

## **Adamantyl and homoadamantyl derivatives from *Garcinia multiflora* Fruits**

Yu Chen<sup>‡a</sup>, Ziyu Ma<sup>‡a</sup>, Haida Teng<sup>a</sup>, Fei Gan<sup>a</sup>, Hui Xiong<sup>b</sup>, Zhinan Mei<sup>b\*</sup>,

Guangzhong Yang<sup>b, c\*</sup>

<sup>a</sup> *College of Chemistry and Material Sciences, South-Central University for Nationalities, Wuhan 430074, P. R. China*

<sup>b</sup> *School of Pharmaceutical Sciences, South-Central University for Nationalities, Wuhan 430074, P. R. China*

<sup>c</sup> *National Demonstration Center for Experimental Ethnopharmacology Education (South-Central University for Nationalities), Wuhan 430074, P. R. China*

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<sup>‡</sup> These authors contributed equally to this work.

\*Corresponding authors. Tel./fax: +86 27 6784 1196

E-mail address: meizhinan@163.com (Z. Mei); yanggz888@126.com (G. Yang)

## **Electronic Supplementary Information**

- 1. Spectra of compound 1**
- 2. Spectra of compound 2**
- 3. Spectra of compound 3**
- 4. Spectra of compound 4**
- 5. Spectra of compounds 5 and 6**
- 6. Spectra of compound 7**
- 7. Spectra of compound 8**
- 8. Spectra of compound 9**

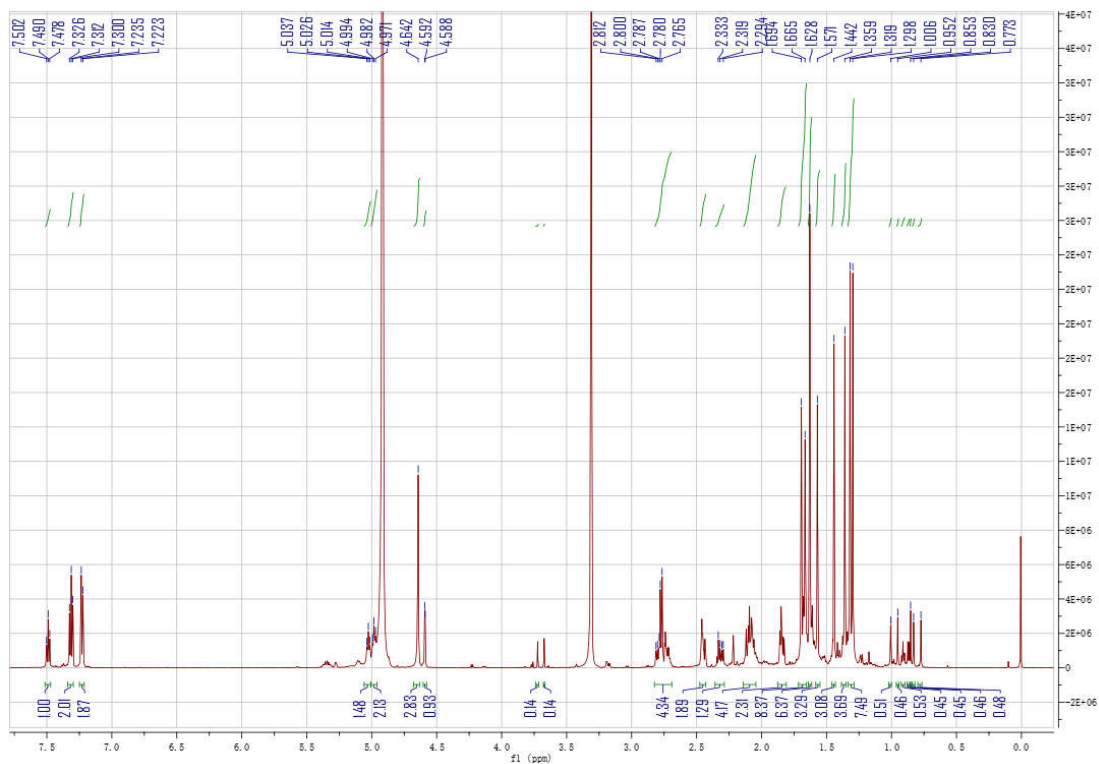


Fig 1. The  $^1\text{H-NMR}$  spectrum of 1

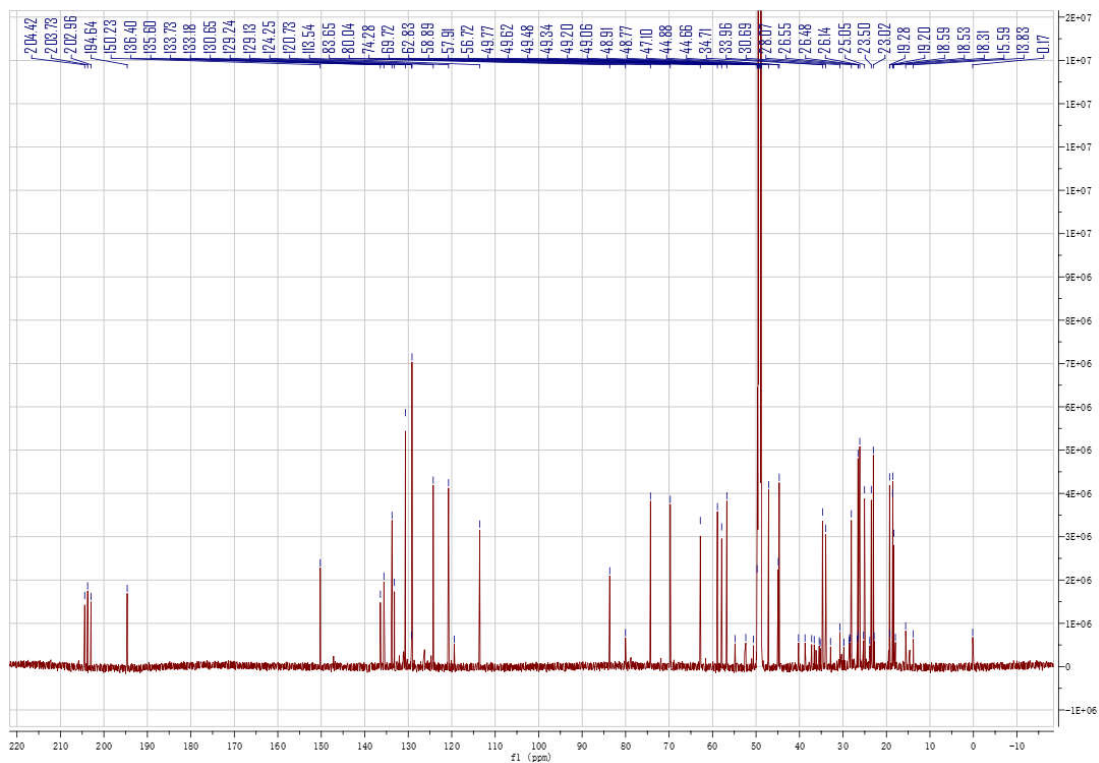


Fig 2. The  $^{13}\text{C-NMR}$  spectrum of 1

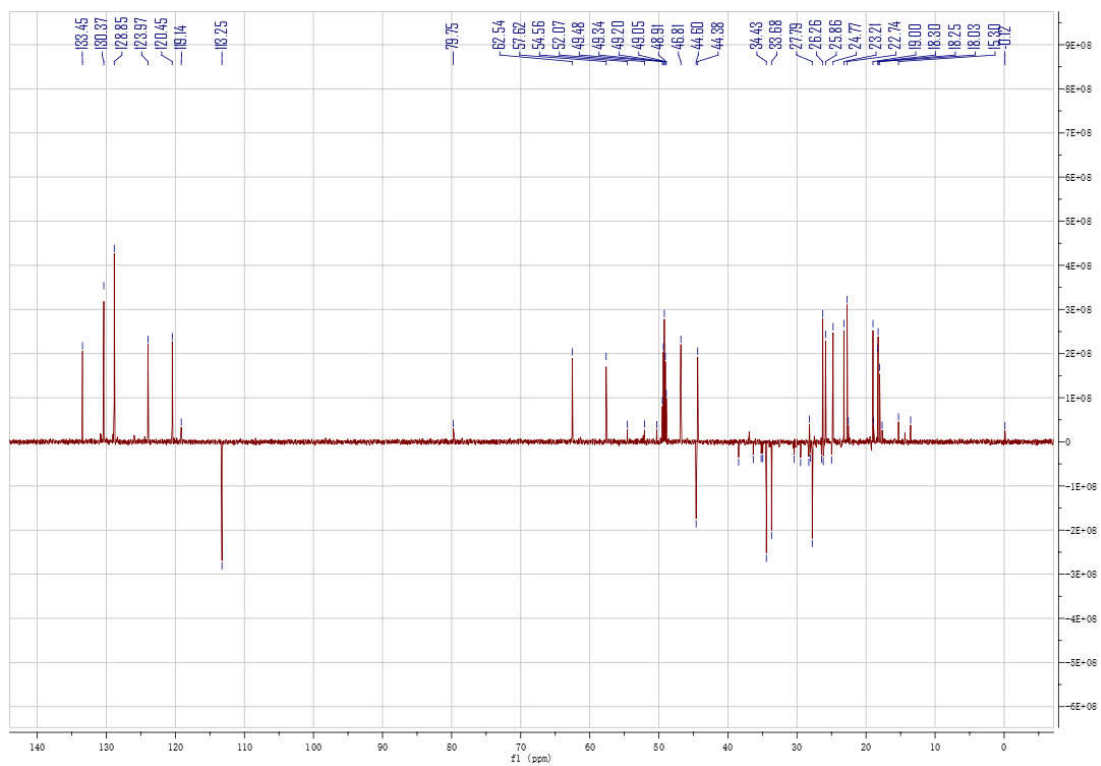


Fig 3.  $^{13}\text{C}$ -NMR-DEPT spectrum of 1

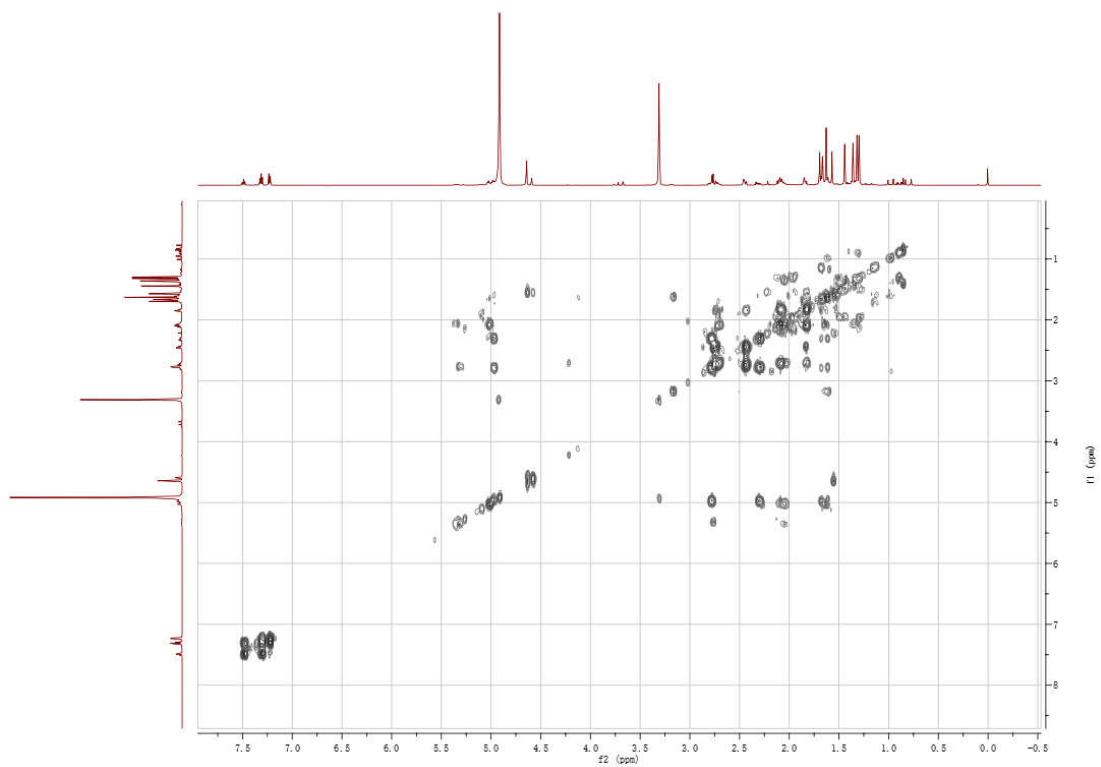
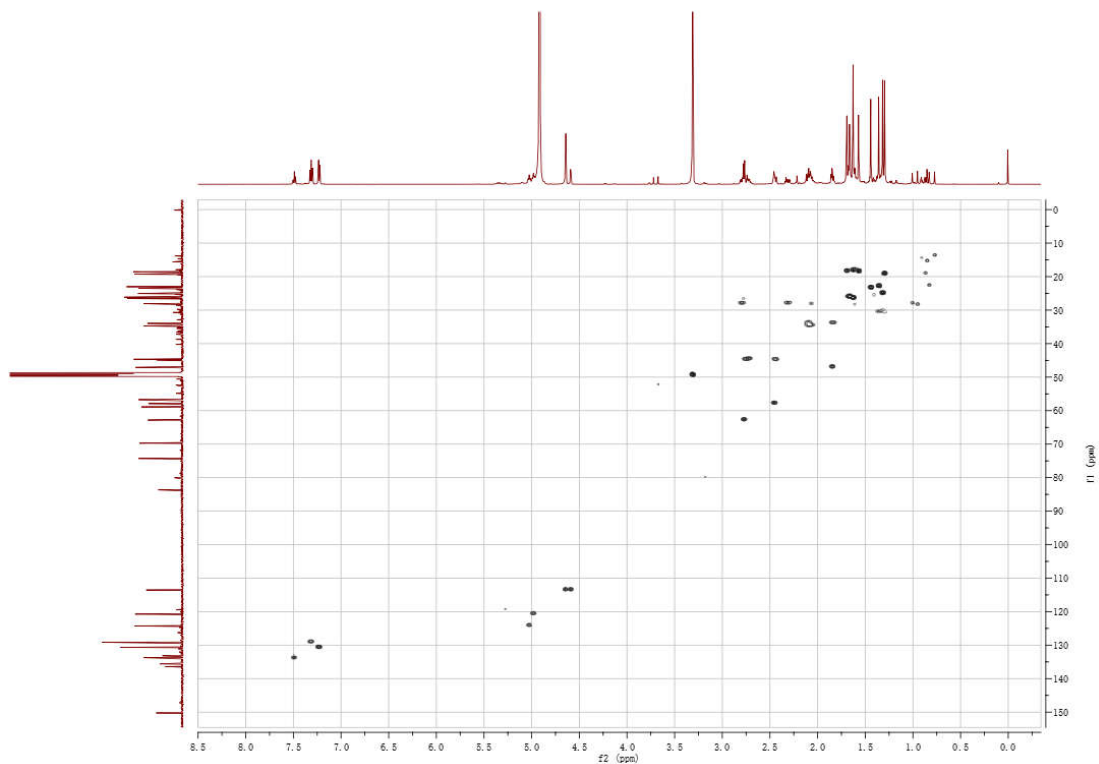
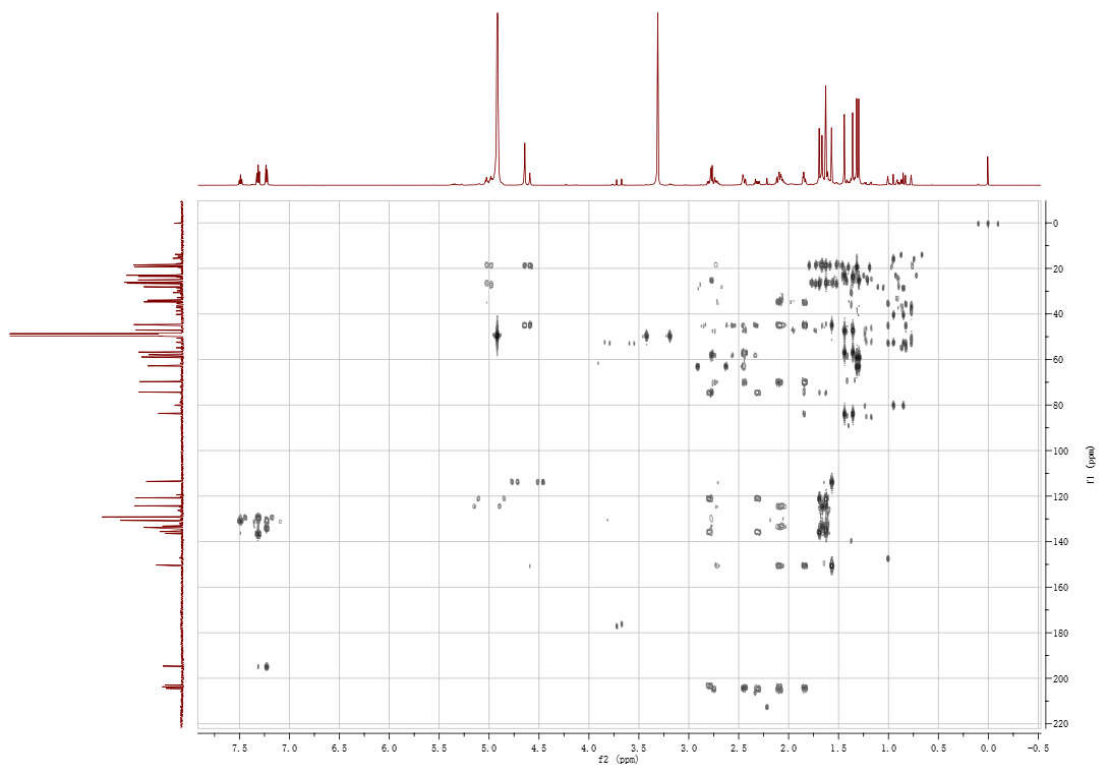


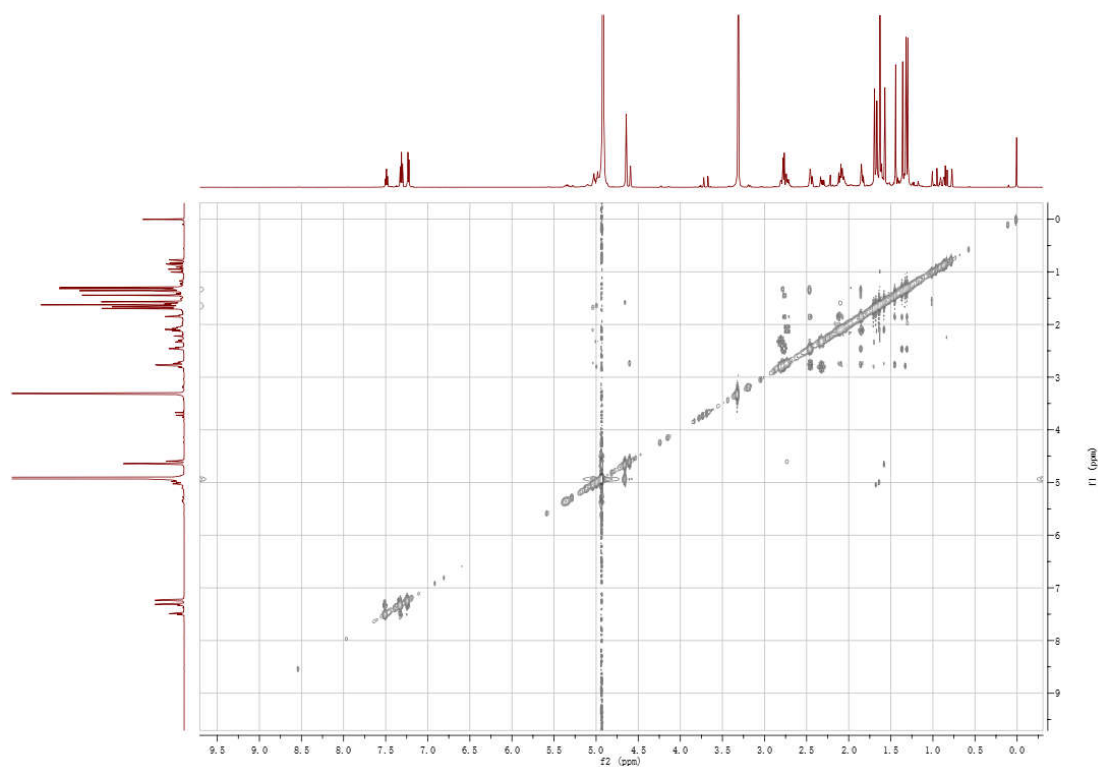
Fig 4.  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of 1



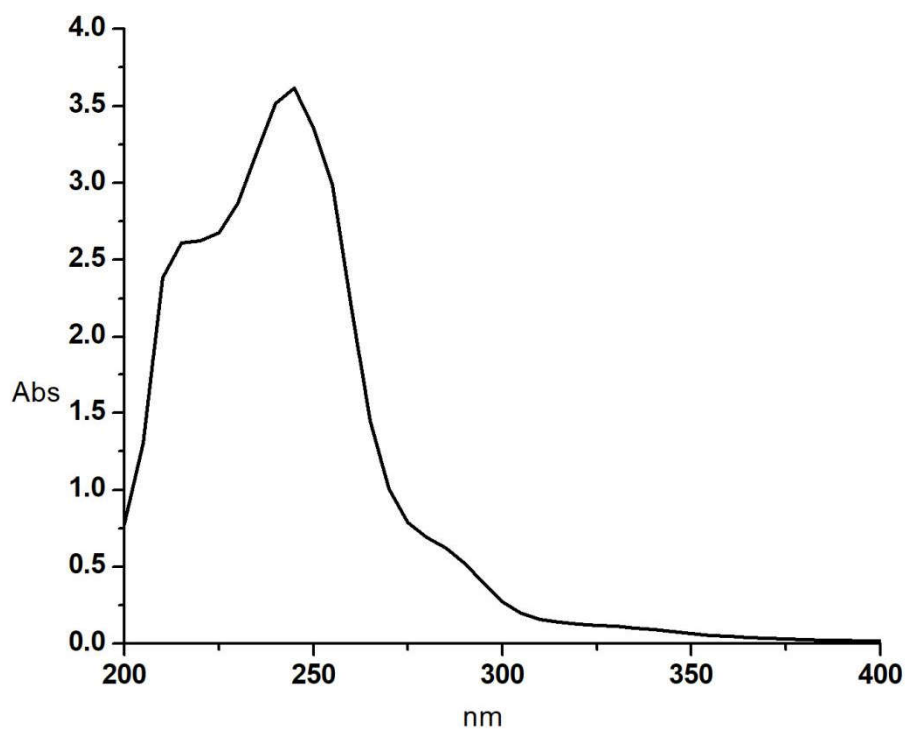
**Fig 5. HSQC spectrum of 1**



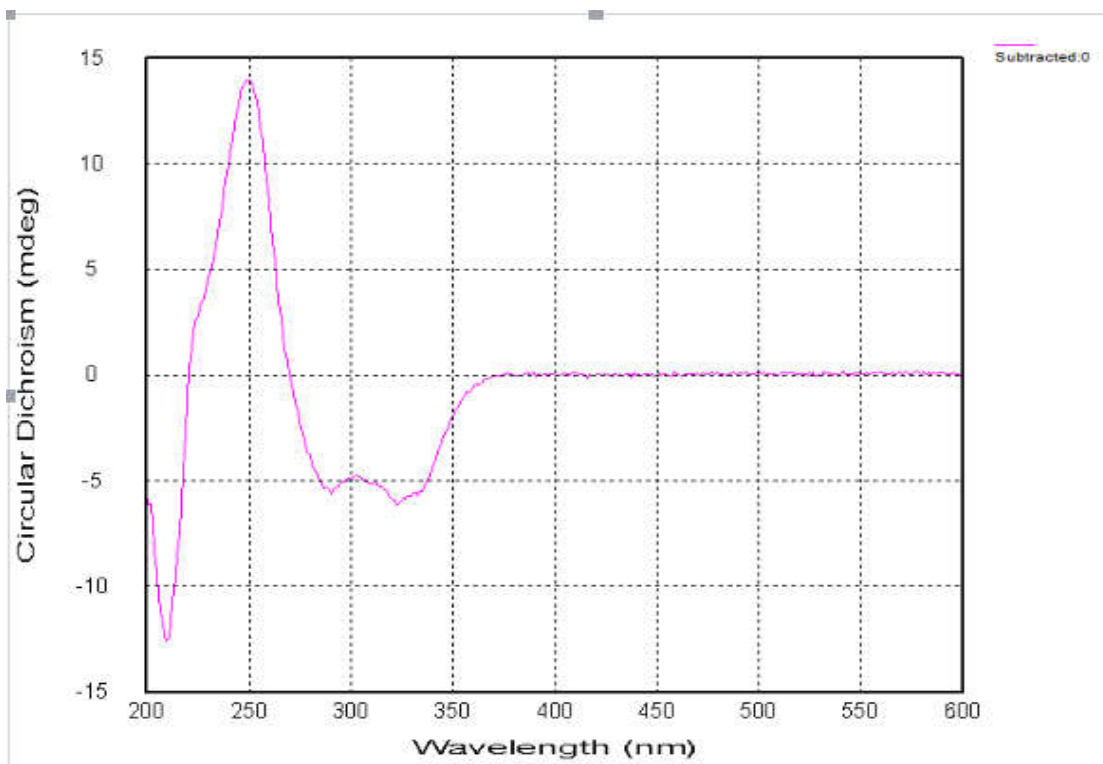
**Fig 6. HMBC spectrum of 1**



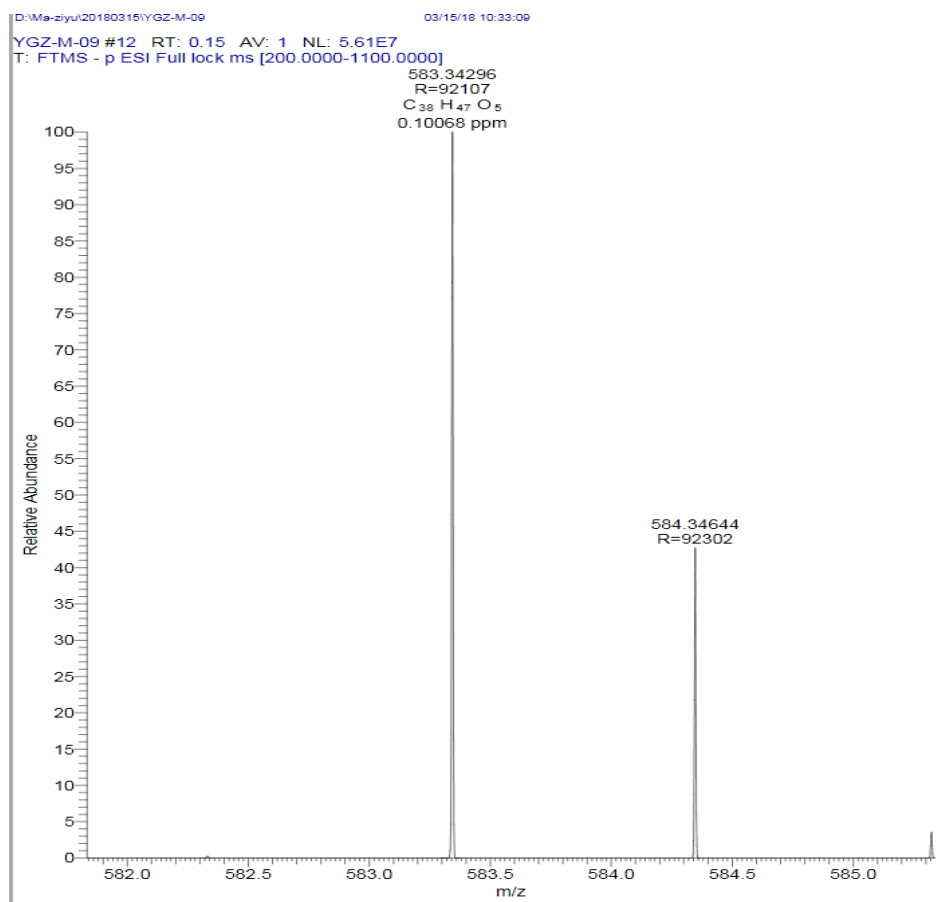
**Fig 7. ROESY spectrum of 1**



**Fig 8. UV spectrum of 1**



**Fig 9. CD spectrum of 1**



**Fig 10. HR-ESI-MS of 1**

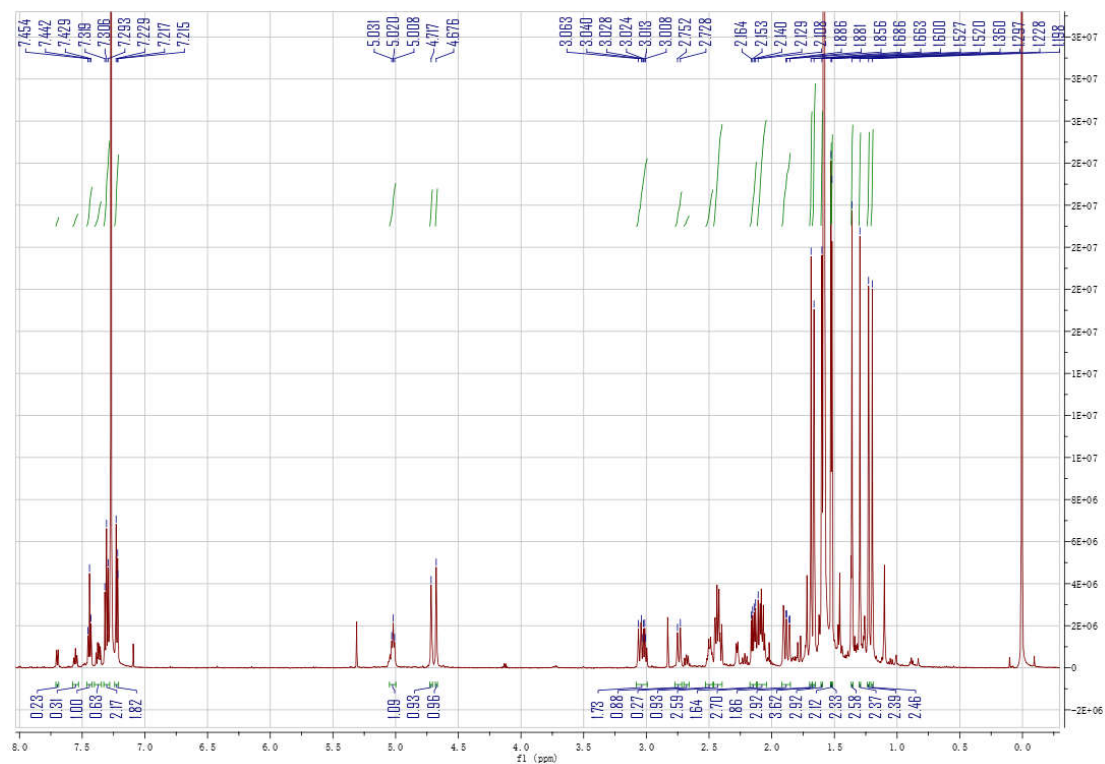


Fig 11. The  $^1\text{H}$ -NMR spectrum of 2

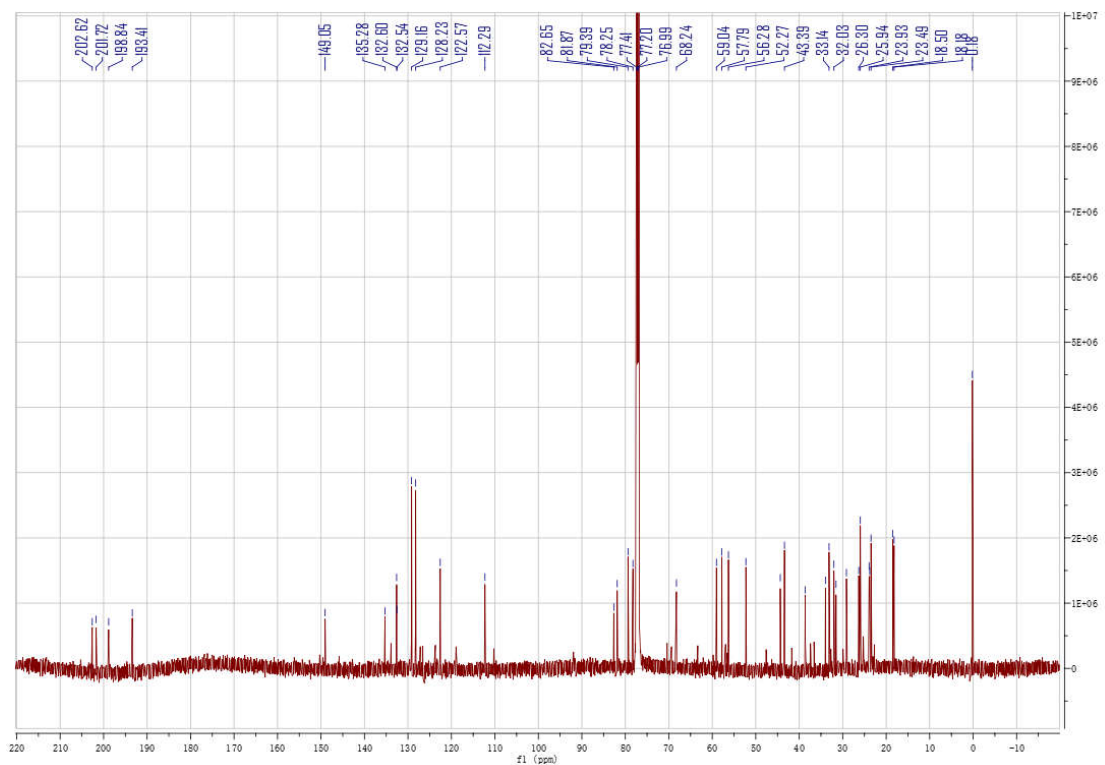


Fig 12. The  $^{13}\text{C}$ -NMR spectrum of 2



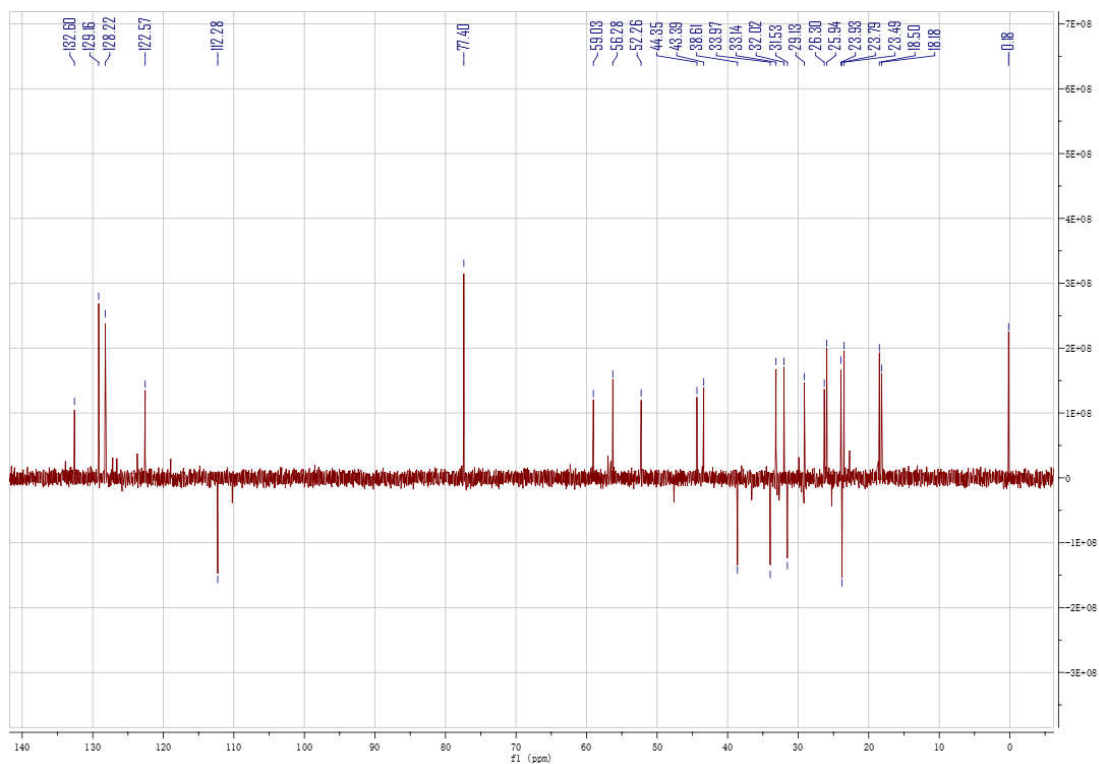


Fig 13.  $^{13}\text{C}$ -NMR-DEPT spectrum of 2

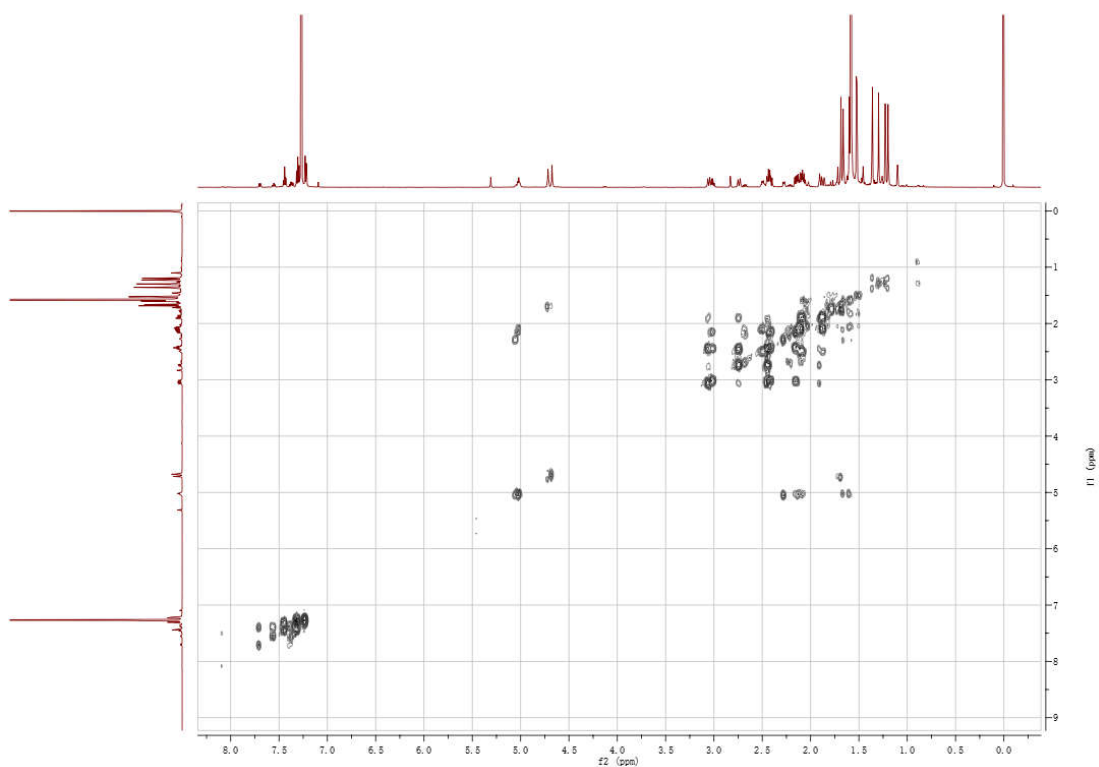
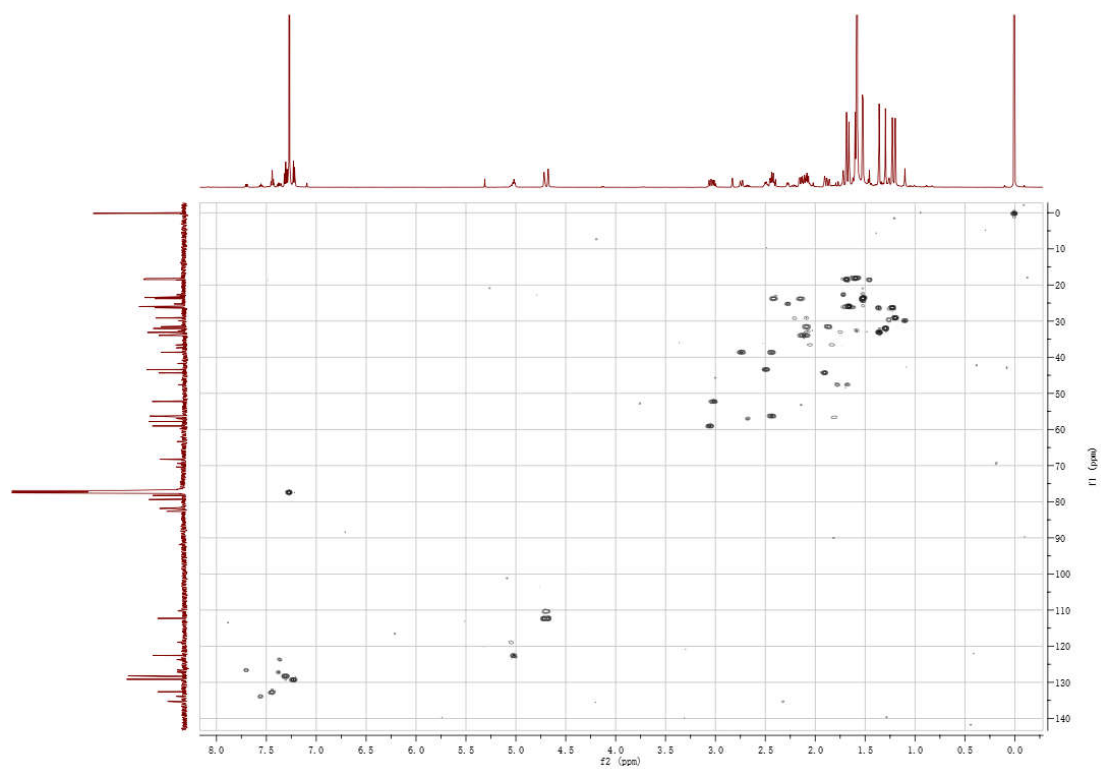
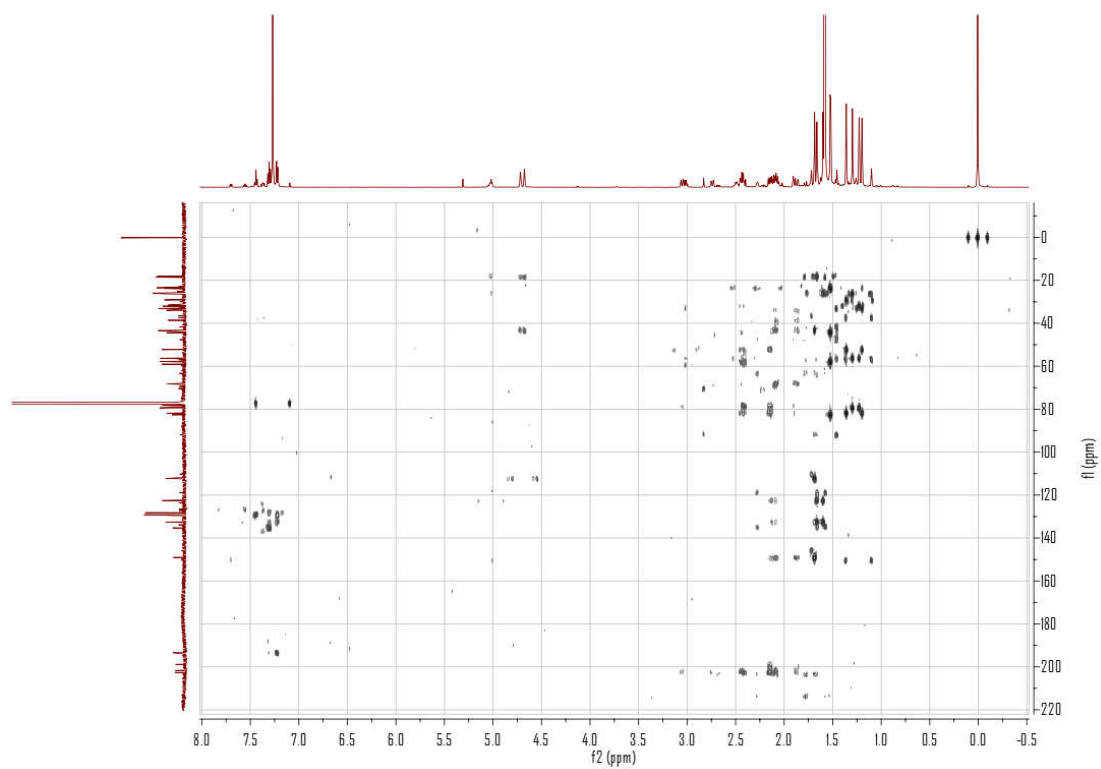


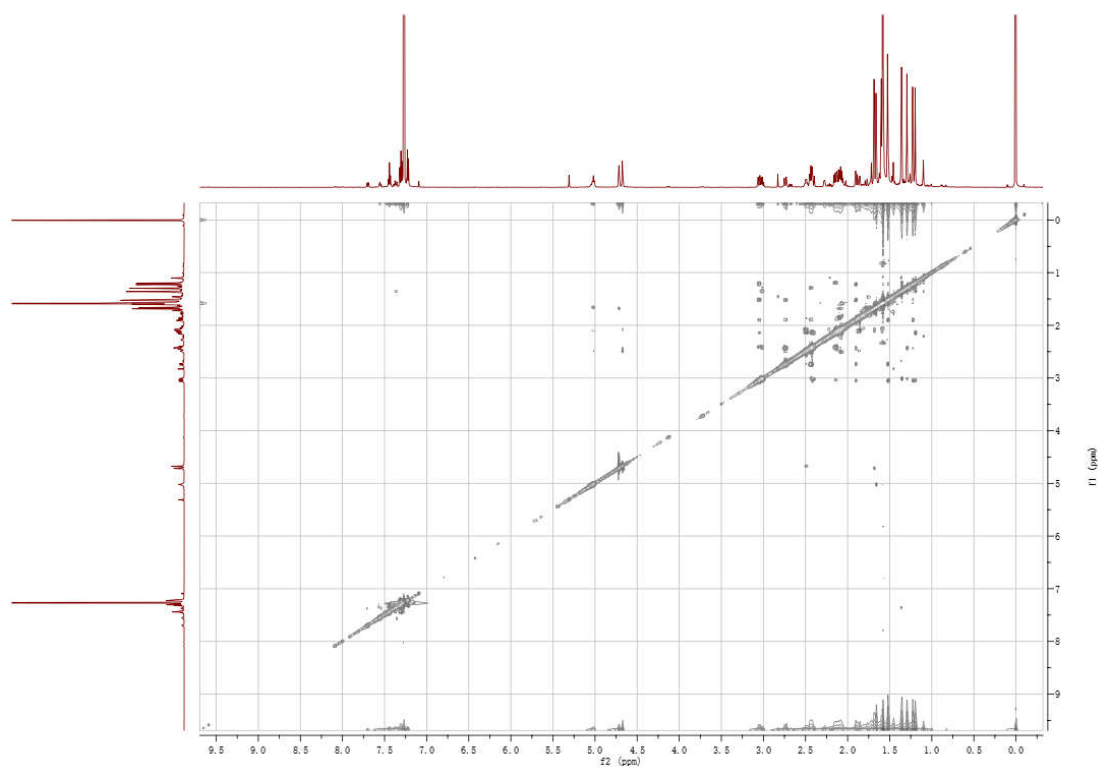
Fig 14.  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of 2



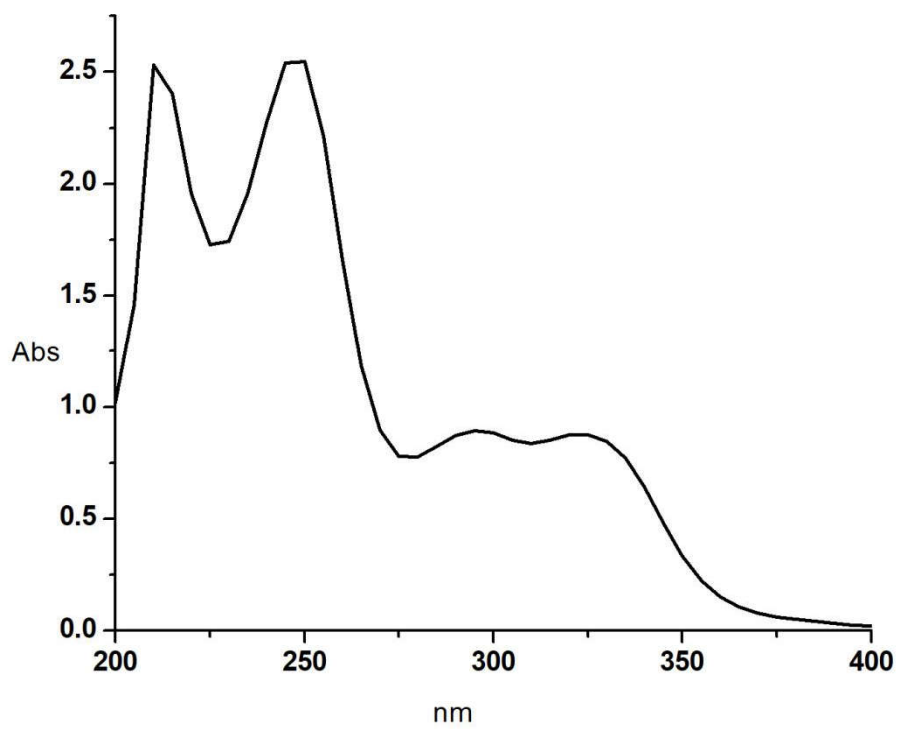
**Fig 15. HSQC spectrum of 2**



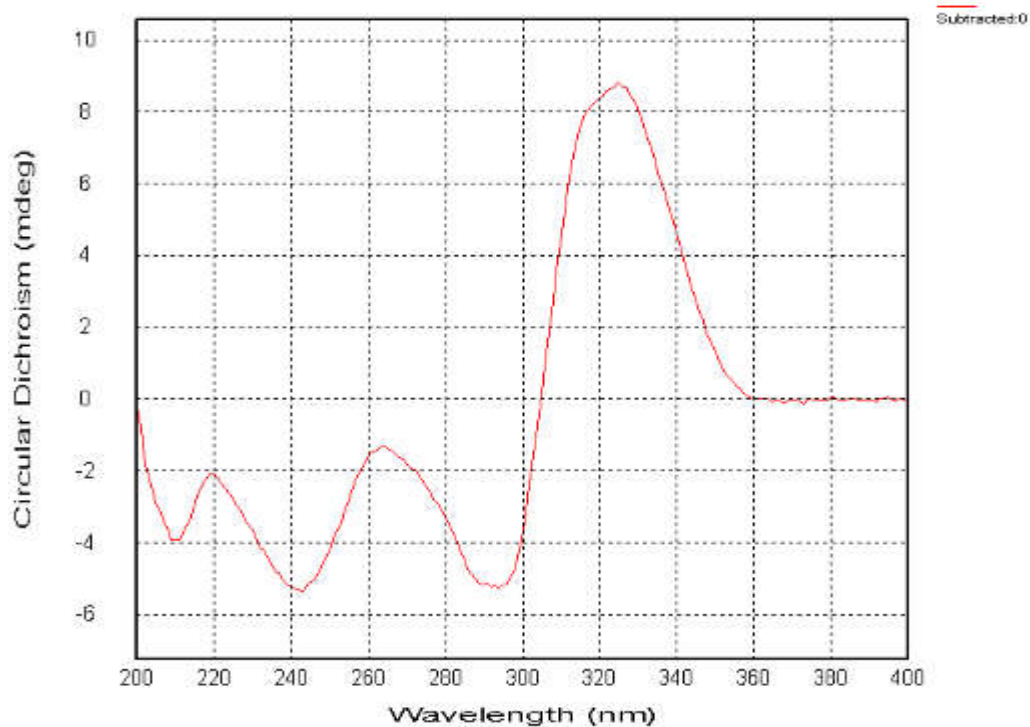
**Fig 16. HMBC spectrum of 2**



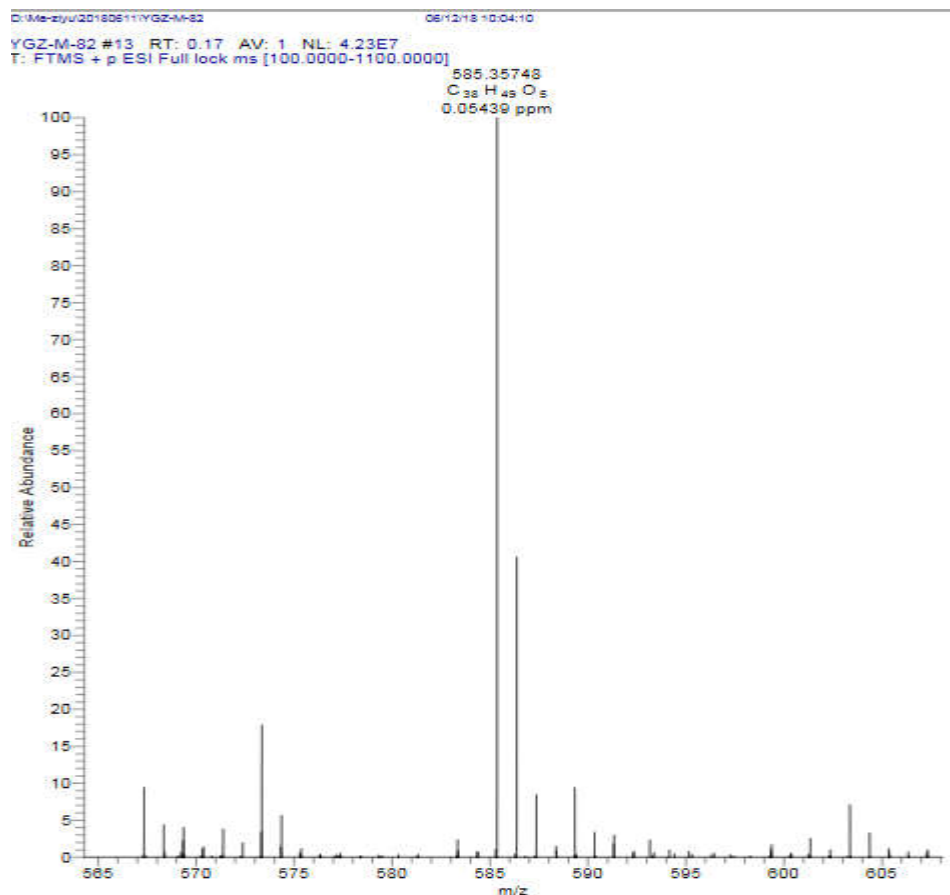
**Fig 17. ROESY spectrum of 2**



**Fig 18. UV spectrum of 2**



**Fig 19. CD spectrum of 2**



**Fig 20. HR-ESI-MS of 2**

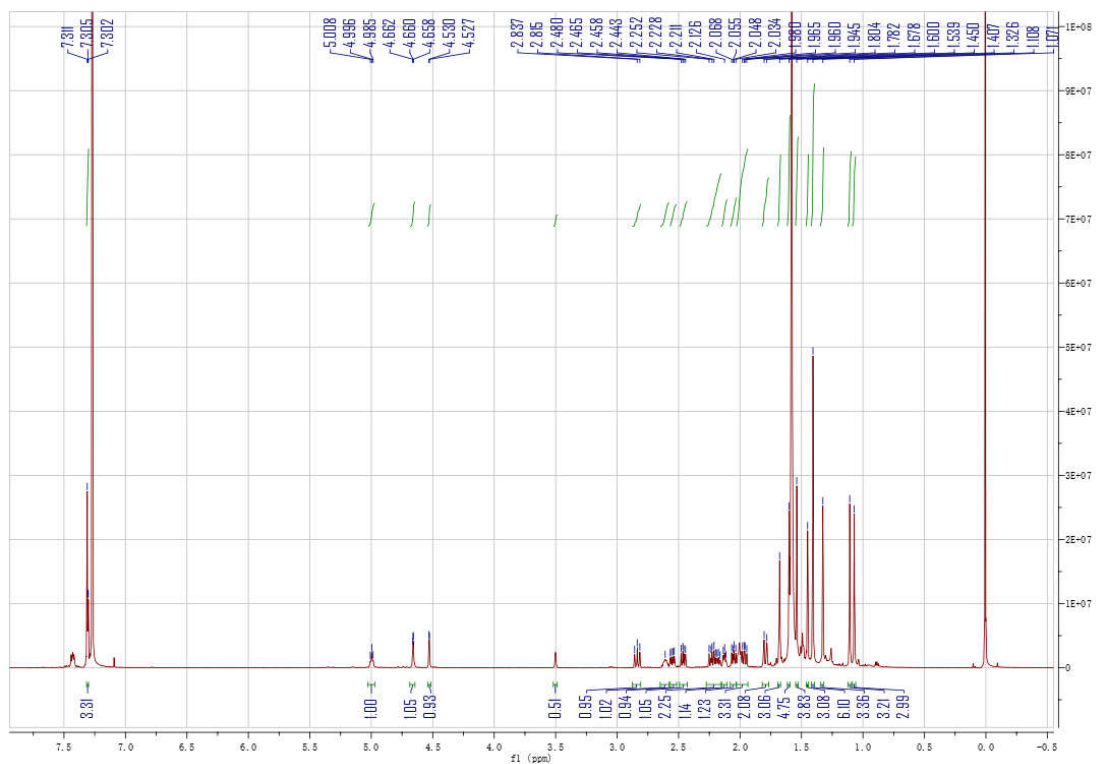


Fig 21. The  $^1\text{H}$ -NMR spectrum of 3

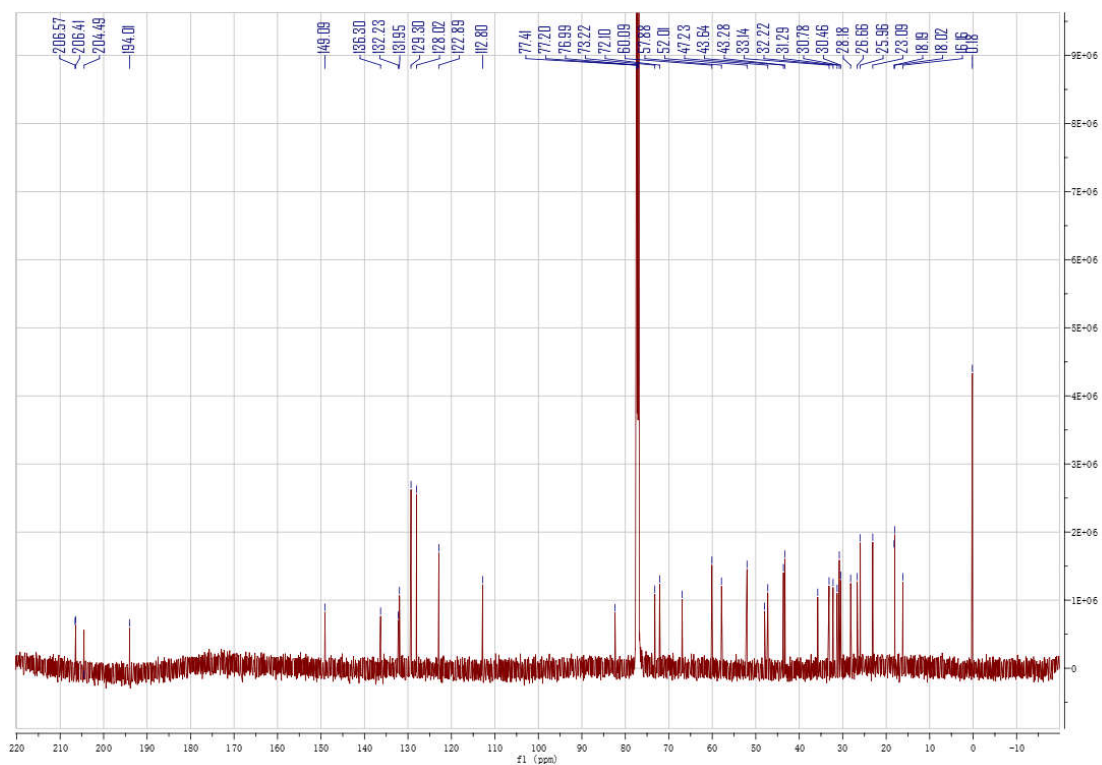


Fig 22. The  $^{13}\text{C}$ -NMR spectrum of 3

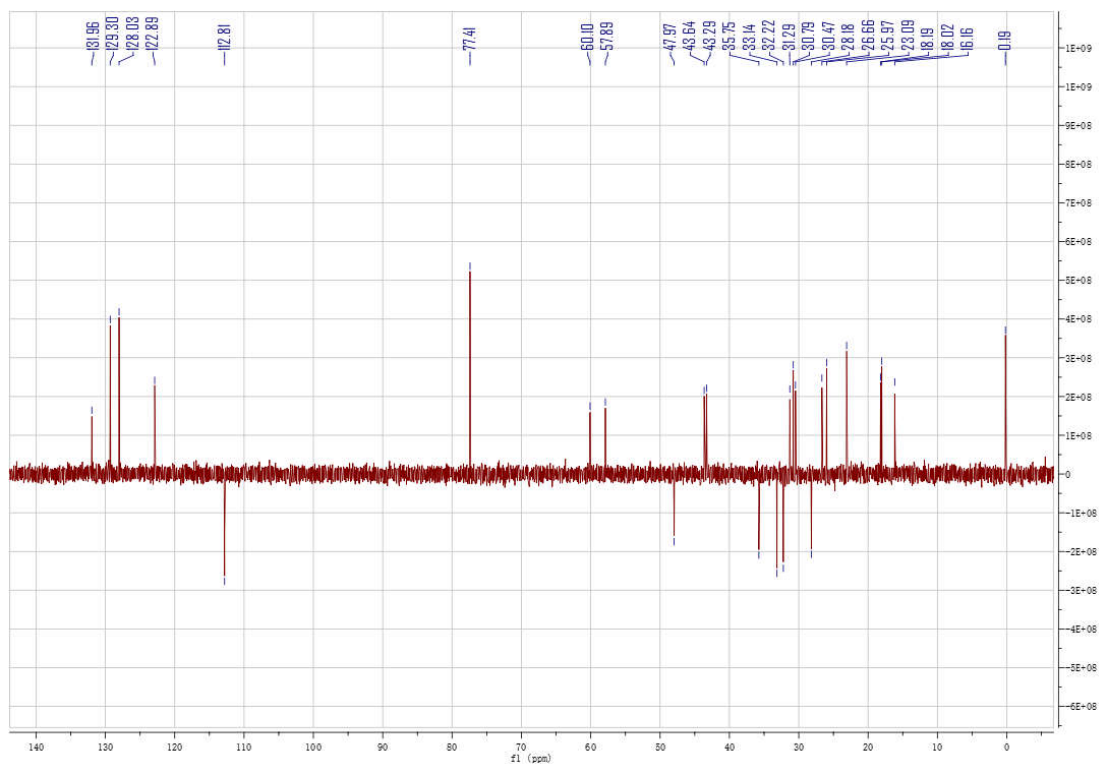


Fig 23.  $^{13}\text{C}$ -NMR-DEPT spectrum of 3

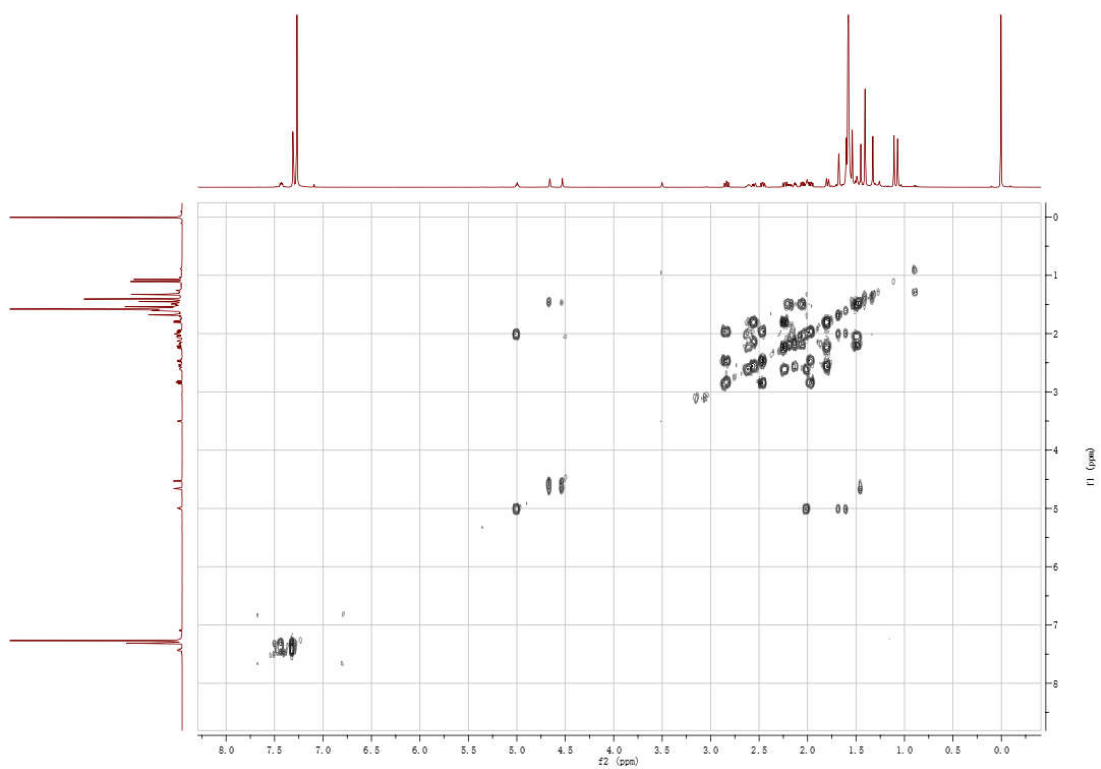
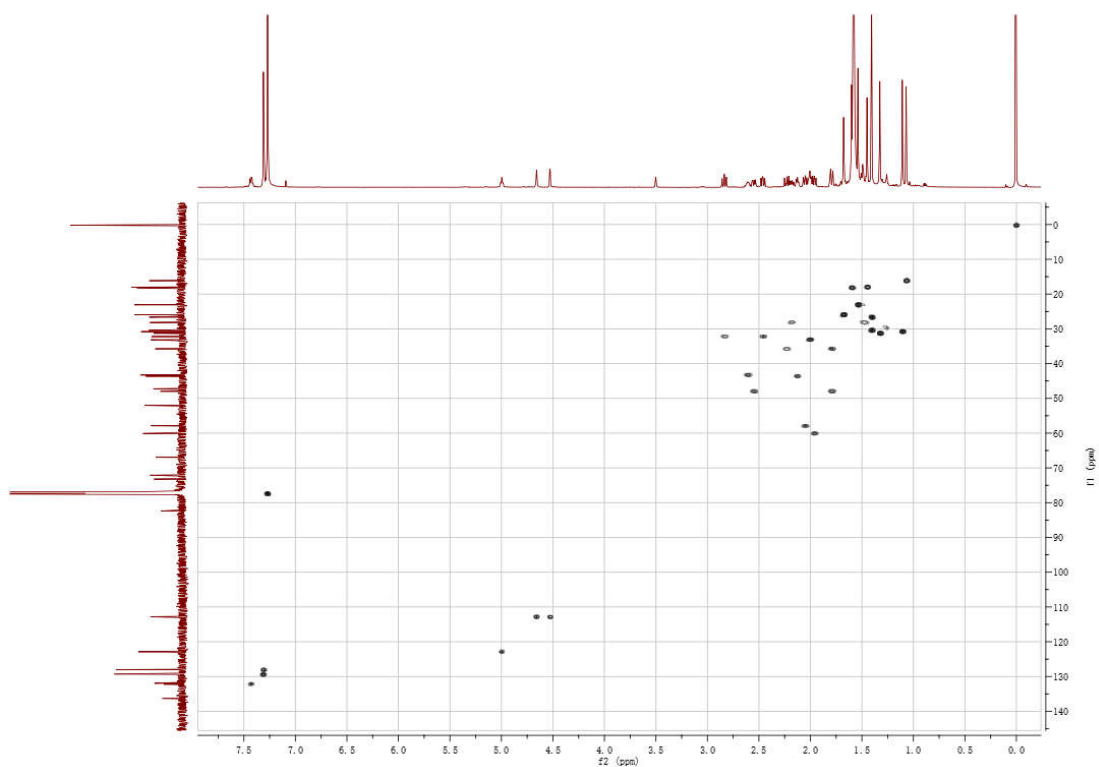
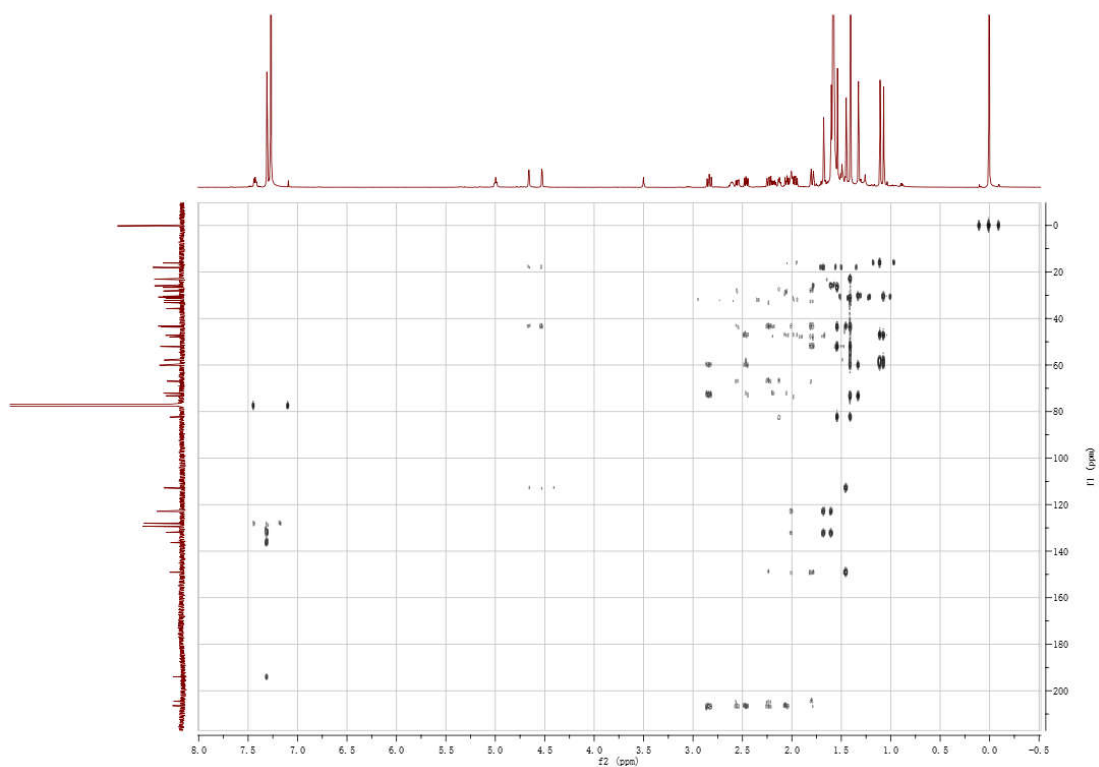


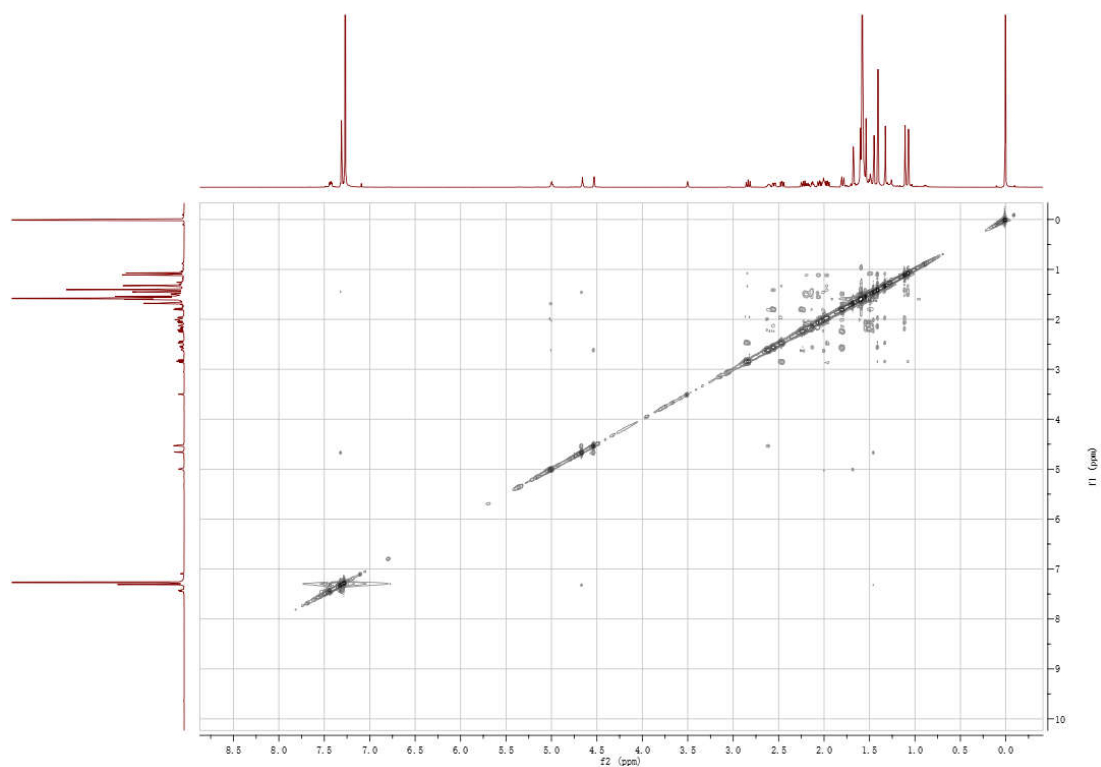
Fig 24.  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of 3



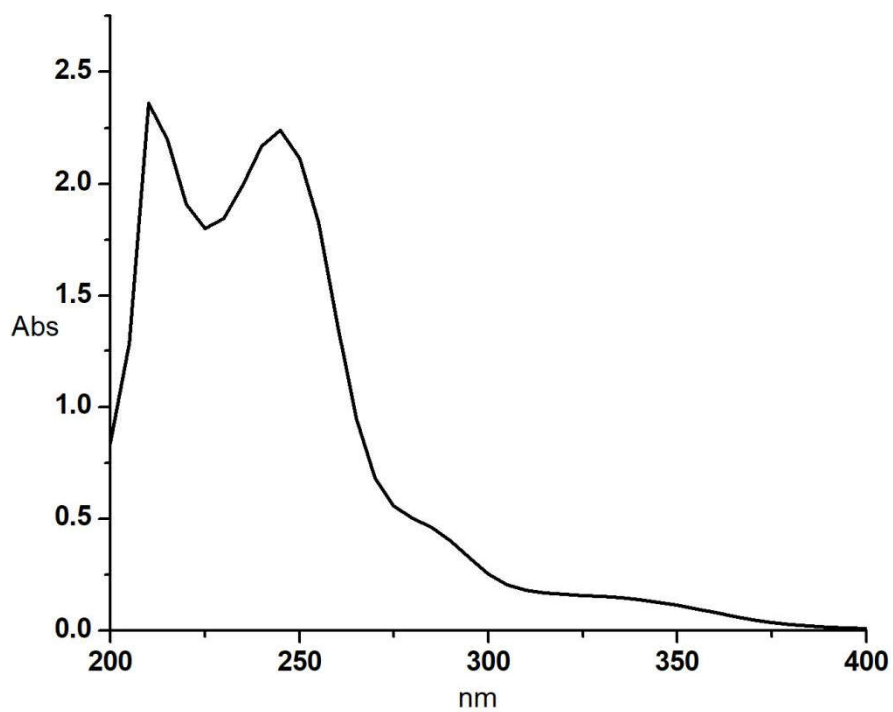
**Fig 25. HSQC spectrum of 3**



**Fig 26. HMBC spectrum of 3**



**Fig 27. ROESY spectrum of 3**



**Fig 28. UV spectrum of 3**



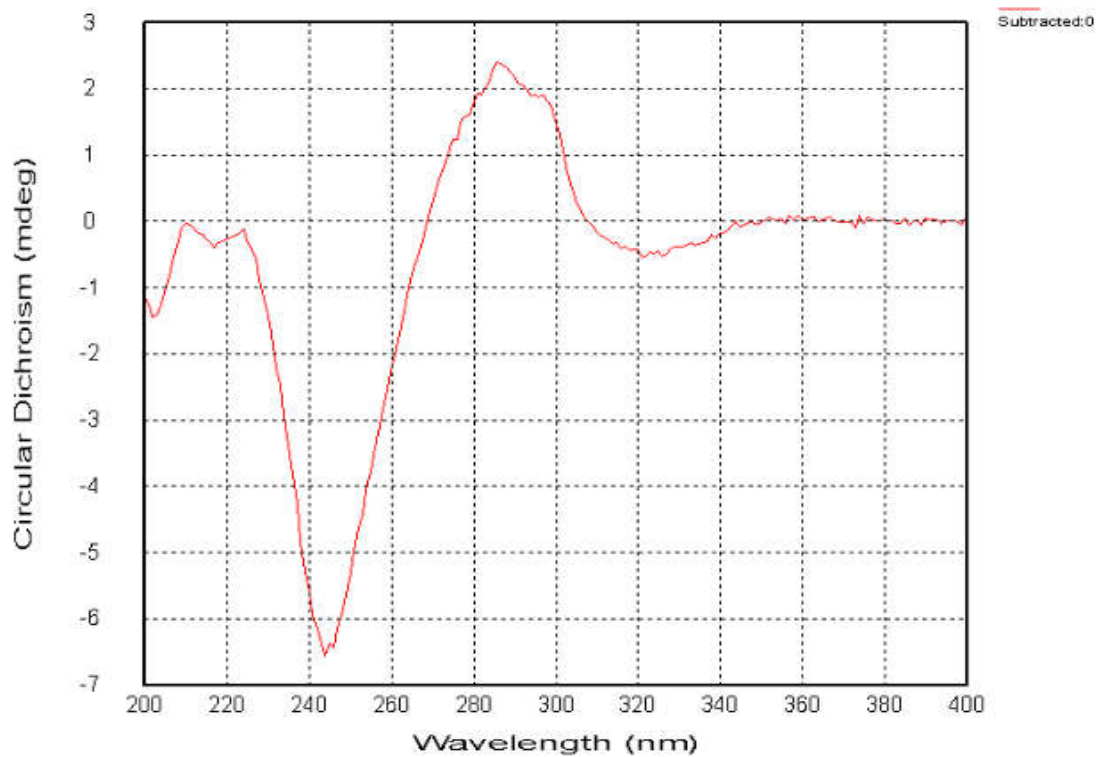


Fig 29. CD spectrum of 3

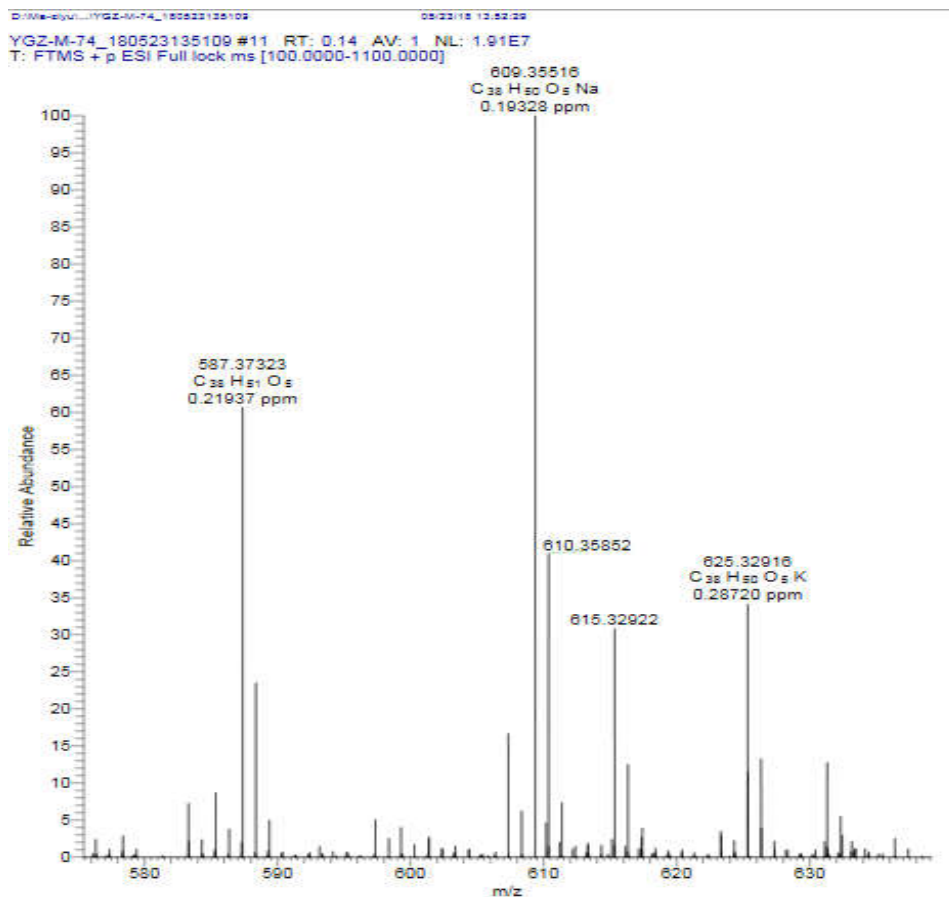


Fig 30. HR-ESI-MS of 3

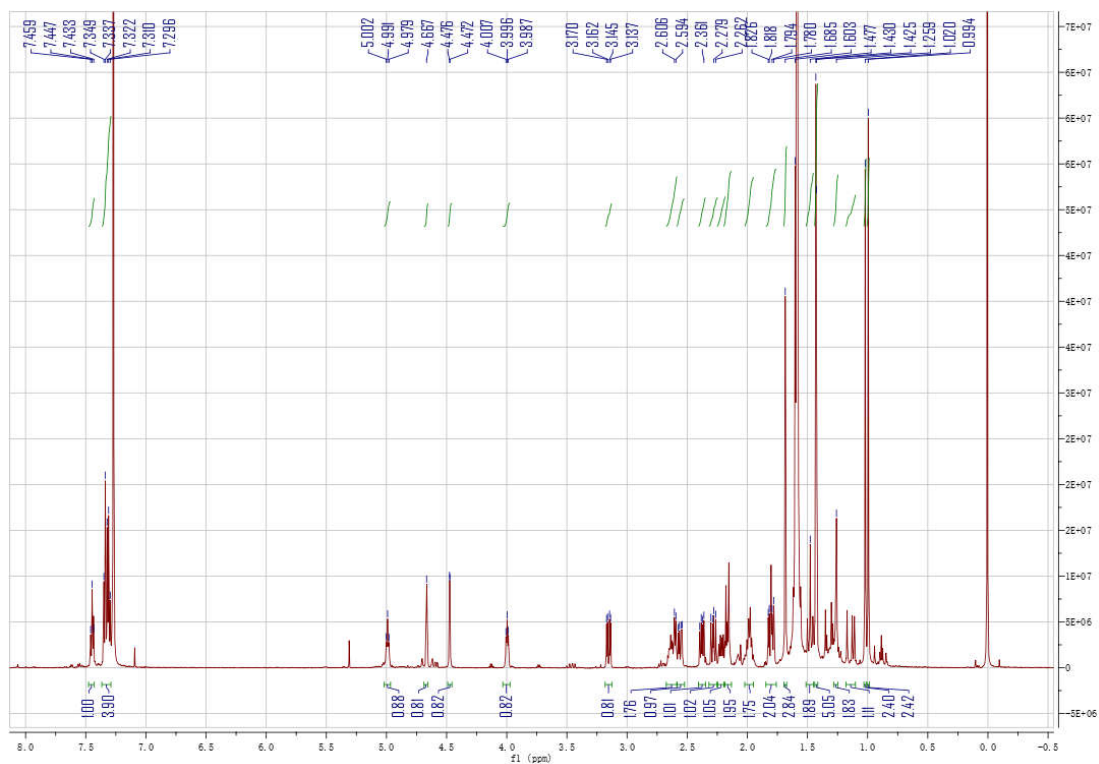


Fig 31. The  $^1\text{H}$ -NMR spectrum of 4

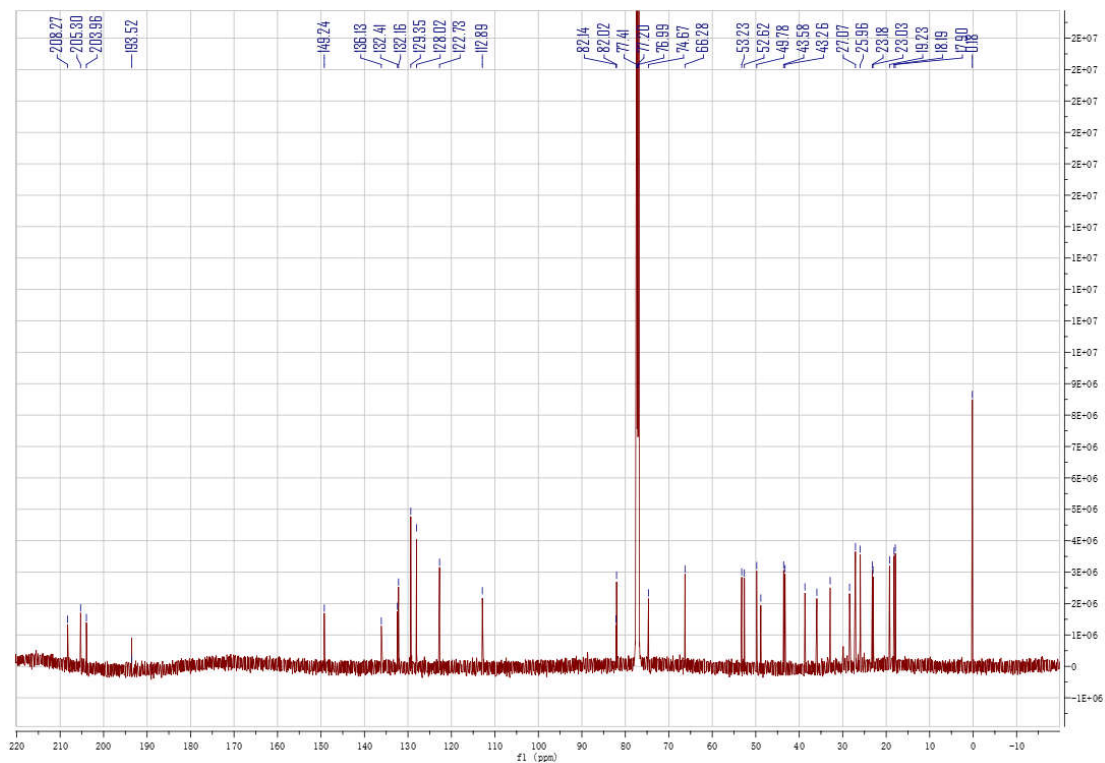


Fig 32. The  $^{13}\text{C}$ -NMR spectrum of 4

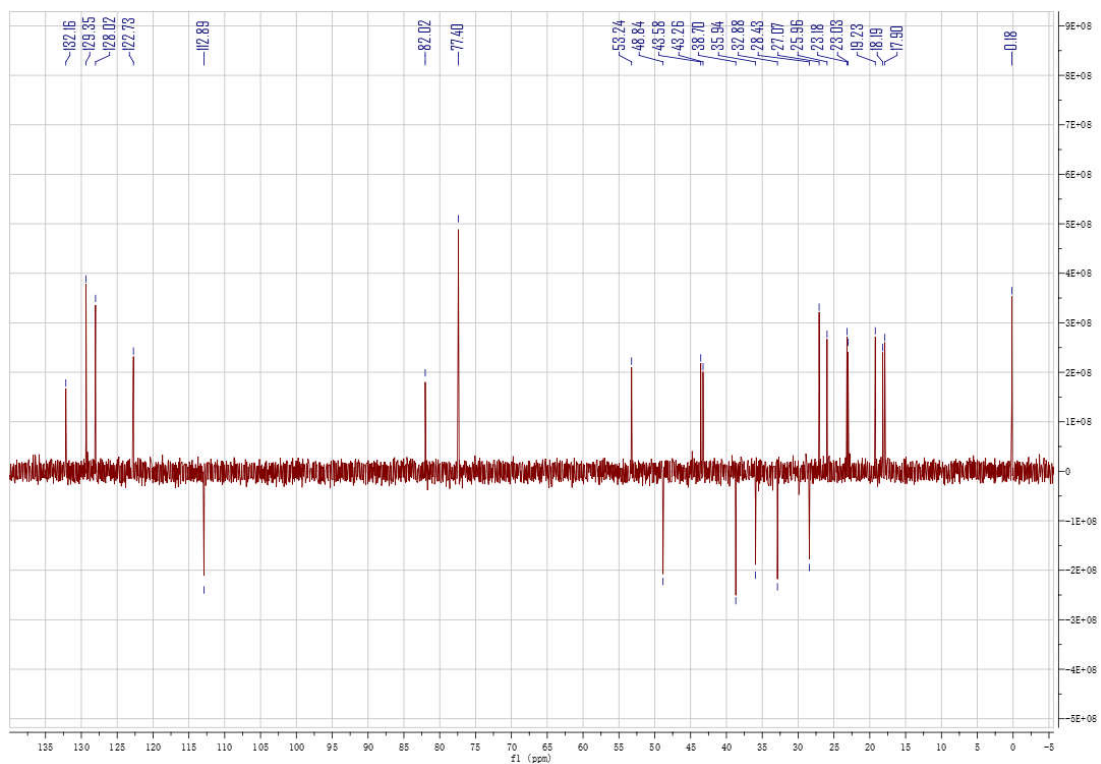


Fig 33.  $^{13}\text{C}$ -NMR-DEPT spectrum of 4

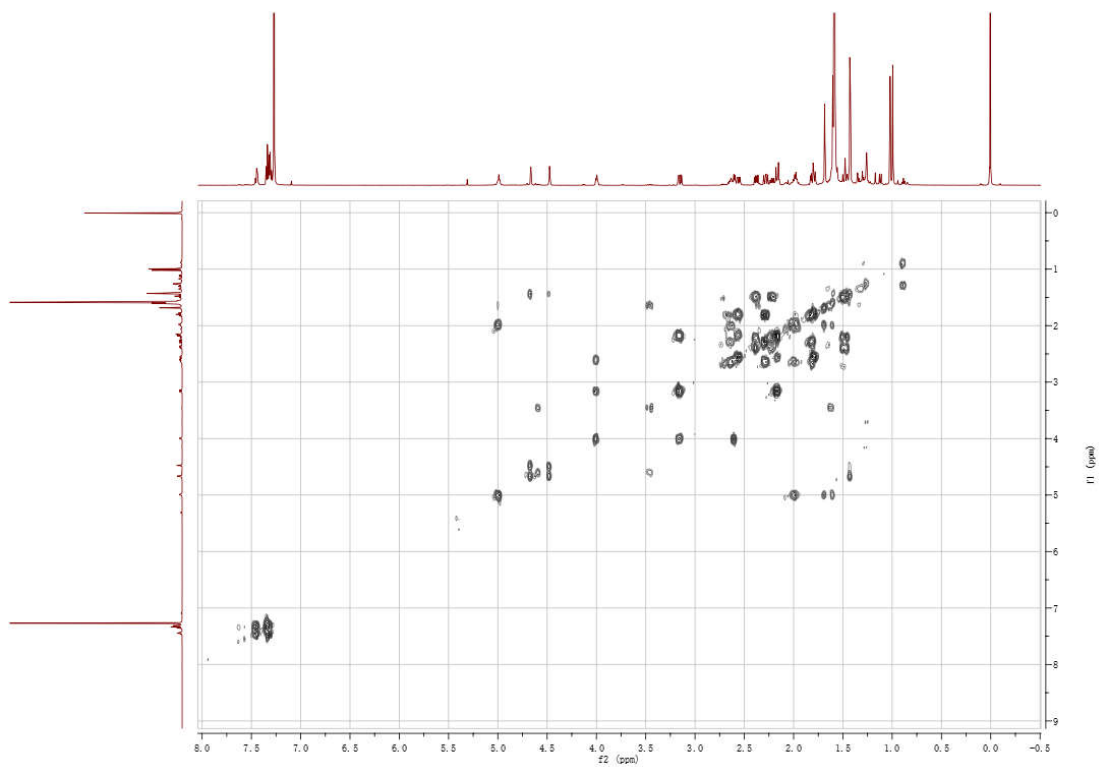
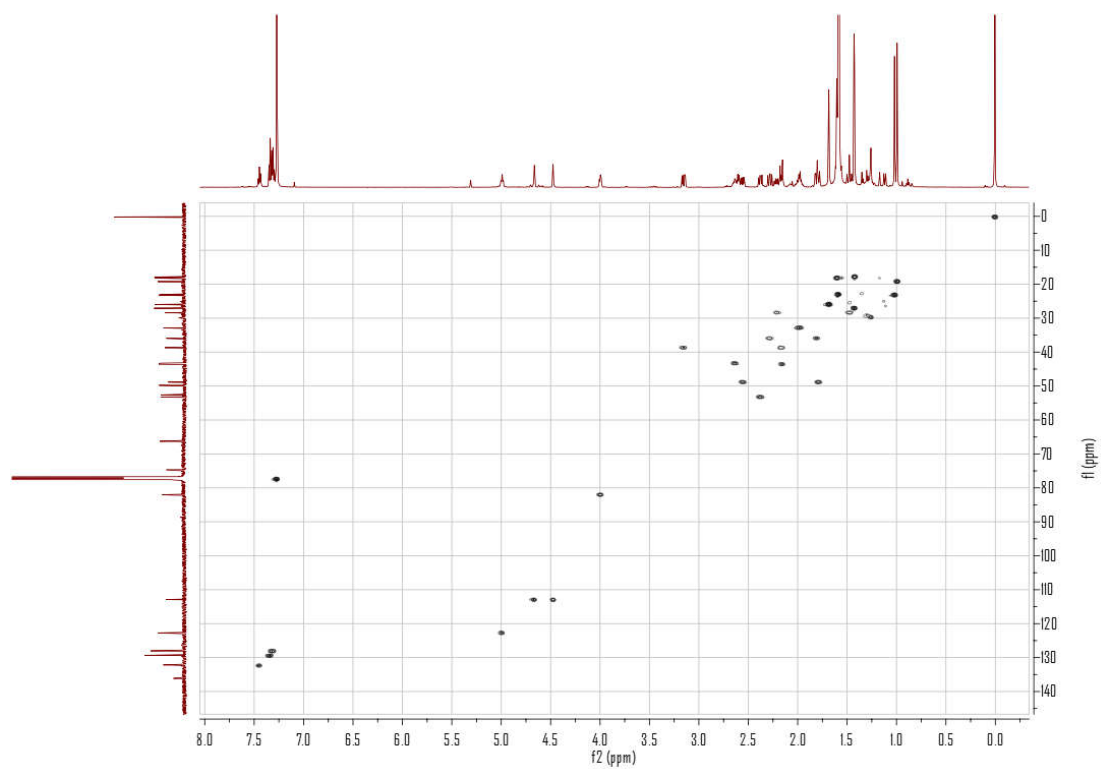
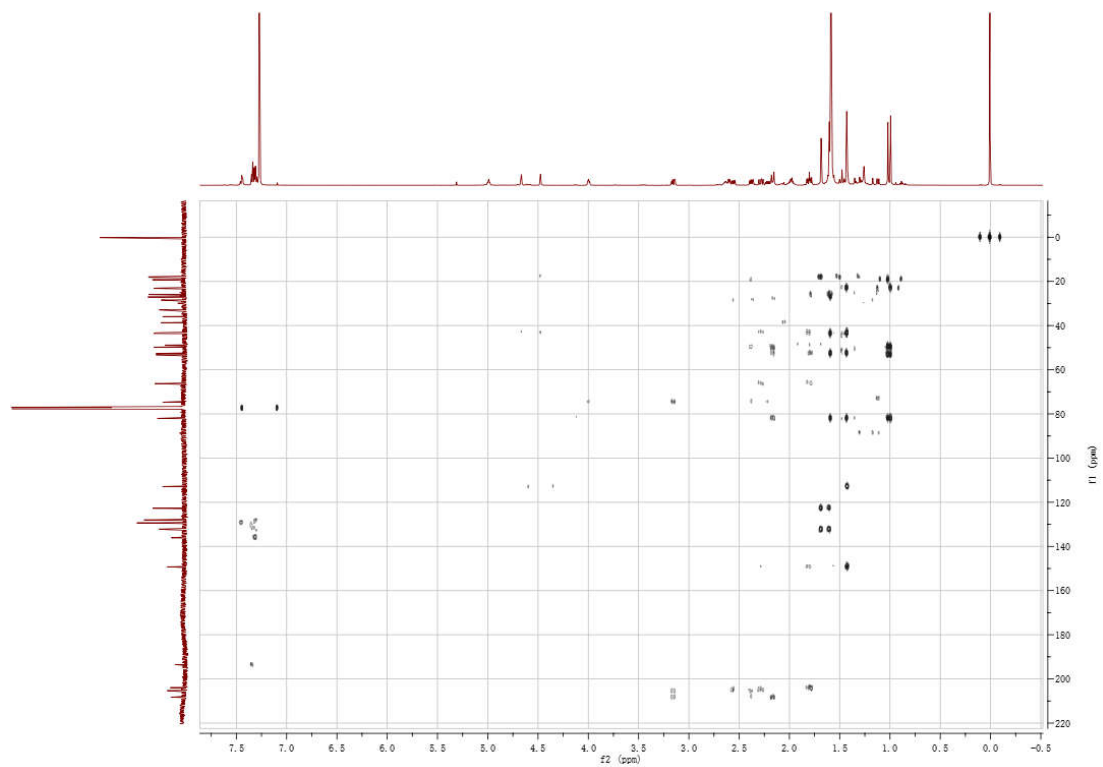


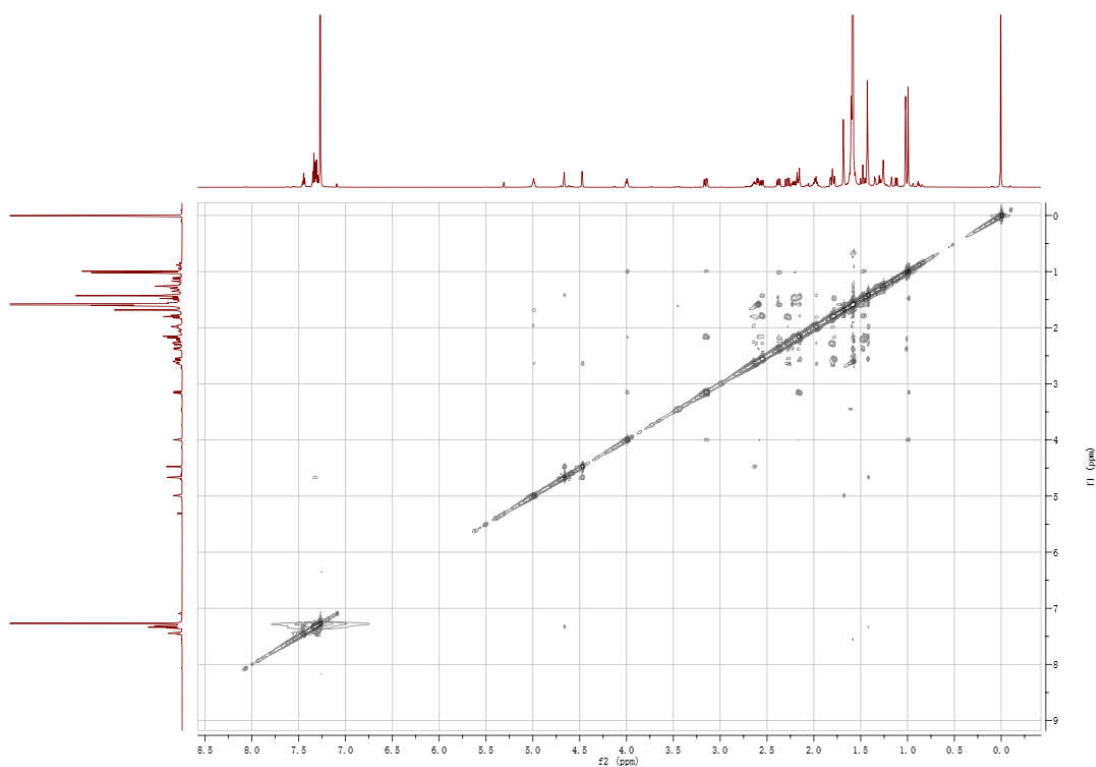
Fig 34.  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of 4



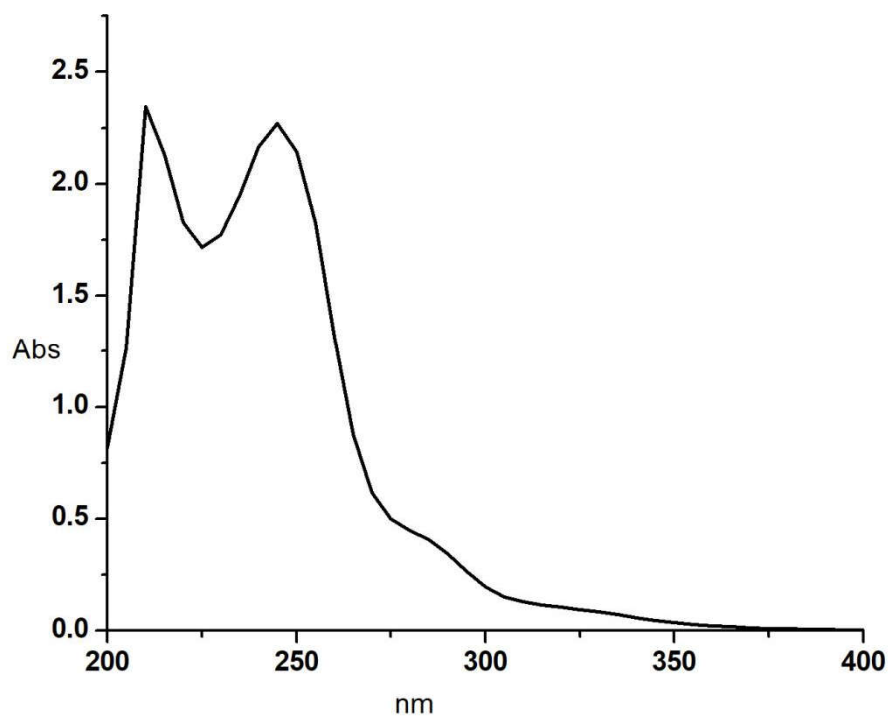
**Fig 35. HSQC spectrum of 4**



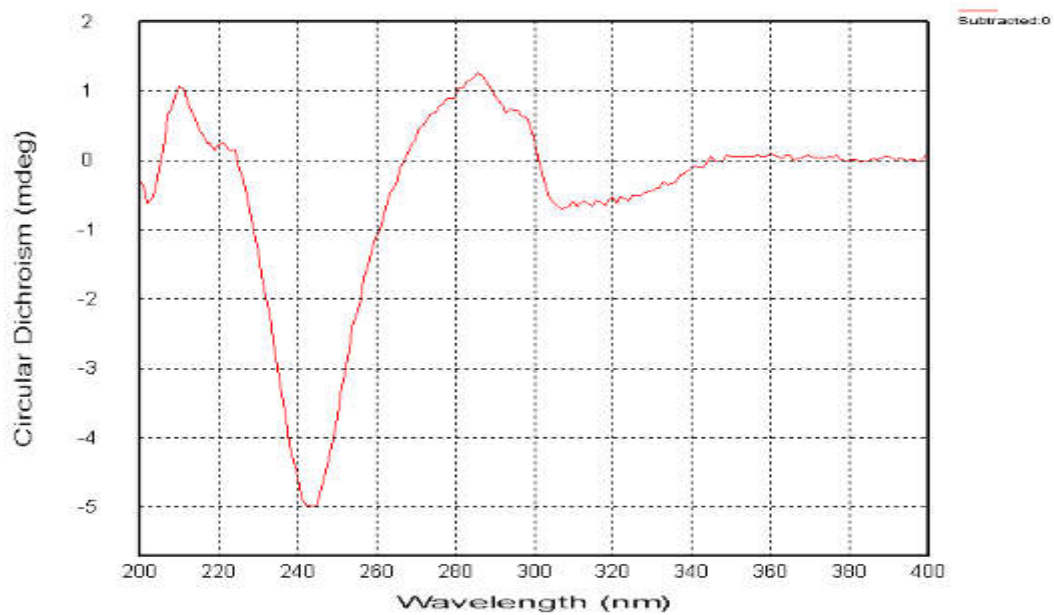
**Fig 36. HMBC spectrum of 4**



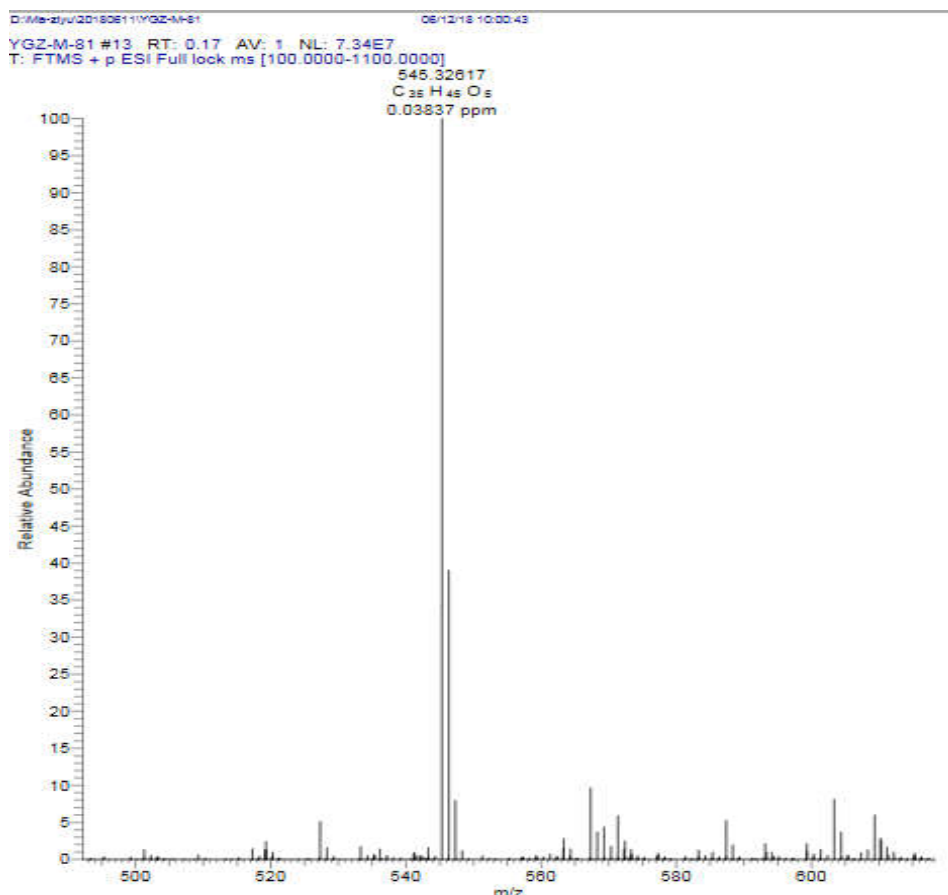
**Fig 37. ROESY spectrum of 4**



**Fig 38. UV spectrum of 4**



**Fig 39. CD spectrum of 4**



**Fig 40. HR-ESI-MS of 4**

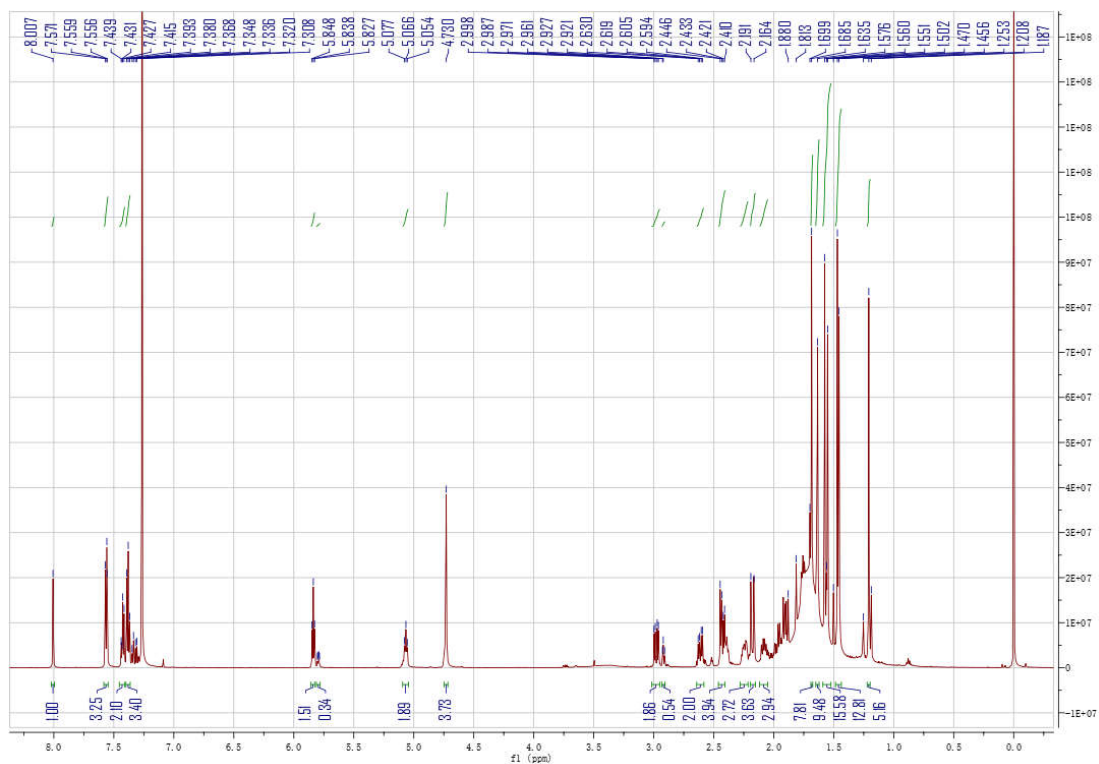


Fig 41. The  $^1\text{H}$ -NMR spectrum of 5 and 6

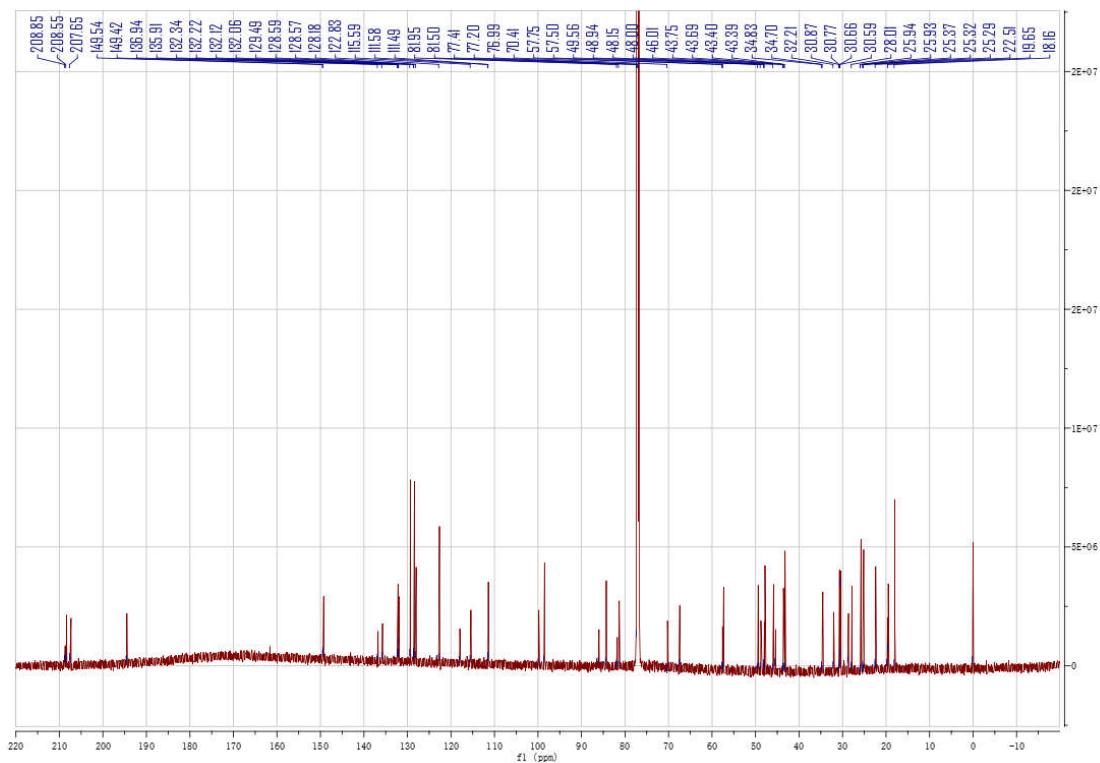


Fig 42. The  $^{13}\text{C}$ -NMR spectrum of 5 and 6

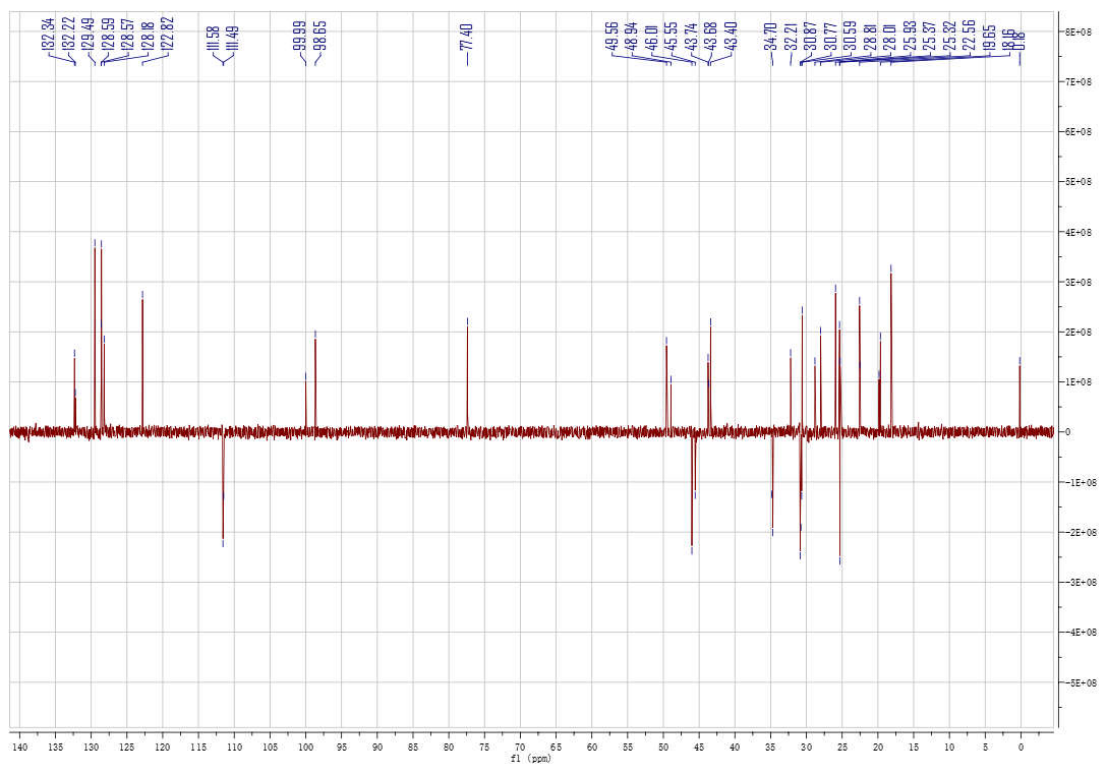


Fig 43.  $^{13}\text{C}$ -NMR-DEPT spectrum of 5 and 6

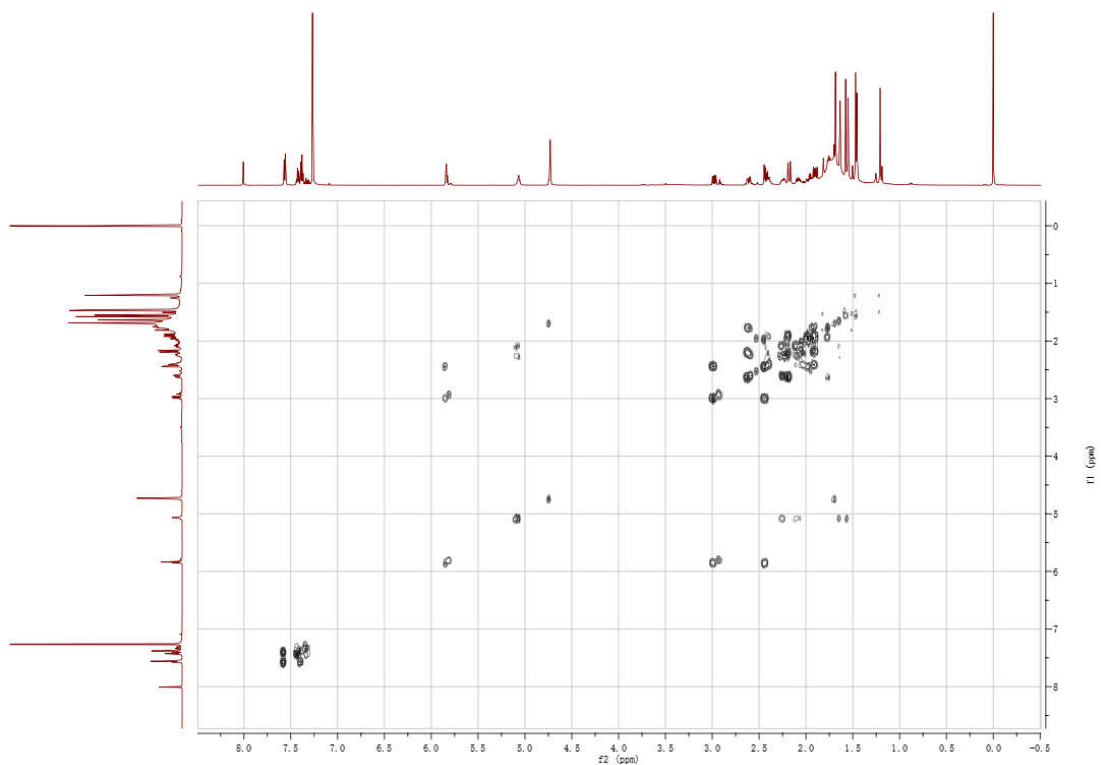
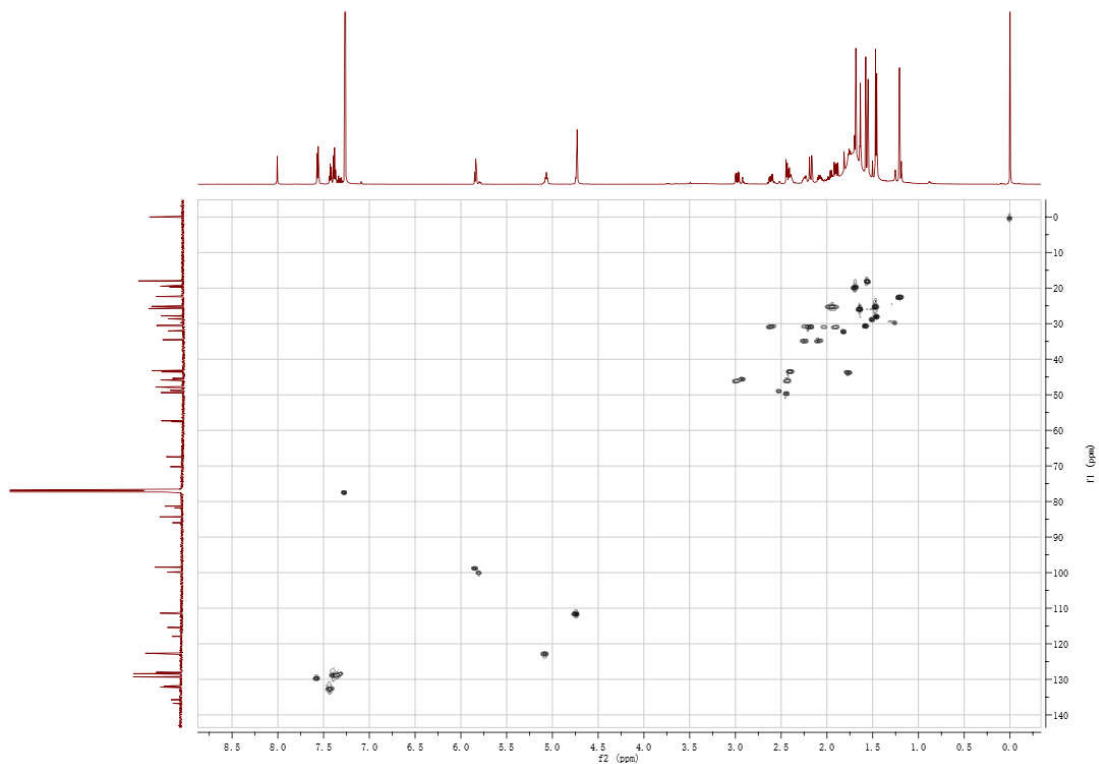
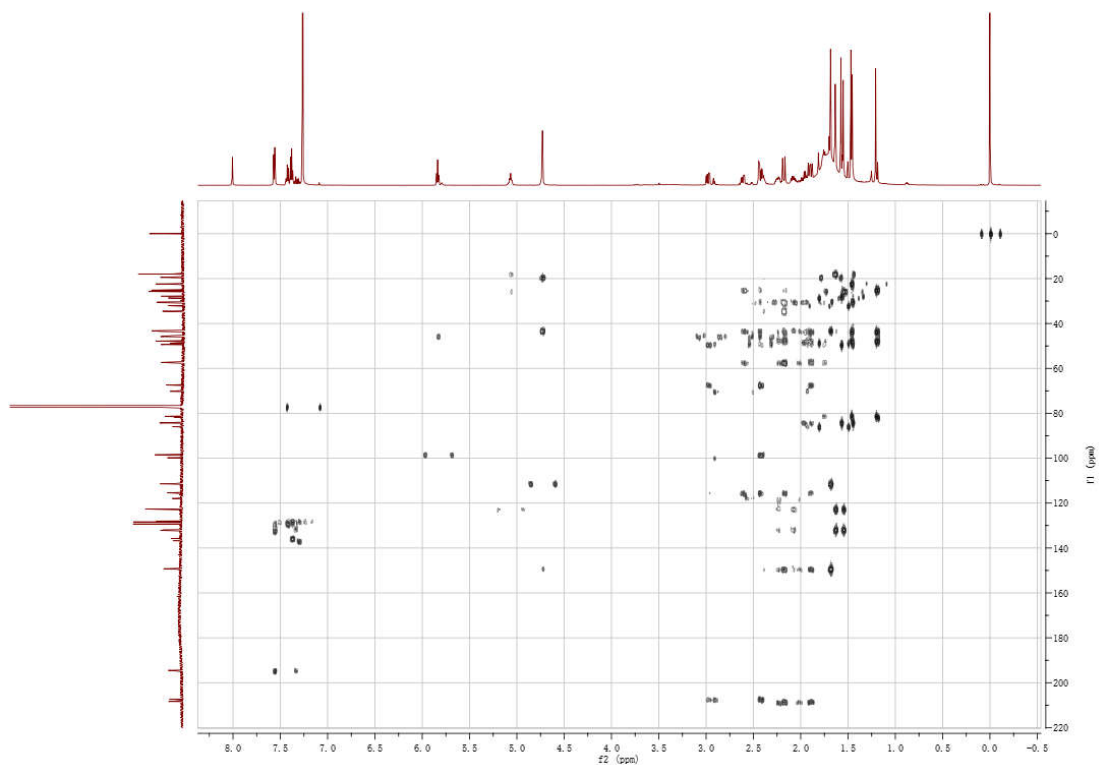


Fig 44.  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of 5 and 6

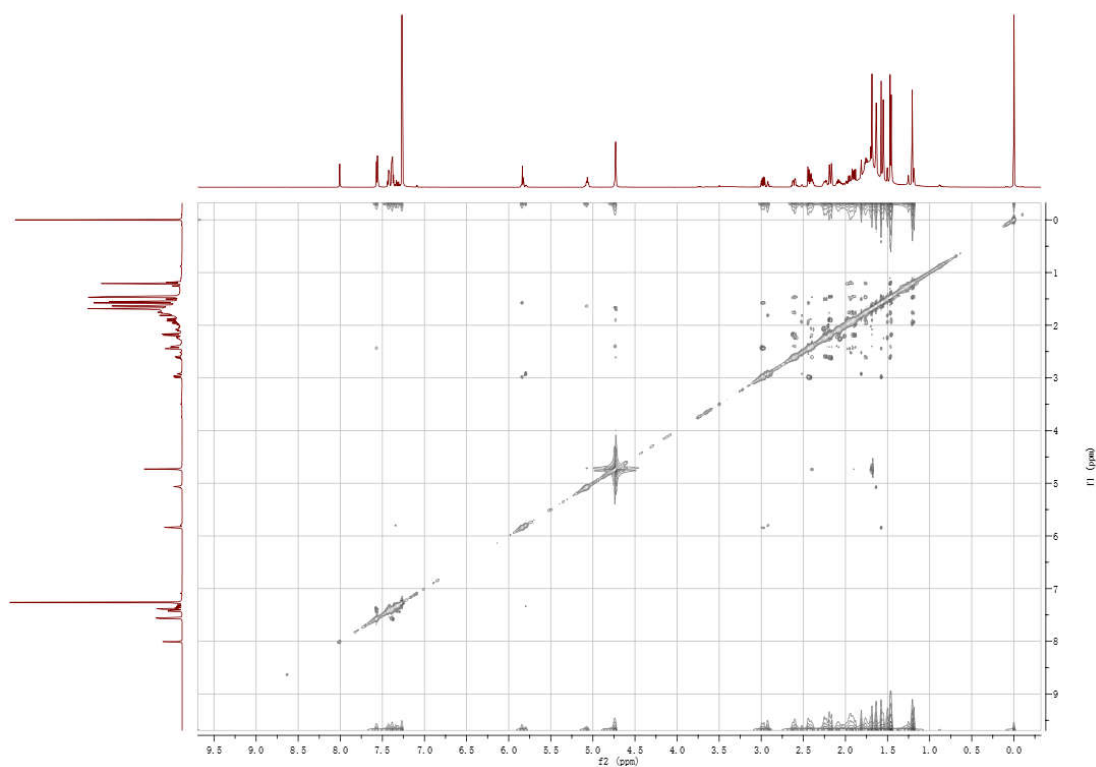




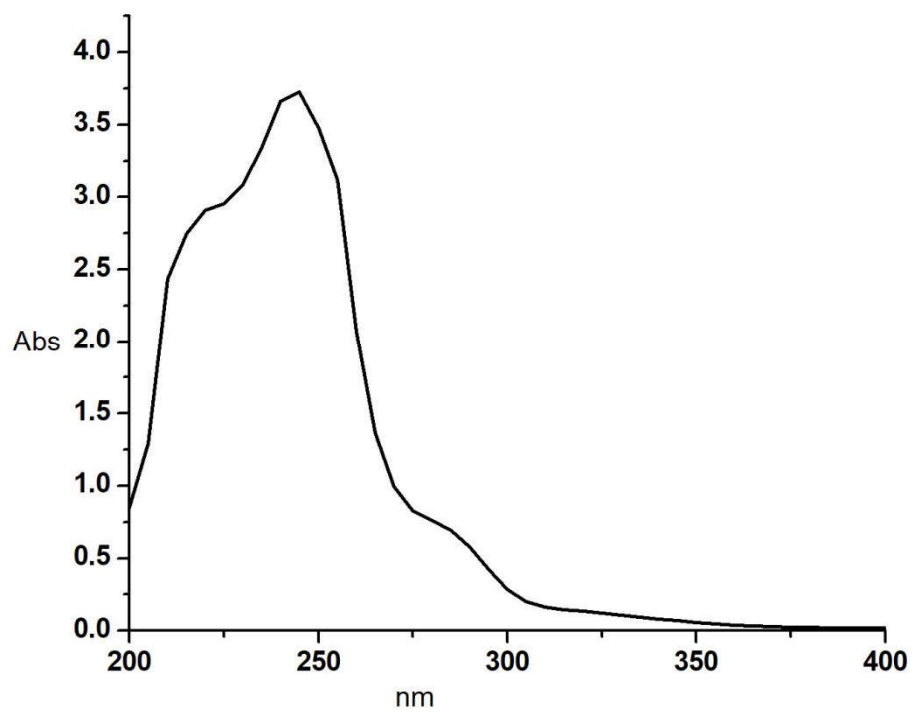
**Fig 45. HSQC spectrum of 5 and 6**



**Fig 46. HMBC spectrum of 5 and 6**



**Fig 47. ROESY spectrum of 5 and 6**



**Fig 48. UV spectrum of 5 and 6**

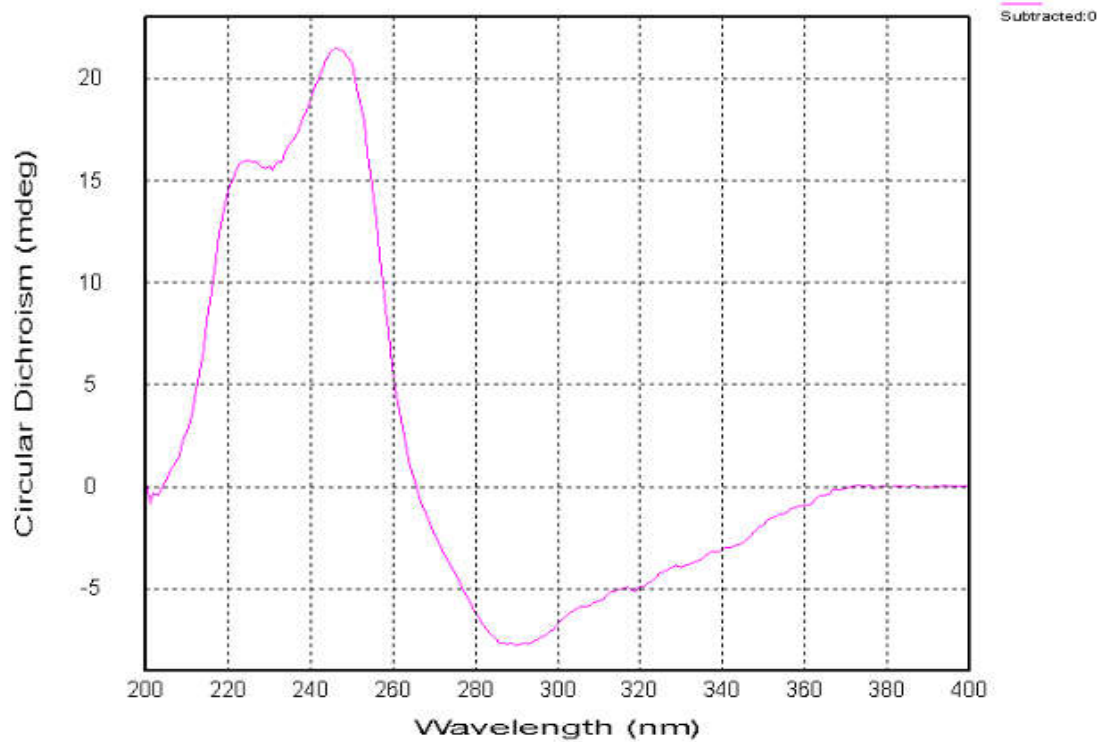


Fig 49. CD spectrum of 5 and 6

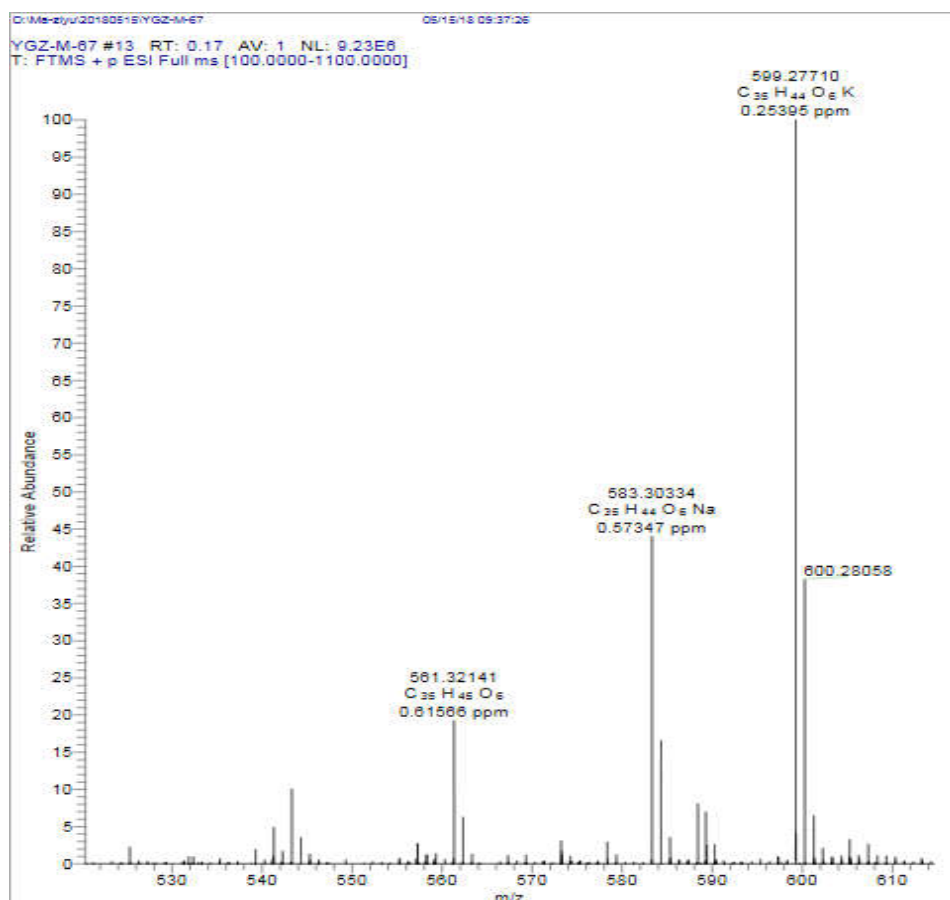


Fig 50. HR-ESI-MS of 5 and 6

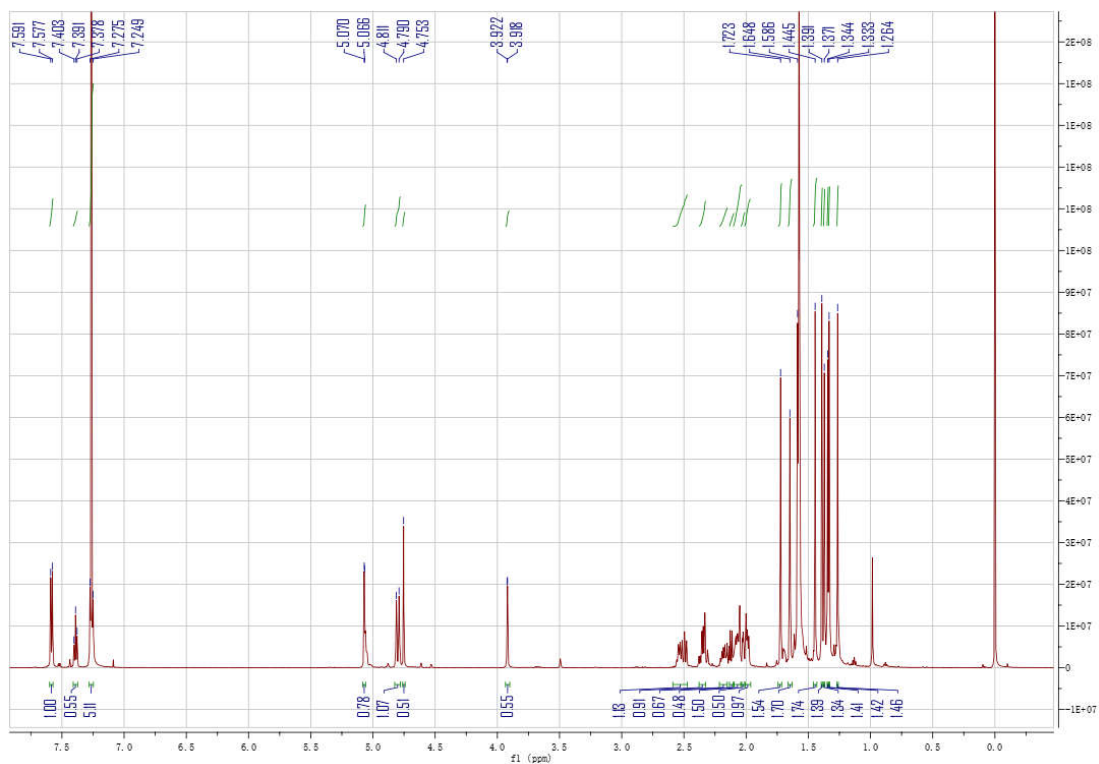


Fig 51. The  $^1\text{H}$ -NMR spectrum of 7

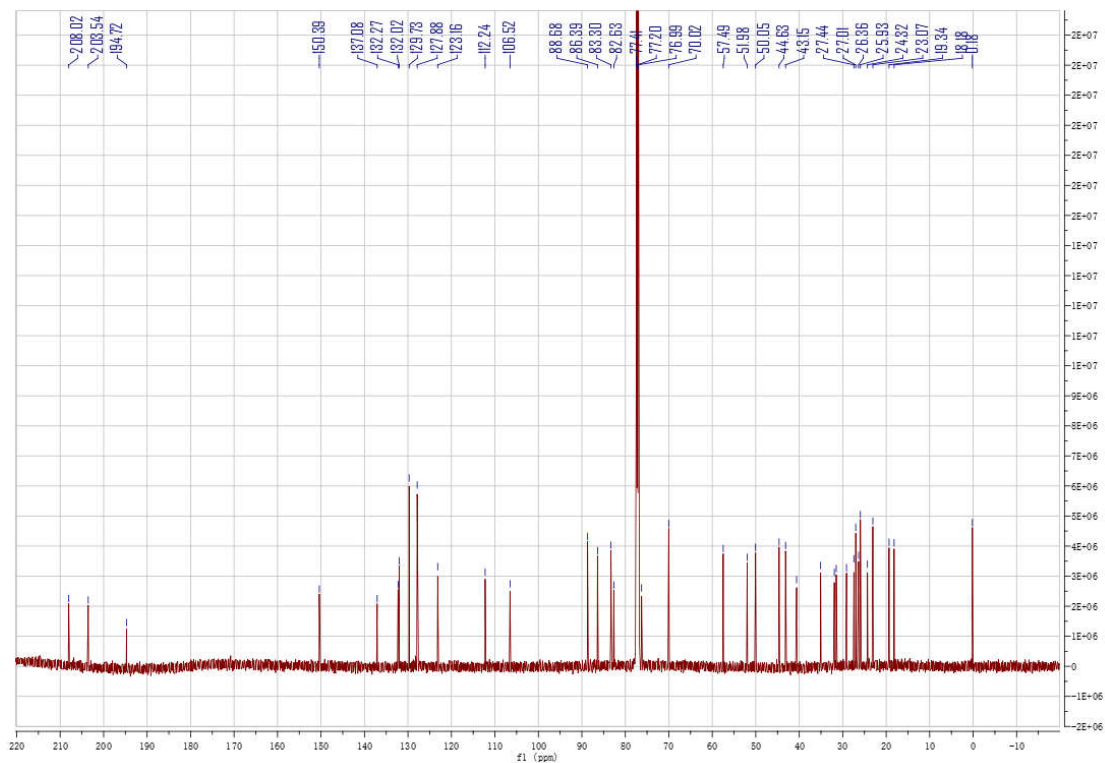


Fig 52. The  $^{13}\text{C}$ -NMR spectrum of 7

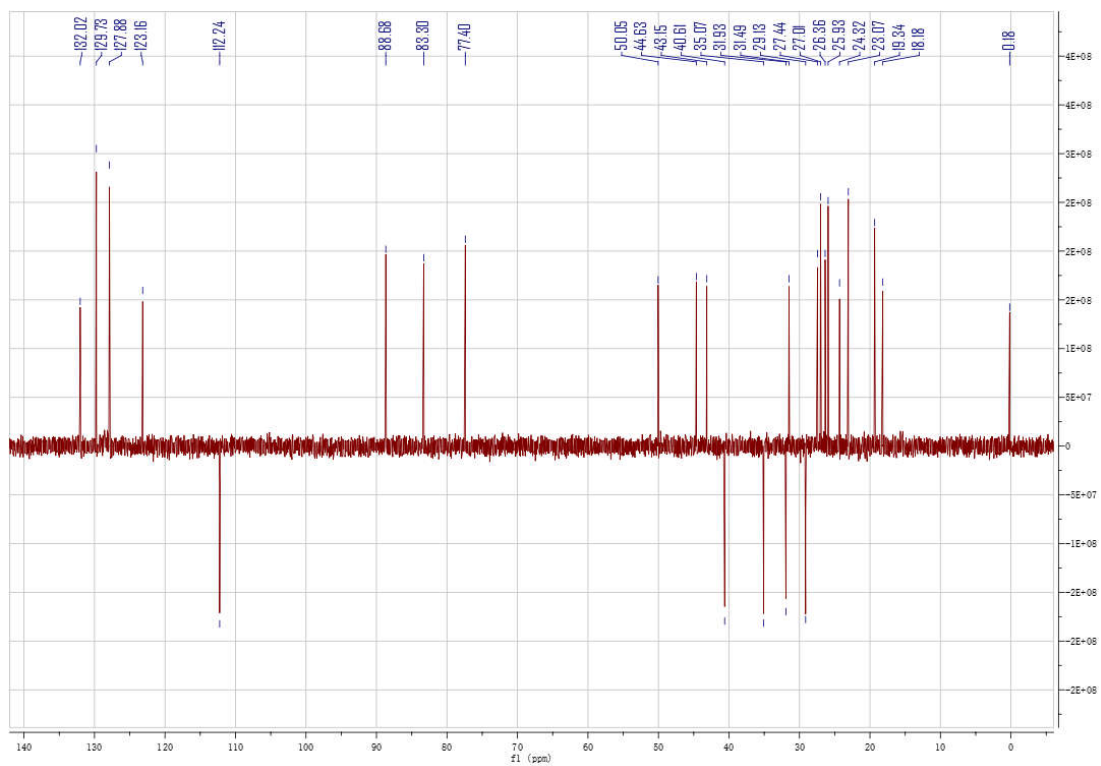


Fig 53.  $^{13}\text{C}$ -NMR-DEPT spectrum of 7

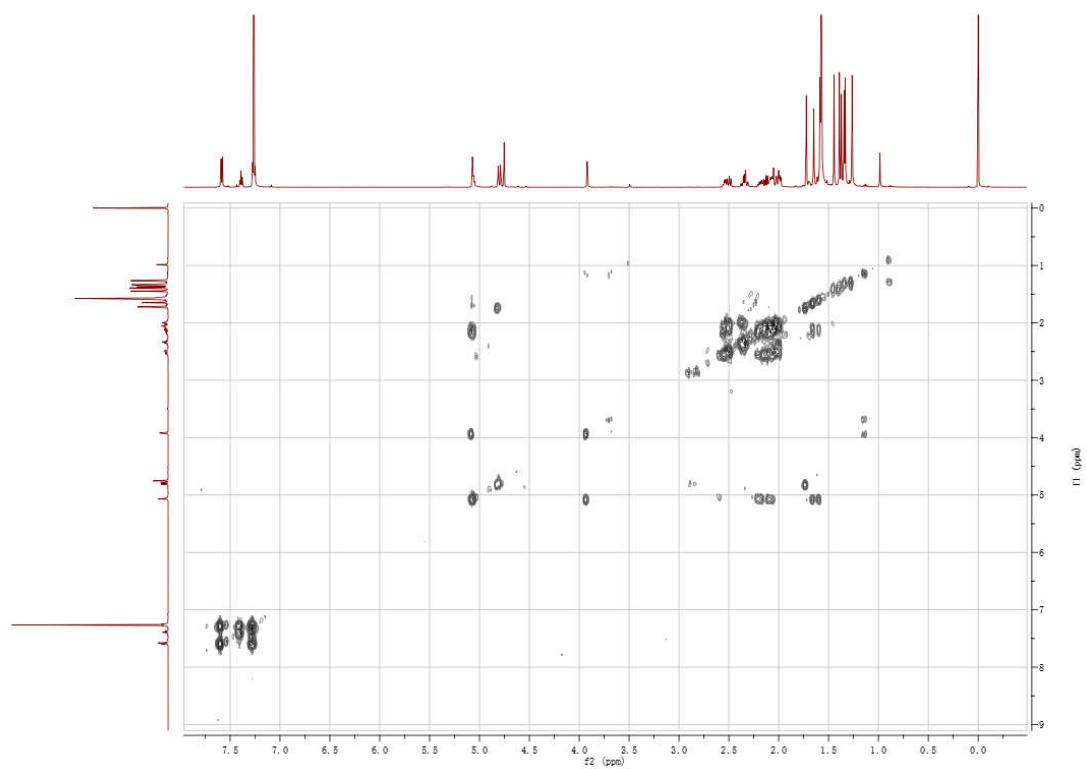
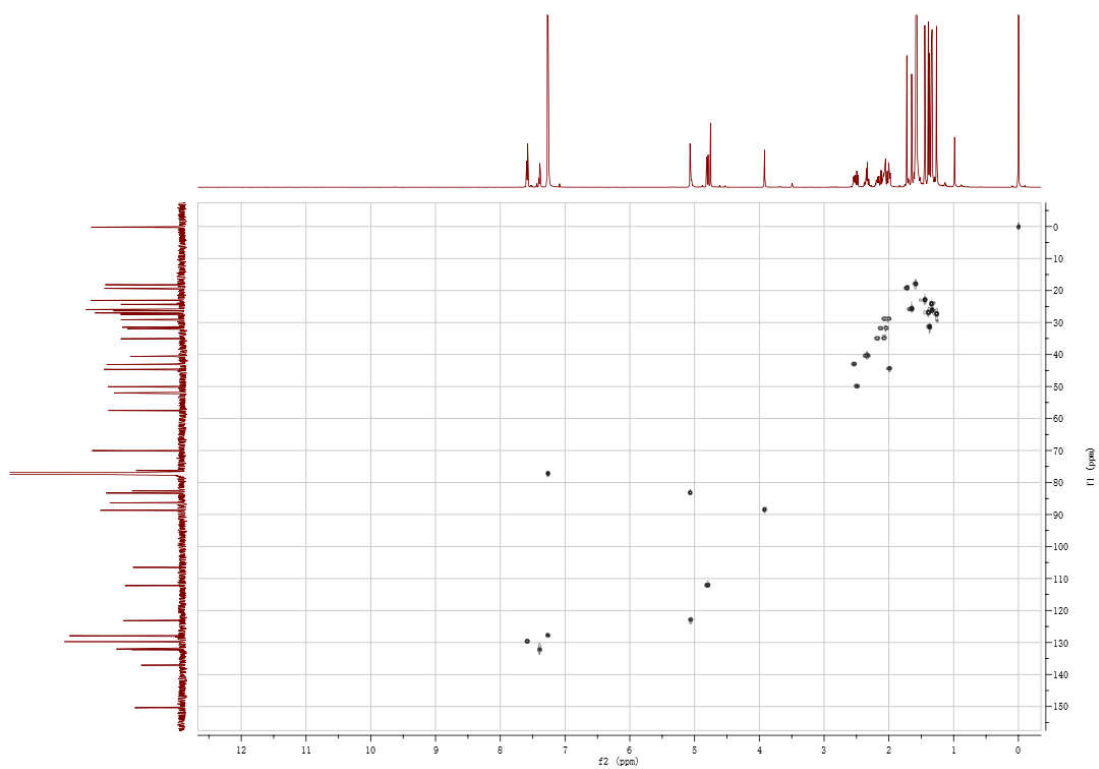
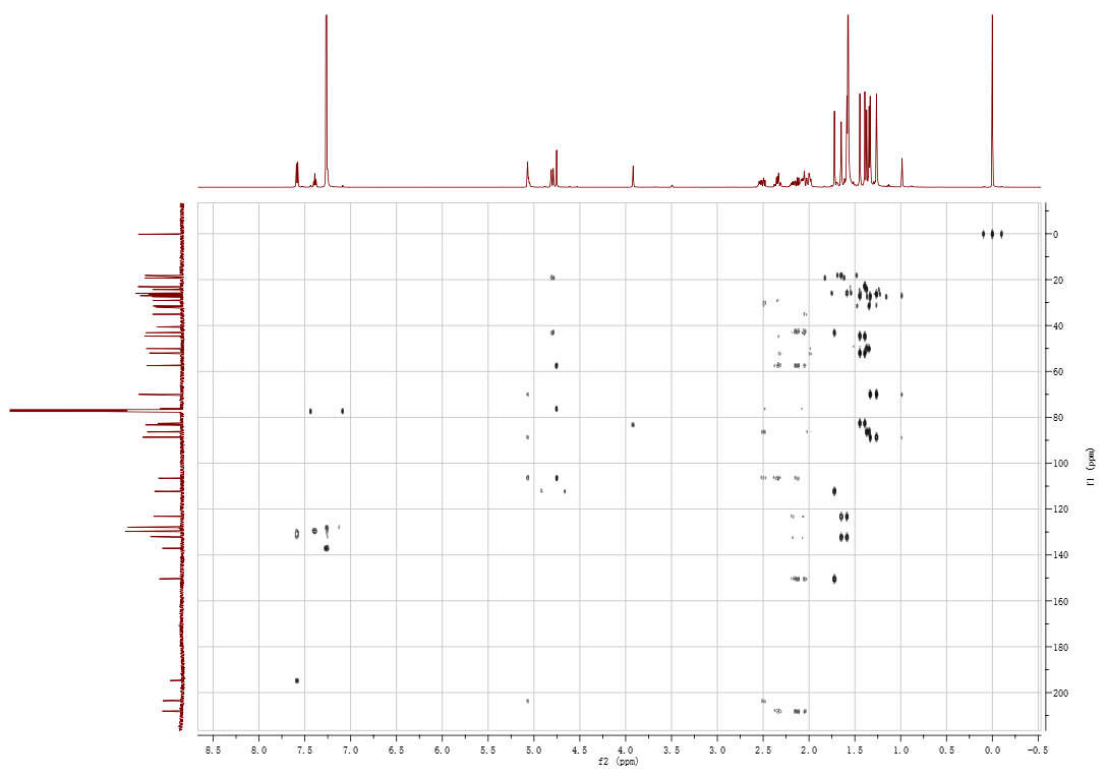


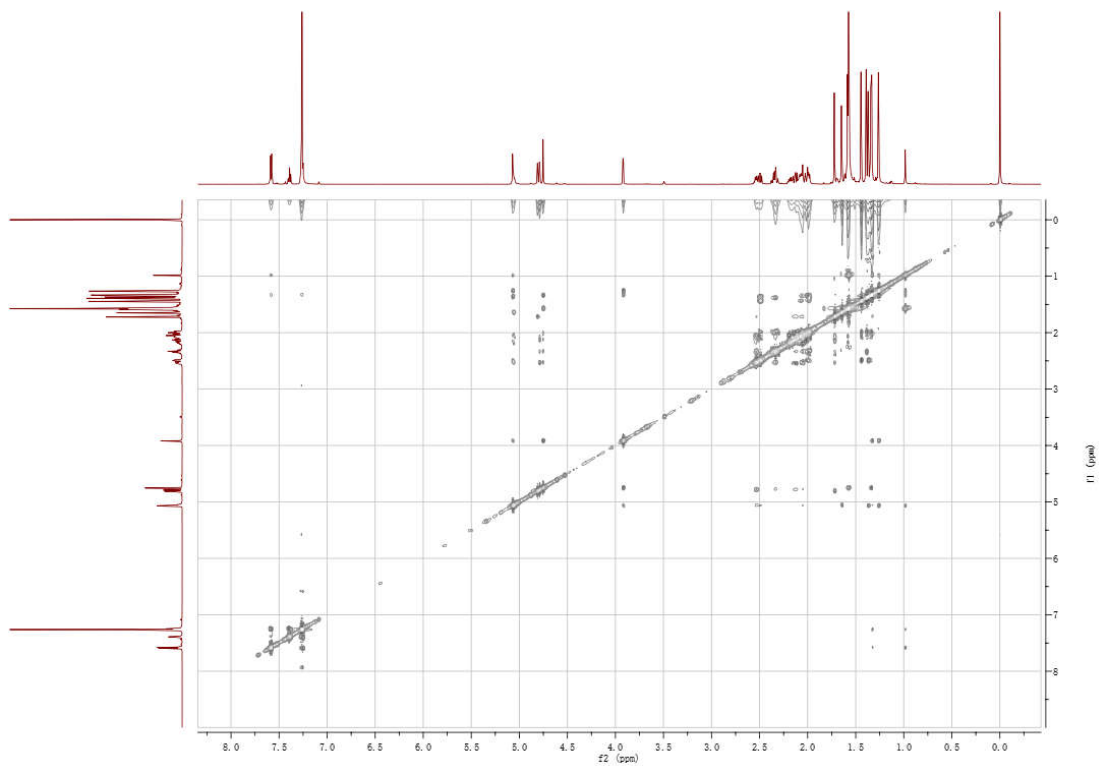
Fig 54.  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of 7



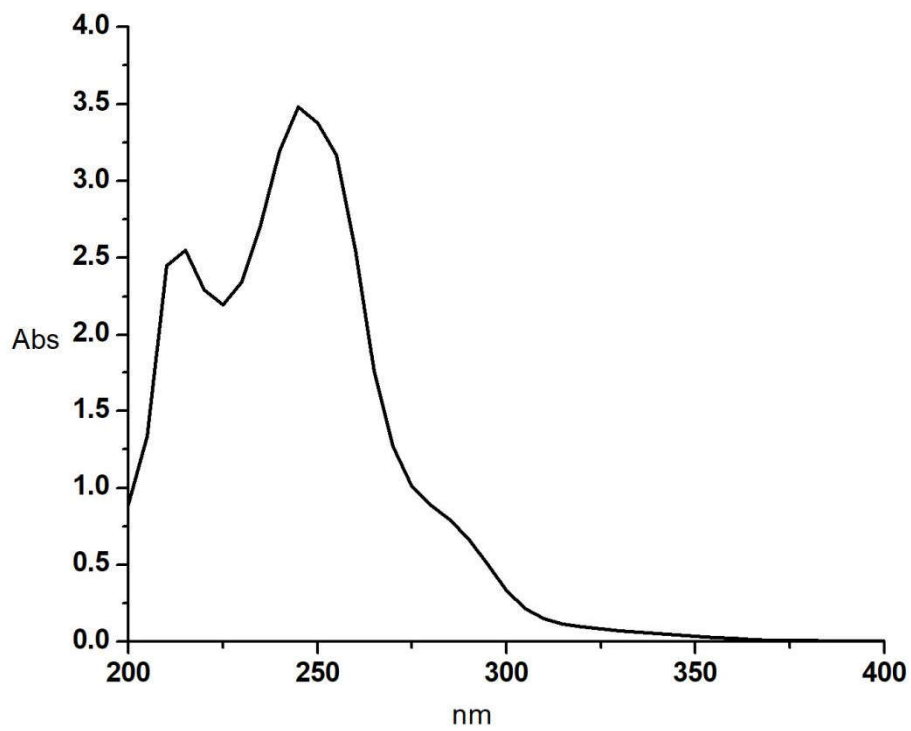
**Fig 55. HSQC spectrum of 7**



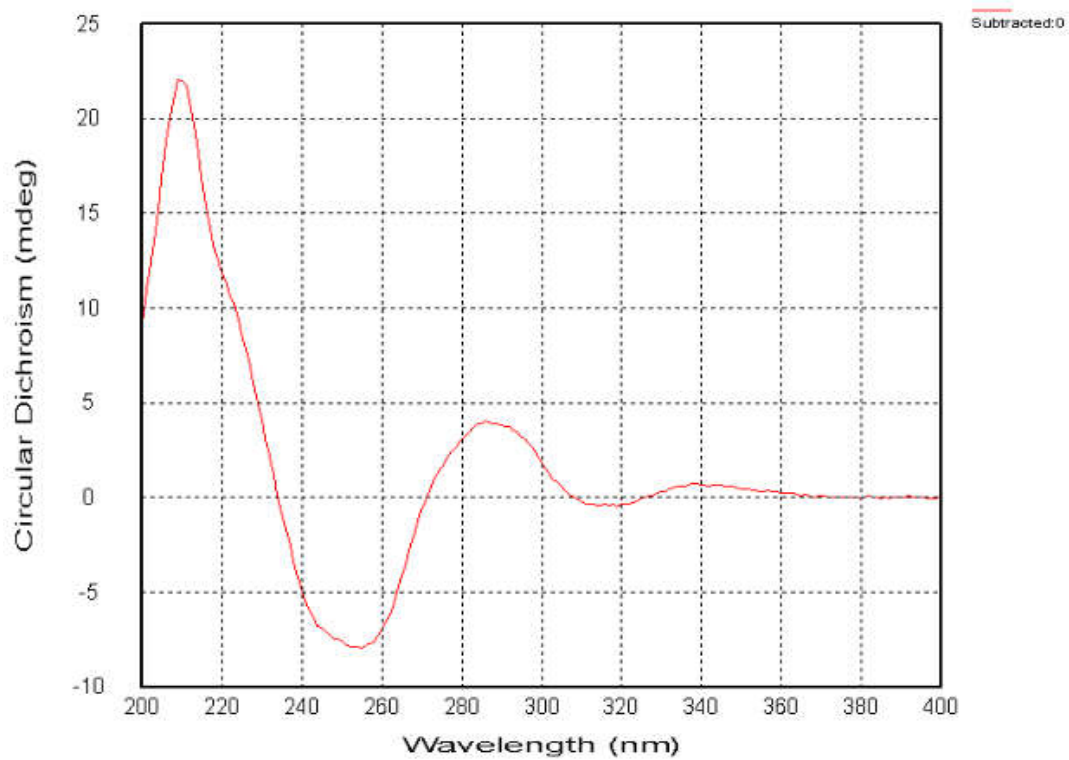
**Fig 56. HMBC spectrum of 7**



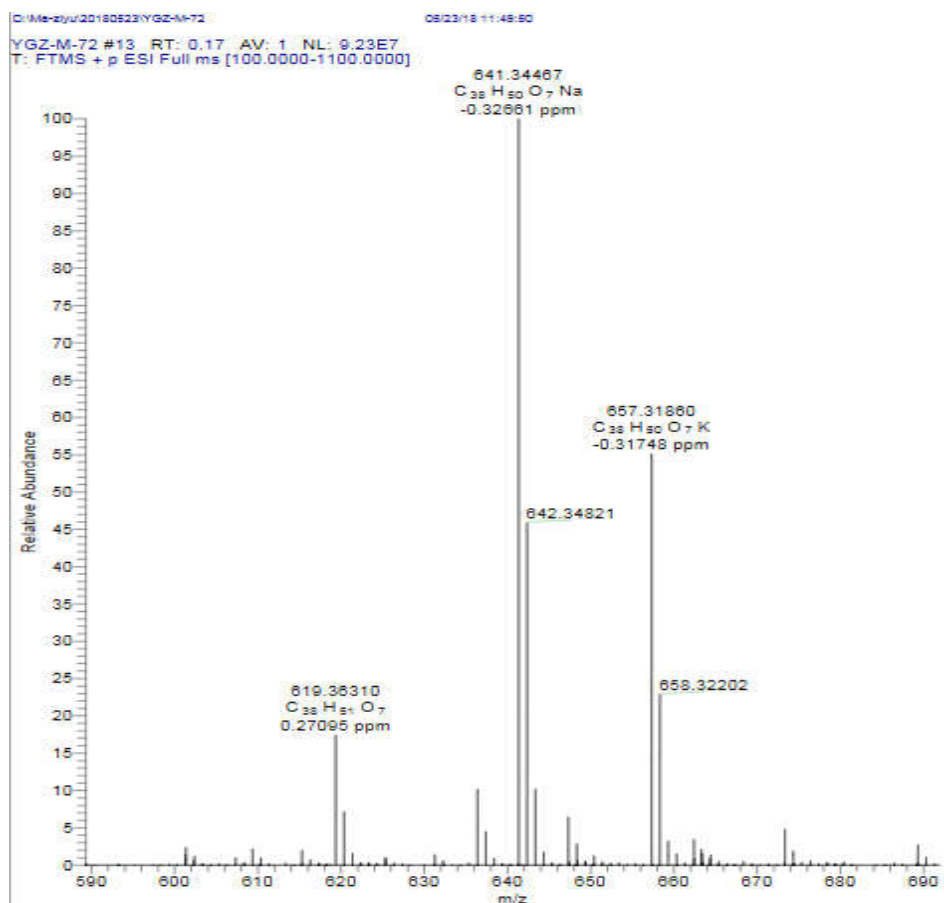
**Fig 57. ROESY spectrum of 7**



**Fig 58. UV spectrum of 7**



**Fig 59. CD spectrum of 7**



**Fig 60. HR-ESI-MS of 7**



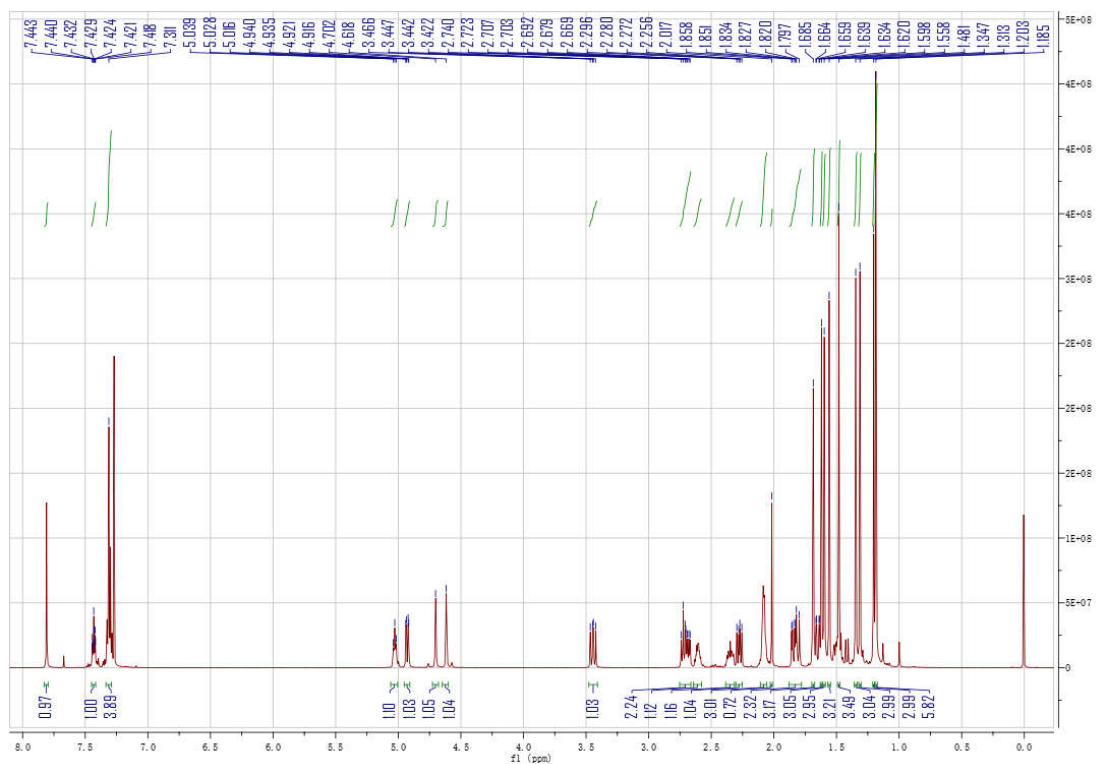


Fig 61. The  $^1\text{H}$ -NMR spectrum of 8

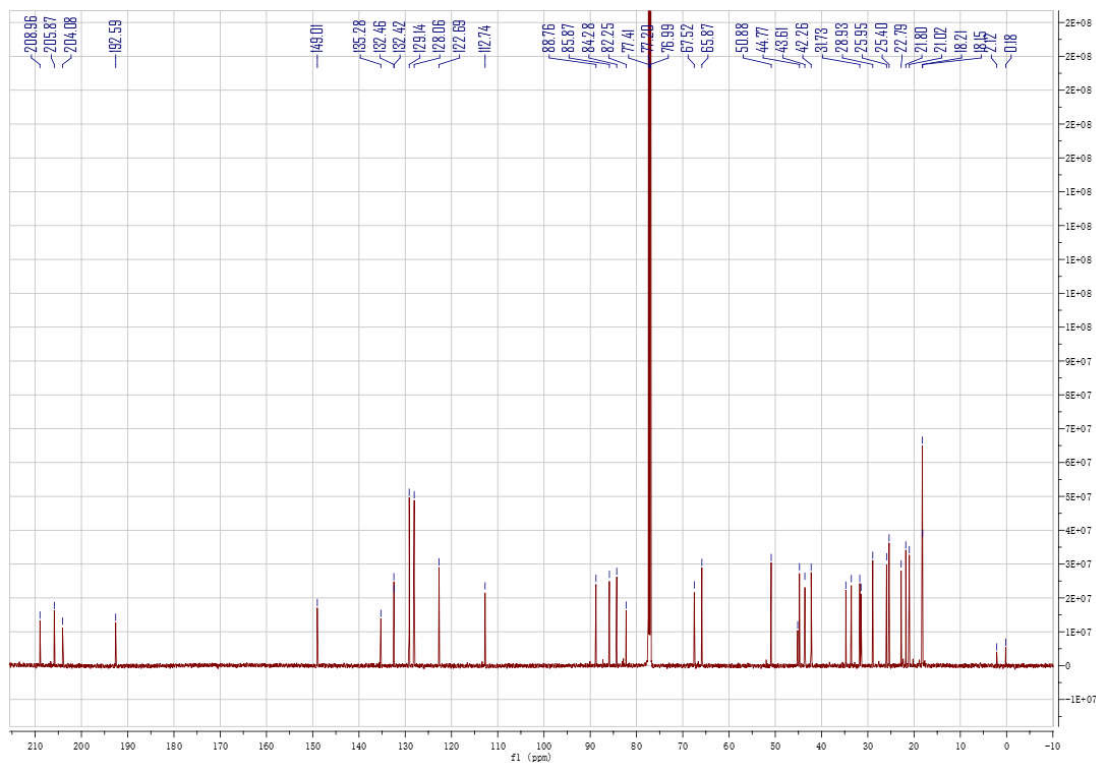


Fig 62. The  $^{13}\text{C}$ -NMR spectrum of 8

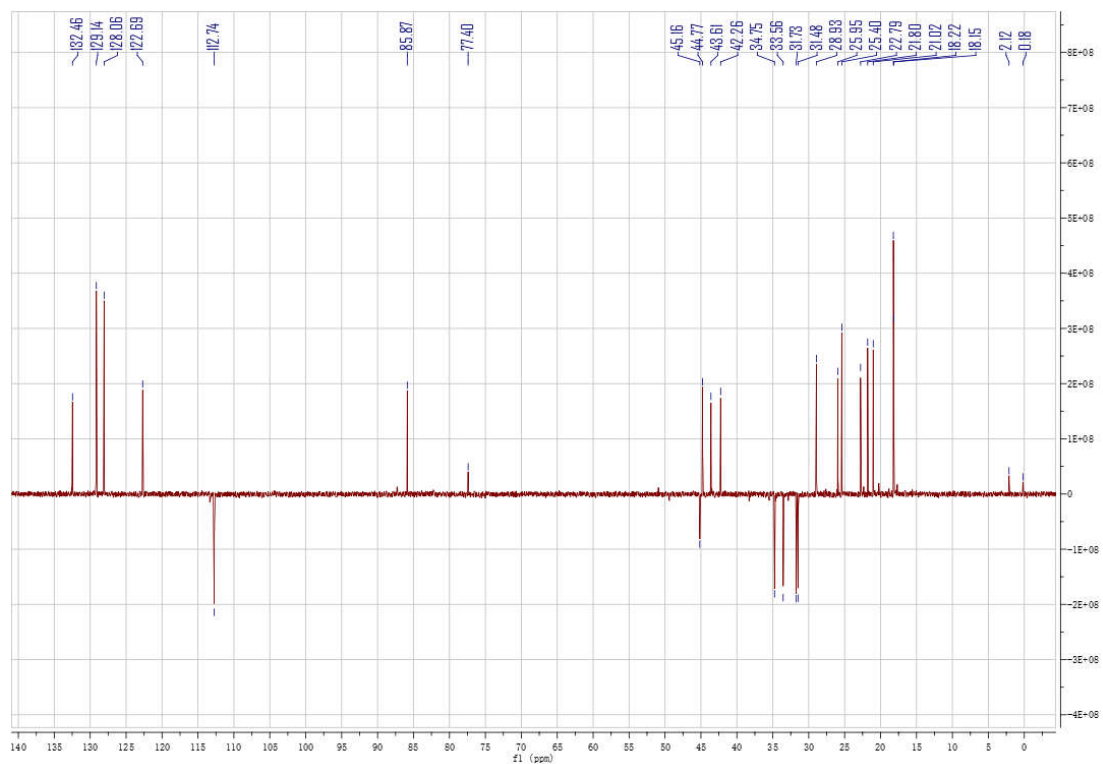


Fig 63.  $^{13}\text{C}$ -NMR-DEPT spectrum of 8

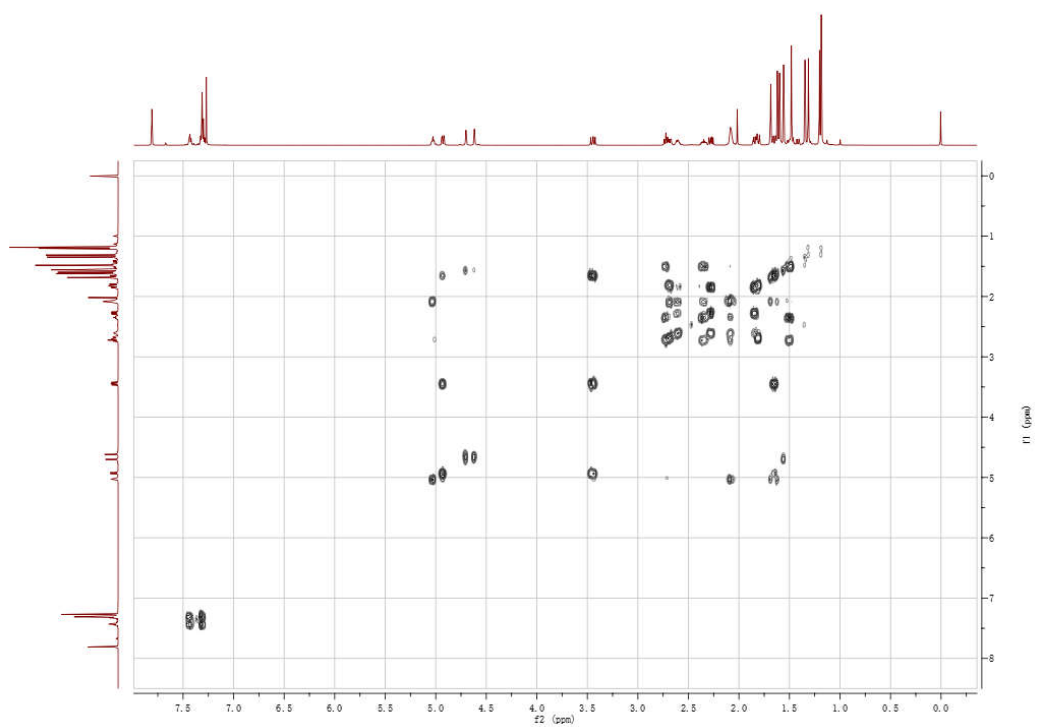
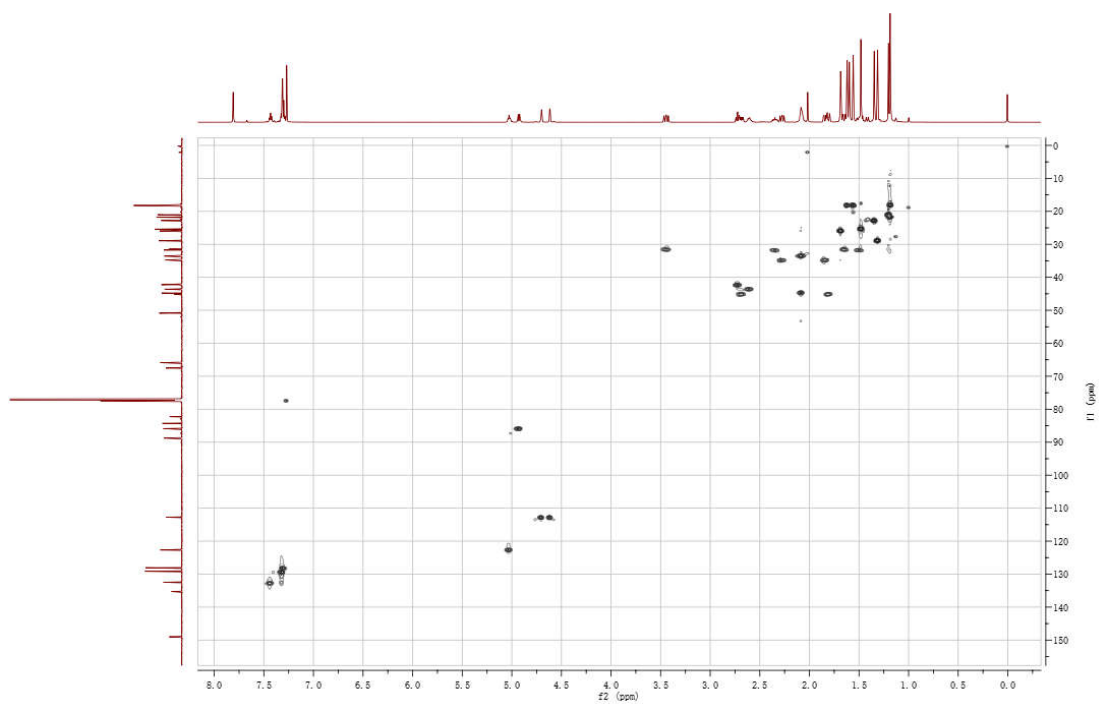
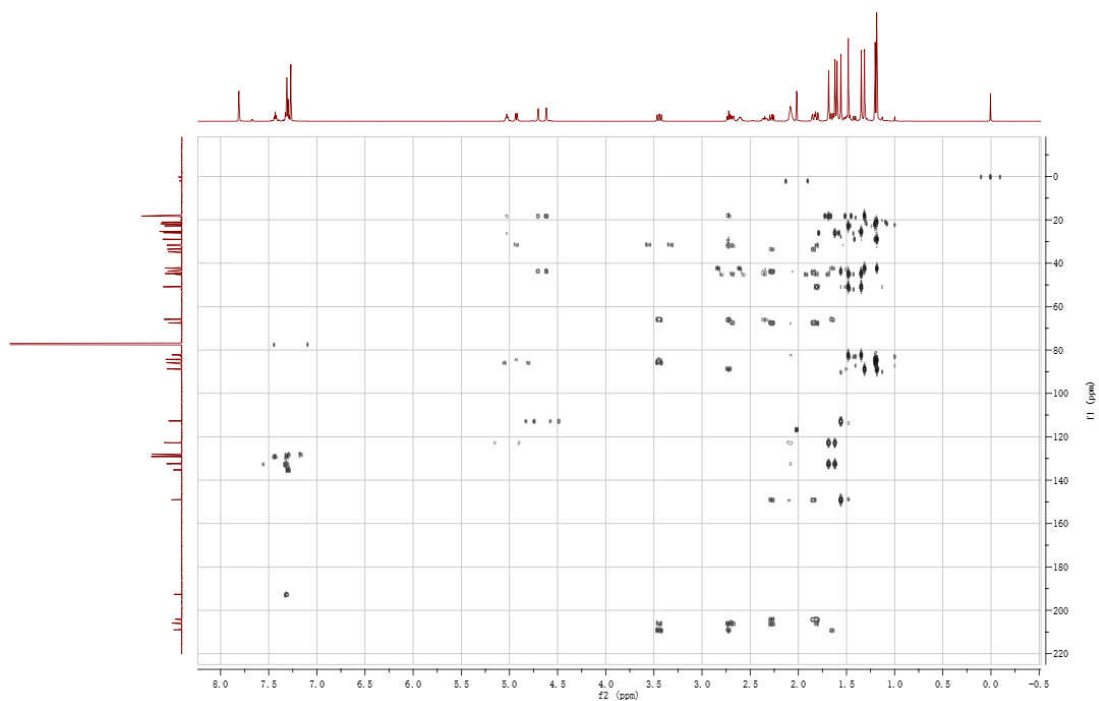


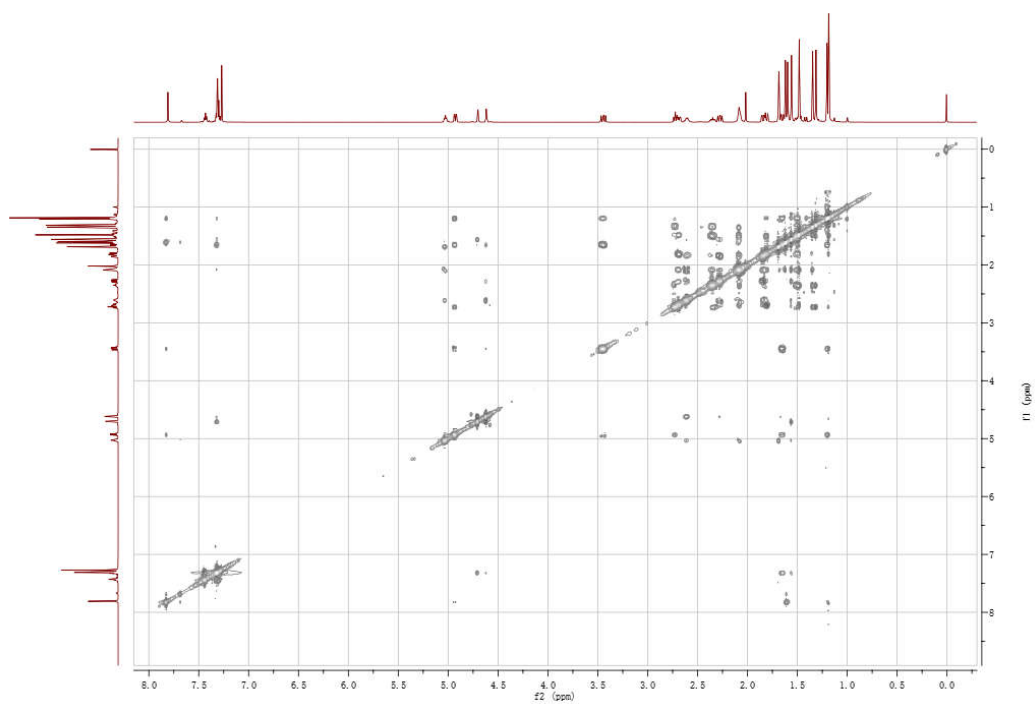
Fig 64.  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of 8



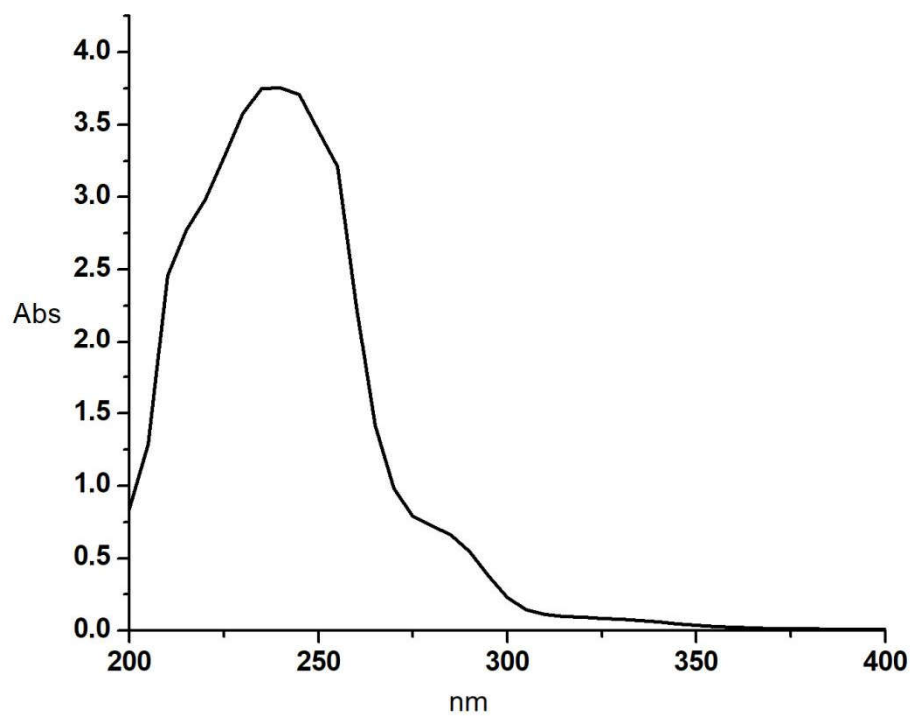
**Fig 65. HSQC spectrum of 8**



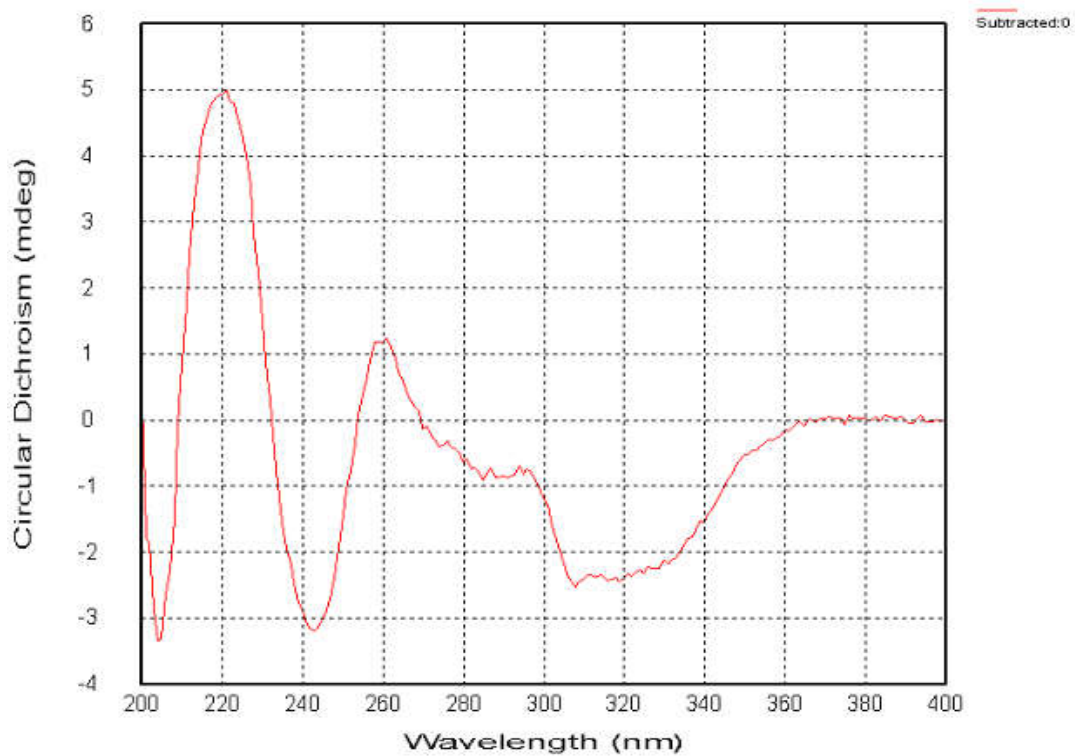
**Fig 66. HMBC spectrum of 8**



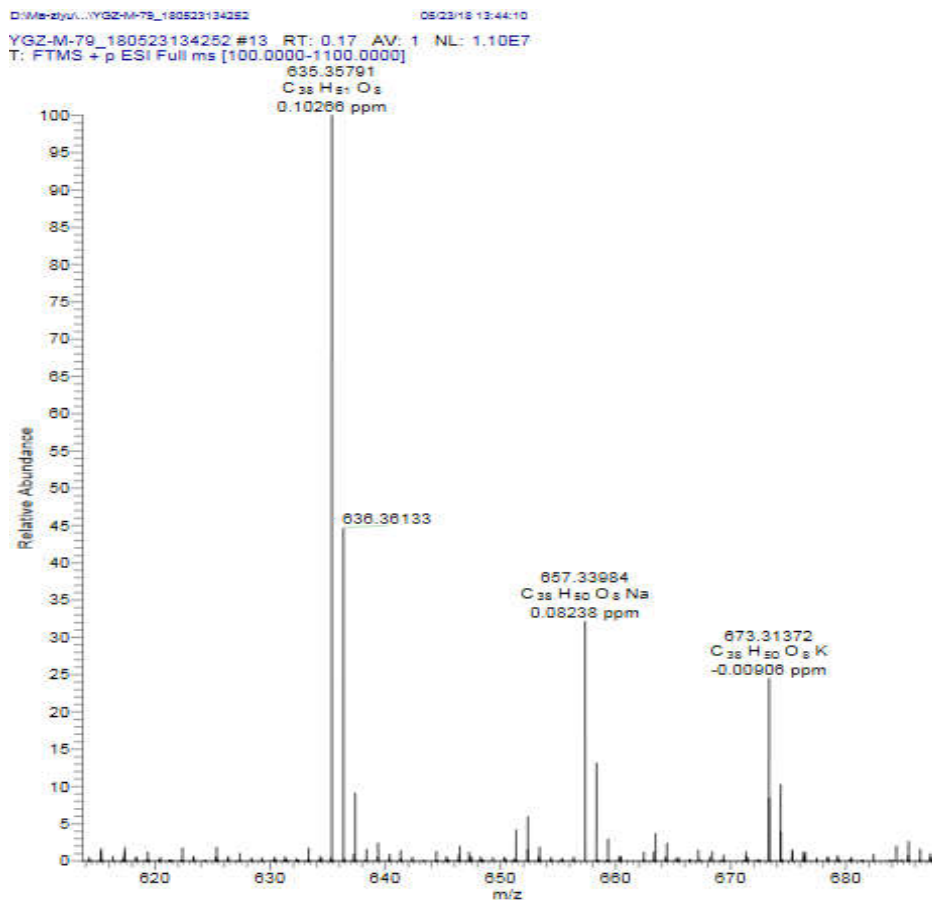
**Fig 67. ROESY spectrum of 8**



**Fig 68. UV spectrum of 8**



**Fig 69. CD spectrum of 8**



**Fig 70. HR-ESI-MS of 8**

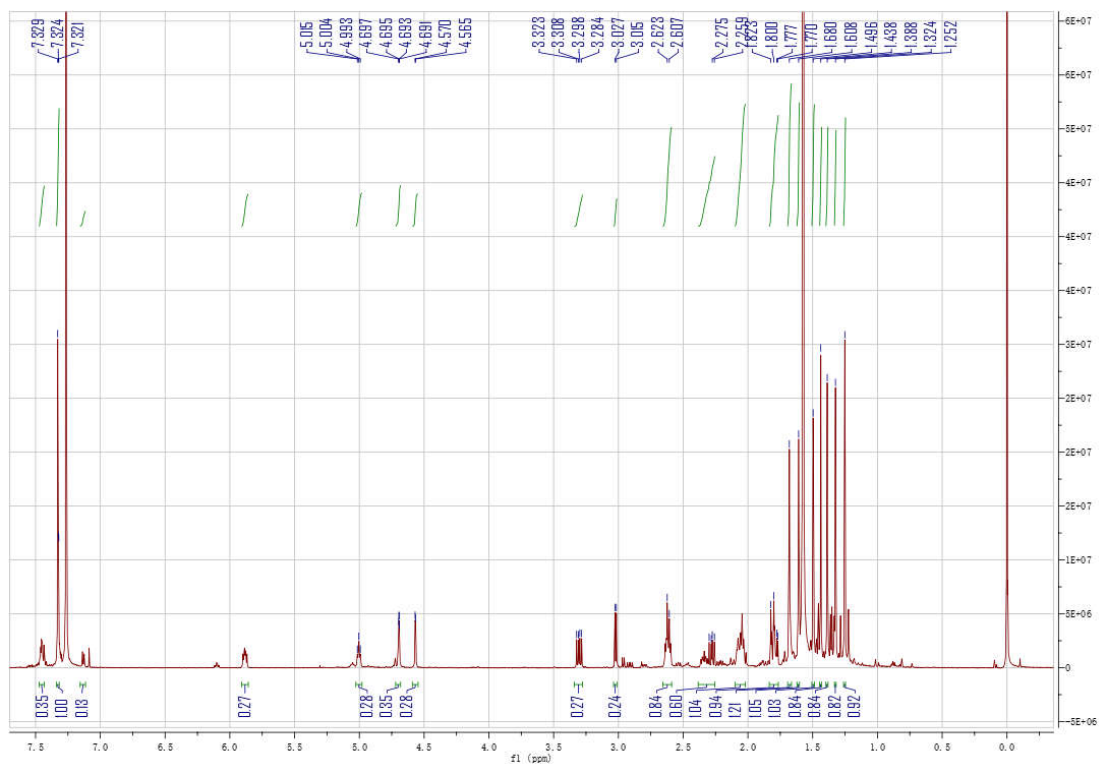


Fig 71. The  $^1\text{H}$ -NMR spectrum of 9

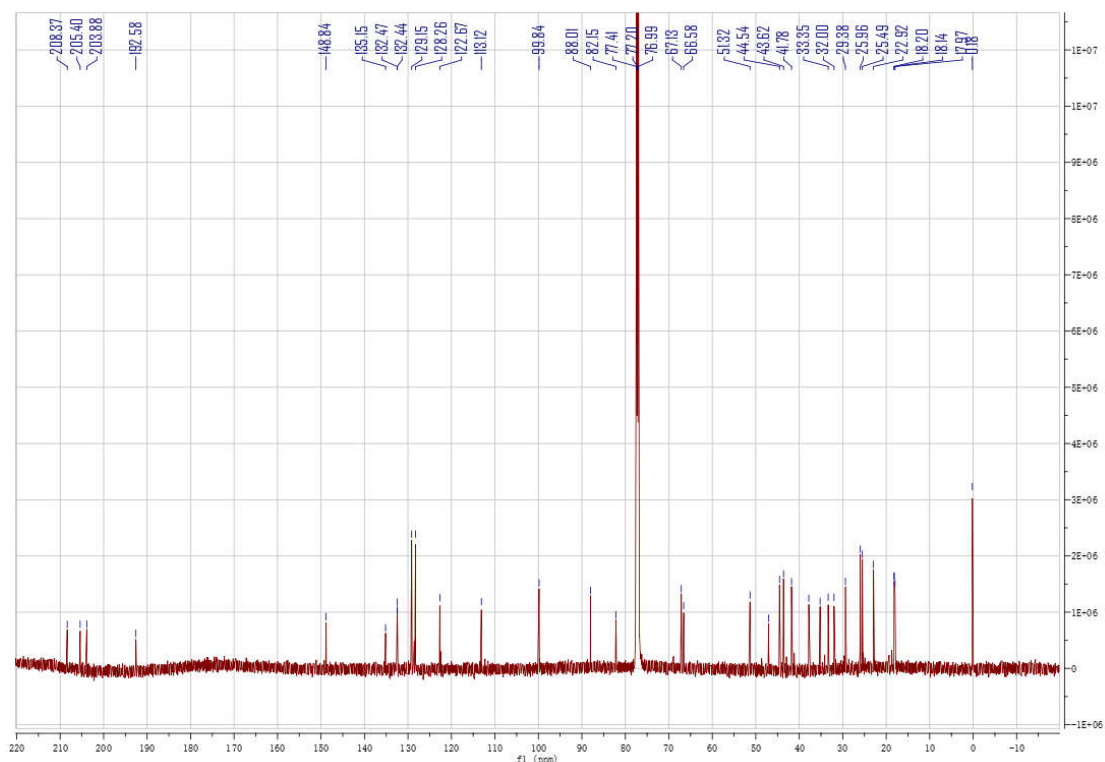


Fig 72. The  $^{13}\text{C}$ -NMR spectrum of 9

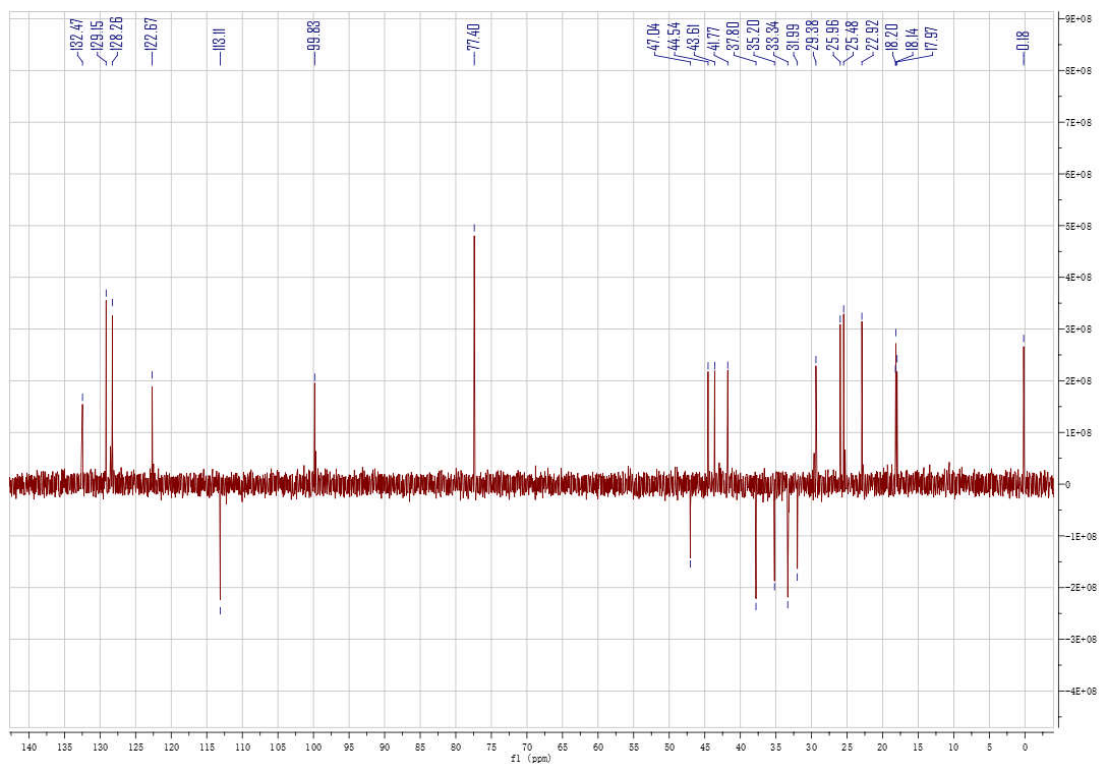


Fig 73.  $^{13}\text{C}$ -NMR-DEPT spectrum of 9

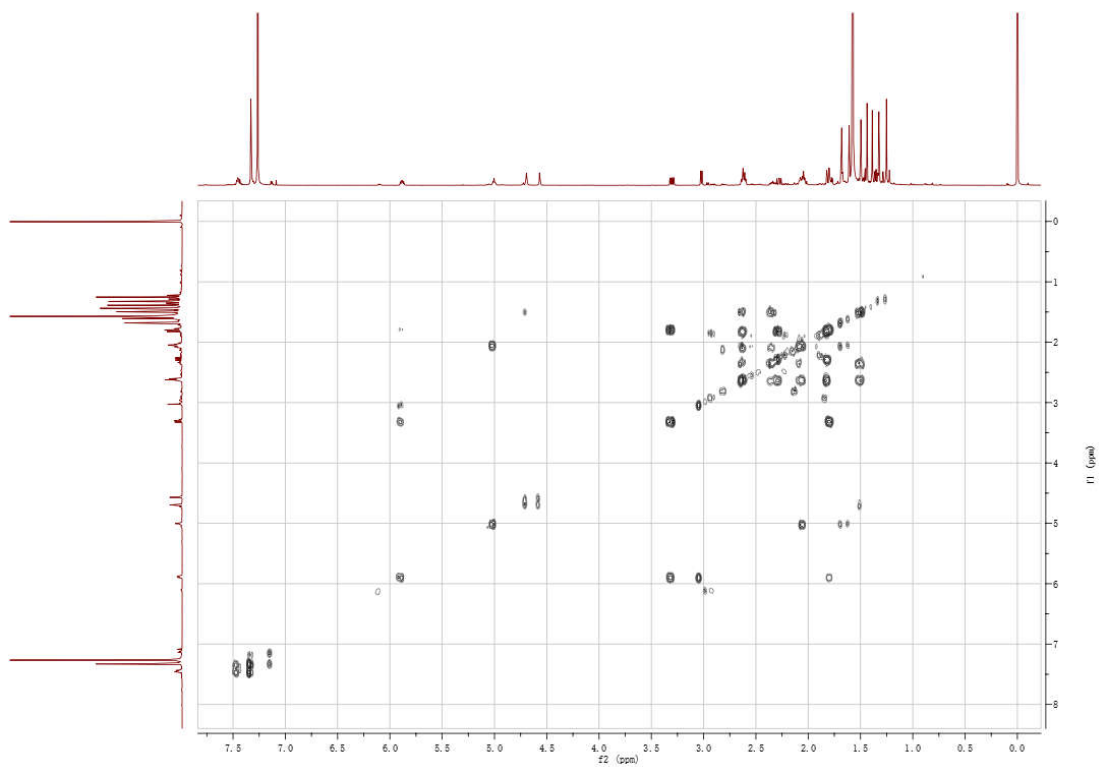
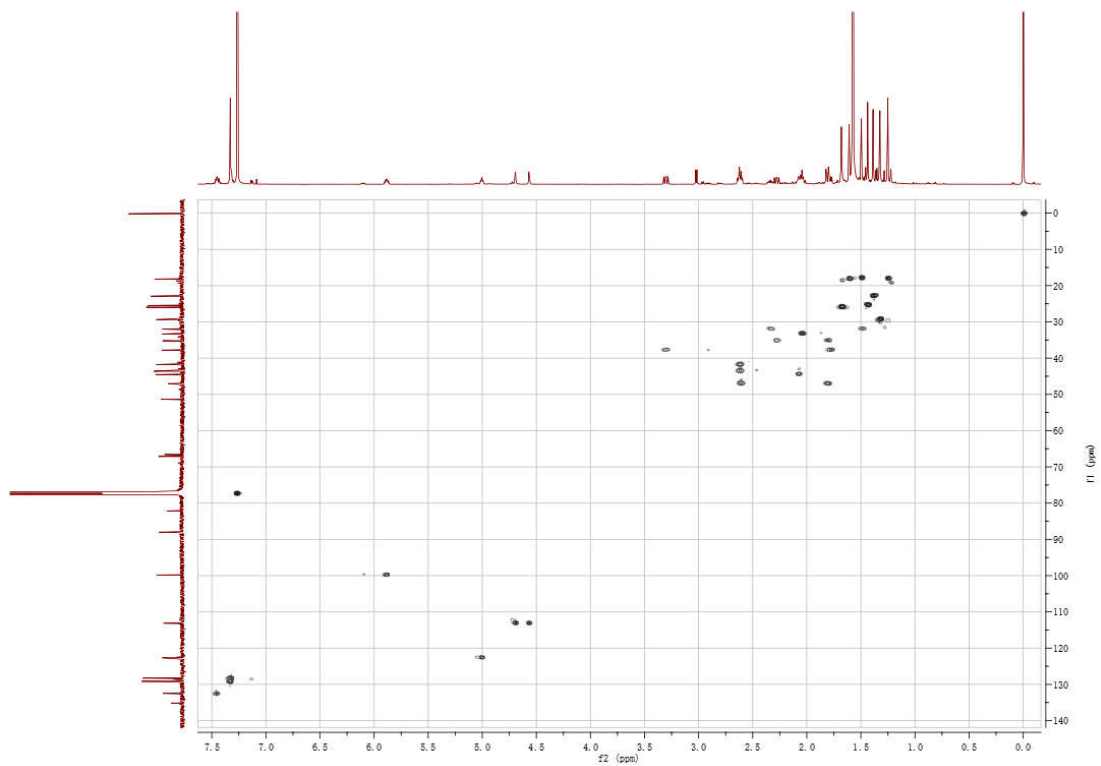
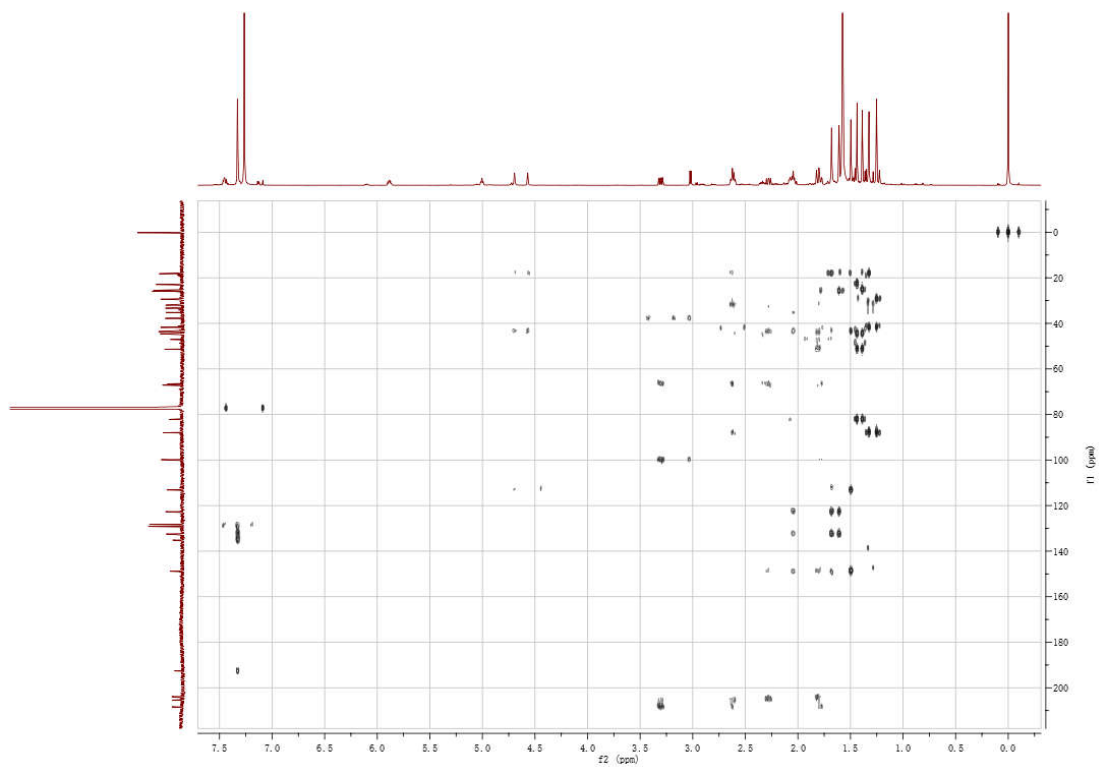


Fig 74.  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of 9

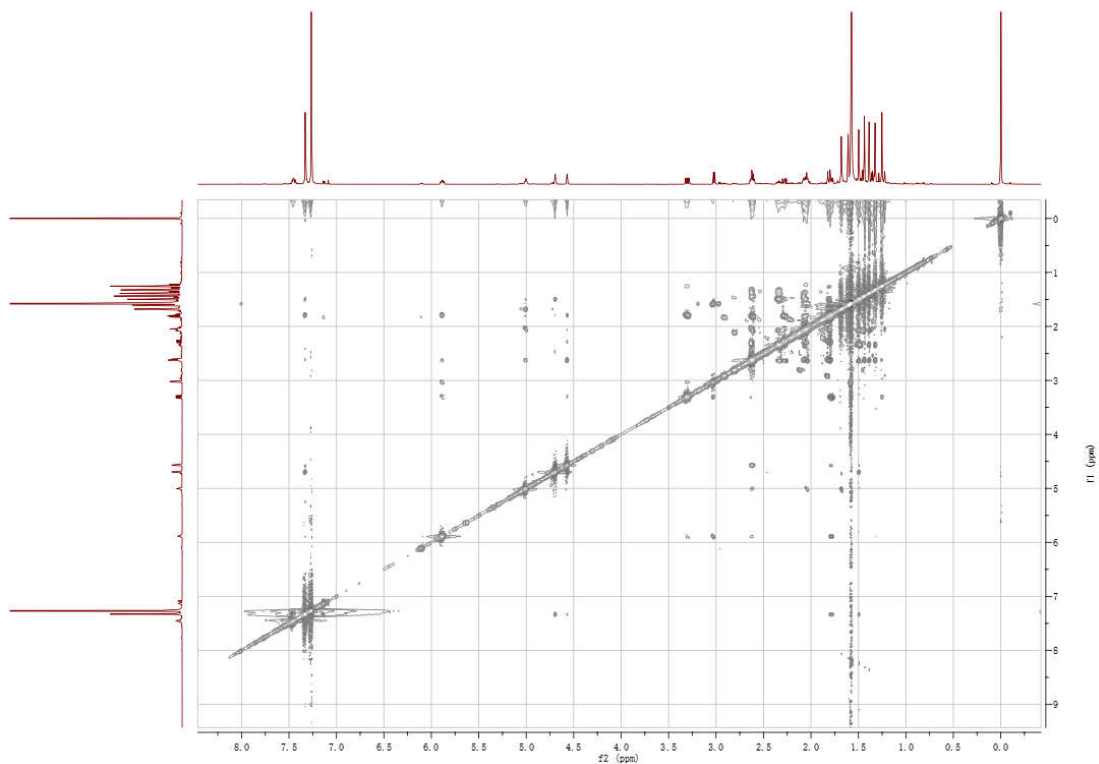


**Fig 75. HSQC spectrum of 9**

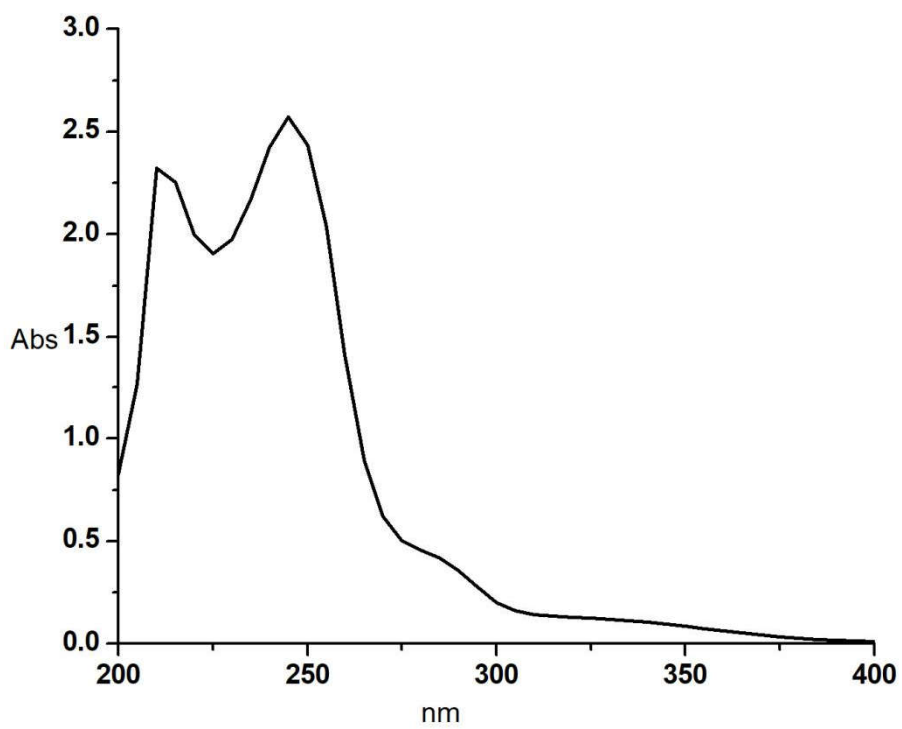


**Fig 76. HMBC spectrum of 9**

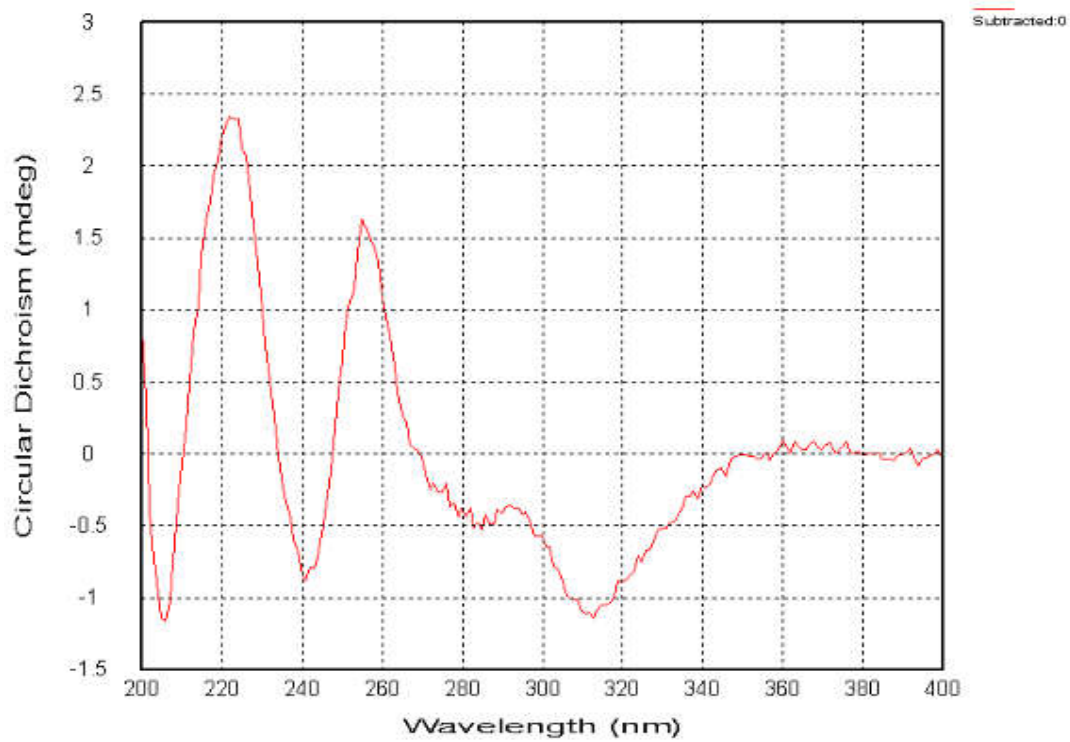




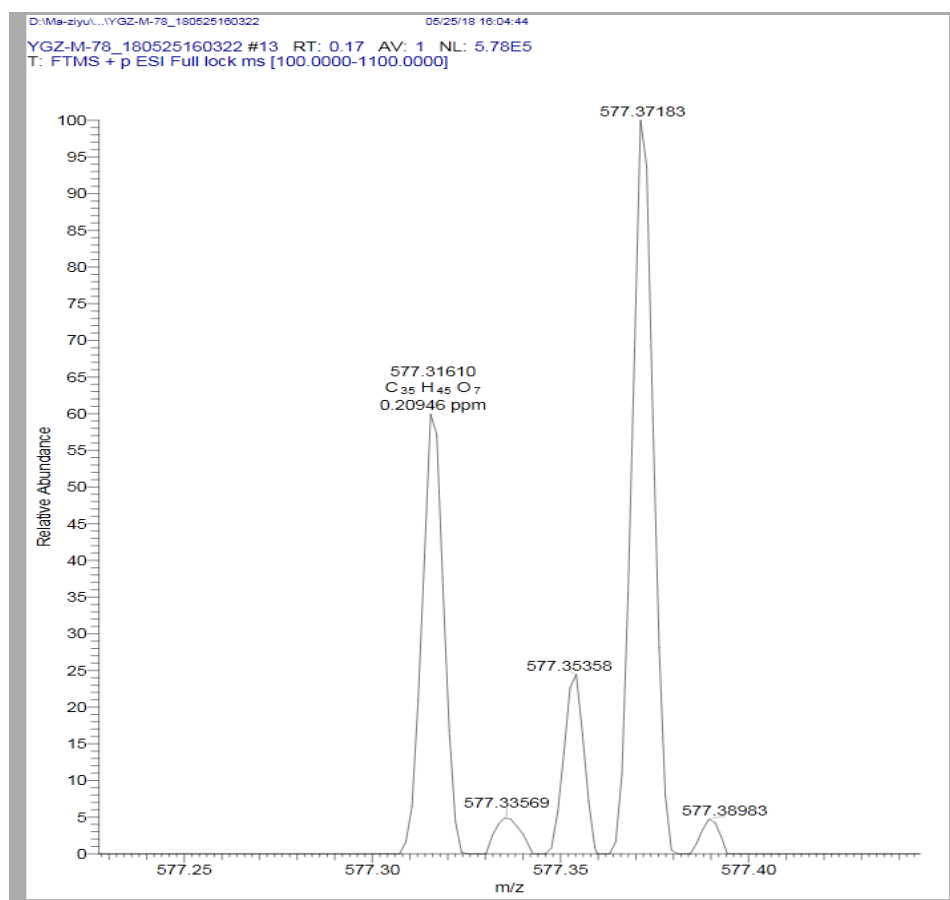
**Fig 77. ROESY spectrum of 9**



**Fig 78. UV spectrum of 9**



**Fig 79. CD spectrum of 9**



**Fig 80. HR-ESI-MS of 9**