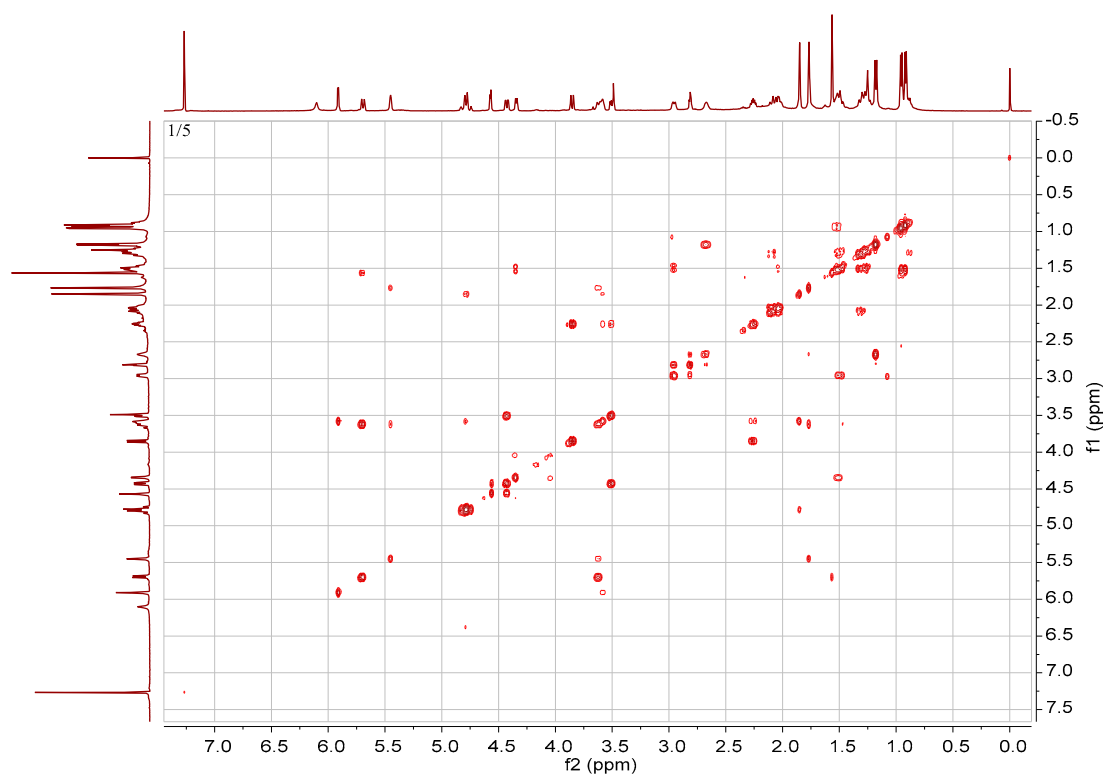


Figure S8. The ¹H-¹H COSY spectrum of compound **1** in CDCl₃

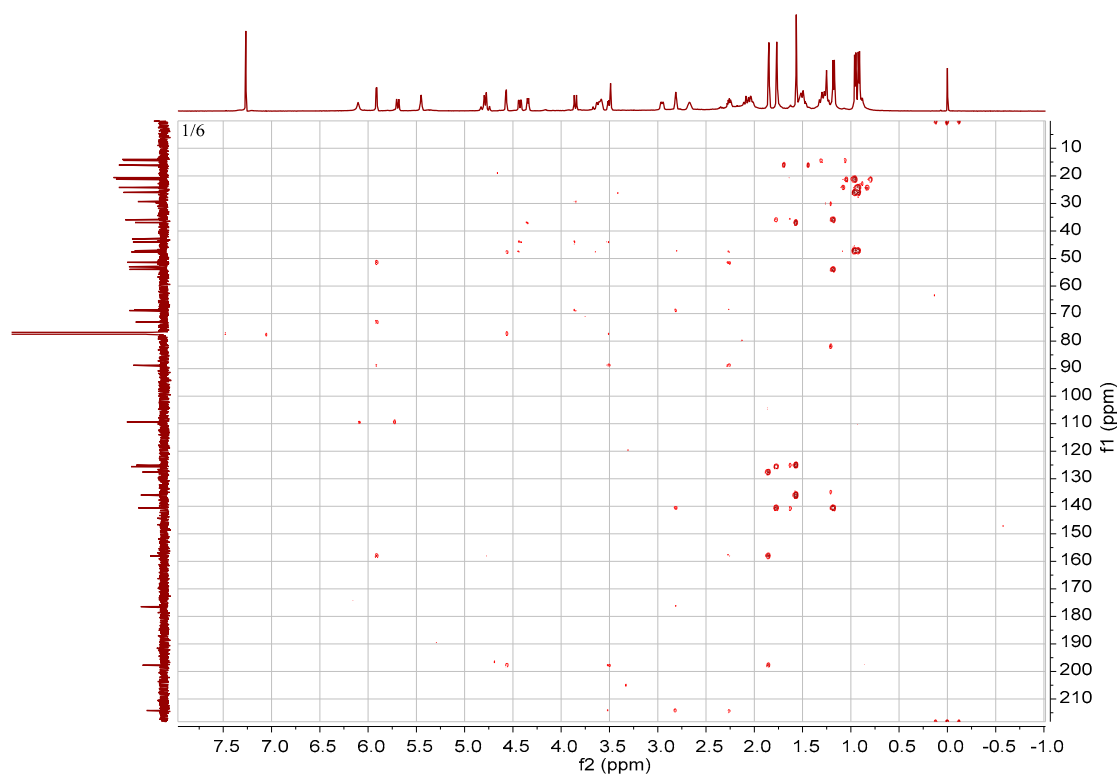


Figure S9. The HMBC spectrum of compound **1** in CDCl₃

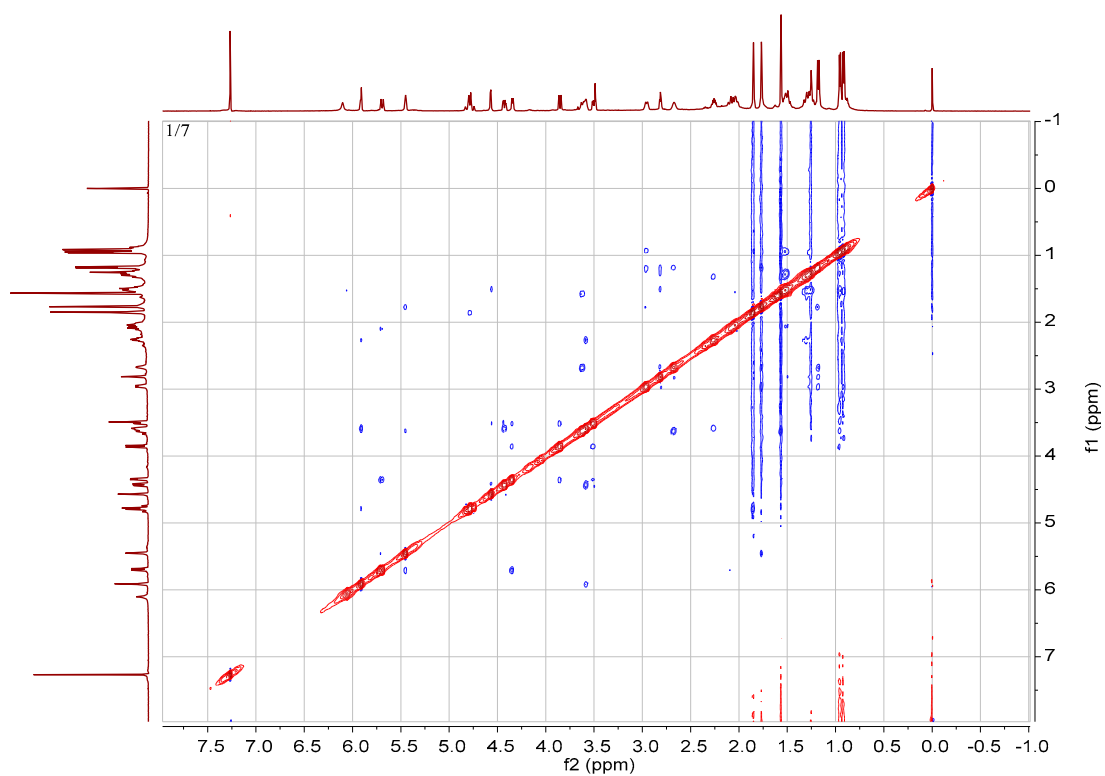


Figure S10. The NOESY spectrum of compound **1** in CDCl₃

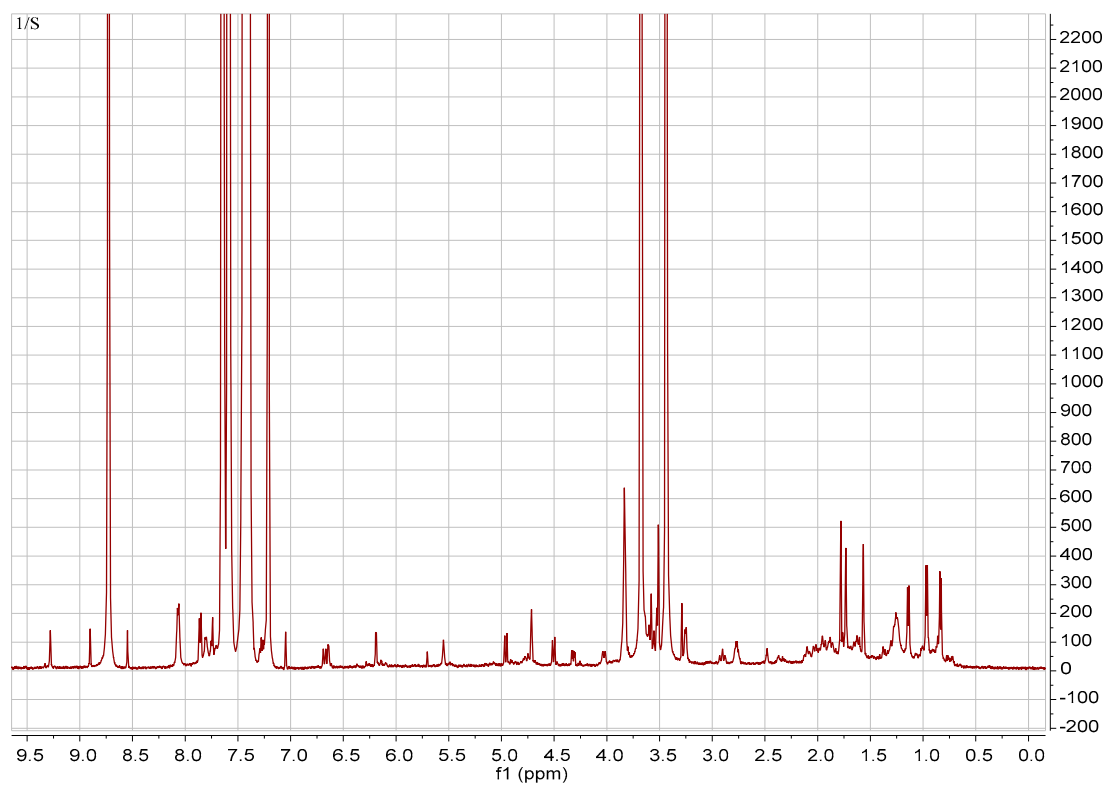


Figure S11. The ^1H spectrum of compound **1a** in $\text{pyridine-}d_5$

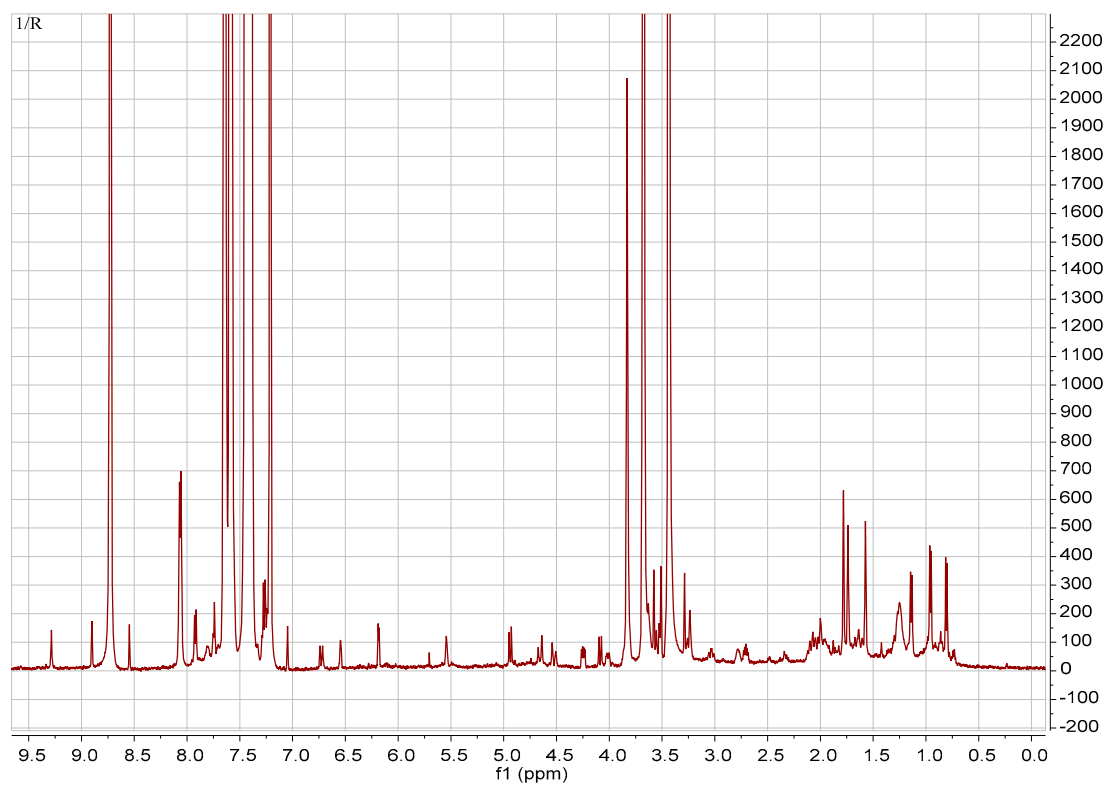


Figure S12. The ^1H spectrum of compound **1b** in $\text{pyridine-}d_5$

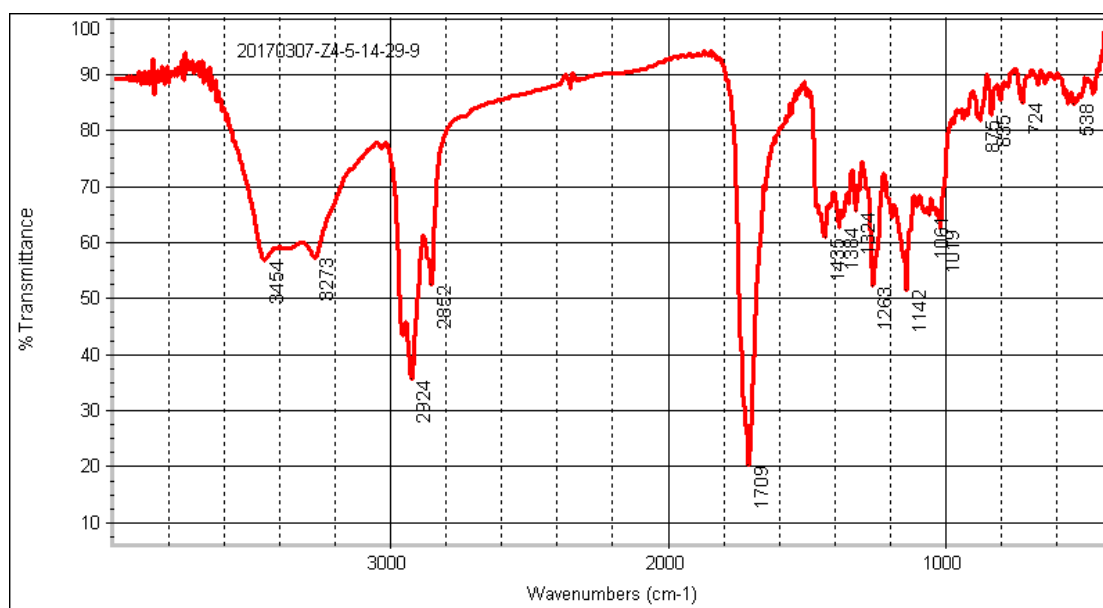


Figure S13. The IR spectrum of compound 2

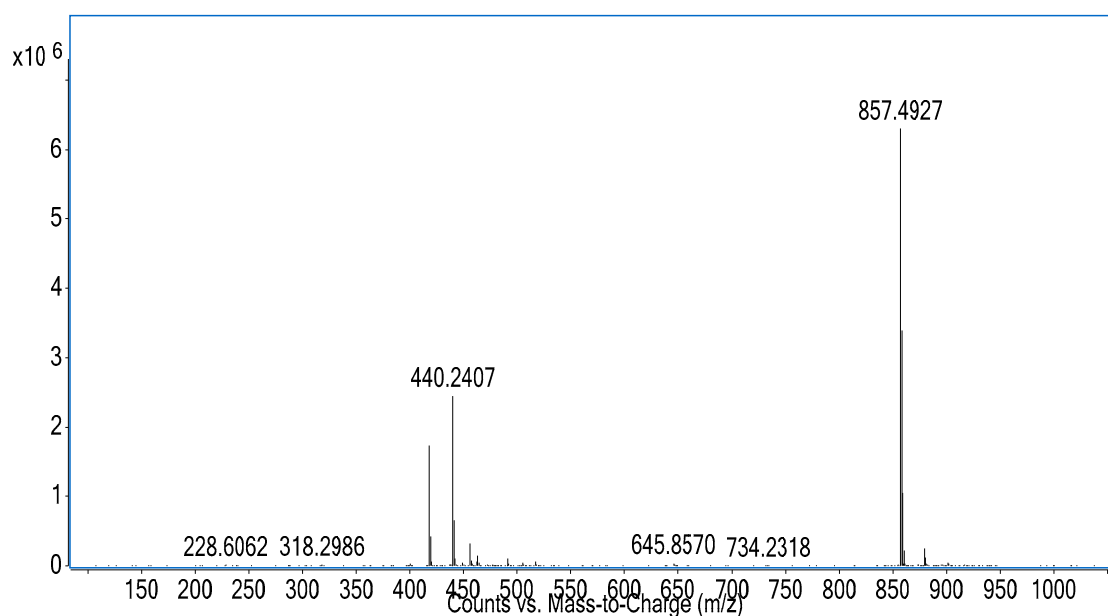


Figure S14. The HR-ESI-MS spectrum of compound 2

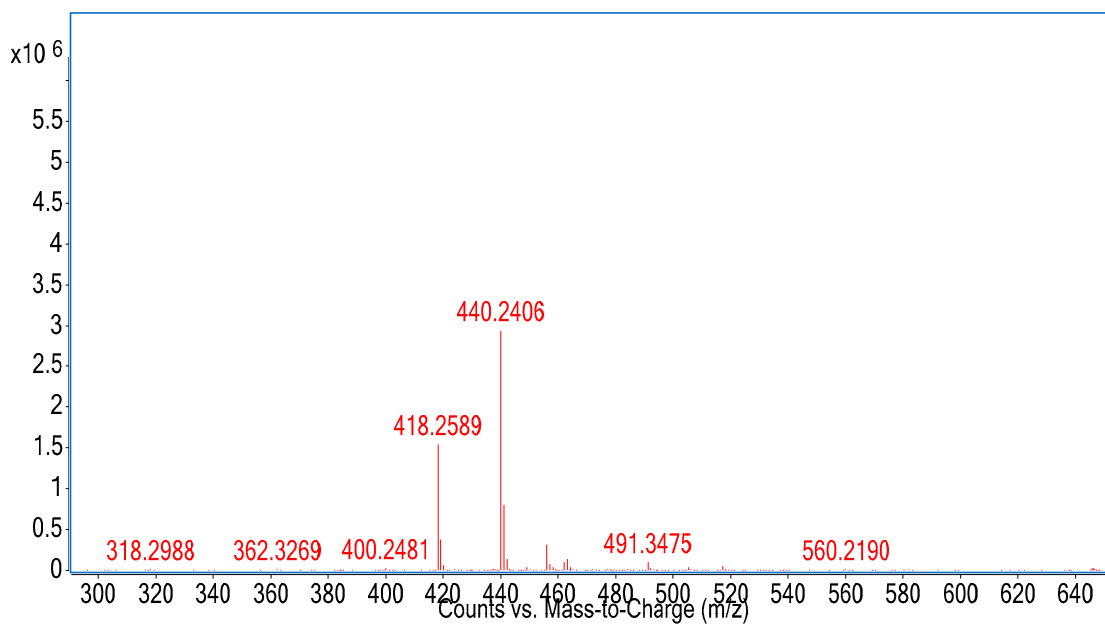


Figure S15. The HR-ESI-MS spectrum of compound 2 (expansion)

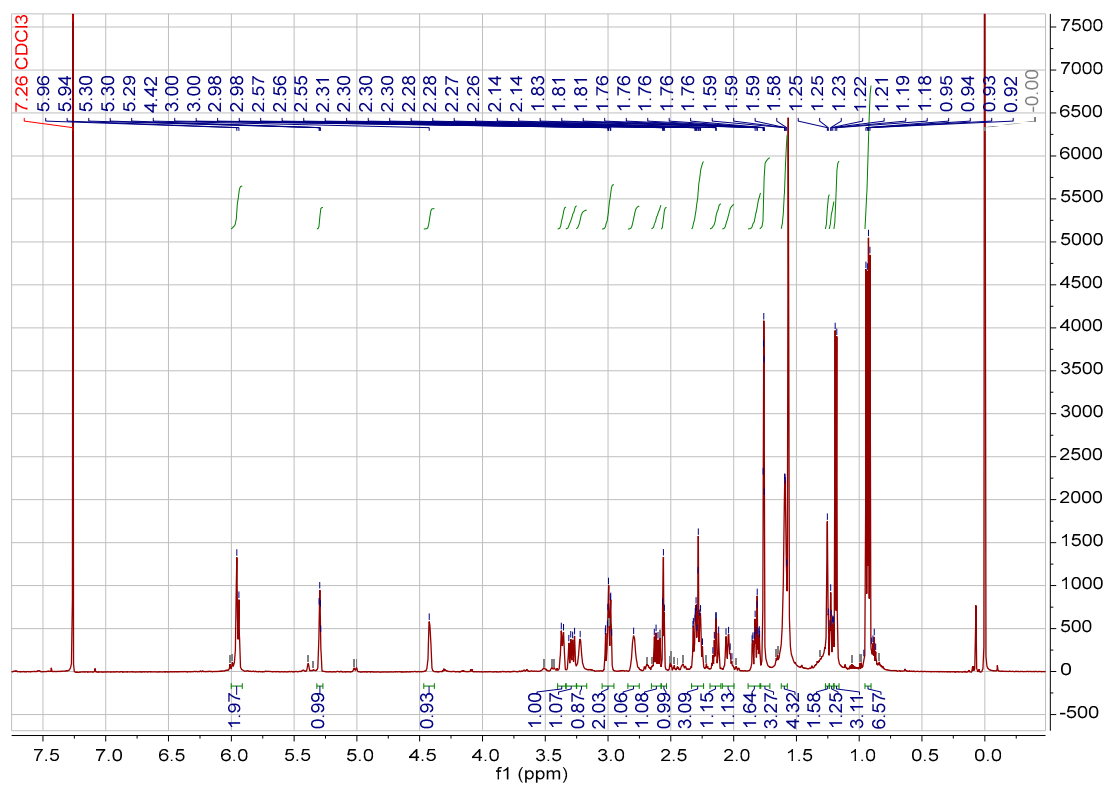


Figure S16. The ¹H-NMR spectrum of compound 2 in CDCl₃

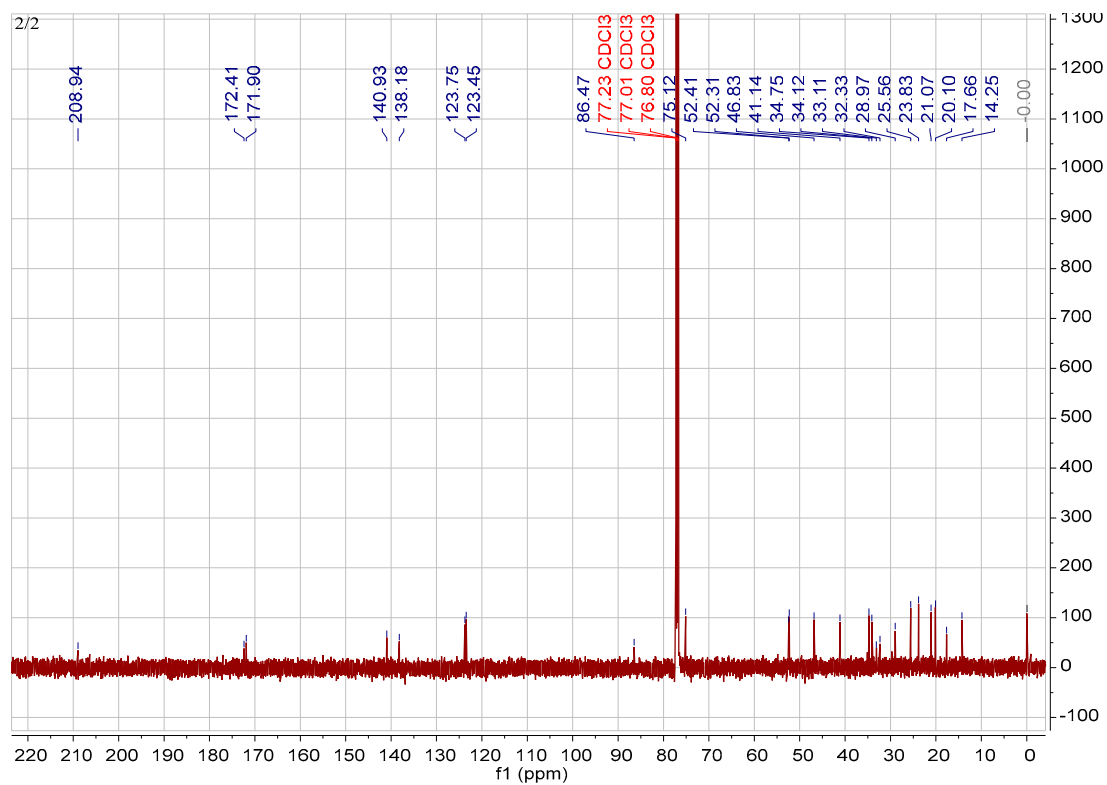


Figure S17. The ^{13}C -NMR spectrum of compound **2** in CDCl_3

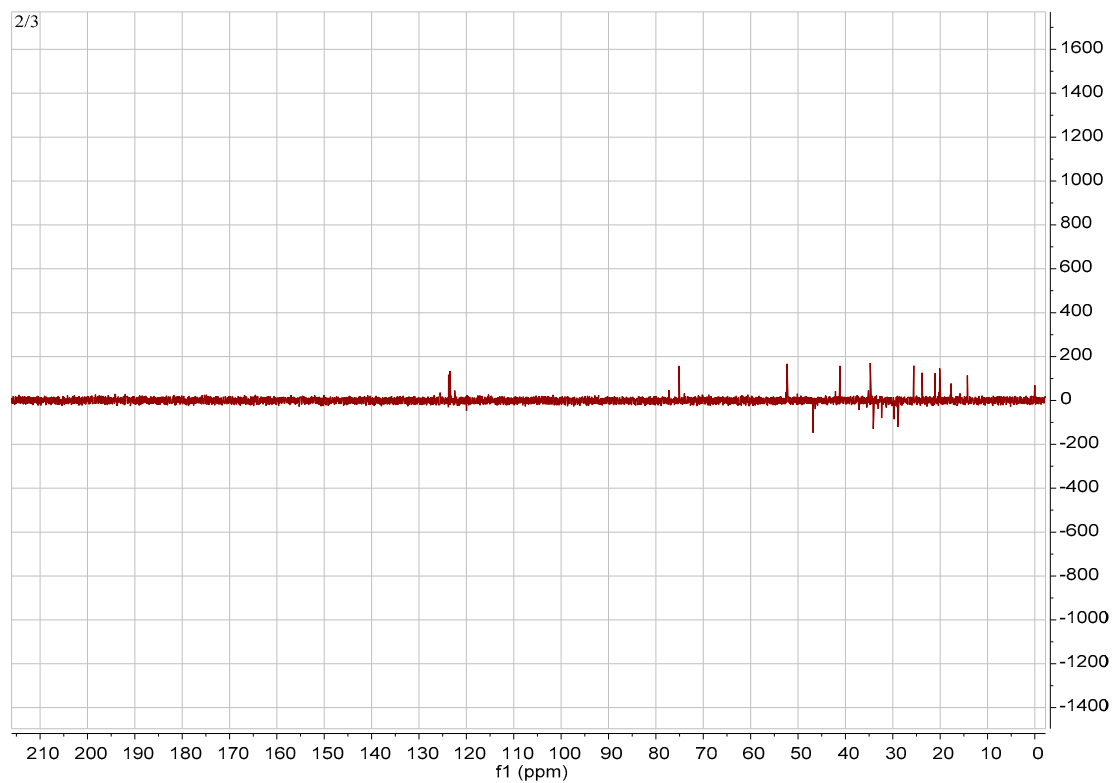


Figure S18. The DEPT spectrum of compound **2** in CDCl_3

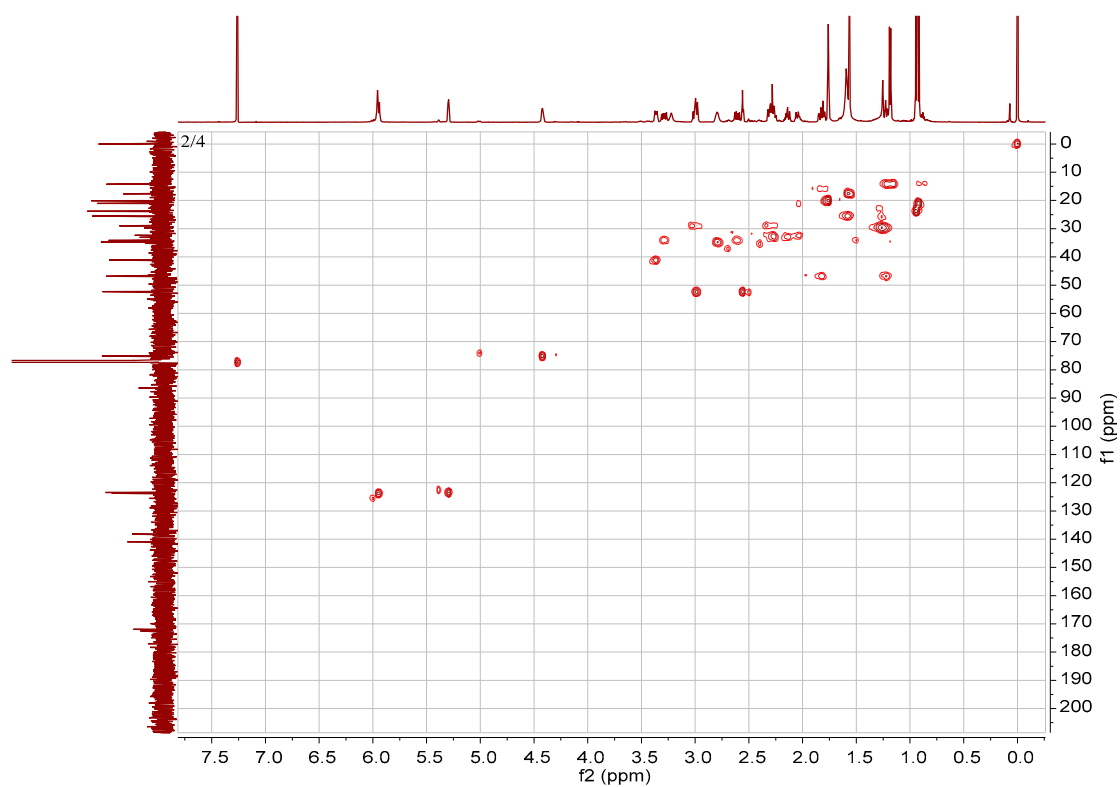


Figure S19. The HSQC spectrum of compound **2** in CDCl₃

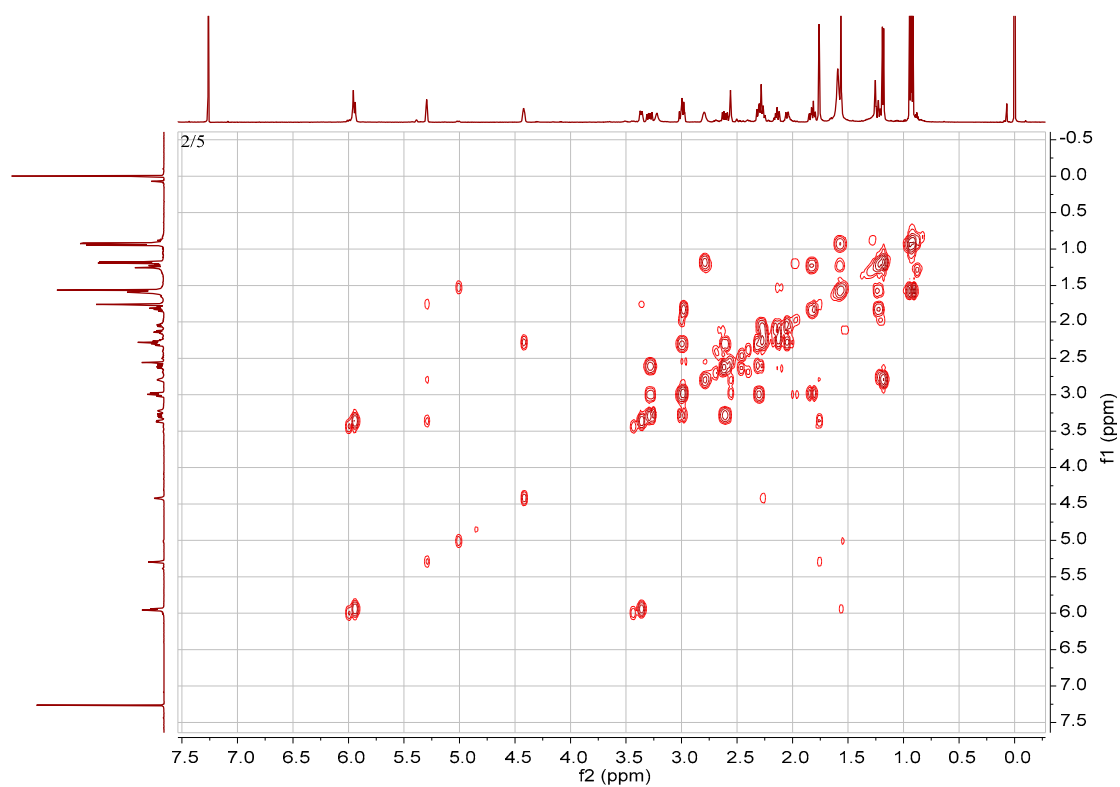


Figure S20. The ¹H-¹H COSY spectrum of compound **2** in CDCl₃

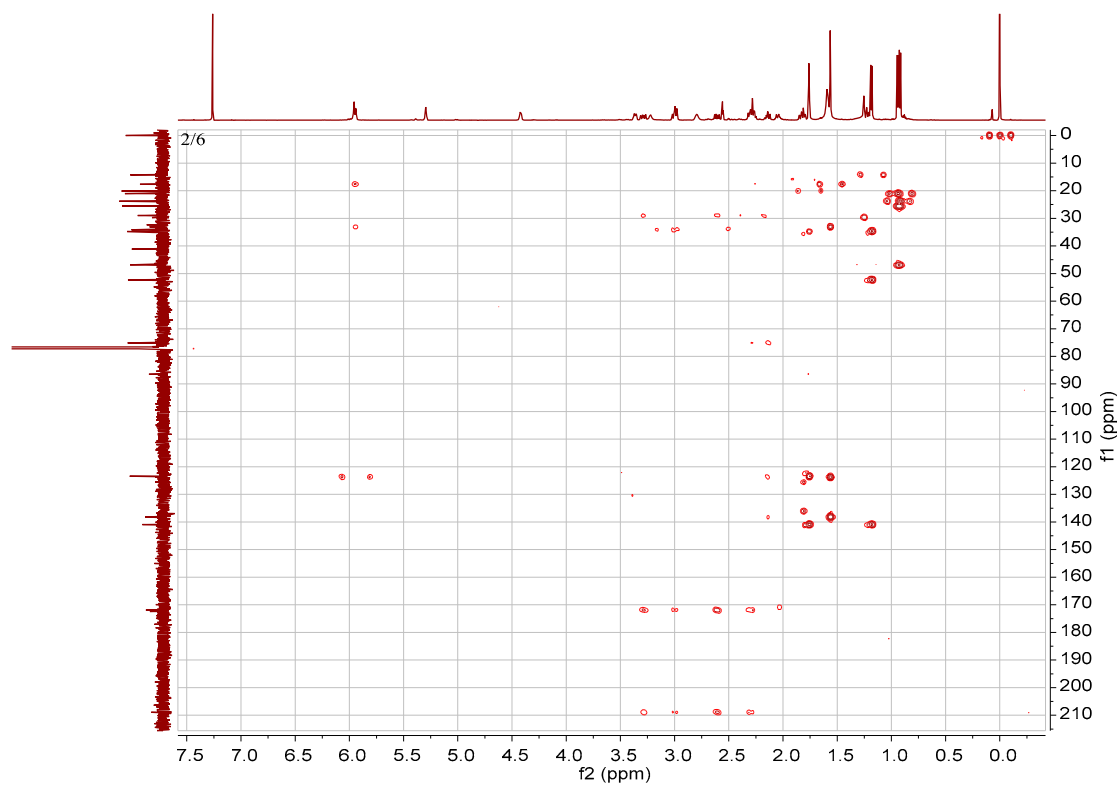


Figure S21. The HMBC spectrum of compound 2 in CDCl₃

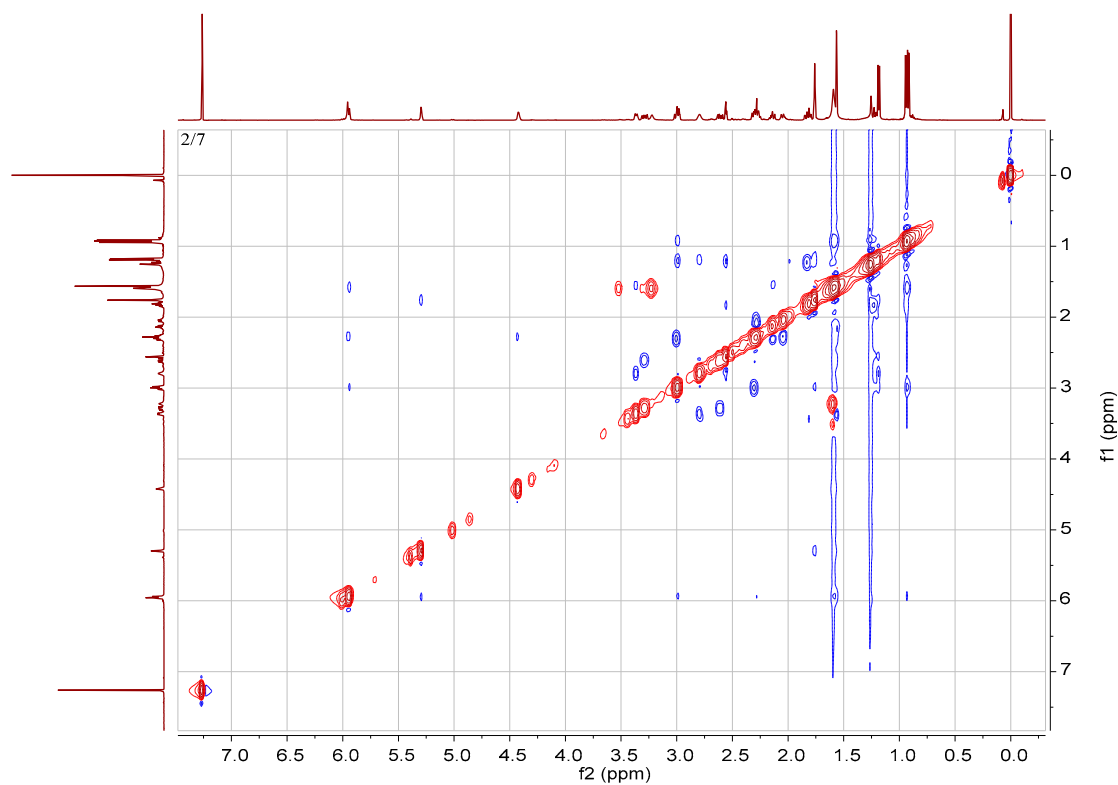


Figure S22. The NOESY spectrum of compound 2 in CDCl₃

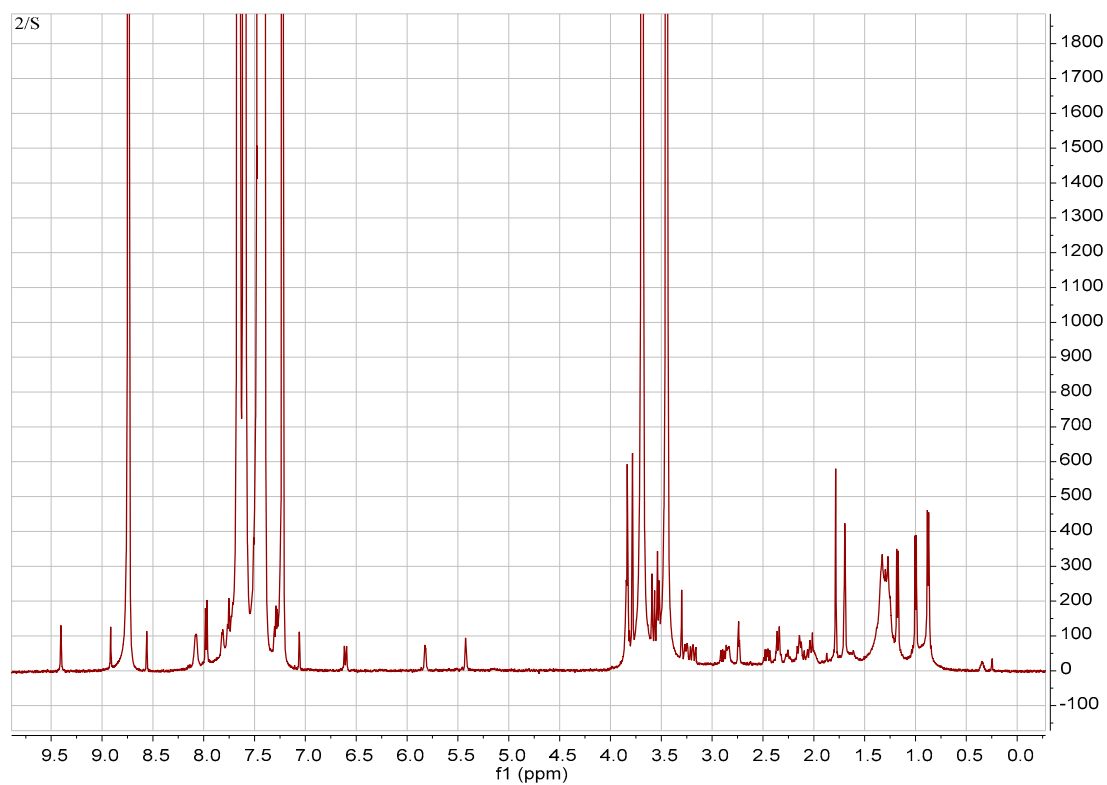


Figure S23. The ^1H spectrum of compound **2a** in pyridine- d_5

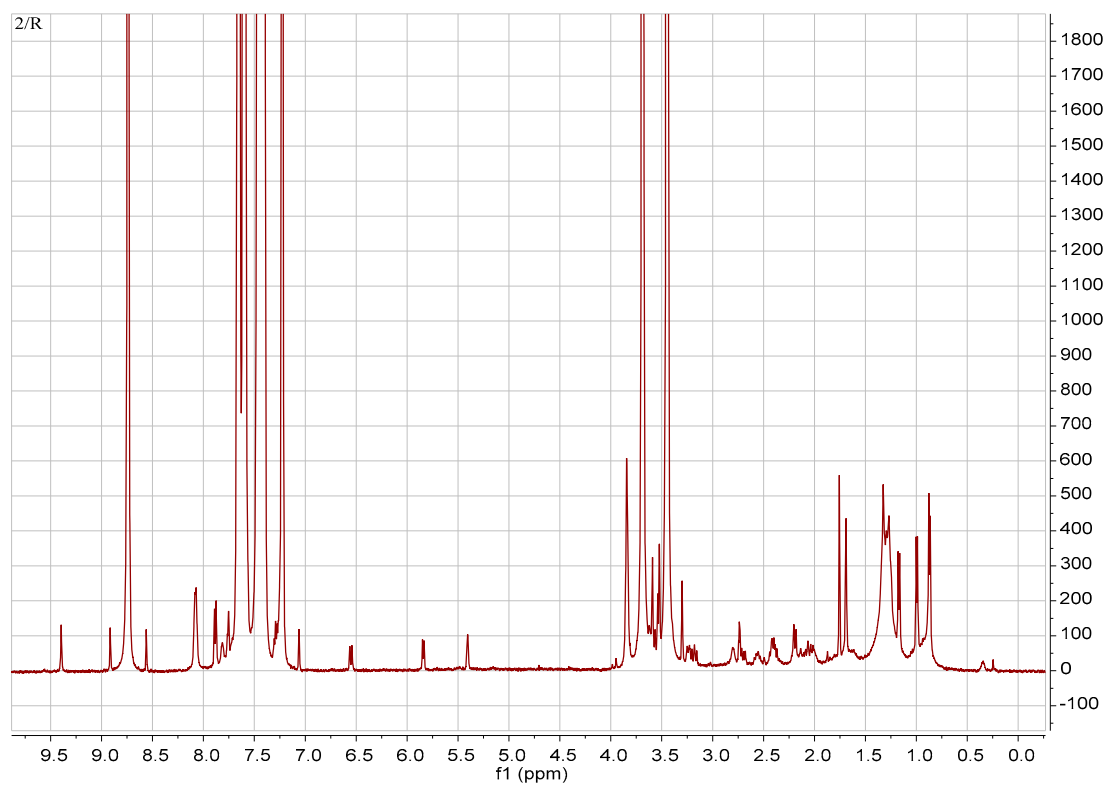


Figure S24. The ^1H spectrum of compound **2b** in pyridine- d_5

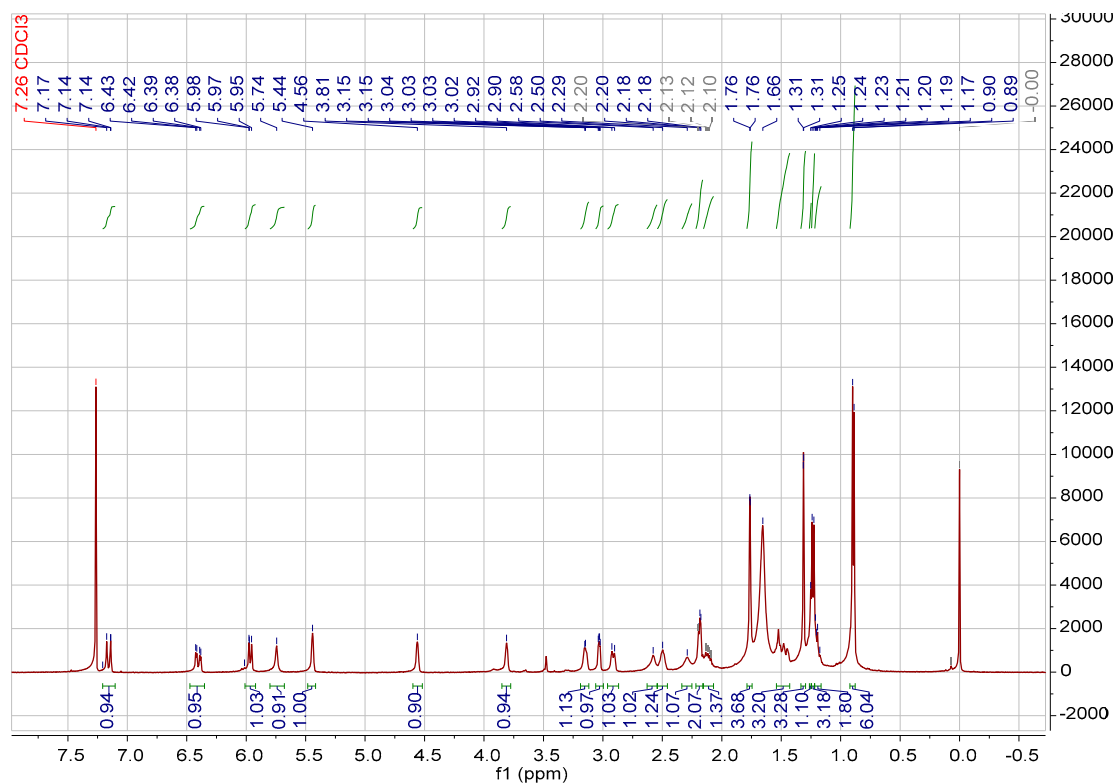


Figure S25. The ^1H -NMR spectrum of compound **3** in CDCl_3

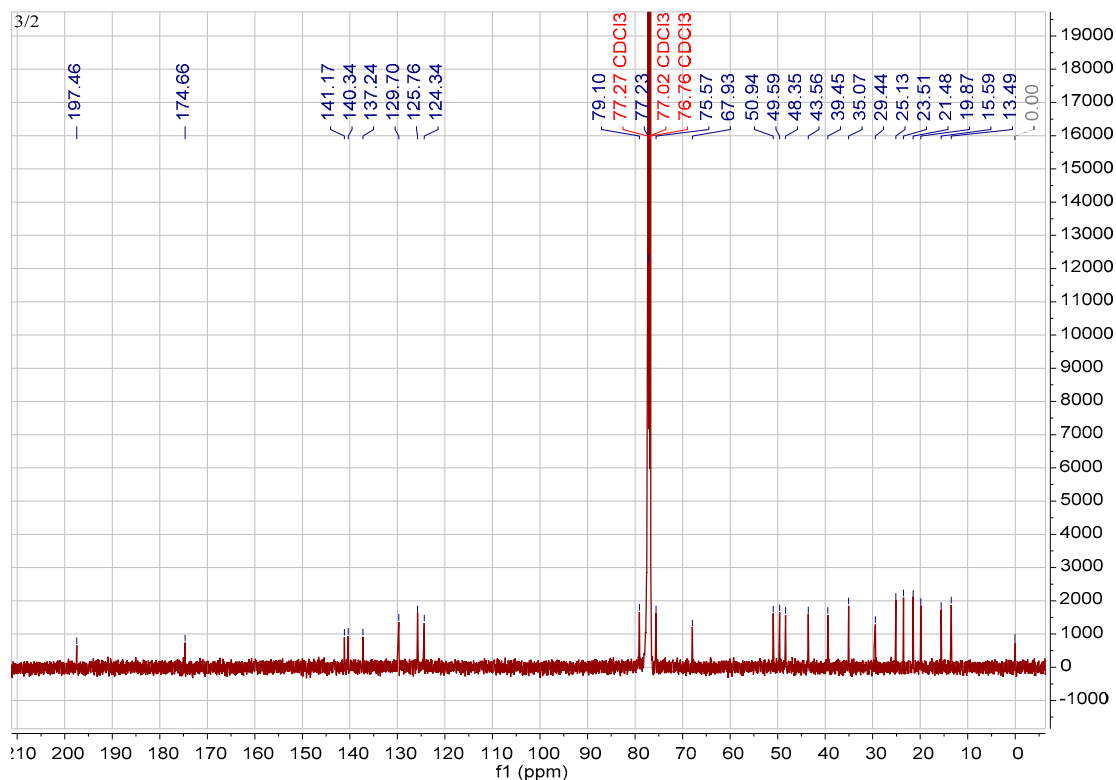


Figure S26. The ^{13}C -NMR spectrum of compound **3** in CDCl_3

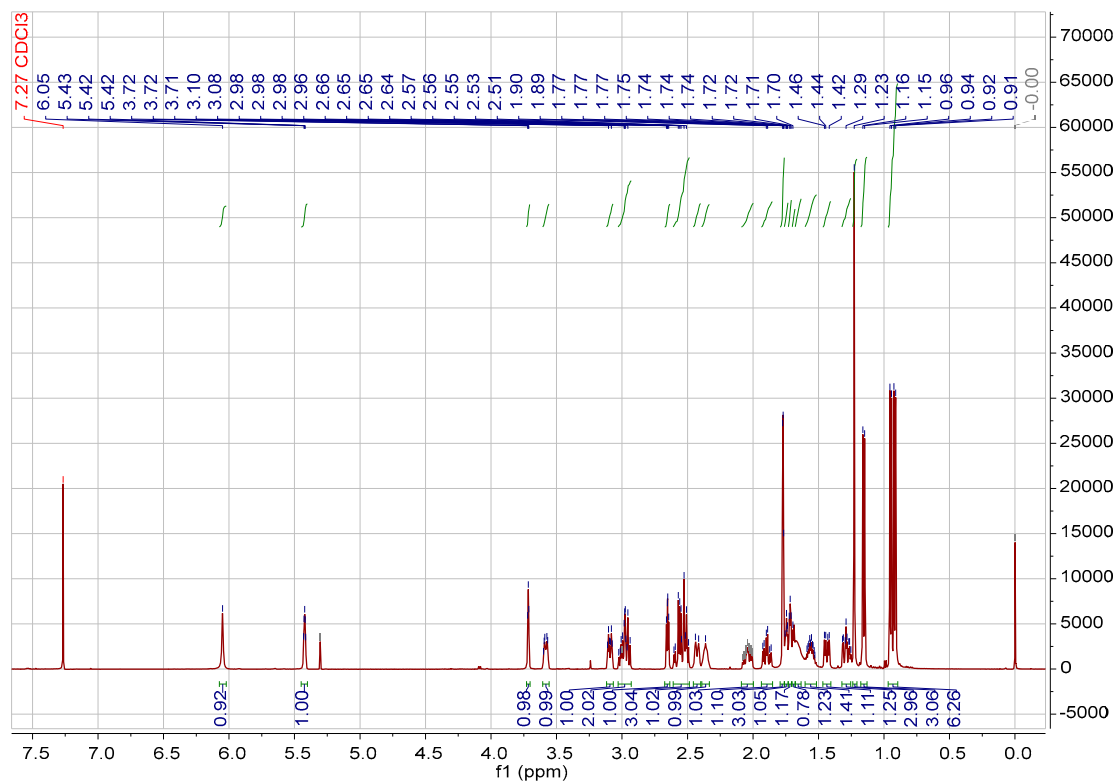


Figure S27. The ^1H -NMR spectrum of compound 4 in CDCl_3

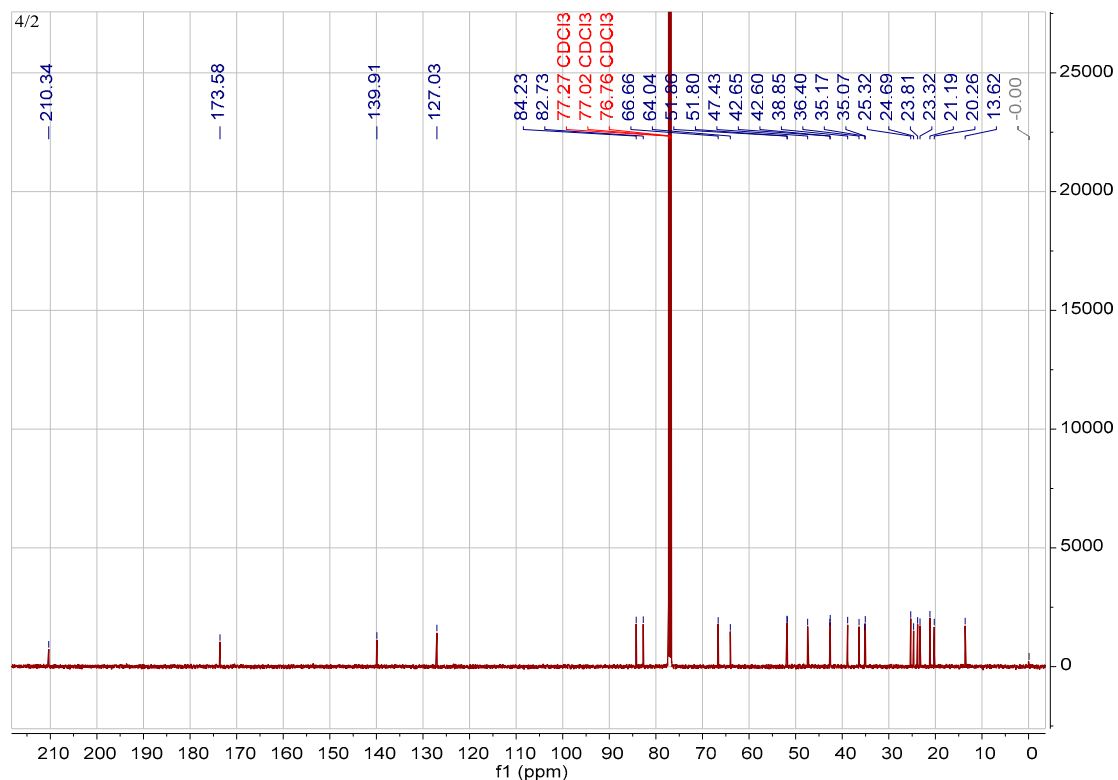


Figure S28. The ^{13}C -NMR spectrum of compound 4 in CDCl_3

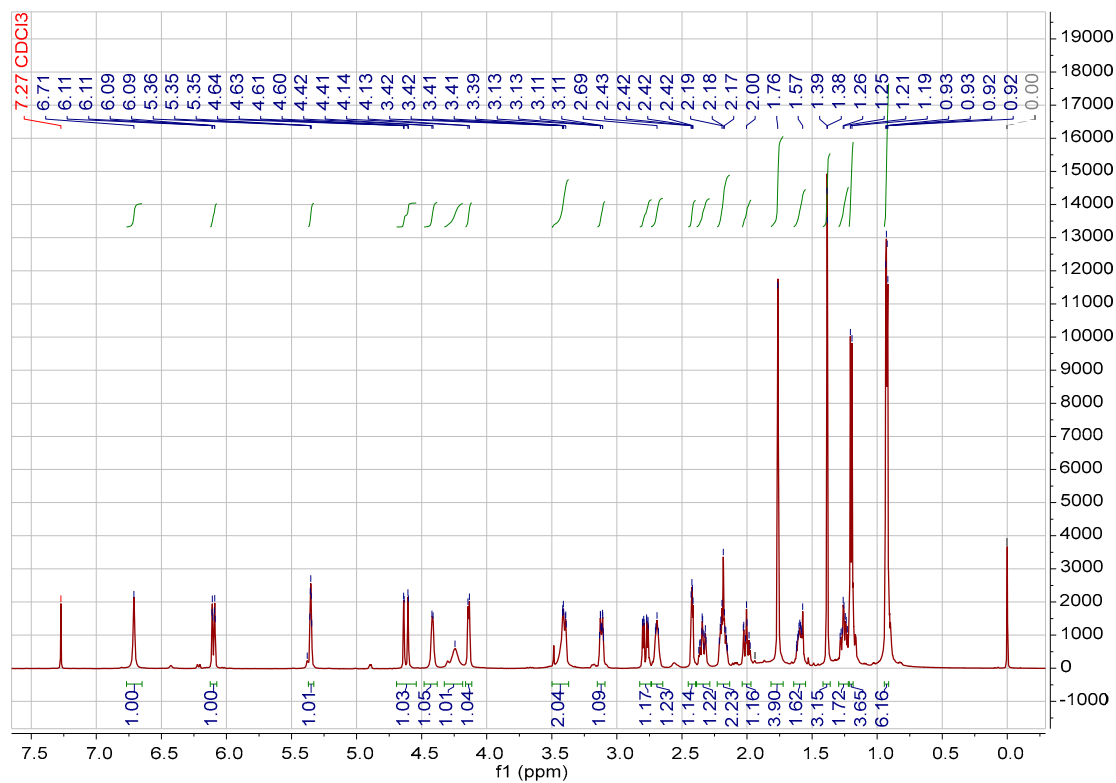


Figure S29. The $^1\text{H-NMR}$ spectrum of compound 5 in CDCl_3

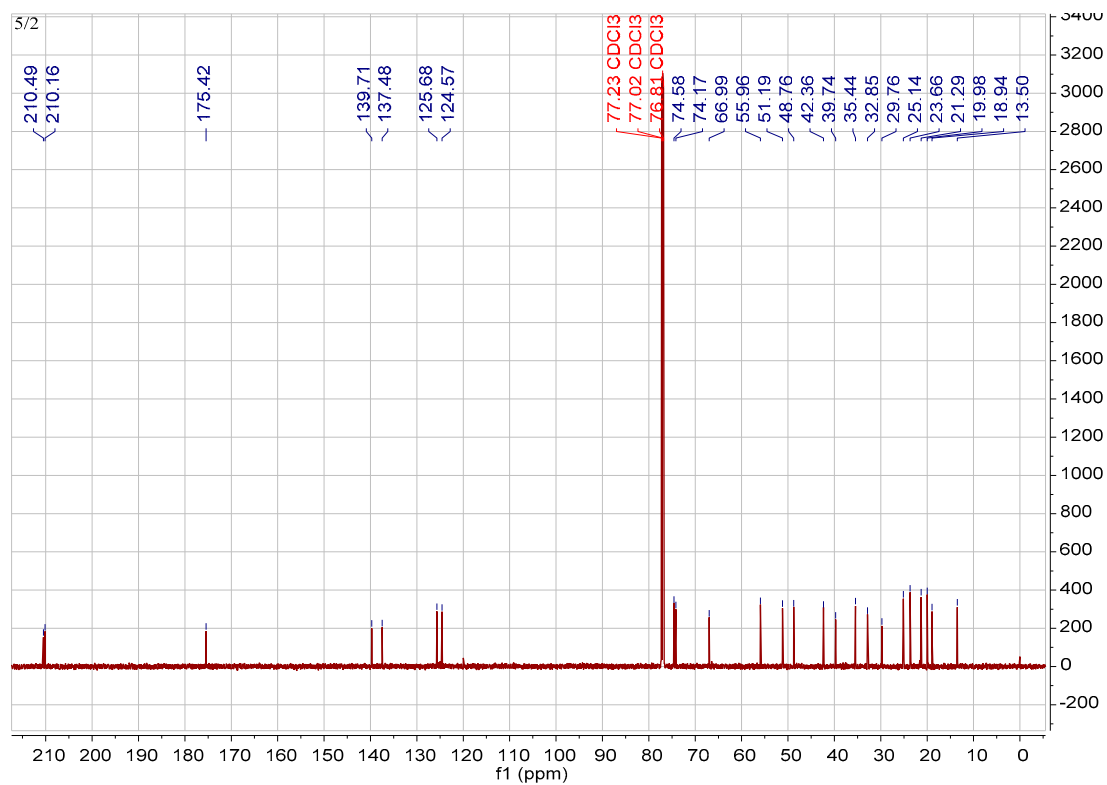


Figure S30. The $^{13}\text{C-NMR}$ spectrum of compound 5 in CDCl_3