

Supporting Information

Polyketides and Alkaloids from the Marine-Derived Fungus *Dichotomomyces cejpai* F31-1 and the Antiviral Activity of Scequinadoline A against Dengue Virus

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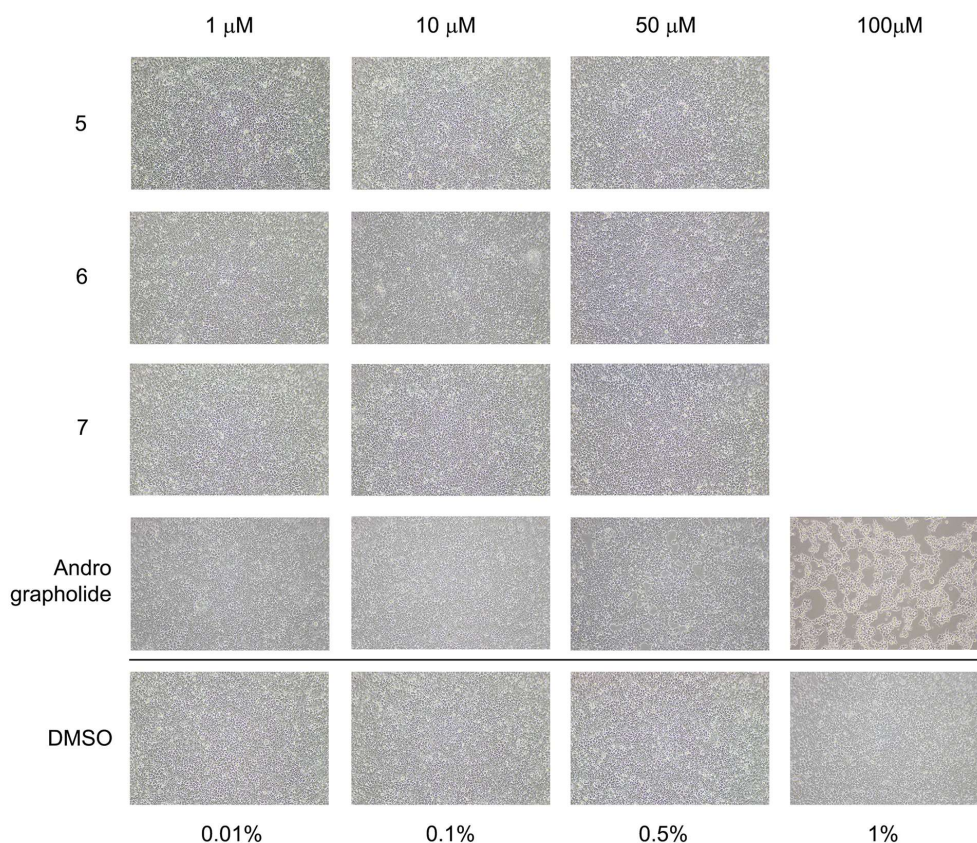


Figure S1. The evaluation of cytotoxicity of [scequinadolines A \(5\)](#), [quinadoline A \(6\)](#) and [scequinadolines E \(7\)](#) was observed of alterations of cell morphology. HEK293T/17 cells were incubated with 1, 10 and 50 mM of TL01, 02, 03, in parallel with andrographolide and DMSO as a control. At 24 hrs post treatment, cell morphology of the treated cells was observed under inverted light microscope.

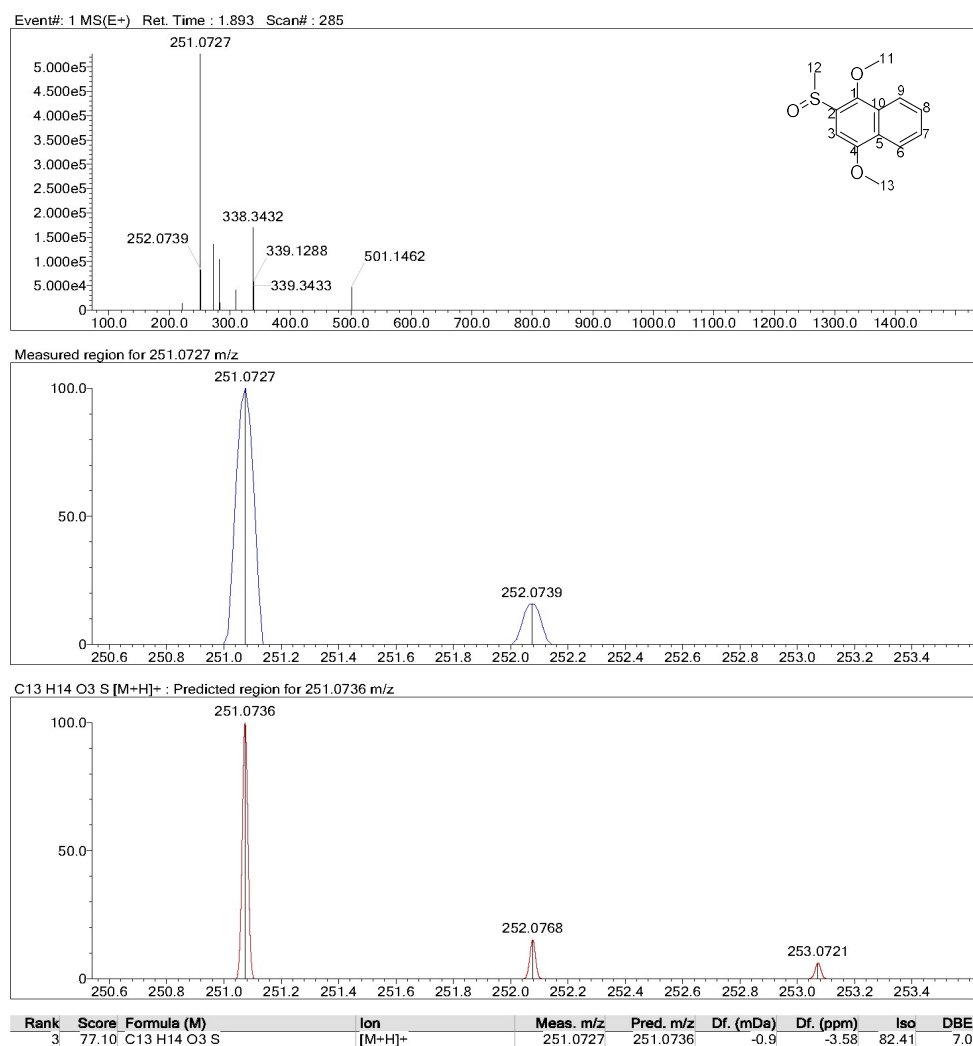
Figure S2. HR-ESI-MS spectrum of **dichocetide B (1)**

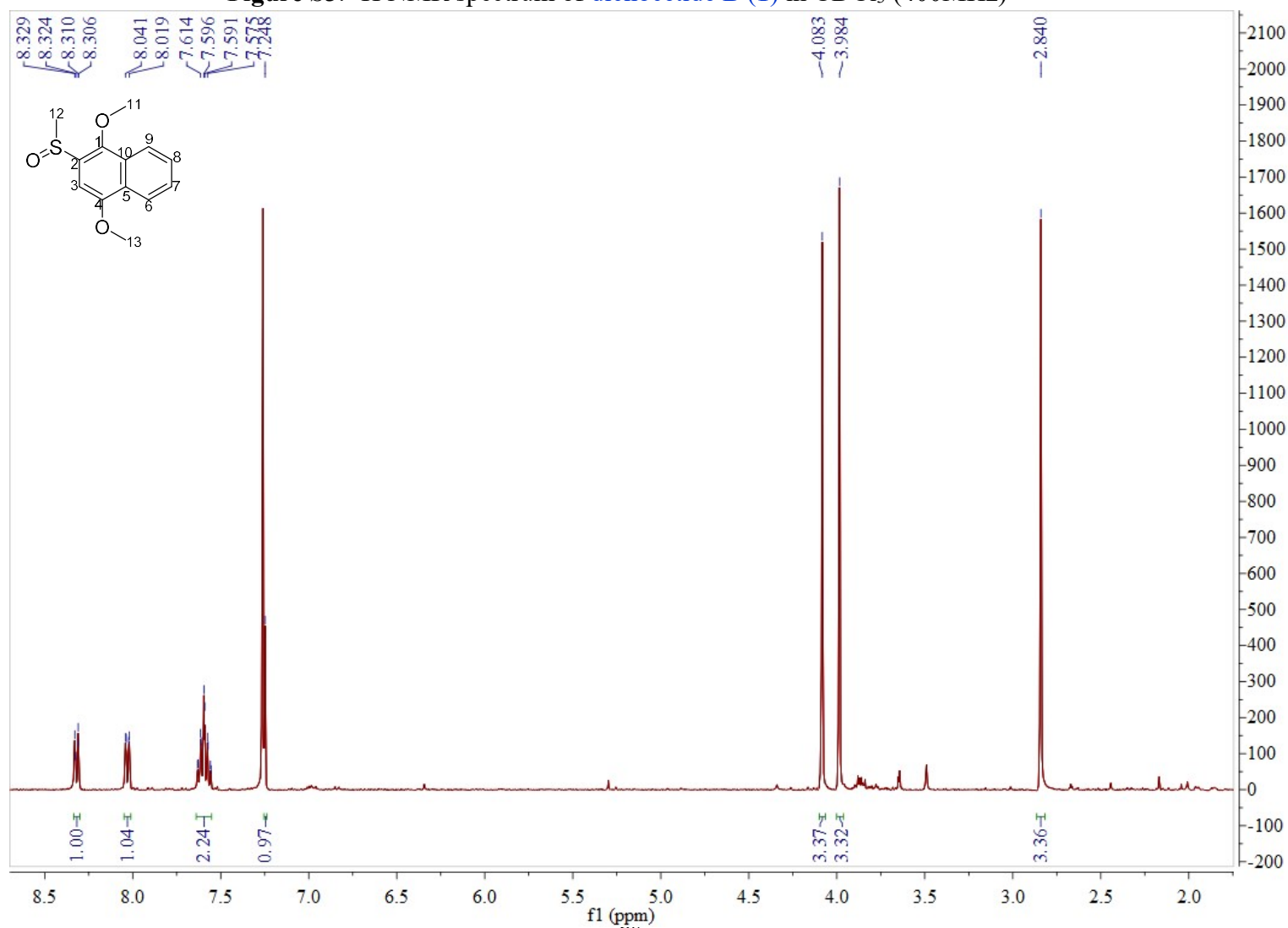
Figure S3. ^1H NMR spectrum of dichocetide B (1) in CDCl_3 (400MHz)

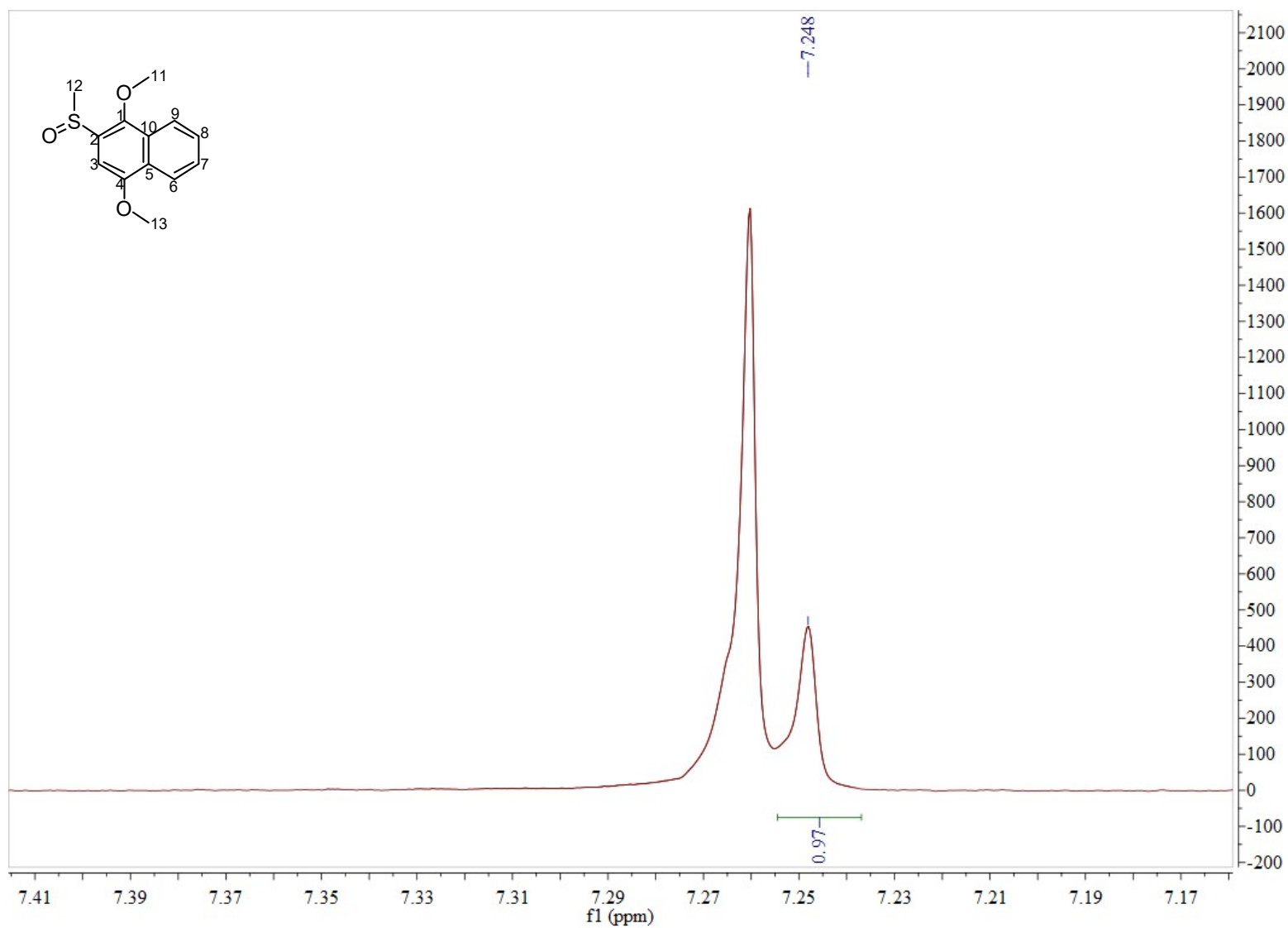
Figure S4. An expansion of ^1H NMR spectrum of dichocetide B (**1**) in CDCl_3 (400MHz)

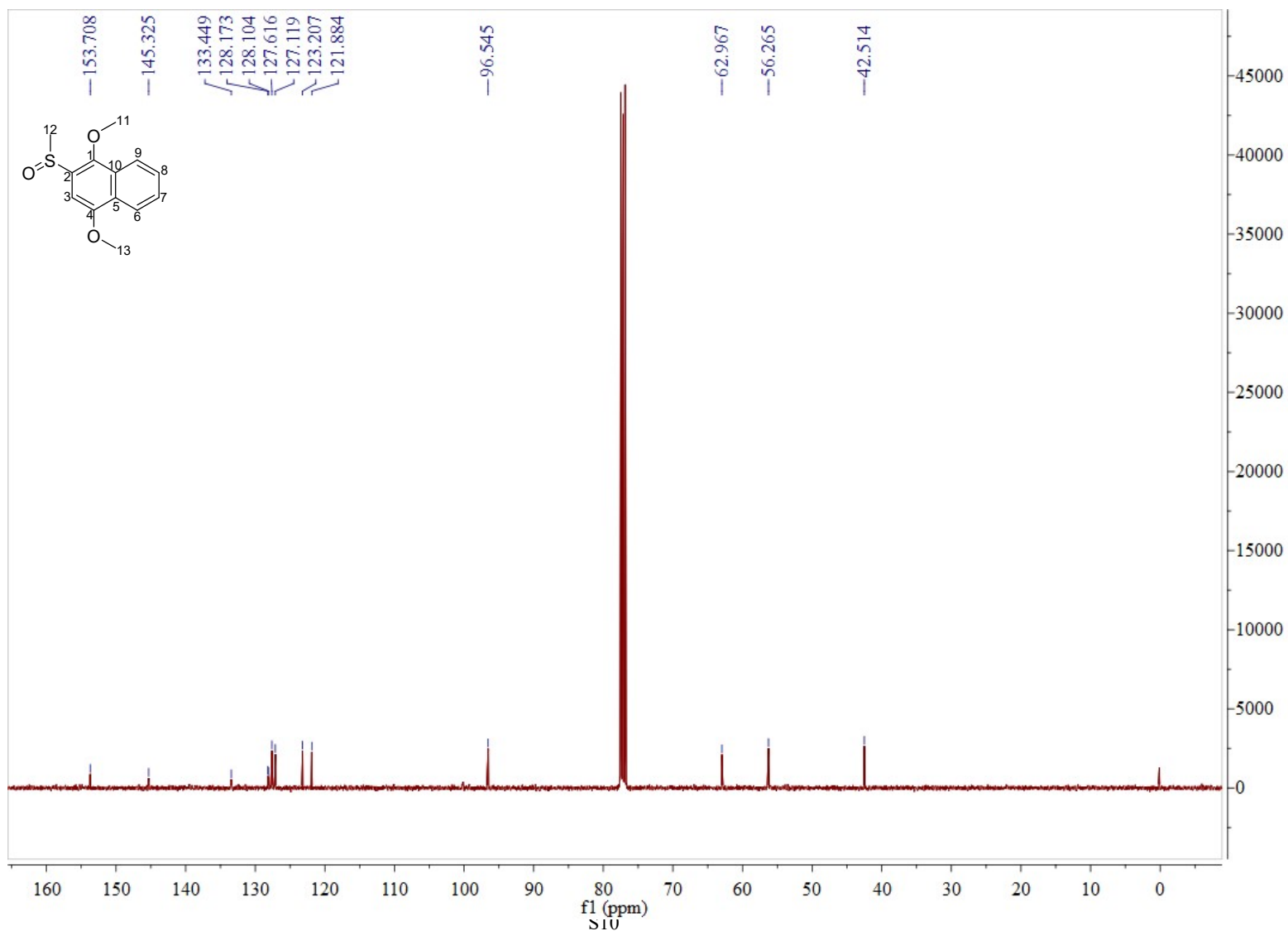
Figure S5. ^{13}C NMR spectrum of dichocetide B (**1**) in CDCl_3 (100MHz)

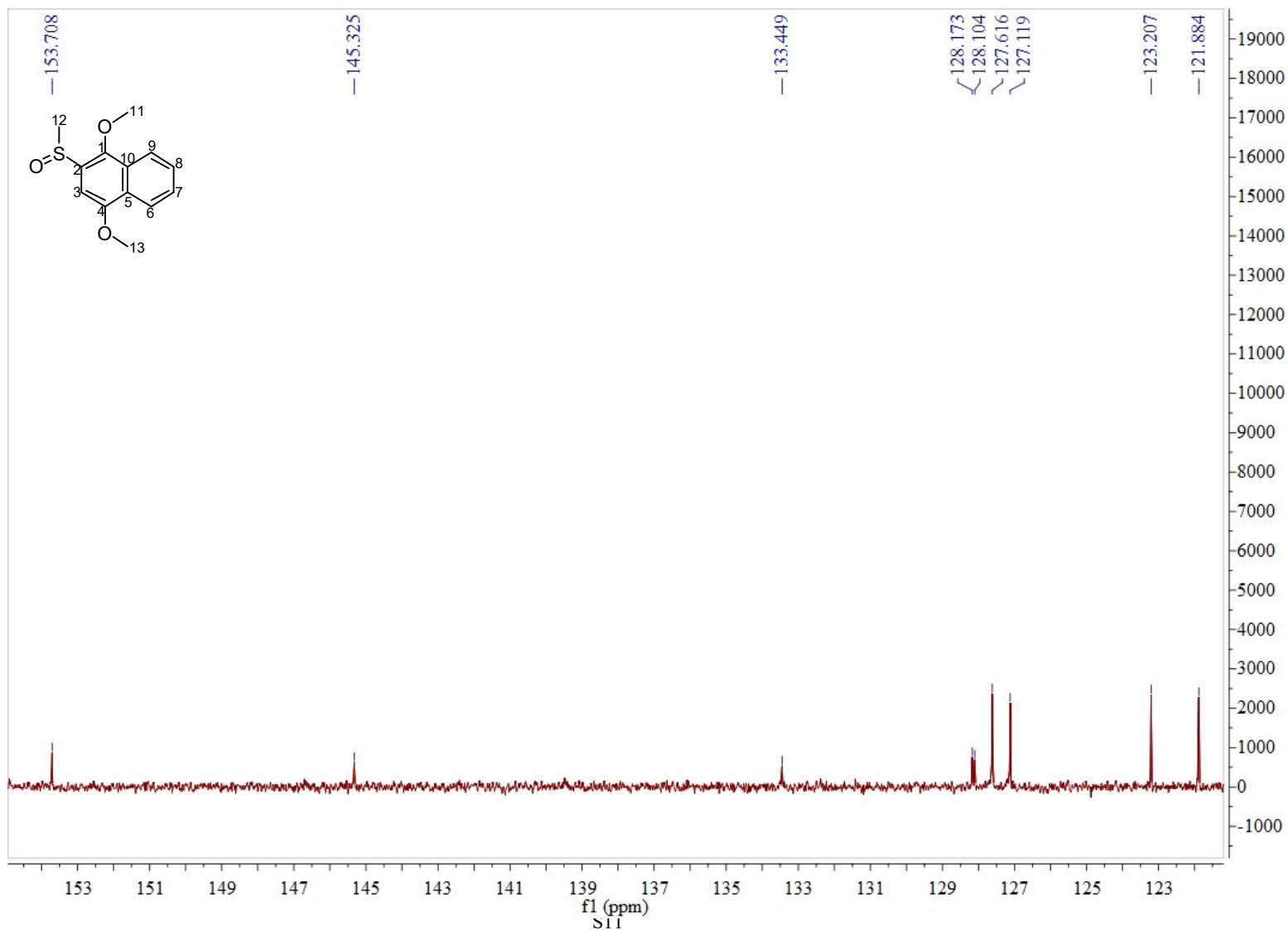
Figure S6. An expansion of ^{13}C NMR spectrum of dichocetide B (**1**) in CDCl_3 (100MHz)

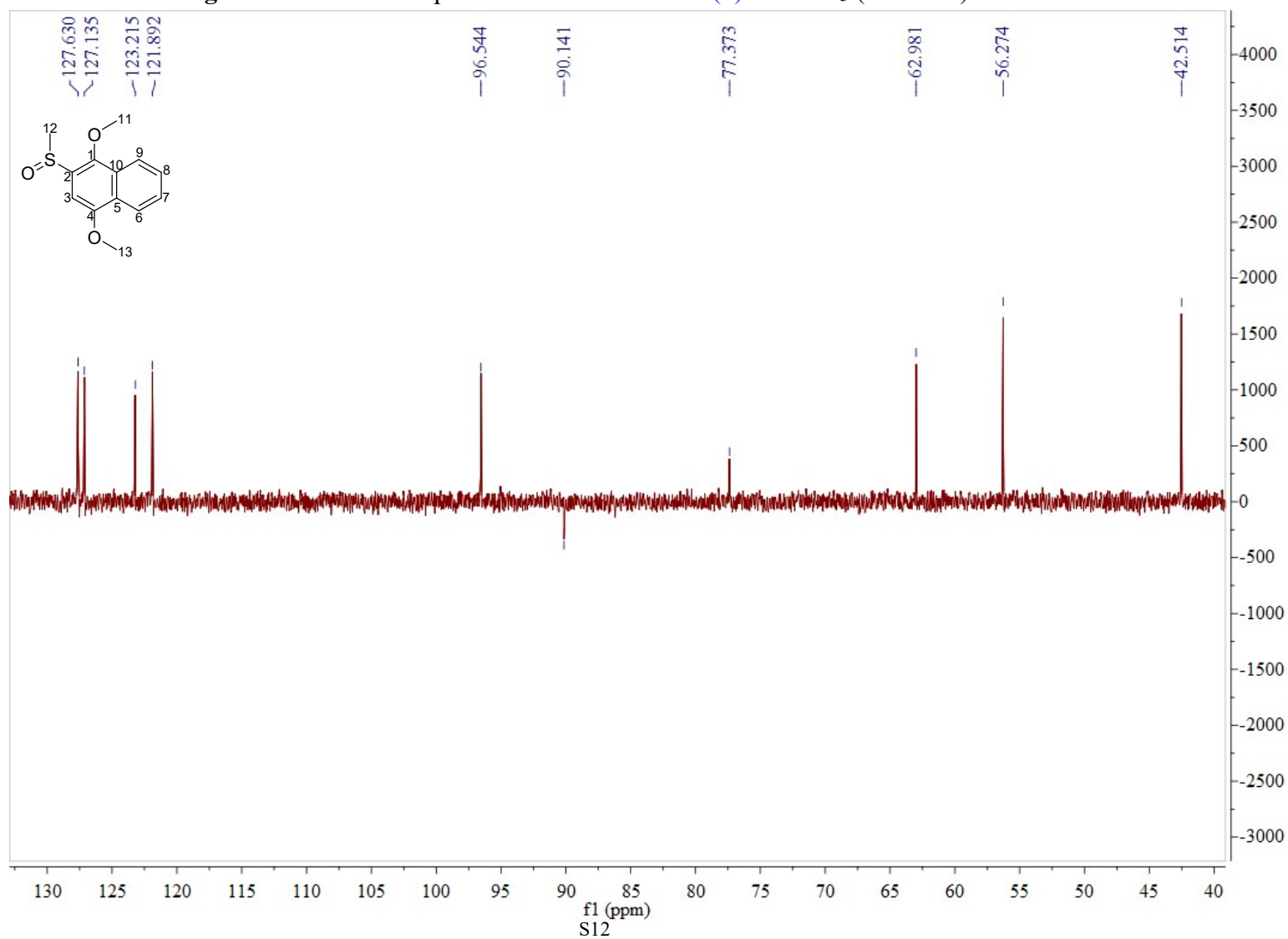
Figure S7. DEPT 135 spectrum of **dichocetide B (1)** in CDCl₃ (100MHz)

Figure S8. HSQC spectrum of dichocetide B (**1**) in CDCl₃

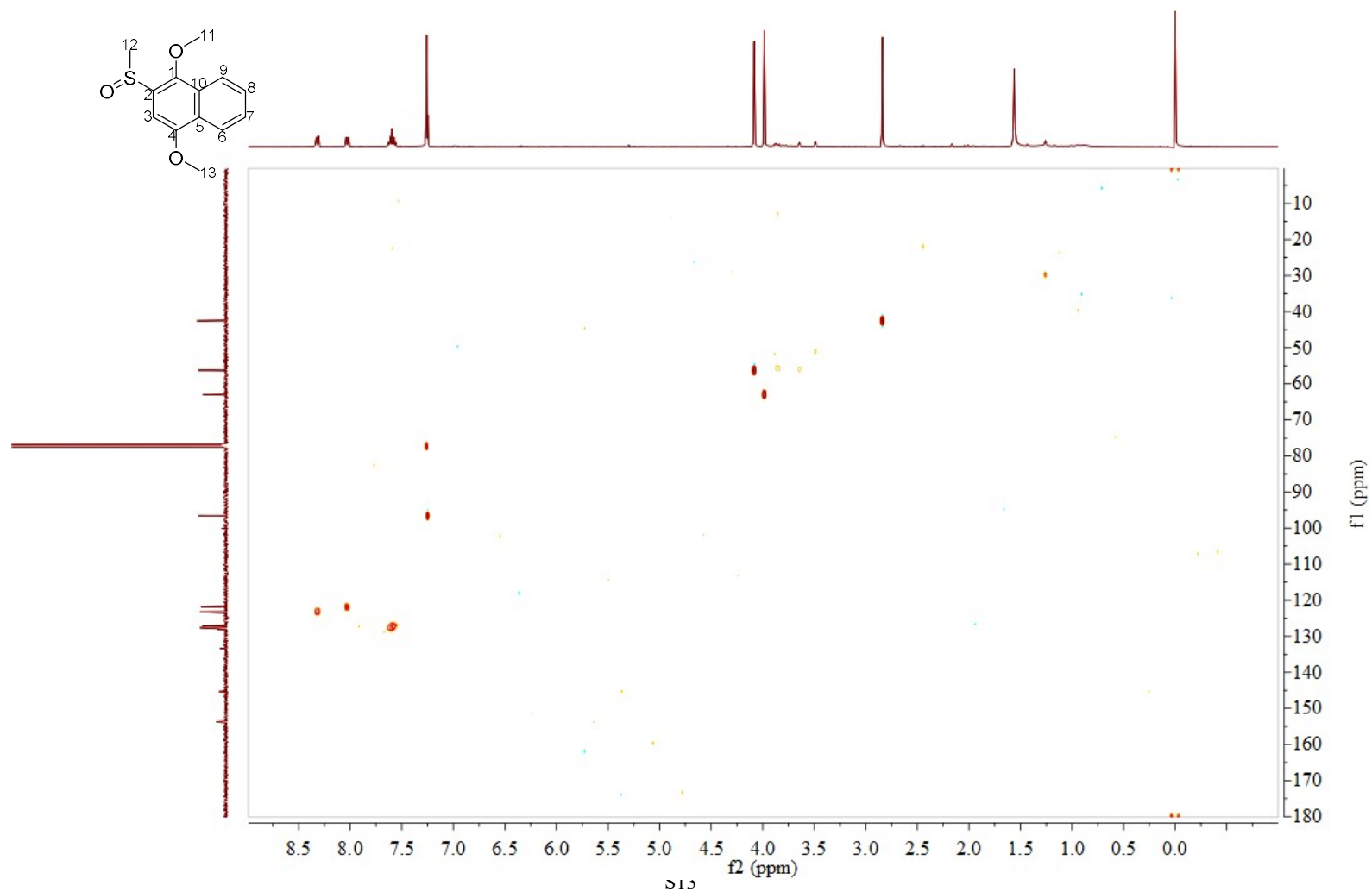


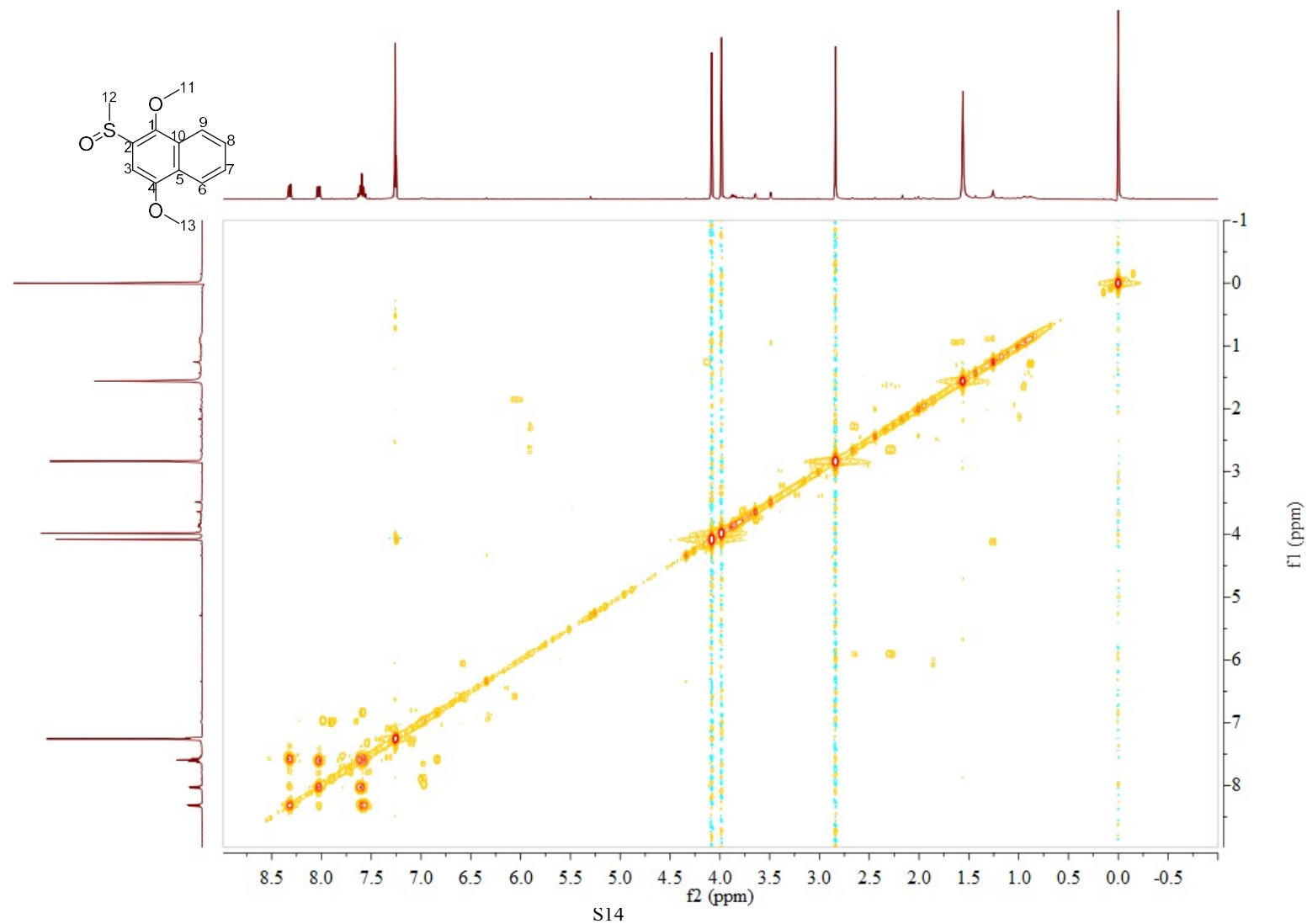
Figure S9. ^1H - ^1H COSY spectrum of dichocetide B (1) in CDCl_3 

Figure S10. HMBC spectrum of **dichocetide B (1)** in CDCl₃

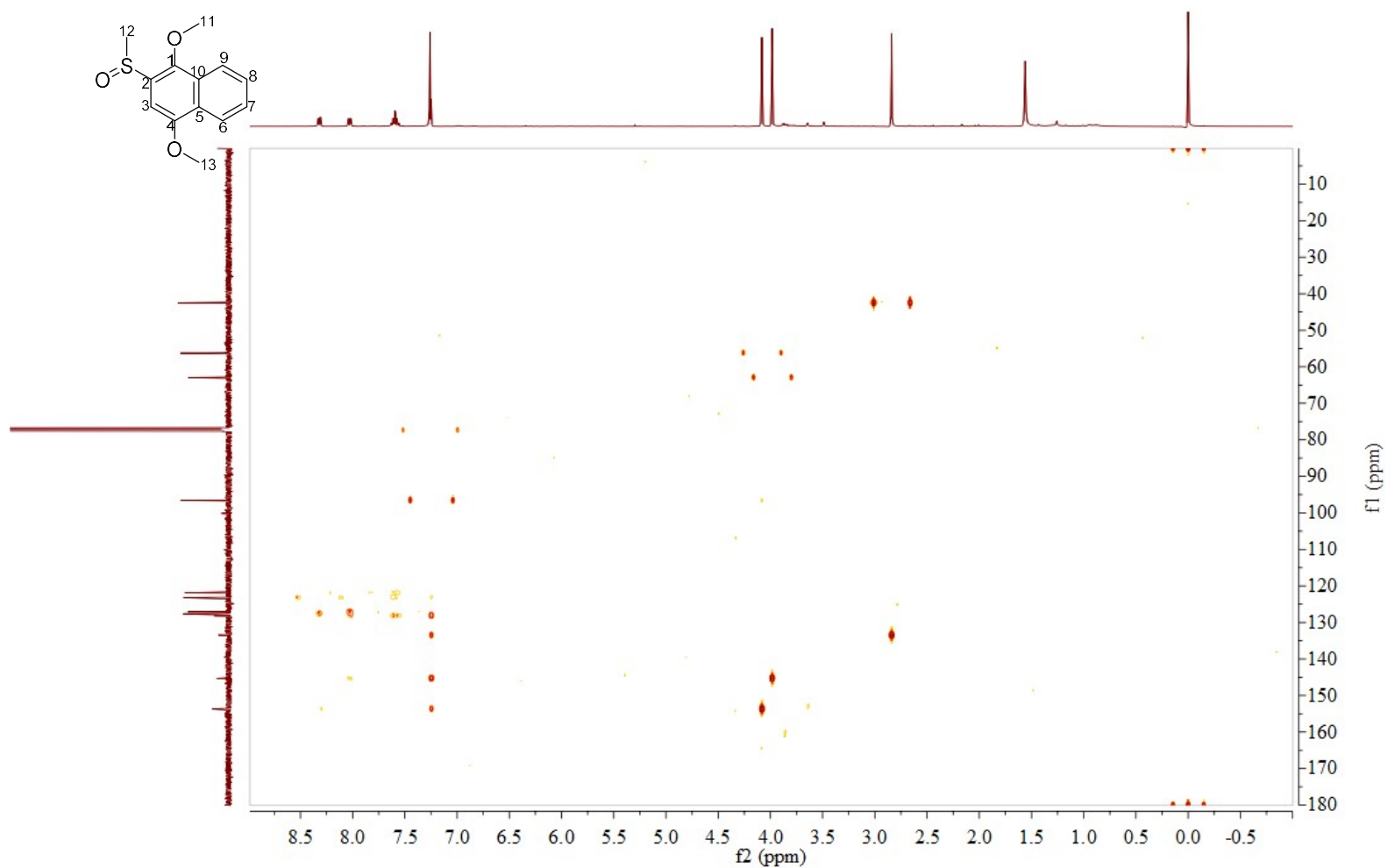


Figure S11. An expansion of HMBC spectrum of dichocetide B (**1**) in CDCl₃

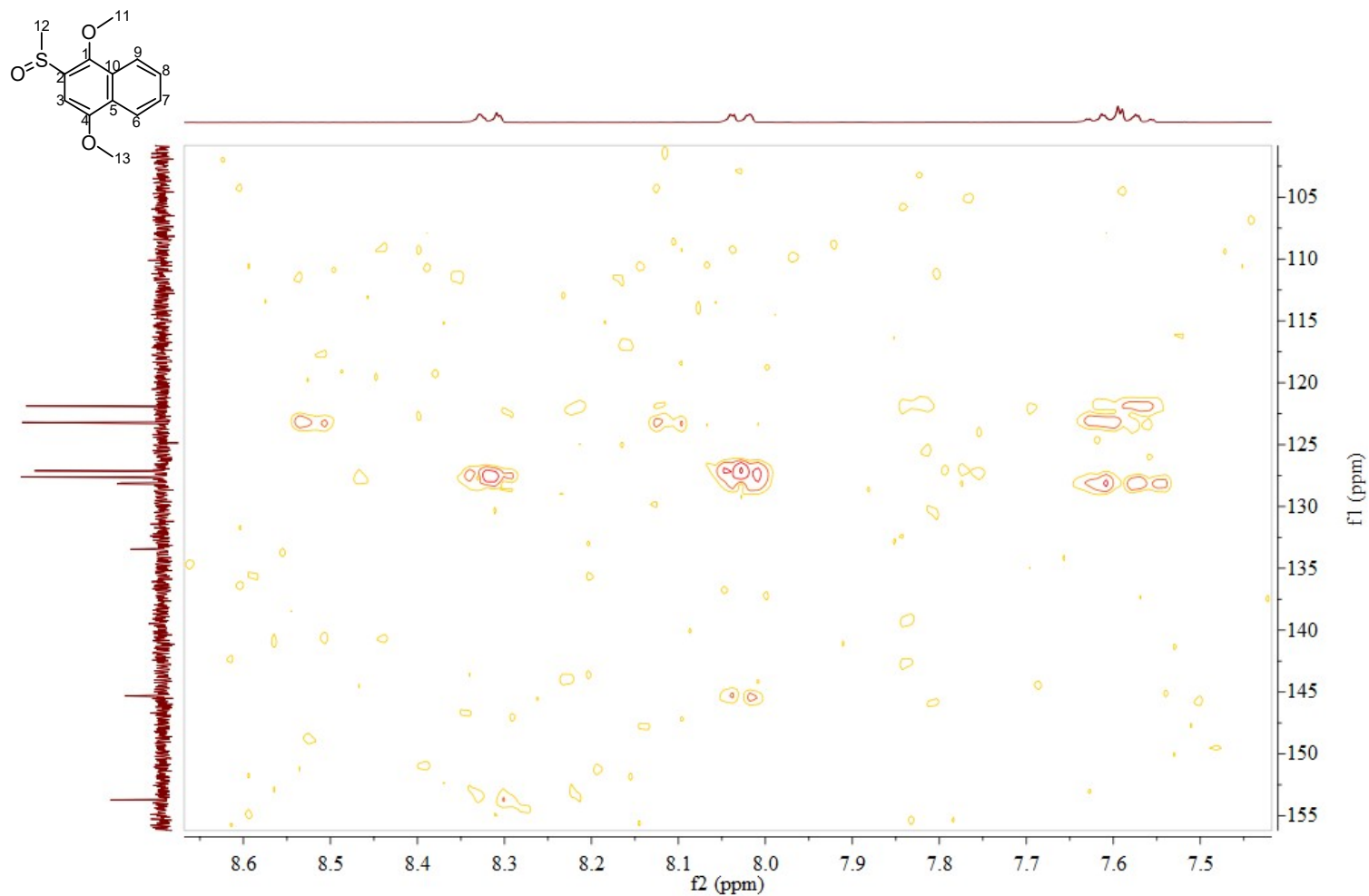


Figure S12. NOESY spectrum of **dichocetide B (1)** in CDCl_3

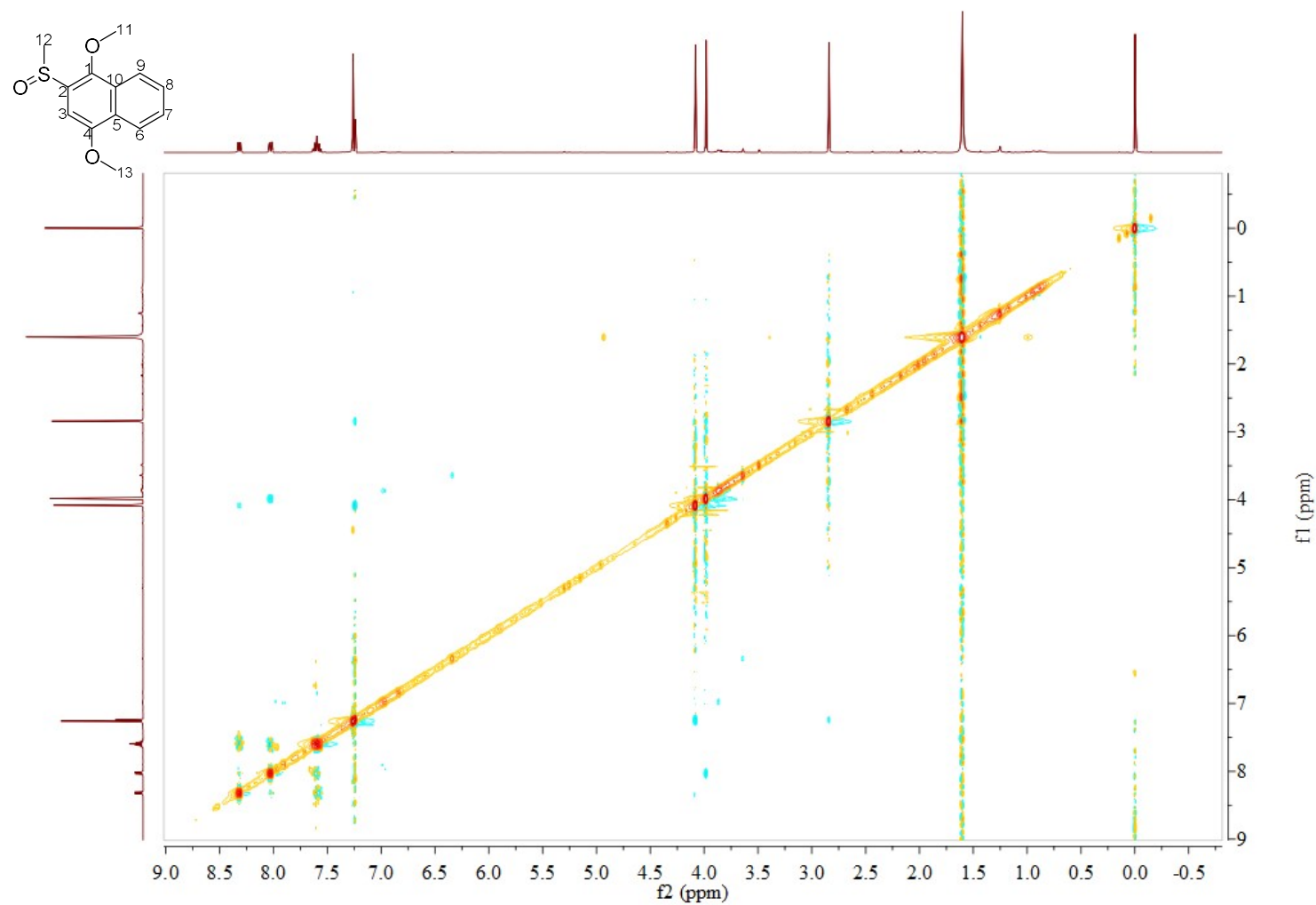


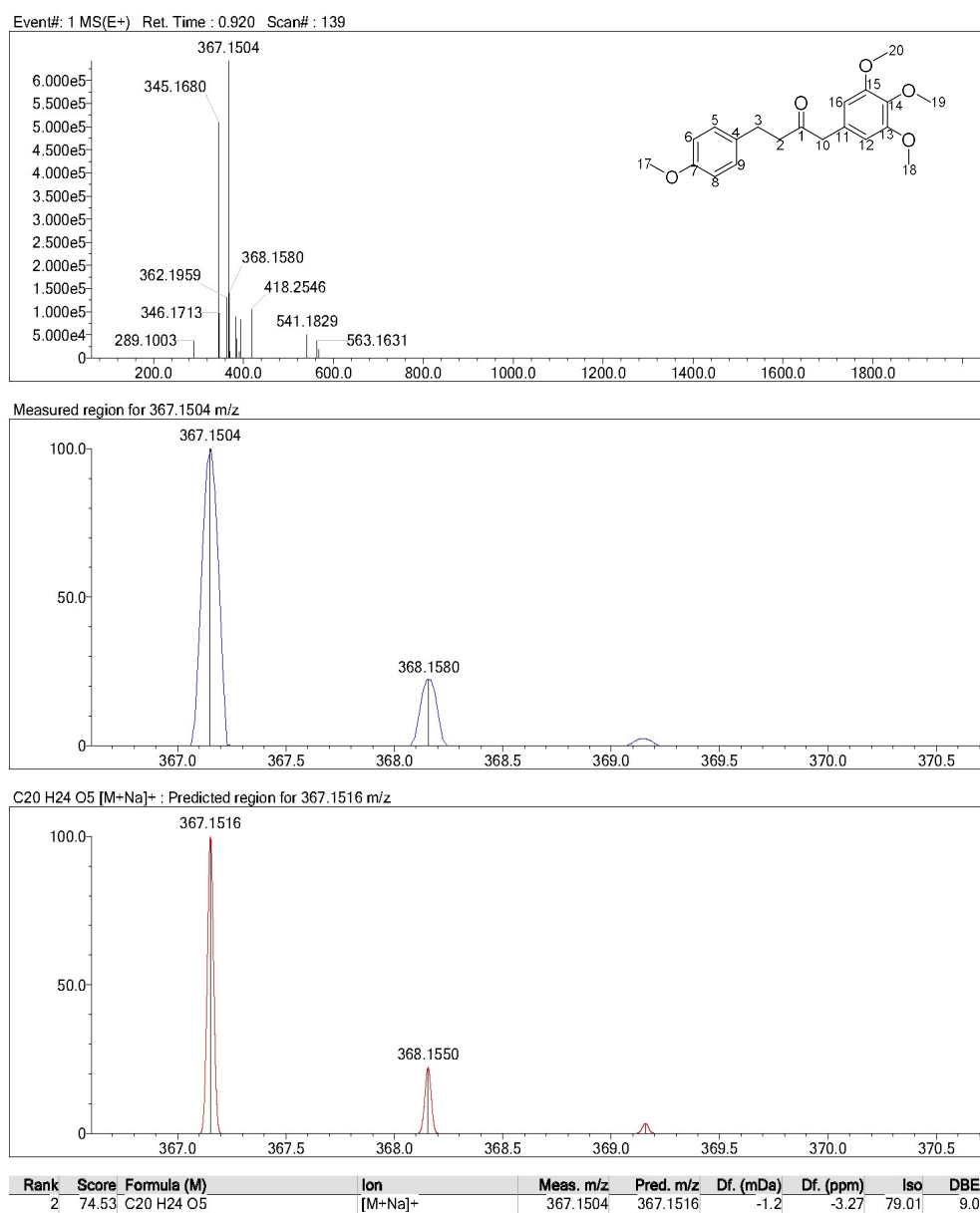
Figure S13. HR-ESI-MS spectrum of **dichocetide C (2)**

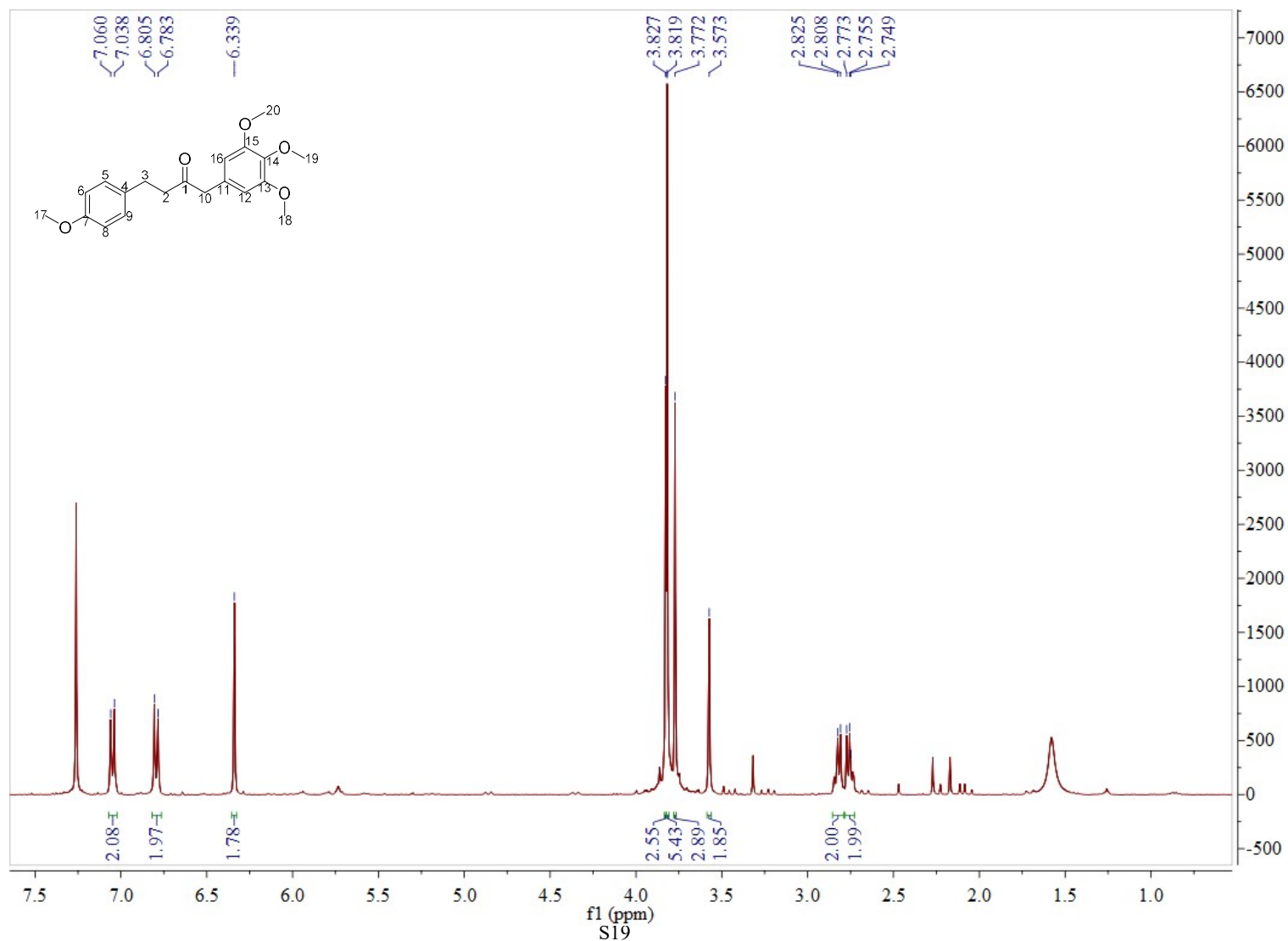
Figure S14. ^1H NMR spectrum of dichocetide C (2) in CDCl_3 (400MHz)

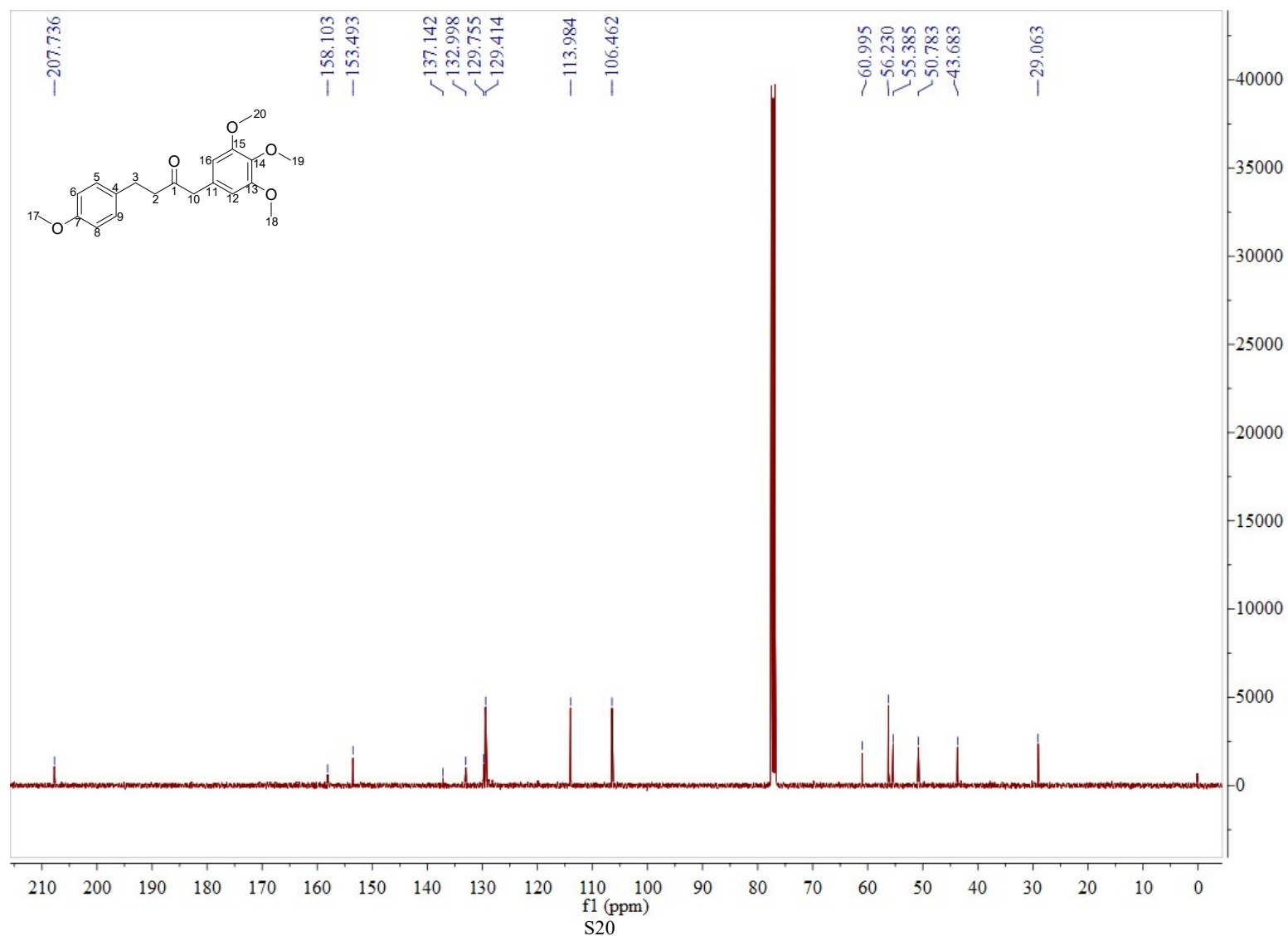
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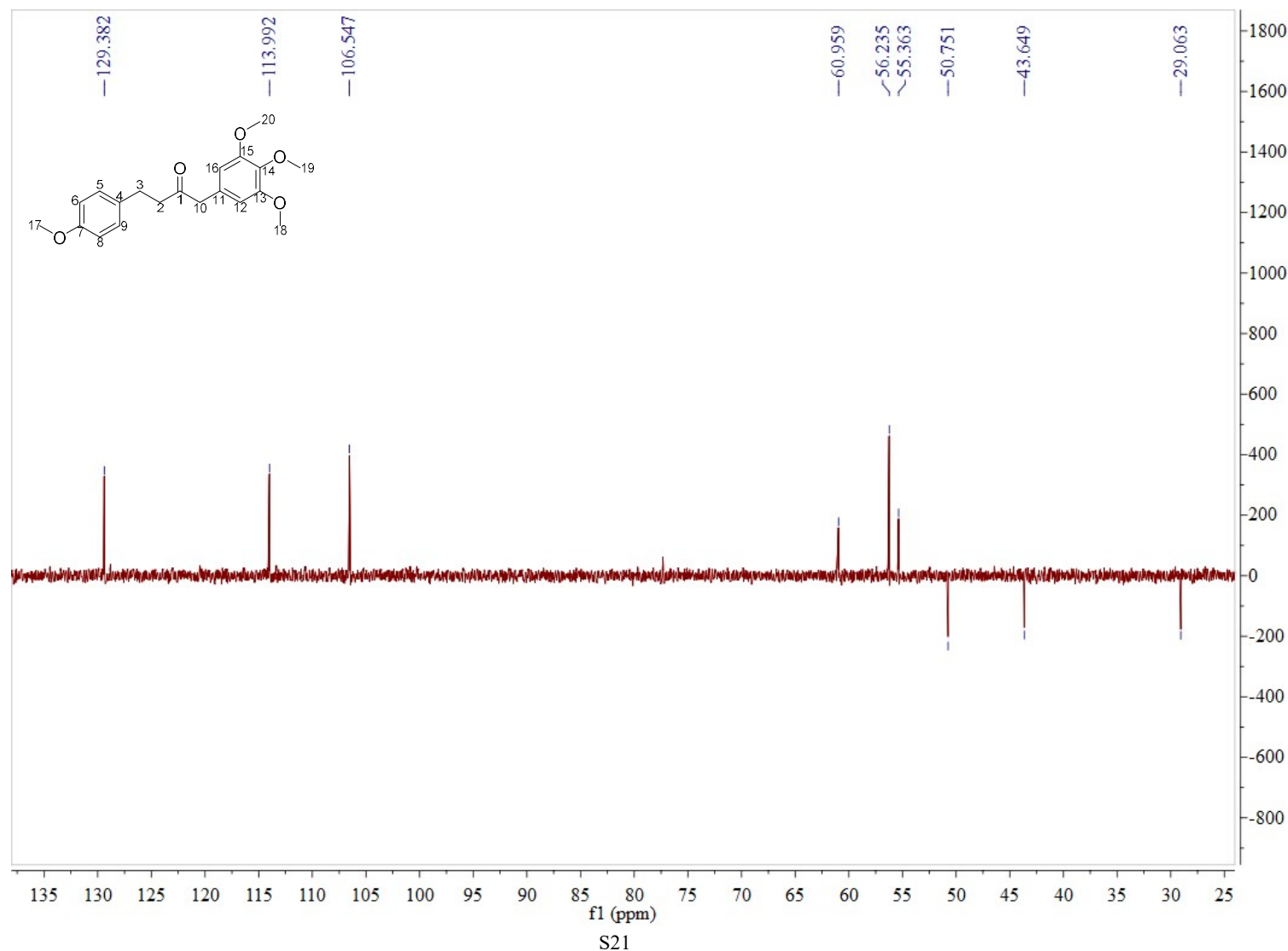
Figure S16. DEPT 135 spectrum of **dichocetide C (2)** in CDCl_3 (100MHz)

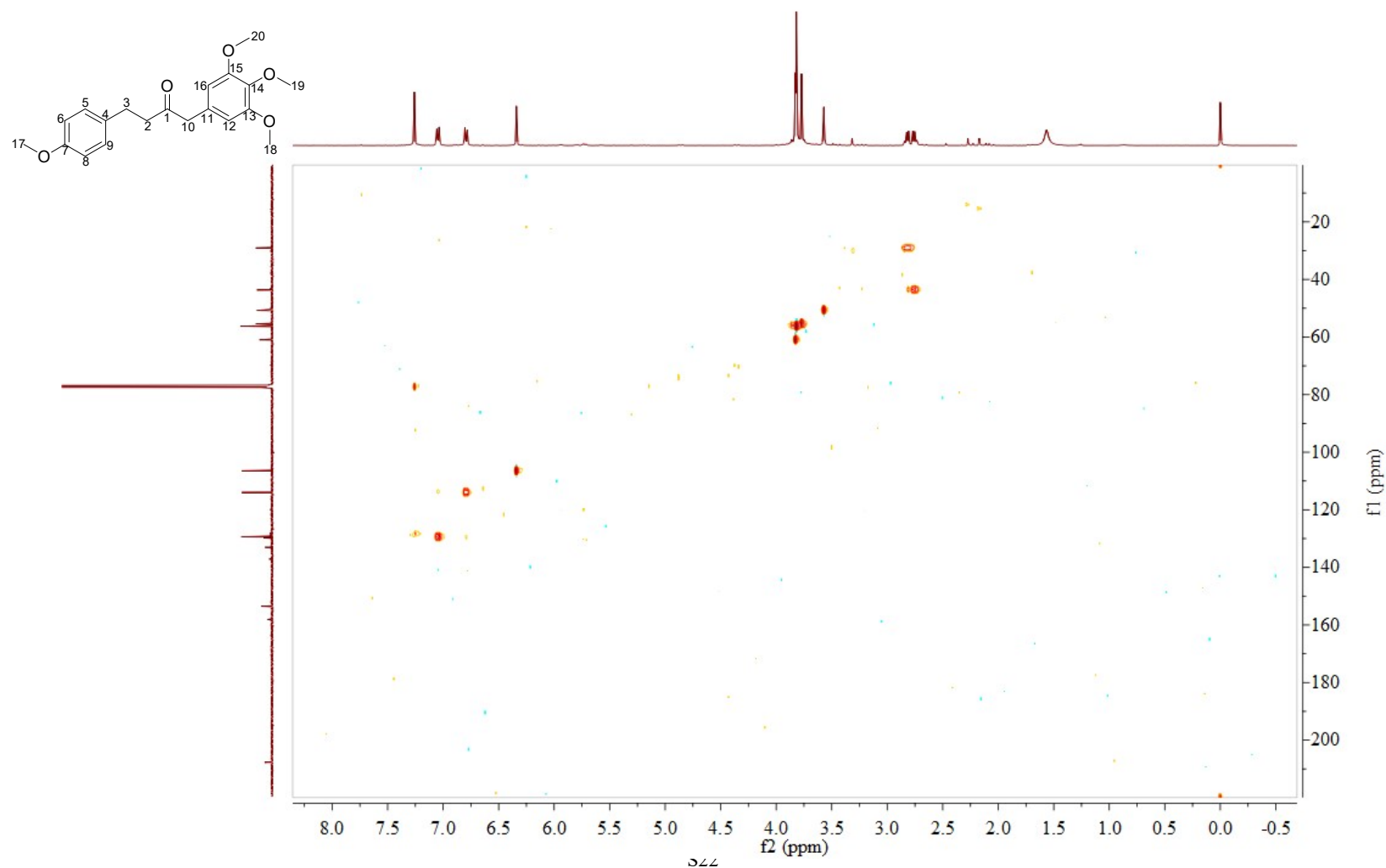
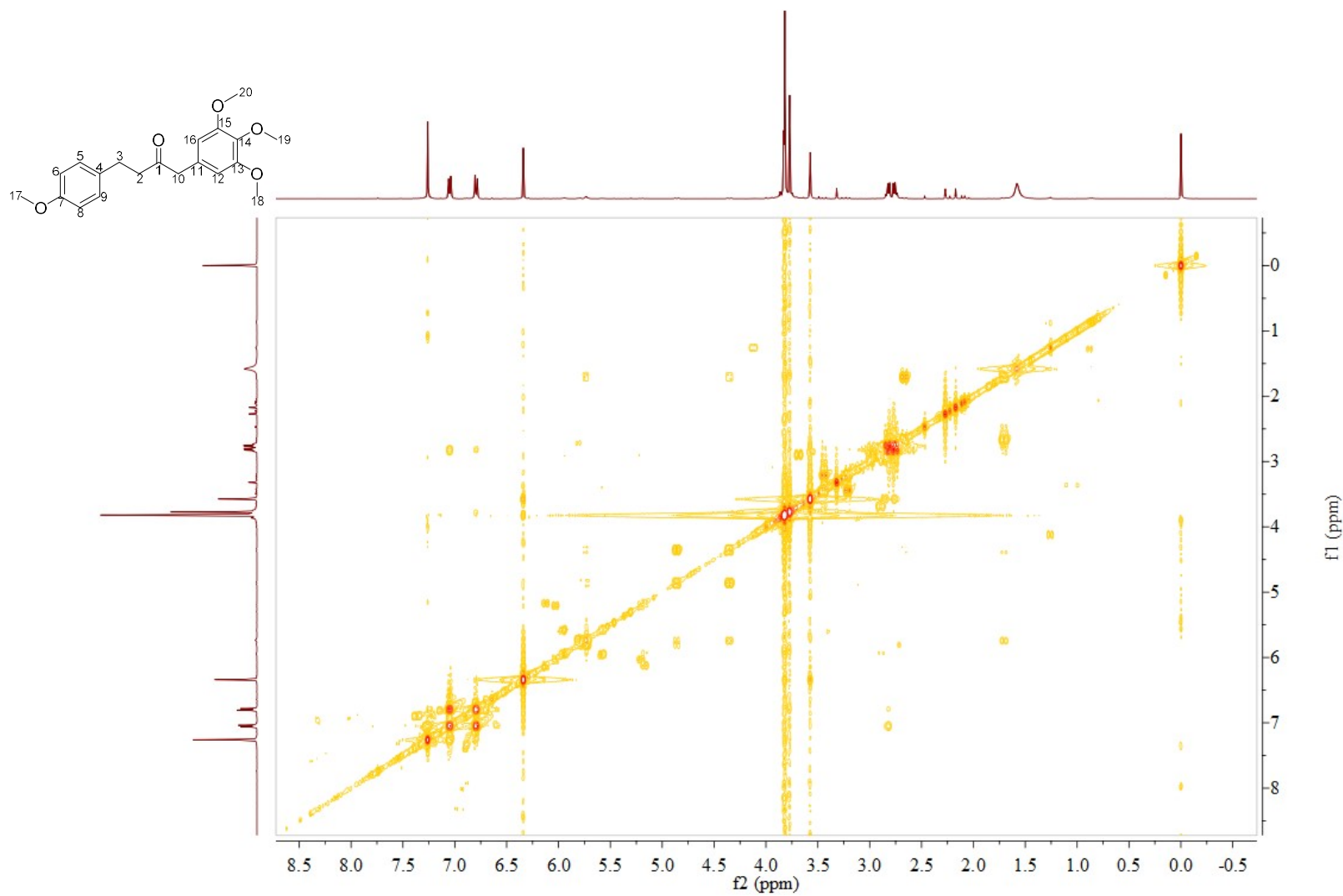
Figure S17. HSQC spectrum of dichocetide C (2) in CDCl₃

Figure S18. ^1H - ^1H COSY spectrum of dichocetide C (**2**) in CDCl_3 

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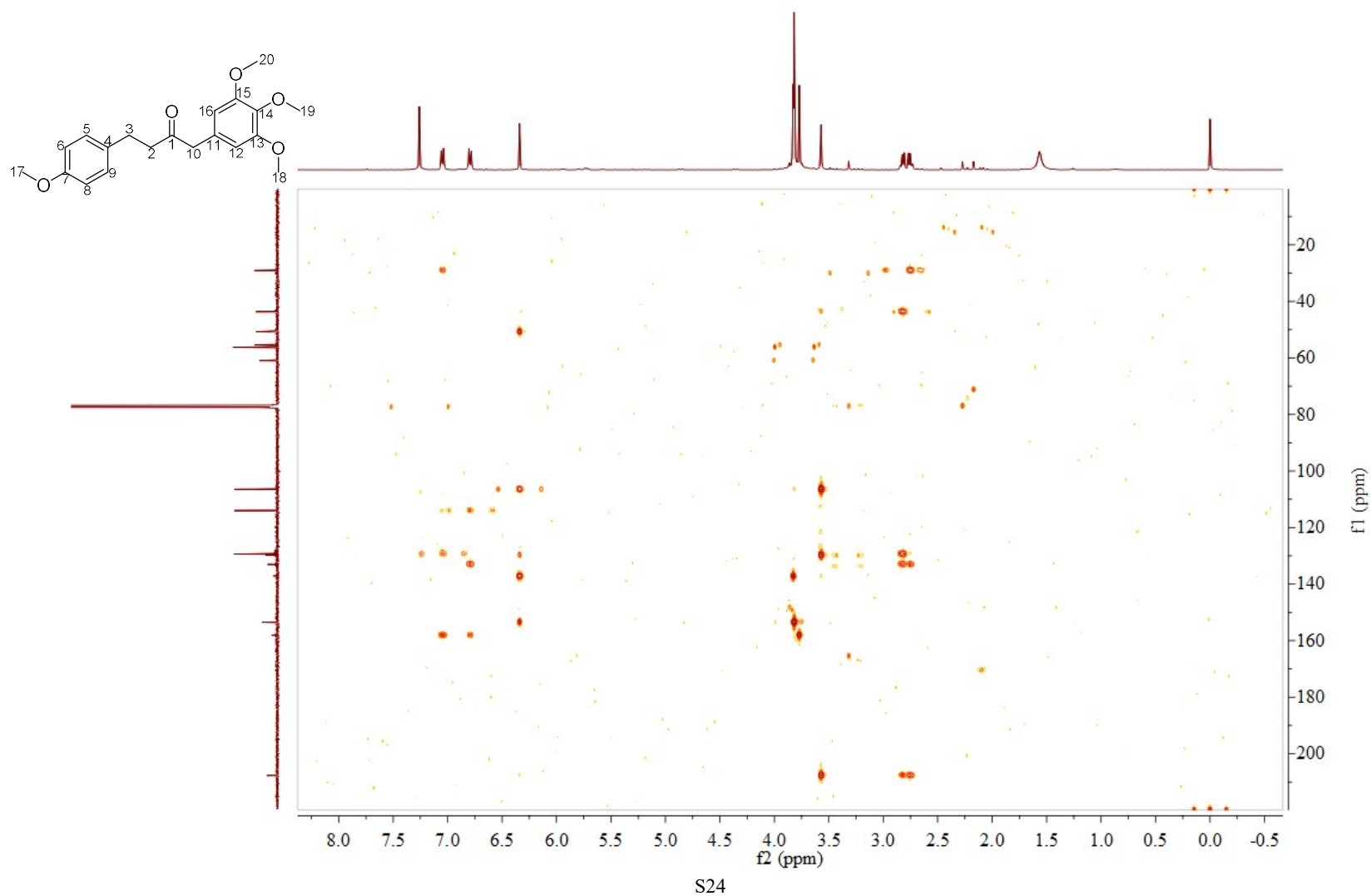
Figure S19. HMBC spectrum of **dichocetide C (2)** in CDCl₃

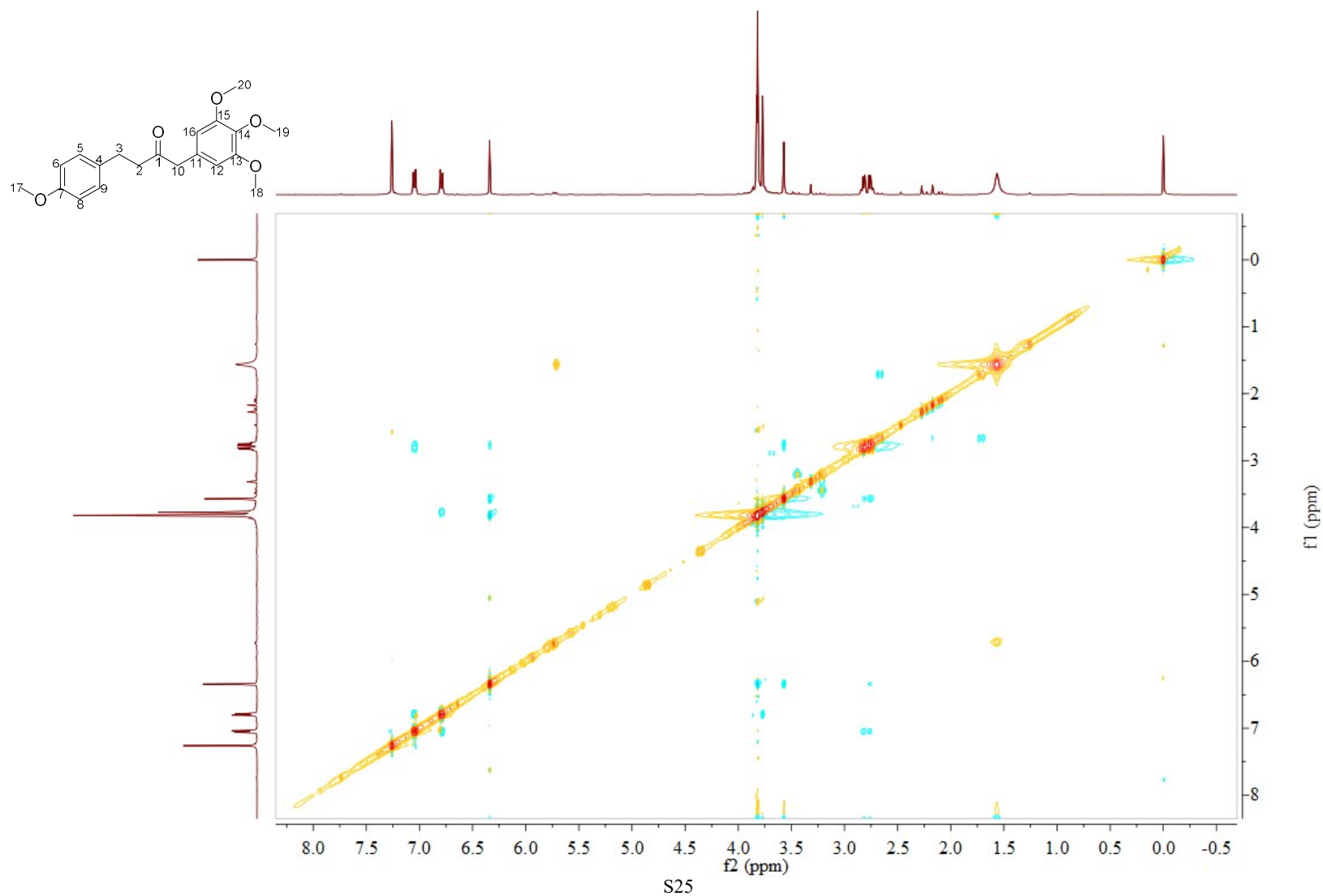
Figure S20. NOESY spectrum of dichocetide C (**2**) in CDCl₃

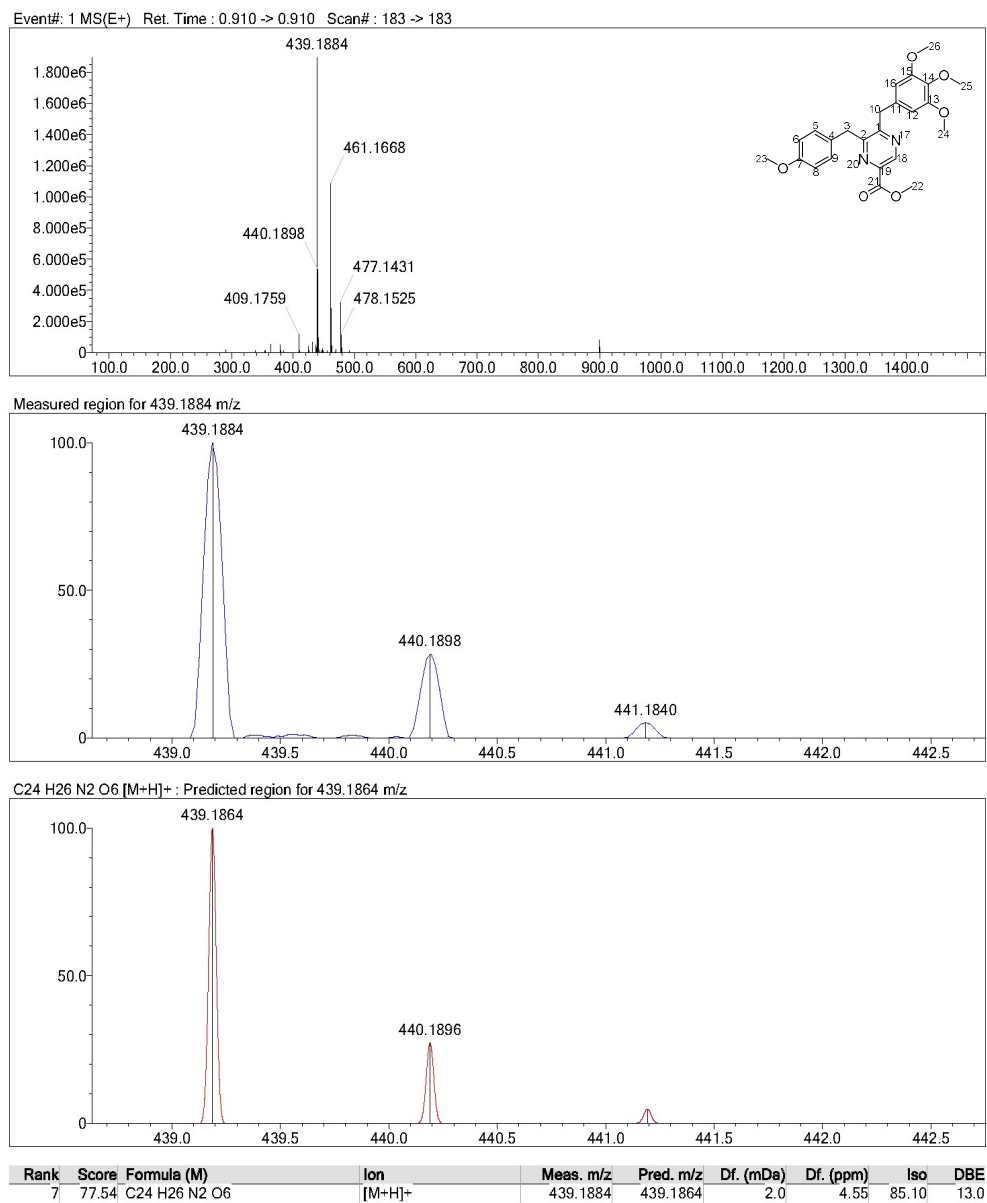
Figure S21. HR-ESI-MS spectrum of **dichotomocej E (3)**

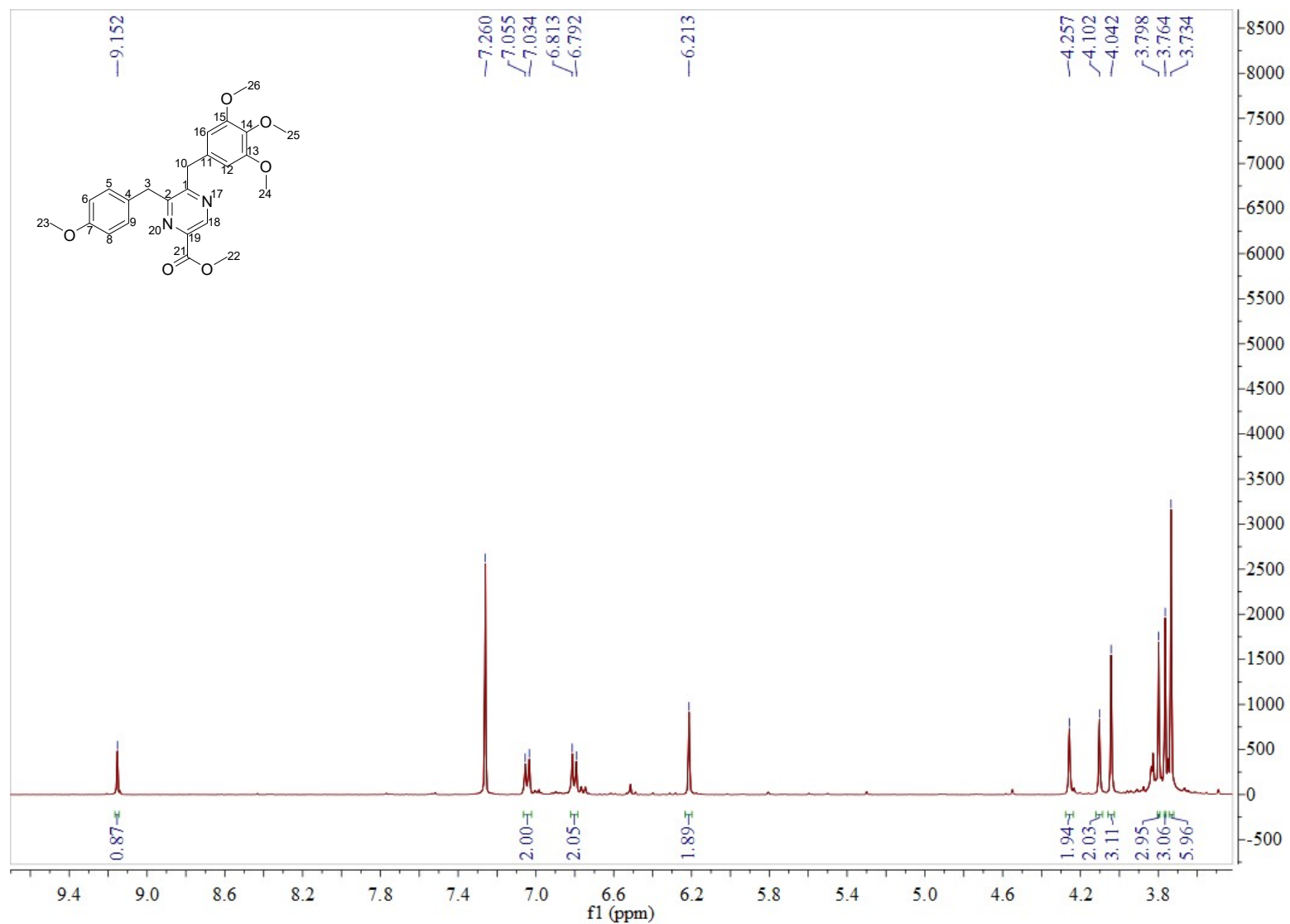
Figure S22. ^1H NMR spectrum of dichotomocej E (**3**) in CDCl_3 (400MHz)

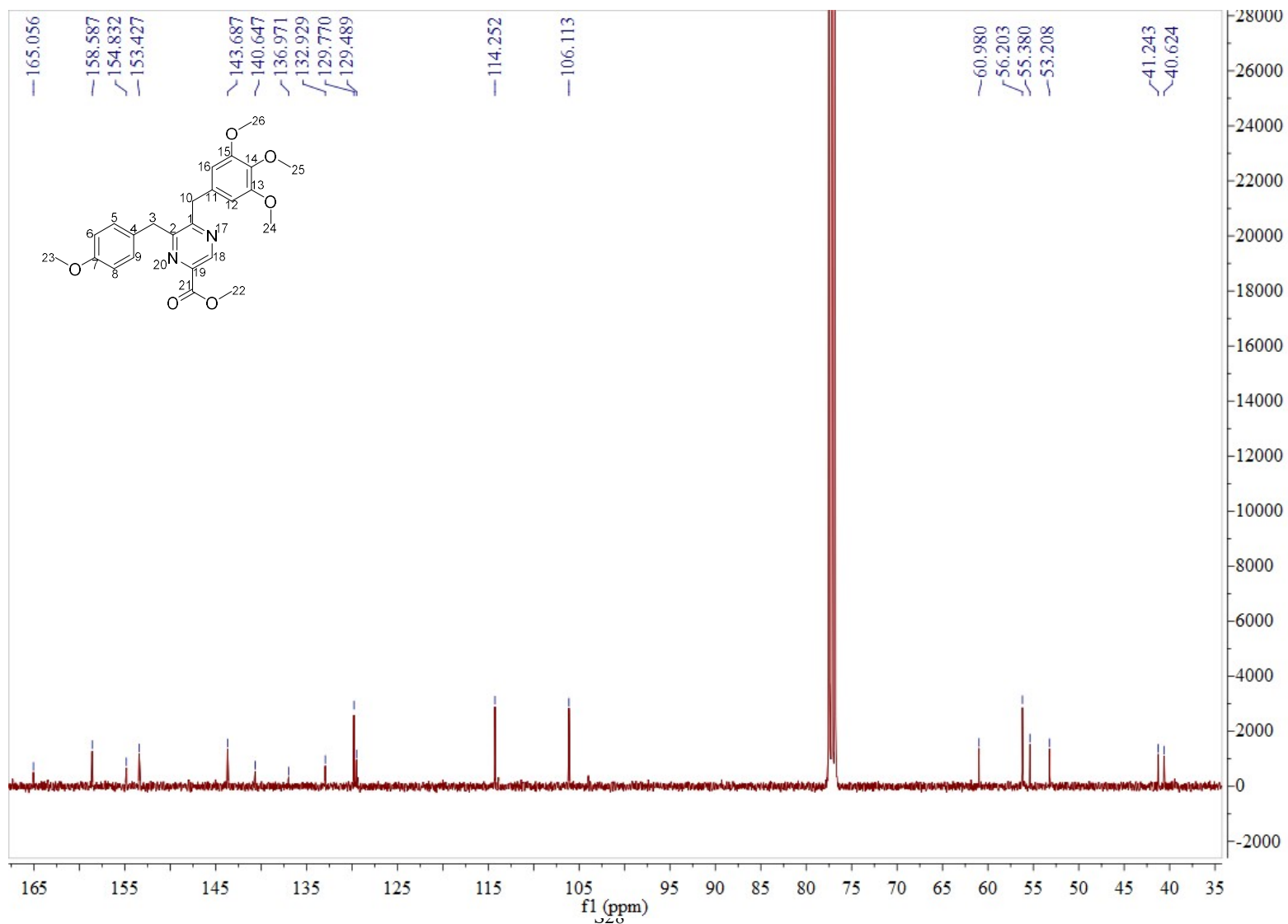
Figure S23. ^{13}C NMR spectrum of **dichotomocej E (3)** in CDCl_3 (100MHz)

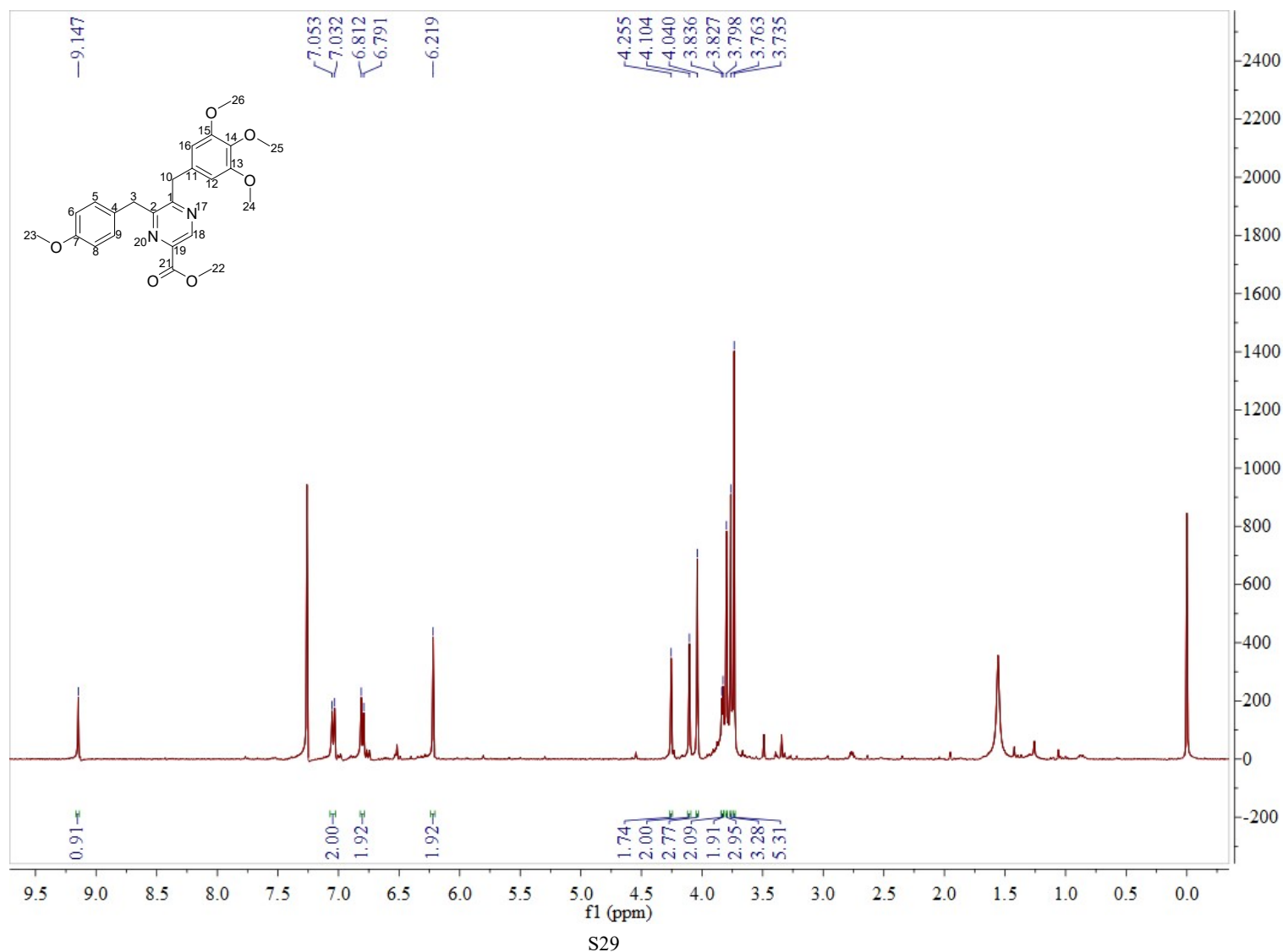
Figure S24. ^1H NMR spectrum of dichotomej E (3) in CDCl_3 (400MHz)

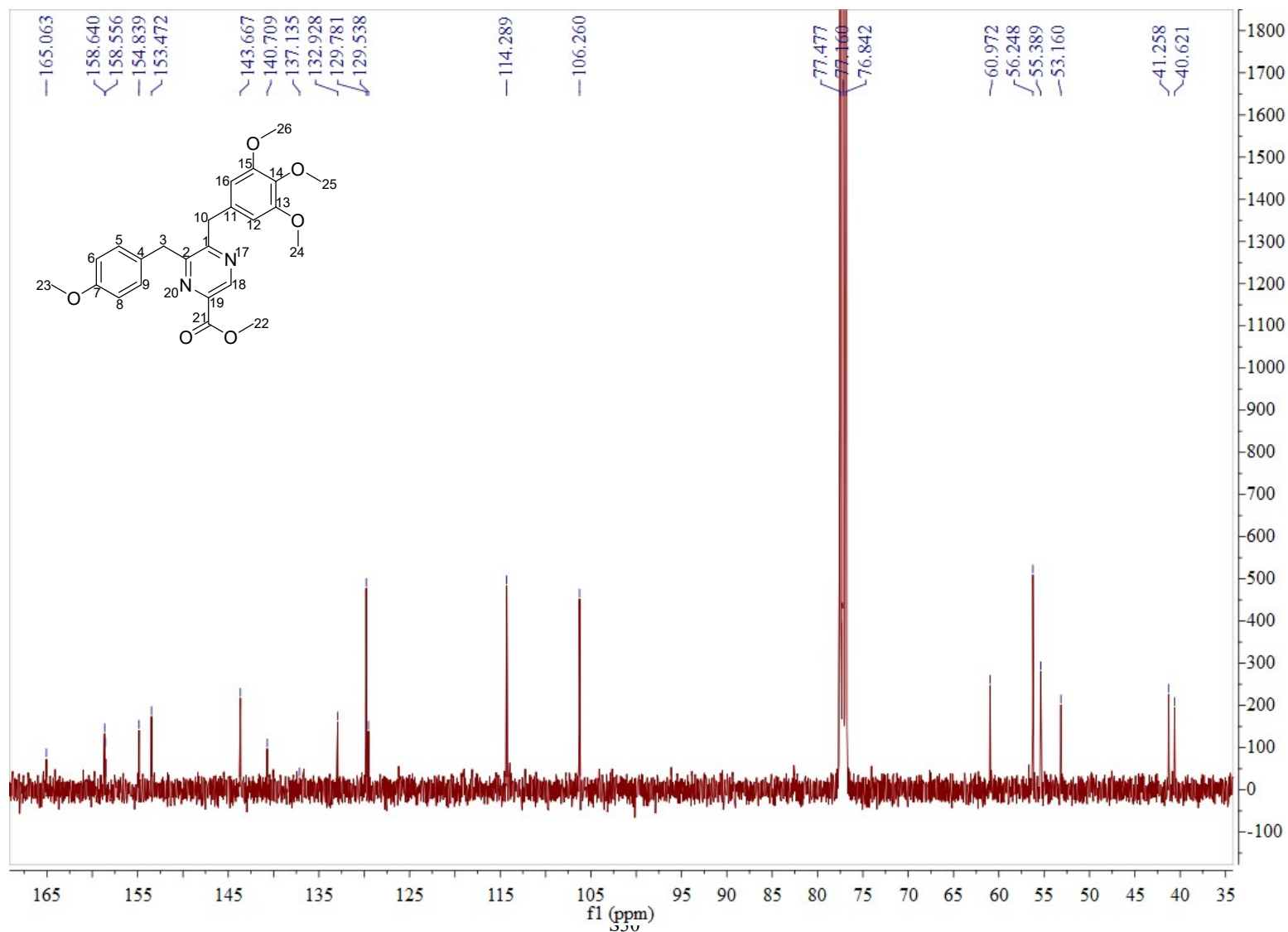
Figure S25. ^{13}C NMR spectrum of dichotomocej E (**3**) in CDCl_3 (100MHz)

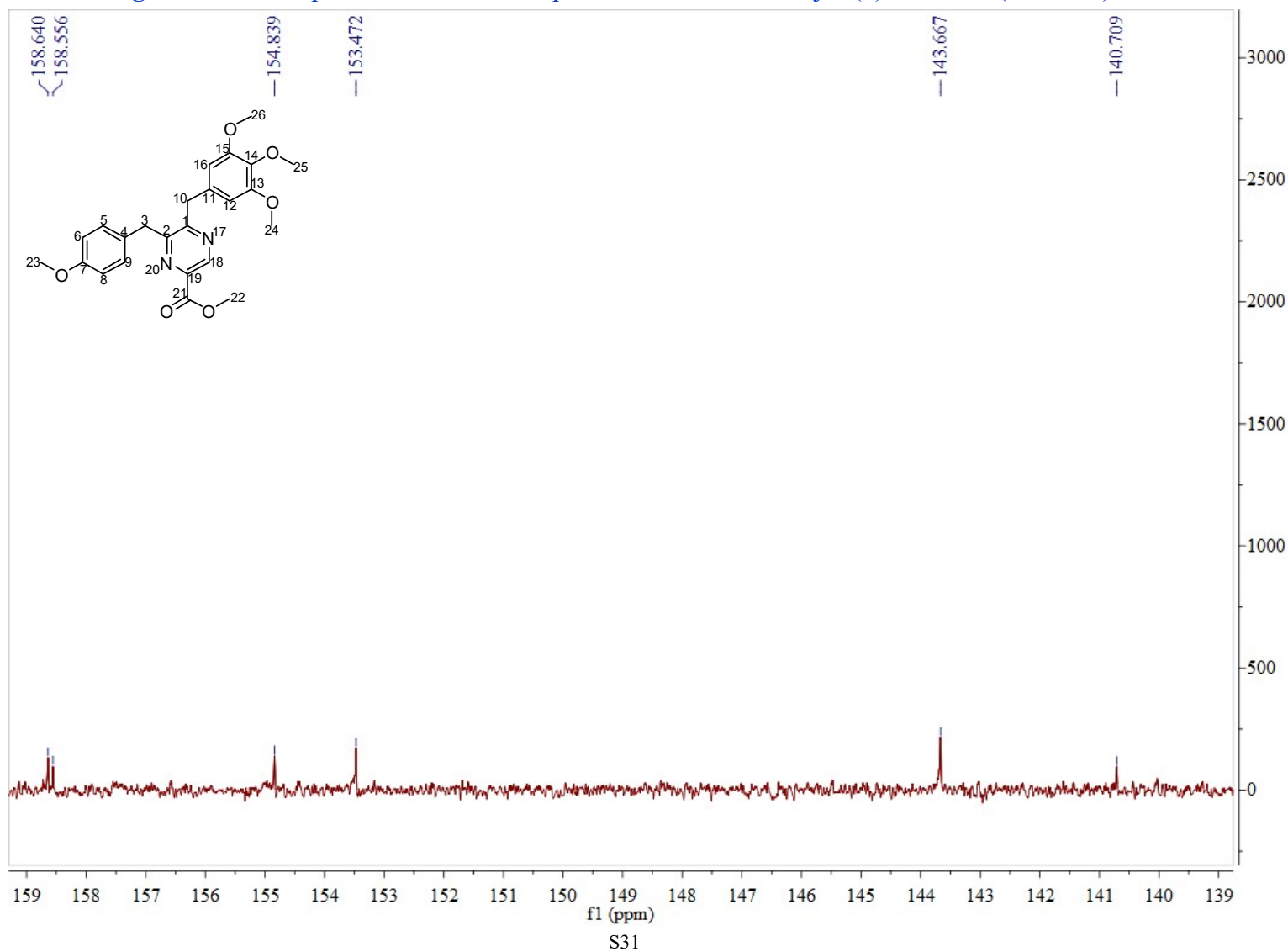
Figure S26. An expansion of ^{13}C NMR spectrum of dichotomocej E (**3**) in CDCl_3 (100MHz)

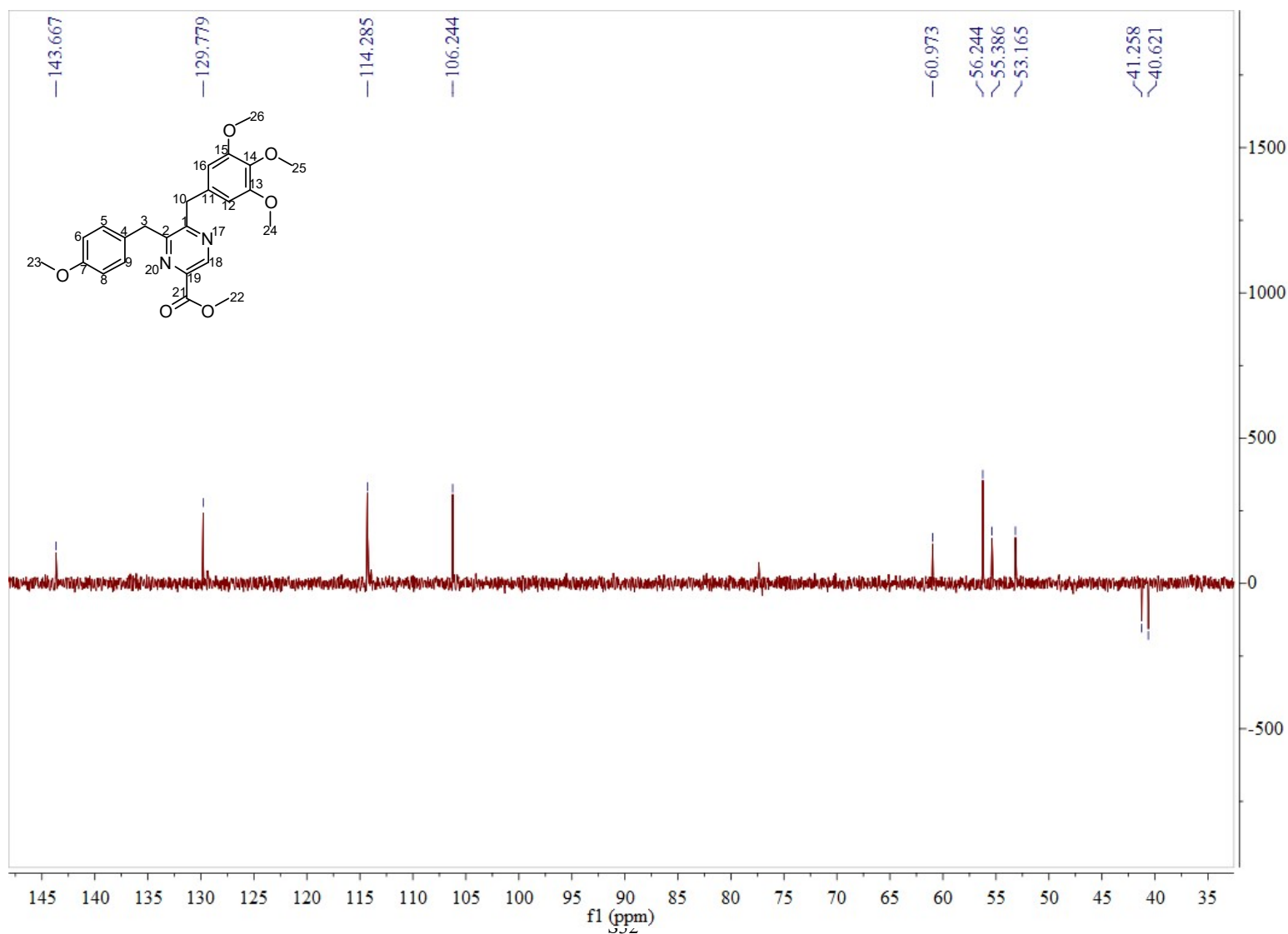
Figure S27. DEPT 135 spectrum of **dichotomocej E (3)** in CDCl_3 (100MHz)

Figure S28. HSQC spectrum of **dichotomocej E (3)** in CDCl₃

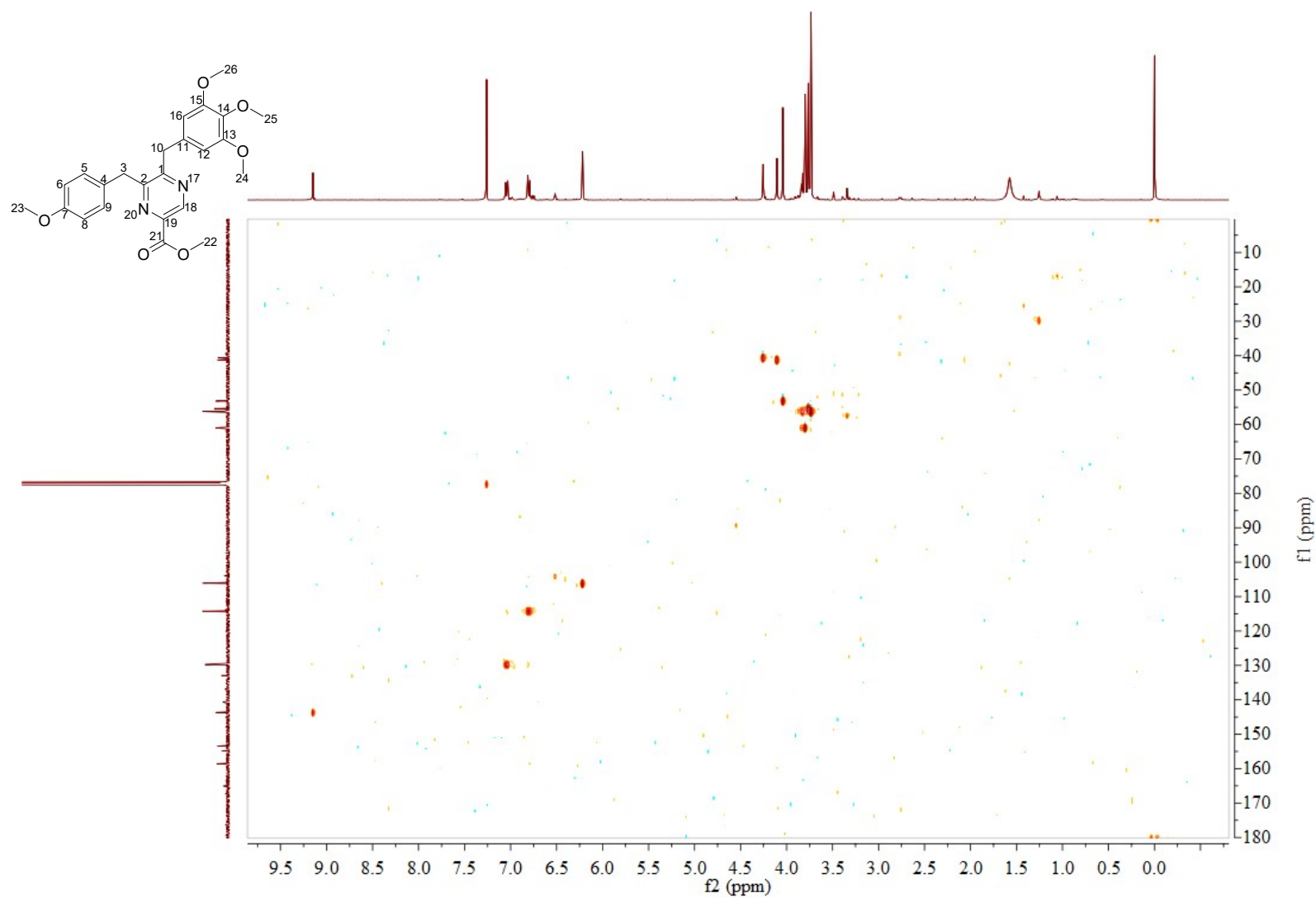


Figure S29. ^1H - ^1H COSY spectrum of **dichotomocej E (3)** in CDCl_3

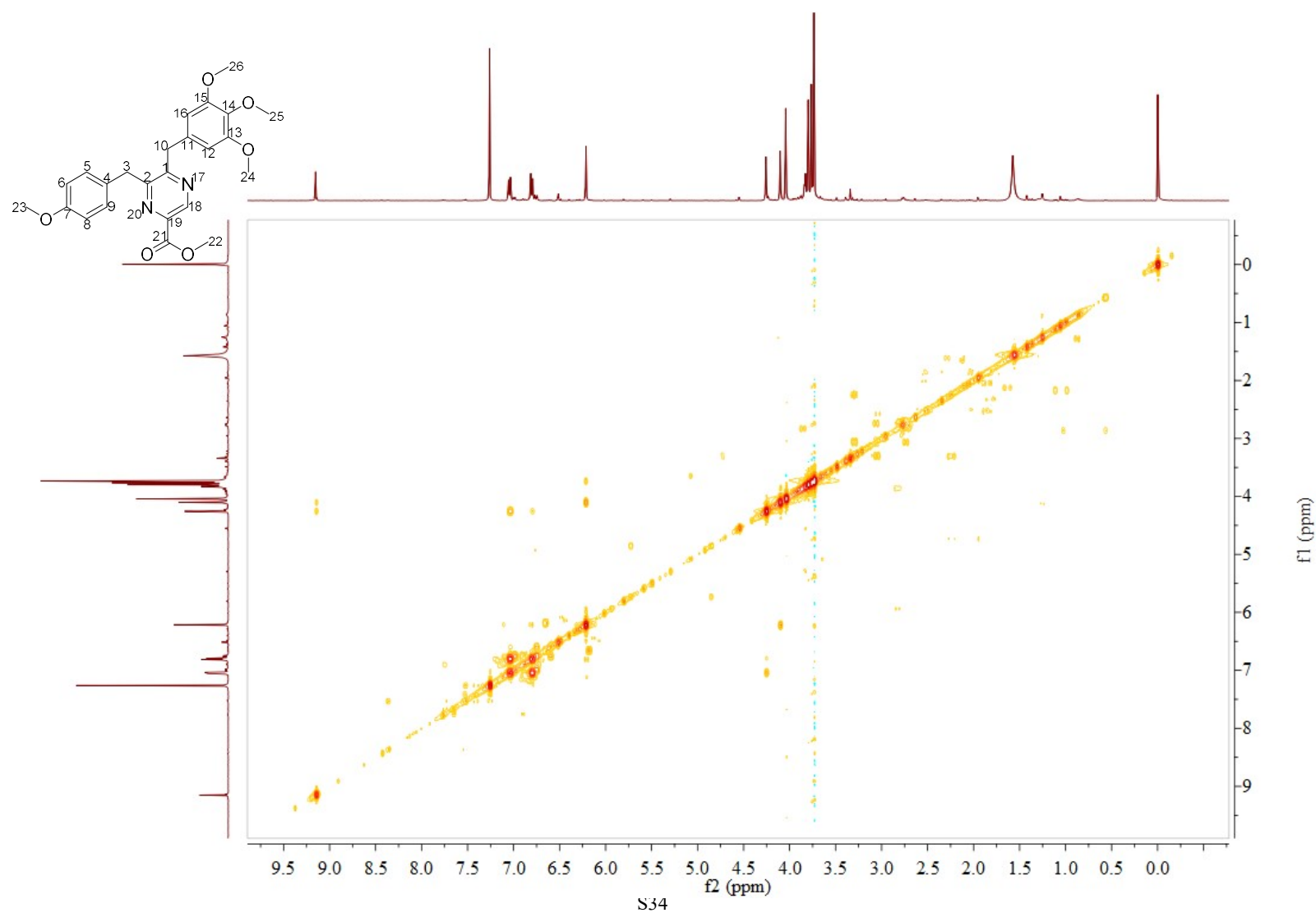


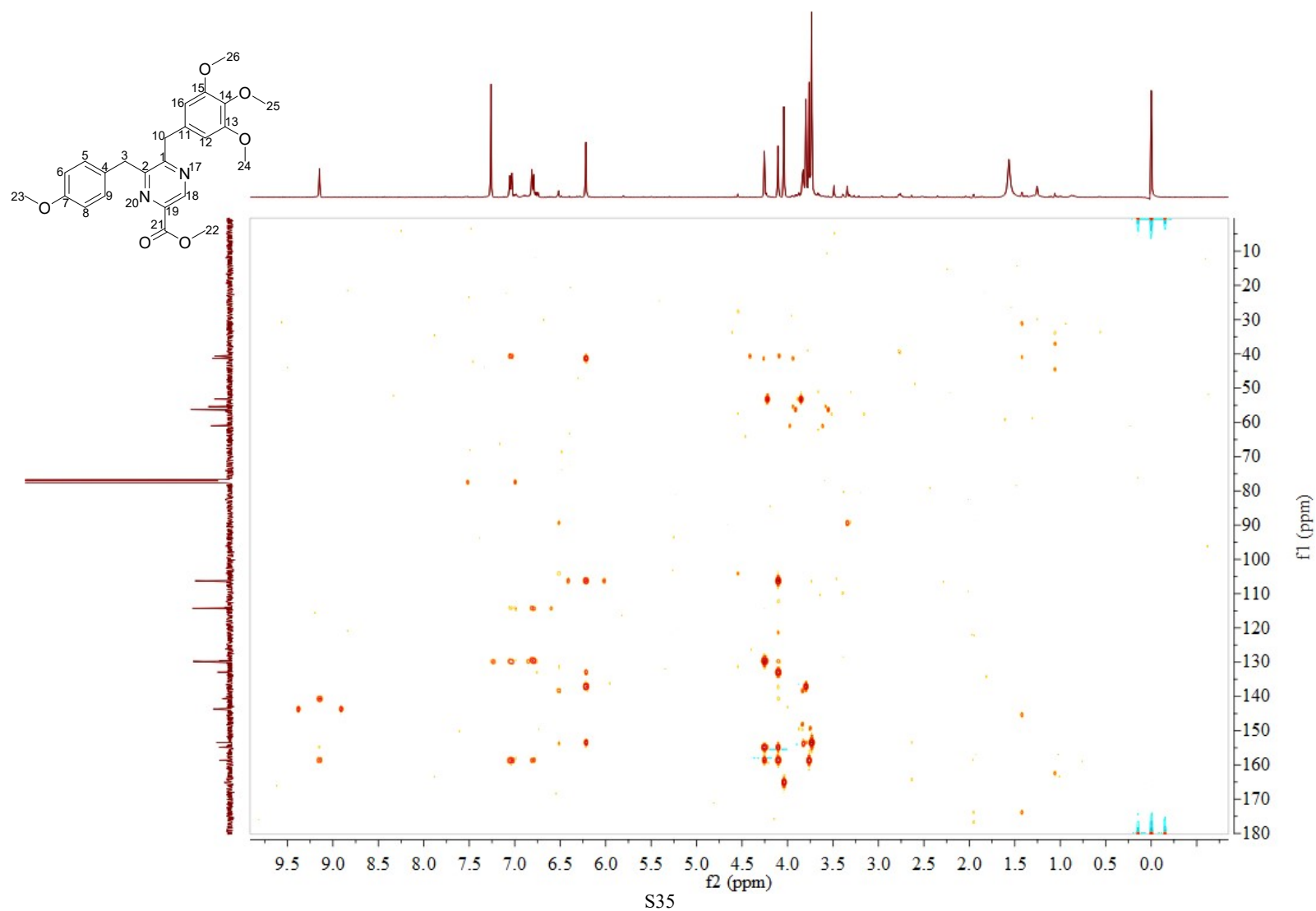
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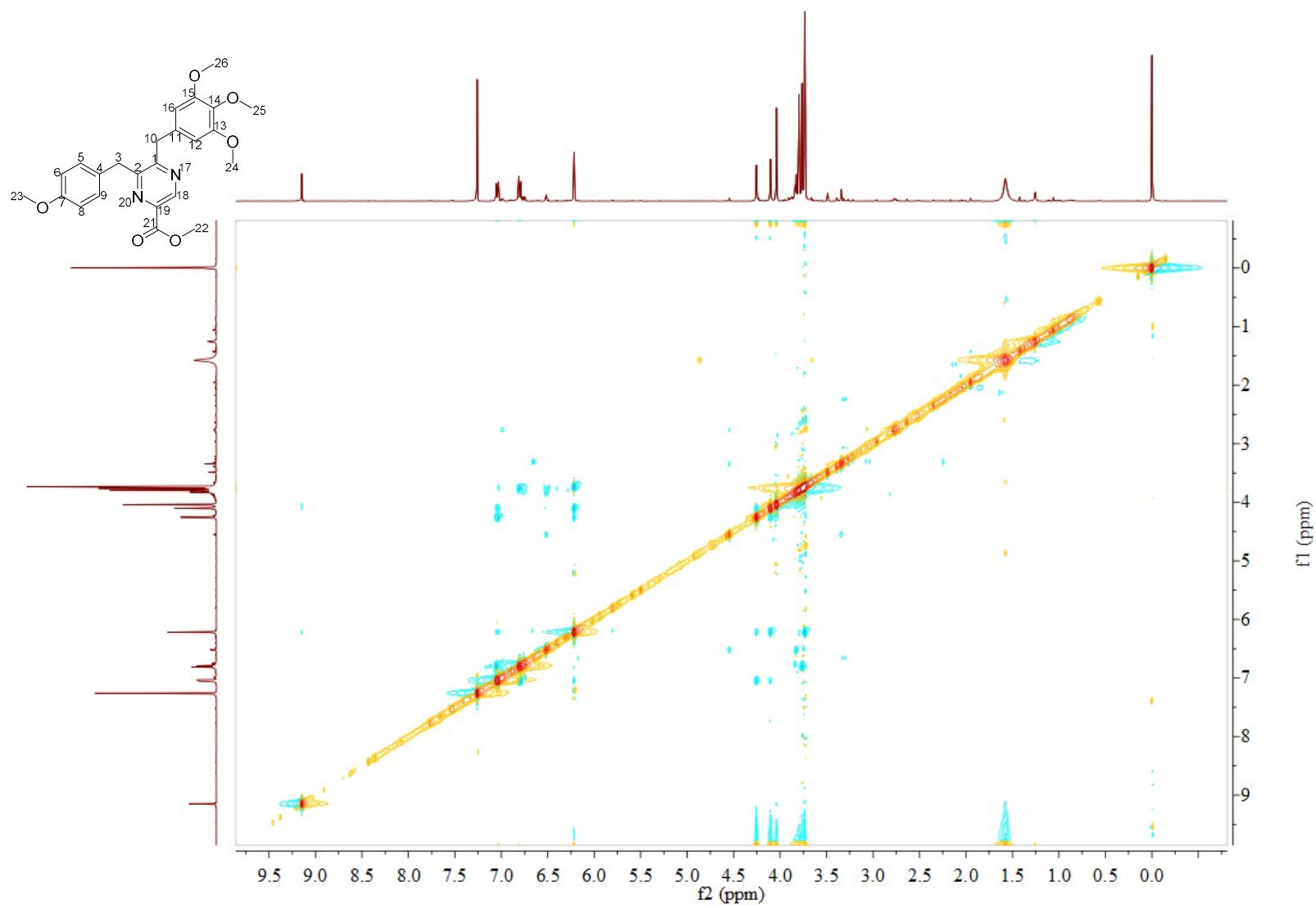
Figure S31. NOESY spectrum of **dichotomocej E (3)** in CDCl₃

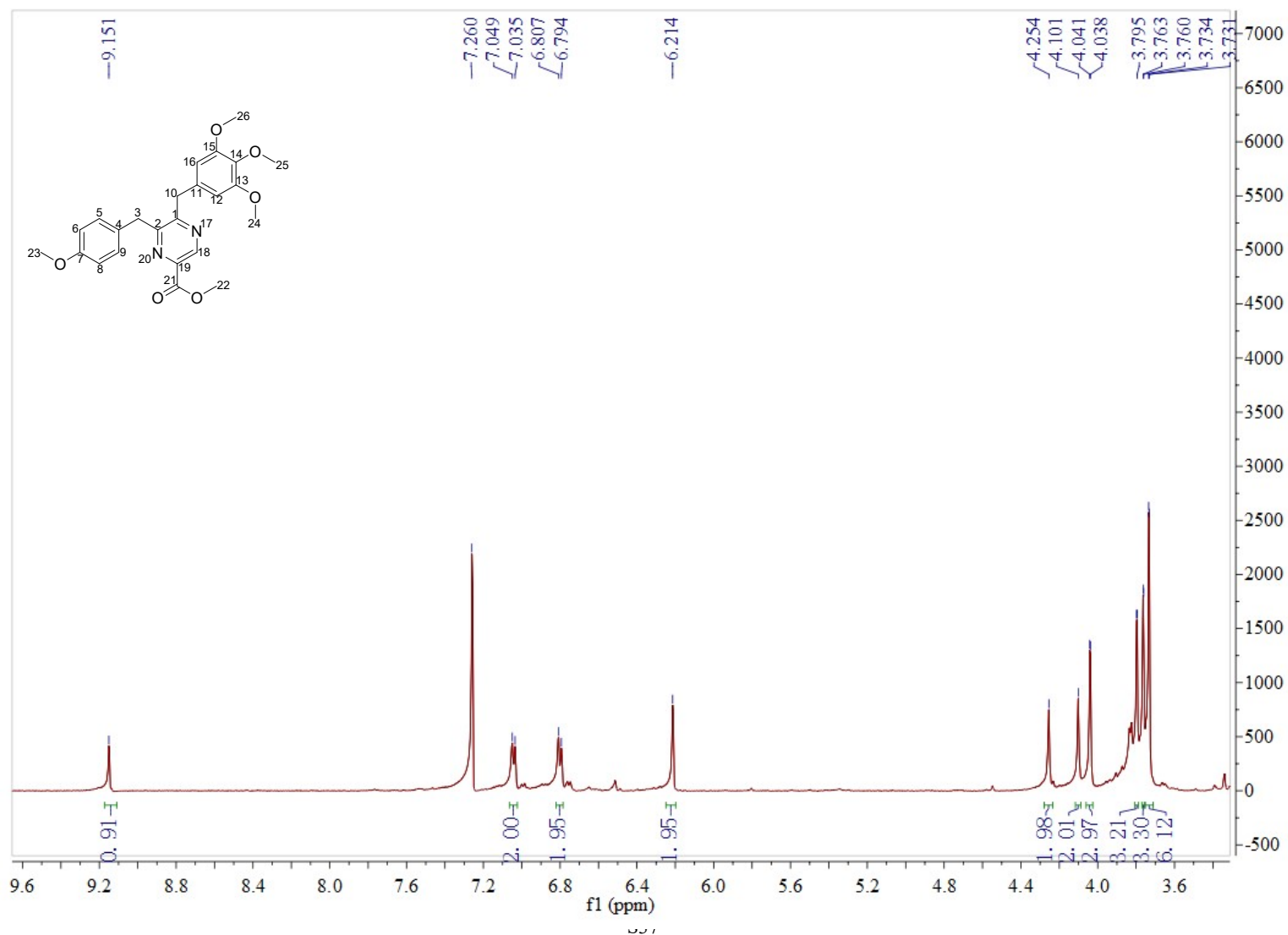
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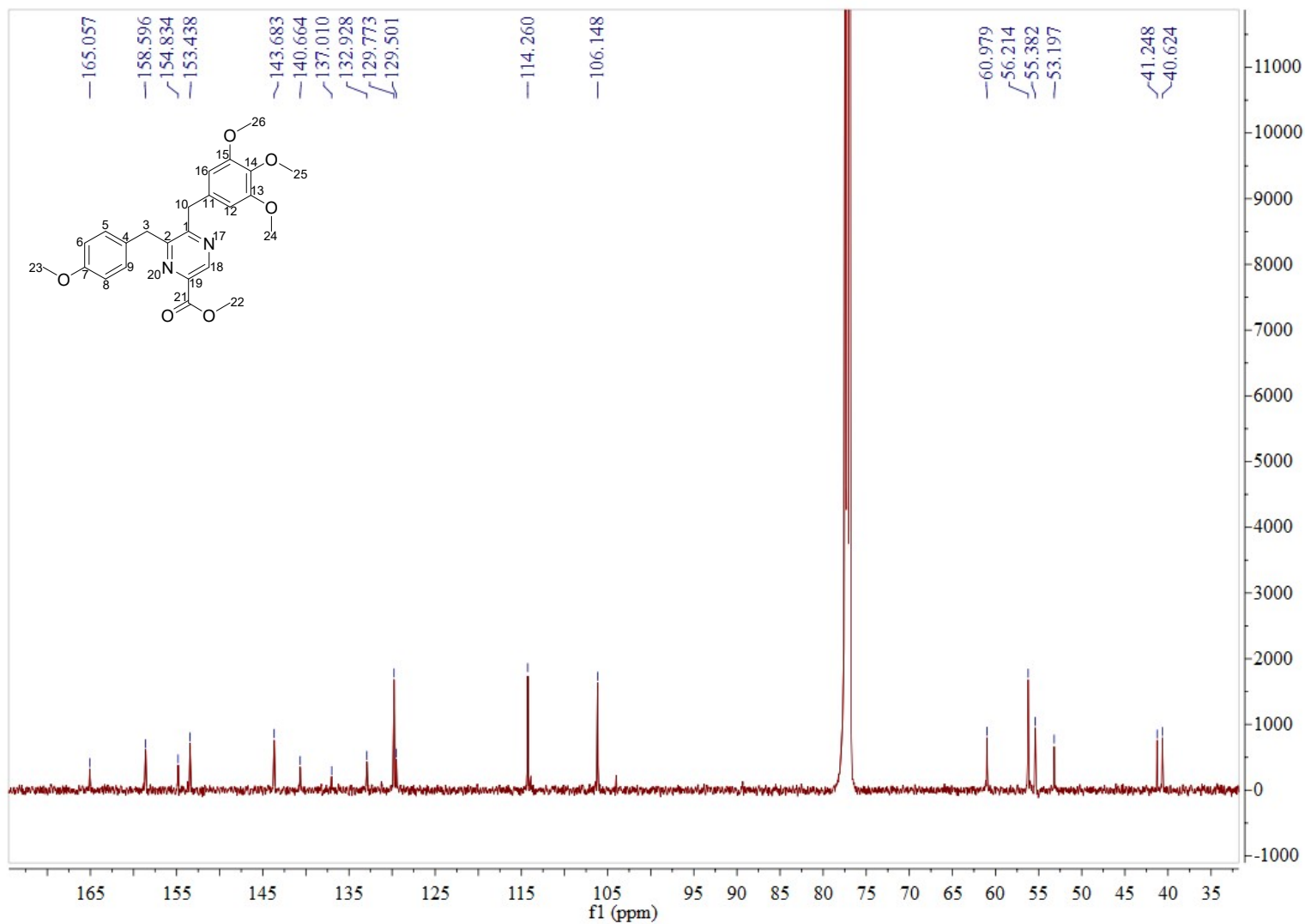
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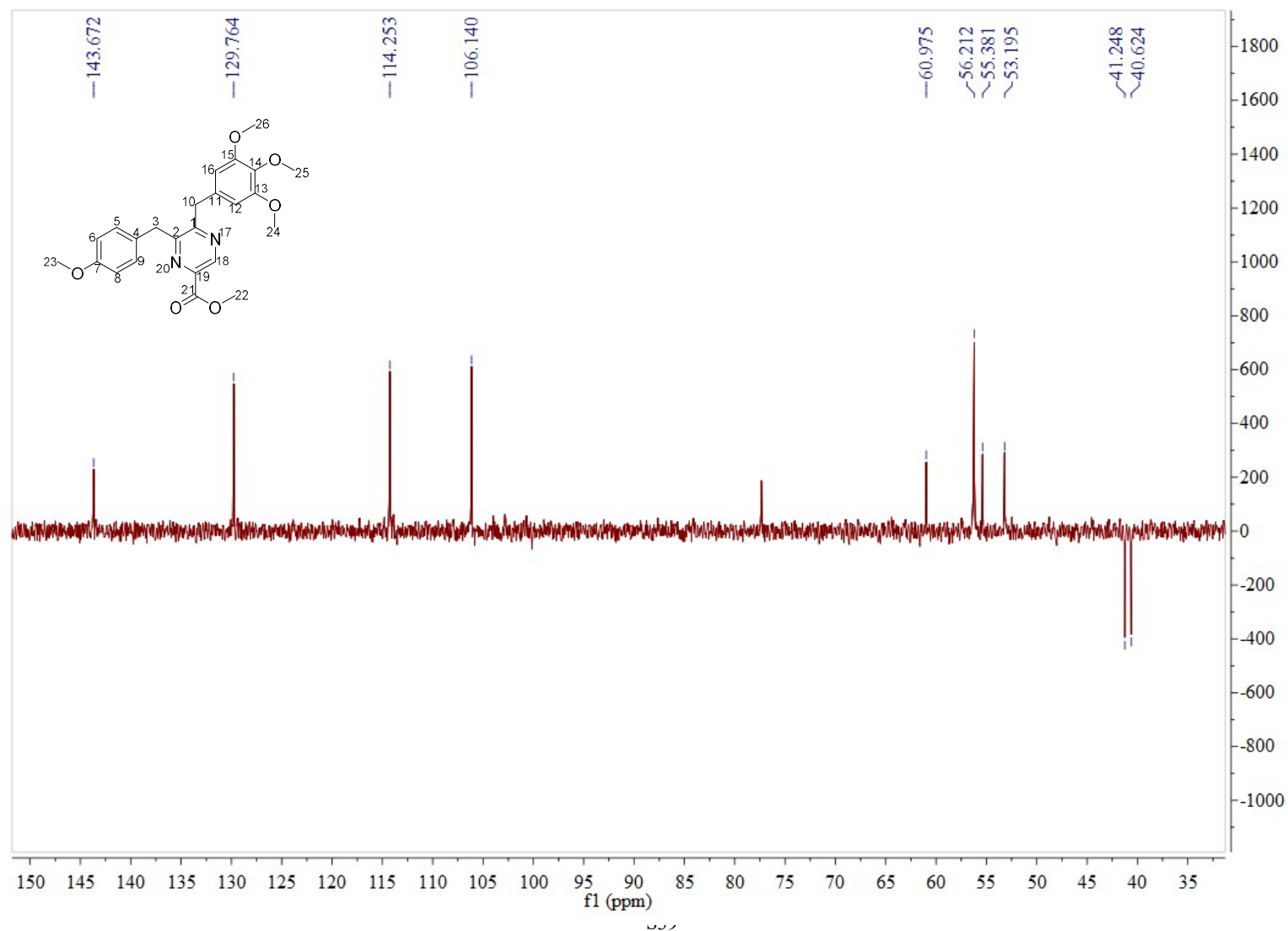
Figure S34. DEPT 135 spectrum of dichotomocej E (**3**) in CDCl₃ (125MHz)

Figure S35. HMQC spectrum of dichotomocej E (**3**) in CDCl₃

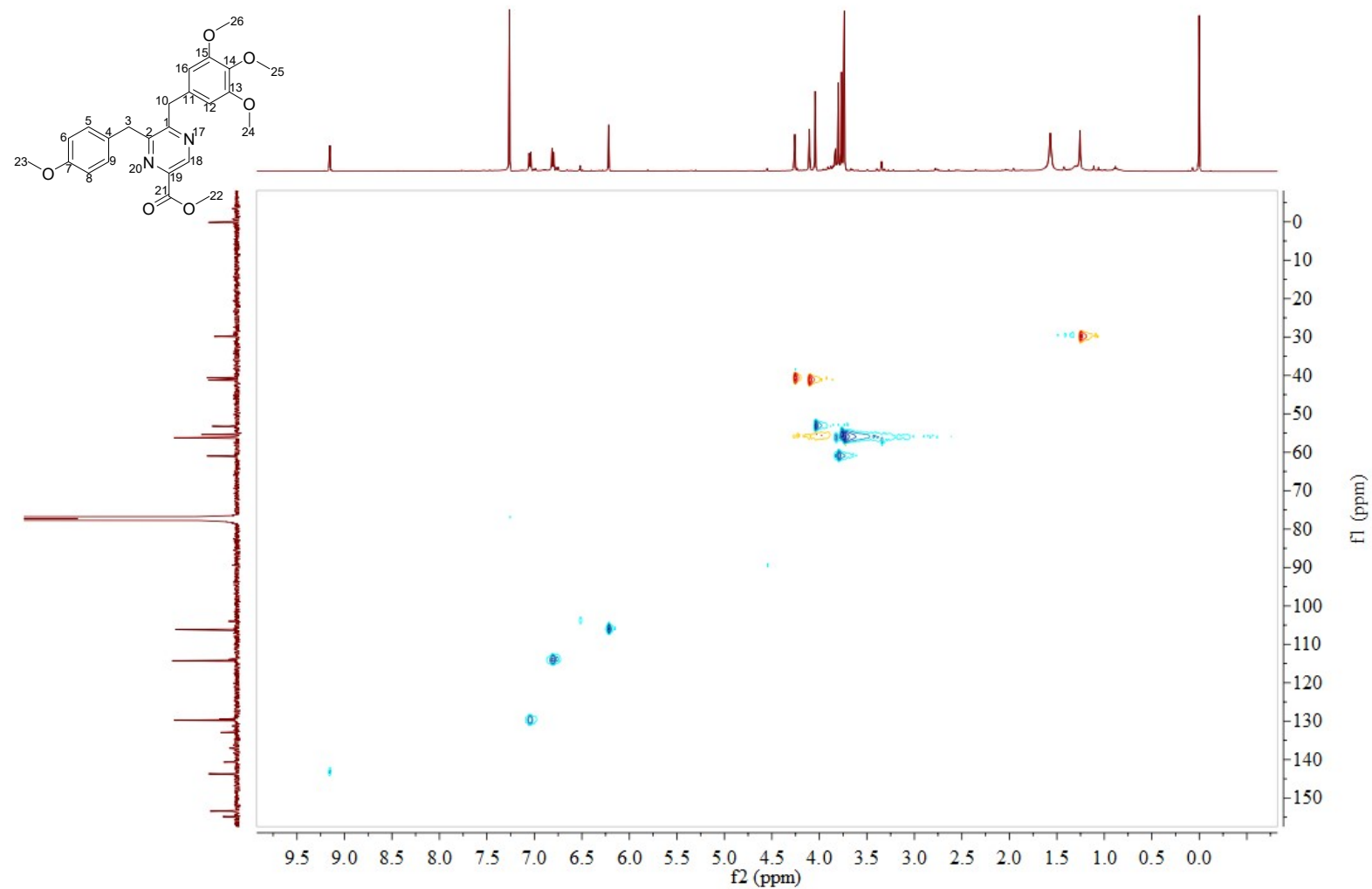


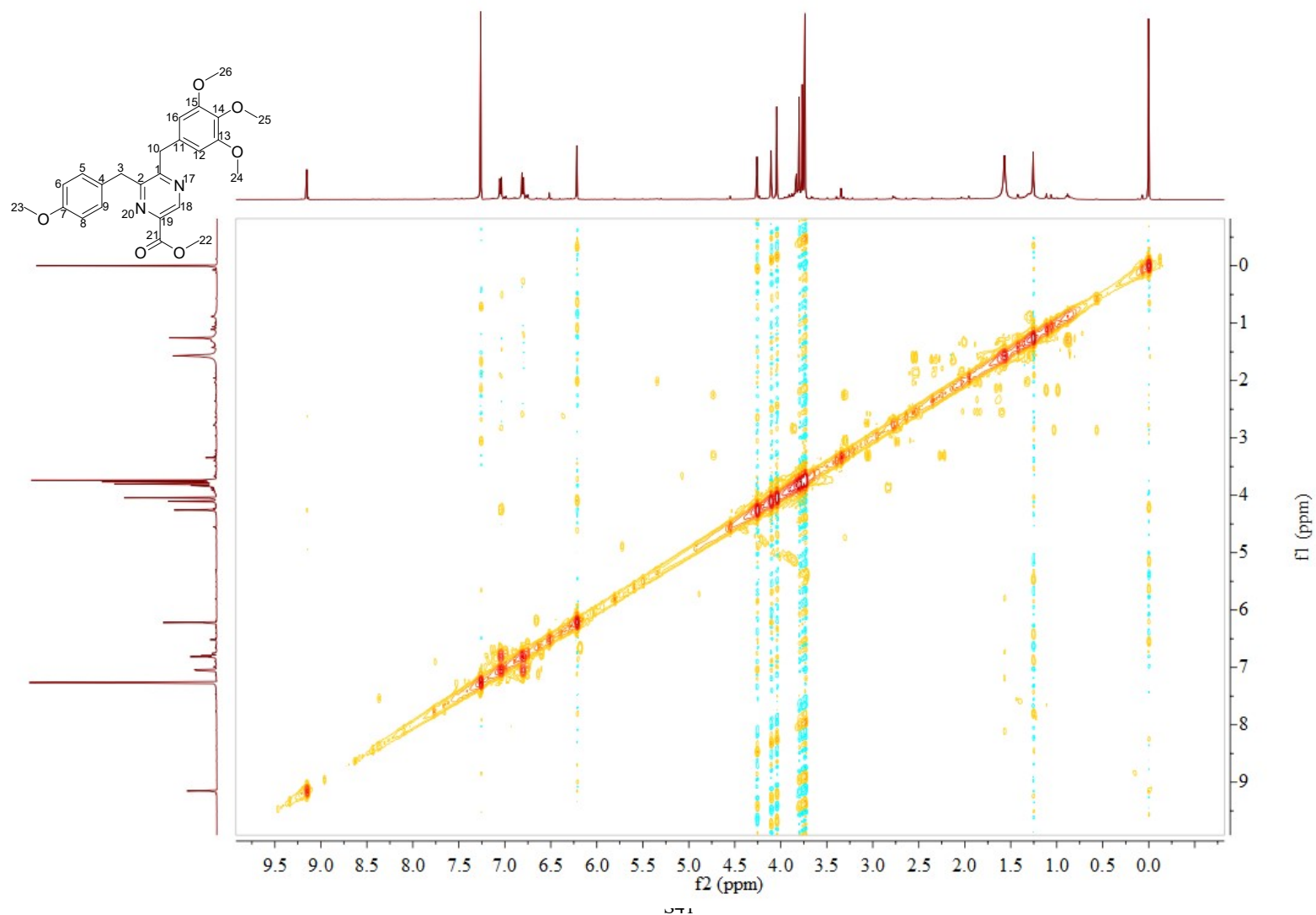
Figure S36. ^1H - ^1H COSY spectrum of dichotomocej E (**3**) in CDCl_3 

Figure S37. HMBC spectrum of dichotomocej E (**3**) in CDCl₃

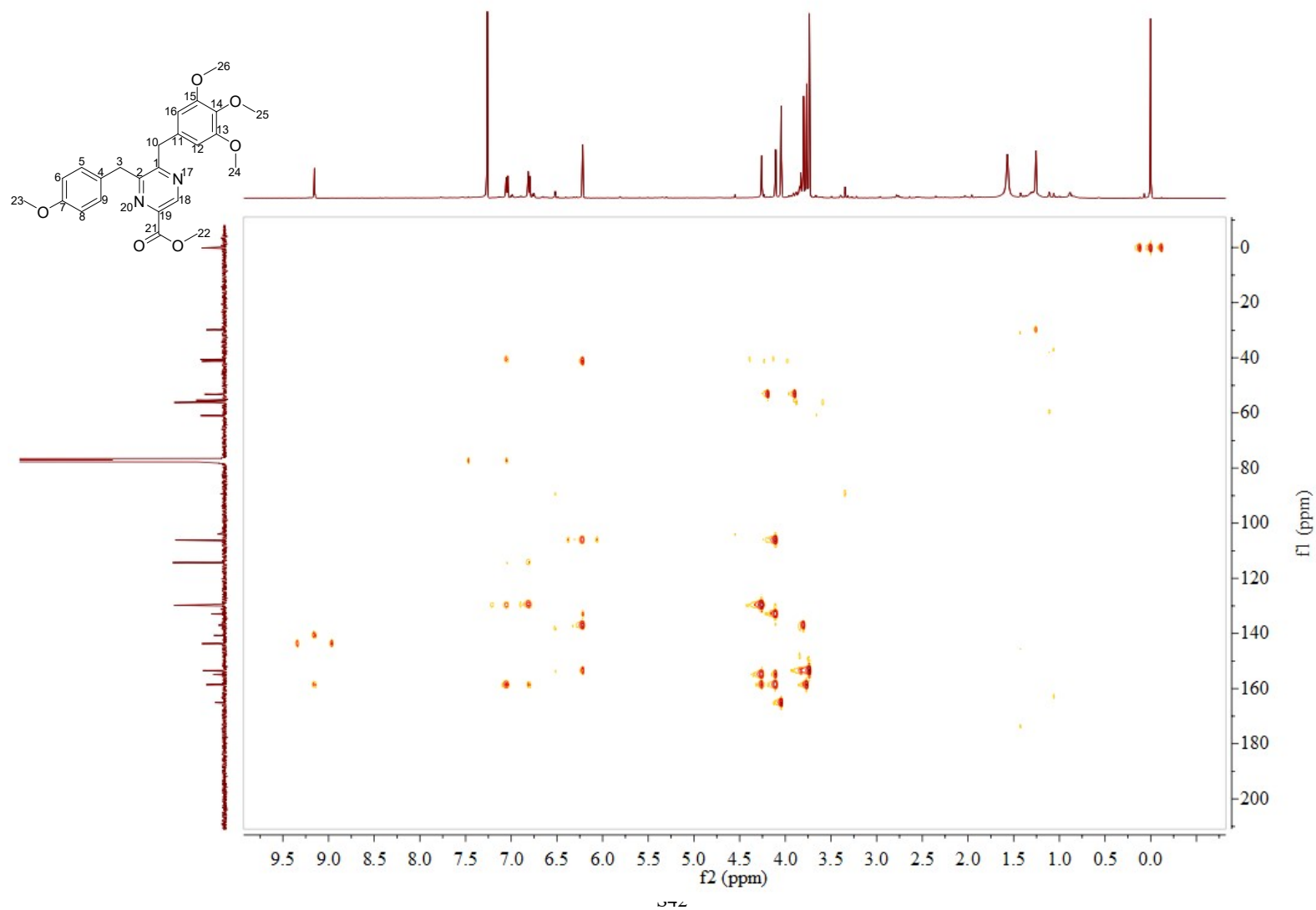


Figure S38. NOESY spectrum of dichotomocej E (**3**) in CDCl₃

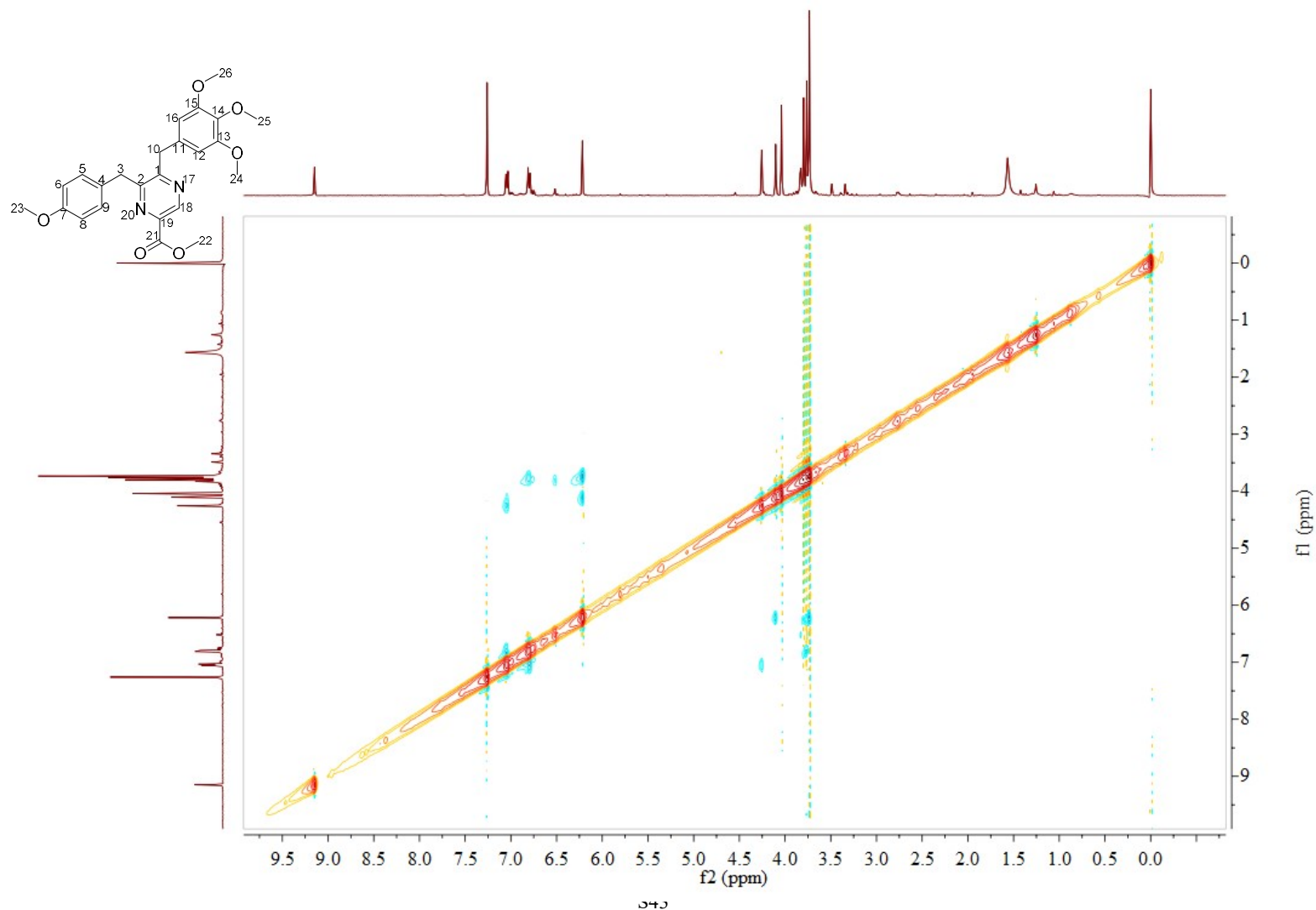


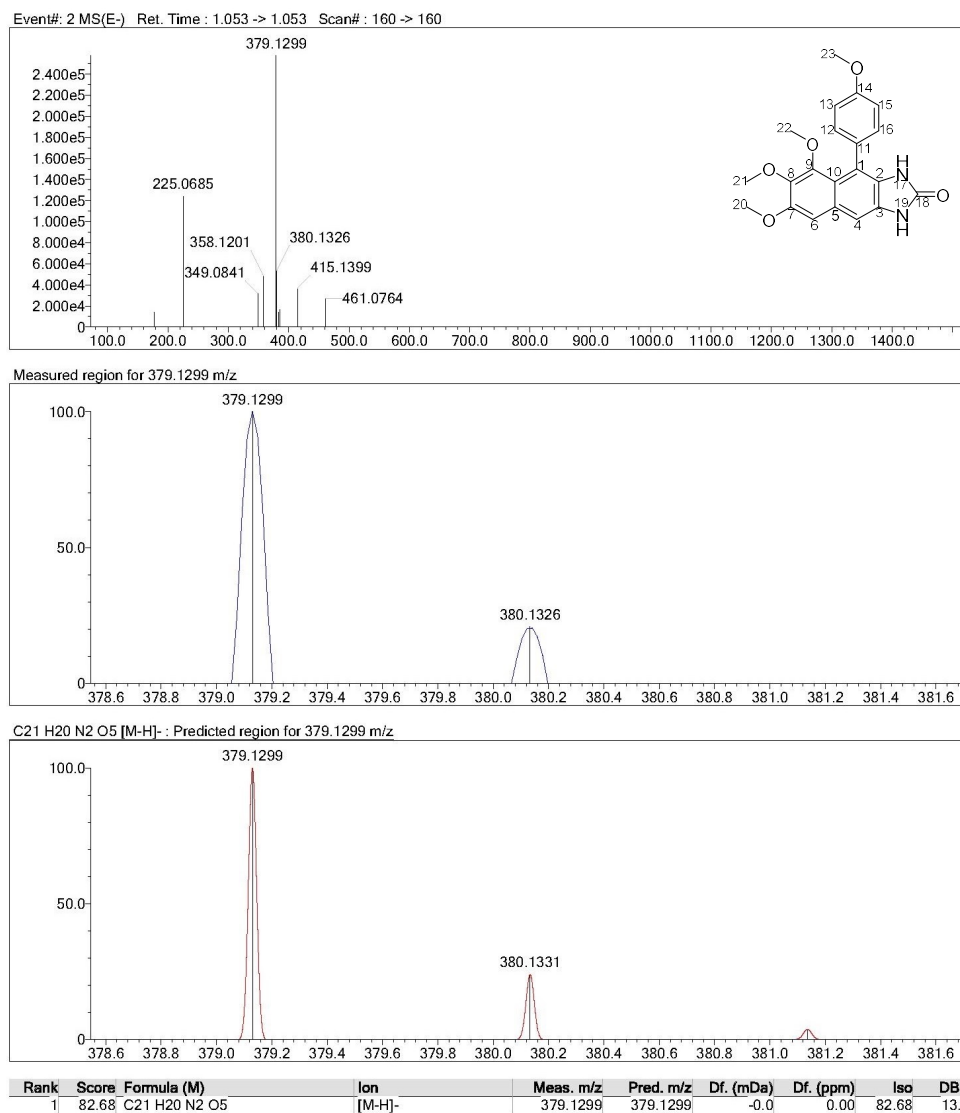
Figure S39. HR-ESI-MS spectrum of **dichotomocej F (4)**

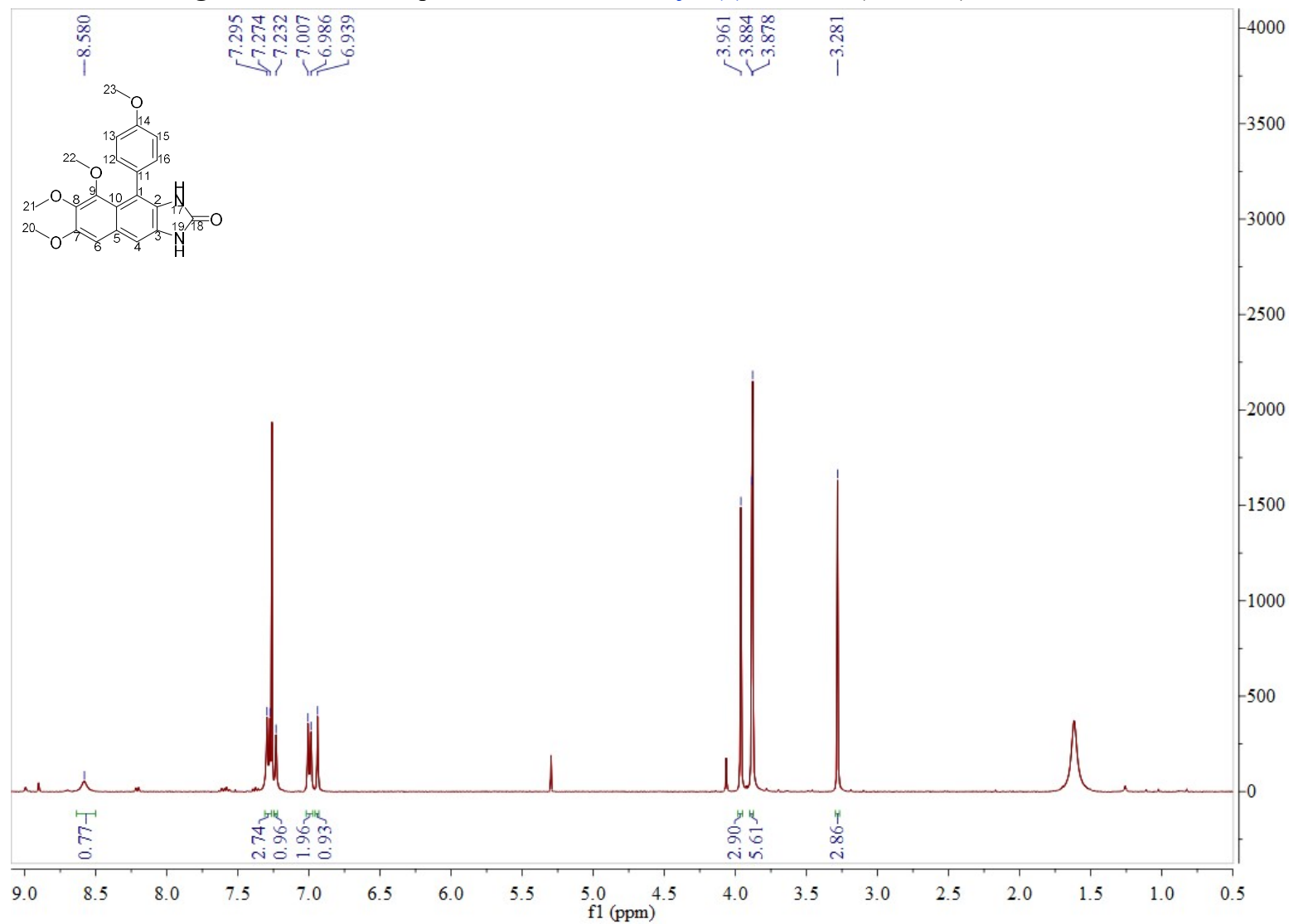
Figure S40. ^1H NMR spectrum of dichotomocej F (4) in CDCl_3 (400MHz)

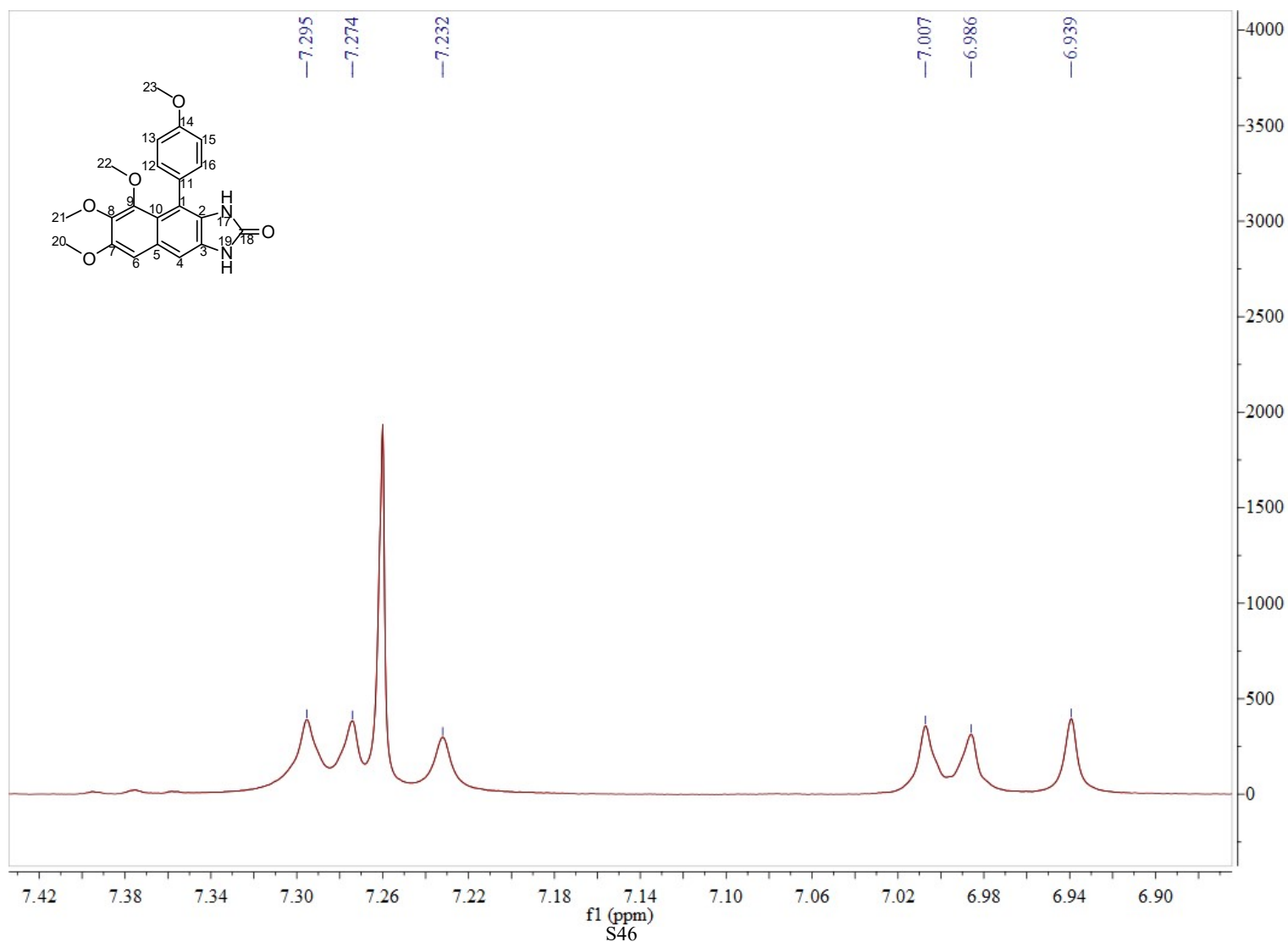
Figure S41. An expansion of ^1H NMR spectrum of dichotomej F (4) in CDCl_3 (400MHz)

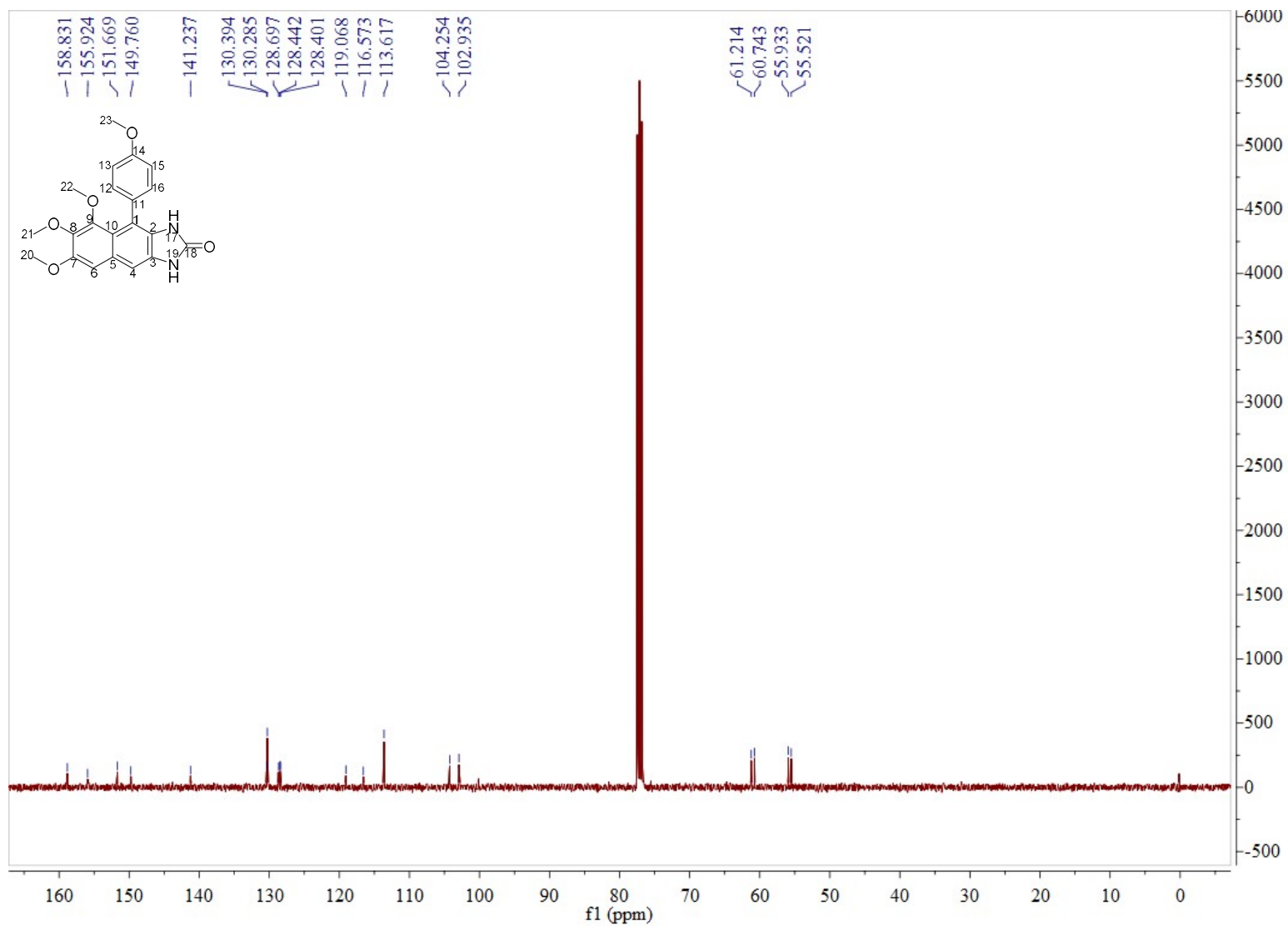
Figure S42. ^{13}C NMR spectrum of dichotomocej F (4) in CDCl_3 (100MHz)

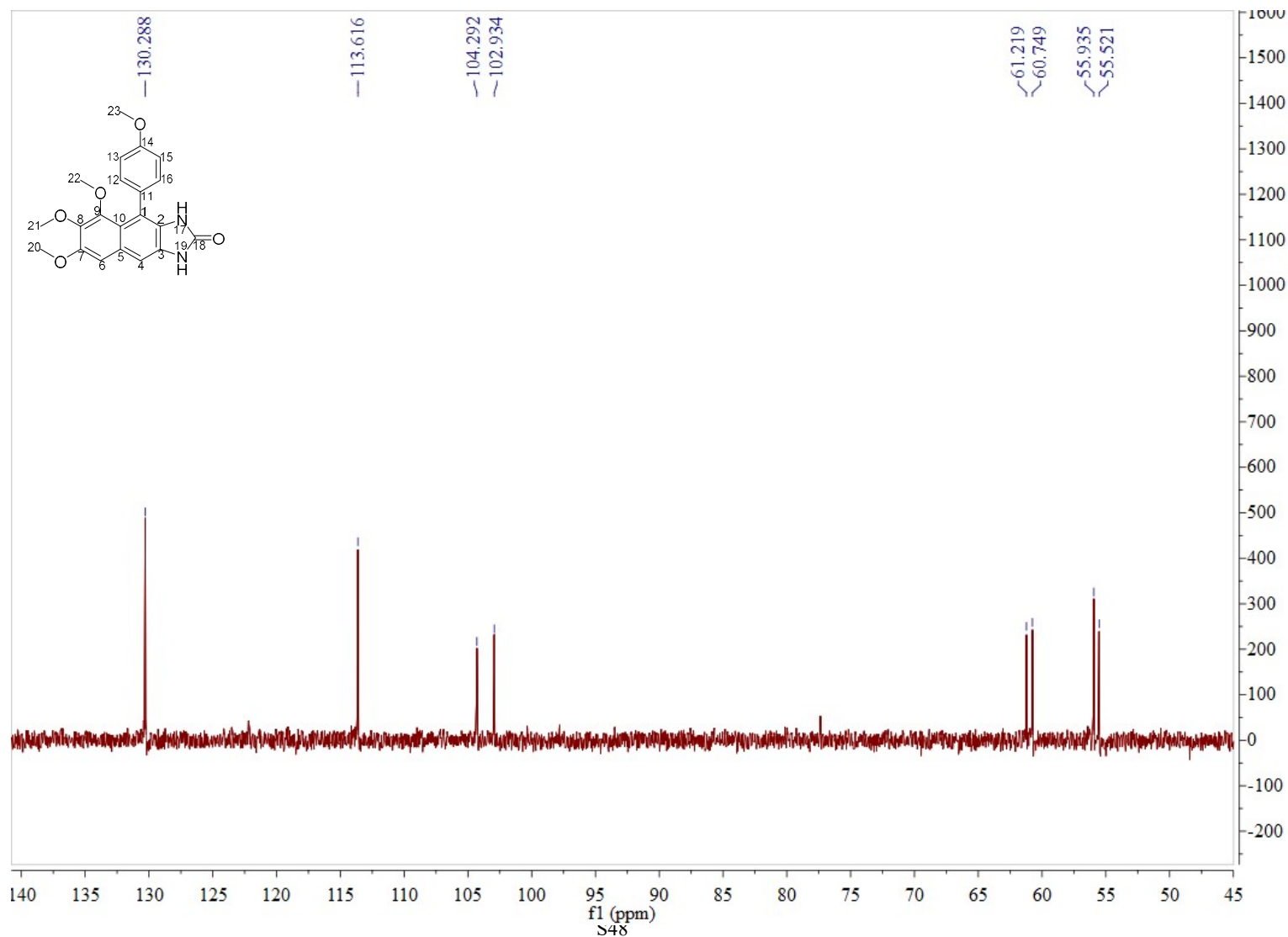
Figure S43. DEPT 135 spectrum of **dichotomocej F (4)** in CDCl₃ (100MHz)

Figure S44. HSQC spectrum of **dichotomocej F (4)** in CDCl₃

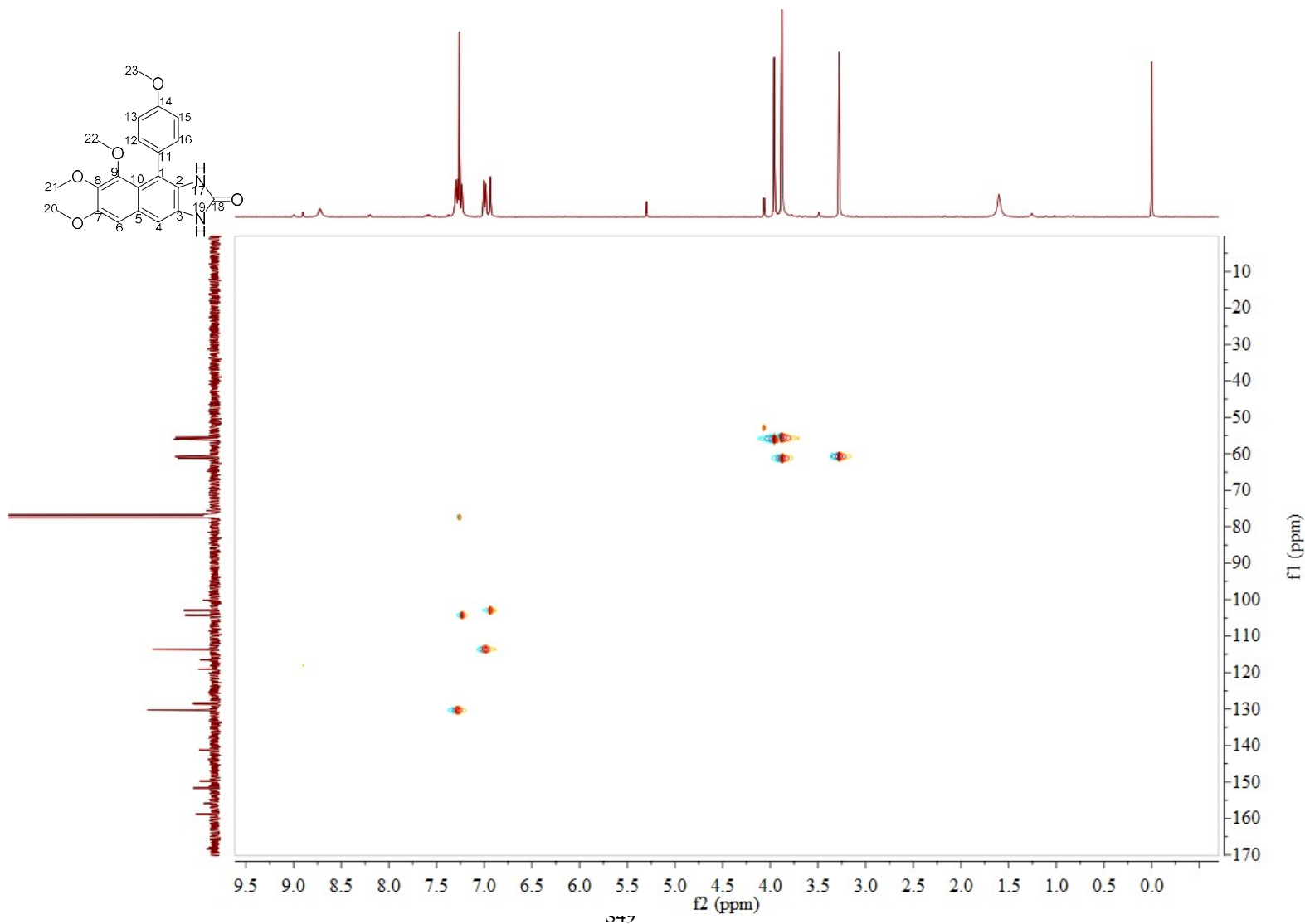


Figure S45. ^1H - ^1H COSY spectrum of **dichotomocej F (4)** in CDCl_3

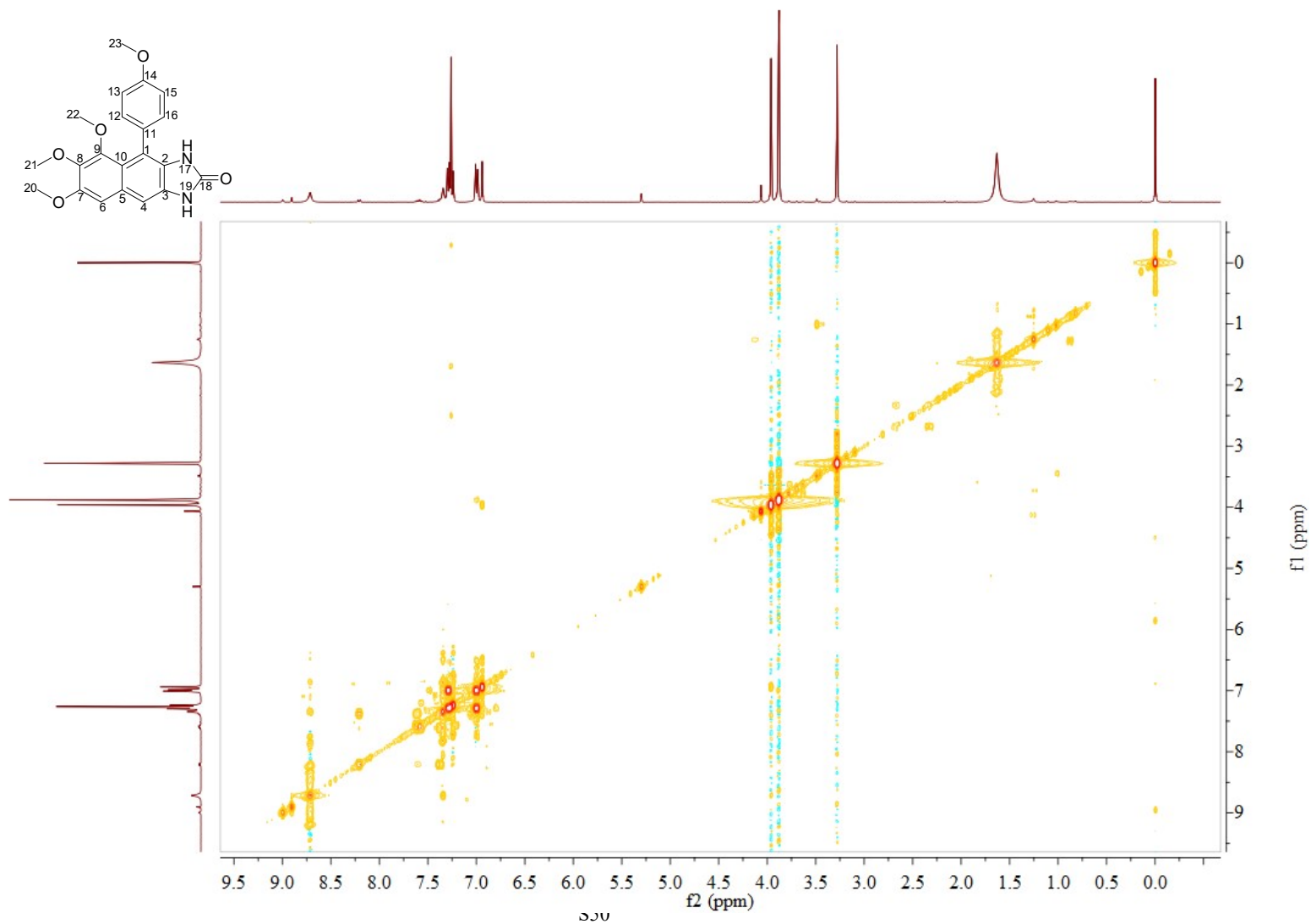


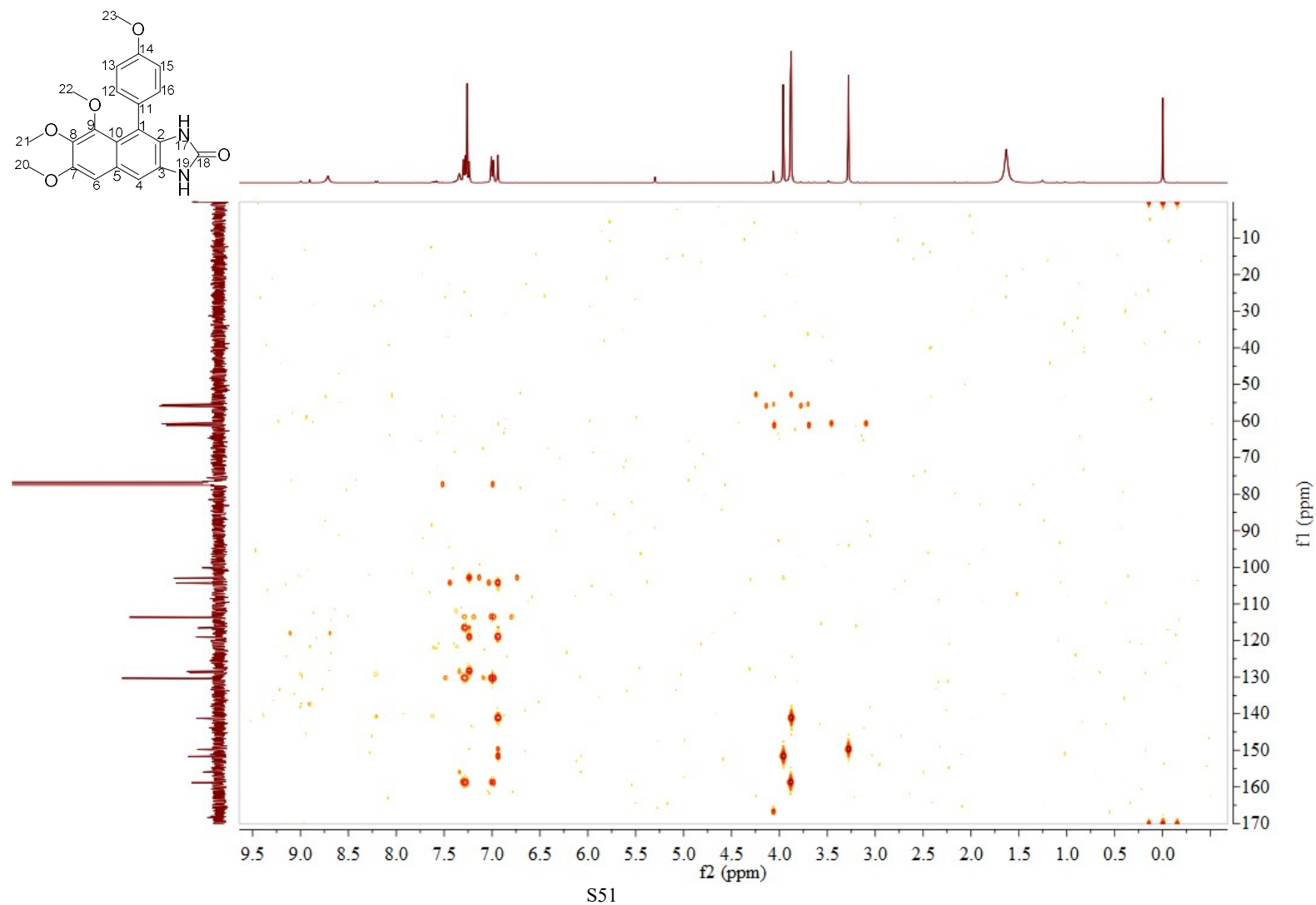
Figure S46. HMBC spectrum of **dichotomocej F (4)** in CDCl₃

Figure S47. NOESY spectrum of **dichotomocej F (4)** in CDCl₃

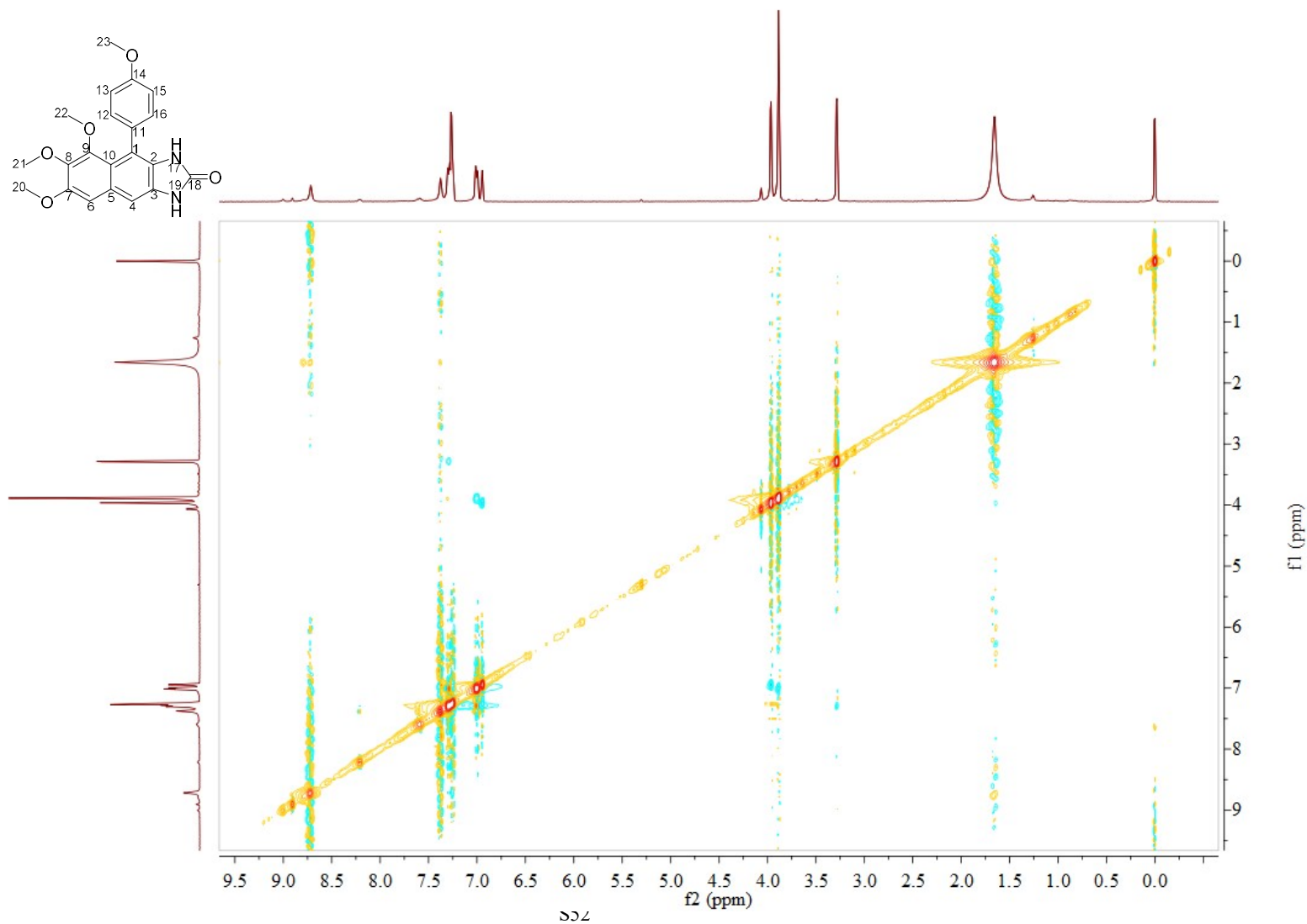


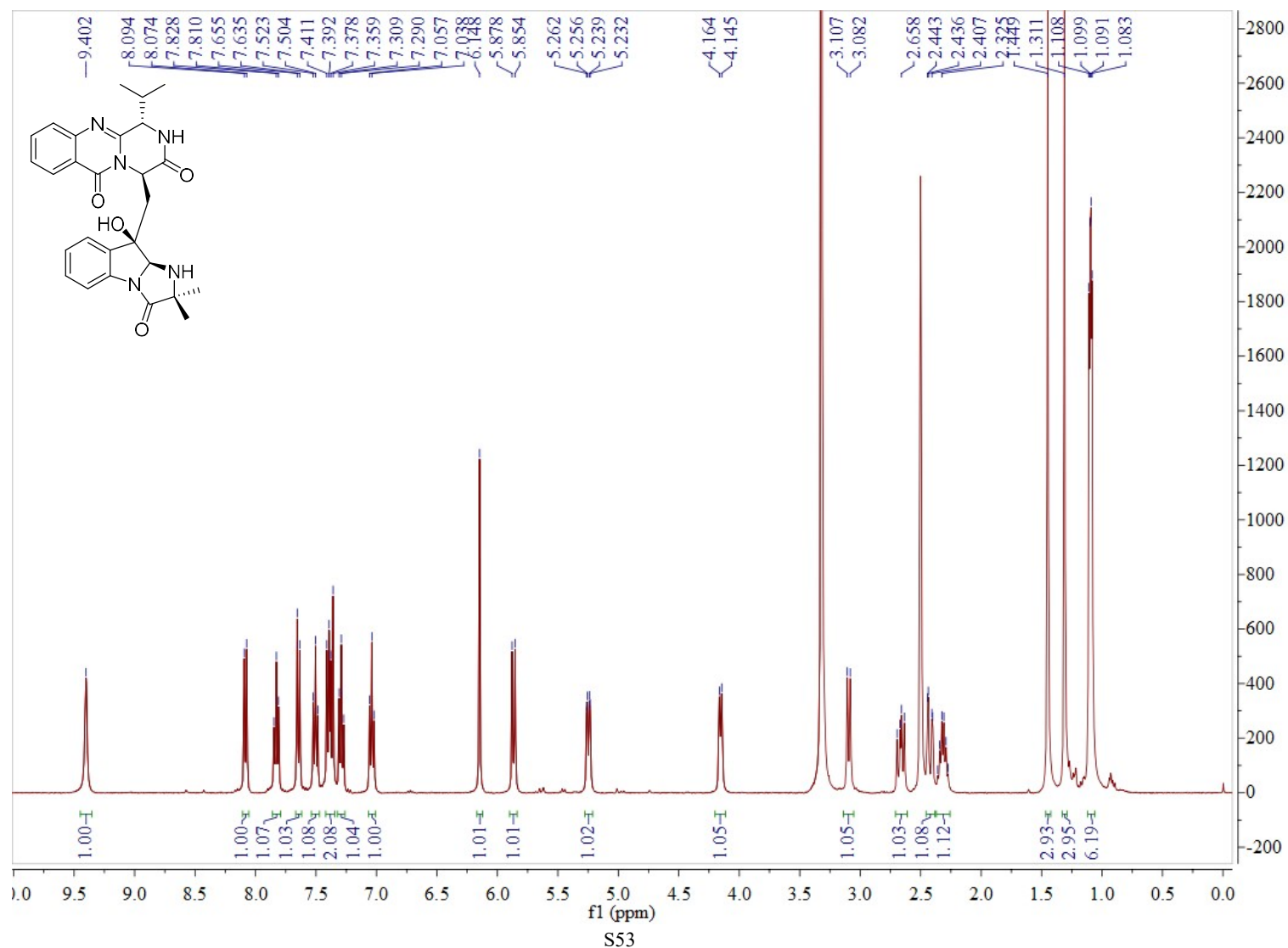
Figure S48. ^1H NMR spectrum of *scequinadolines A* (**5**) in CDCl_3 

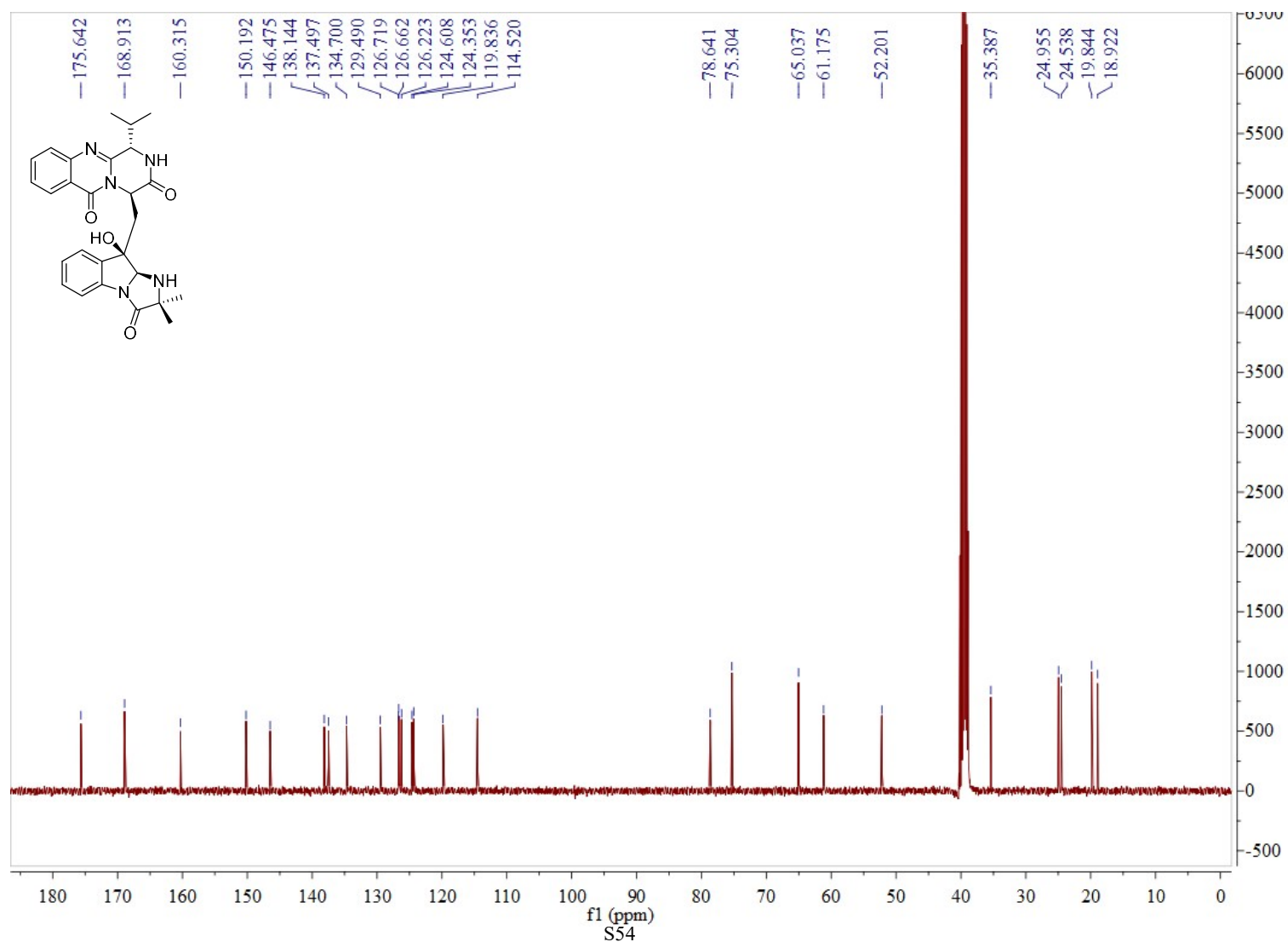
Figure S49. ^{13}C NMR spectrum of **scequinadolines A (5)** in CDCl_3 

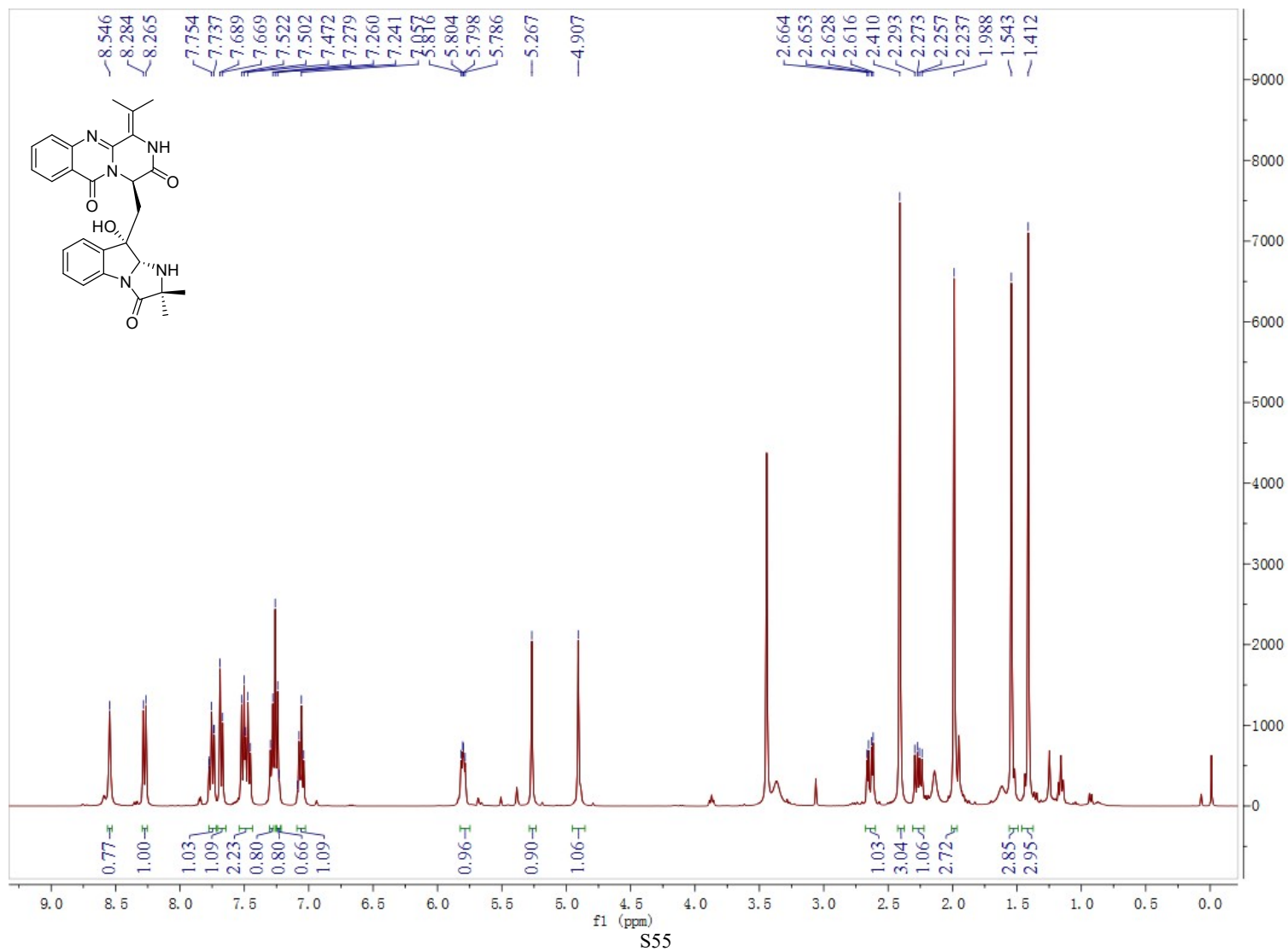
Figure S50. ^1H NMR spectrum of quinadoline A (**6**) in CDCl_3 

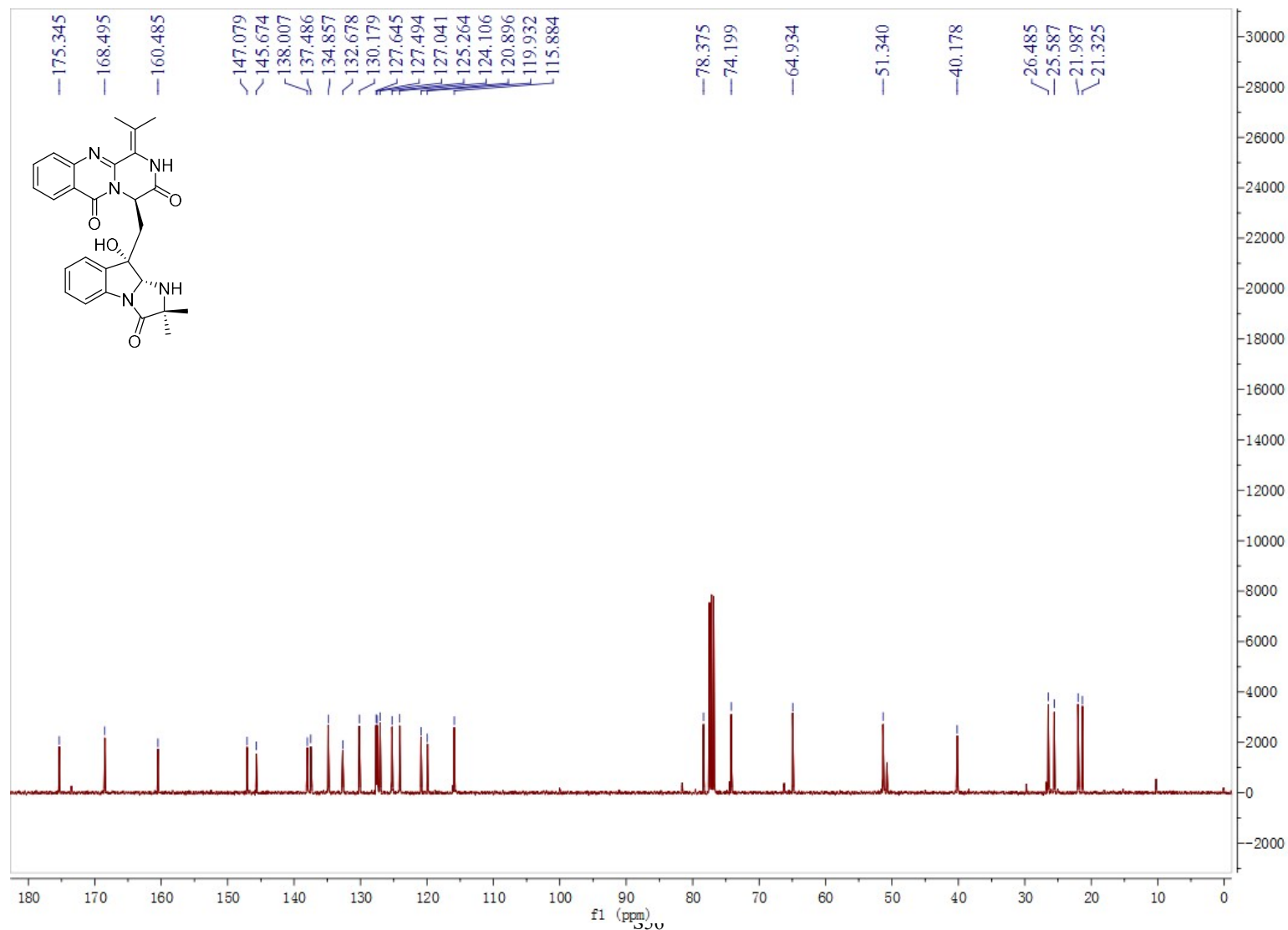
Figure S51. ^{13}C NMR spectrum of **quinadoline A (6)** in CDCl_3 

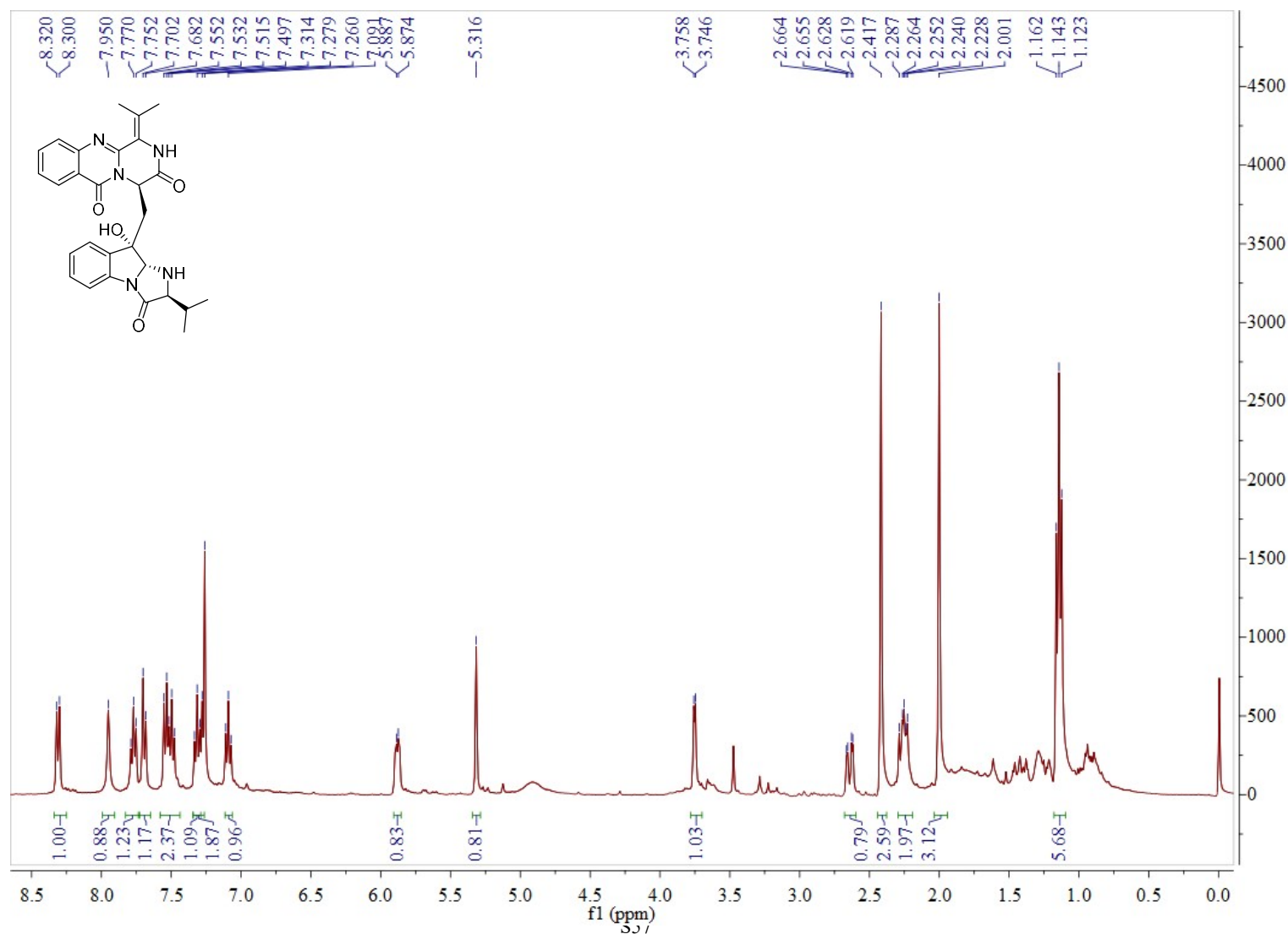
Figure S52. ^1H NMR spectrum of scequinadolines E (7) in CDCl_3 

Figure S53. ^{13}C NMR spectrum of *scequinadolines E* (**7**) in CDCl_3 