Supporting Information

Discovery of aromadendrane anologues from the marine-derived fungus *Scedosporium dehoogii* F41-4 by NMR-guided isolation

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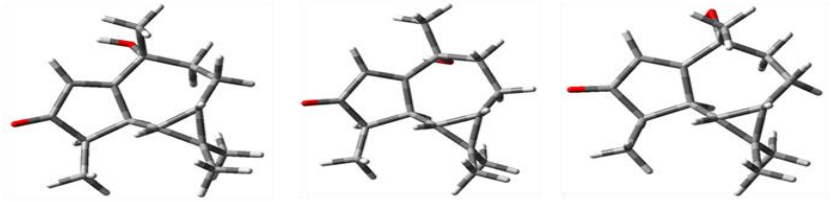
FigS1. The most stable conformers of **1**-**3**, **6**-**8** calculated at the B3LYP/6-31+G(d) level. Relative populations are in parentheses.

1



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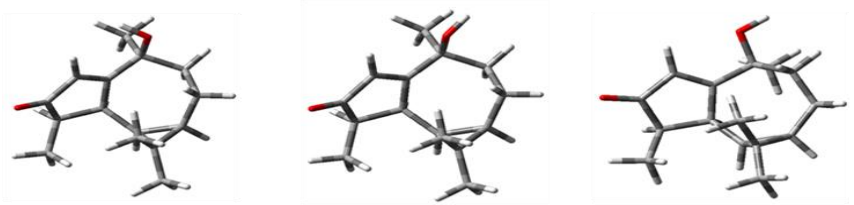

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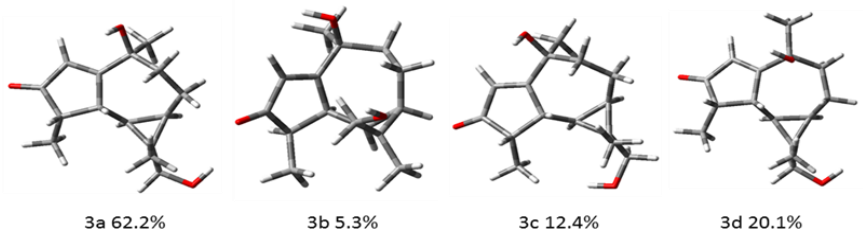

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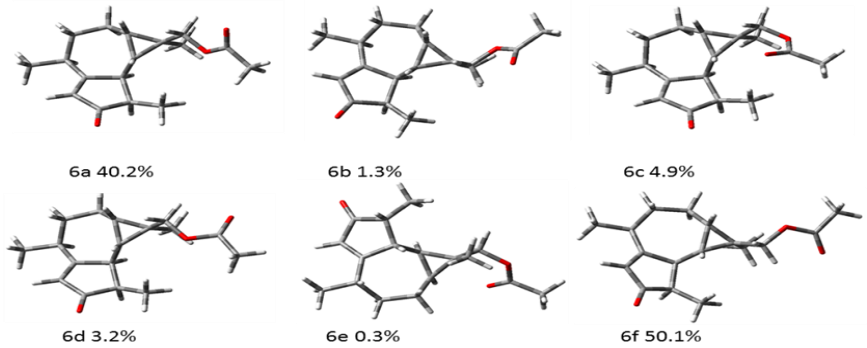

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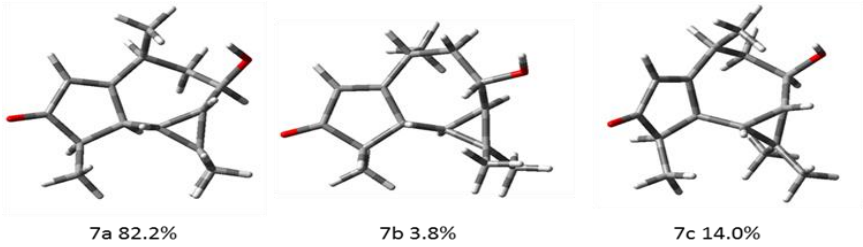

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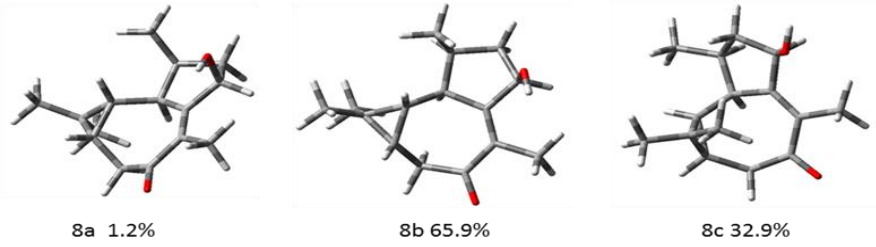


Figure S2. Comparison of the experimental ECD and the calculated ECD spectra of **2-3**, **6-7**

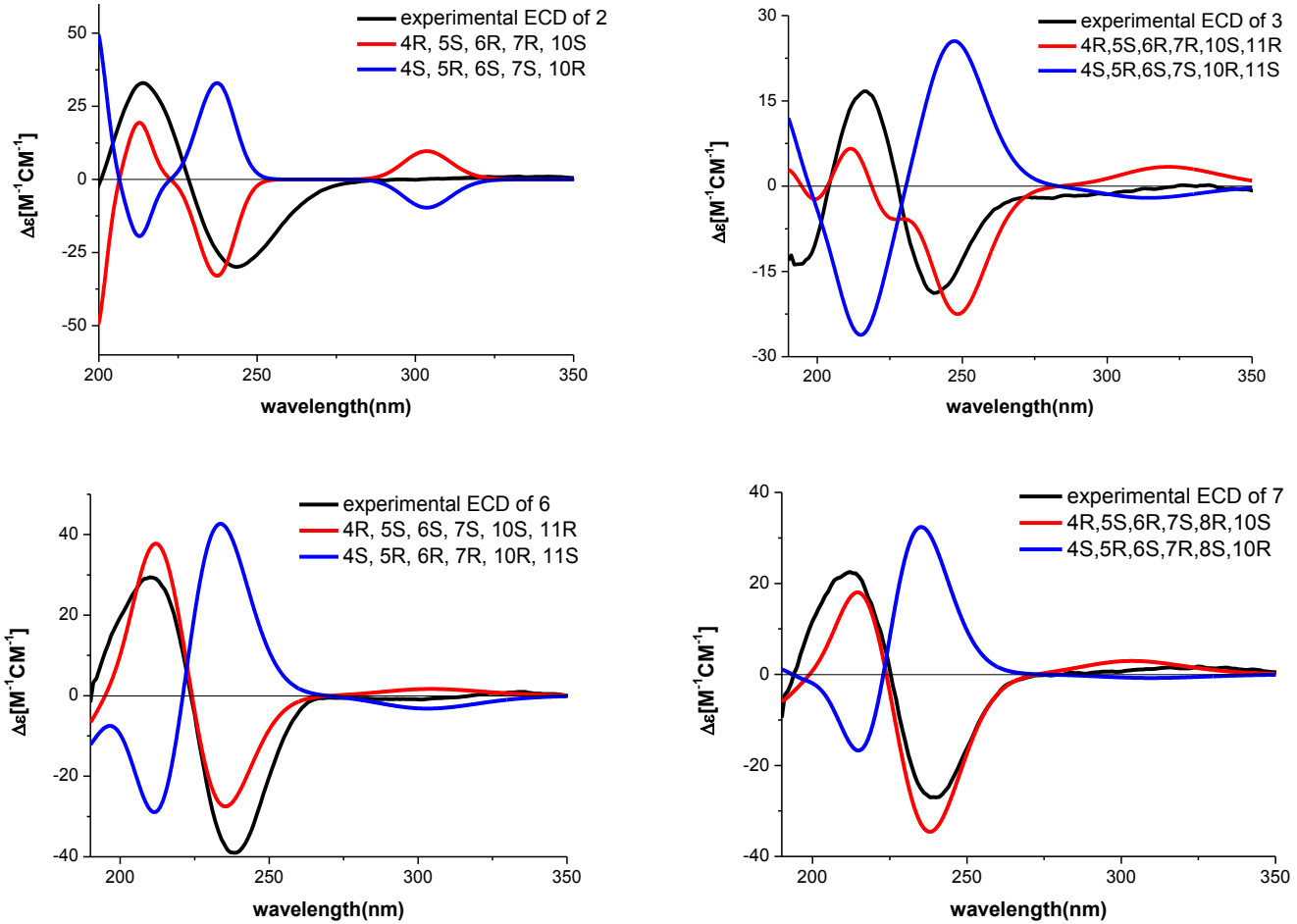
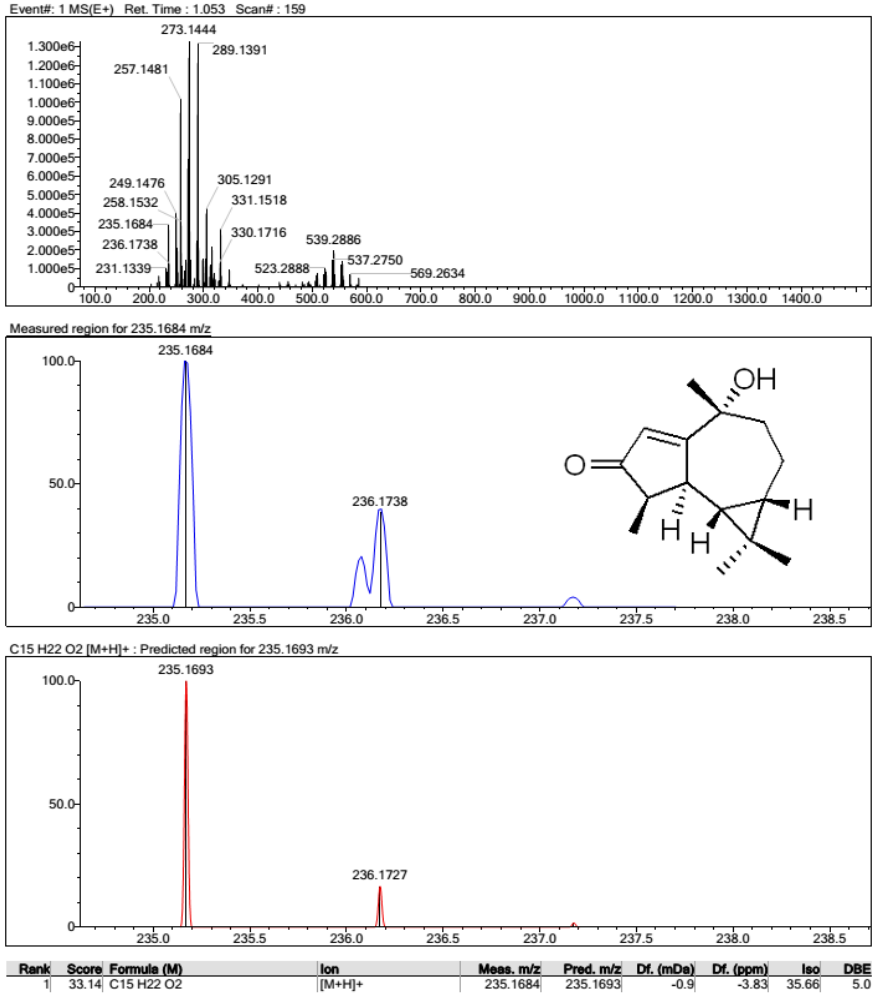


Figure S3. HR-ESI-MS spectrum of scedogiine A **(1)**



Rank	Score	Formula (M)	Ion	Meas. m/z	Pred. m/z	Df. (mDa)	Df. (ppm)	Iso	DBE
1	33.14	C15 H22 O2	[M+H]+	235.1684	235.1693	-0.9	-3.83	35.66	5.0

Figure S4. ^{1}H-NMR spectrum of scedogiine A **(1)** in $CDCl_3$ (400MHz)

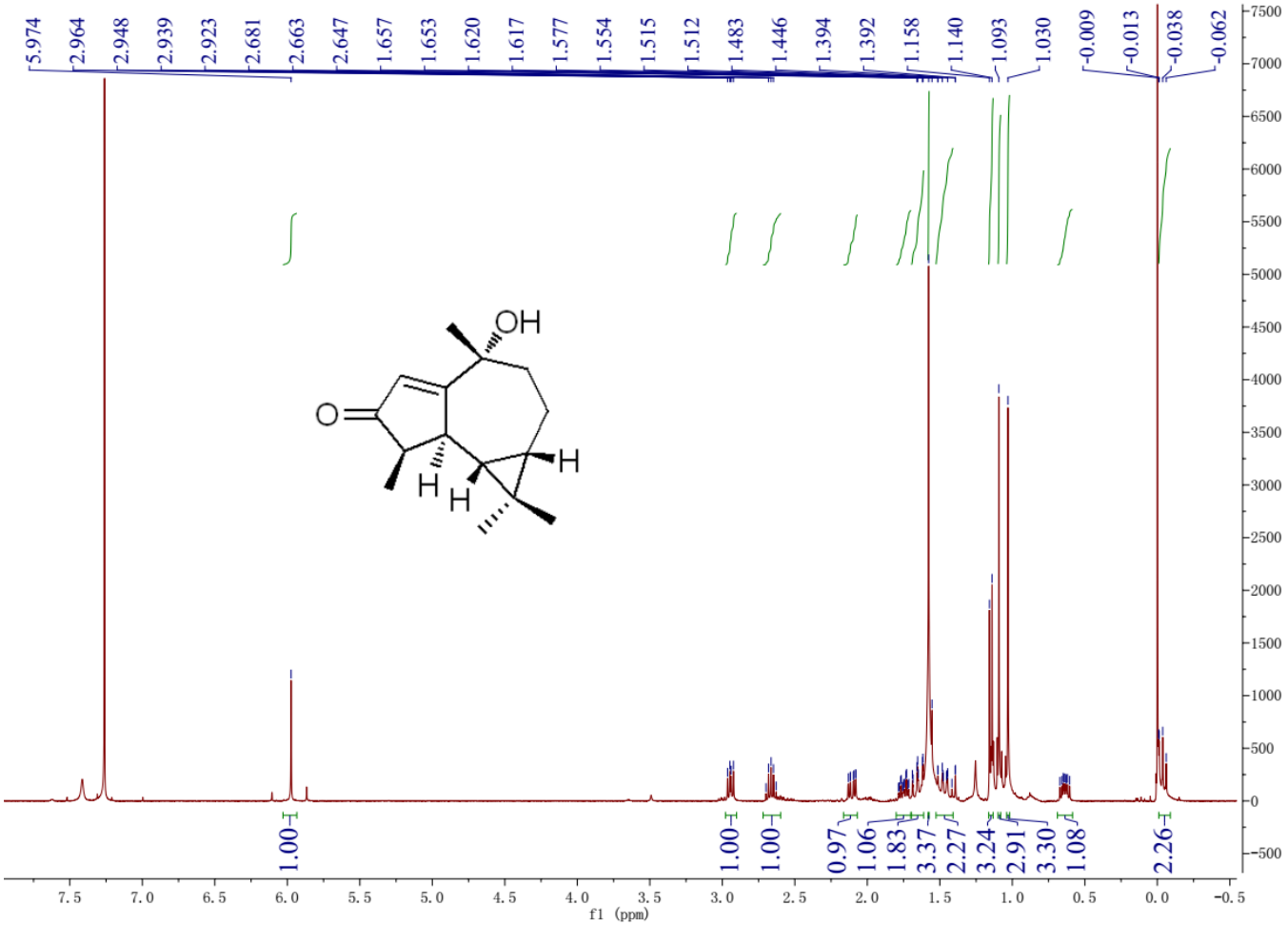


Figure S5. ^{13}C NMR spectrum of scedogiine A **(1)** in $CDCl_3$ (100MHz)

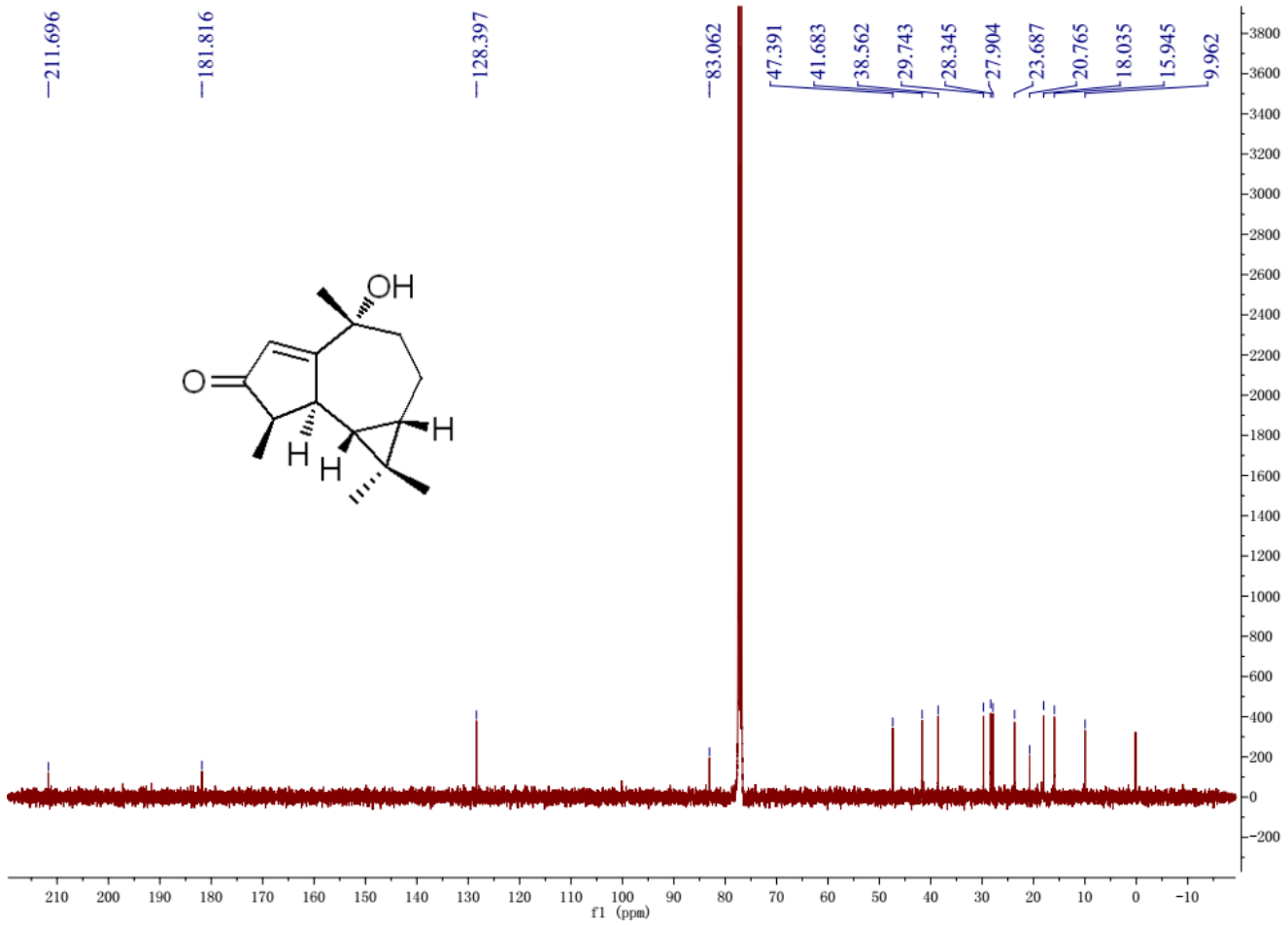


Figure S6. DEPT 135 spectum of scedogiine A **(1)** in $CDCl_3$ (100MHz)

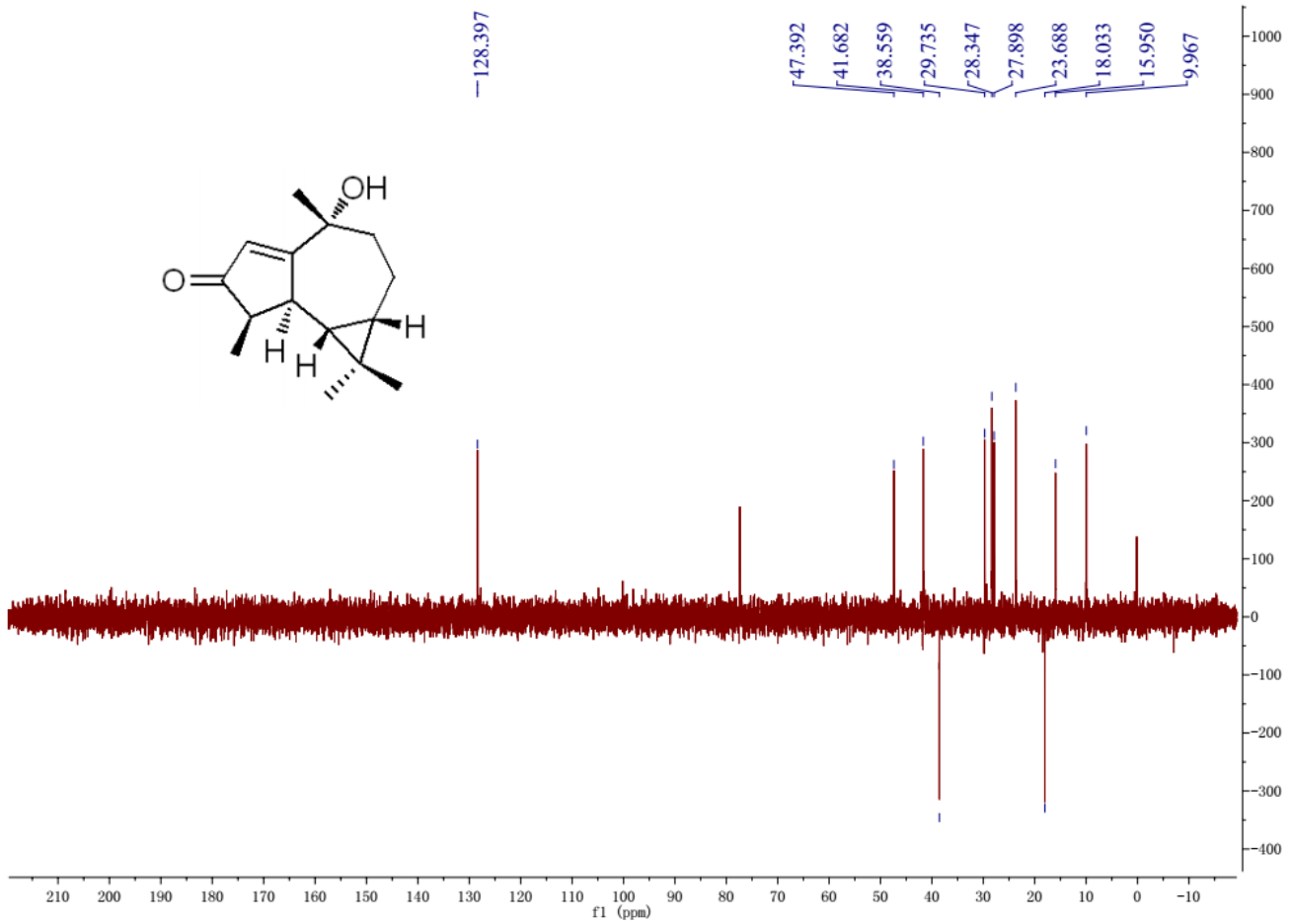


Figure S7. HMQC spectrum of scedogiine A **(1)** in $CDCl_3$

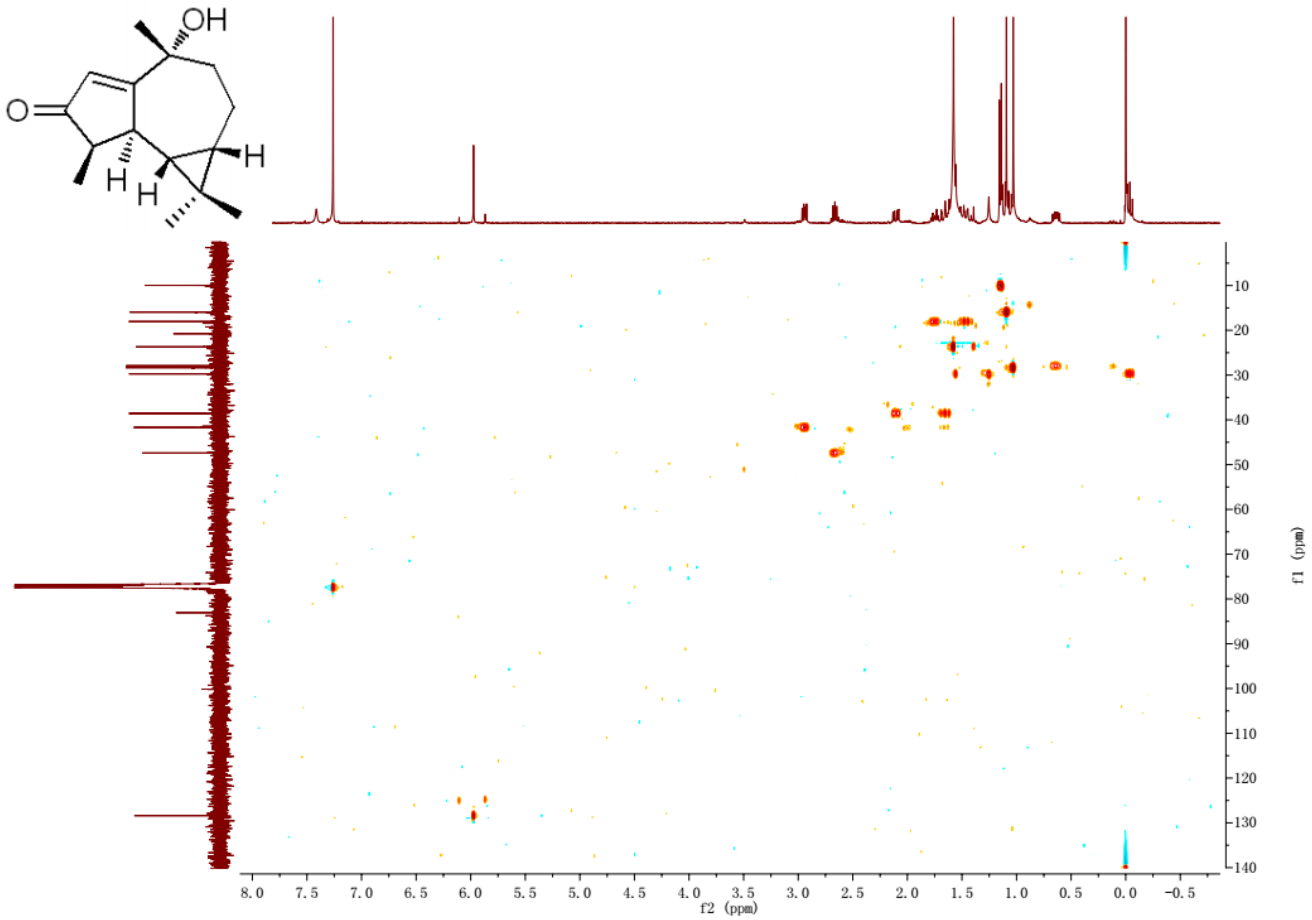


Figure S8. ^{1}H-^{1}H COSY spectrum of scedogiine A **(1)** in $CDCl_3$

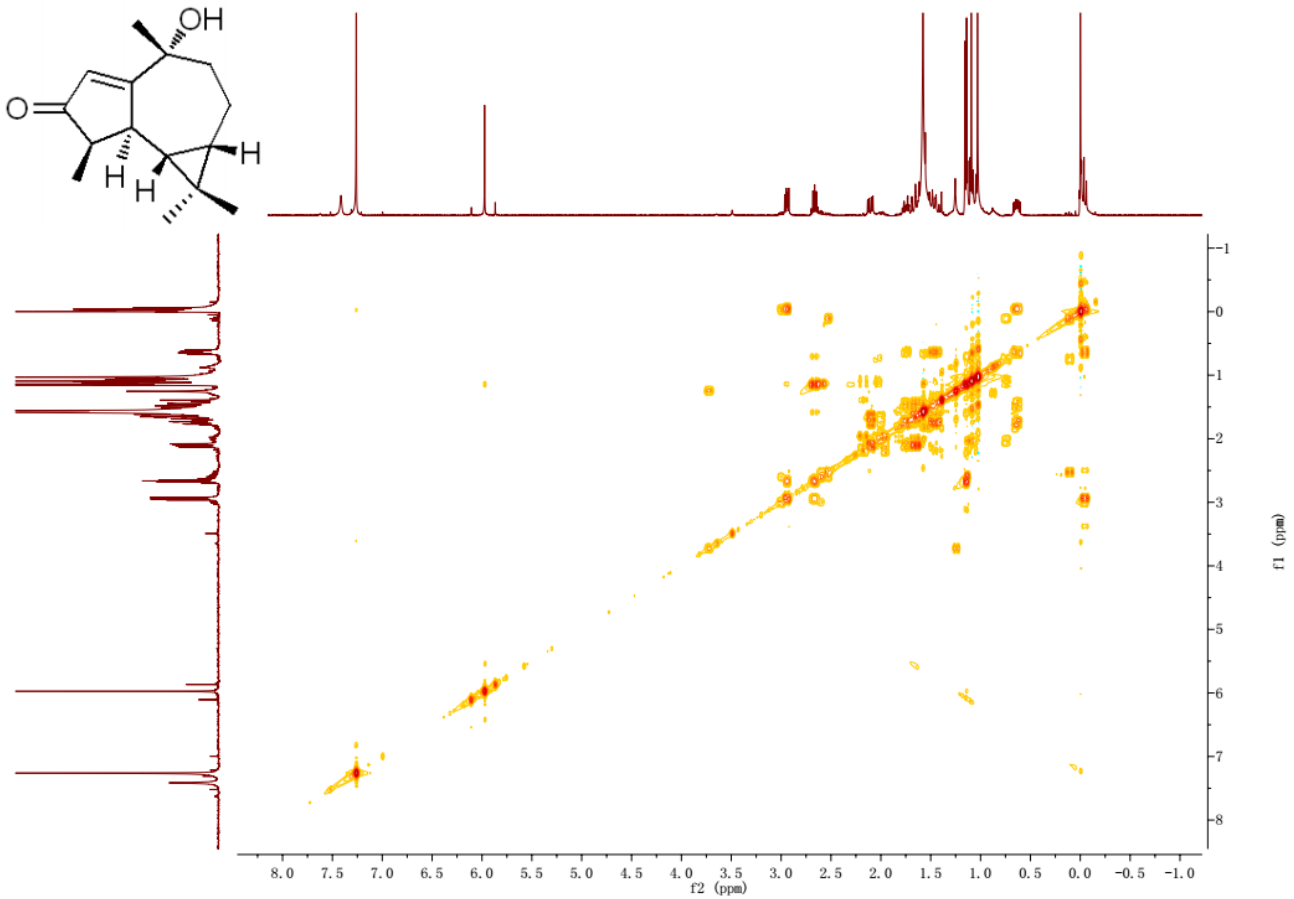


Figure S9. HMBC spectrum of scedogiine A **(1)** in $CDCl_3$

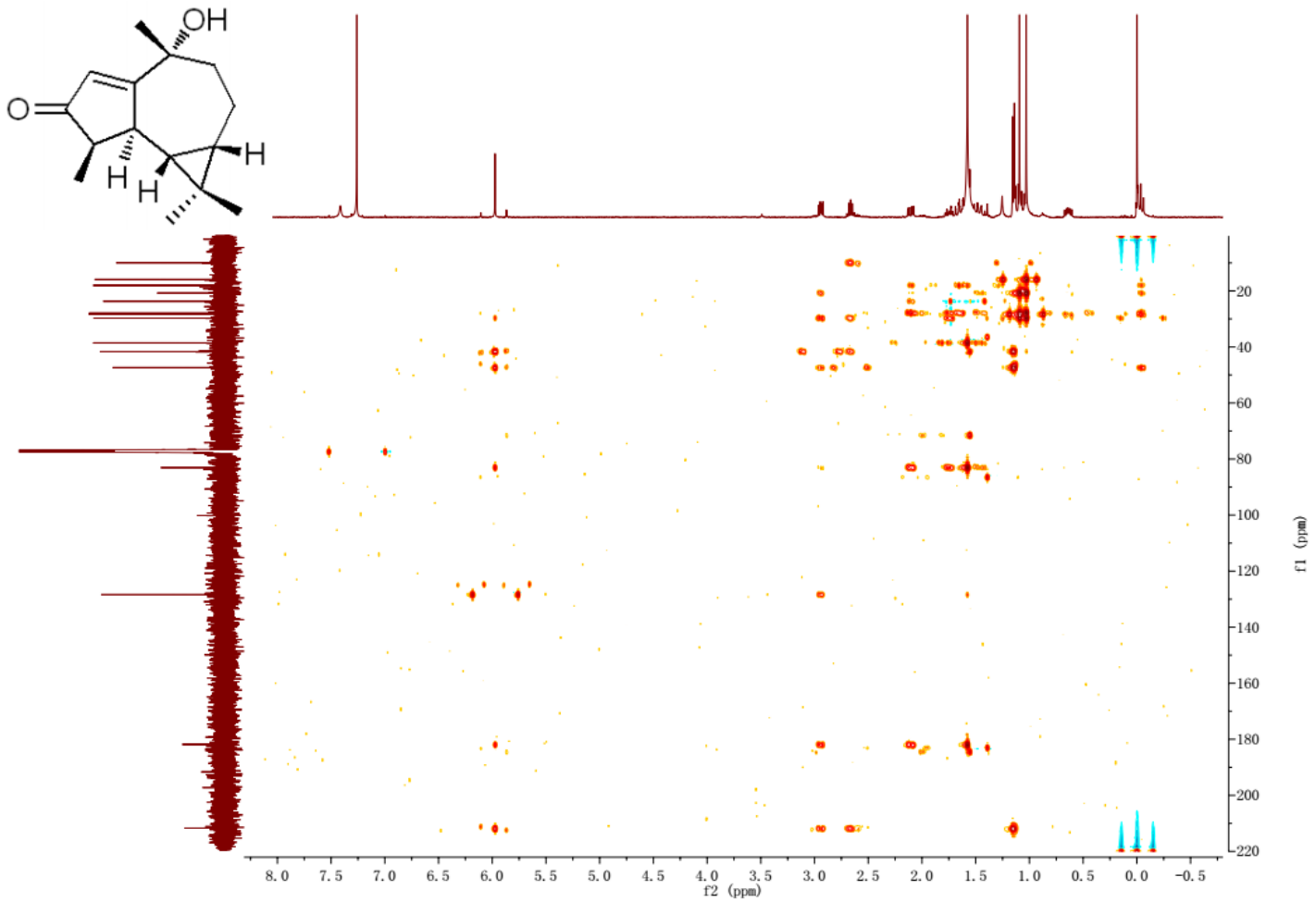


Figure S10. NOESY spectrum of scedogiine A **(1)** in $CDCl_3$

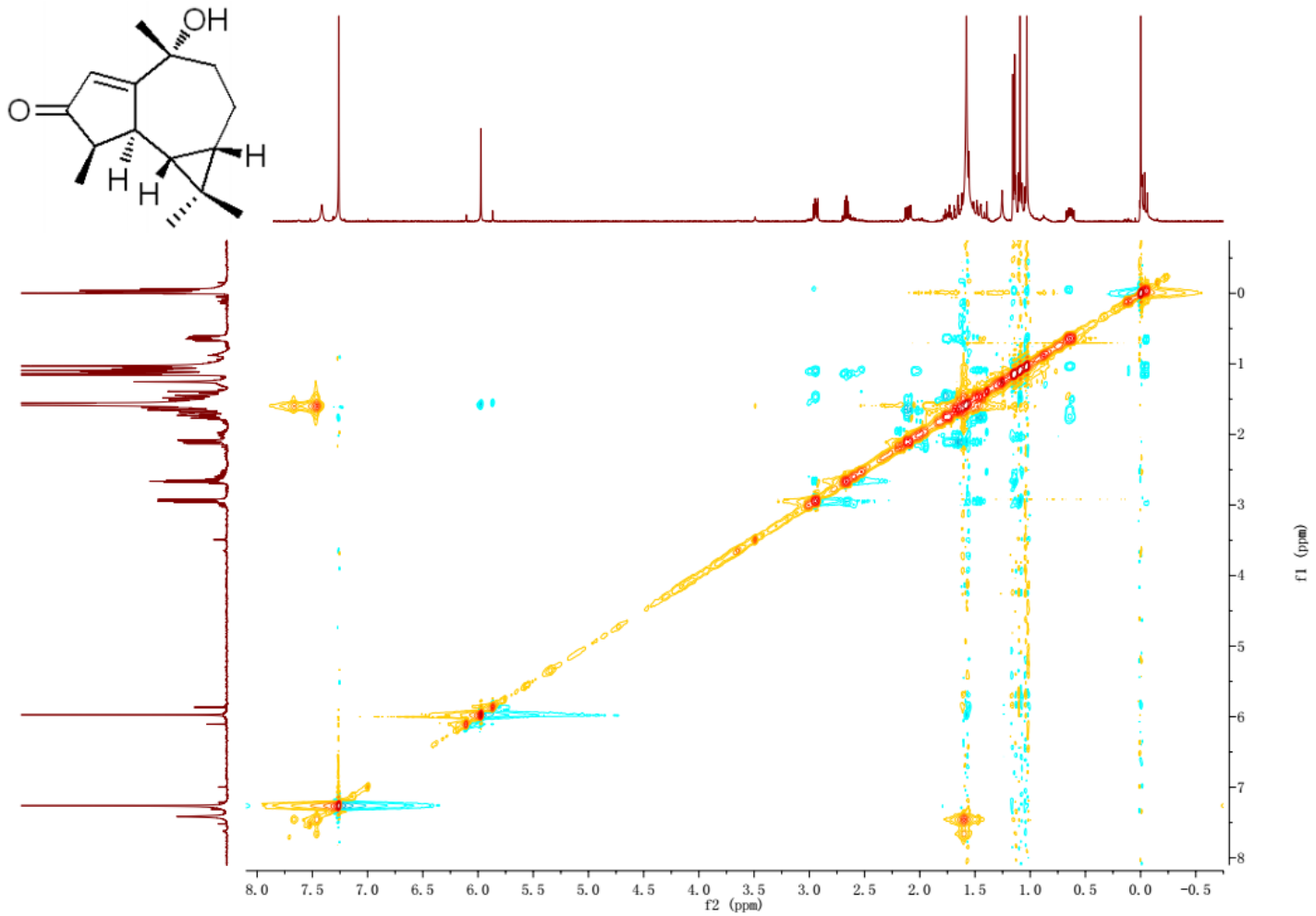


Figure S11. ^{1}H-NMR spectrum of scedogiine A **(1)** in acetone-d_6 (400MHz)

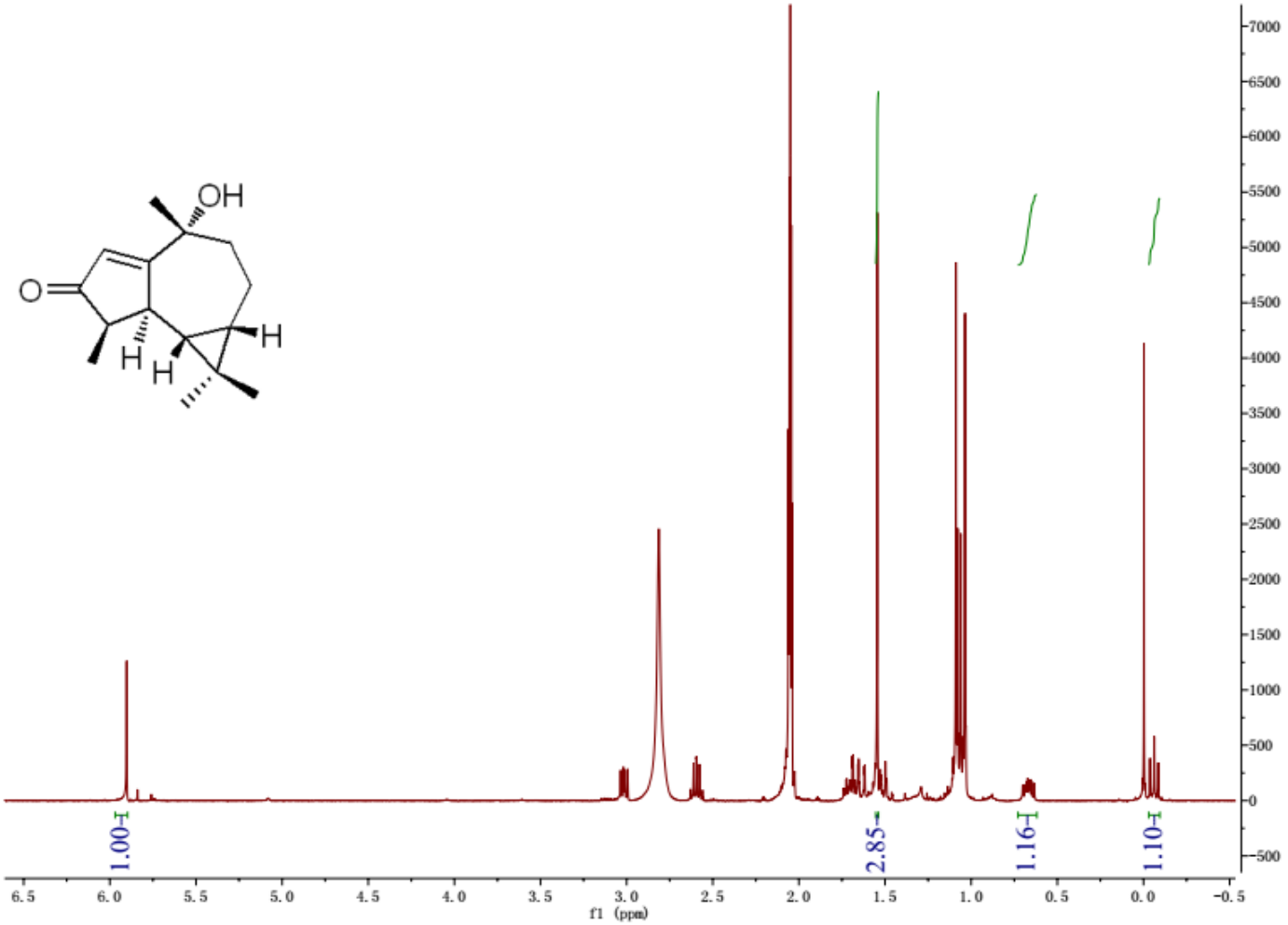


Figure S12. ^{1}H-NMR spectrum of scedogiine A **(1)** in CD_3OD (400MHz)

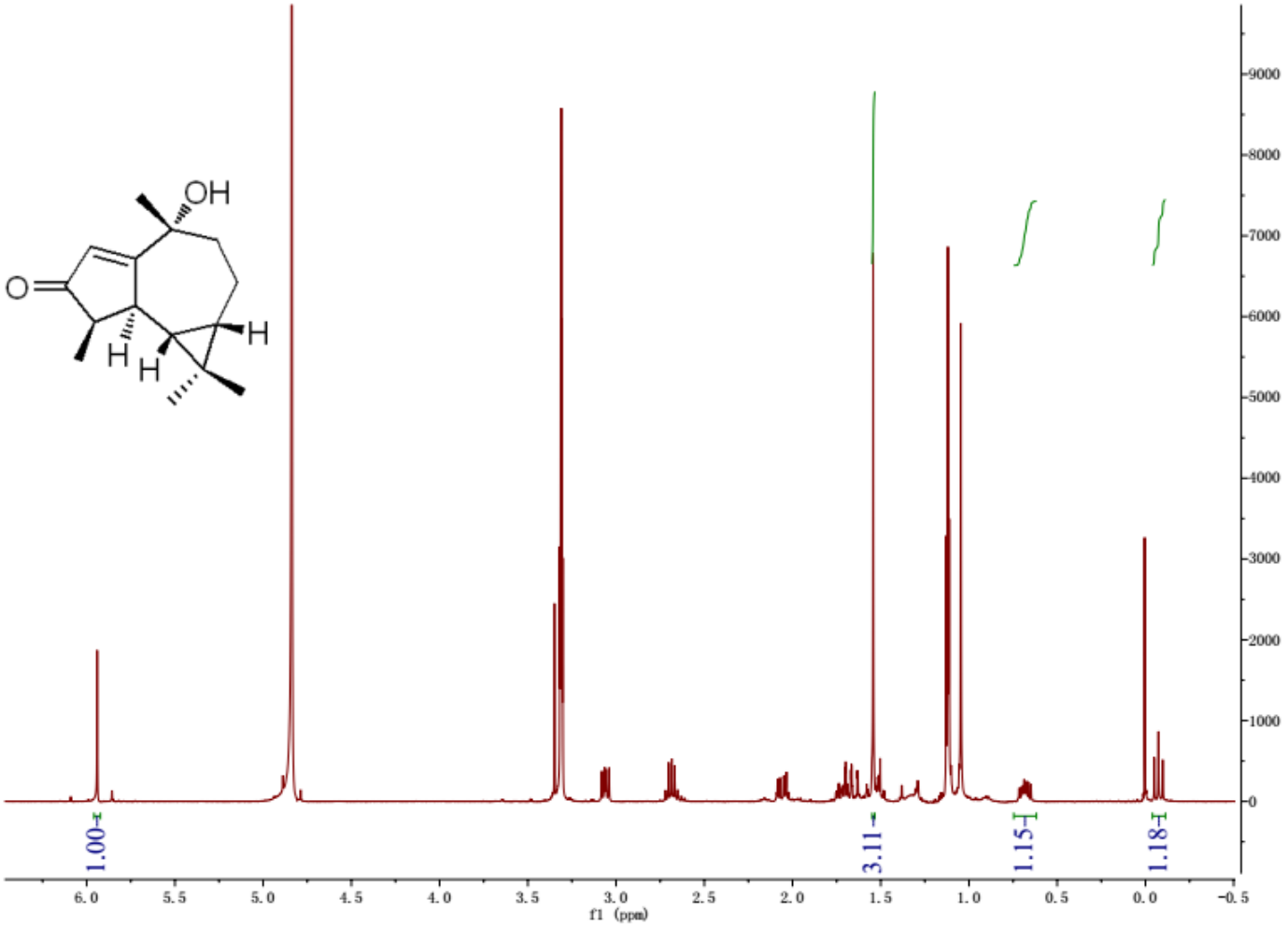
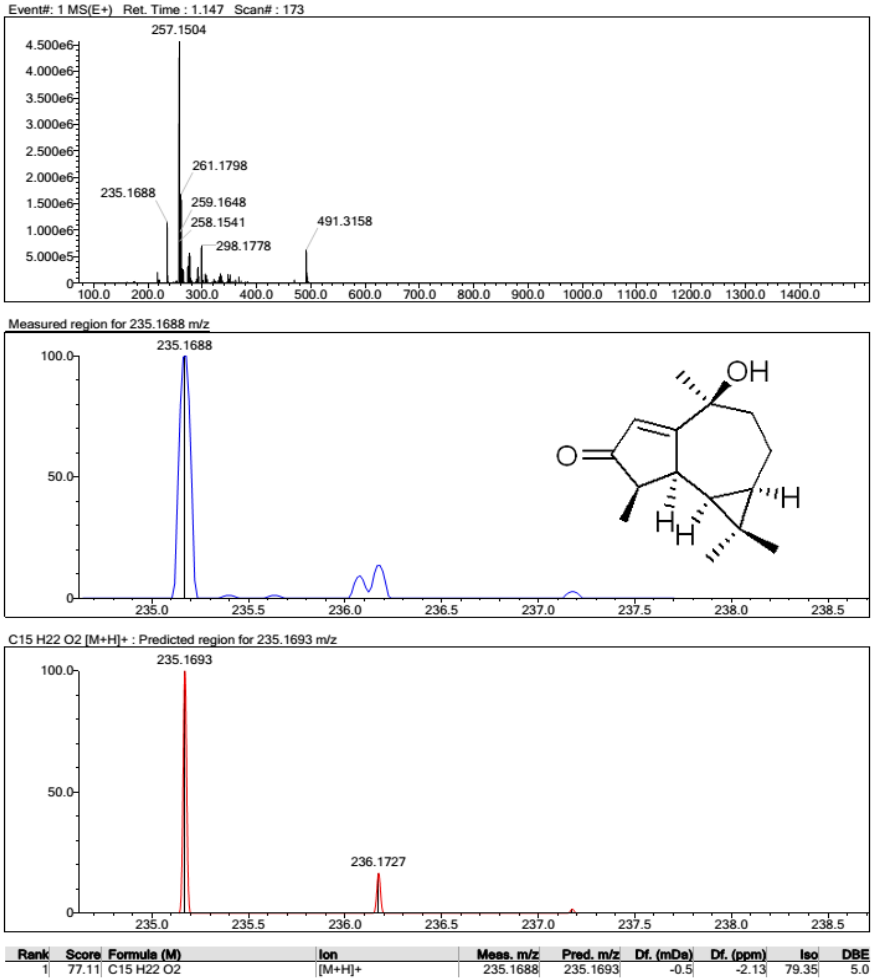


Figure S13. HR-ESI-MS spectrum of scedogiine B **(2)**



Rank	Score	Formula (M)	Ion	Meas. m/z	Pred. m/z	Df. (mDa)	Df. (ppm)	Iso	DBE
1	77.11	C15 H22 O2	[M+H]+	235.1688	235.1693	-0.5	-2.13	79.35	5.0

Figure S14. ^{1}H-NMR spectrum of scedogiine B **(2)** in $CDCl_3$ (400MHz)

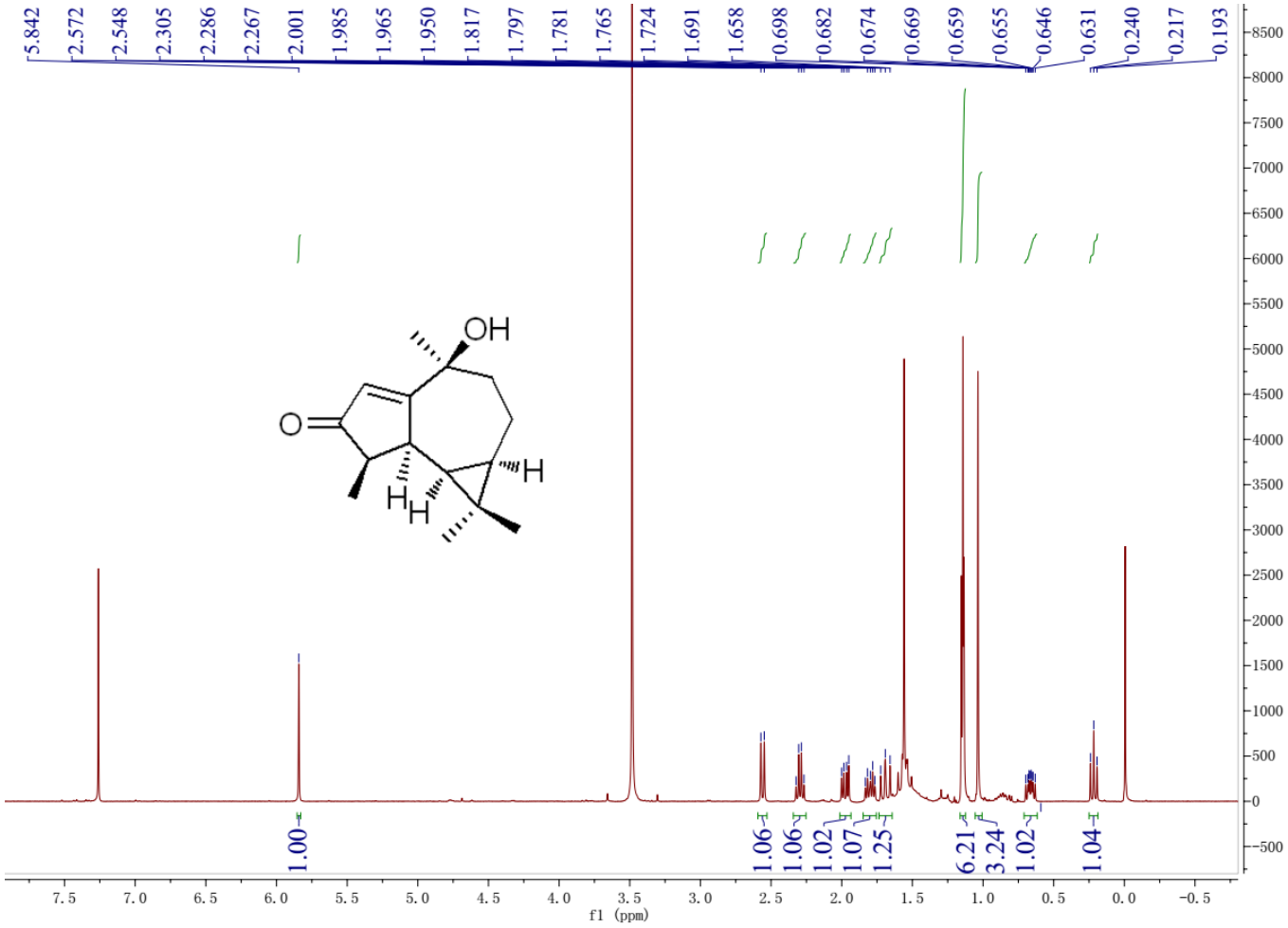


Figure S15. ^{13}C NMR spectrum of scedogiine B **(2)** in $CDCl_3$ (100MHz)

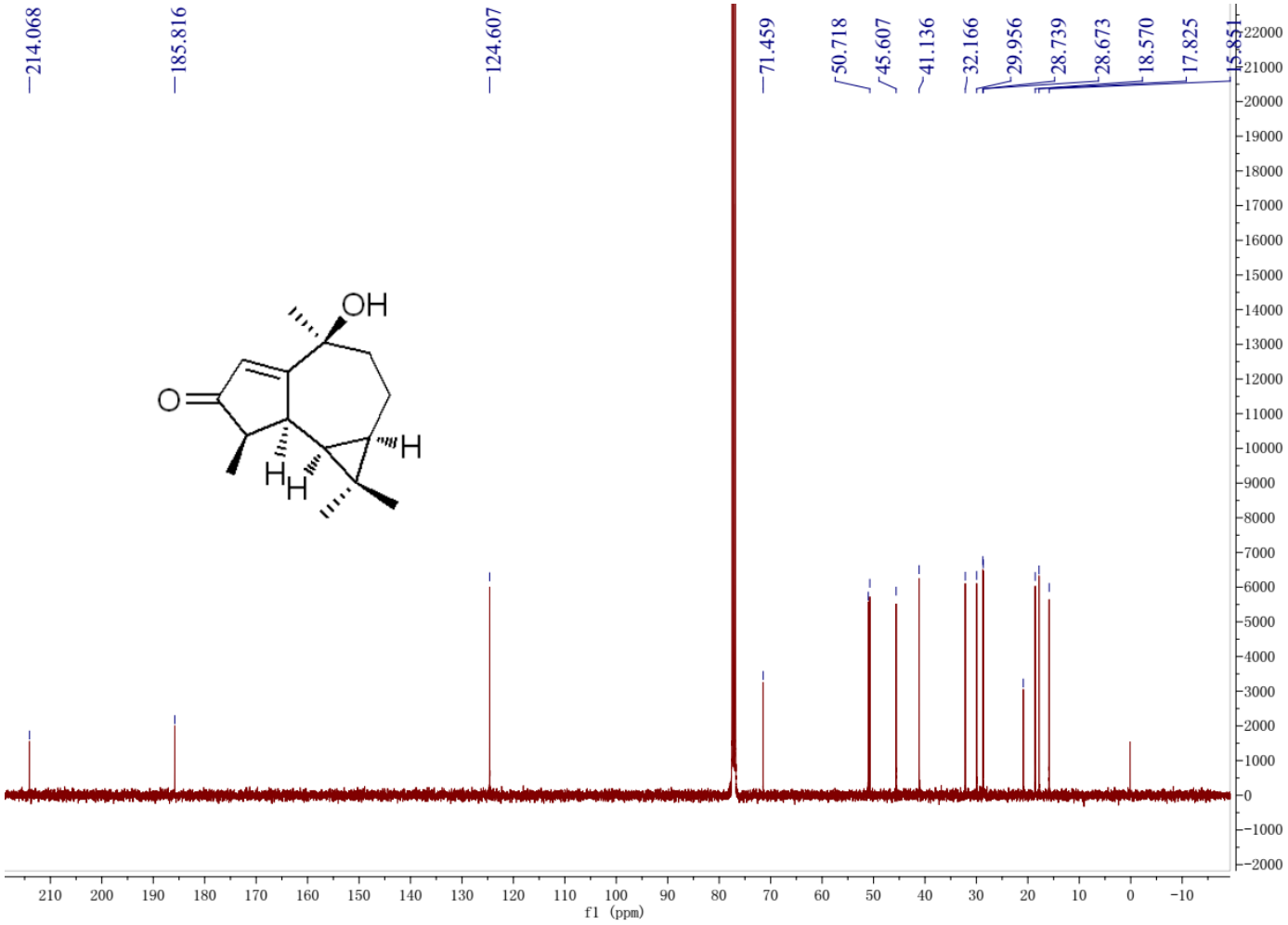


Figure S16. DEPT 135 spectrum of scedogiine B **(2)** in $CDCl_3$ (100MHz)

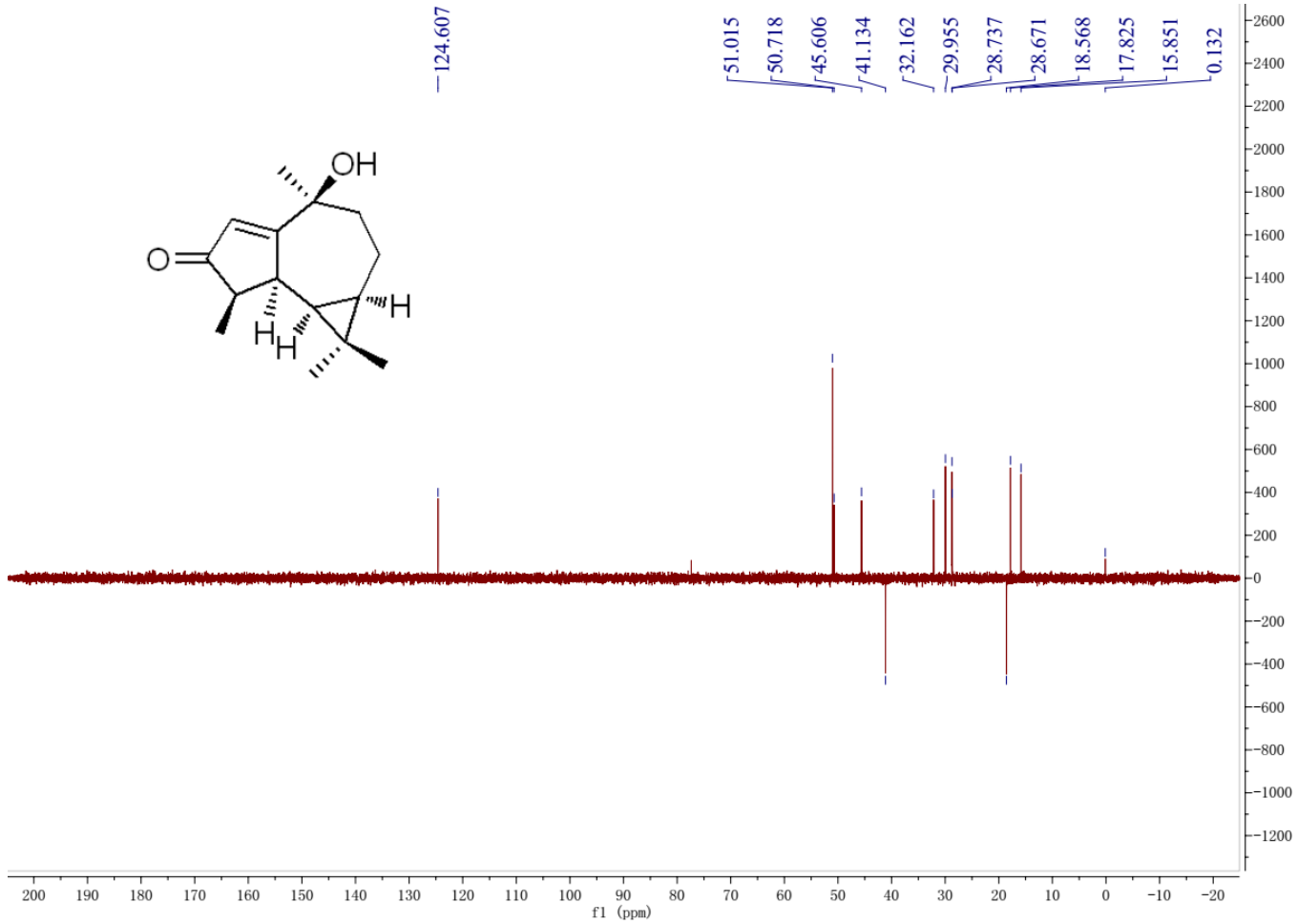


Figure S17. HMQC spectrum of scedogiine B **(2)** in $CDCl_3$

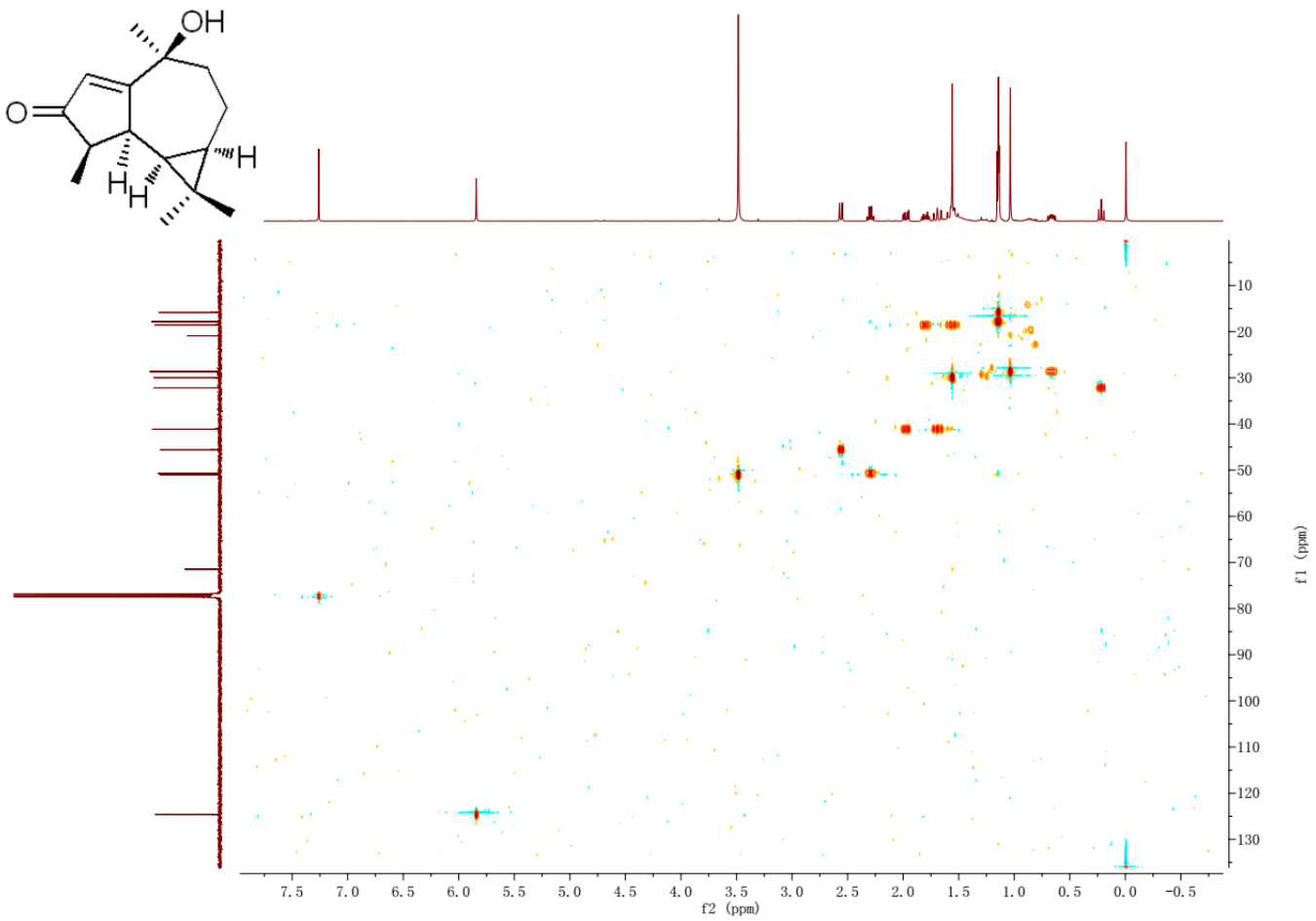


Figure S18. ^{1}H-^{1}H COSY spectrum of scedogiine B **(2)** in $CDCl_3$

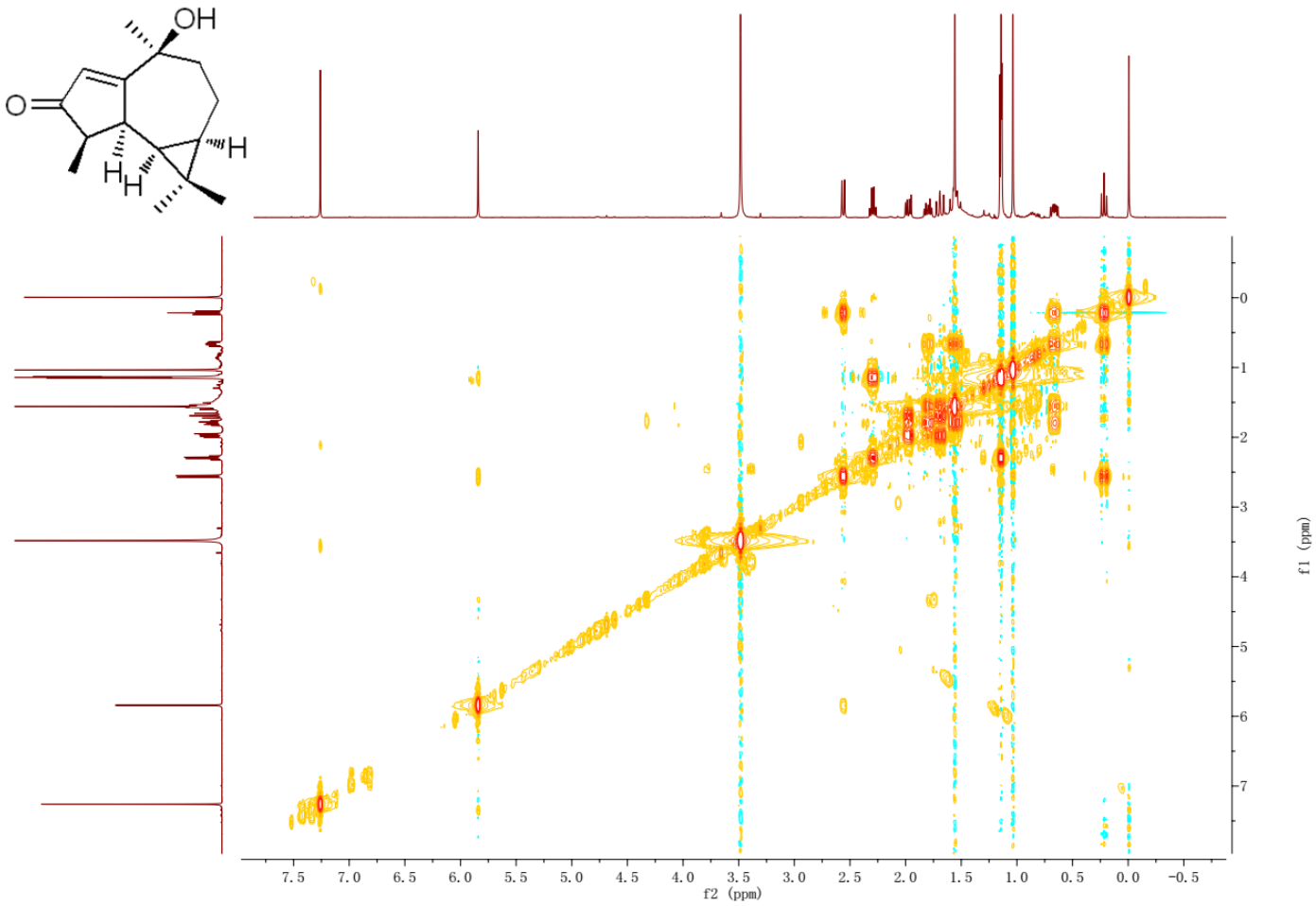


Figure S19. HMBC spectrum of scedogiine B **(2)** in $CDCl_3$

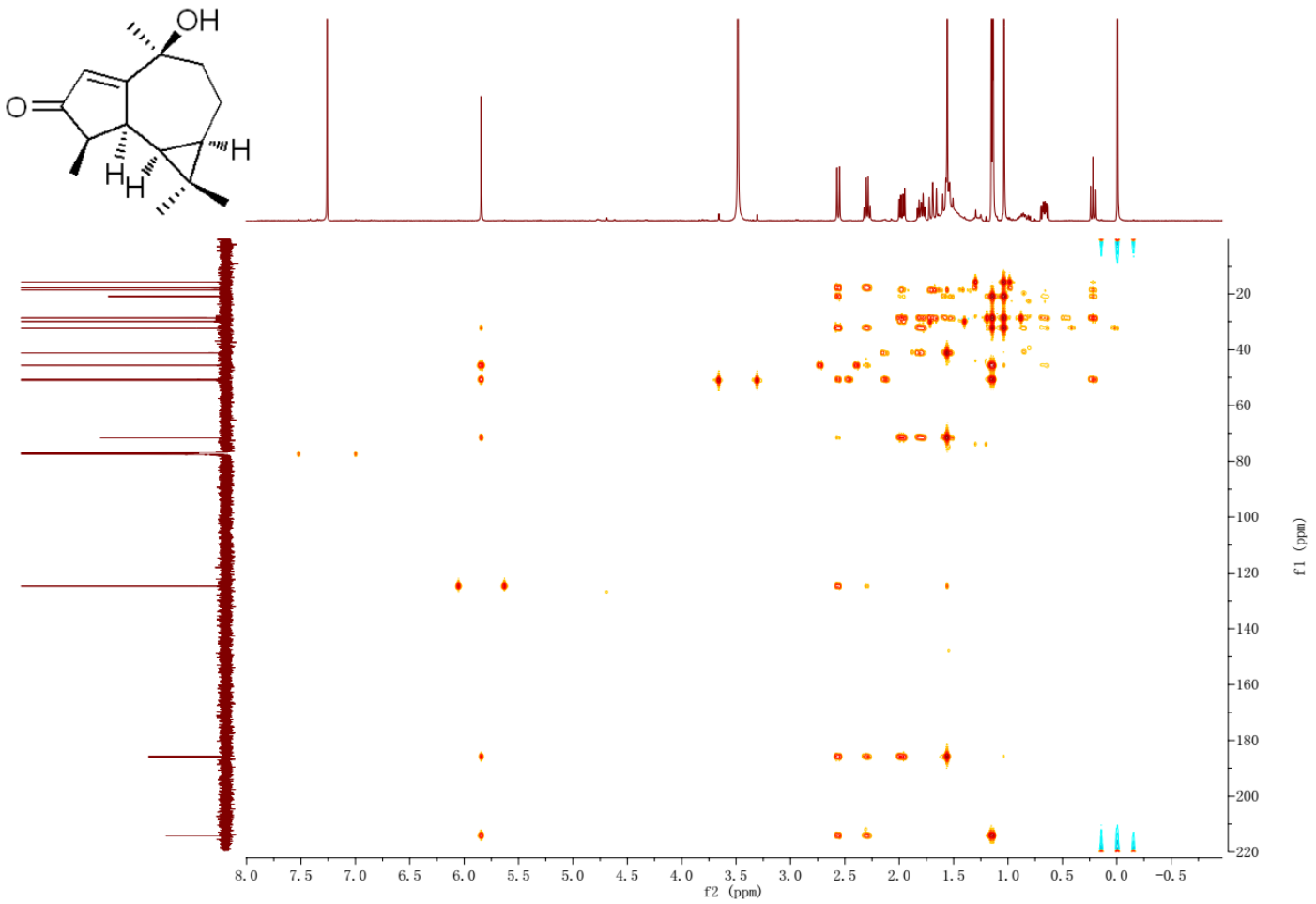


Figure S20. NOESY spectrum of scedogiine B **(2)** in $CDCl_3$

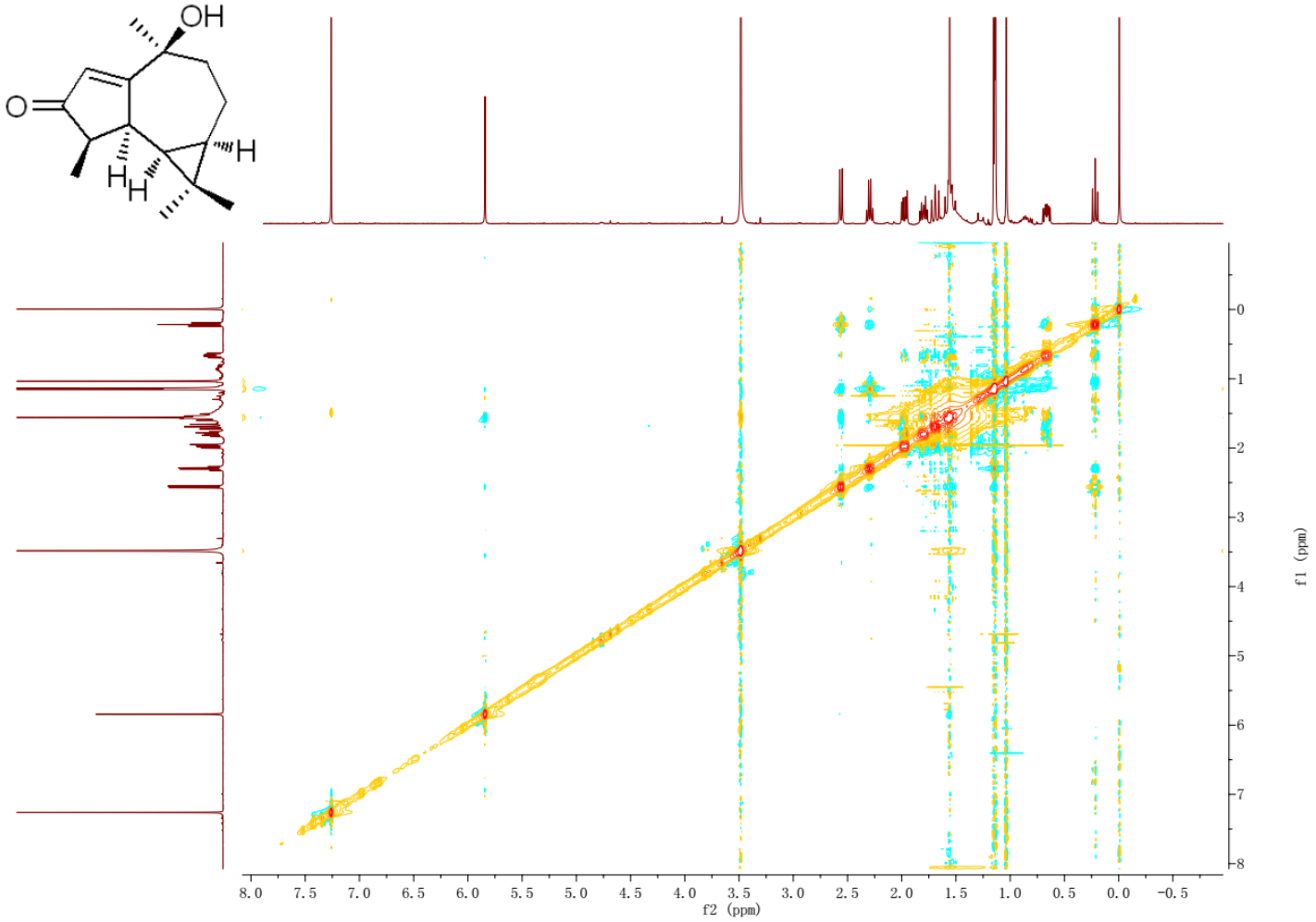
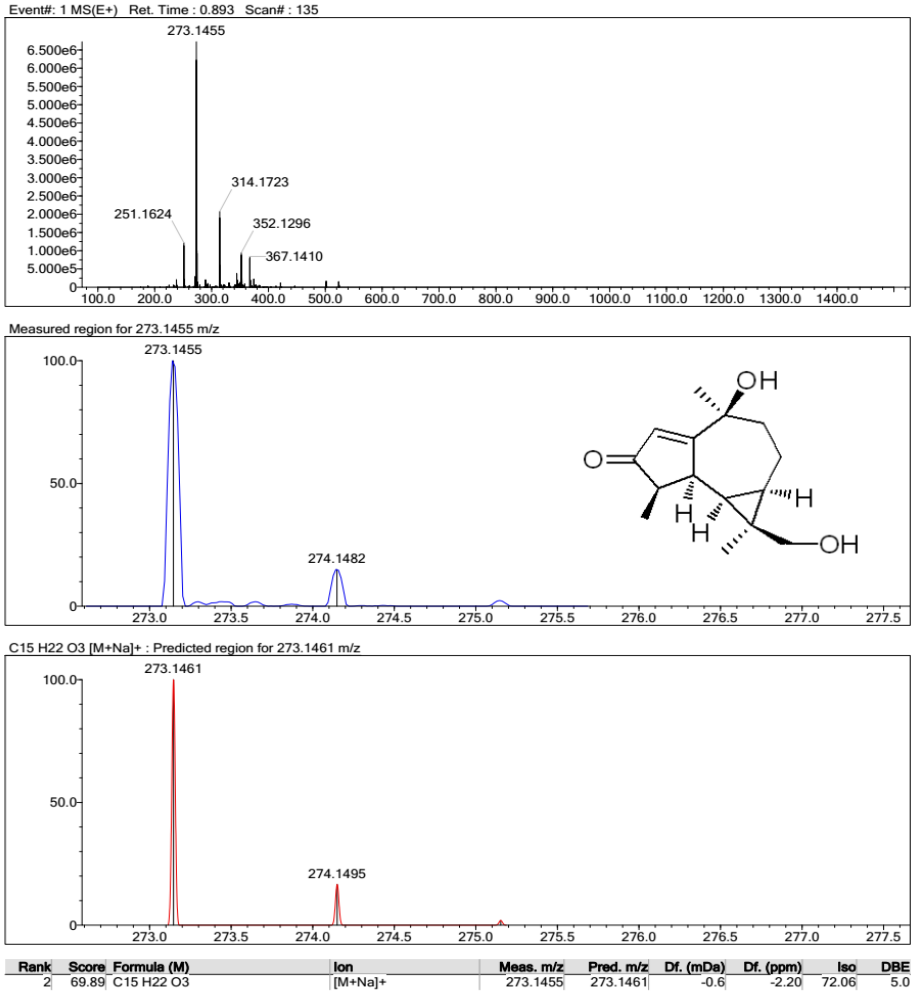


Figure S21. HR-ESI-MS spectrum of scedogiine C **(3)**



Rank	Score	Formula (M)	Ion	Meas. m/z	Pred. m/z	Df. (mDa)	Df. (ppm)	Iso	DBE
2	69.89	C15 H22 O3	[M+Na]+	273.1455	273.1461	-0.6	-2.20	72.06	5.0

Figure S22. ^{1}H-NMR spectrum of scedogiine C **(3)** in $CDCl_3$ (400MHz)

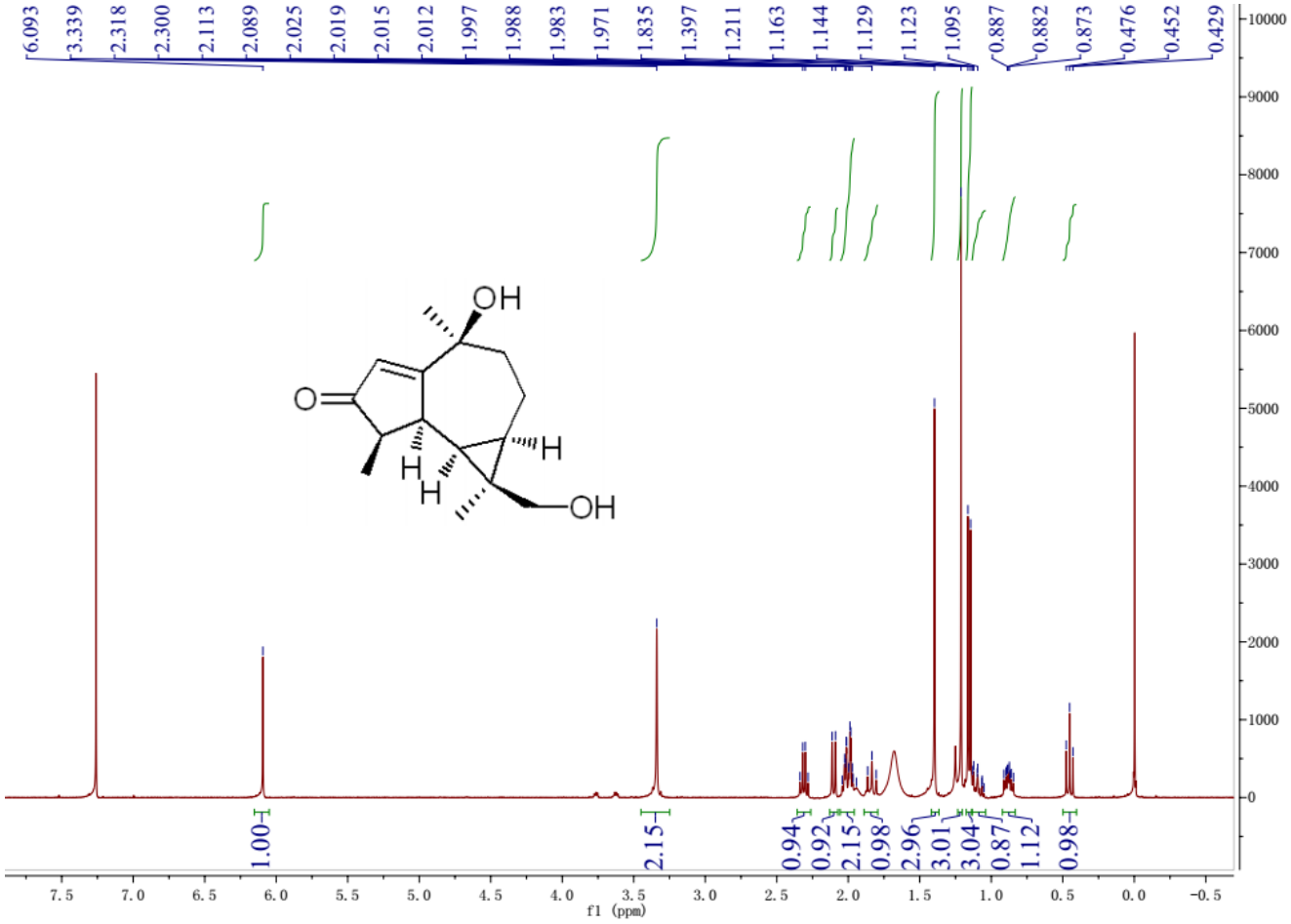


Figure S23. ^{13}C NMR spectrum of scedogiine C **(3)** in $CDCl_3$ (100MHz)

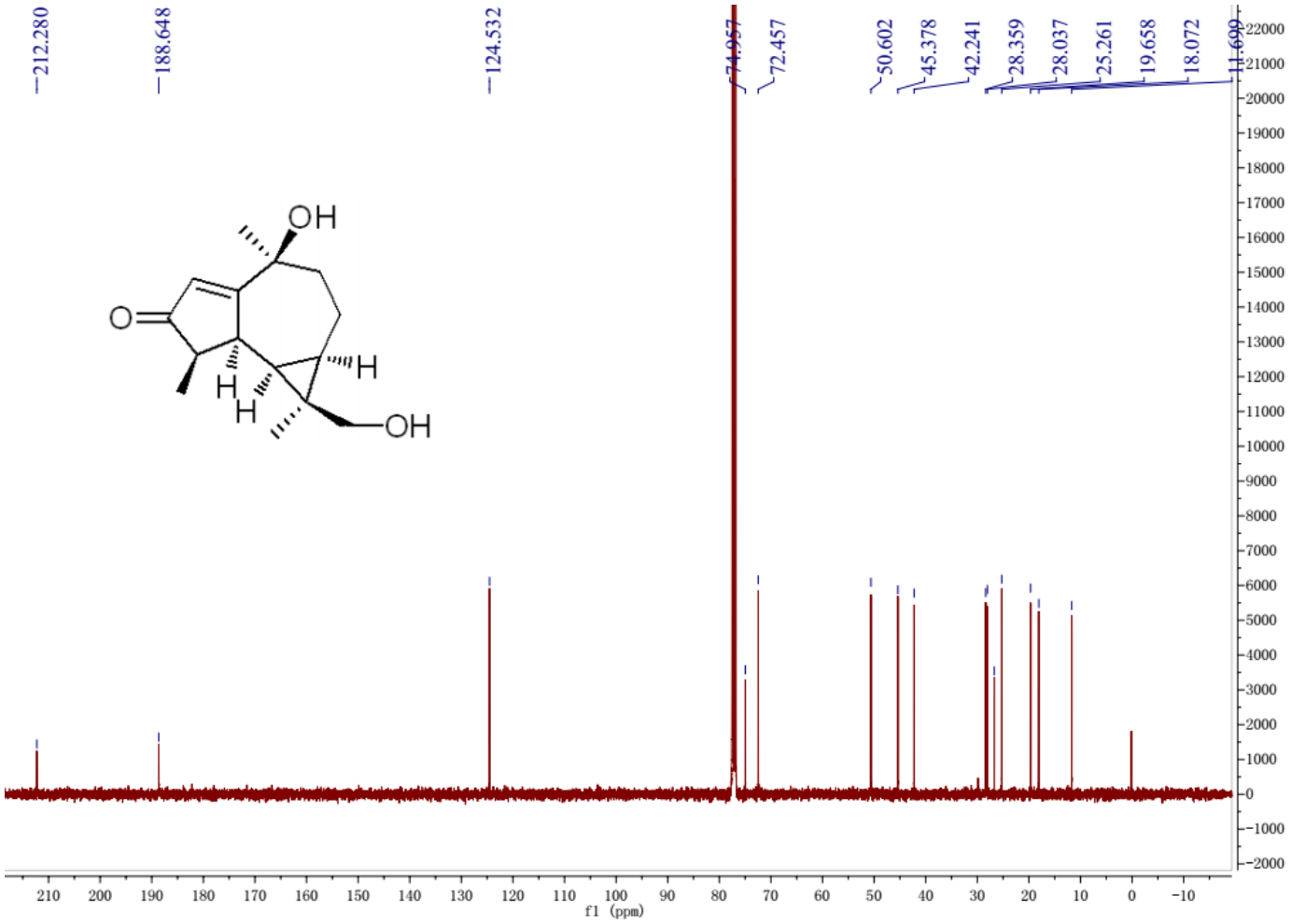


Figure S24. DEPT 135 spectrum of scedogiine C **(3)** in $CDCl_3$ (100MHz)

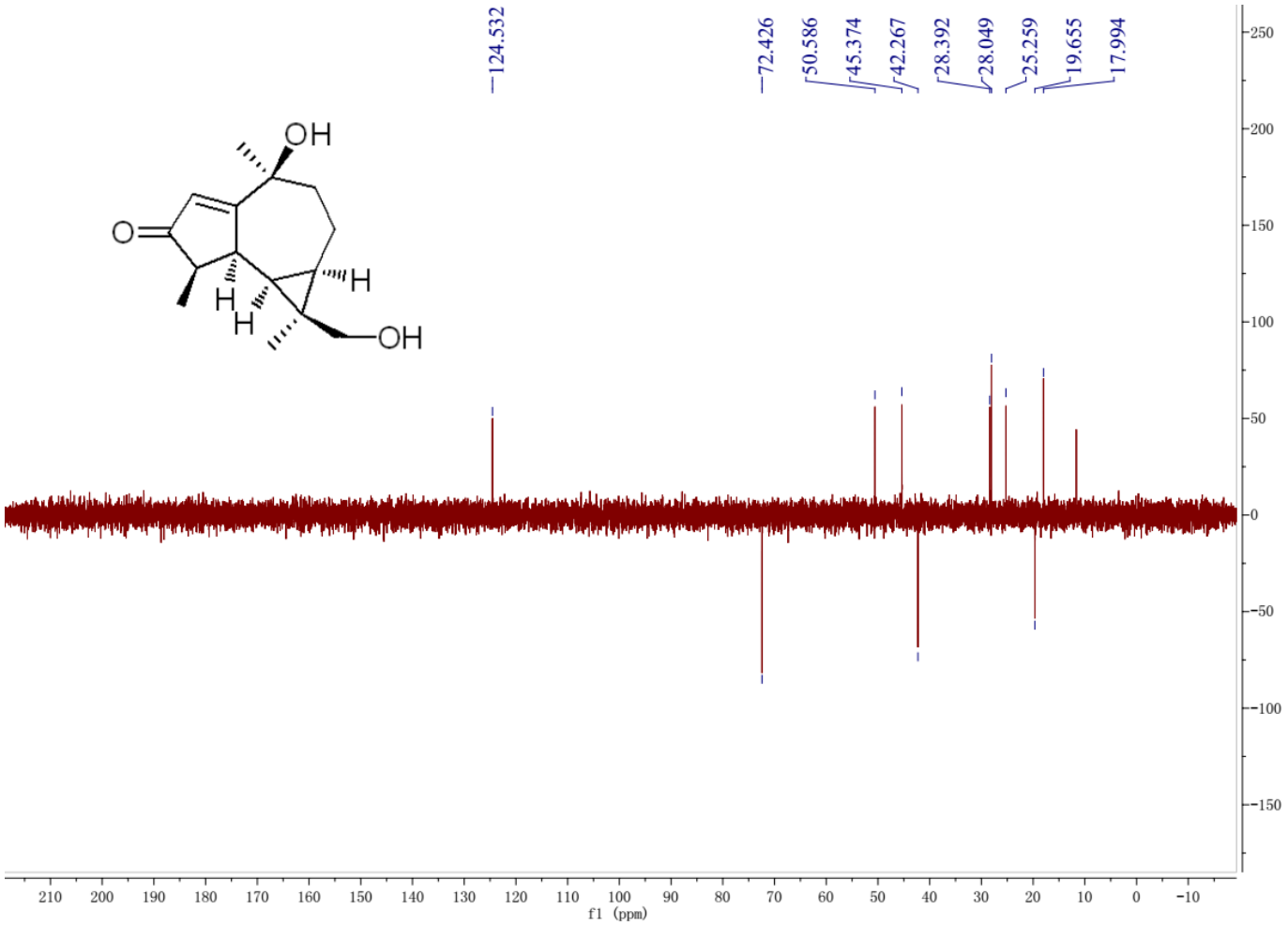


Figure S25. HMQC spectrum of scedogiine C **(3)** in $CDCl_3$

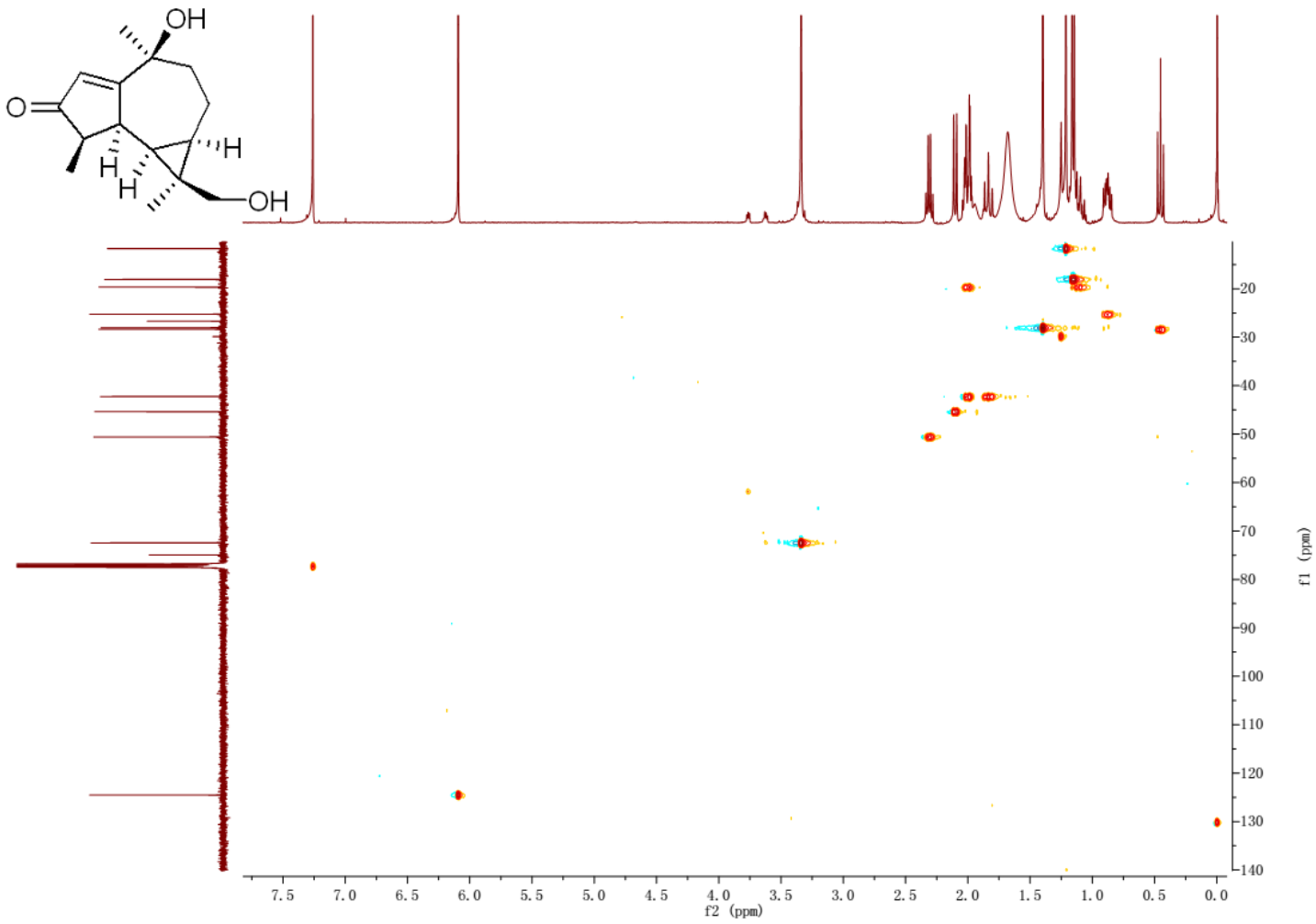


Figure S26. ^{1}H-^{1}H COSY spectrum of scedogiine C **(3)** in $CDCl_3$

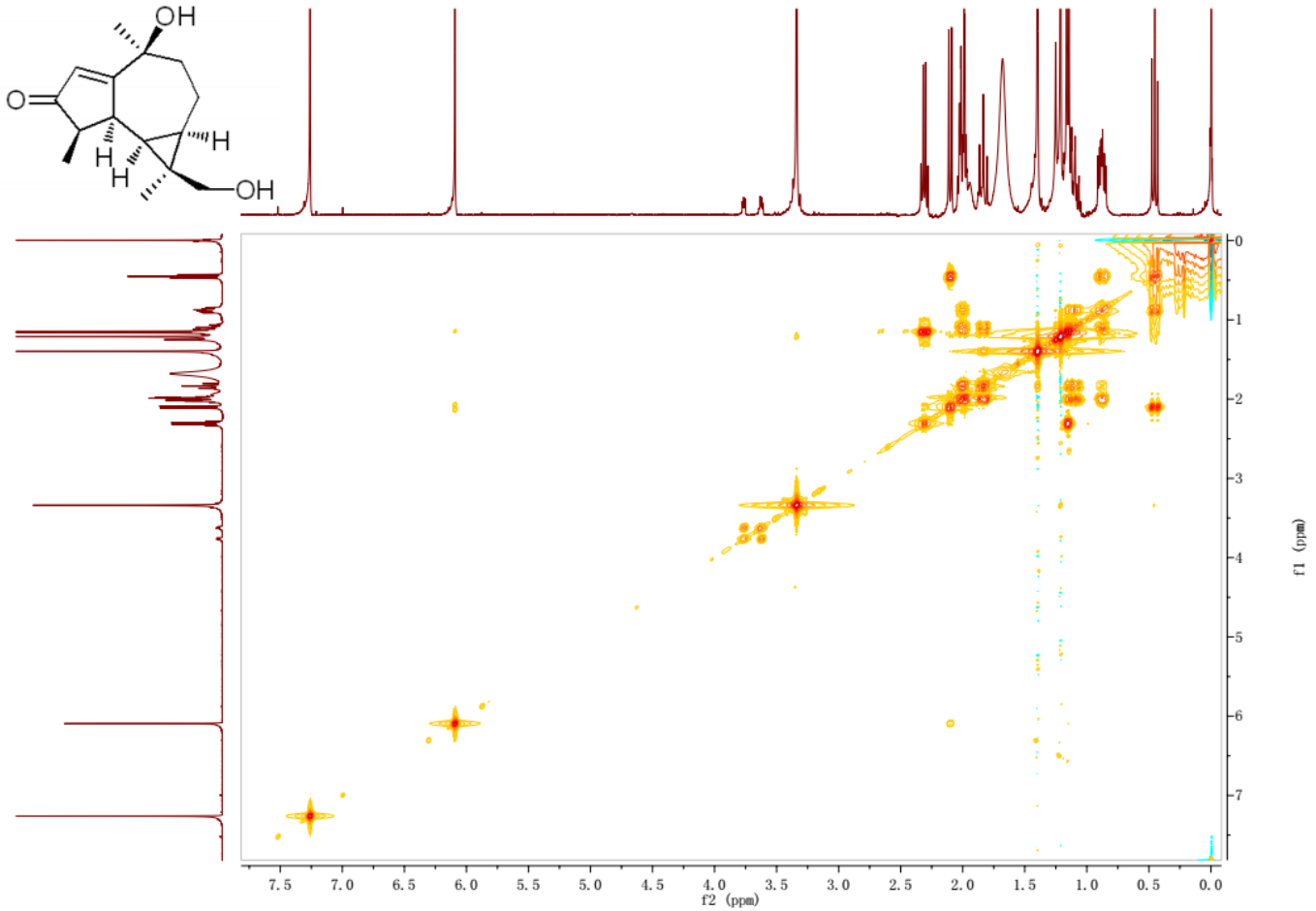


Figure S27. HMBC spectrum of scedogiine C **(3)** in $CDCl_3$

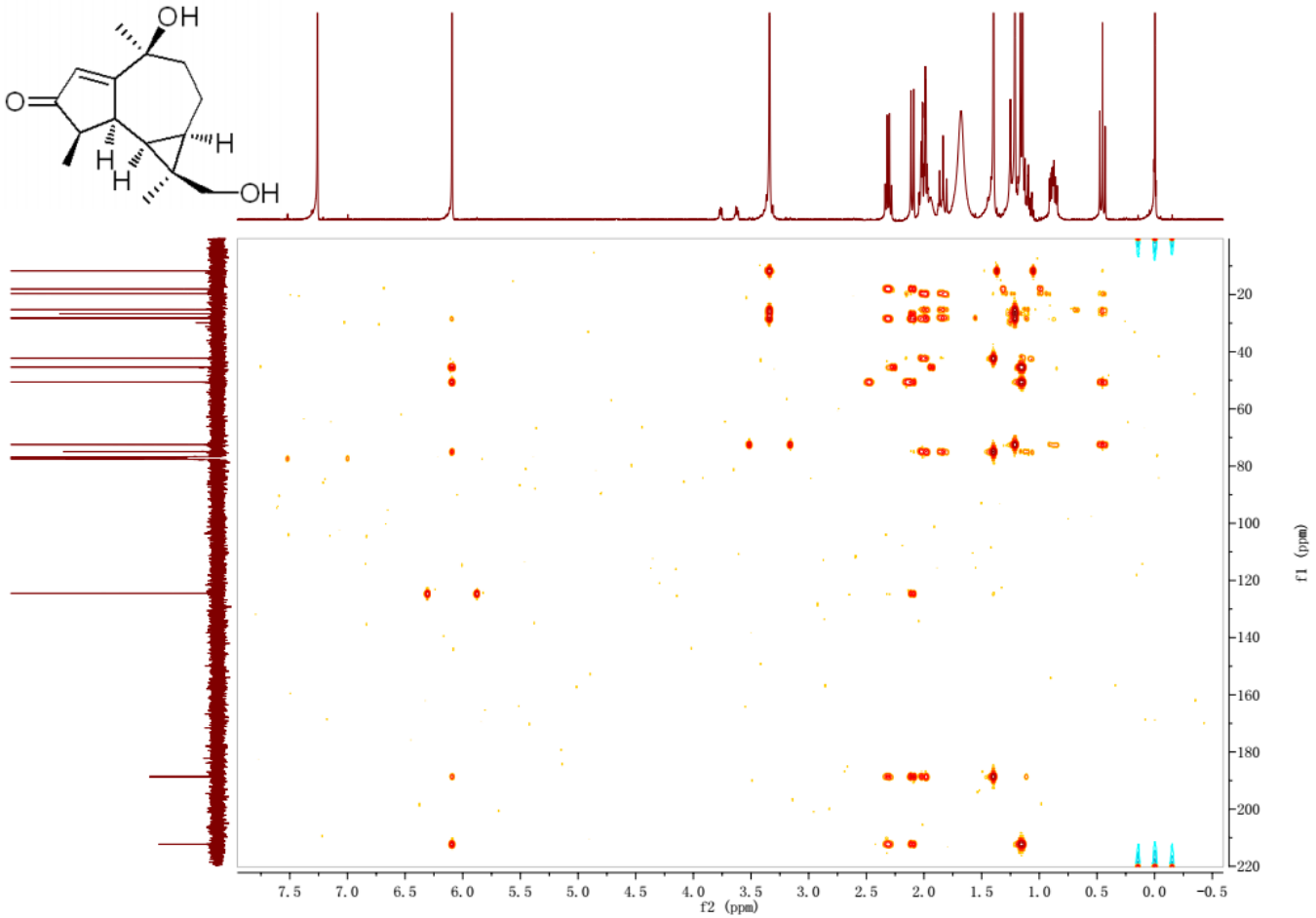


Figure S28. NOESY spectrum of scedogiine C **(3)** in $CDCl_3$

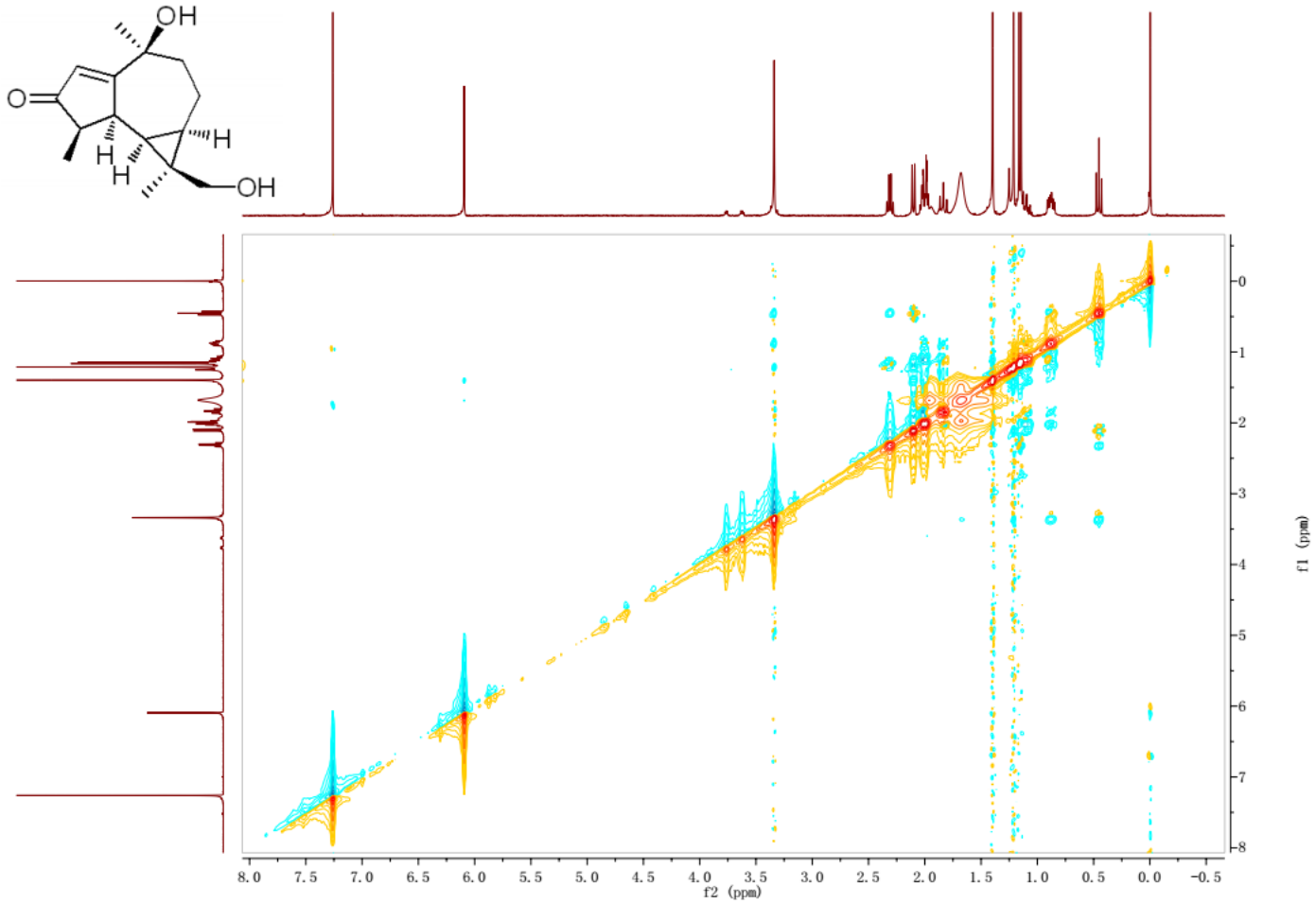


Figure S29. ^{1}H-NMR spectrum of pseuboydone A **(4)** in $CDCl_3$ (400MHz)

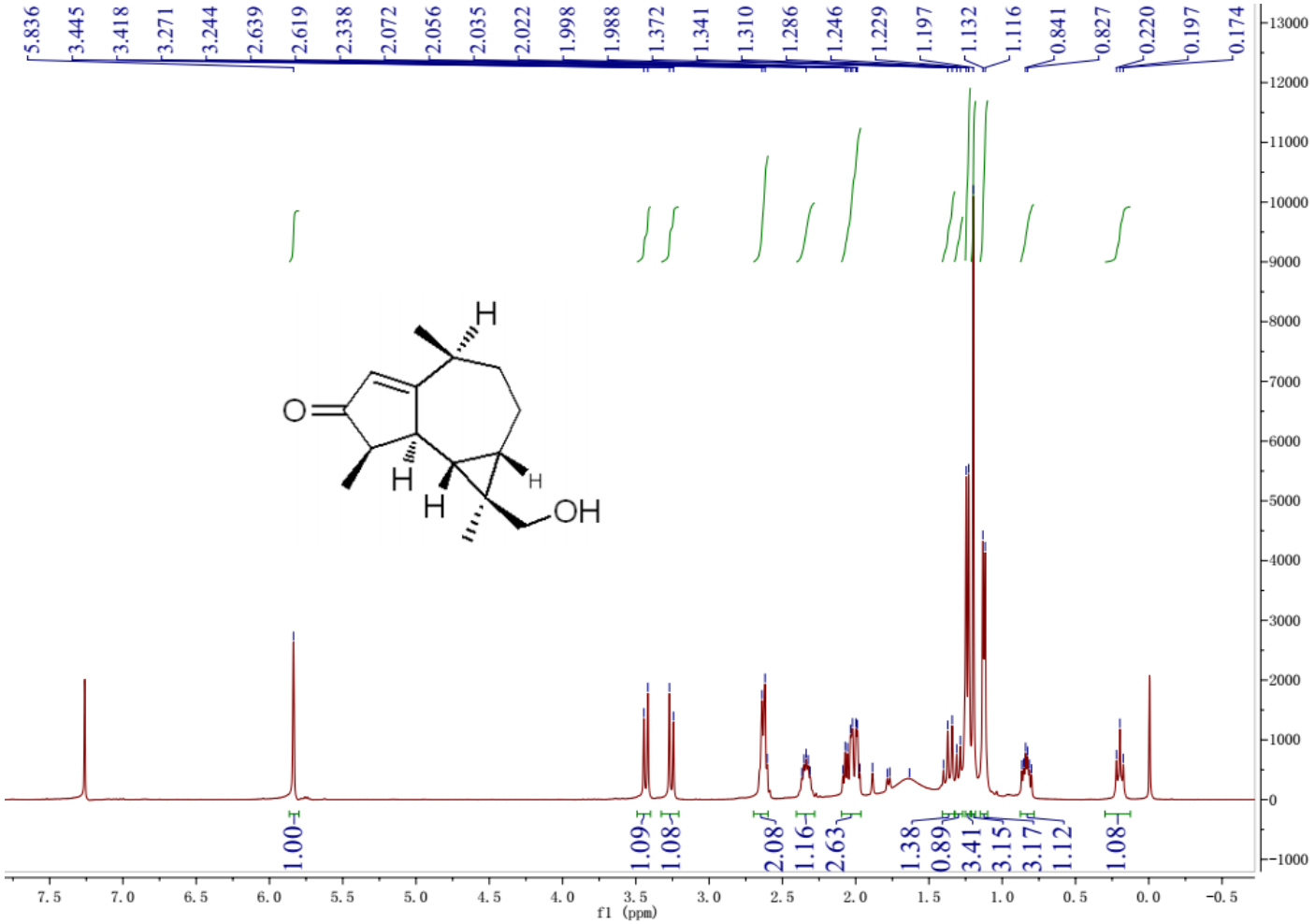


Figure S30. ^{13}C NMR spectrum of pseuboydone A **(4)** in $CDCl_3$ (100MHz)

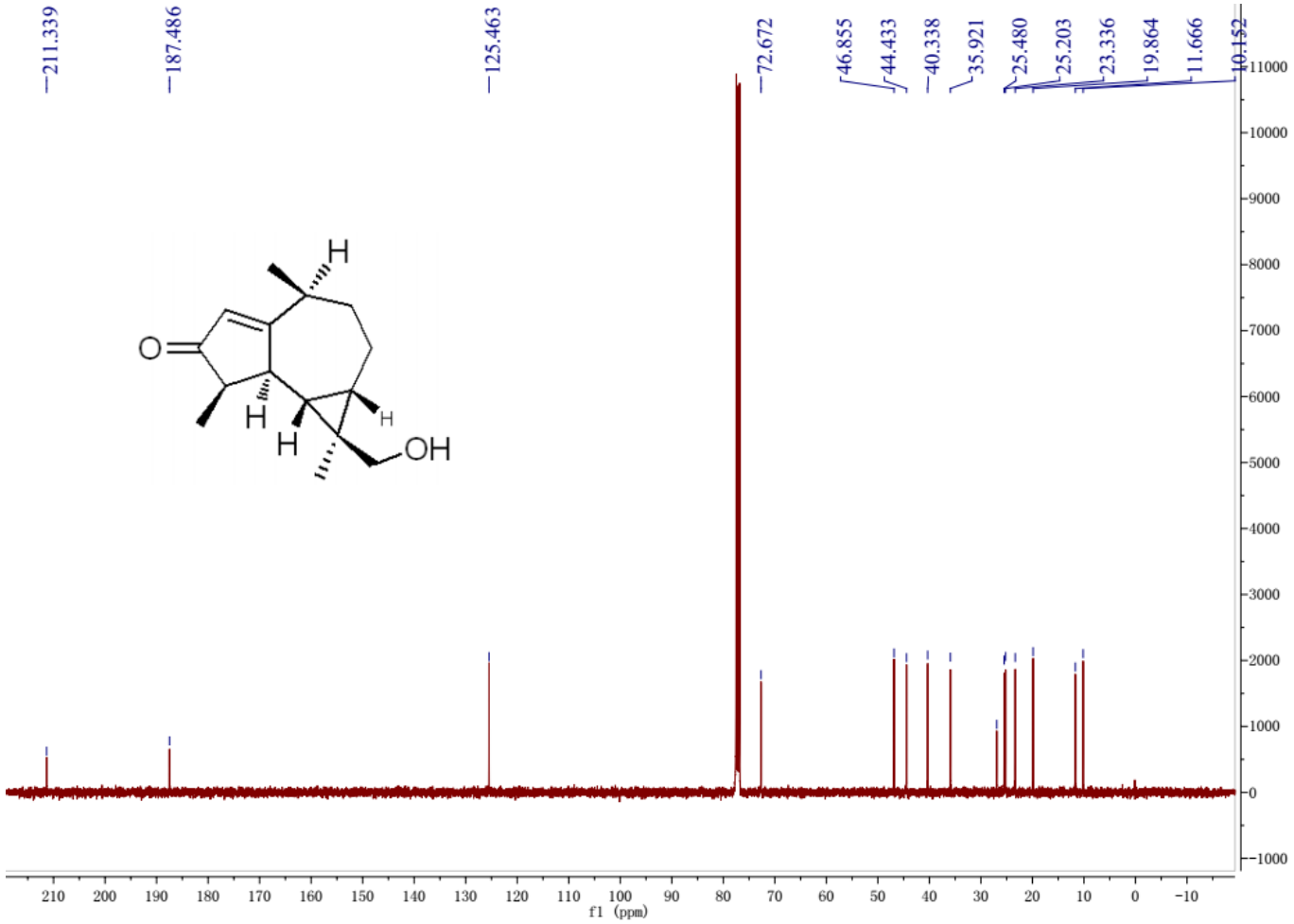


Figure S31. ^{1}H-NMR spectrum of pseuboydone B **(5)** in $CDCl_3$ (400MHz)

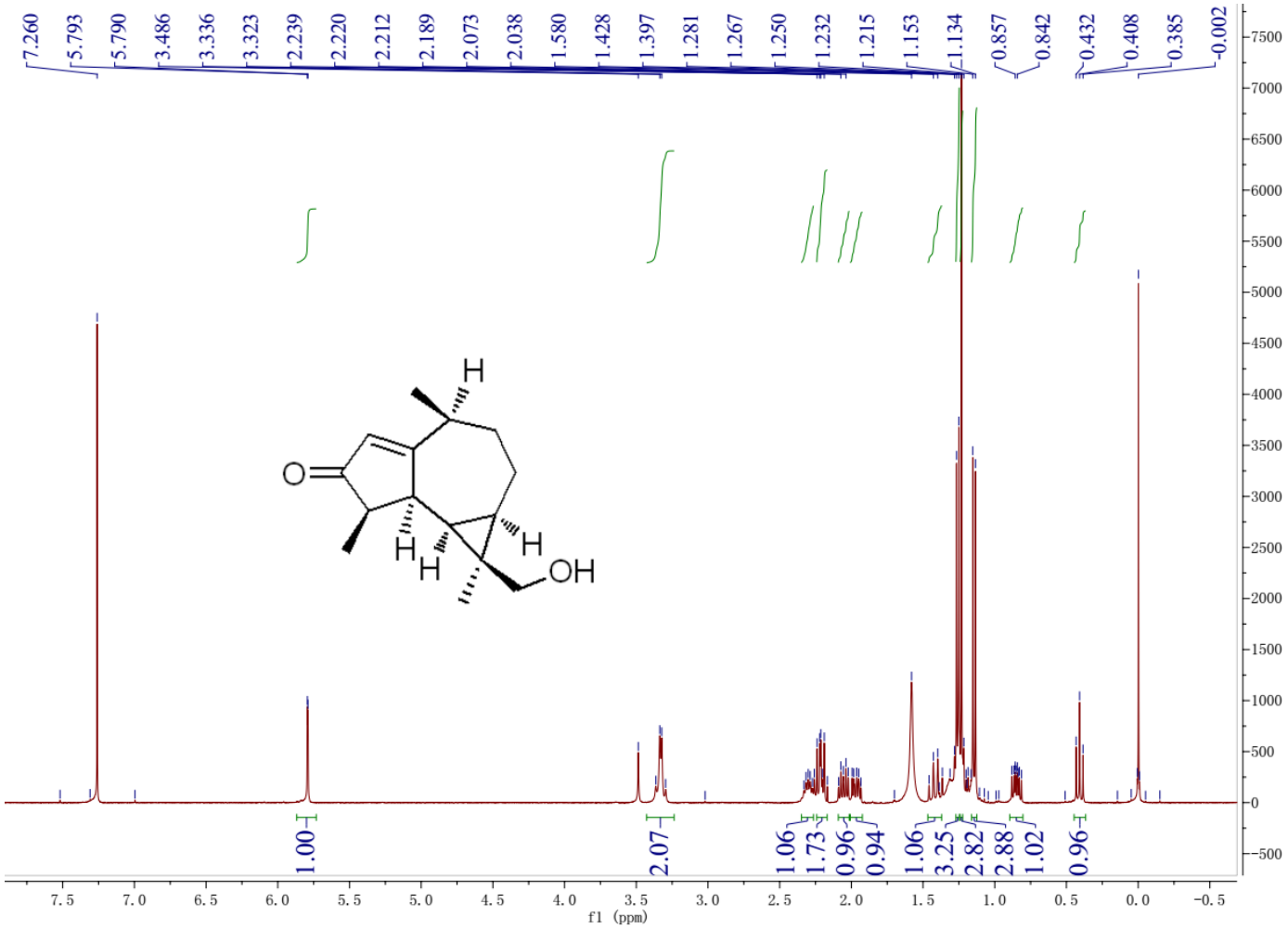


Figure S32. ^{13}C NMR spectrum of pseuboydone B **(5)** in $CDCl_3$ (100MHz)

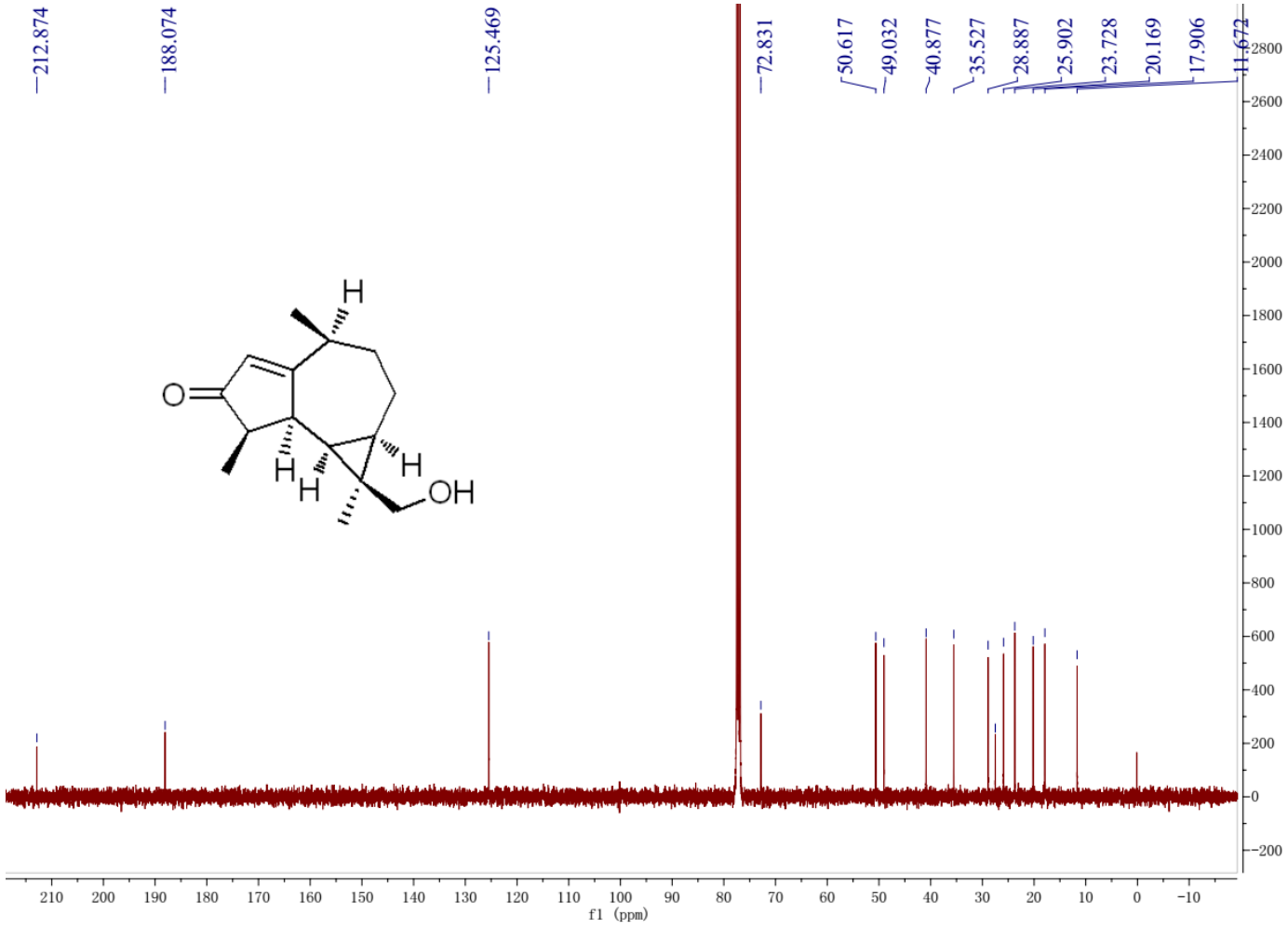
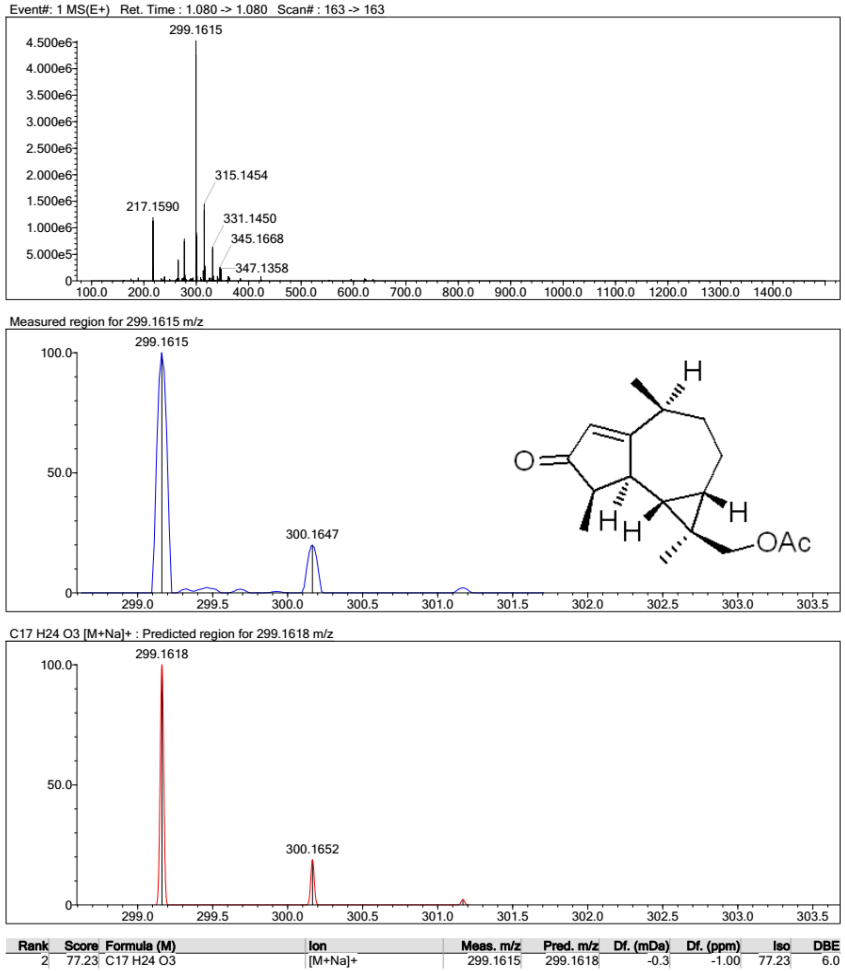


Figure S33. HR-ESI-MS spectrum of scedogiine D **(6)**



Rank	Score	Formula (M)	Ion	Meas. m/z	Pred. m/z	Df. (mDa)	Df. (ppm)	Iso	DBE
2	77.23	C17 H24 O3	[M+Na]+	299.1615	299.1618	-0.3	-1.00	77.23	6.0

Figure S34. ^{1}H-NMR spectrum of scedogiine D **(6)** in $CDCl_3$ (400MHz)

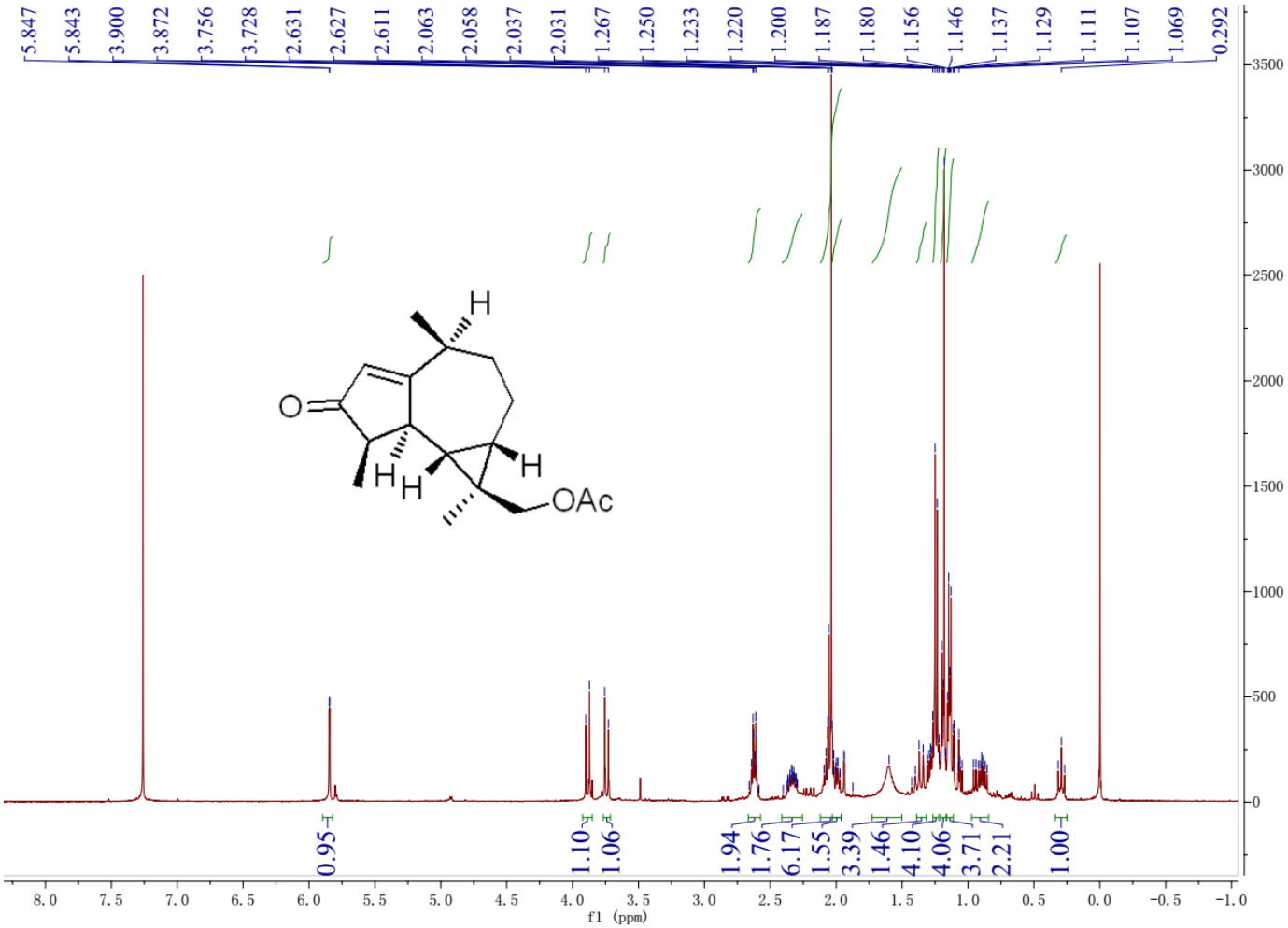


Figure S35. ^{13}C NMR spectrum of scedogiine D **(6)** in $CDCl_3$ (100MHz)

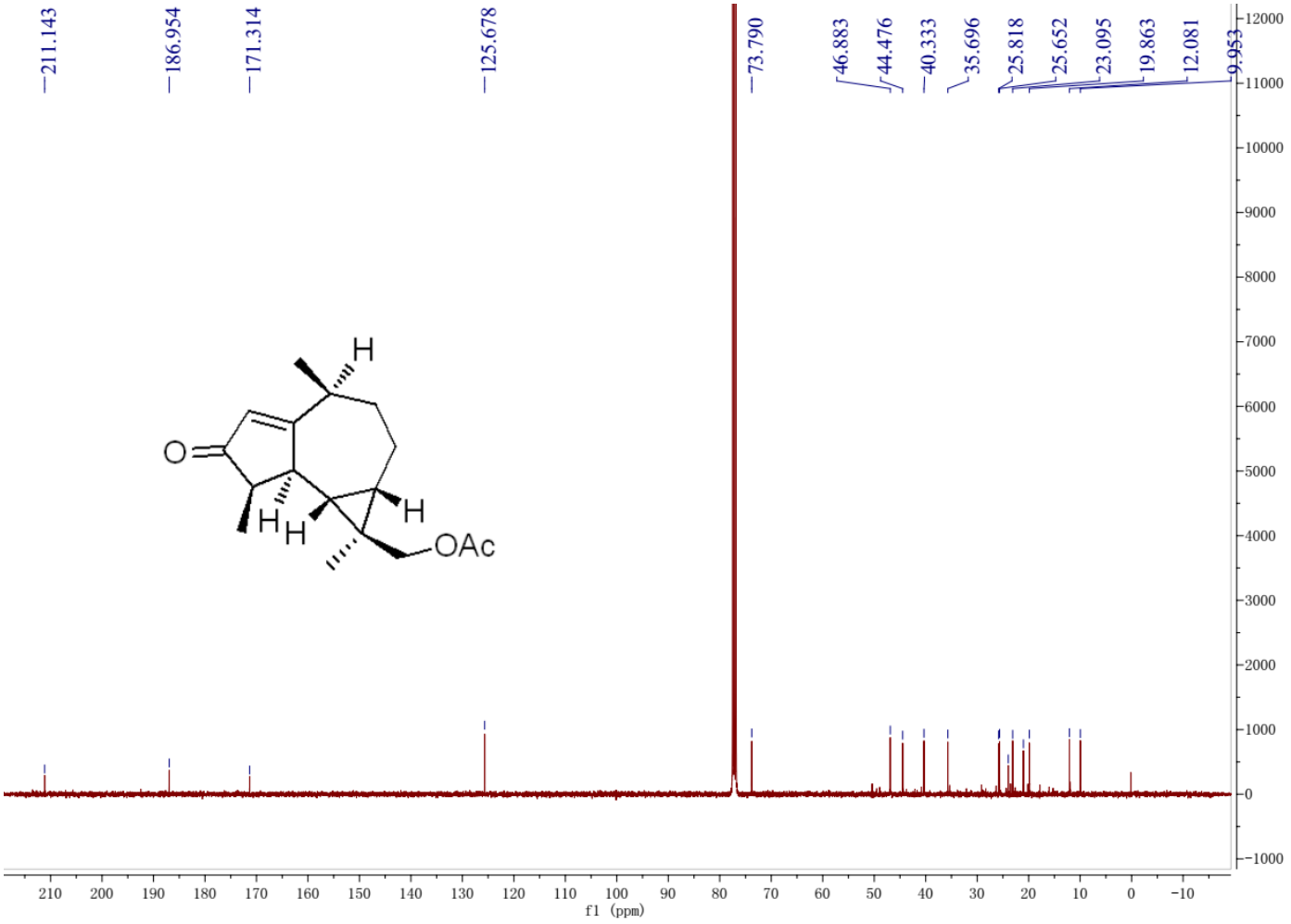


Figure S36. DEPT 135 spectrum of scedogiine D **(6)** in $CDCl_3$ (100MHz)

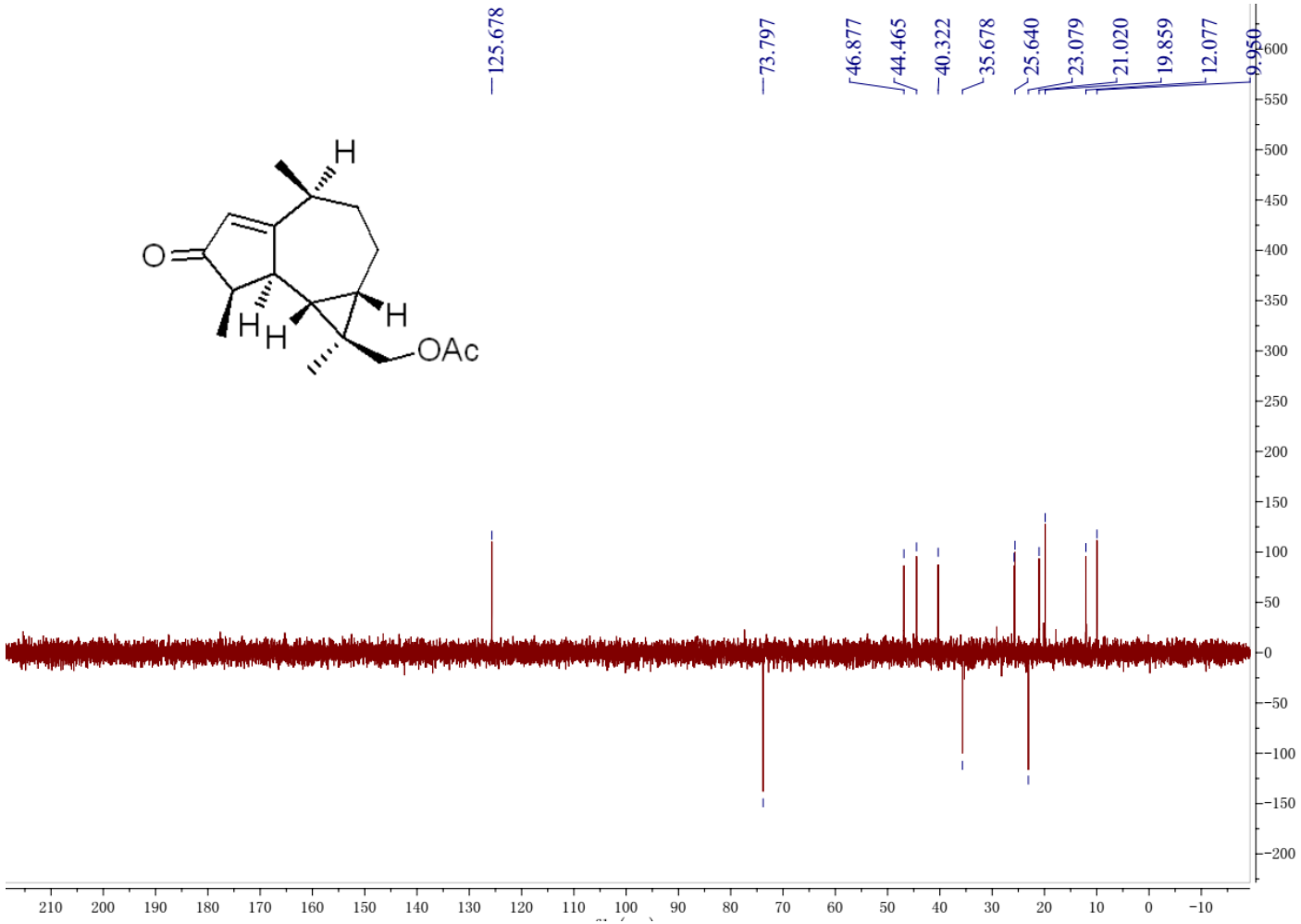


Figure S37. HMQC spectrum of scedogiine D **(6)** in $CDCl_3$

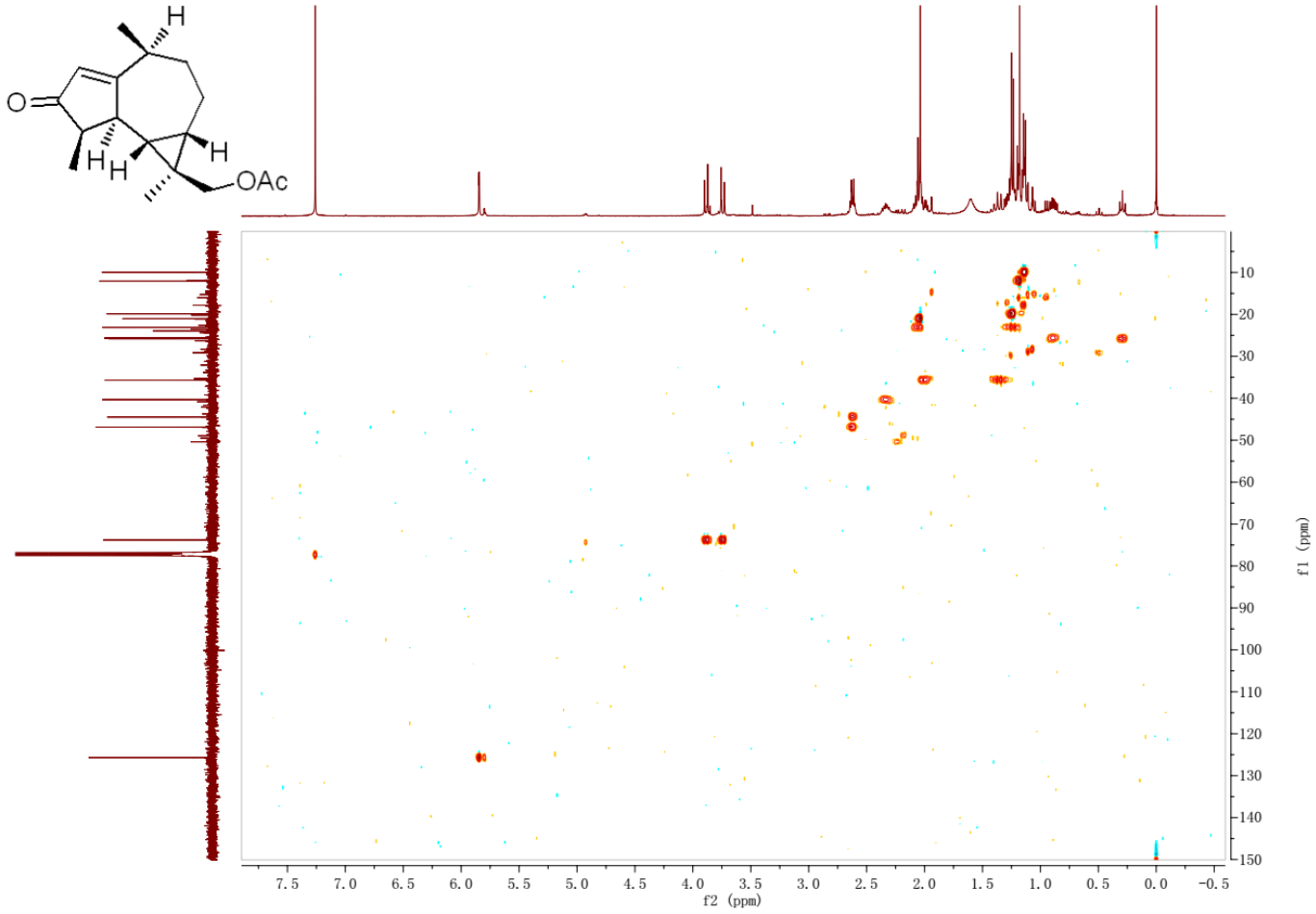


Figure S38. ^{1}H-^{1}H COSY spectrum of scedogiine D **(6)** in $CDCl_3$

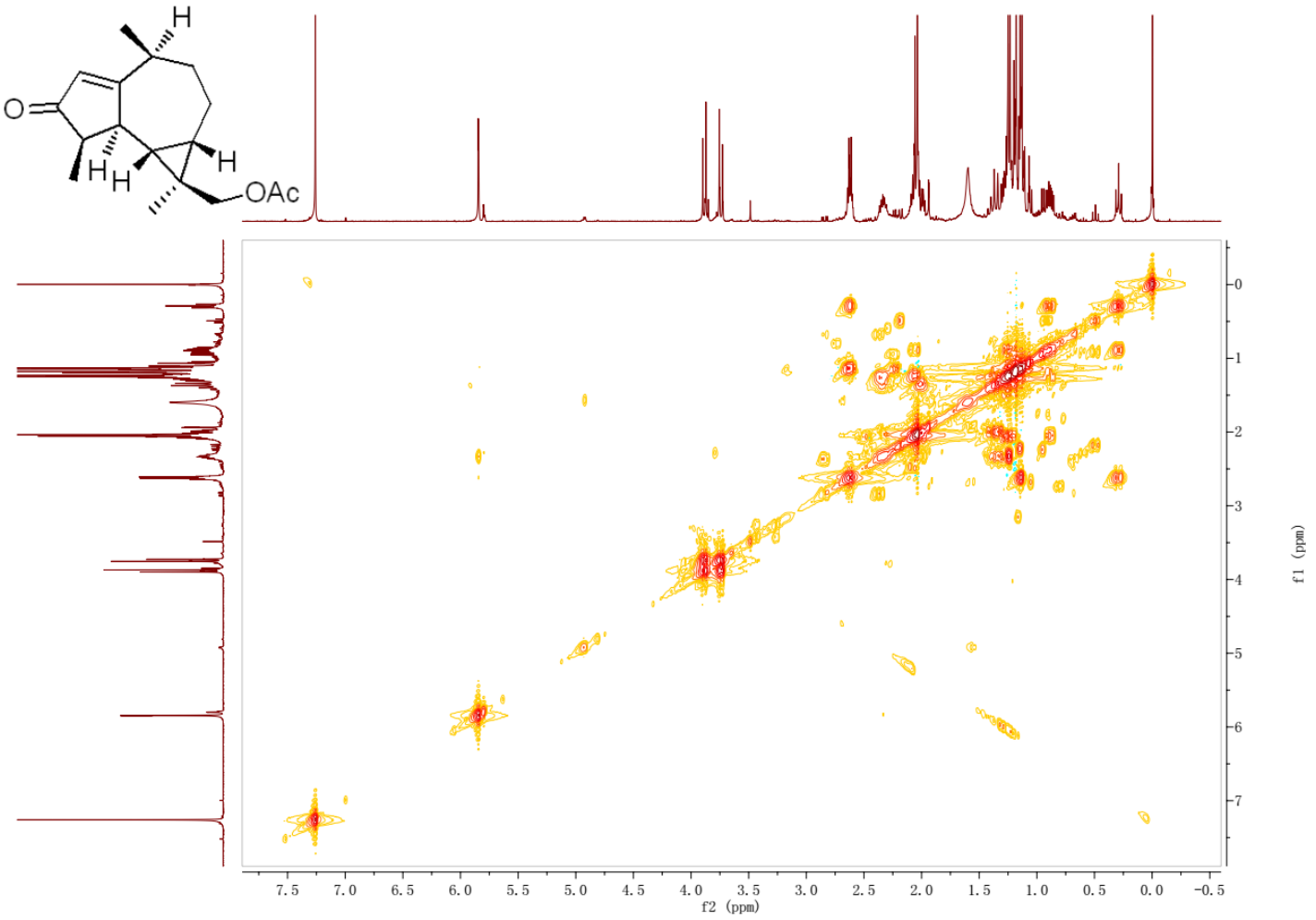


Figure S39. HMBC spectrum of scedogiine D **(6)** in $CDCl_3$

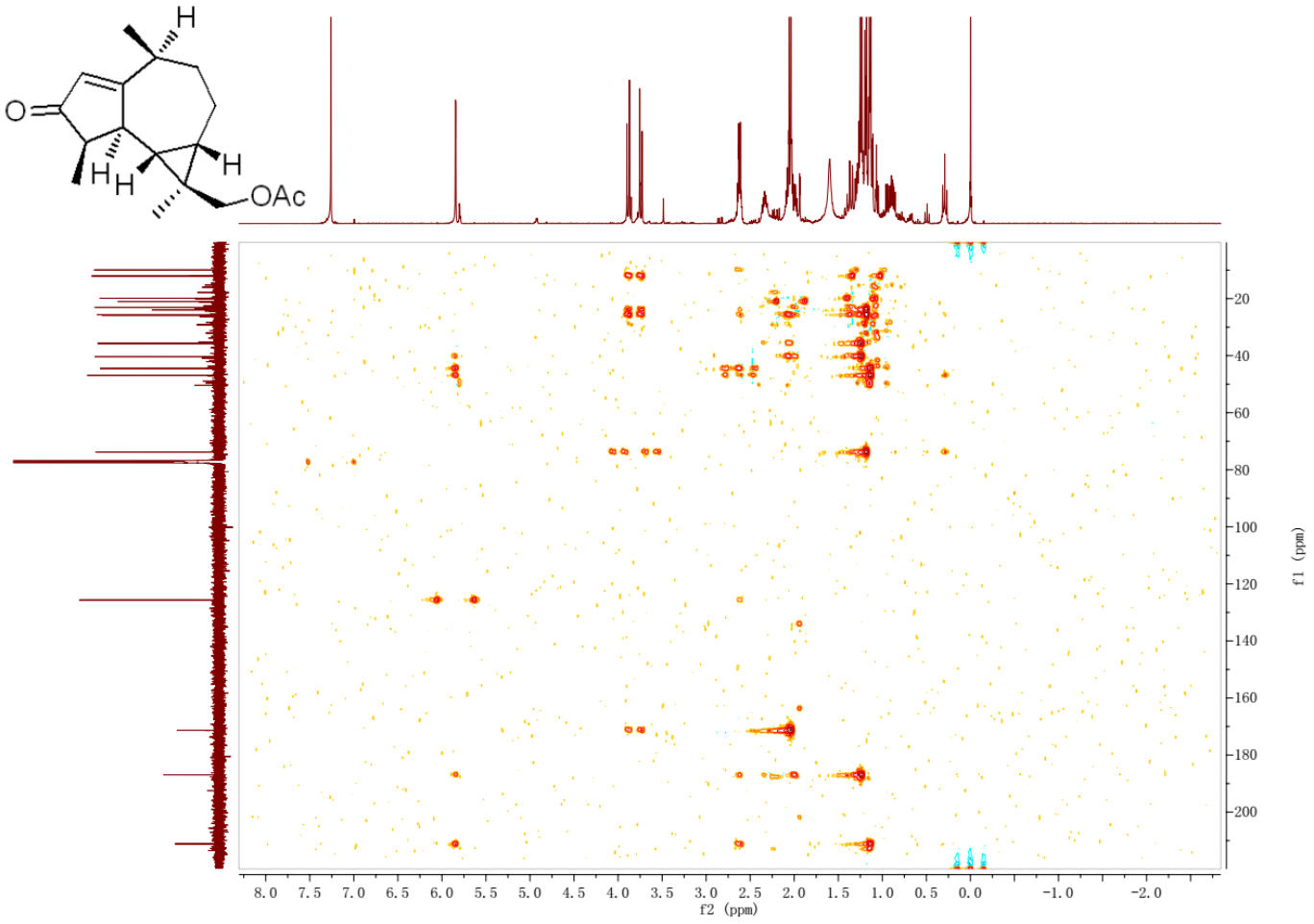


Figure S40. NOESY spectrum of scedogiine D **(6)** in $CDCl_3$

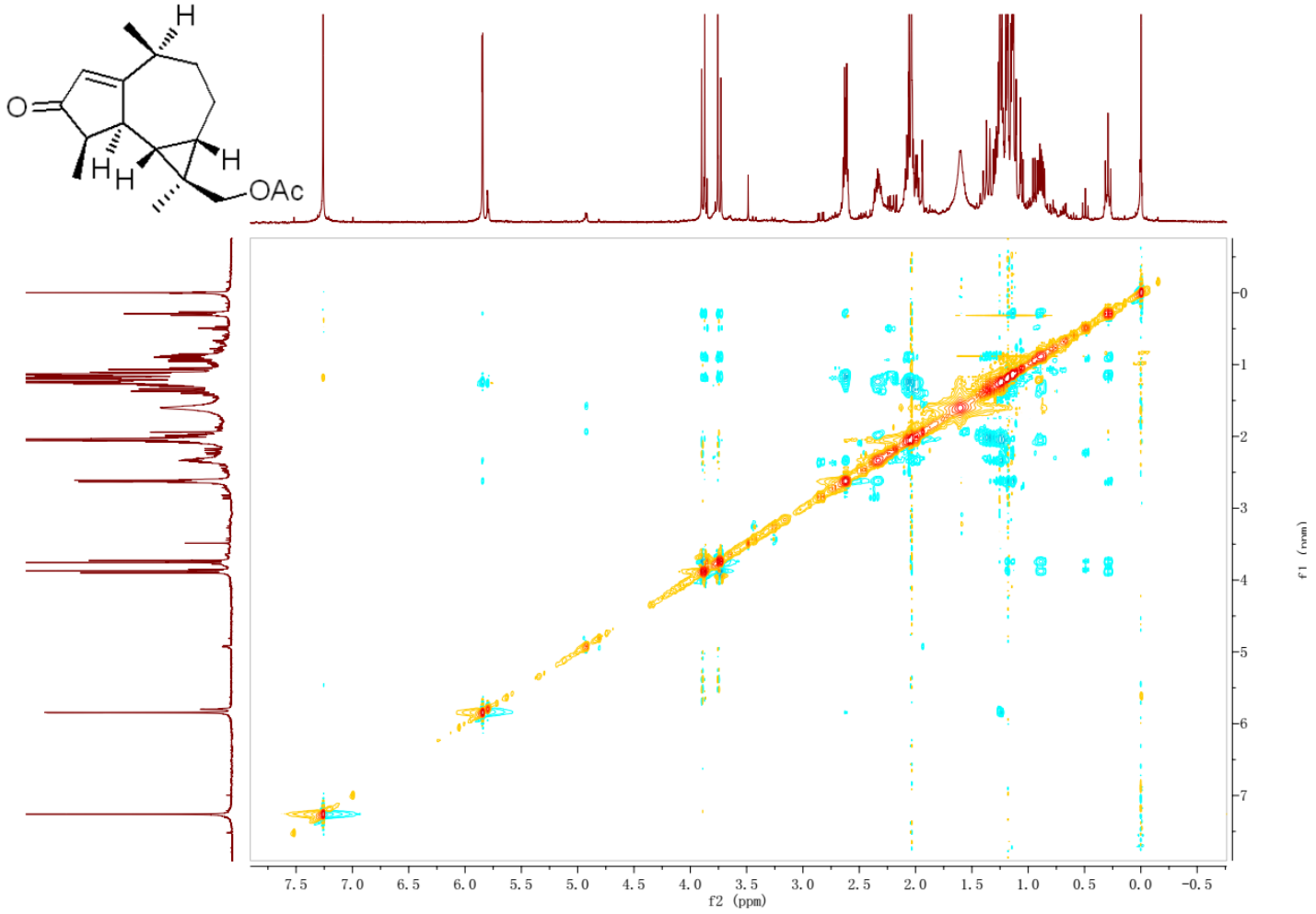
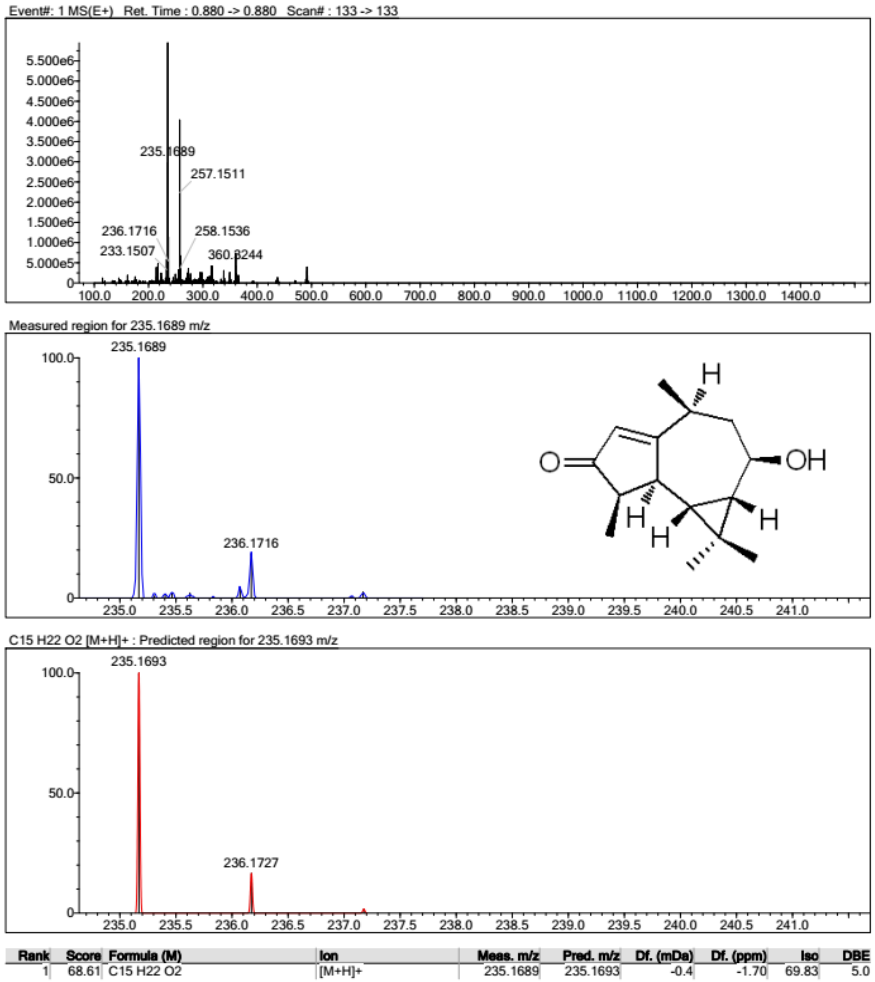


Figure S41. HR-ESI-MS spectrum of scedogiine E **(7)**



Rank	Score	Formula (M)	Ion	Mass. m/z	Pred. m/z	Df. (mDa)	Df. (ppm)	Iso	DBE
1	68.61	C15 H22 O2	[M+H]+	235.1689	235.1693	-0.4	-1.70	69.83	5.0

Figure S42. ^{1}H-NMR spectrum of scedogiine E **(7)** in $CDCl_3$ (400MHz)

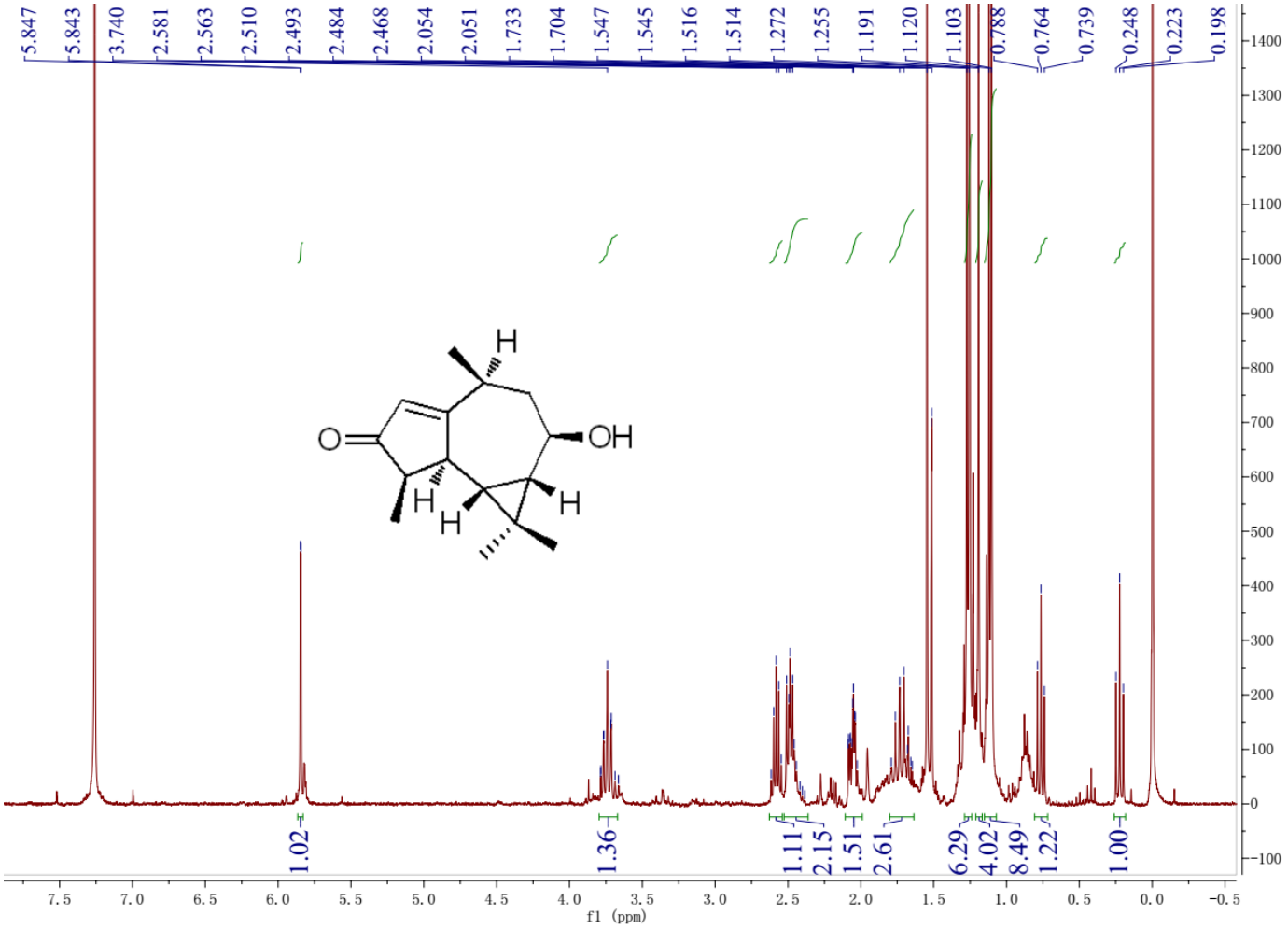


Figure S43. ^{13}C NMR spectrum of scedogiine E **(7)** in $CDCl_3$ (100MHz)

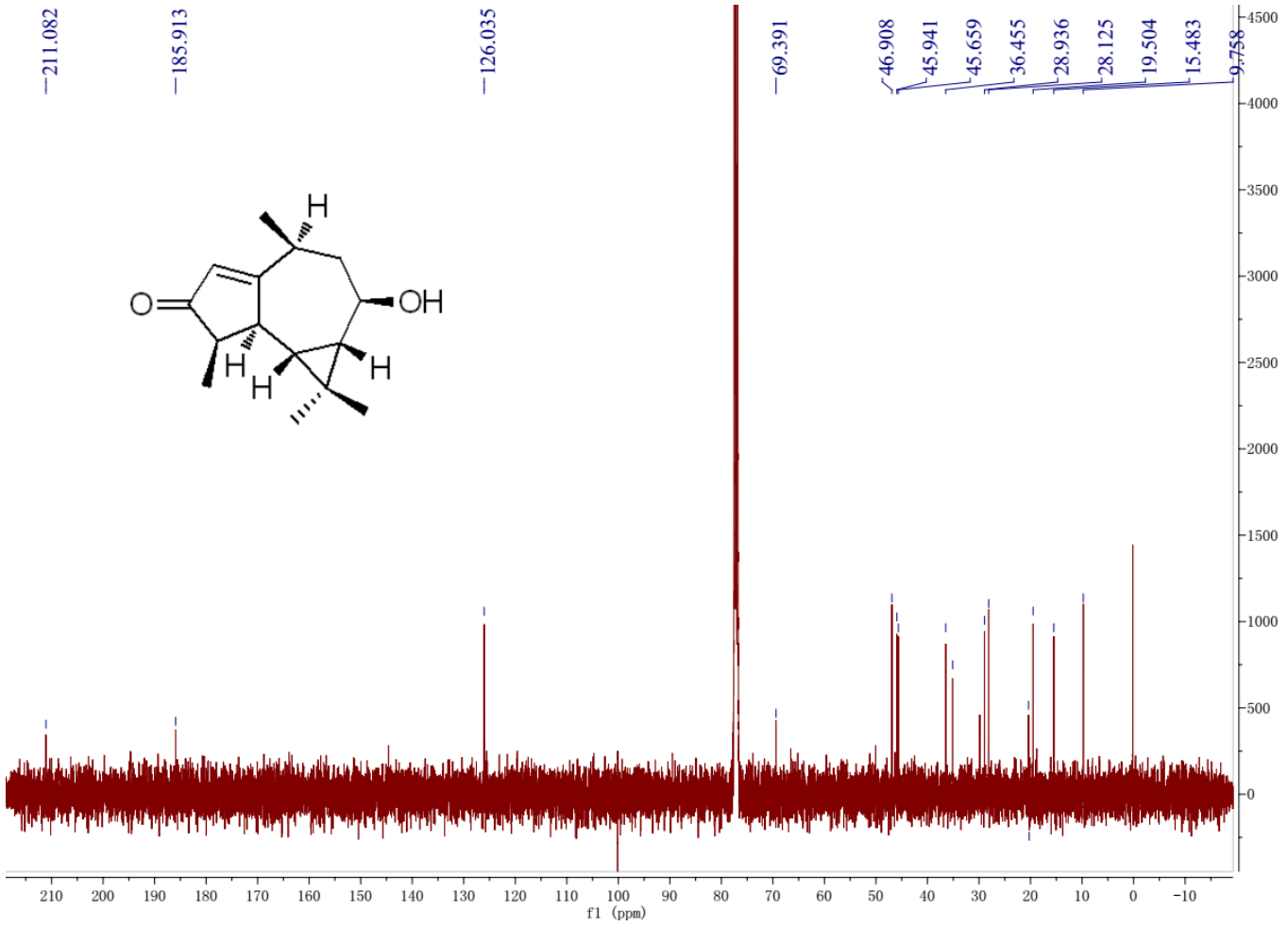


Figure S44. DEPT 135 spectrum of scedogiine E **(7)** in $CDCl_3$ (100MHz)

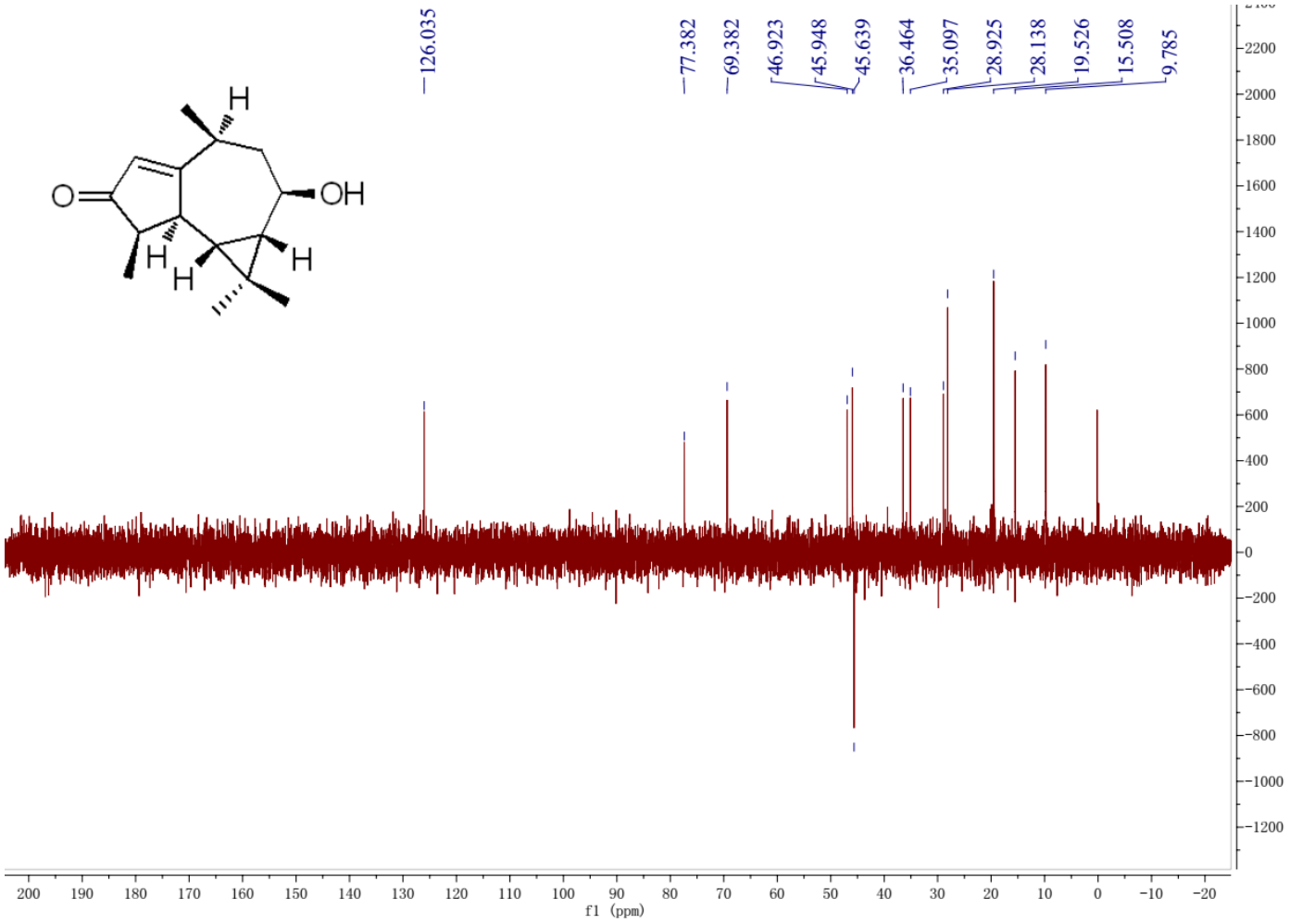


Figure S45. HMQC spectrum of scedogiine E **(7)** in $CDCl_3$

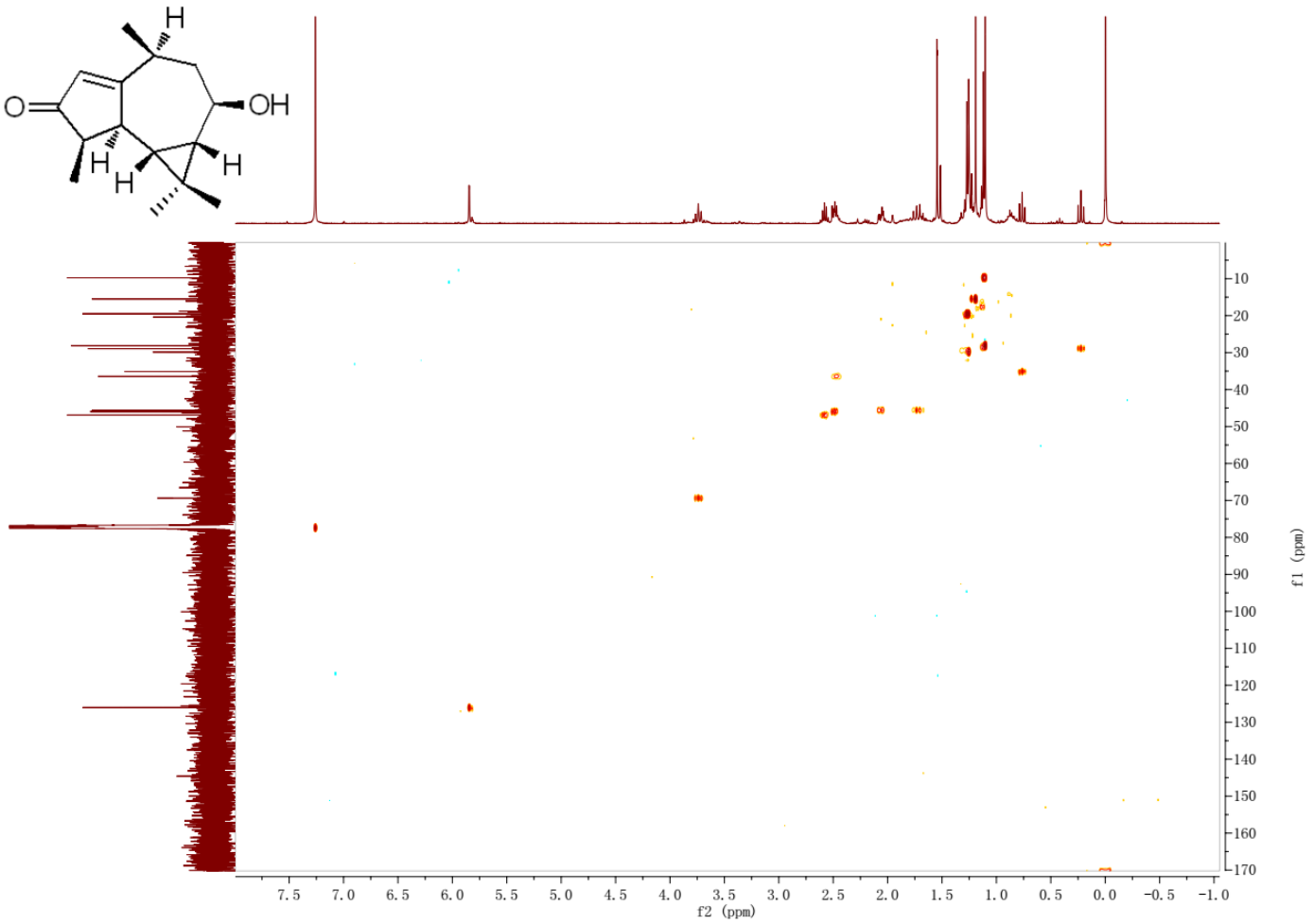


Figure S46. ^{1}H-^{1}H COSY spectrum of scedogiine E **(7)** in $CDCl_3$

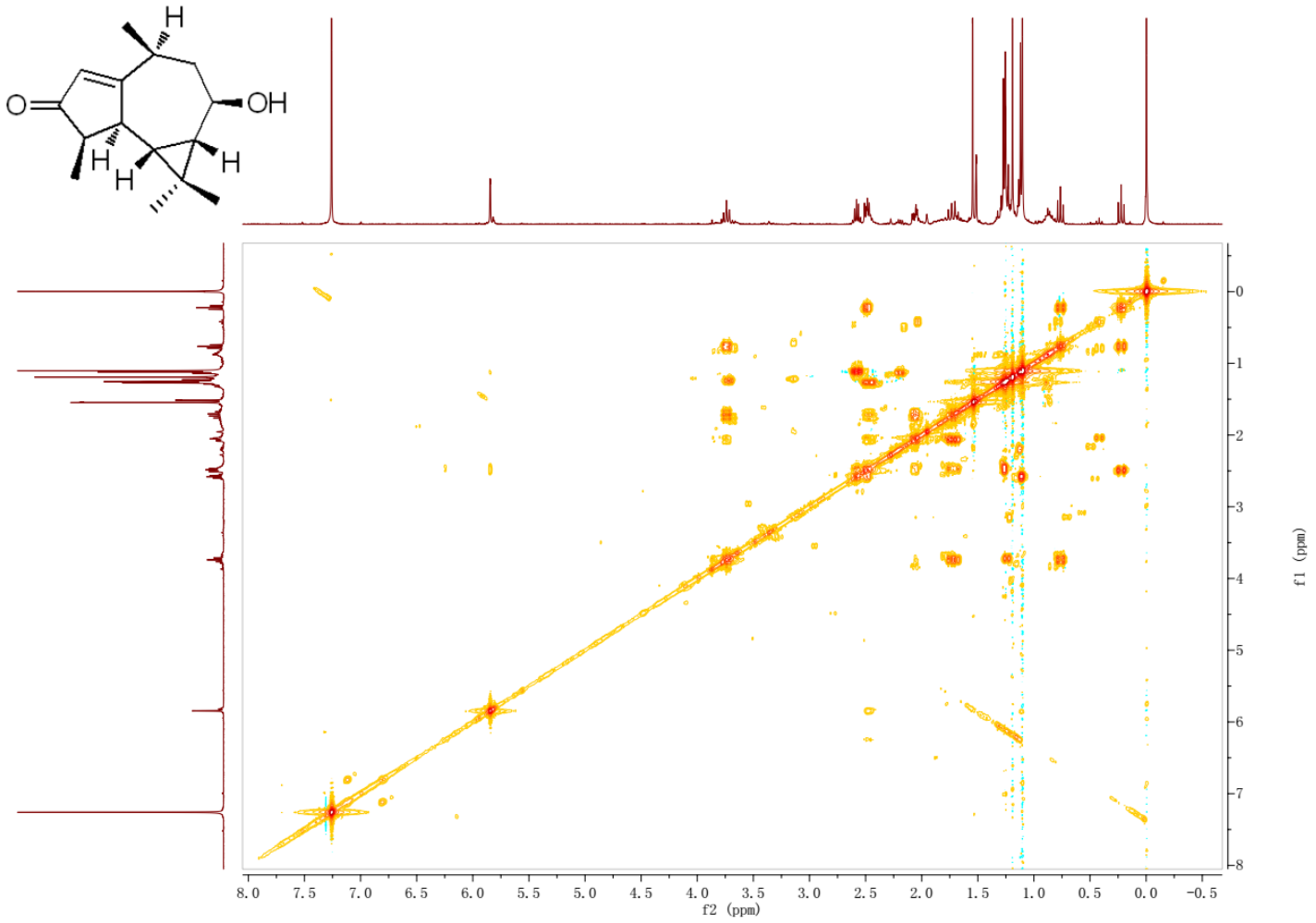


Figure S47. HMBC spectrum of scedogiine E **(7)** in $CDCl_3$

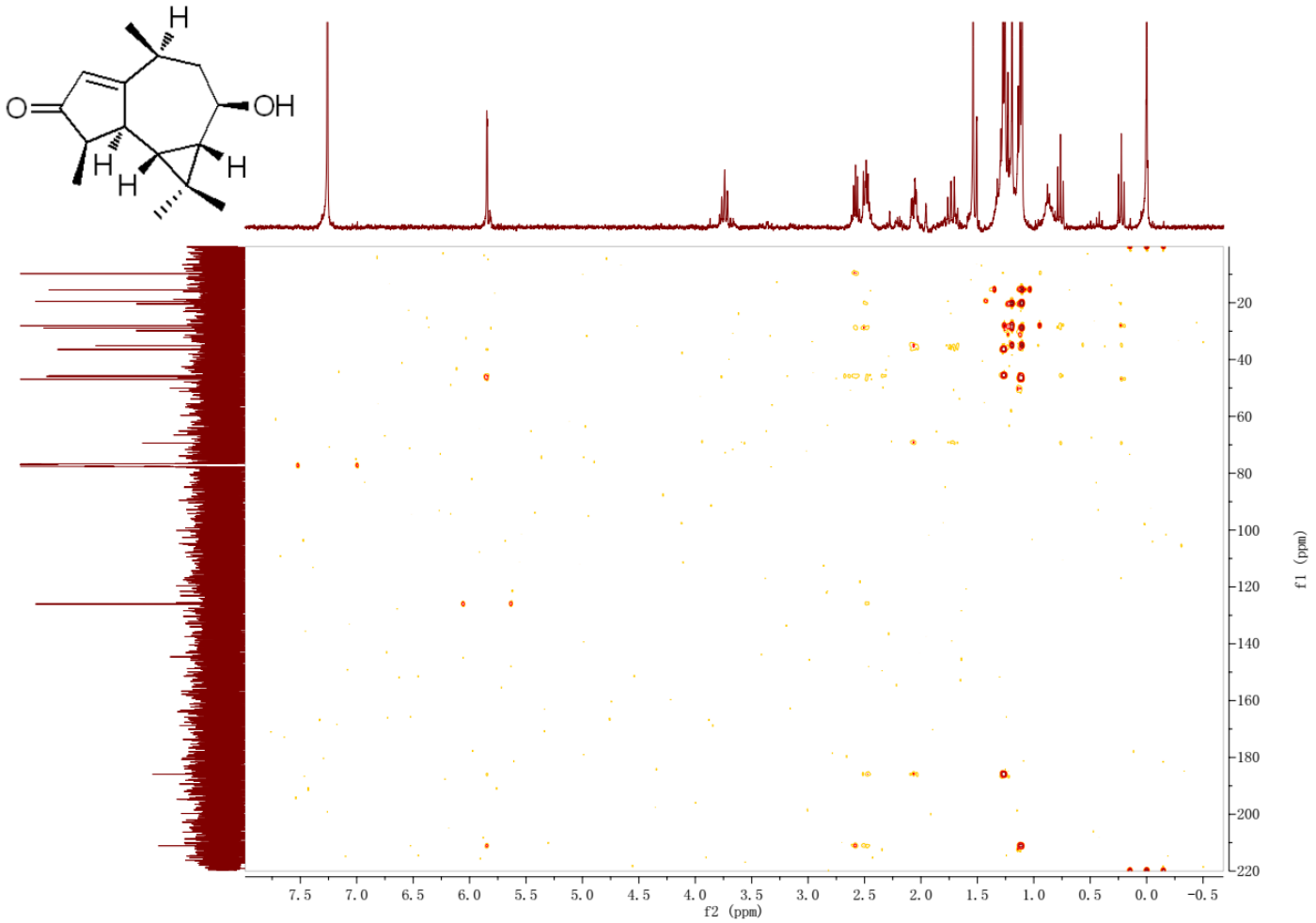


Figure S48. NOESY spectrum of scedogiine E **(7)** in $CDCl_3$

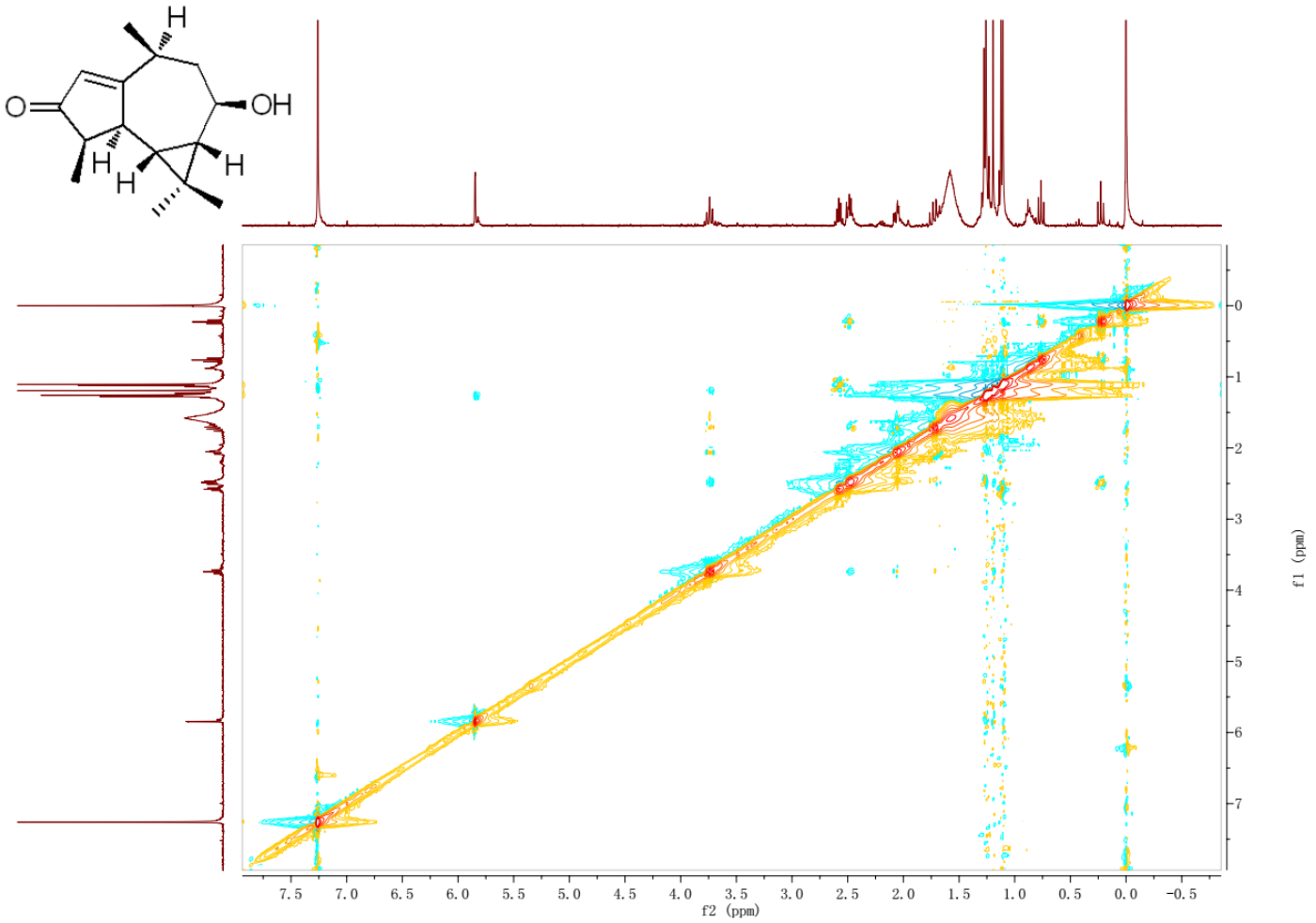
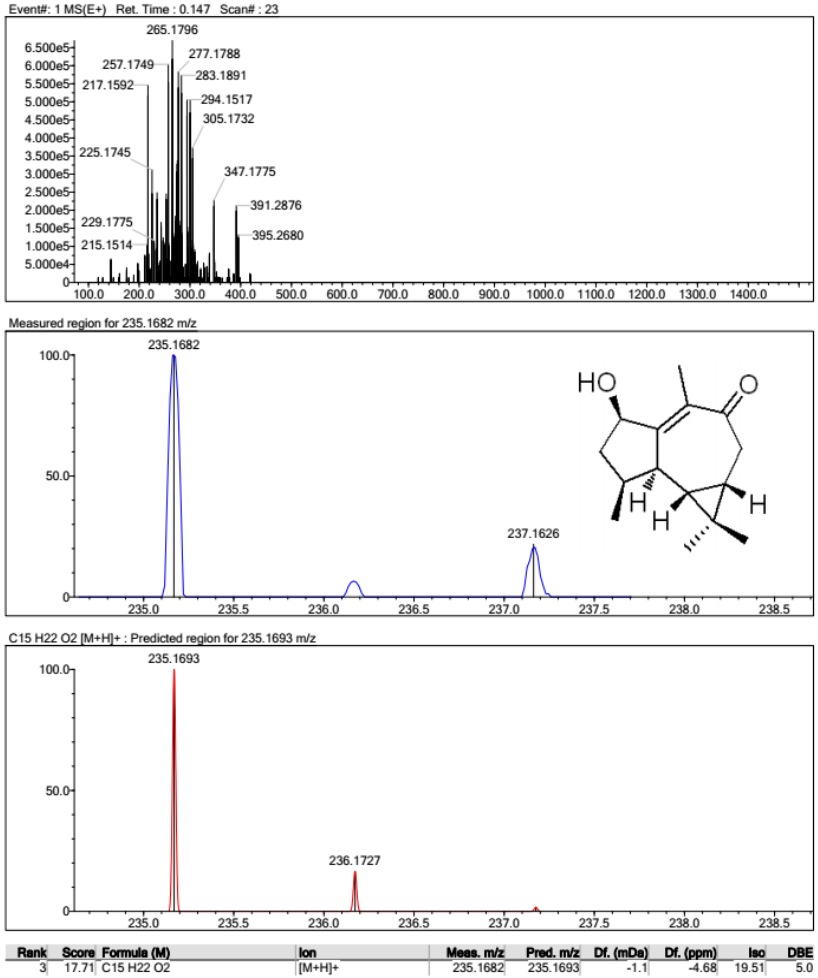


Figure S49. HR-ESI-MS spectrum of scedogiine F **(8)**



Rank	Score	Formula (M)	Ion	Meas. m/z	Pred. m/z	Df. (mDa)	Df. (ppm)	Iso	DBE
3	17.71	C15 H22 O2	[M+H]+	235.1682	235.1693	-1.1	-4.68	19.51	5.0

Figure S50. ^{1}H-NMR spectrum of scedogiine F **(8)** in $CDCl_3$ (400MHz)

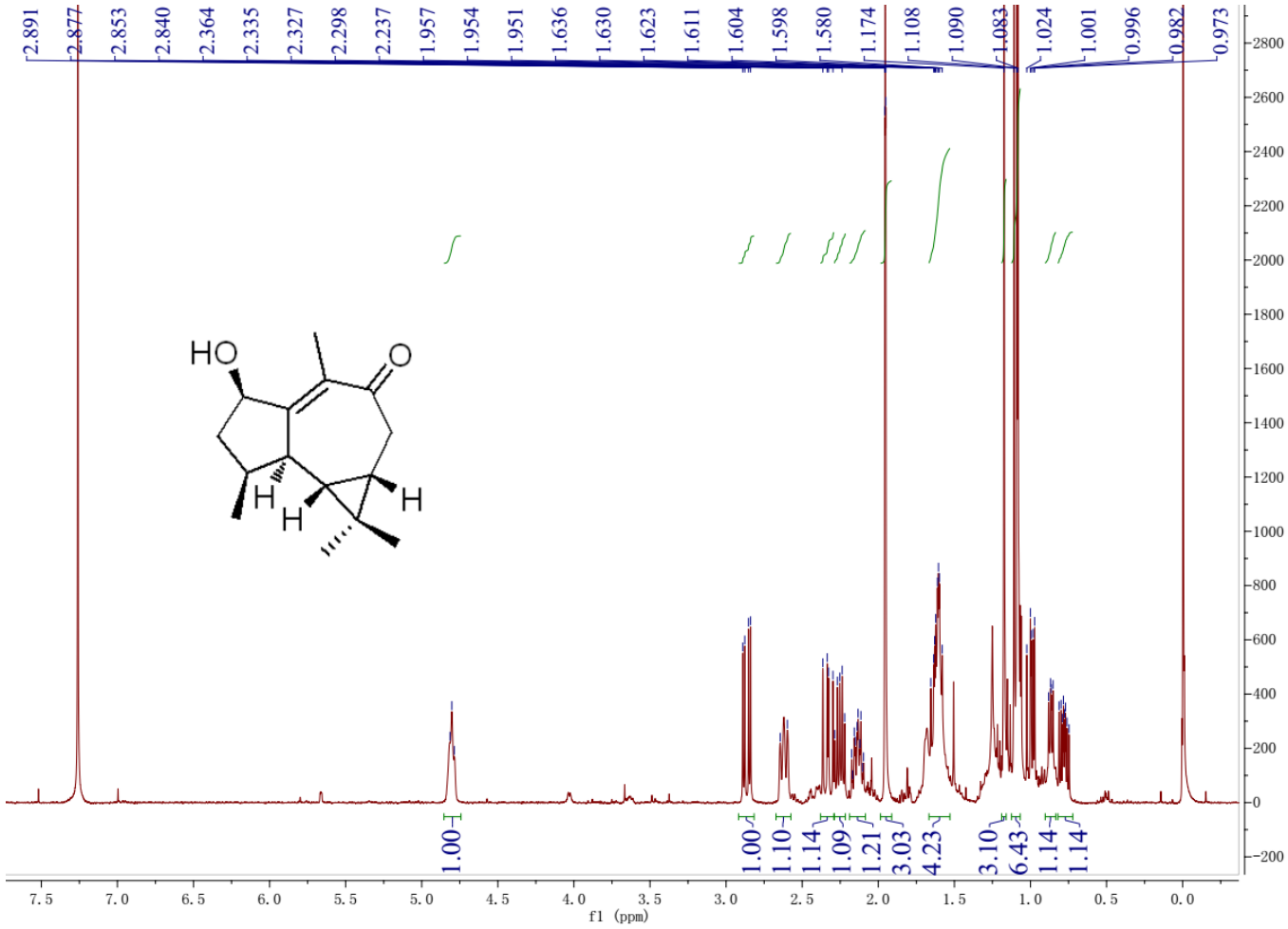


Figure S51. ^{13}C NMR spectrum of scedogiine F **(8)** in $CDCl_3$ (100MHz)

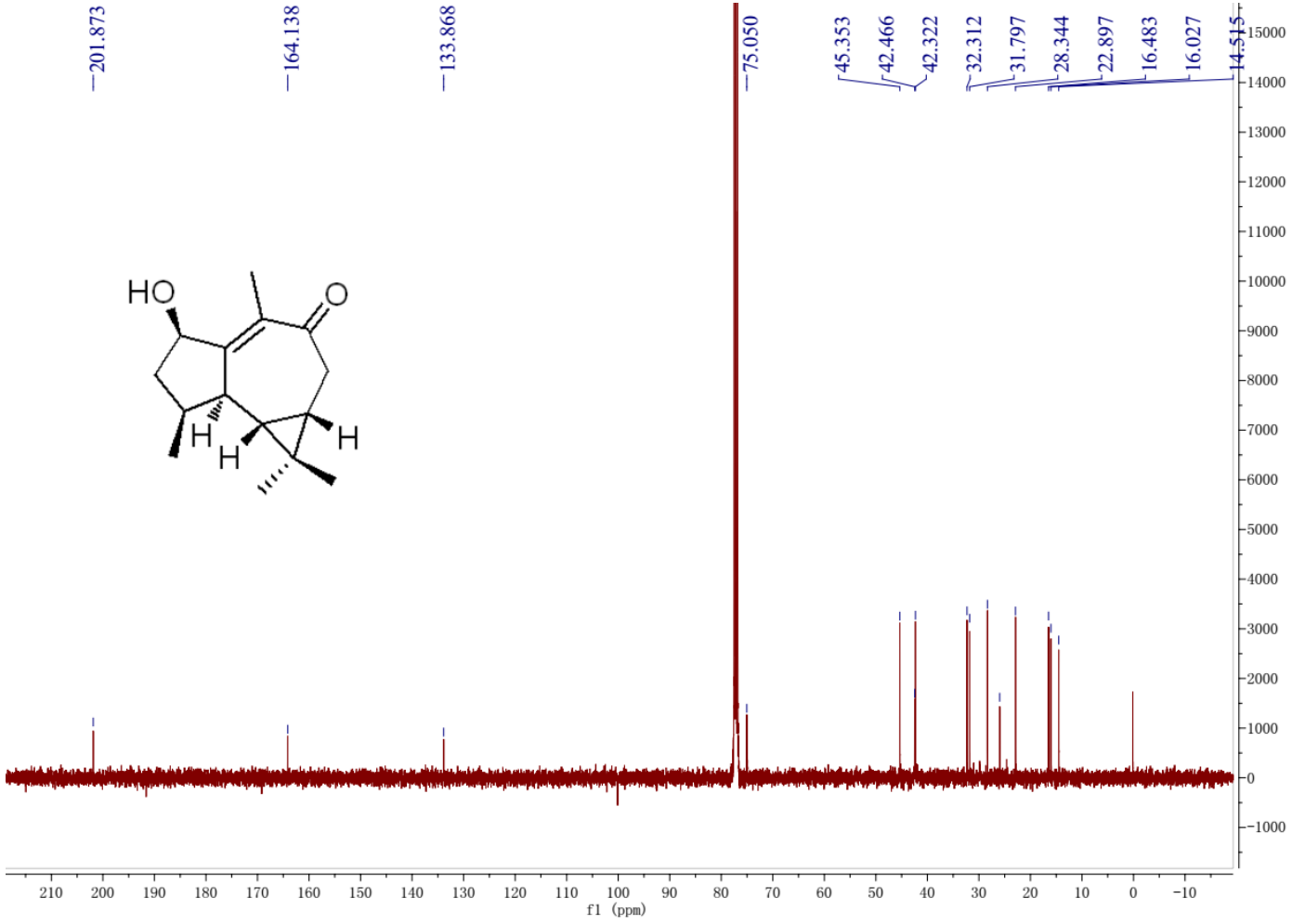


Figure S52. HMQC spectrum of scedogiine F **(8)** in $CDCl_3$

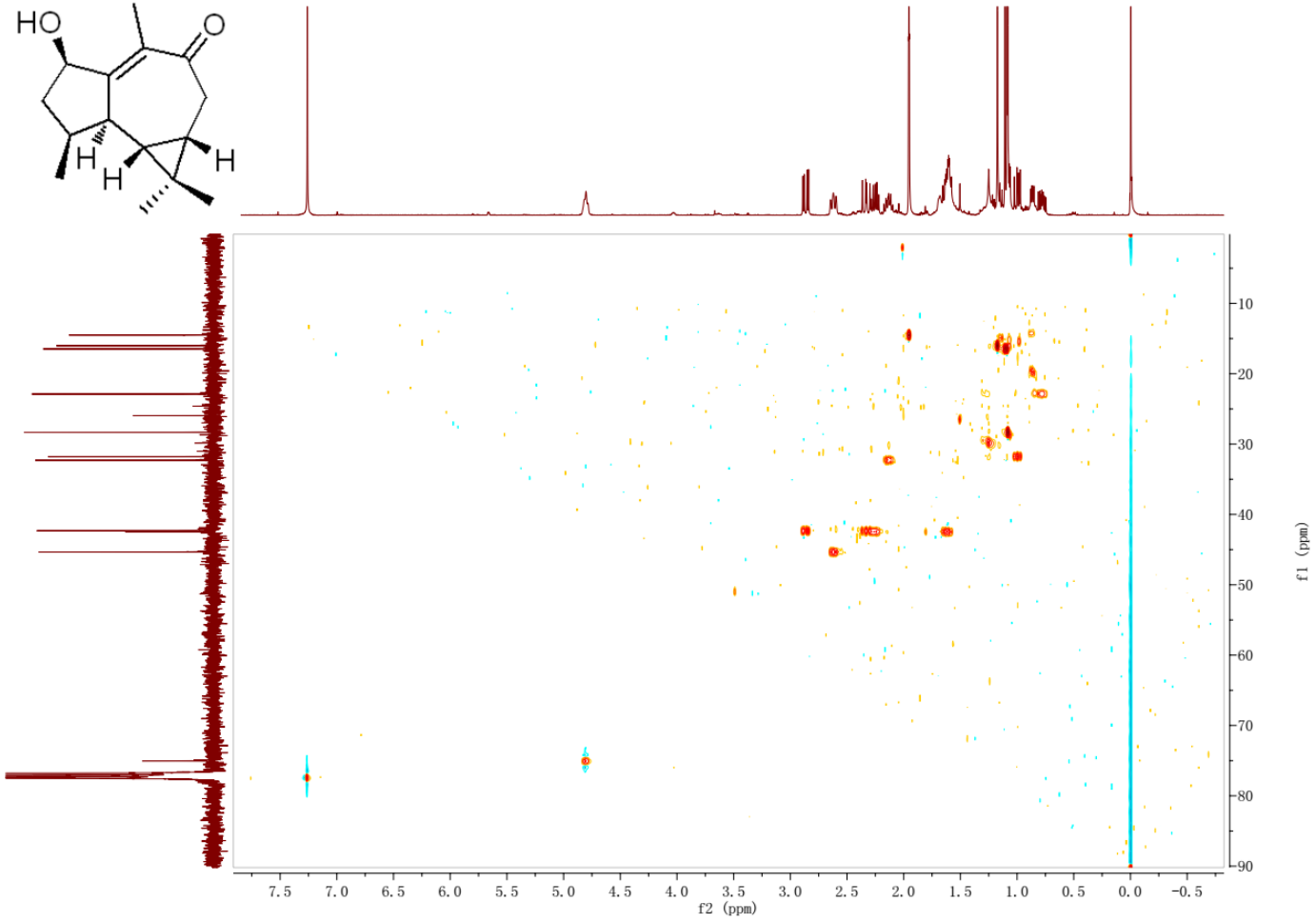


Figure S53. ^{1}H-^{1}H COSY spectrum of scedogiine F **(8)** in $CDCl_3$

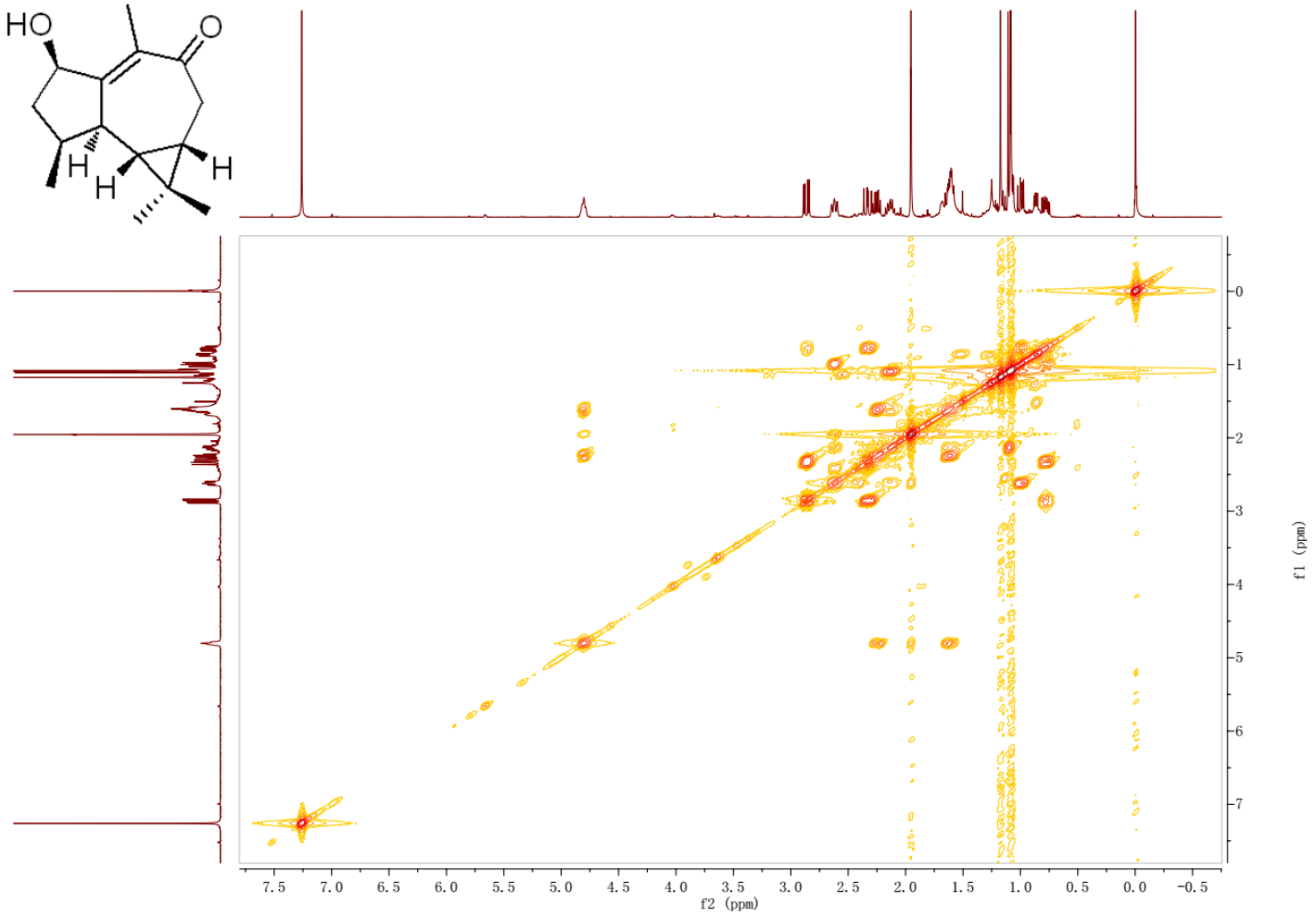


Figure S54. HMBC spectrum of scedogiine F **(8)** in $CDCl_3$

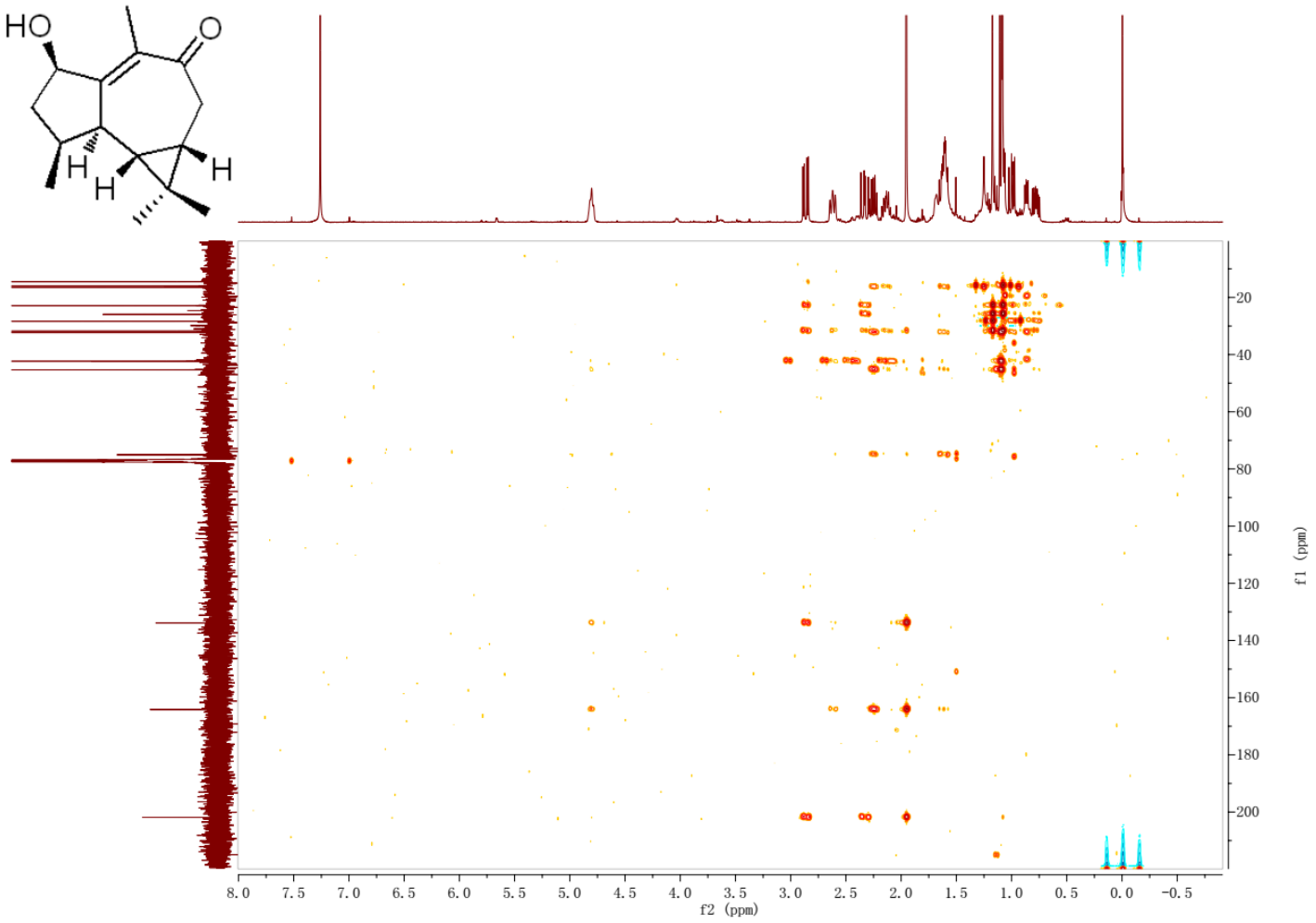


Figure S55. NOESY spectrum of scedogiine F **(8)** in $CDCl_3$

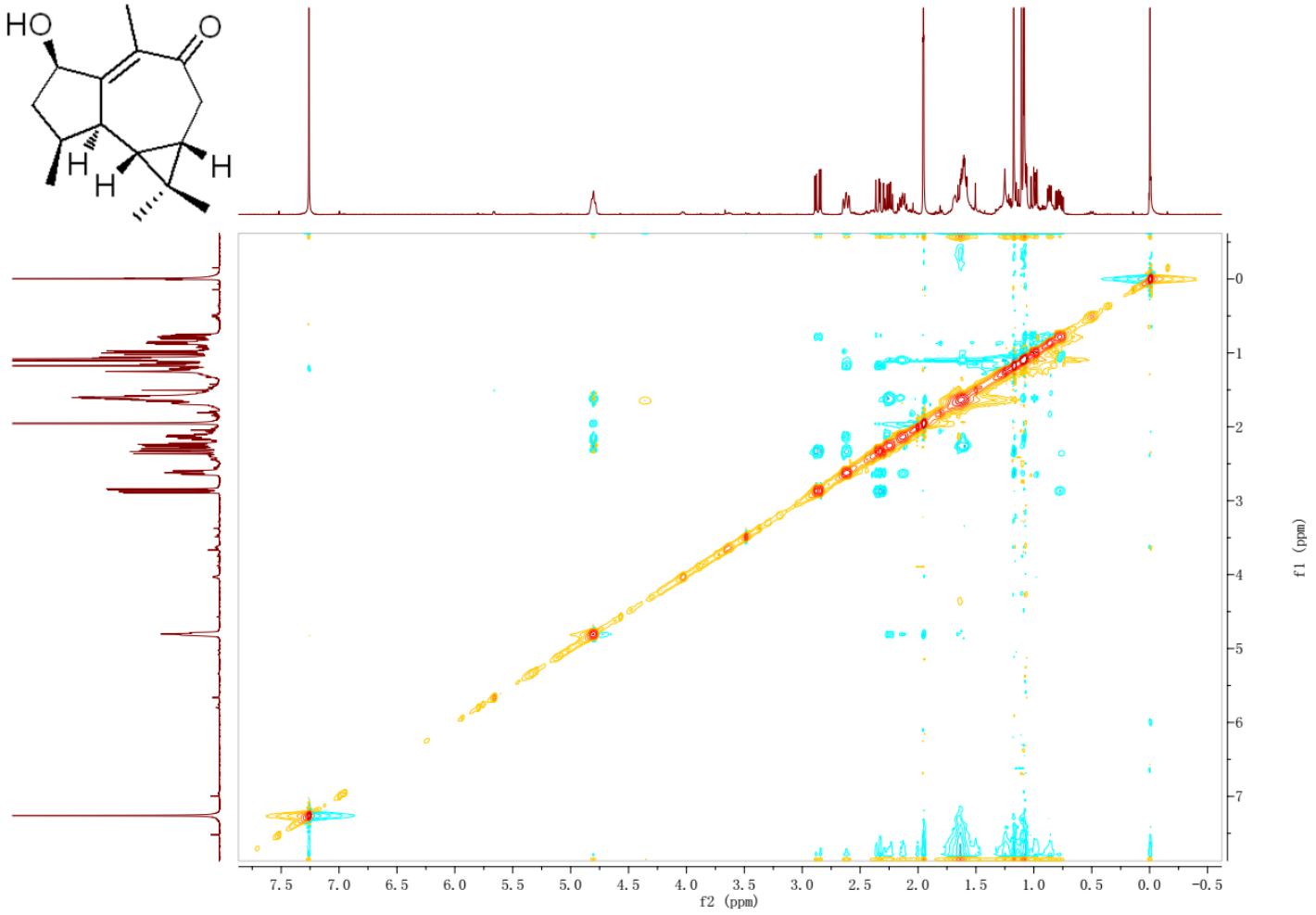
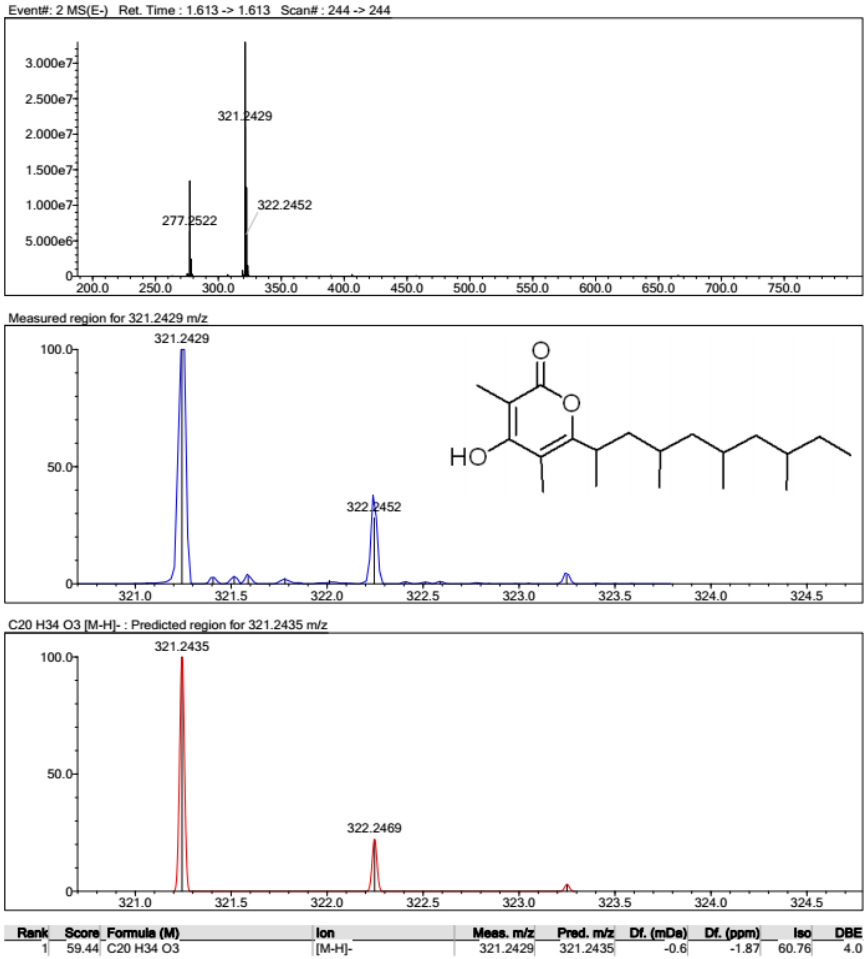


Figure S56. HR-ESI-MS spectrum of scedogiine G **(9)**



Rank	Score	Formula (M)	Ion	Meas. m/z	Pred. m/z	Df. (mDa)	Df. (ppm)	Iso	DBE
1	59.44	C20 H34 O3	[M-H]-	321.2429	321.2435	-0.6	-1.87	60.76	4.0

Figure S57. ^{1}H-NMR spectrum of scedogiine G **(9)** in $CDCl_3$ (400MHz)

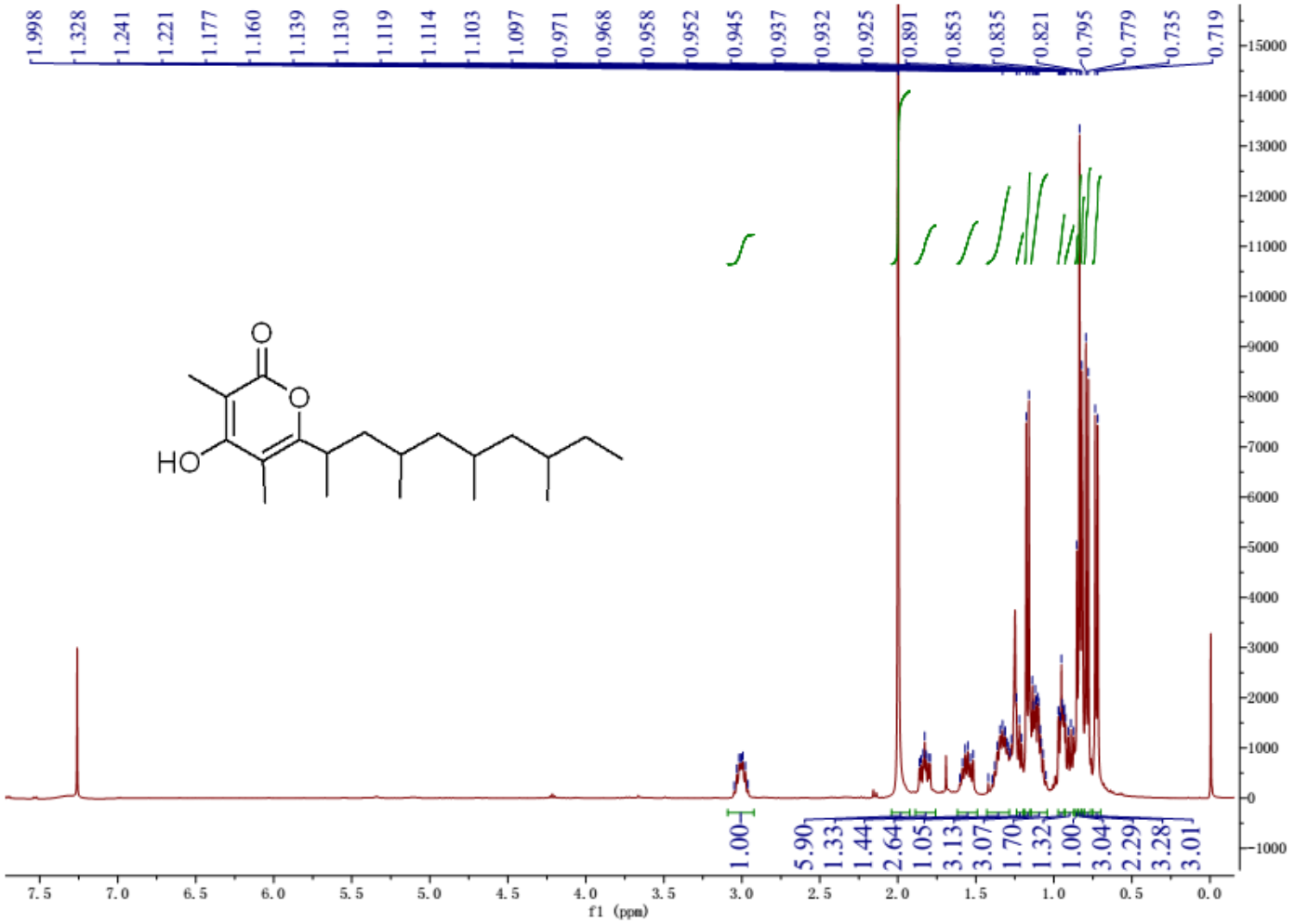


Figure S58. ^{13}C NMR spectrum of scedogiine G **(9)** in $CDCl_3$ (100MHz)

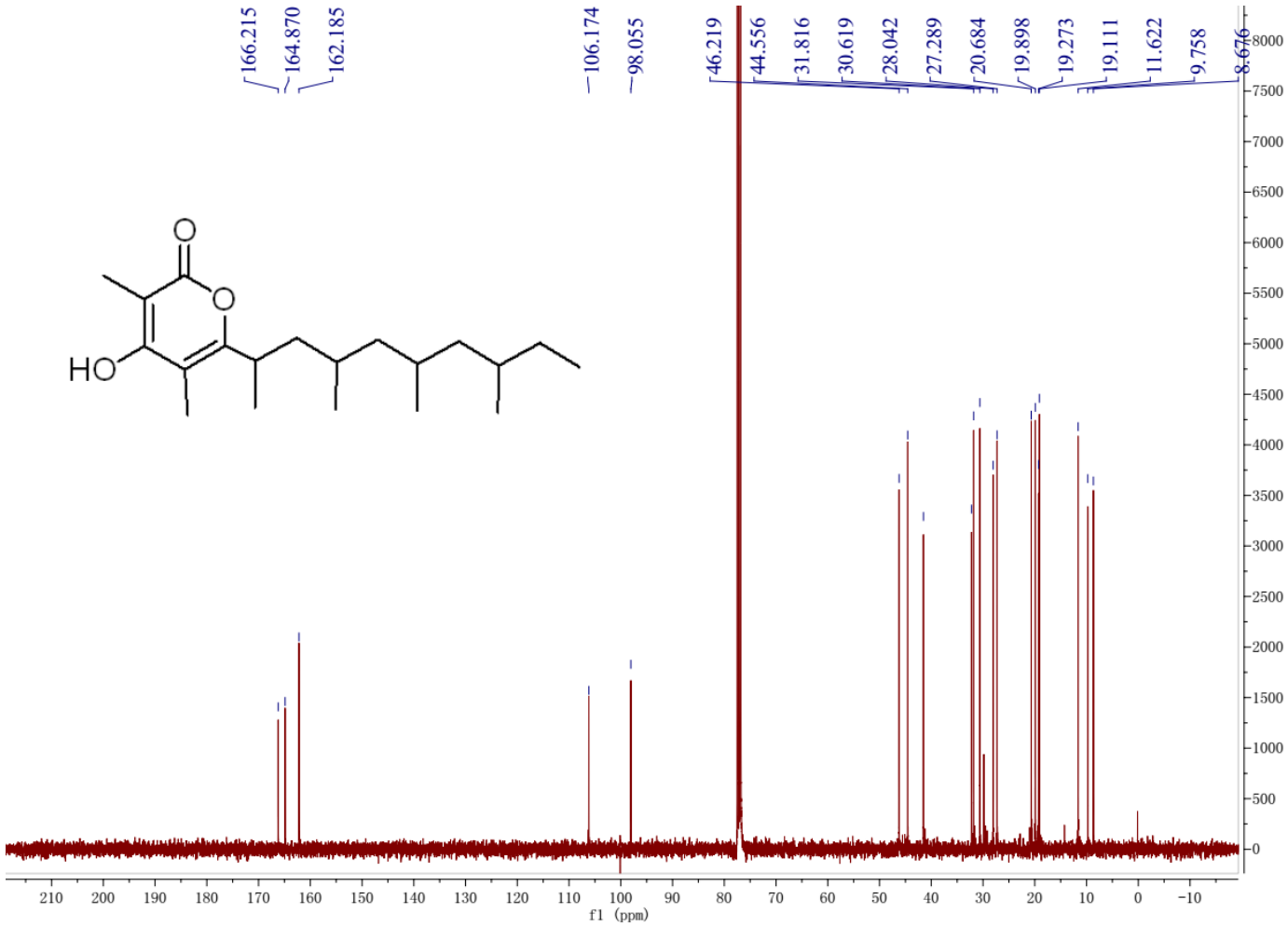


Figure S59. DEPT 135 spectrum of scedogiine G **(9)** in $CDCl_3$ (100MHz)

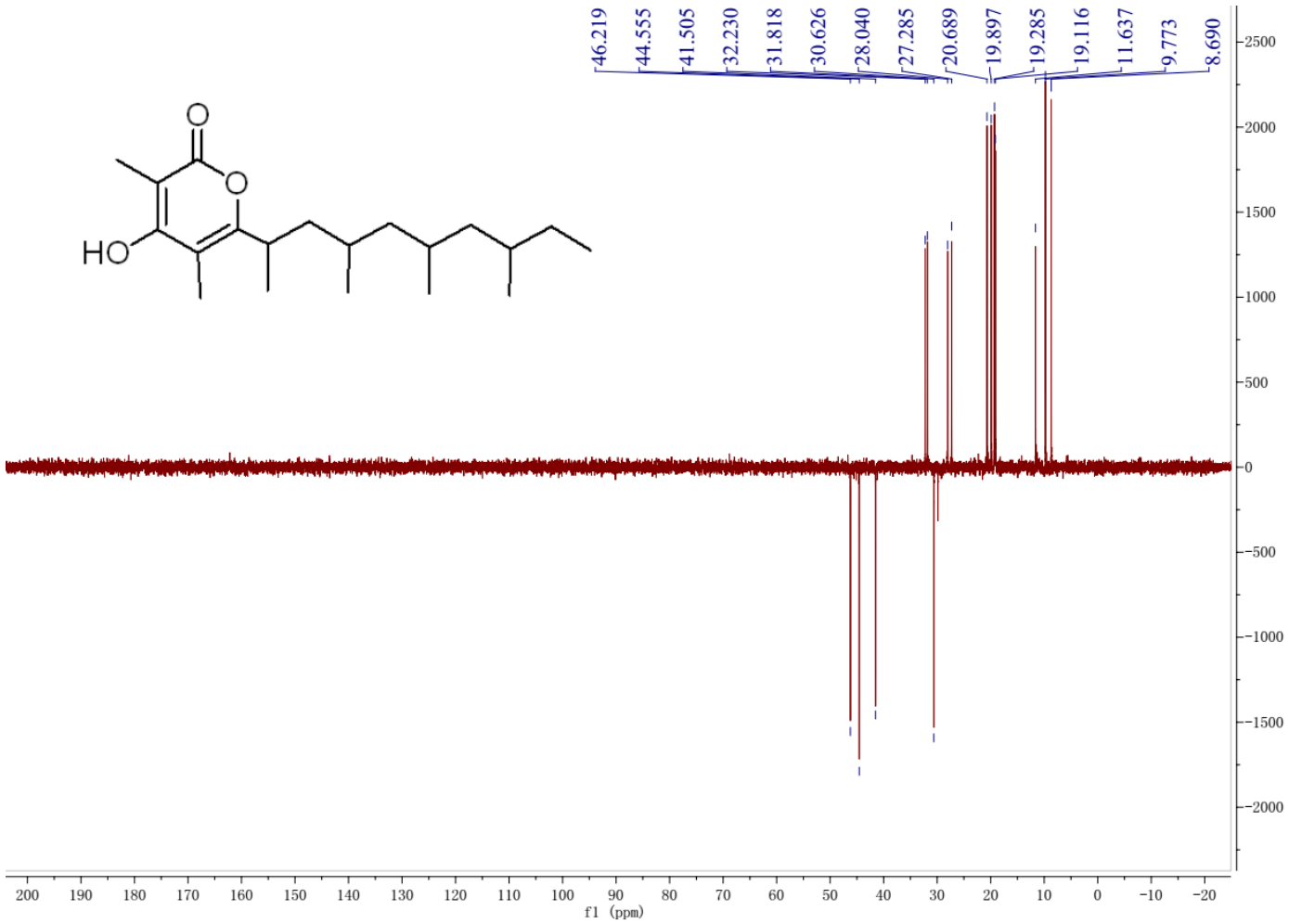


Figure S60. HMQC spectrum of scedogiine G **(9)** in $CDCl_3$

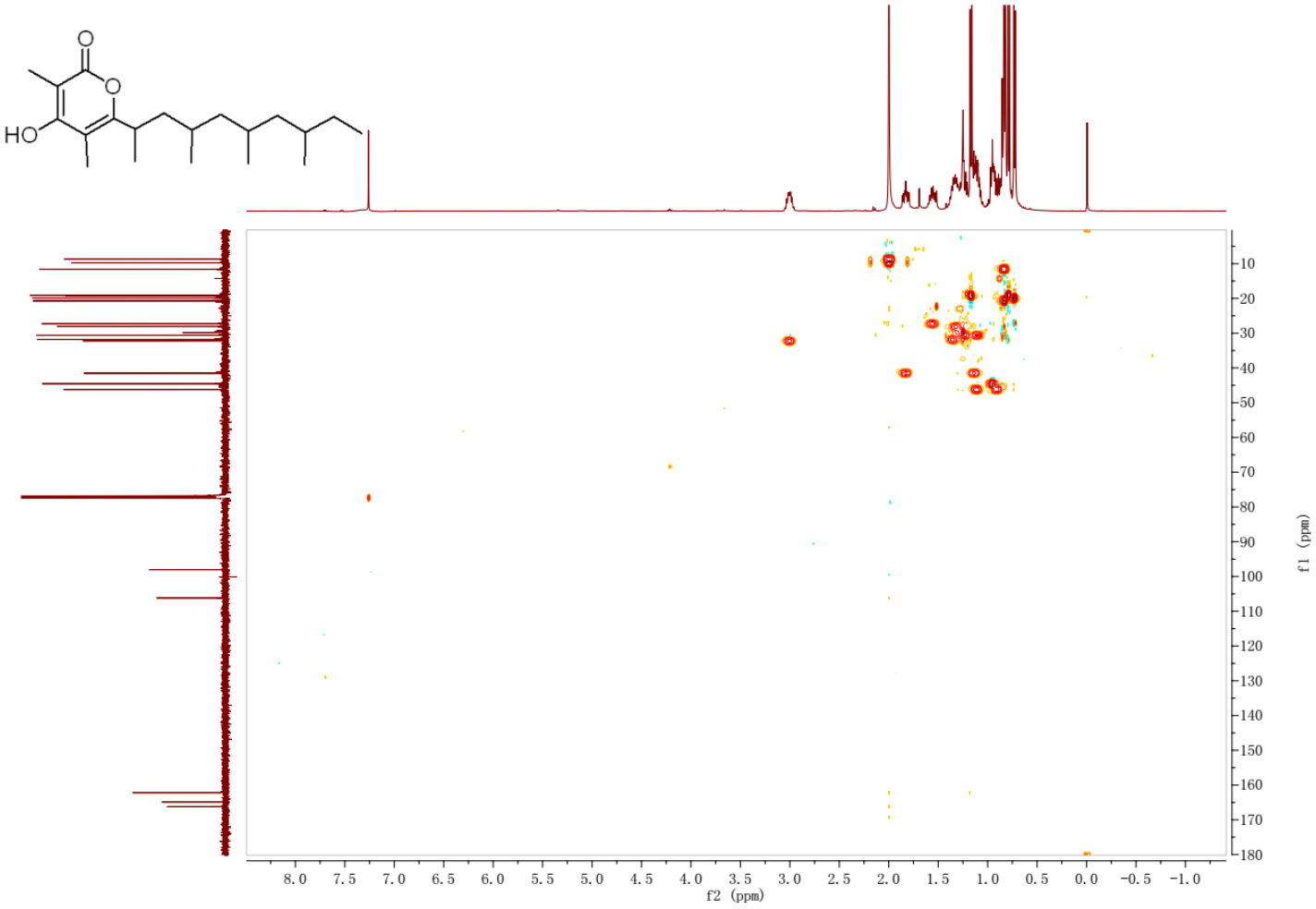


Figure S61. ^{1}H-^{1}H COSY spectrum of scedogiine G **(9)** in $CDCl_3$

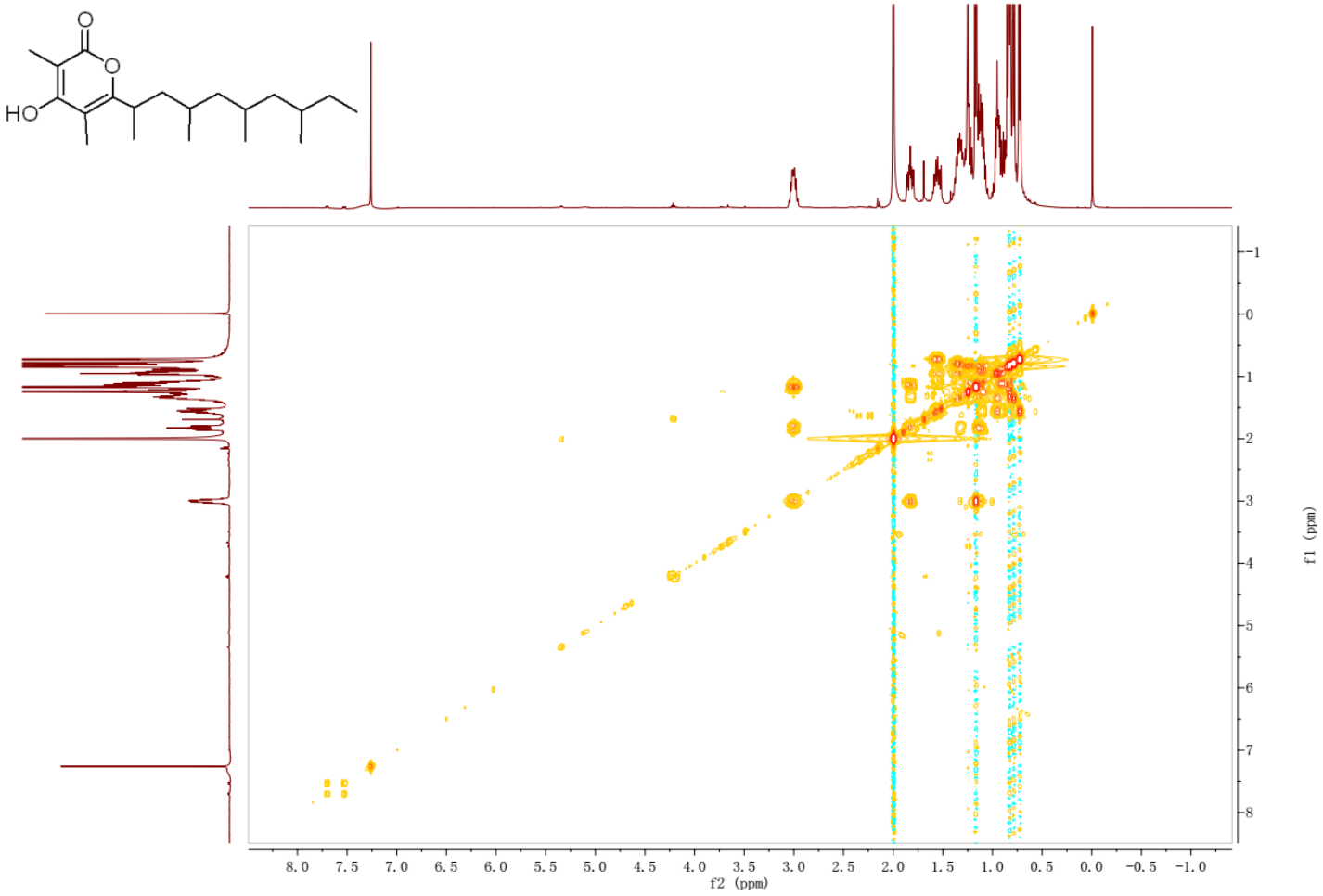


Figure S62. HMBC spectrum of scedogiine G **(9)** in $CDCl_3$

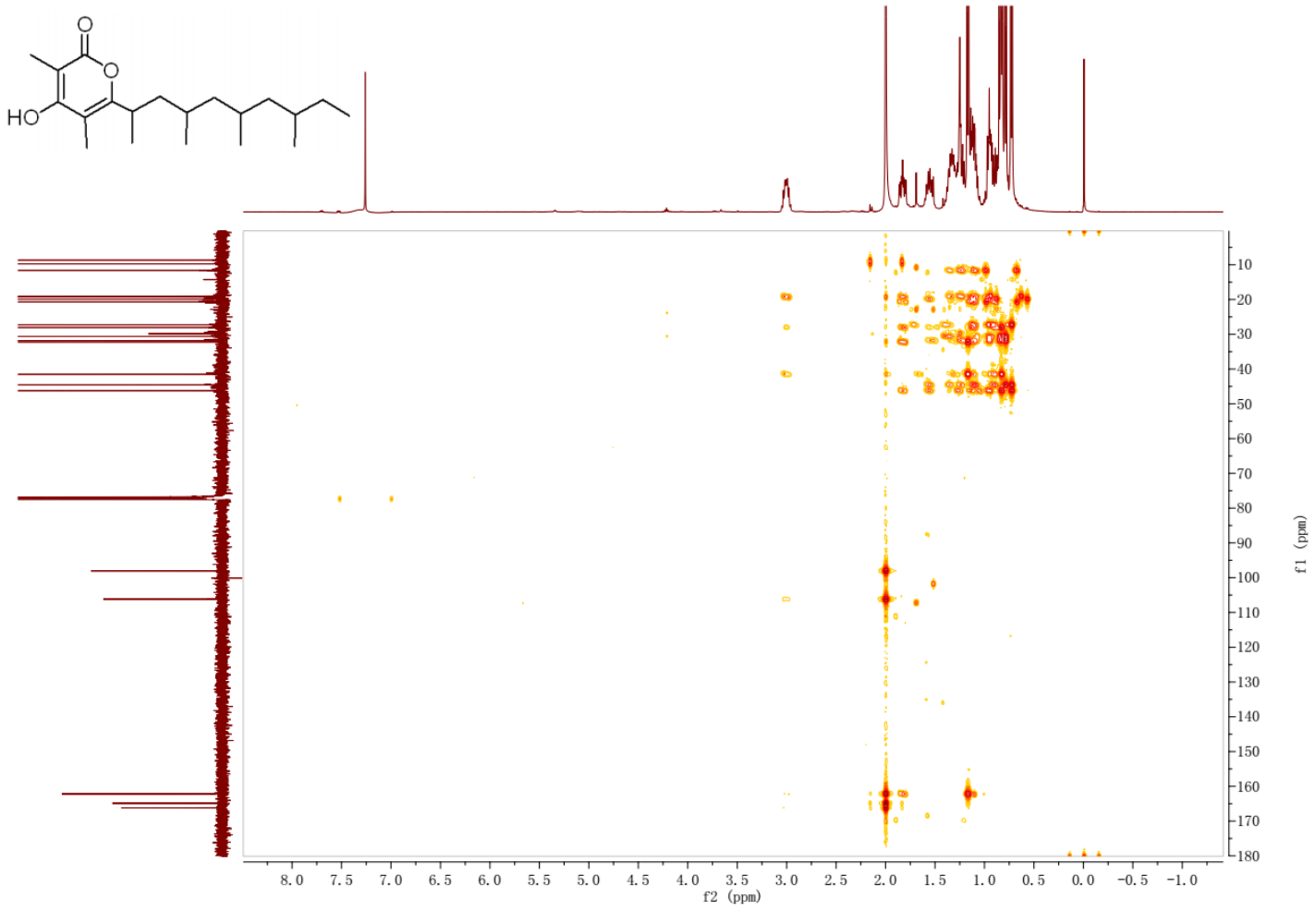


Figure S63. NOESY spectrum of scedogiine G **(9)** in $CDCl_3$