

Supplementary Materials

Triterpenoids from the leaves of *Diospyros digyna* and their PTP1B inhibitory activity

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Content

| | |
|--|----|
| Figure S1. ^1H NMR spectrum of 1 (400 MHz, CD_3OD) | 4 |
| Figure S2. ^{13}C NMR spectrum of 1 (100 MHz, CD_3OD) | 4 |
| Figure S3. HSQC spectrum of 1 in CD_3OD | 5 |
| Figure S4. HMBC spectrum of 1 in CD_3OD | 5 |
| Figure S5. ^1H - ^1H COSY spectrum of 1 in CD_3OD | 6 |
| Figure S6. NOESY spectrum of 1 in CD_3OD | 6 |
| Figure S7. (+)-HRESIMS spectrum of 1 | 7 |
| Figure S8. IR spectrum of 1 | 7 |
| Figure S9. UV spectrum of 1 | 7 |
| Figure S10. ^1H NMR spectrum of 2 (400 MHz, CD_3OD) | 8 |
| Figure S11. ^{13}C NMR spectrum of 2 (100 MHz, CD_3OD) | 8 |
| Figure S12. HSQC spectrum of 2 in CD_3OD | 9 |
| Figure S13. HMBC spectrum of 2 in CD_3OD | 9 |
| Figure S14. ^1H - ^1H COSY spectrum of 2 in CD_3OD | 10 |
| Figure S15. NOESY spectrum of 2 in CD_3OD | 10 |
| Figure S16. (+)-HRESIMS spectrum of 2 | 11 |
| Figure S17. IR spectrum of 2 | 11 |
| Figure S18. UV spectrum of 2 | 11 |
| Figure S19. ^1H NMR spectrum of 3 (400 MHz, $\text{C}_5\text{D}_5\text{N}$) | 12 |
| Figure S20. ^{13}C NMR spectrum of 3 (100 MHz, $\text{C}_5\text{D}_5\text{N}$) | 12 |
| Figure S21. HSQC spectrum of 3 in $\text{C}_5\text{D}_5\text{N}$ | 13 |
| Figure S22. HMBC spectrum of 3 in $\text{C}_5\text{D}_5\text{N}$ | 13 |
| Figure S23. ^1H - ^1H COSY spectrum of 3 in $\text{C}_5\text{D}_5\text{N}$ | 14 |
| Figure S24. NOESY spectrum of 3 in $\text{C}_5\text{D}_5\text{N}$ | 14 |
| Figure S25. (+)-HRESIMS spectrum of 3 | 15 |
| Figure S26. IR spectrum of 3 | 15 |
| Figure S27. UV spectrum of 3 | 15 |
| Figure S28. ^1H NMR spectrum of 4 (400 MHz, $\text{C}_5\text{D}_5\text{N}$) | 16 |
| Figure S29. ^{13}C NMR spectrum of 4 (100 MHz, $\text{C}_5\text{D}_5\text{N}$) | 16 |
| Figure S30. HSQC spectrum of 4 in $\text{C}_5\text{D}_5\text{N}$ | 17 |
| Figure S31. HMBC spectrum of 4 in $\text{C}_5\text{D}_5\text{N}$ | 17 |
| Figure S32. ^1H - ^1H COSY spectrum of 4 in $\text{C}_5\text{D}_5\text{N}$ | 18 |
| Figure S33. NOESY spectrum of 4 in $\text{C}_5\text{D}_5\text{N}$ | 18 |
| Figure S34. (+)-HRESIMS spectrum of 4 | 19 |
| Figure S35. IR spectrum of 4 | 19 |
| Figure S36. UV spectrum of 4 | 19 |
| Figure S37. ^1H NMR spectrum of 5 (400 MHz, $\text{C}_5\text{D}_5\text{N}$) | 20 |
| Figure S38. ^{13}C NMR spectrum of 5 (100 MHz, $\text{C}_5\text{D}_5\text{N}$) | 20 |
| Figure S39. HSQC spectrum of 5 in $\text{C}_5\text{D}_5\text{N}$ | 21 |
| Figure S40. HMBC spectrum of 5 in $\text{C}_5\text{D}_5\text{N}$ | 21 |
| Figure S41. ^1H - ^1H COSY spectrum of 5 in $\text{C}_5\text{D}_5\text{N}$ | 22 |
| Figure S42. NOESY spectrum of 5 in $\text{C}_5\text{D}_5\text{N}$ | 22 |
| Figure S43. (+)-HRESIMS spectrum of 5 | 23 |

| | |
|--|----|
| Figure S44. IR spectrum of 5 | 23 |
| Figure S45. UV spectrum of 5 | 23 |
| Figure S46. ^1H NMR spectrum of 6 (400 MHz, $\text{C}_5\text{D}_5\text{N}$) | 24 |
| Figure S47. ^{13}C NMR spectrum of 6 (100 MHz, $\text{C}_5\text{D}_5\text{N}$)..... | 24 |
| Figure S48. HSQC spectrum of 6 in $\text{C}_5\text{D}_5\text{N}$ | 25 |
| Figure S49. HMBC spectrum of 6 in $\text{C}_5\text{D}_5\text{N}$ | 25 |
| Figure S50. ^1H - ^1H COSY spectrum of 6 in $\text{C}_5\text{D}_5\text{N}$ | 26 |
| Figure S51. NOESY spectrum of 6 in $\text{C}_5\text{D}_5\text{N}$ | 26 |
| Figure S52. (+)-HRESIMS spectrum of 6 | 27 |
| Figure S53. IR spectrum of 6 | 27 |
| Figure S54. UV spectrum of 6 | 27 |

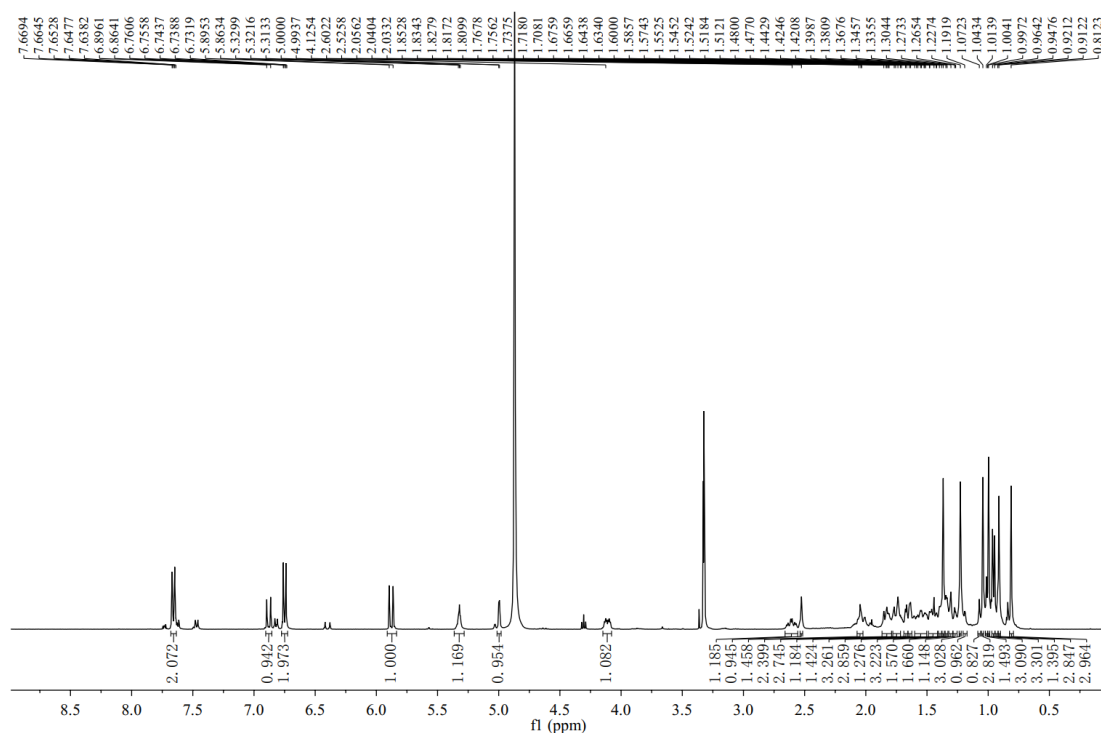


Figure S1. ^1H NMR spectrum of **1** (400 MHz, CD_3OD)

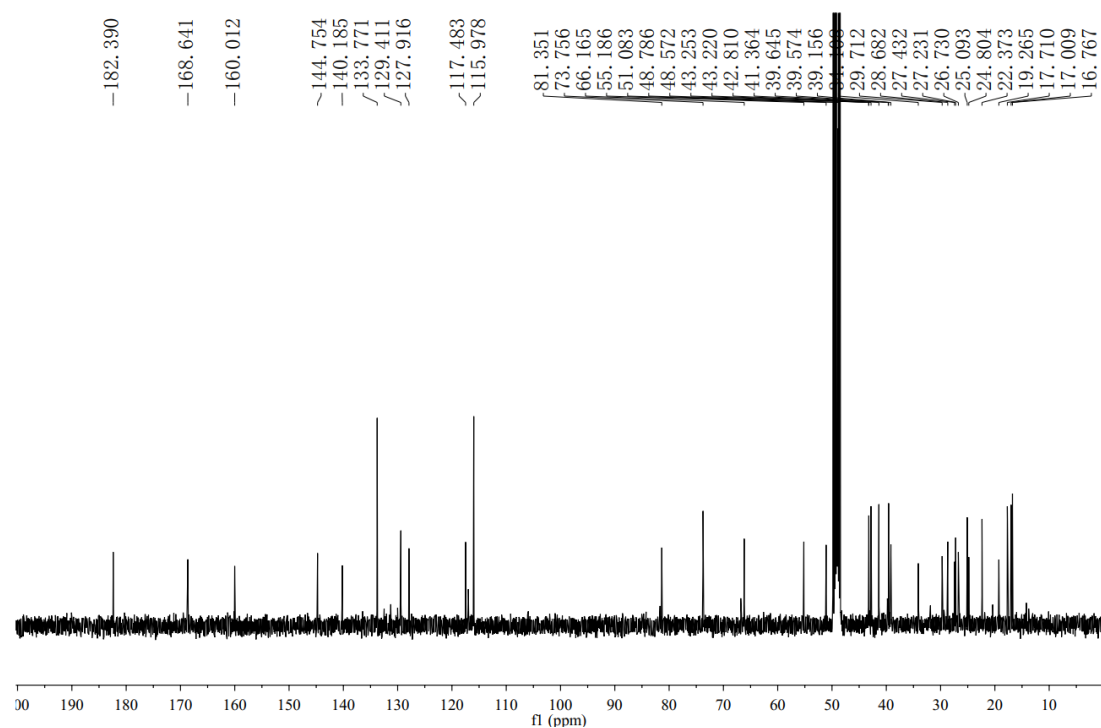


Figure S2. ^{13}C NMR spectrum of **1** (100 MHz, CD_3OD)

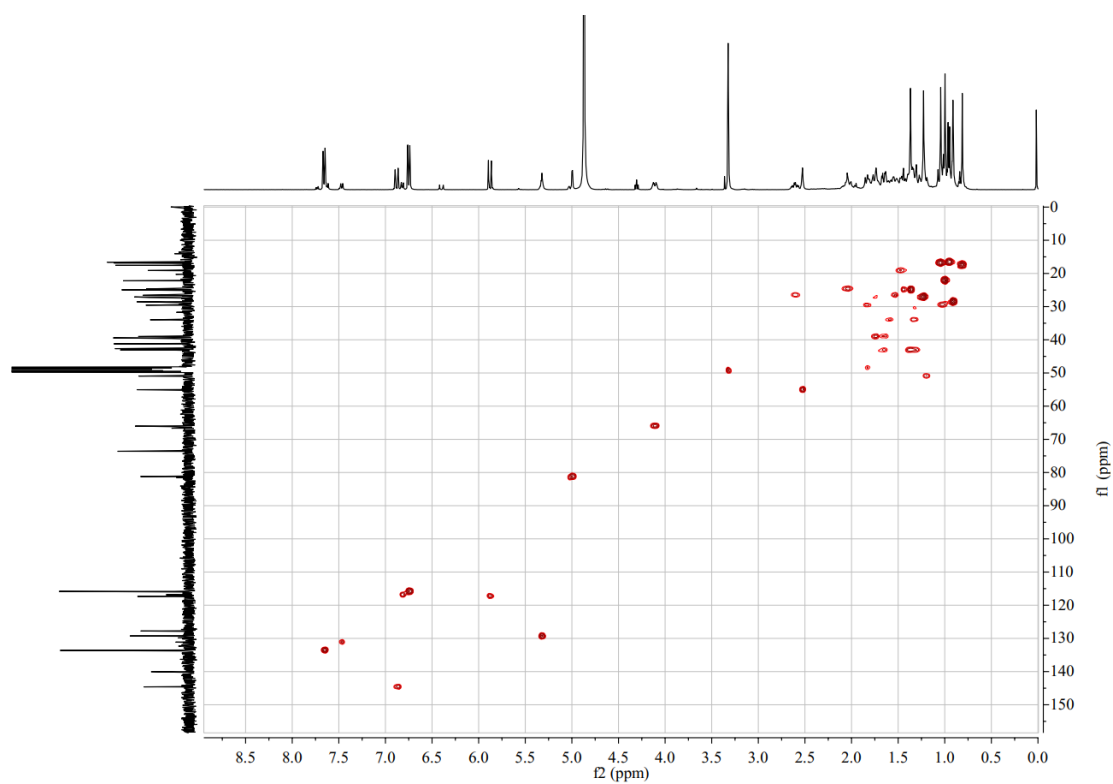


Figure S3. HSQC spectrum of 1 in CD₃OD

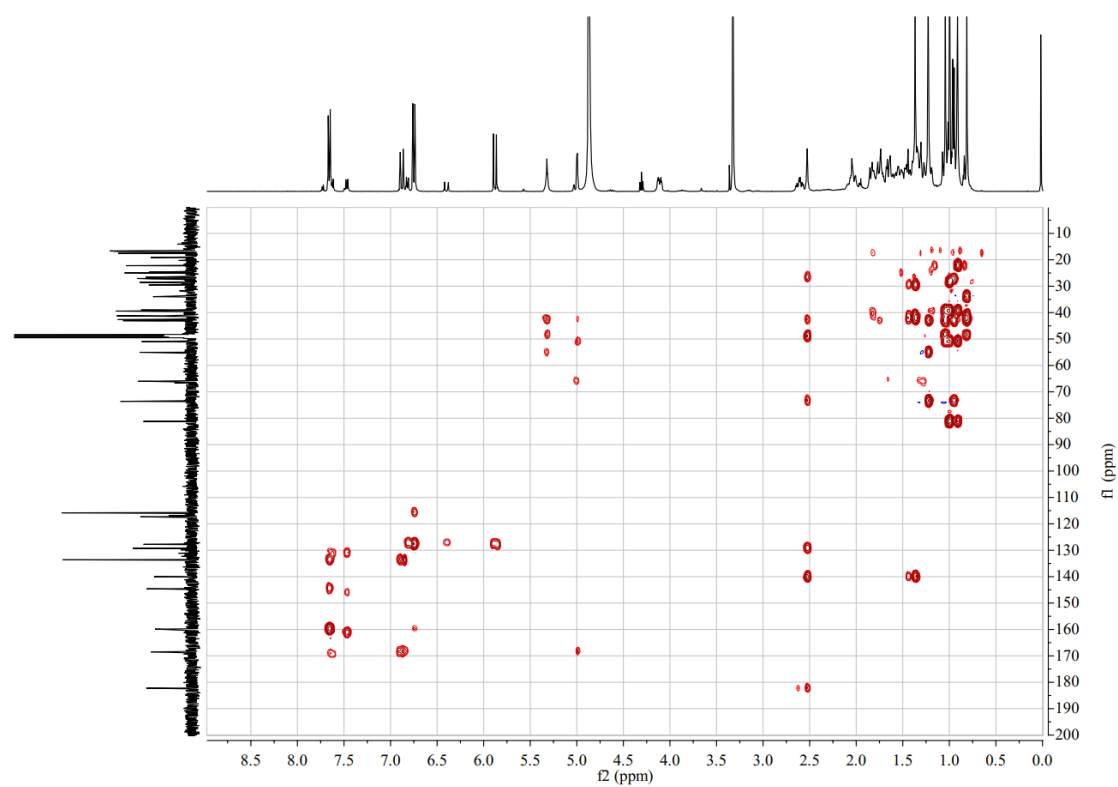


Figure S4. HMBC spectrum of 1 in CD₃OD

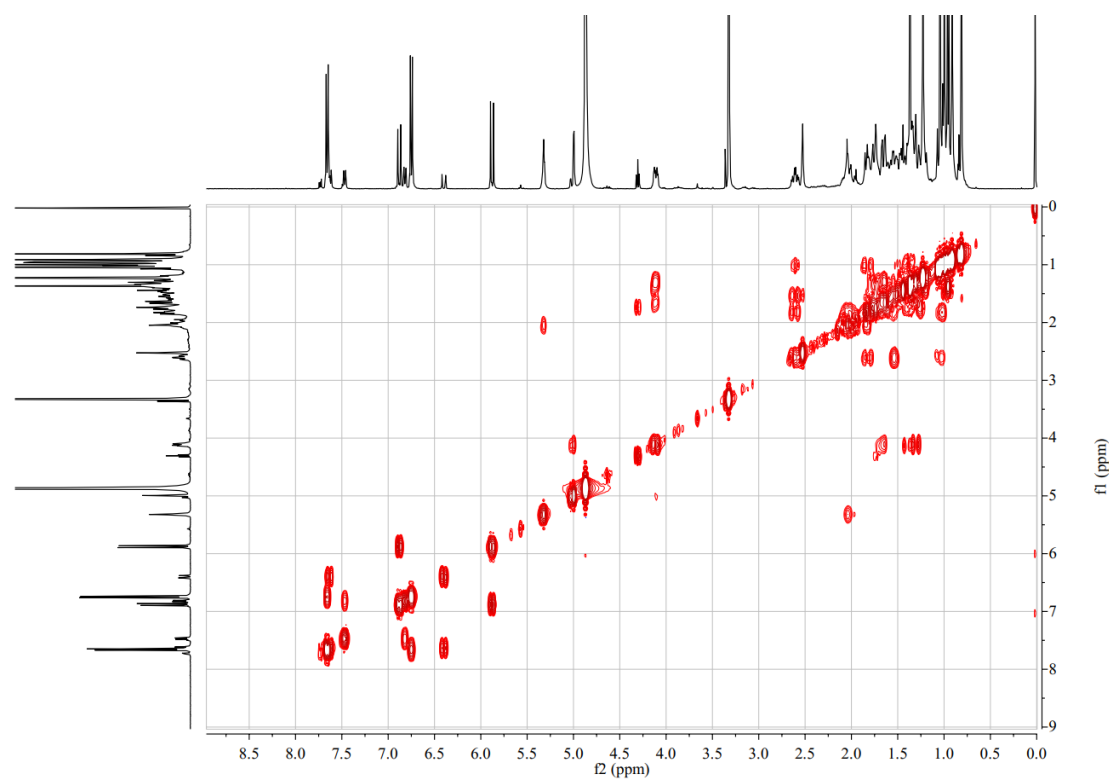


Figure S5. ^1H - ^1H COSY spectrum of **1** in CD_3OD

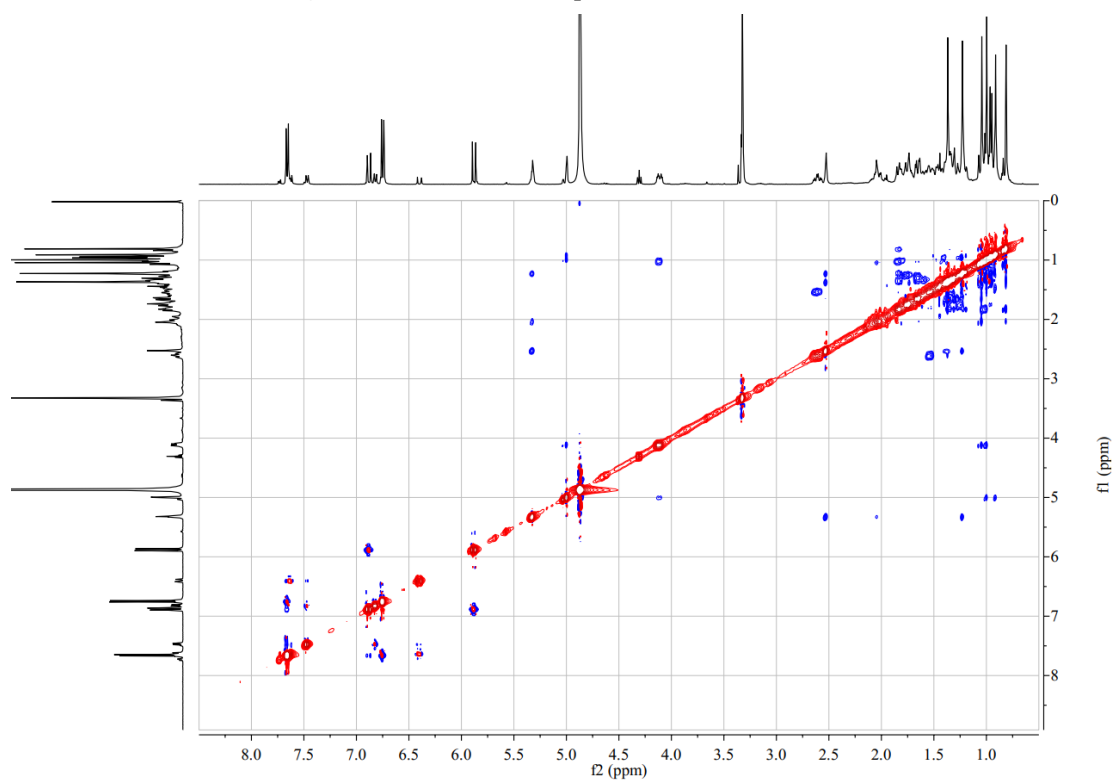


Figure S6. NOESY spectrum of **1** in CD_3OD

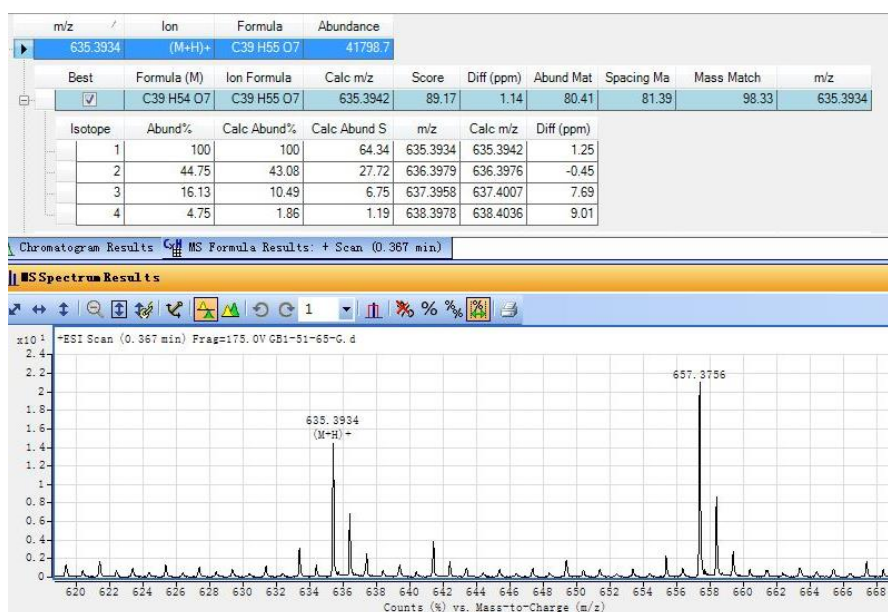


Figure S7. (+)-HRESIMS spectrum of **1**

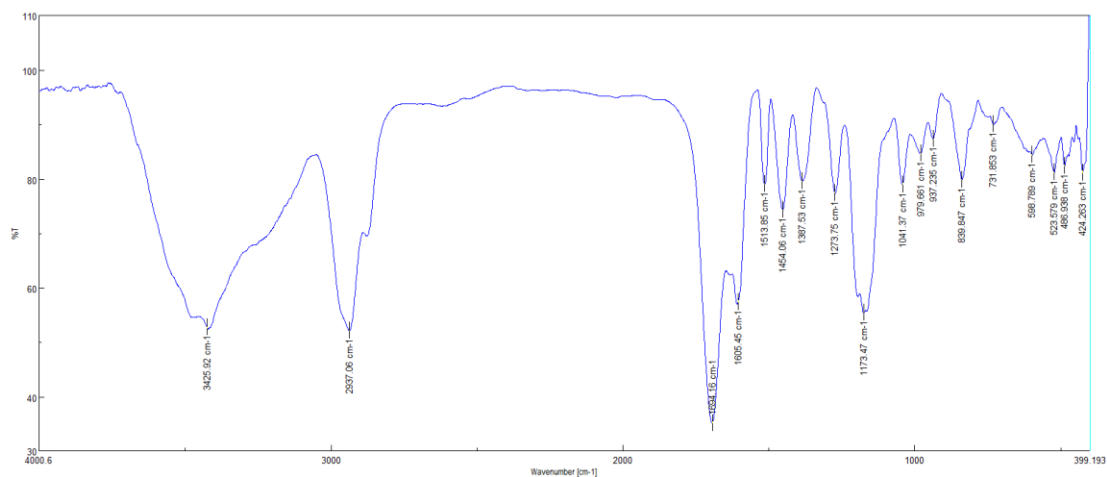


Figure S8. IR spectrum of **1**

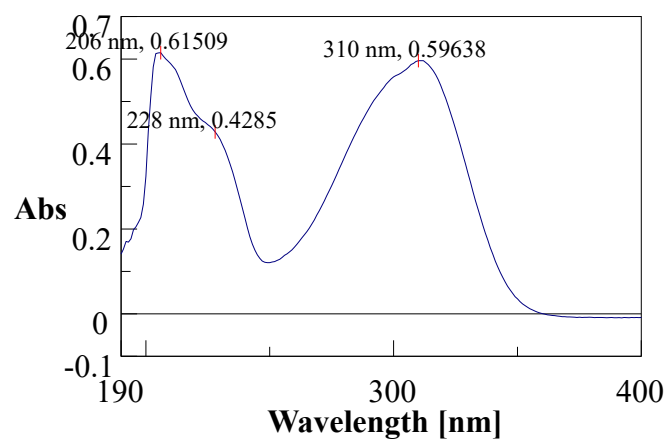


Figure S9. UV spectrum of **1**

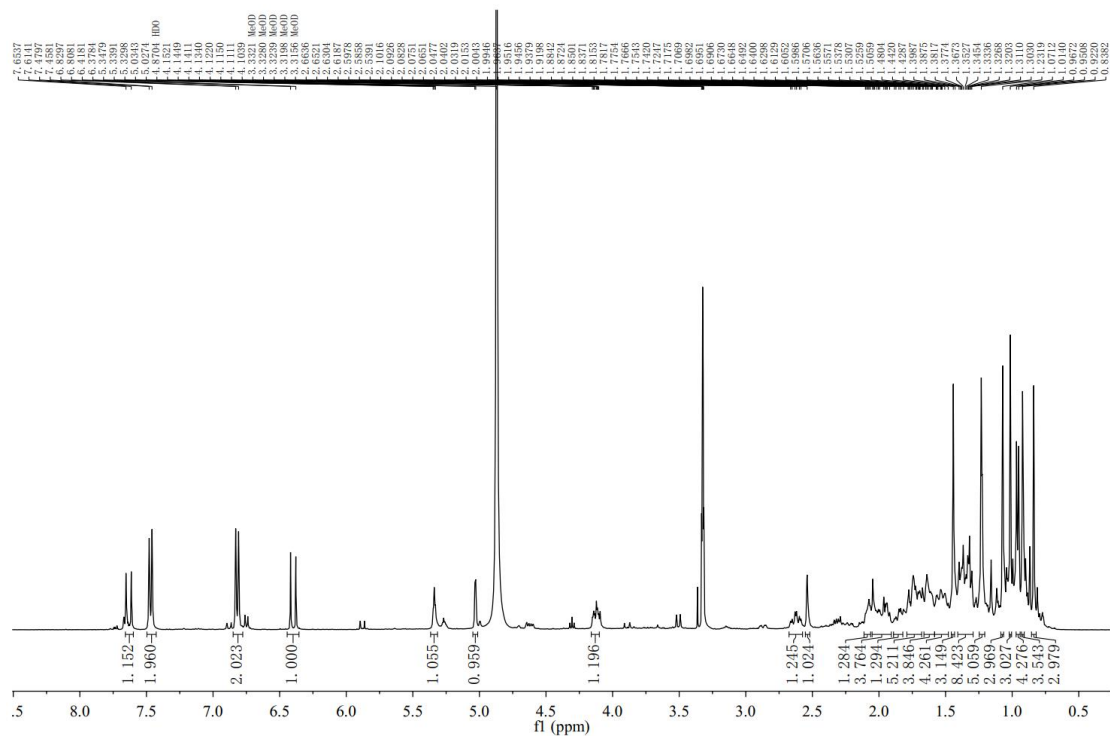


Figure S10. ^1H NMR spectrum of **2** (400 MHz, CD_3OD)

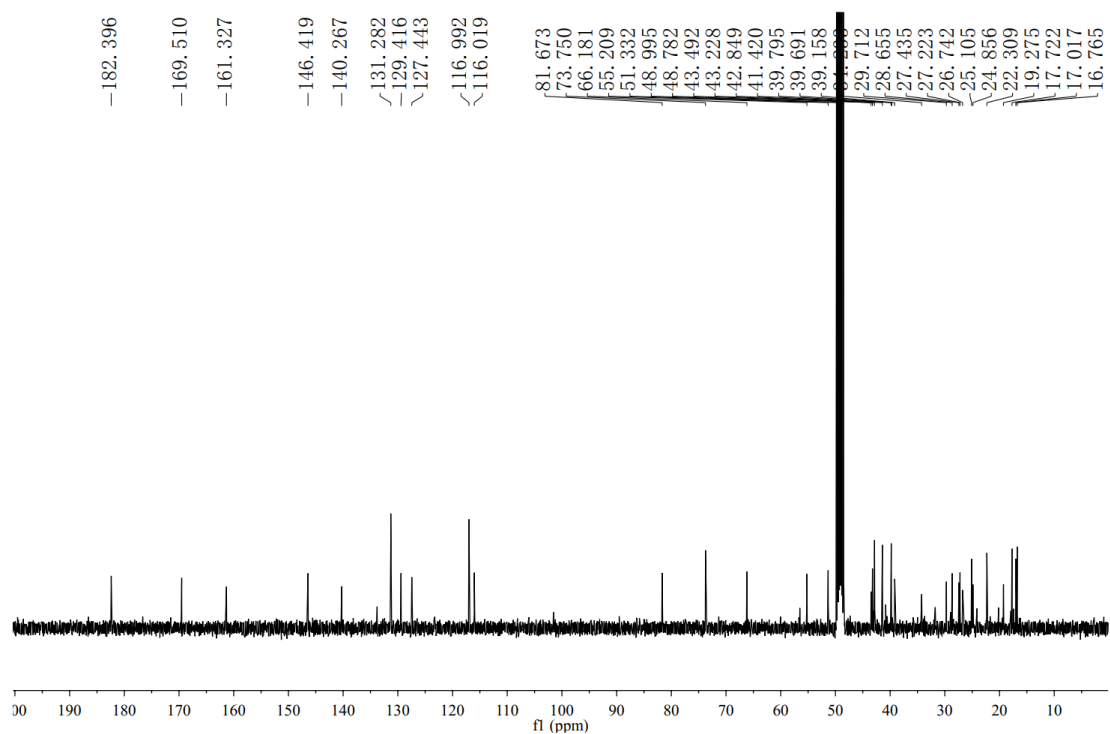


Figure S11. ^{13}C NMR spectrum of **2** (100 MHz, CD_3OD)

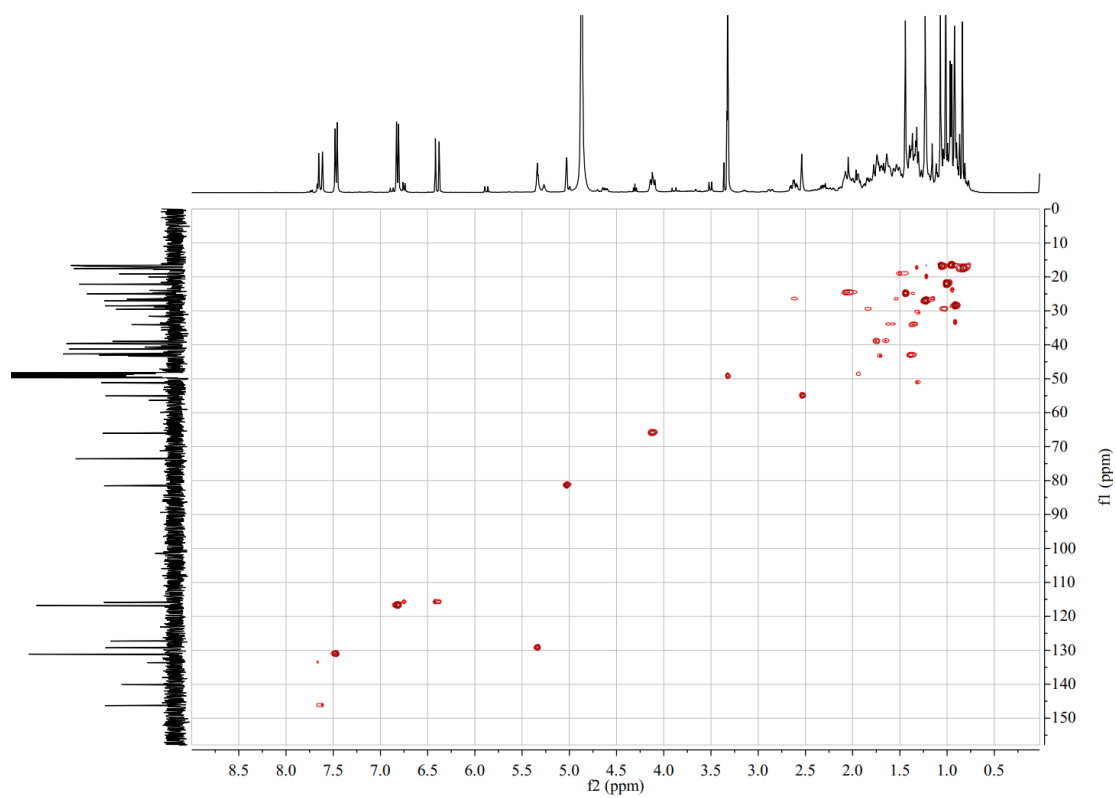


Figure S12. HSQC spectrum of **2** in CD₃OD

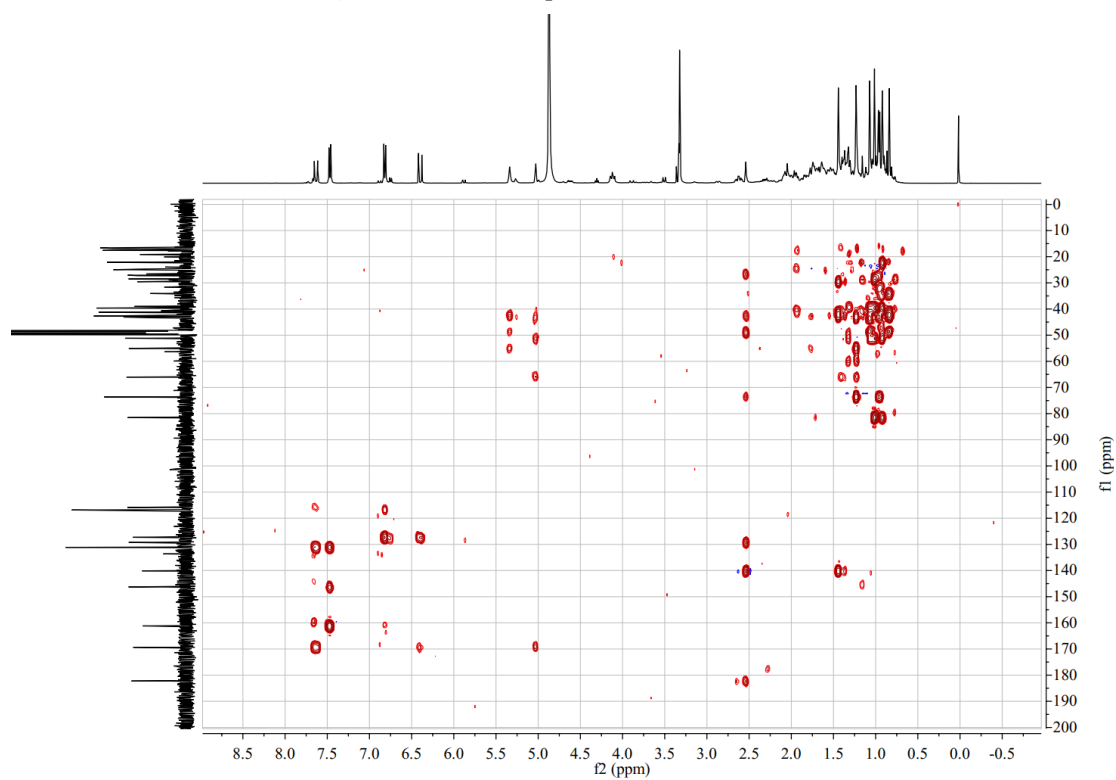


Figure S13. HMBC spectrum of **2** in CD₃OD

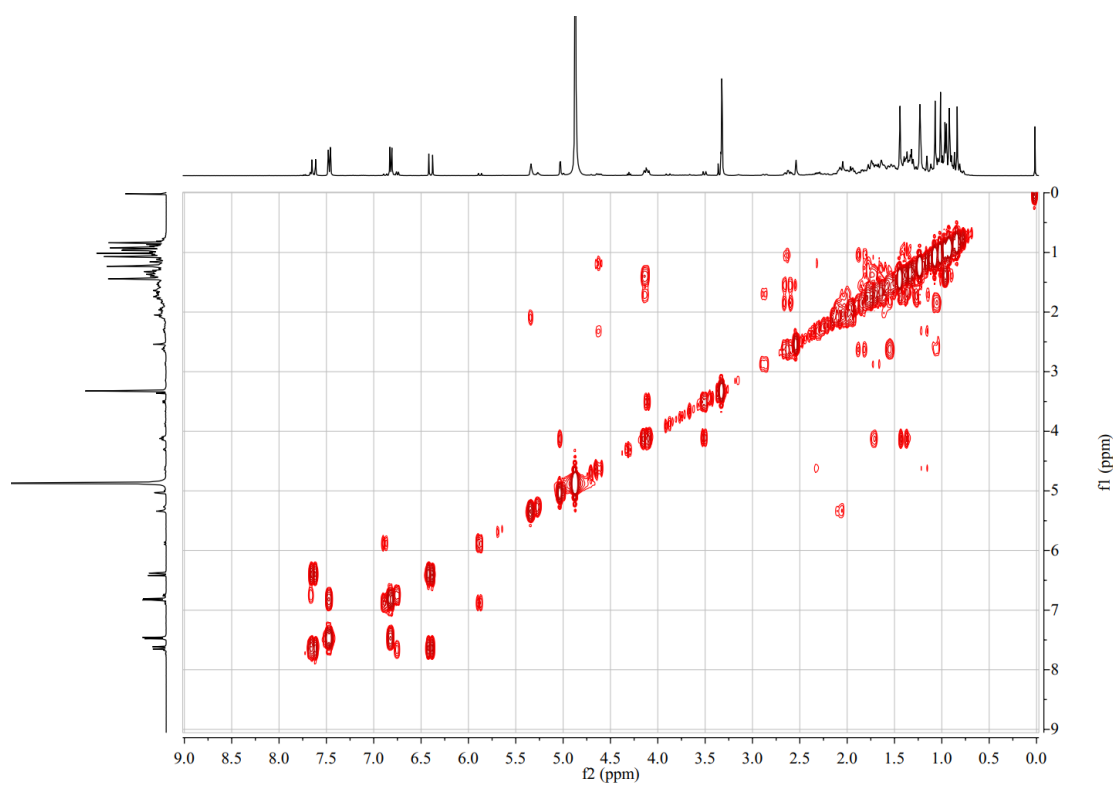


Figure S14. ^1H - ^1H COSY spectrum of **2** in CD_3OD

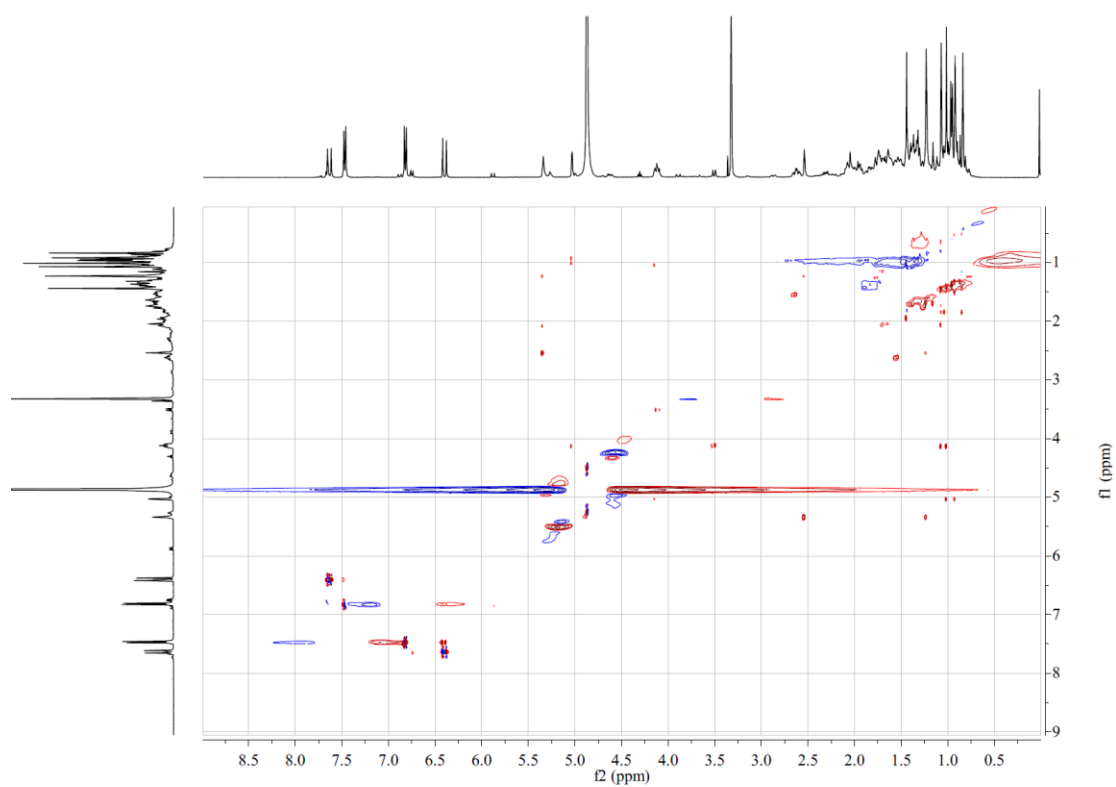


Figure S15. NOESY spectrum of **2** in CD_3OD

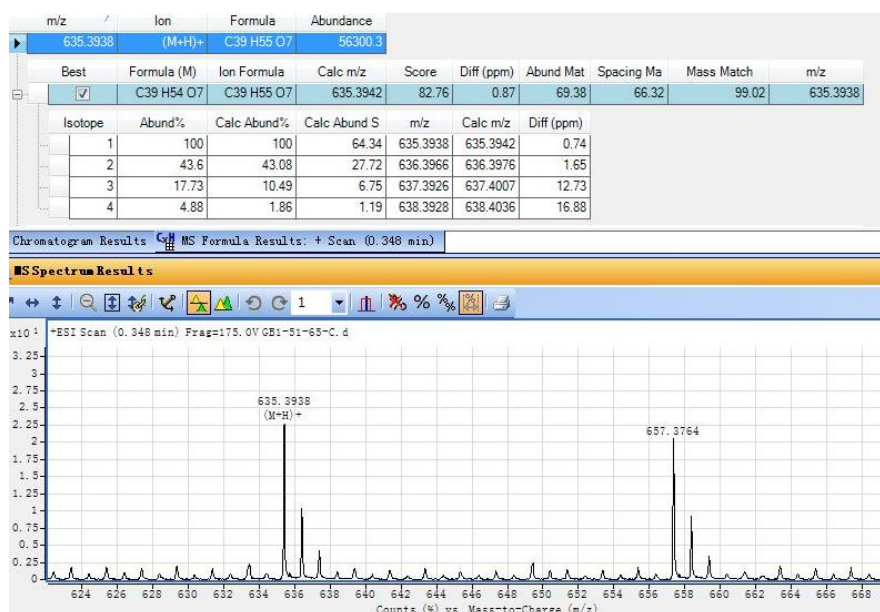


Figure S16. (+)-HRESIMS spectrum of **2**

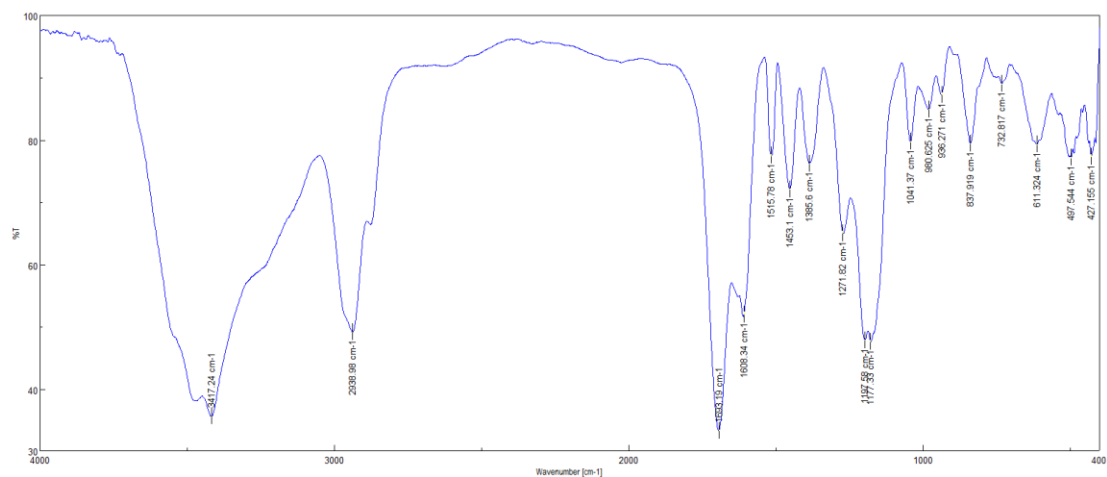


Figure S17. IR spectrum of **2**

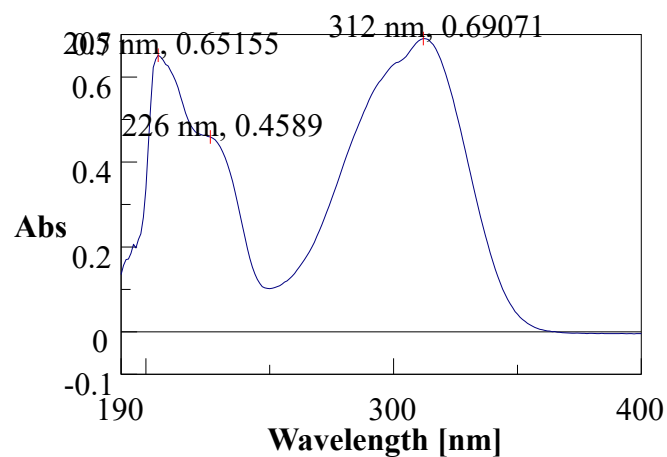


Figure S18. UV spectrum of **2**

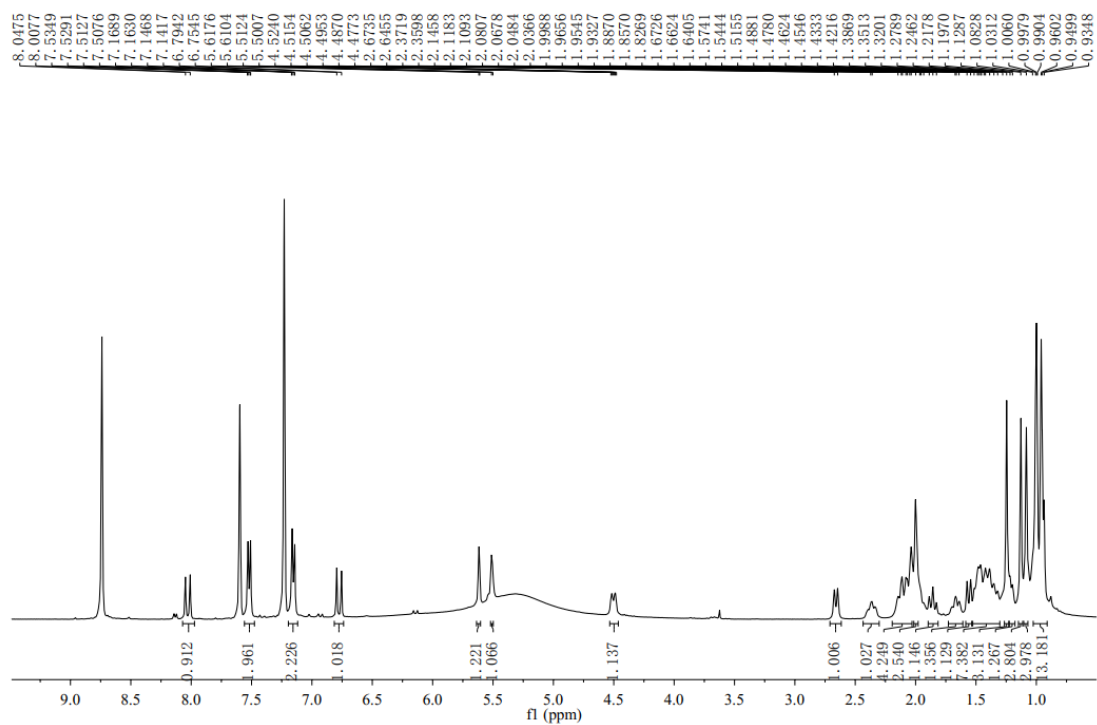


Figure S19. ^1H NMR spectrum of **3** (400 MHz, $\text{C}_5\text{D}_5\text{N}$)

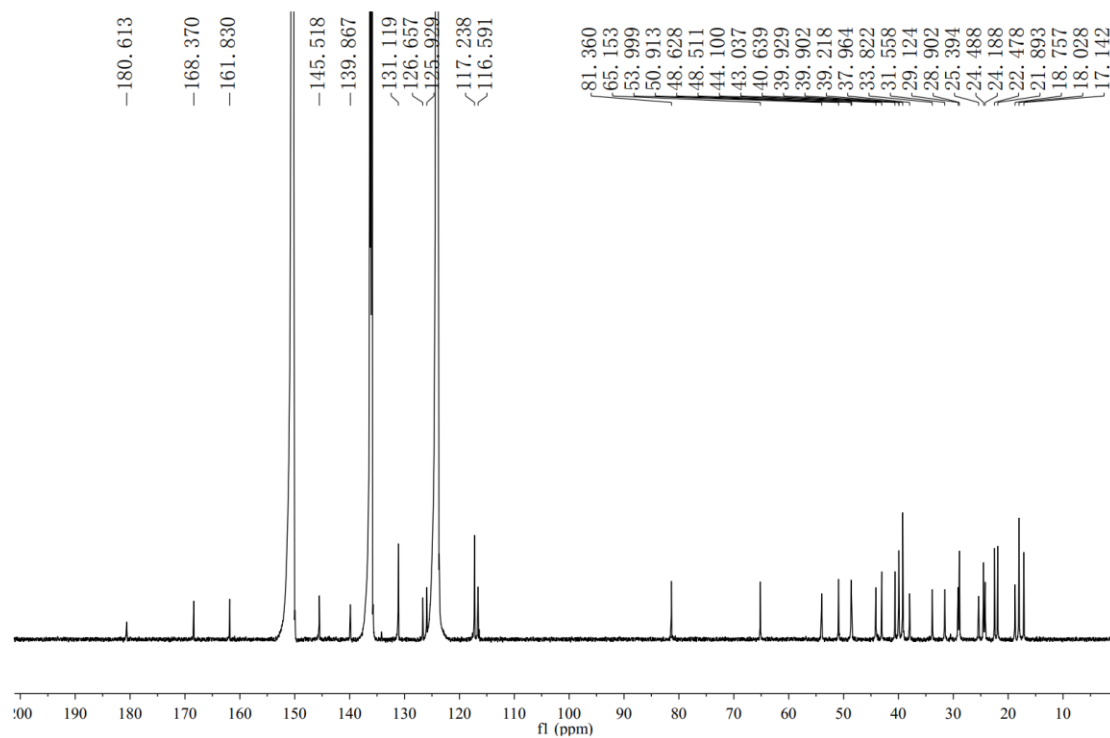


Figure S20. ^{13}C NMR spectrum of **3** (100 MHz, $\text{C}_5\text{D}_5\text{N}$)

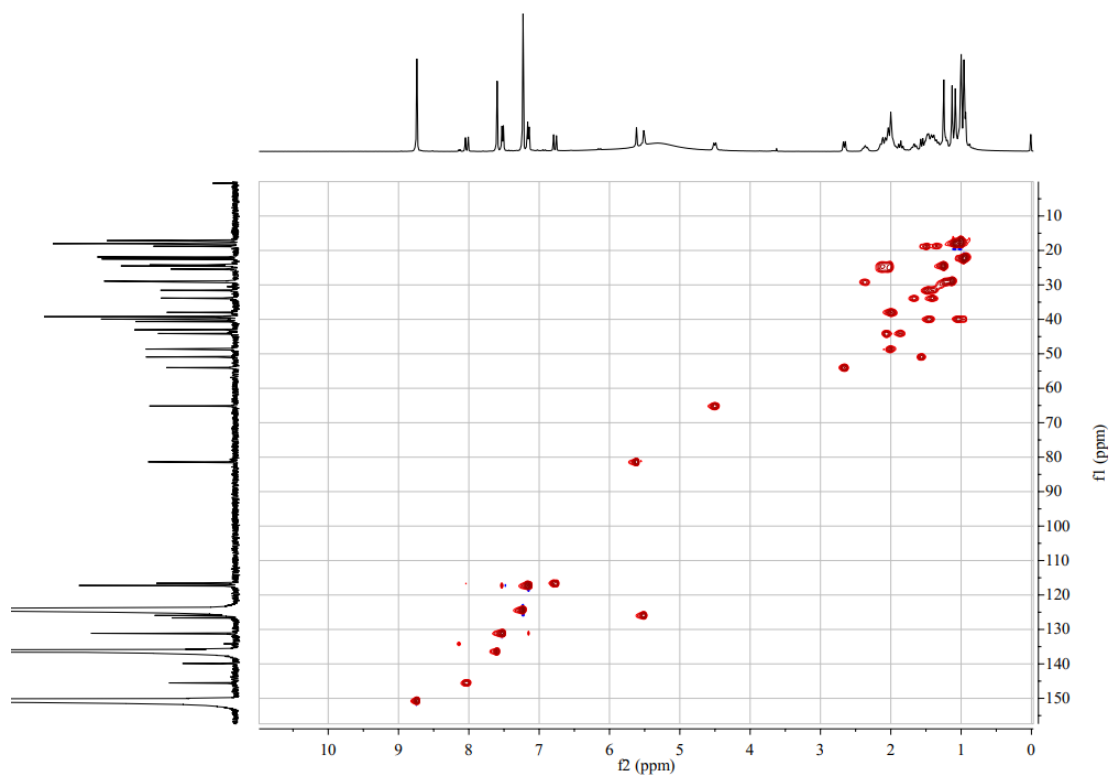


Figure S21. HSQC spectrum of **3** in C₅D₅N

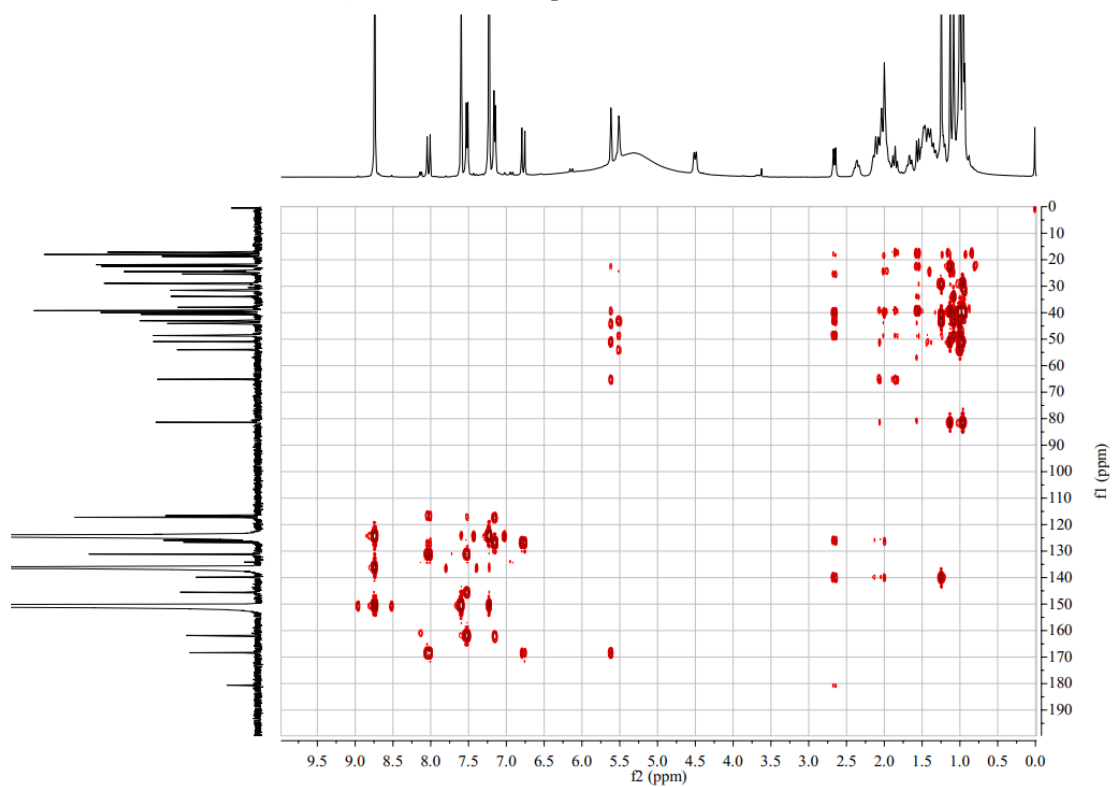


Figure S22. HMBC spectrum of **3** in C₅D₅N

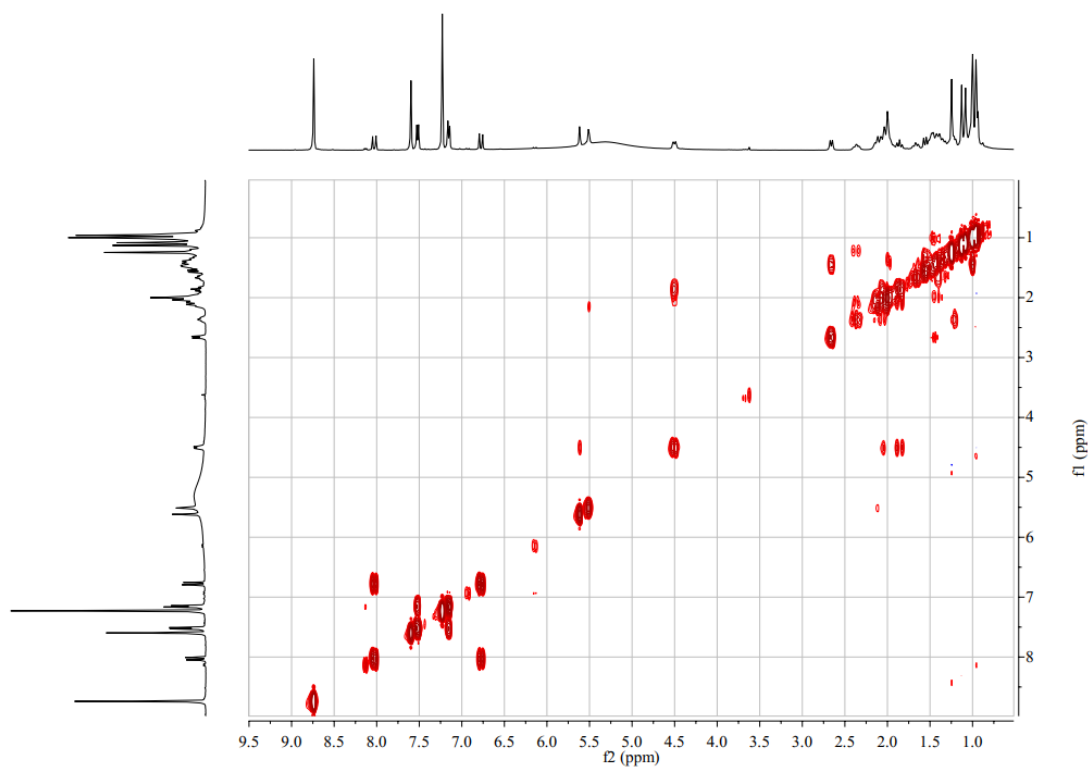


Figure S23. ^1H - ^1H COSY spectrum of **3** in $\text{C}_5\text{D}_5\text{N}$

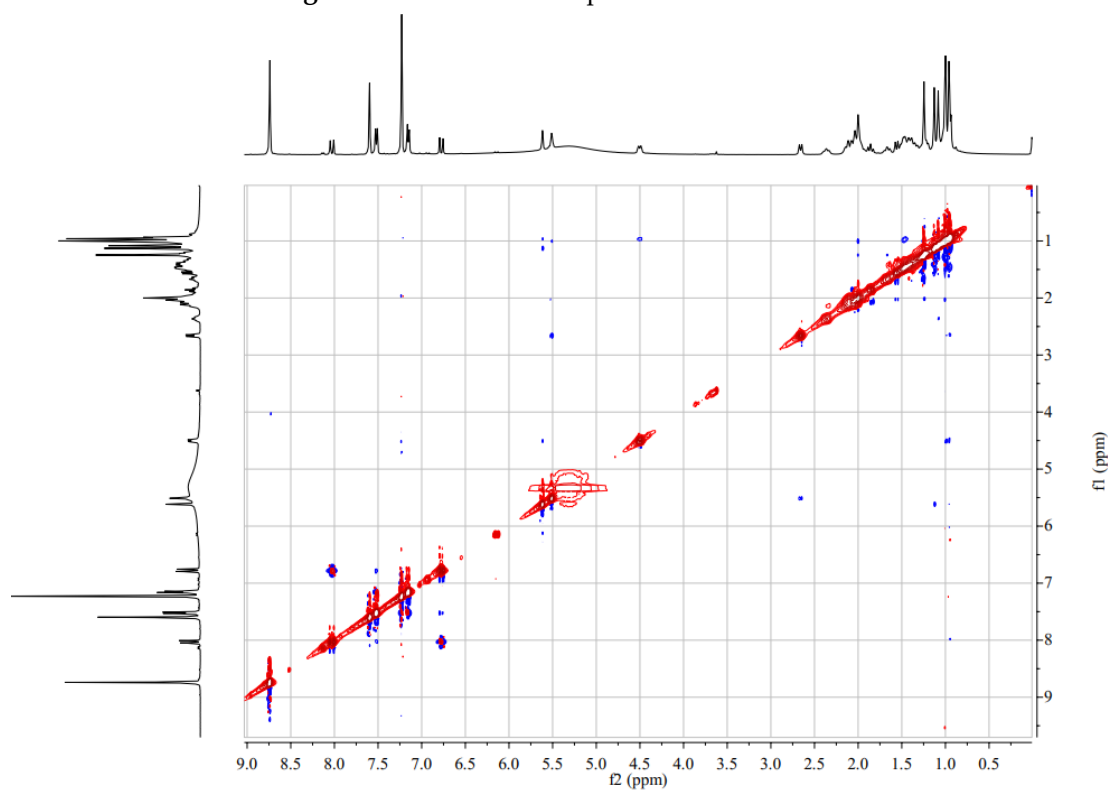


Figure S24. NOESY spectrum of **3** in $\text{C}_5\text{D}_5\text{N}$

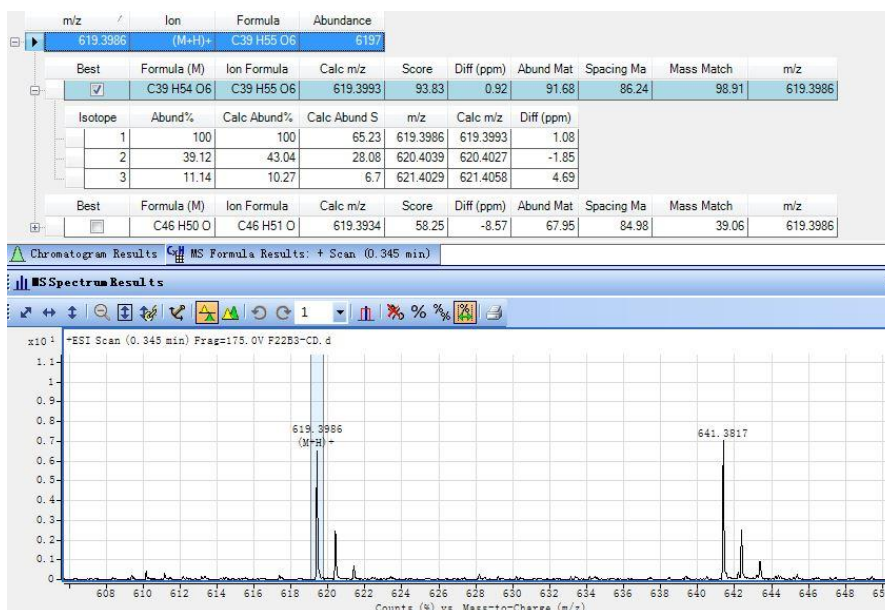


Figure S25. (+)-HRESIMS spectrum of **3**

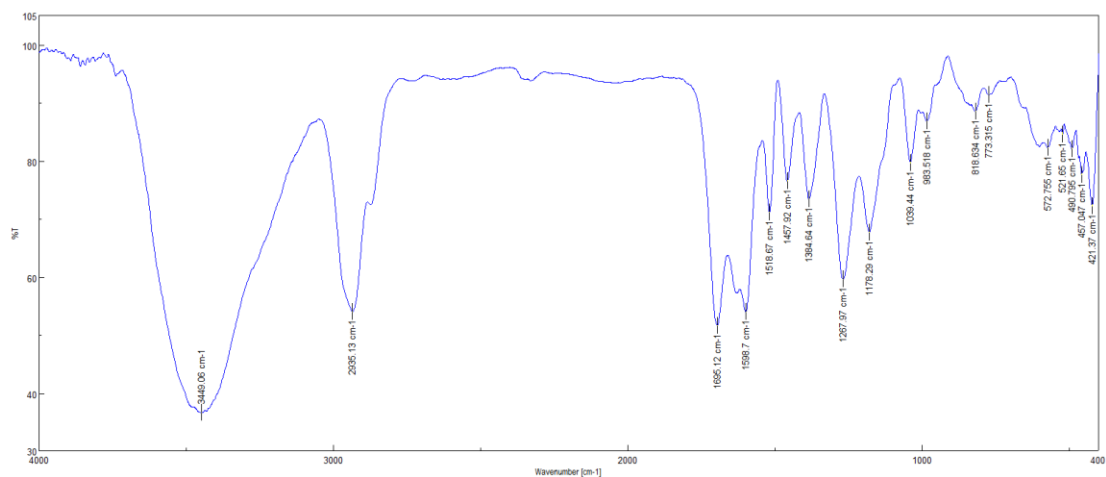


Figure S26. IR spectrum of **3**

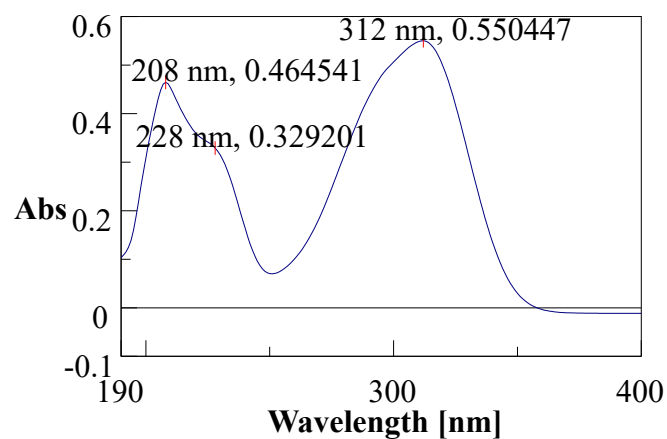


Figure S27. UV spectrum of **3**

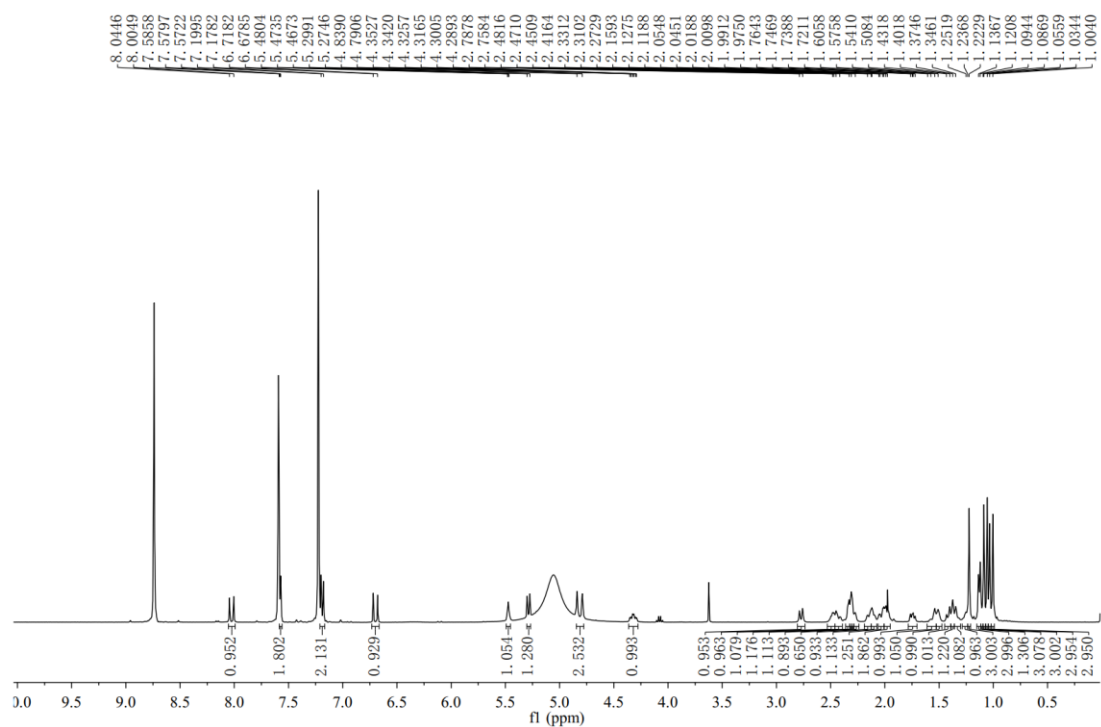


Figure S28. ^1H NMR spectrum of **4** (400 MHz, $\text{C}_5\text{D}_5\text{N}$)

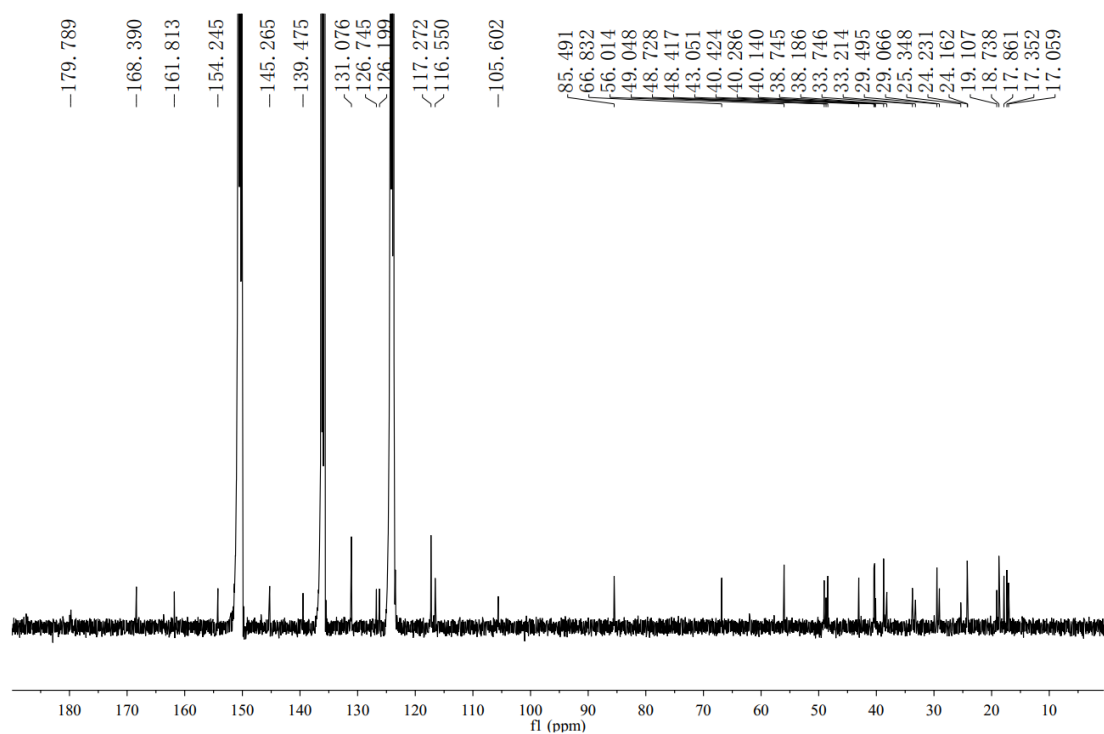


Figure S29. ^{13}C NMR spectrum of **4** (100 MHz, $\text{C}_5\text{D}_5\text{N}$)

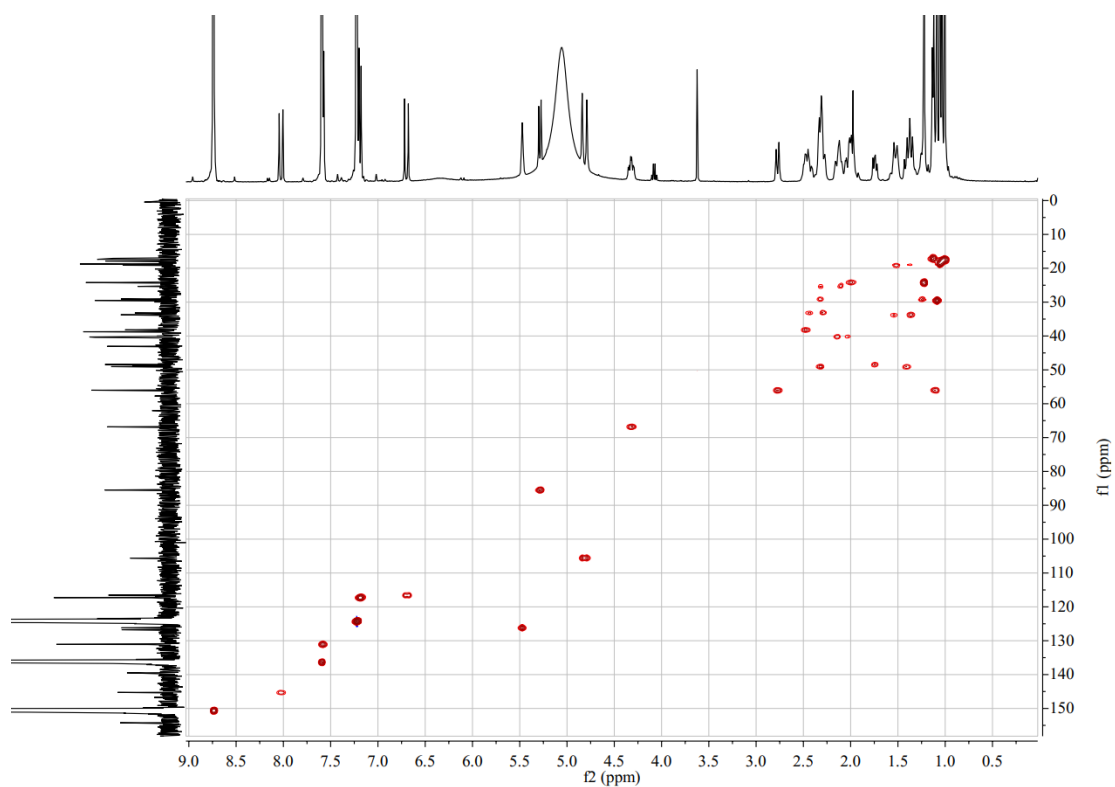


Figure S30. HSQC spectrum of 4 in $\text{C}_5\text{D}_5\text{N}$

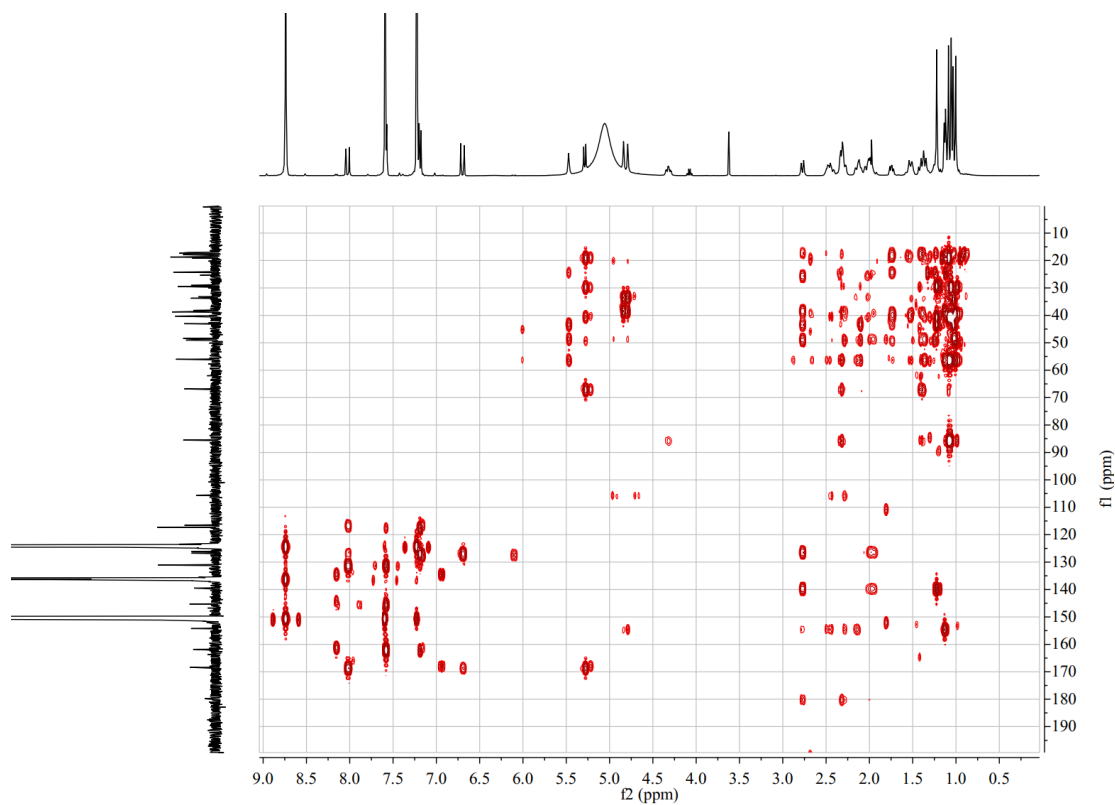


Figure S31. HMBC spectrum of 4 in $\text{C}_5\text{D}_5\text{N}$

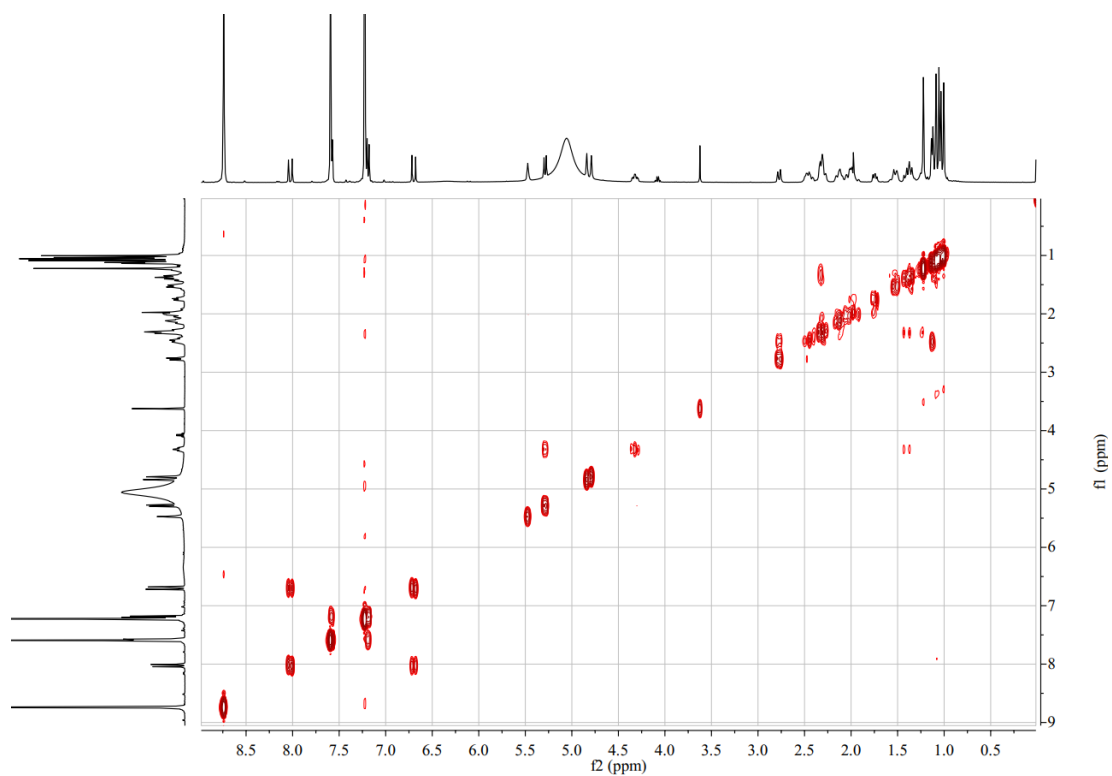


Figure S32. ^1H - ^1H COSY spectrum of **4** in $\text{C}_5\text{D}_5\text{N}$

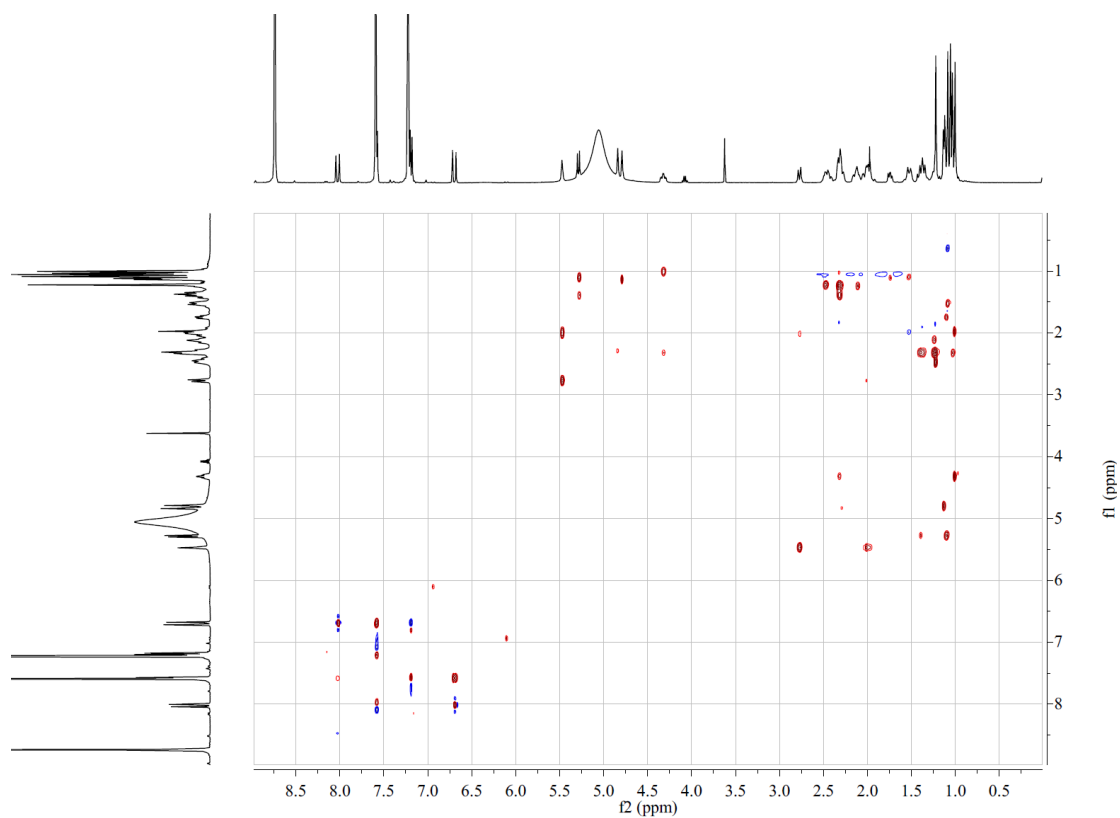


Figure S33. NOESY spectrum of **4** in $\text{C}_5\text{D}_5\text{N}$

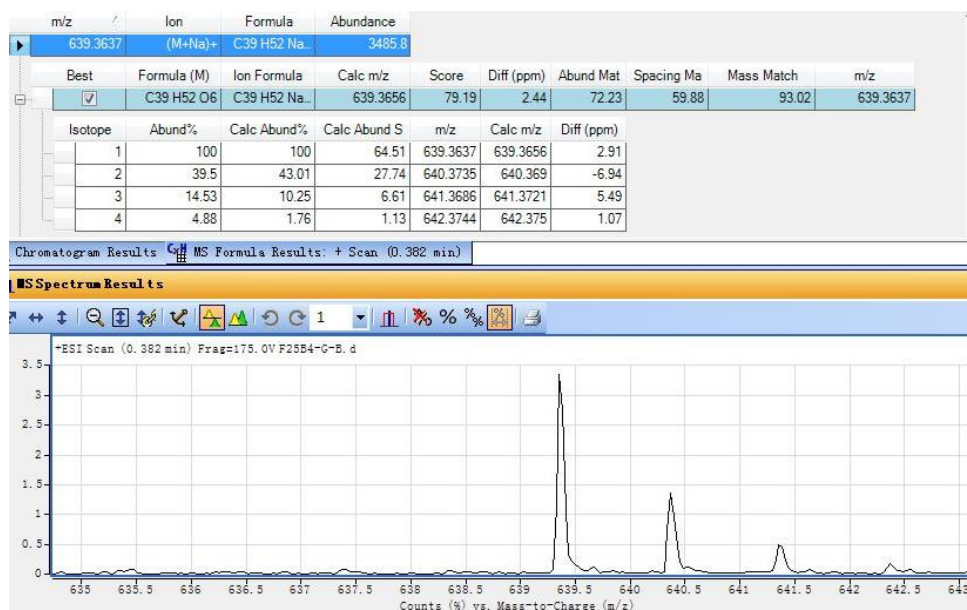


Figure S34. (+)-HRESIMS spectrum of **4**

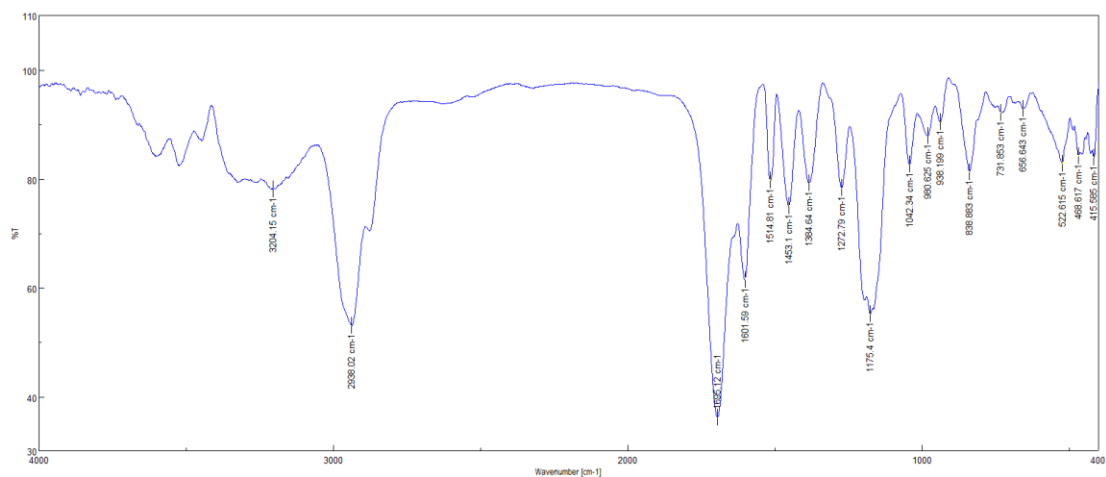


Figure S35. IR spectrum of **4**

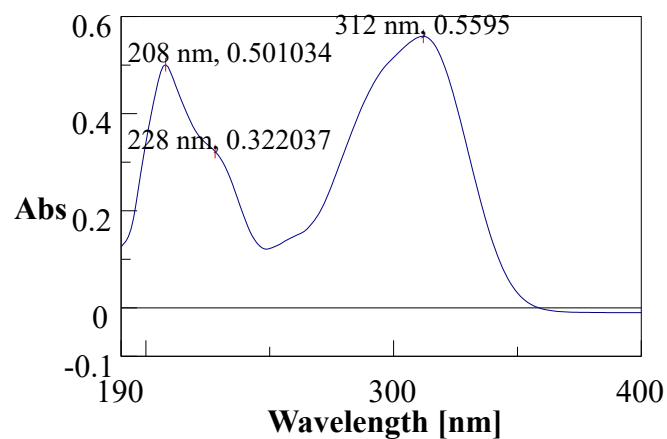


Figure S36. UV spectrum of **4**

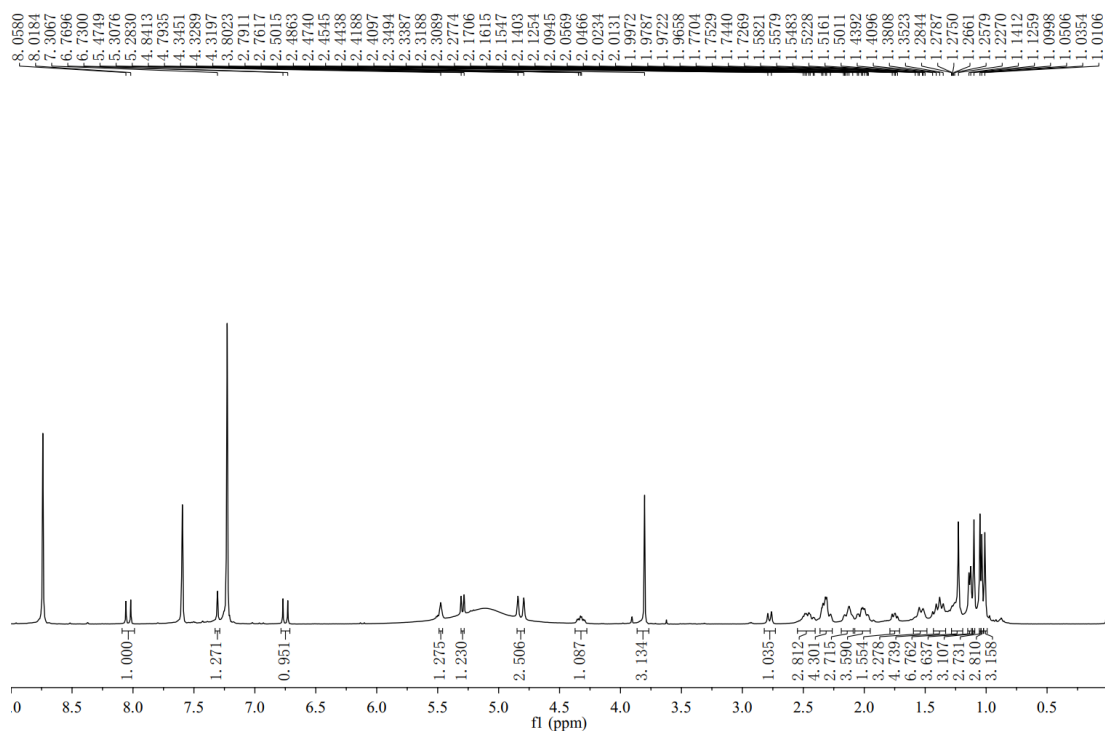


Figure S37. ¹H NMR spectrum of 5 (400 MHz, C₅D₅N)

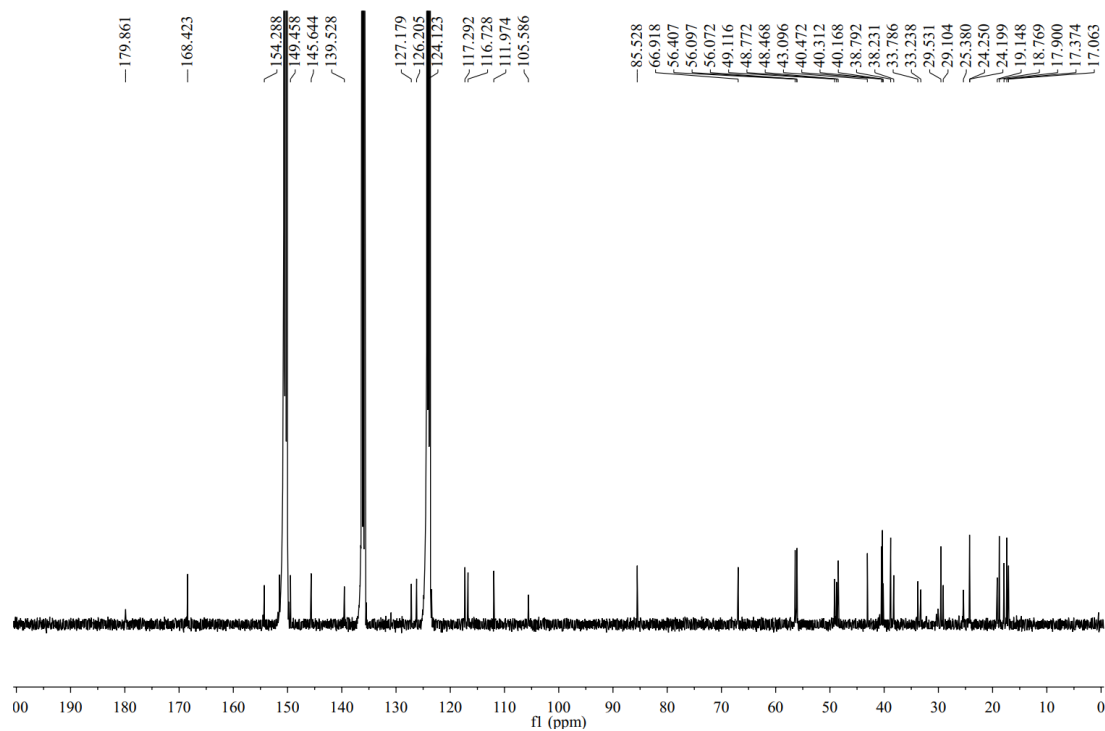


Figure S38. ¹³C NMR spectrum of 5 (100 MHz, C₅D₅N)

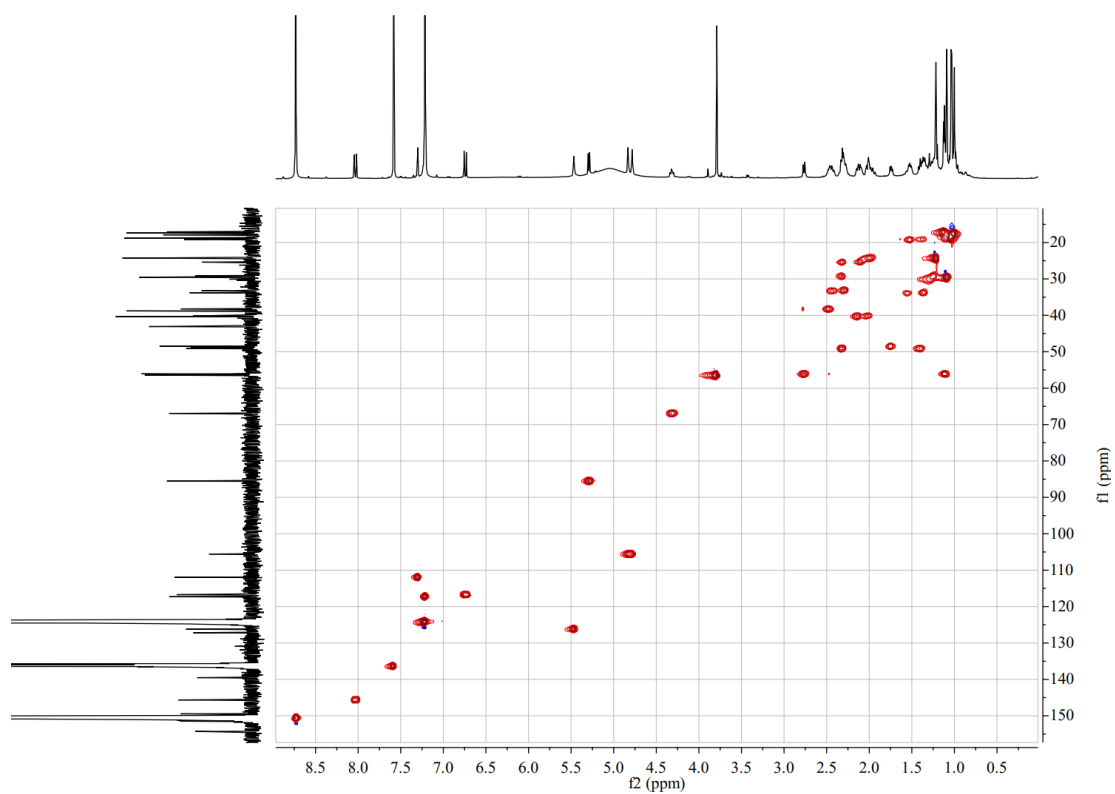


Figure S39. HSQC spectrum of 5 in C₅D₅N

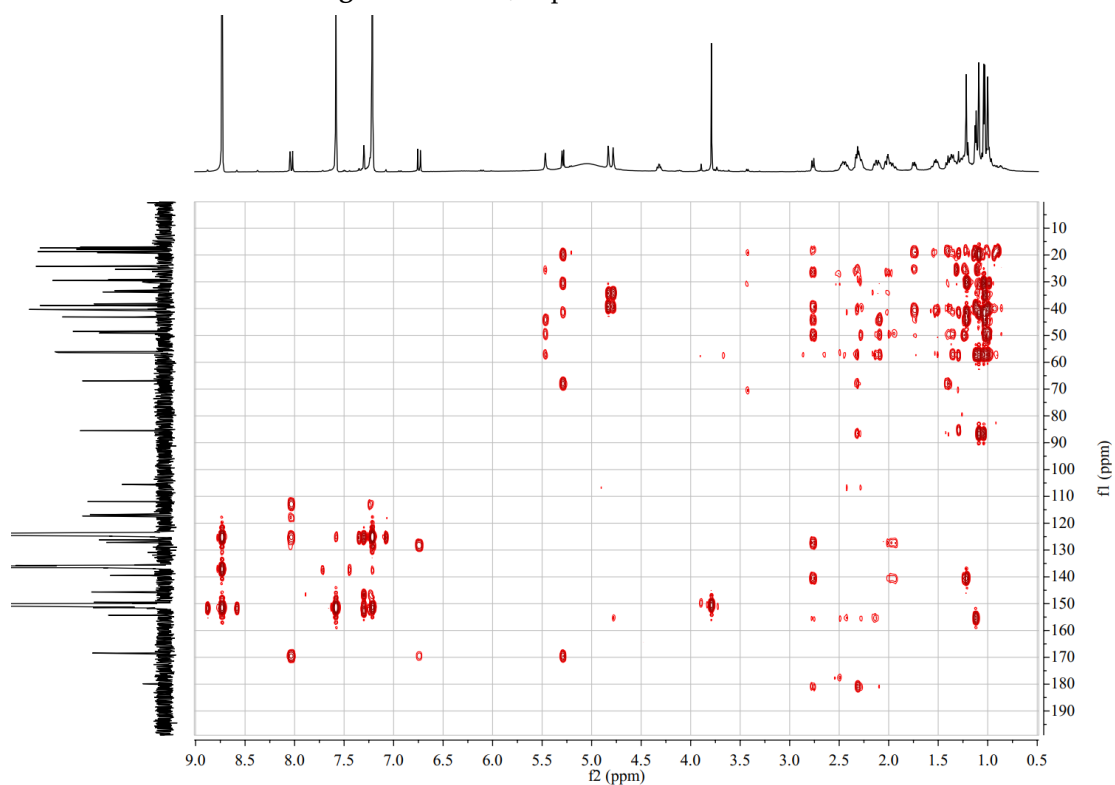


Figure S40. HMBC spectrum of 5 in C₅D₅N

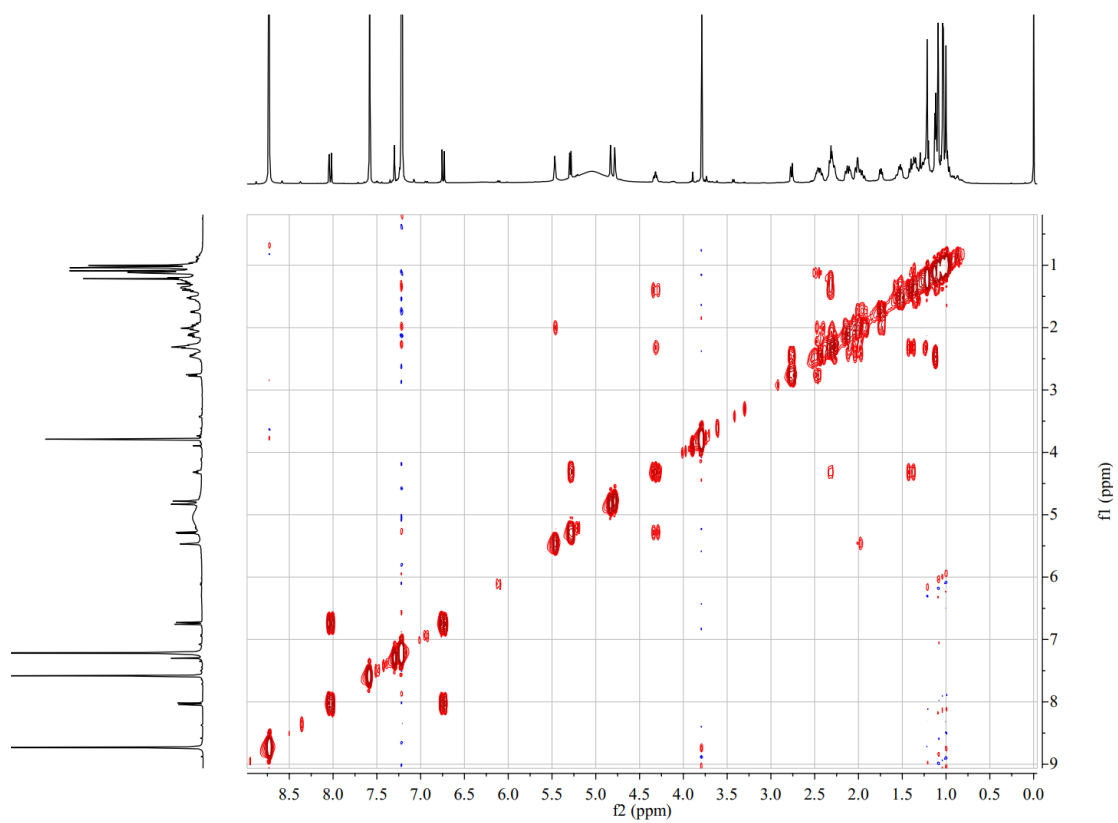


Figure S41. ^1H - ^1H COSY spectrum of **5** in $\text{C}_5\text{D}_5\text{N}$

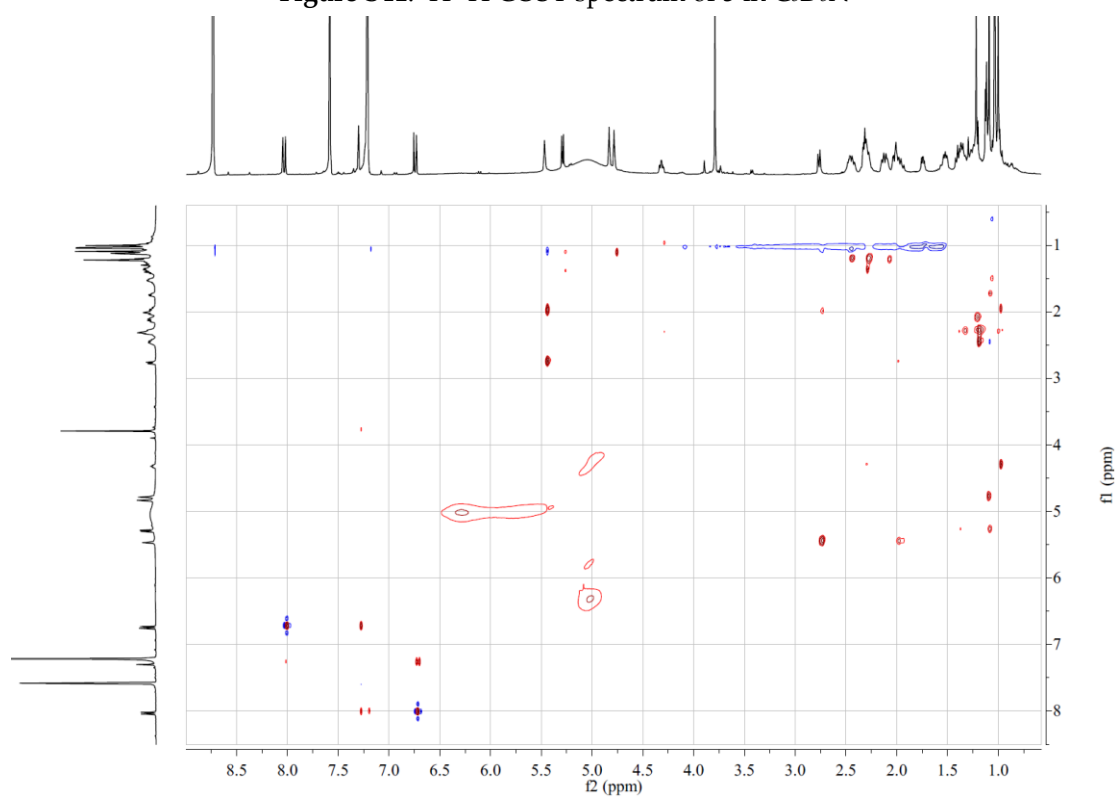


Figure S42. NOESY spectrum of **5** in $\text{C}_5\text{D}_5\text{N}$

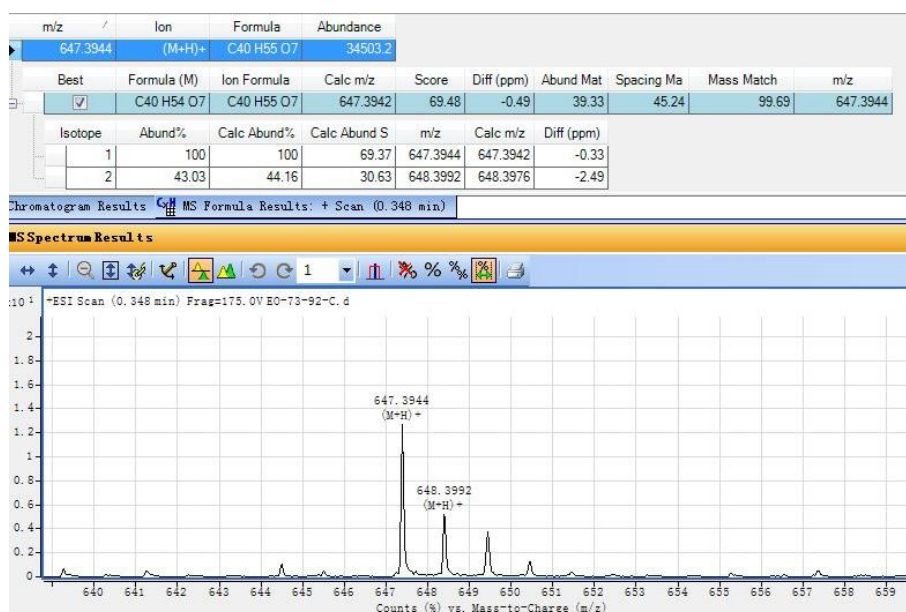


Figure S43. (+)-HRESIMS spectrum of **5**

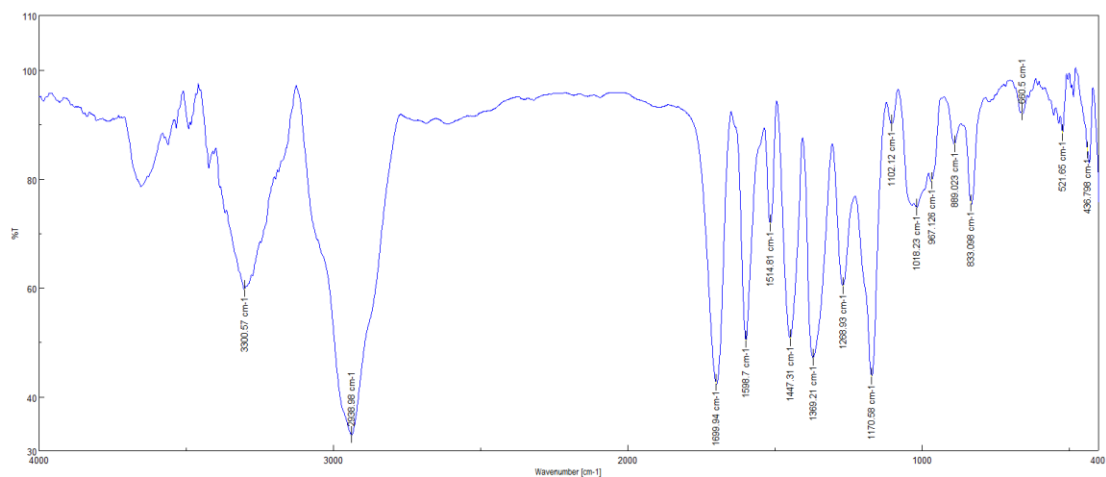


Figure S44. IR spectrum of **5**

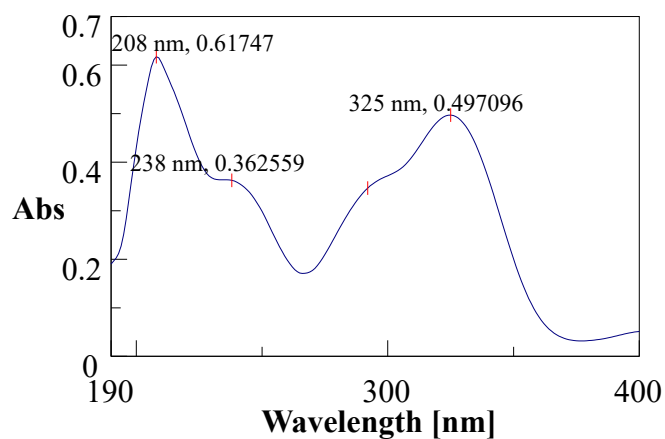


Figure S45. UV spectrum of **5**

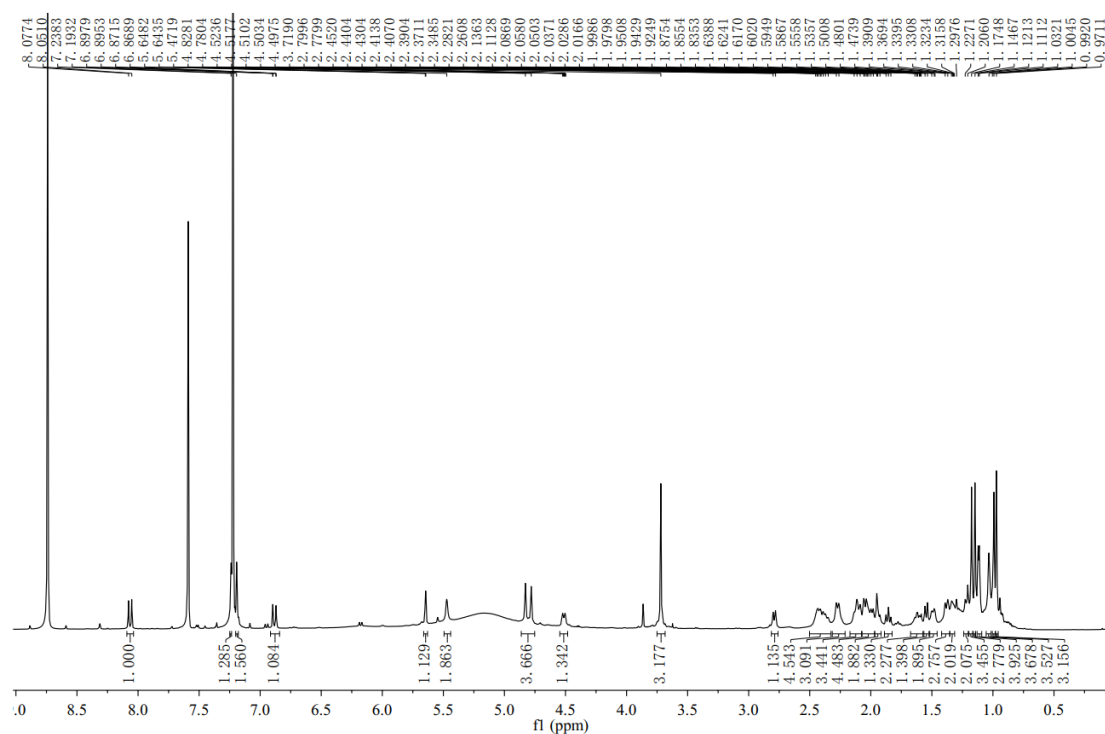


Figure S46. ¹H NMR spectrum of **6** (400 MHz, C₅D₅N)

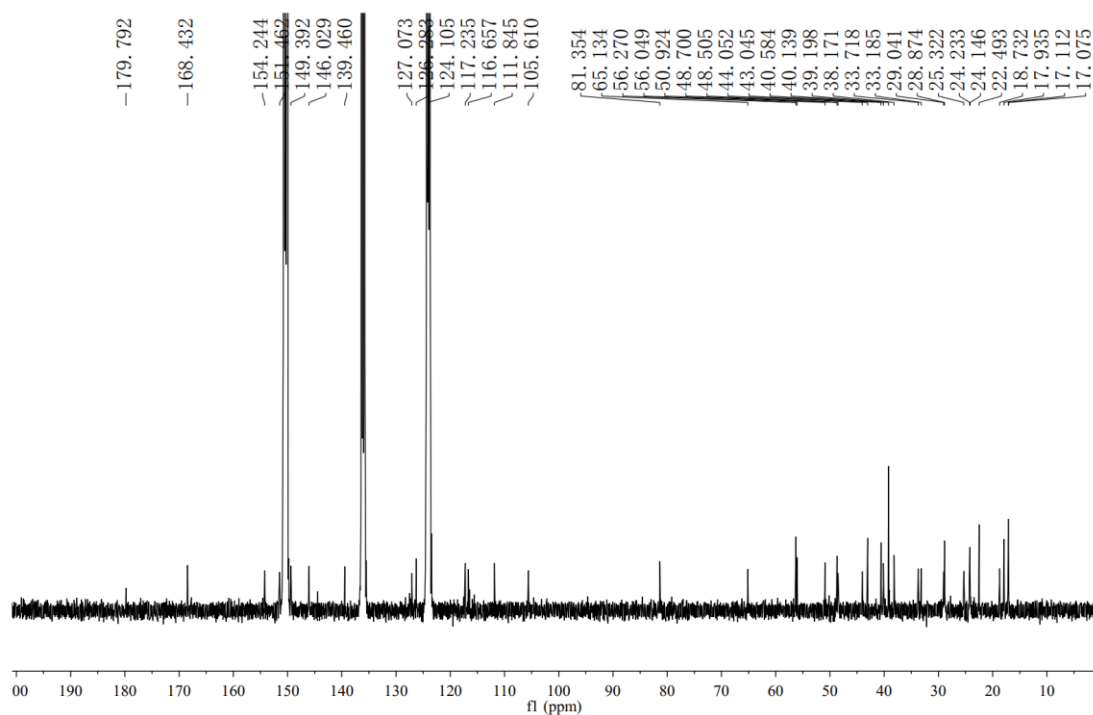


Figure S47. ¹³C NMR spectrum of **6** (100 MHz, C₅D₅N)

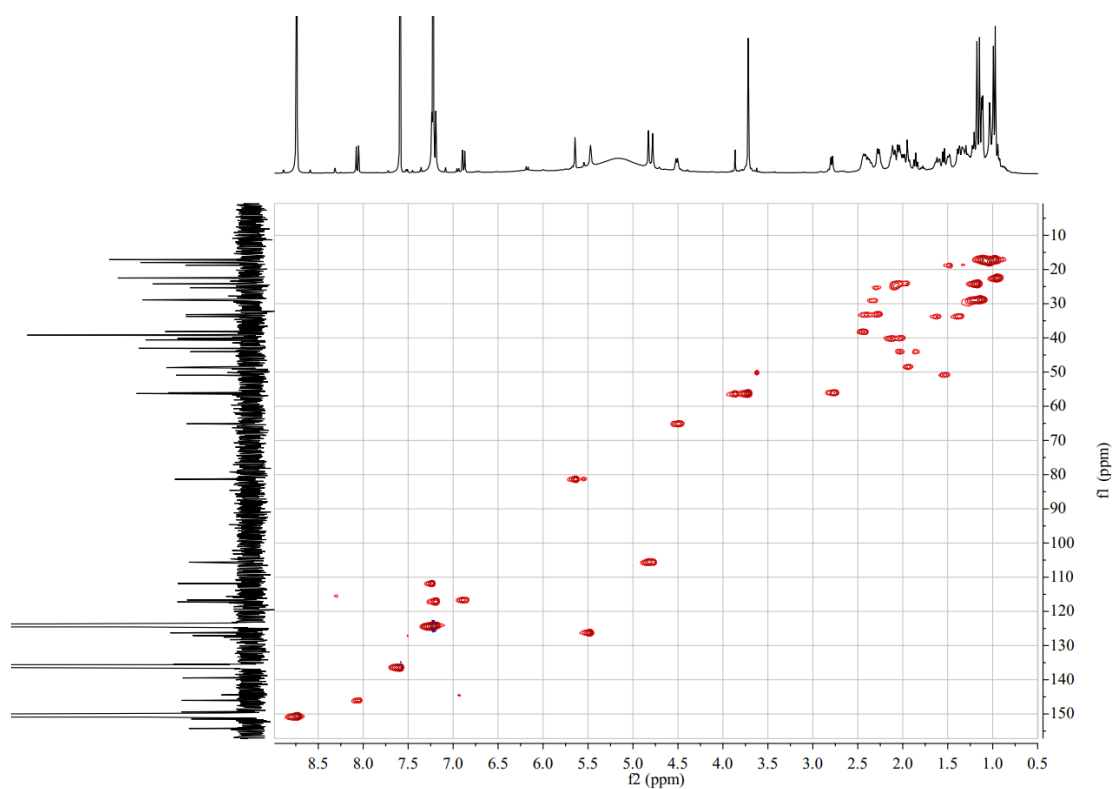


Figure S48. HSQC spectrum of **6** in $\text{C}_5\text{D}_5\text{N}$

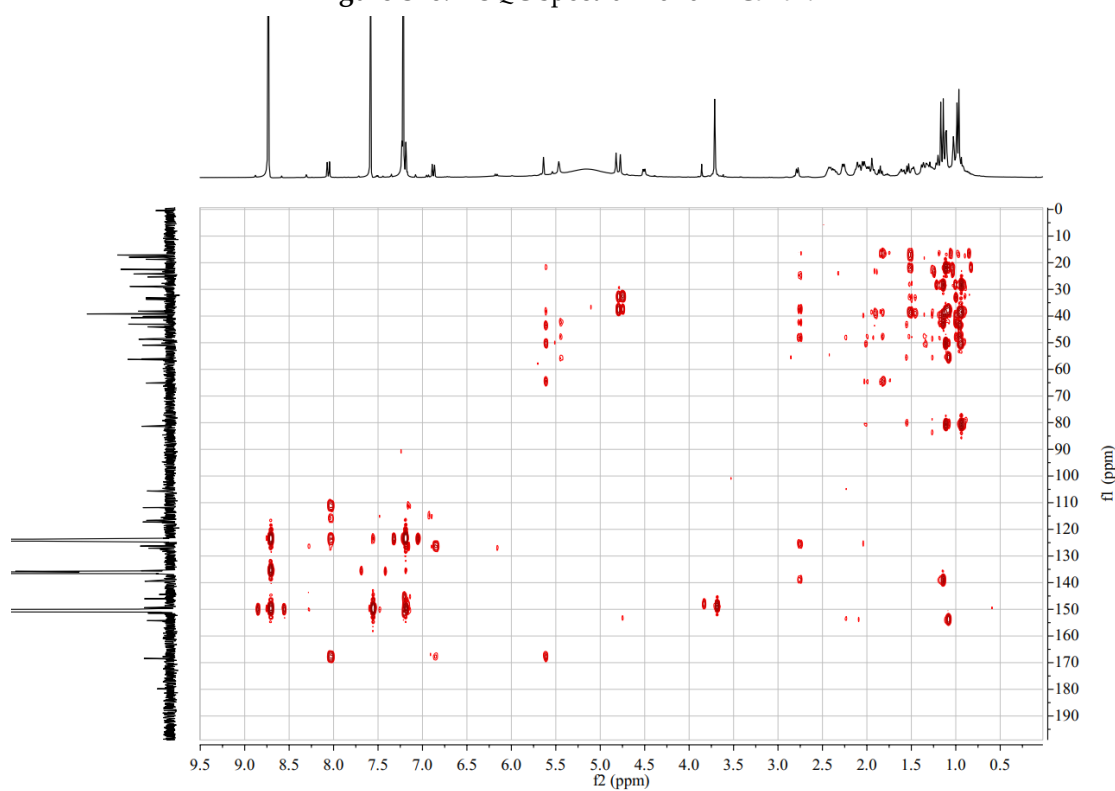


Figure S49. HMBC spectrum of **6** in $\text{C}_5\text{D}_5\text{N}$

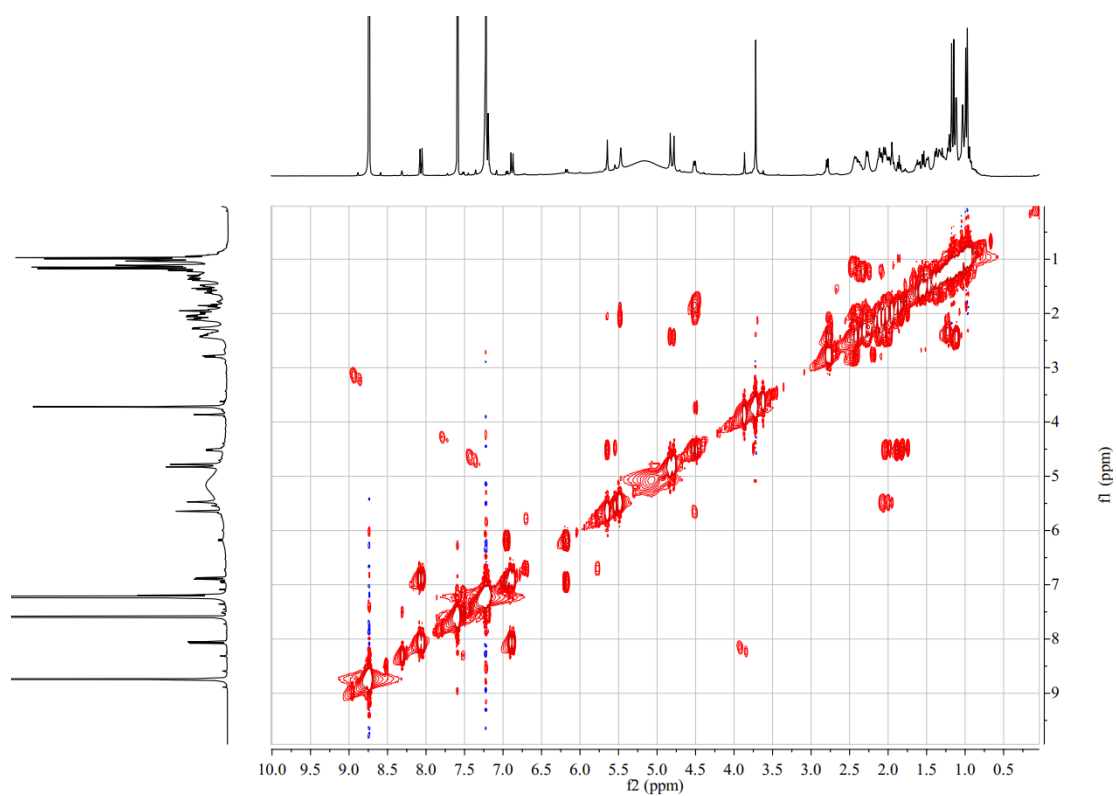


Figure S50. ^1H - ^1H COSY spectrum of **6** in $\text{C}_5\text{D}_5\text{N}$

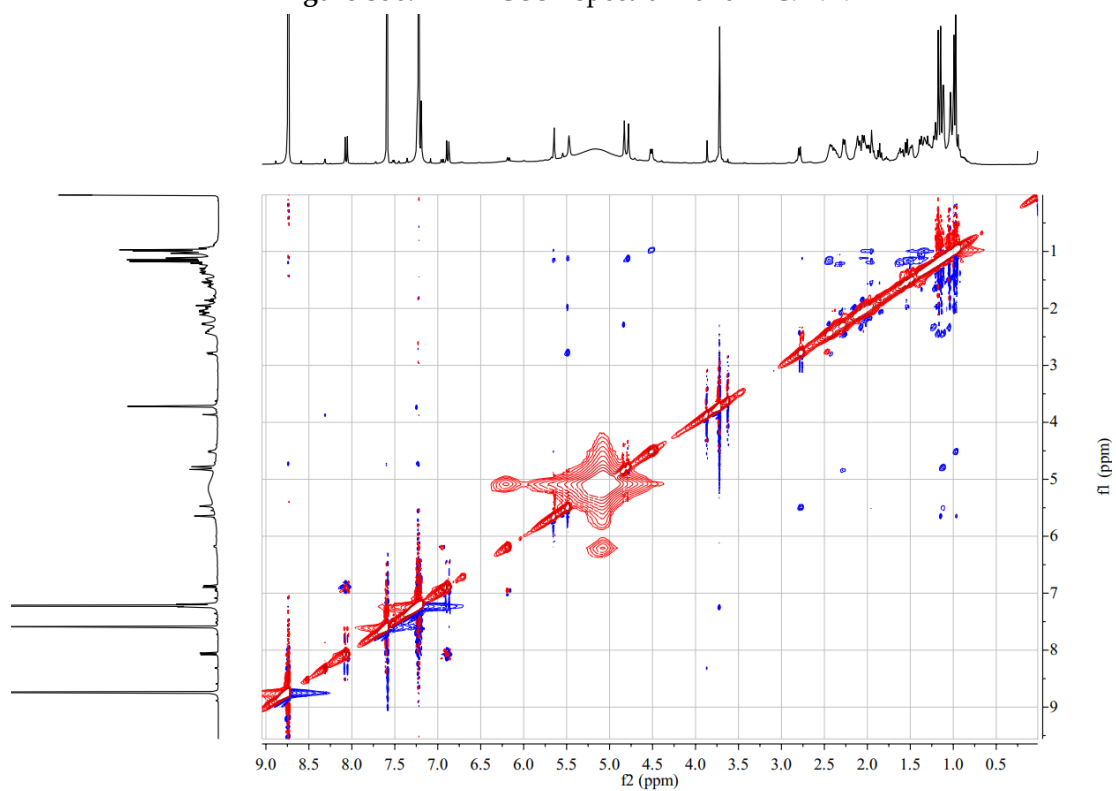


Figure S51. NOESY spectrum of **6** in $\text{C}_5\text{D}_5\text{N}$

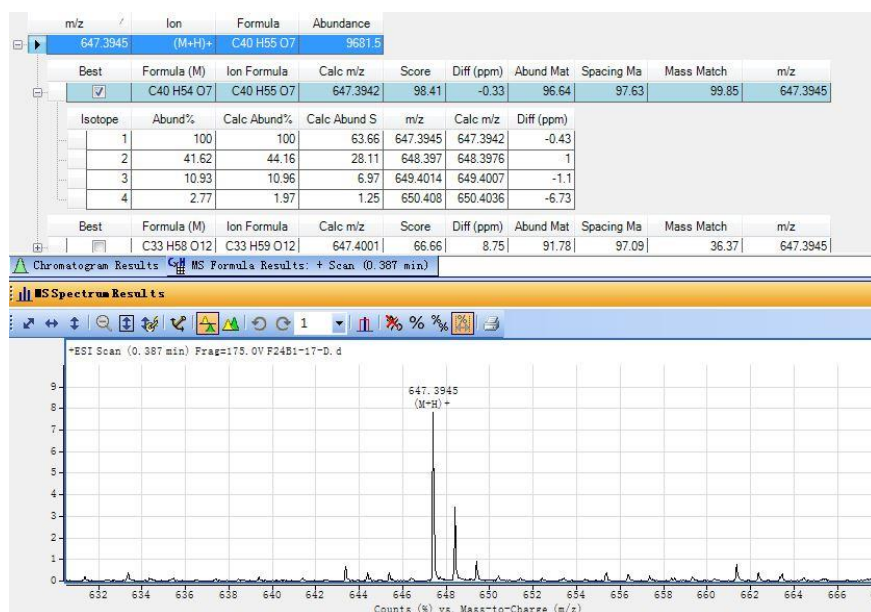


Figure S52. (+)-HRESIMS spectrum of 6

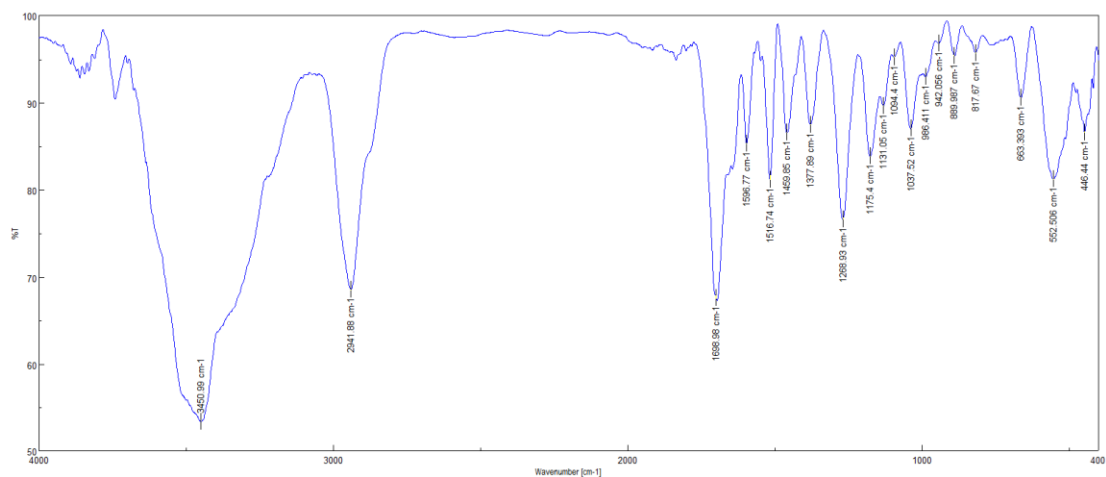


Figure S53. IR spectrum of 6

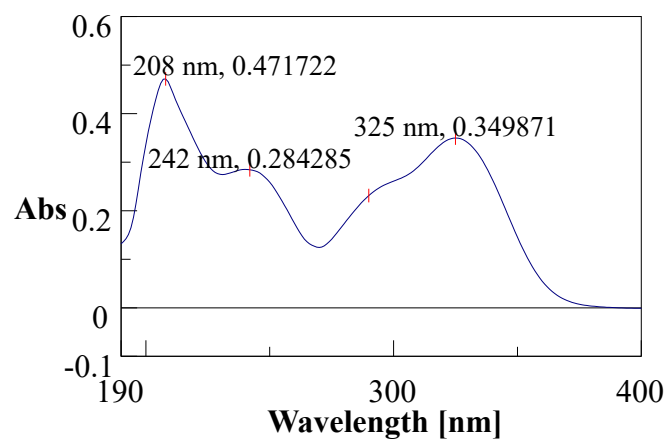


Figure S54. UV spectrum of 6