Supporting information - Figure S1-S68

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Figure S1. Selected ^{1}H-^{1}H COSY and HMBC correlations of compounds **2-8**

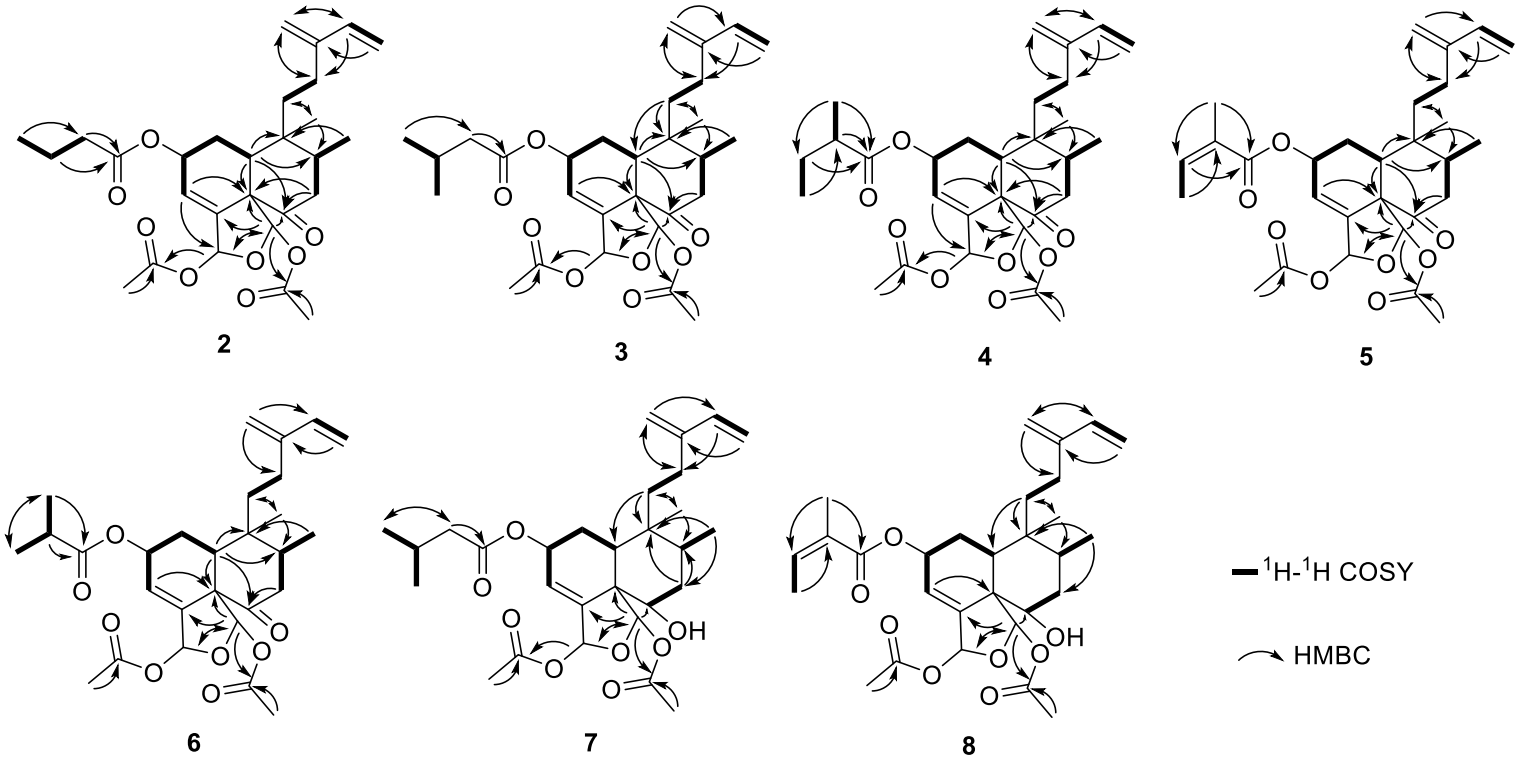


Figure S2. Selected ROESY correlations of compounds **2-5** and **7**

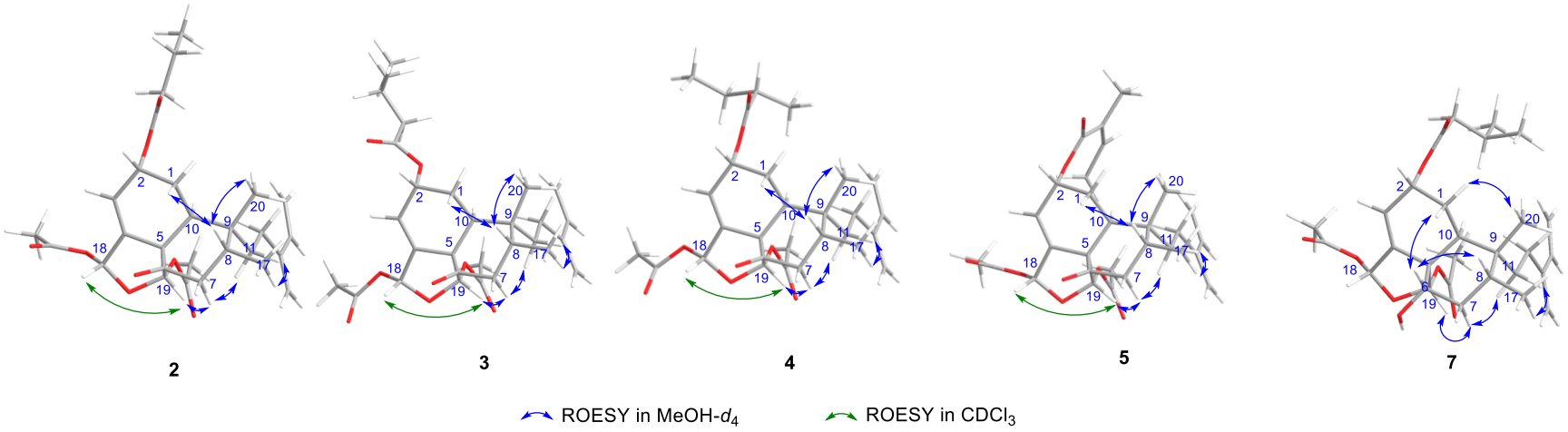


Figure S3. ECD curves of compounds **2**, **3**, and **5-8**

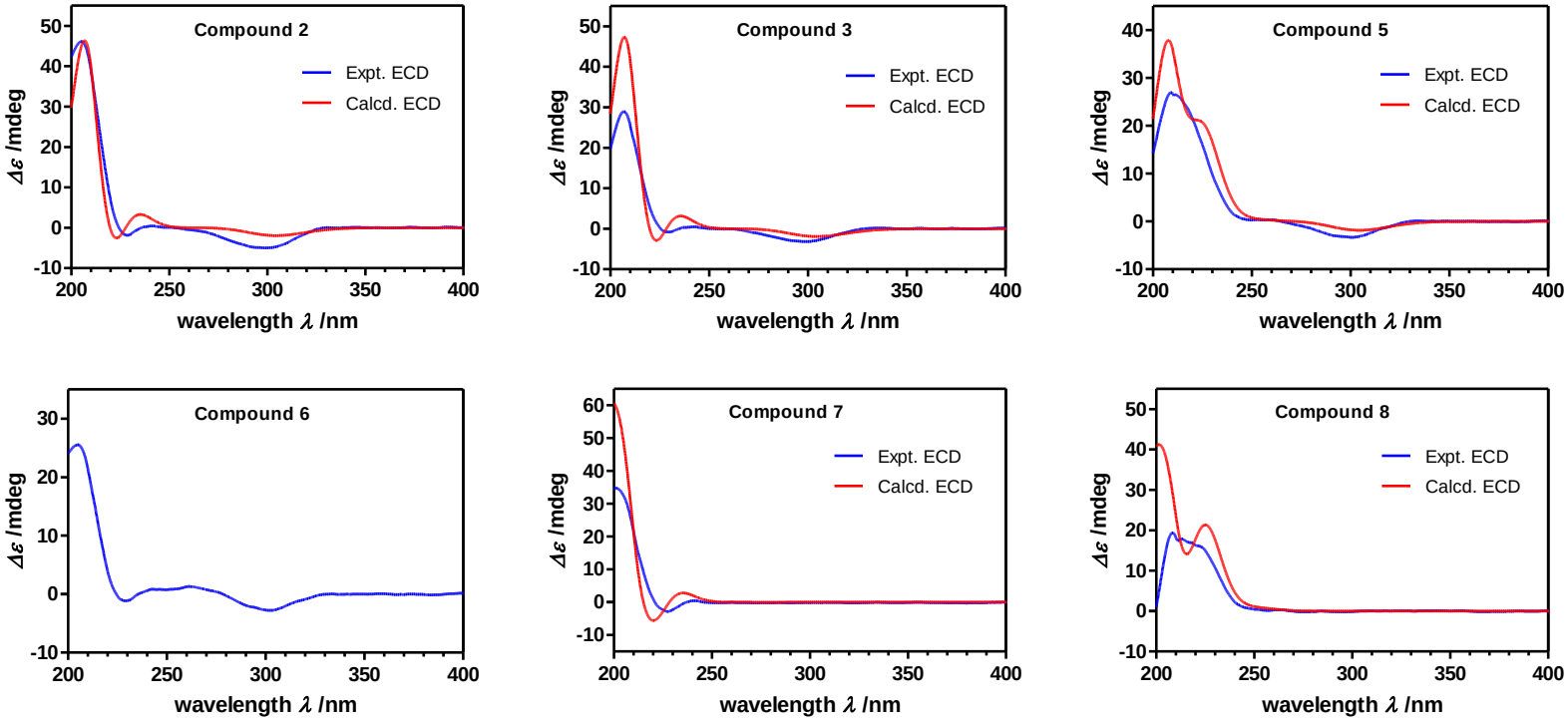


Figure S4. Comparison of exprimetal and calculated VCD spectra of Anacolosin B (**2**)

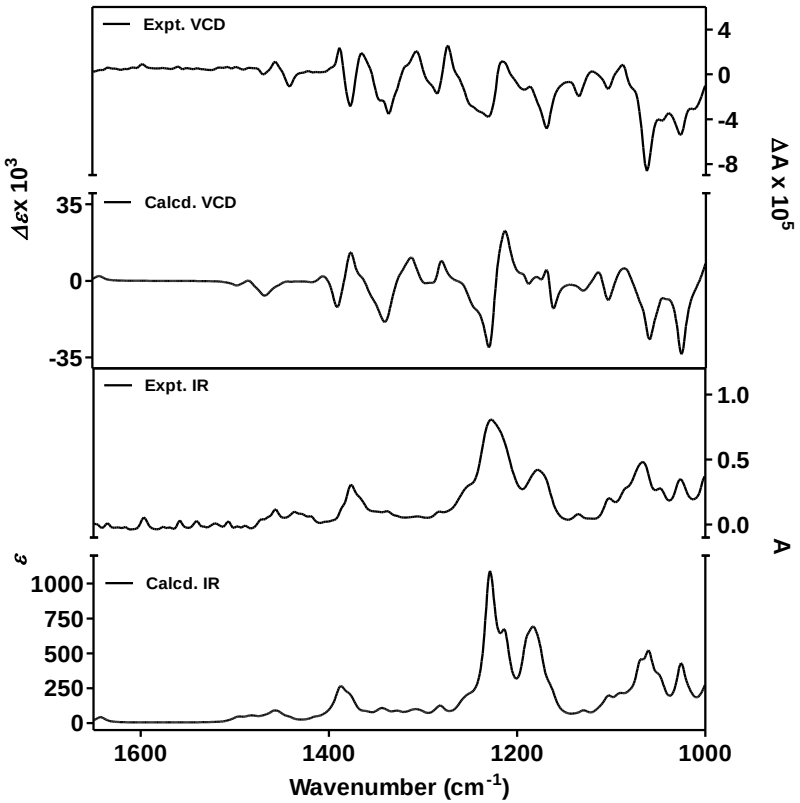


Figure S5. Selected ion extraction of the reaction residue of hydrolysate of Anacolosin D (**4**)and α-bromo-2-acetonaphthone (**11**)

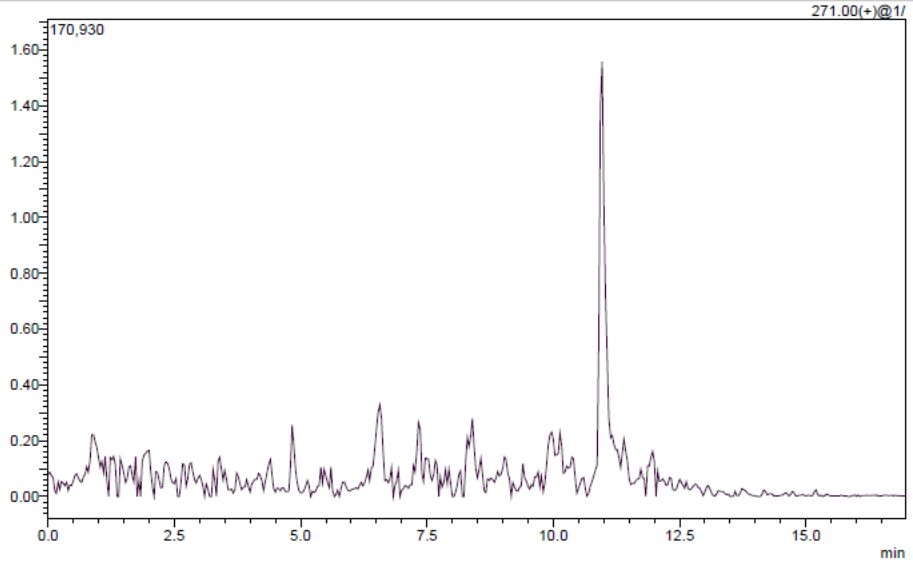
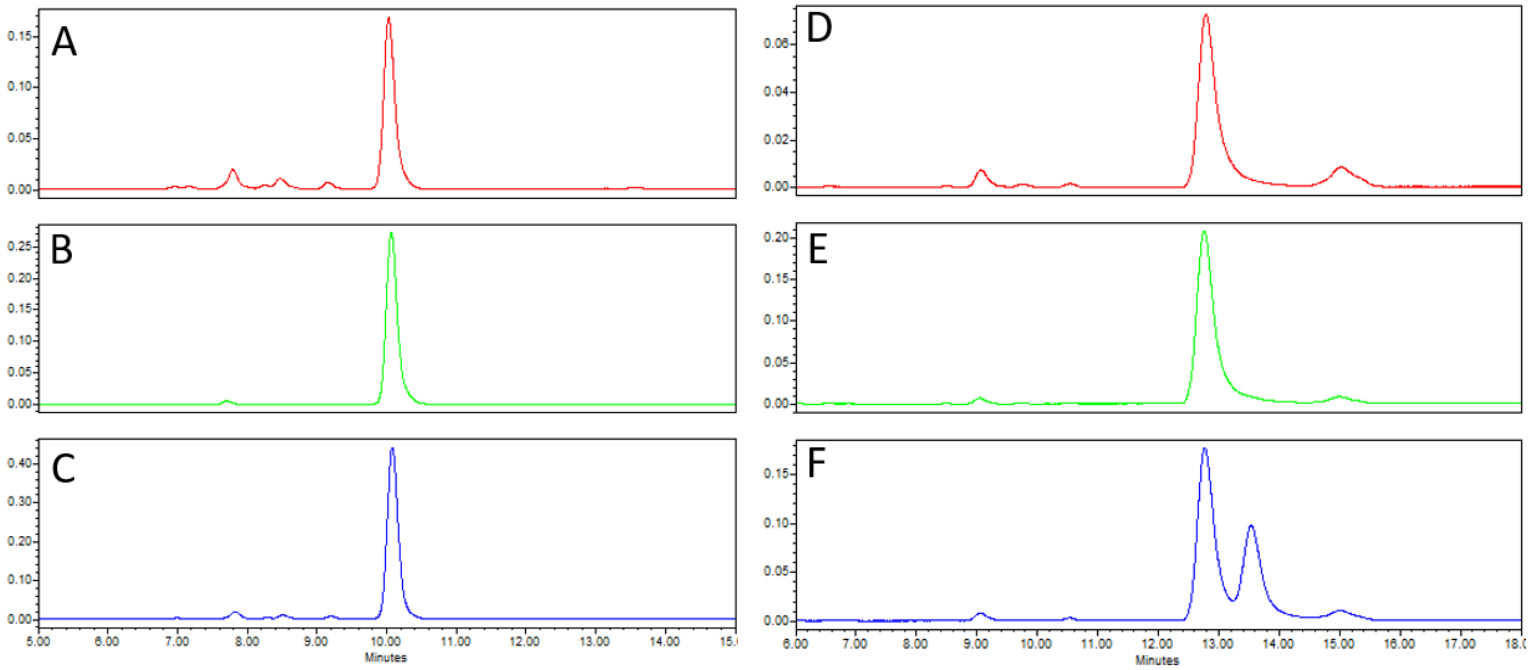


Figure S6. C18 and chiral HPLC analysis of **13** from *S* and *R*/*S*-**12** and Anacolosin D (**4**)



A: C18 HPLC analysis of 2-methylbutyric acid 2-naphthacyl ester (**13**) from Anacolosin D (**4**)

B: C18 HPLC analysis of **13** from *S*-**12** (2-methylbutyric acid)

C: Co-injection of **13** from Anacolosin D (**4**) and from *S*-**12** on C18 HPLC

D: Chiral HPLC analysis of **13** from Anacolosin D (**4**) on Phenomenex Cellulose-3 column

E: Co-injection of **13** from the Anacolosin D (**4**) and from *S*-**12** on Phenomenex Cellulose-3 column

F: Co-injection of **13** from the Anacolosin D (**4**) and from *R*/*S*-**12** on Phenomenex Cellulose-3 column

Figure S7. $\Delta\delta_{H}$ (*S*−*R*) values (ppm) calculated from O-MTPA esters of Corymbulosin (**7**)

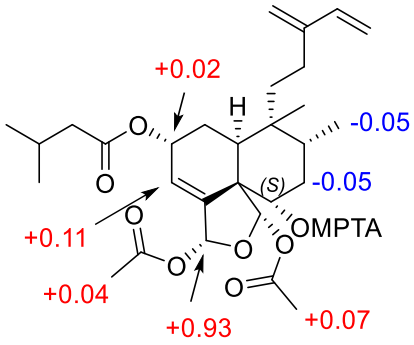


Figure S8. ^{1}H NMR (400 MHz) spectrum of Anacolosin A (**1**) in DMSO-d_6

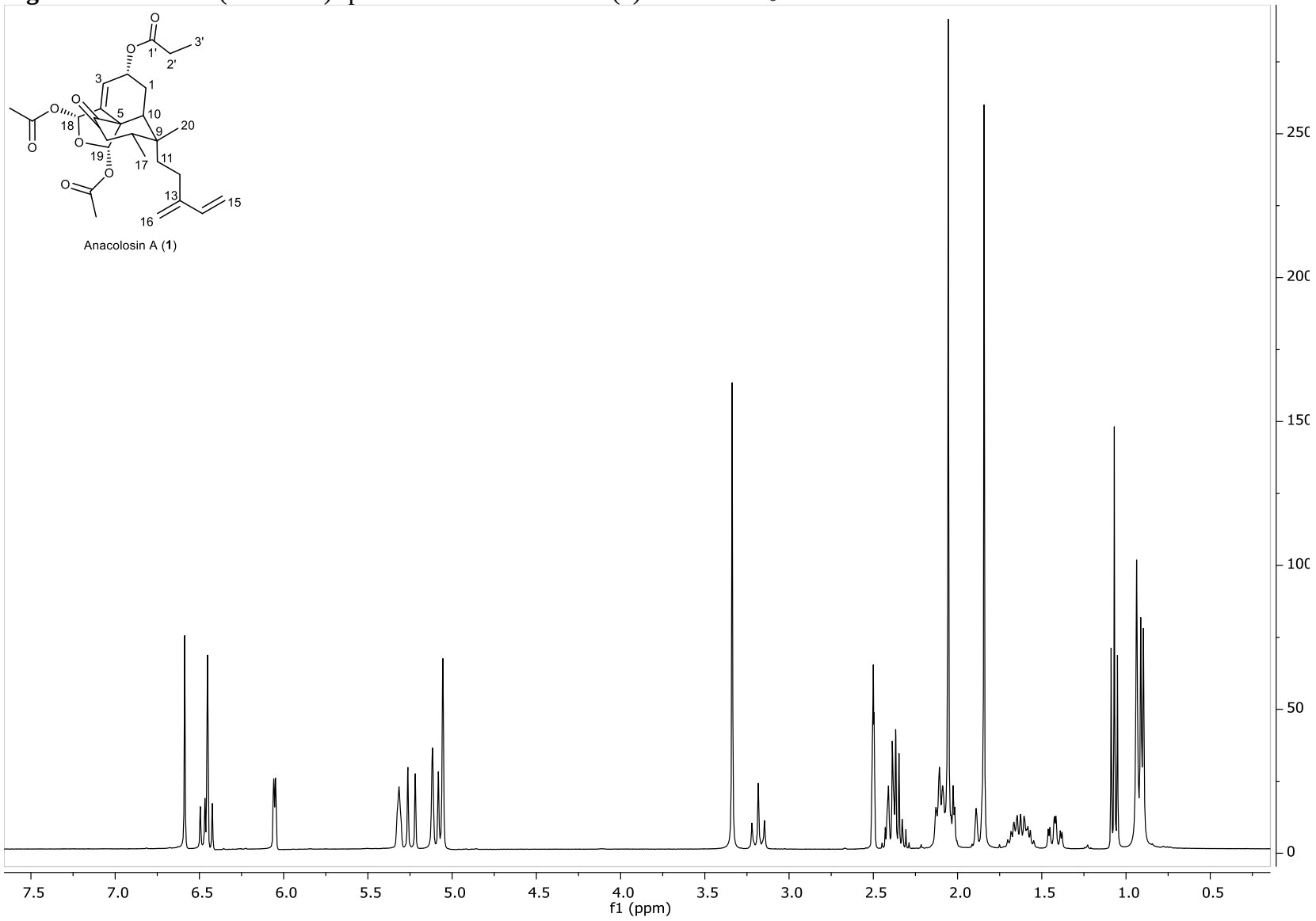


Figure S9. ^{13}C NMR (100 MHz) spectrum of Anacolosin A (**1**) in DMSO-d_6

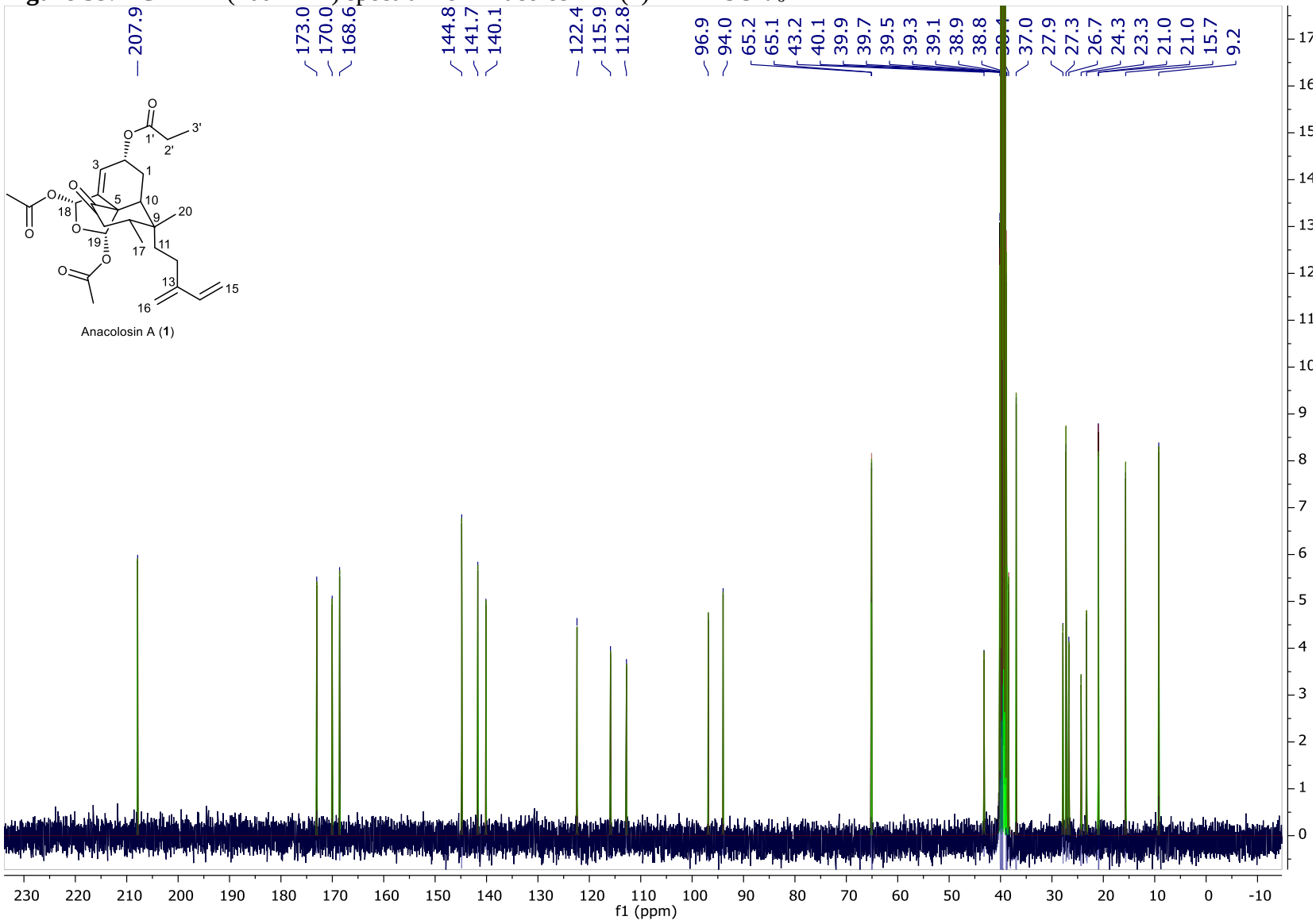


Figure S10. ^{1}H-^{1}H COSY (500 MHz) spectrum of Anacolosin A (**1**) in DMSO-d_6

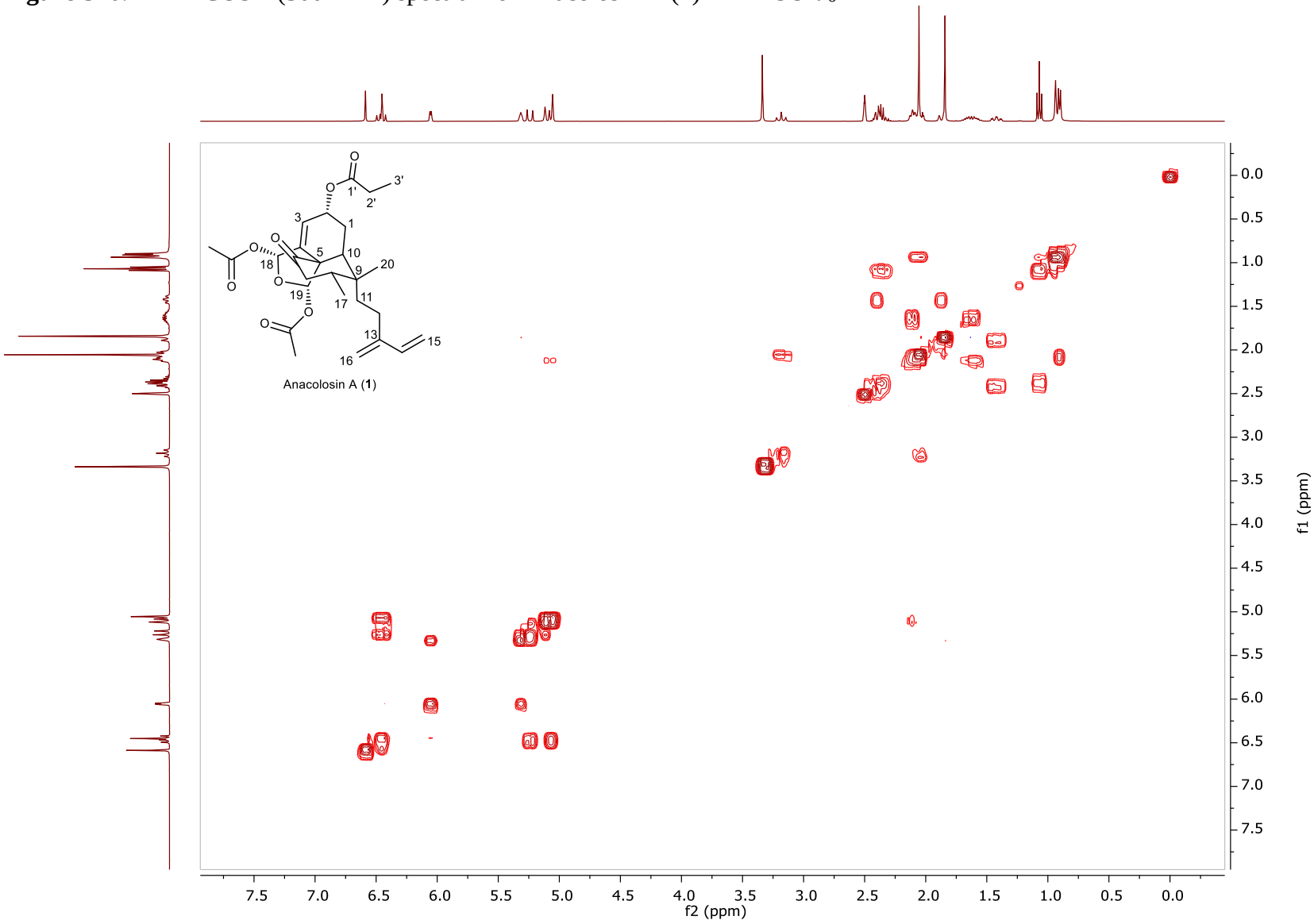


Figure S11. HSQC (500 MHz) spectrum of Anacolosin A (**1**) in DMSO-d_6

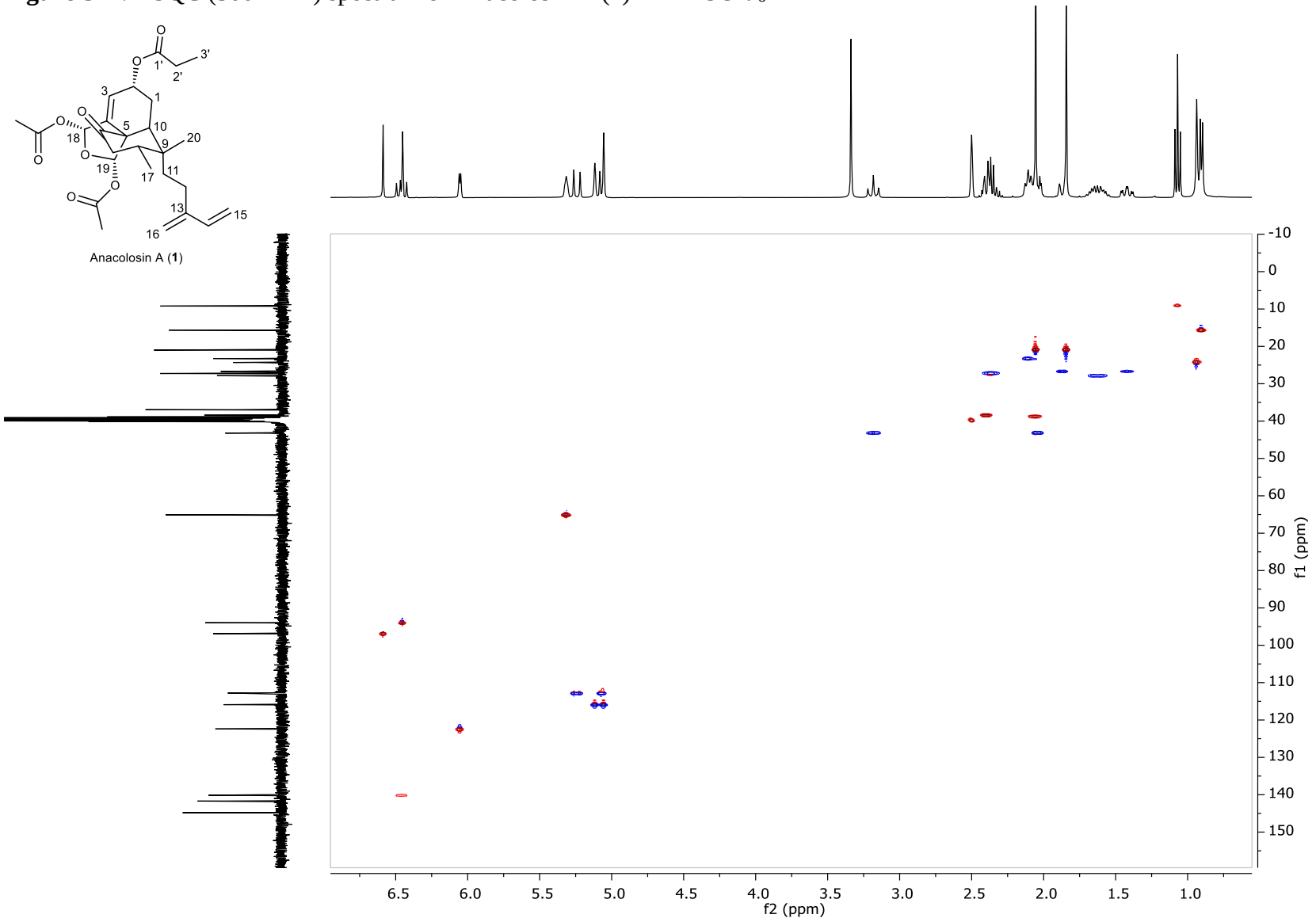


Figure S12. HMBC (500 MHz) spectrum of Anacolosin A (**1**) in DMSO-d_6

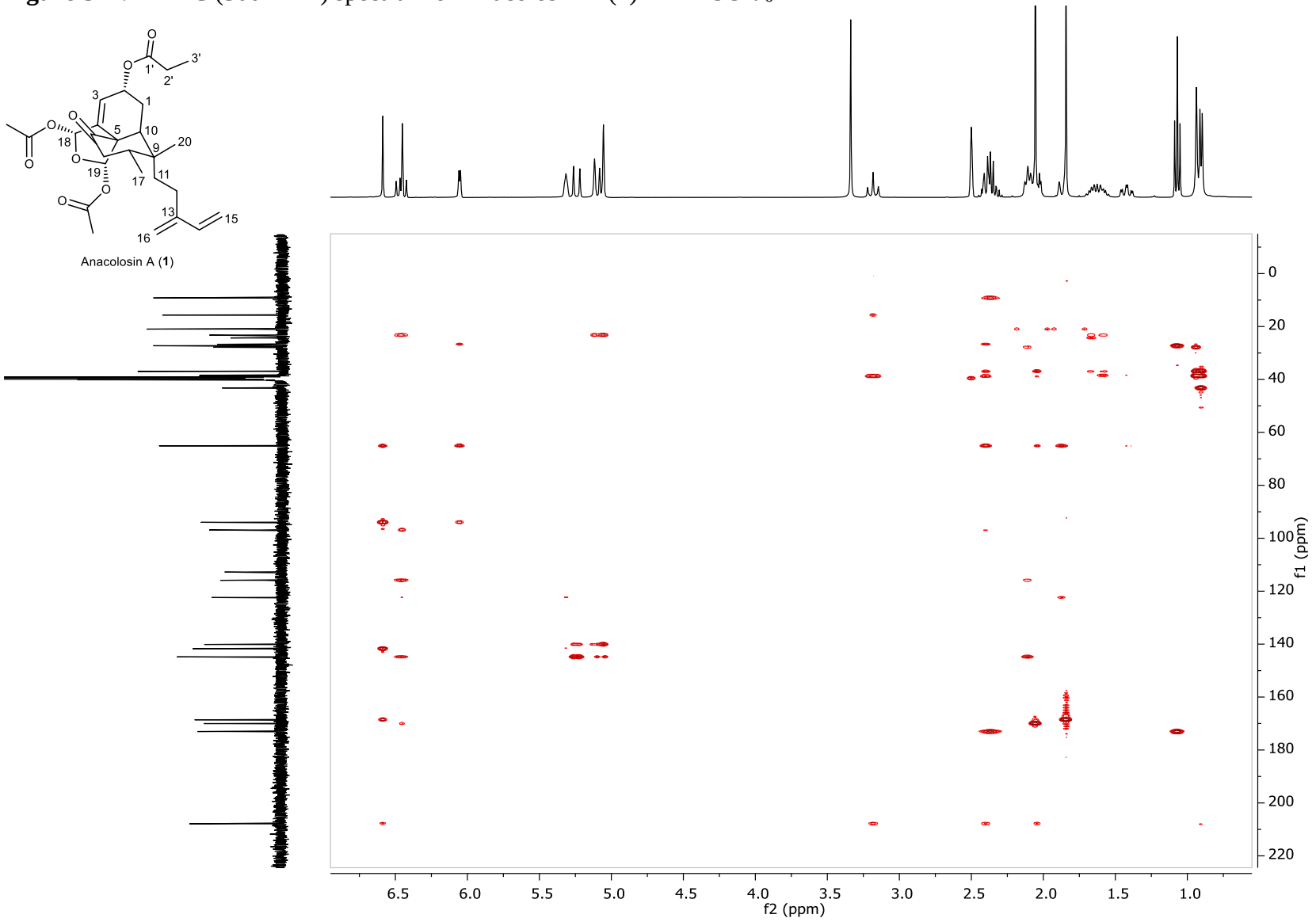


Figure S13. ROESY (600 MHz) spectrum of Anacolosin A (**1**) in DMSO-d_6

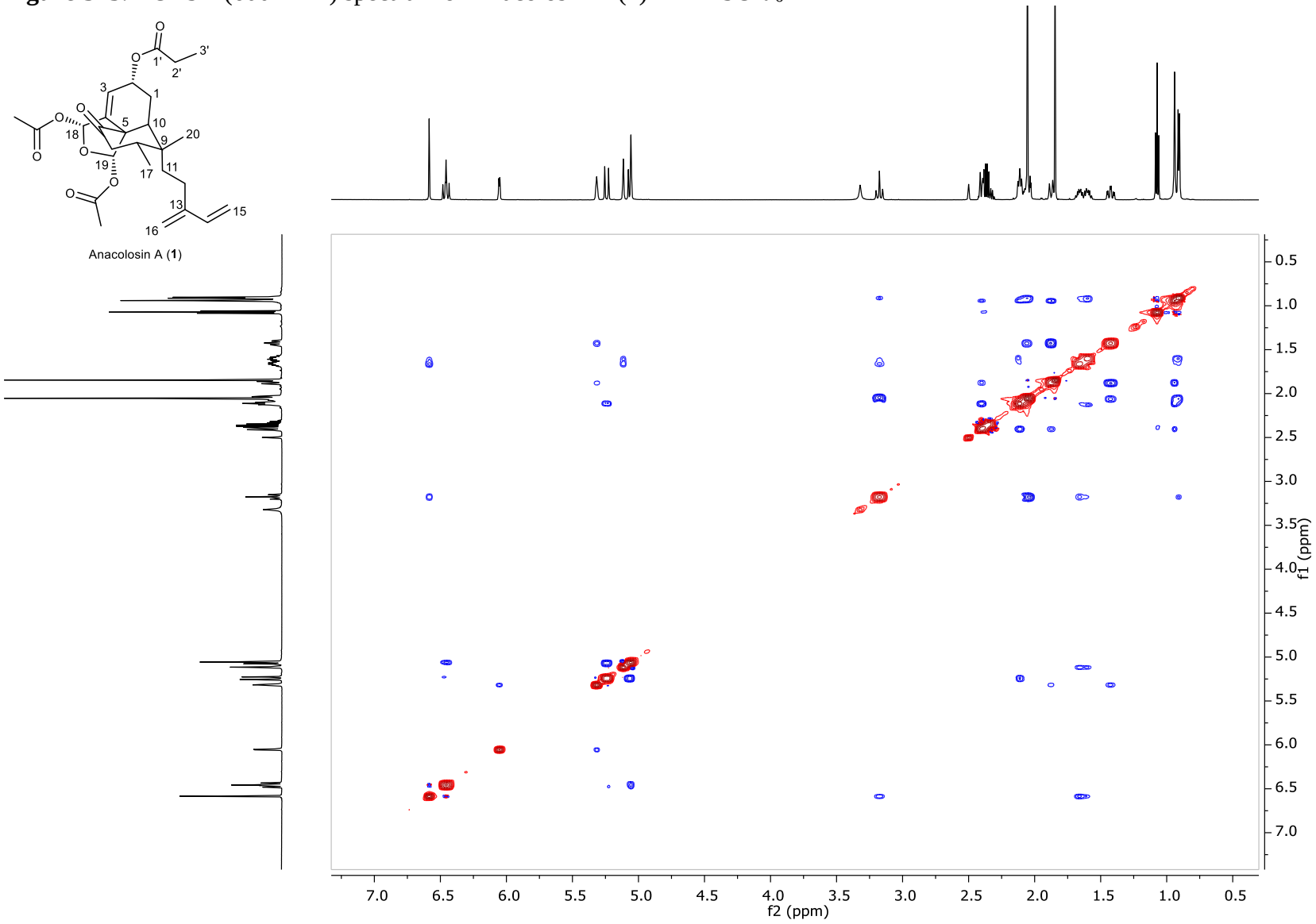


Figure S14. ROESY (500 MHz) spectrum of Anacolosin A (**1**) in $CDCl_3$

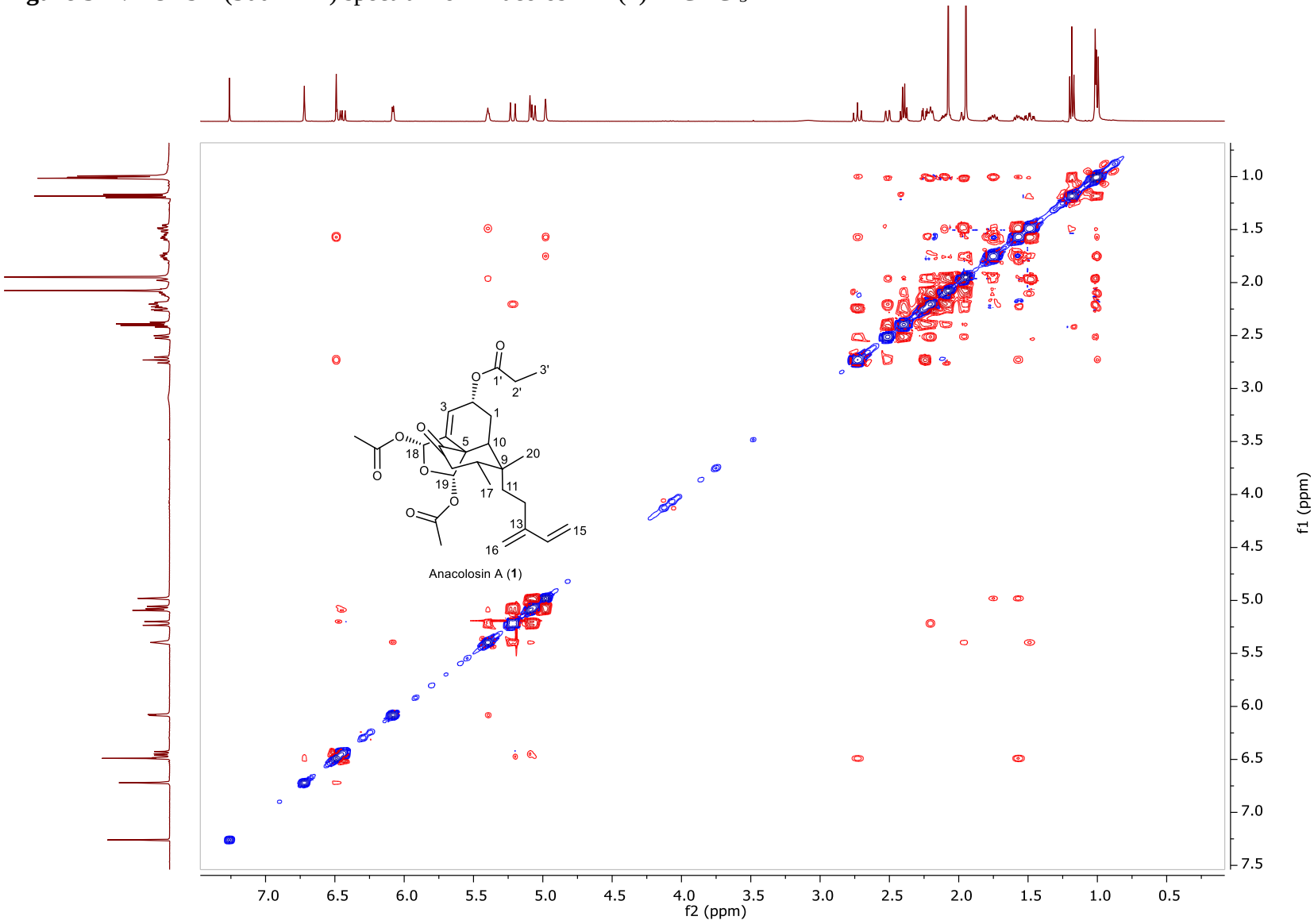


Figure S15. HRESIMS spectrum of Anacolosin A (**1**)

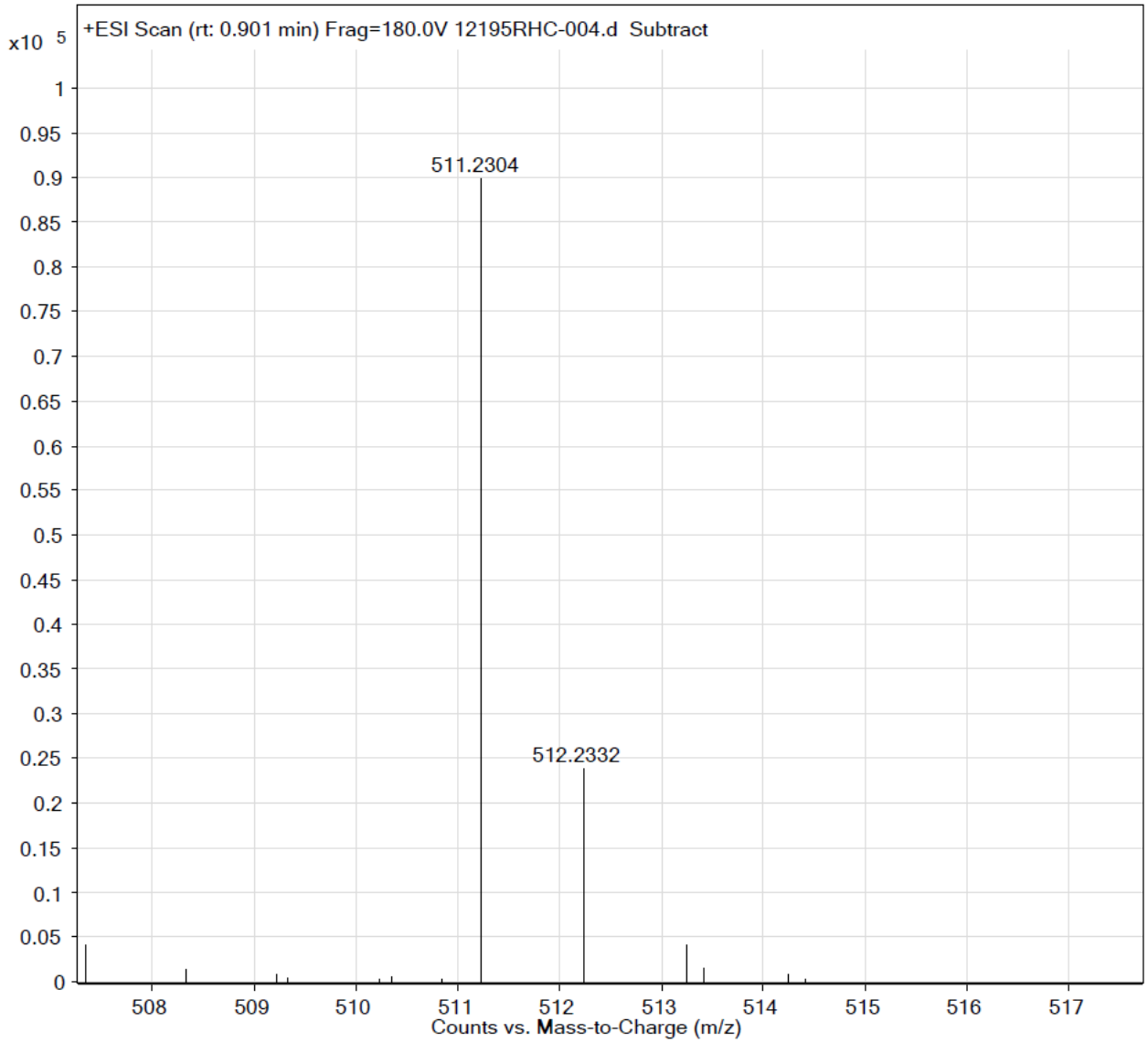


Figure S16. ^{1}H NMR (600 MHz) spectrum of Anacolosin B (**2**) in MeOH-d_4

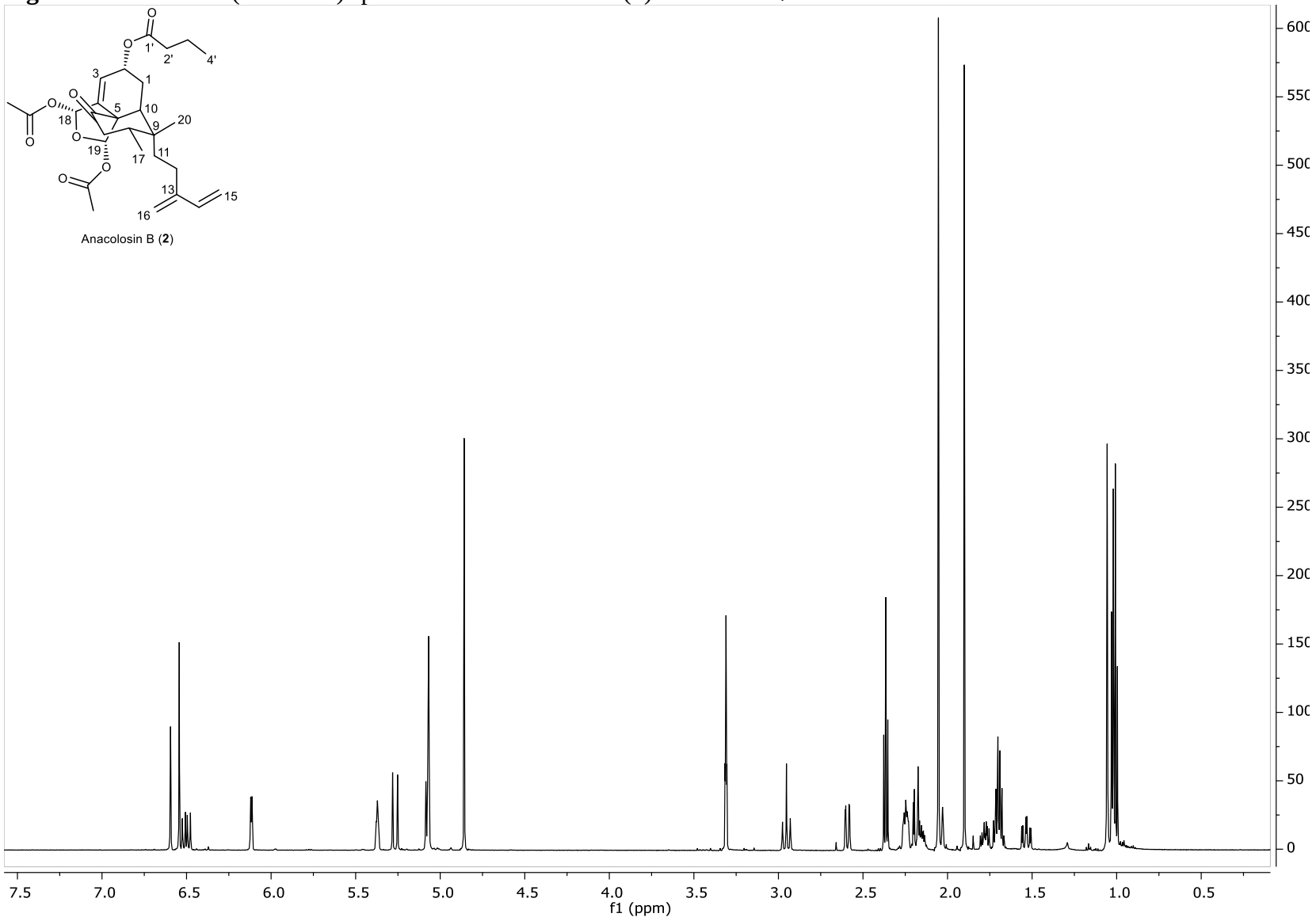


Figure S17. ^{13}C NMR (100 MHz) spectrum of Anacolosin B (**2**) in MeOH-d_4

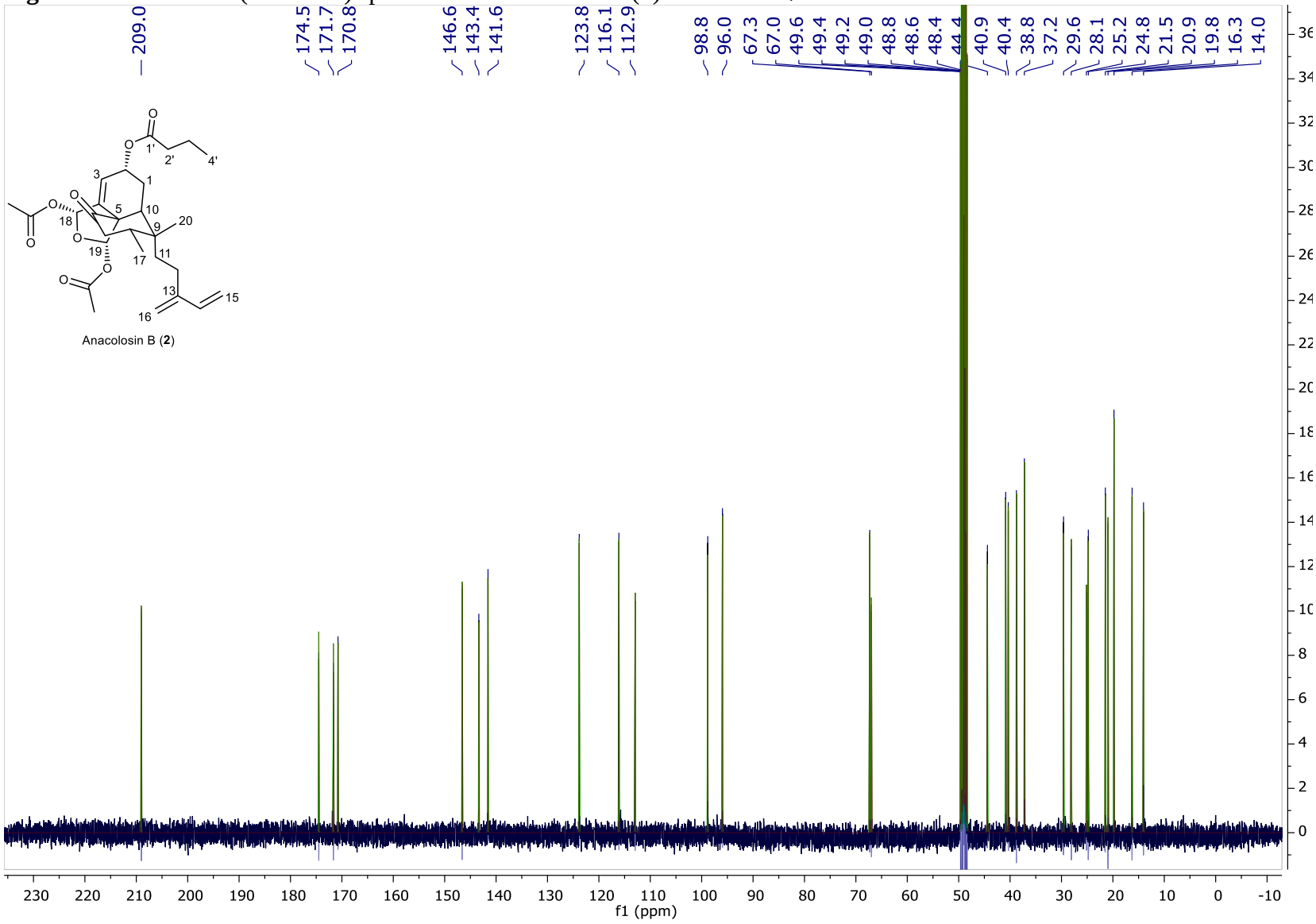


Figure S18. ^{1}H-^{1}H COSY (500 MHz) spectrum of Anacolosin B (**2**) in MeOH-d_4

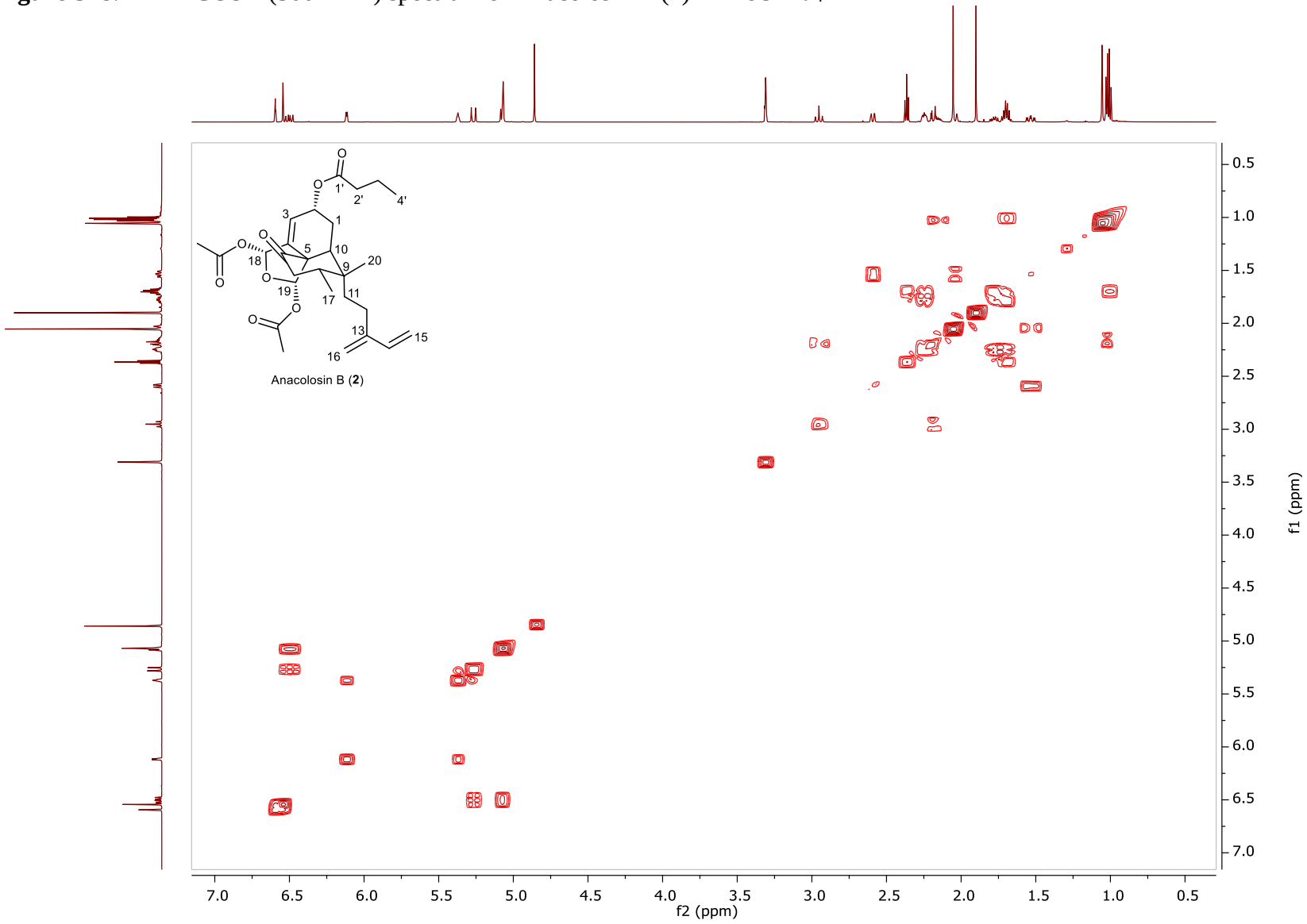


Figure S19. HSQC (500 MHz) spectrum of Anacolosin B (**2**) in MeOH-d_4

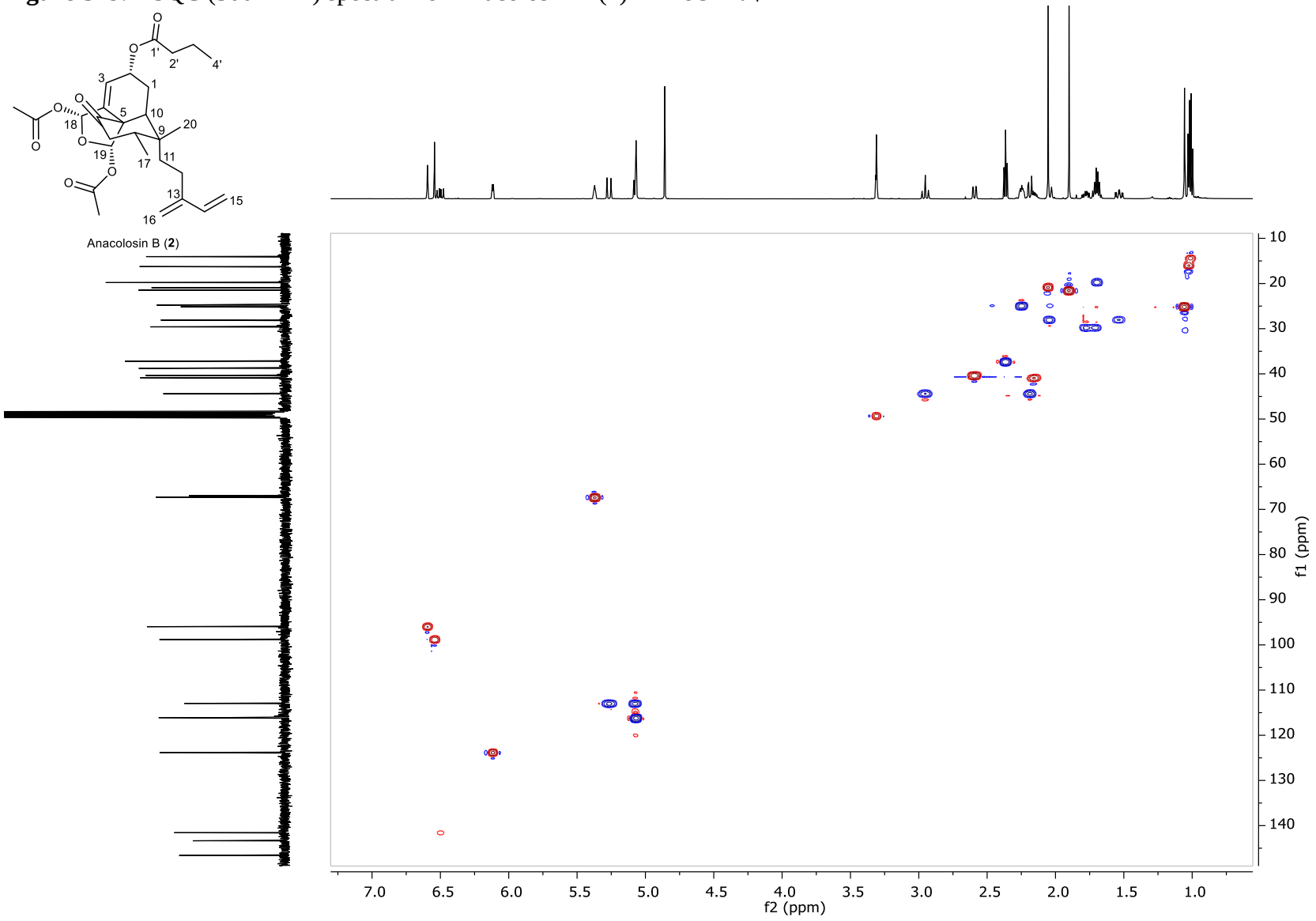


Figure S20. HMBC (500 MHz) spectrum of Anacolosin B (**2**) in MeOH-d_4

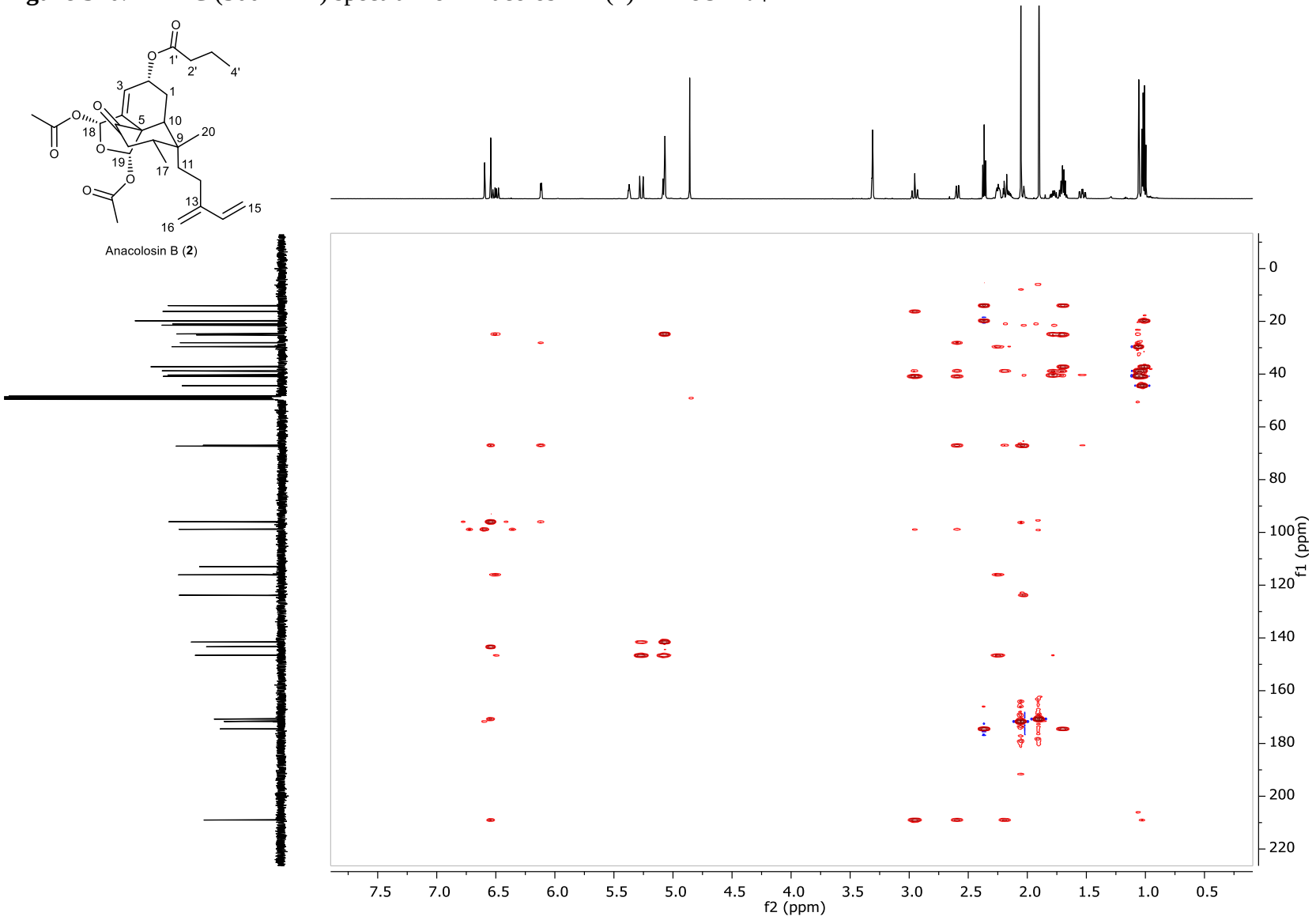


Figure S21. ROESY (500 MHz) spectrum of Anacolosin B (**2**) in MeOH-d_4

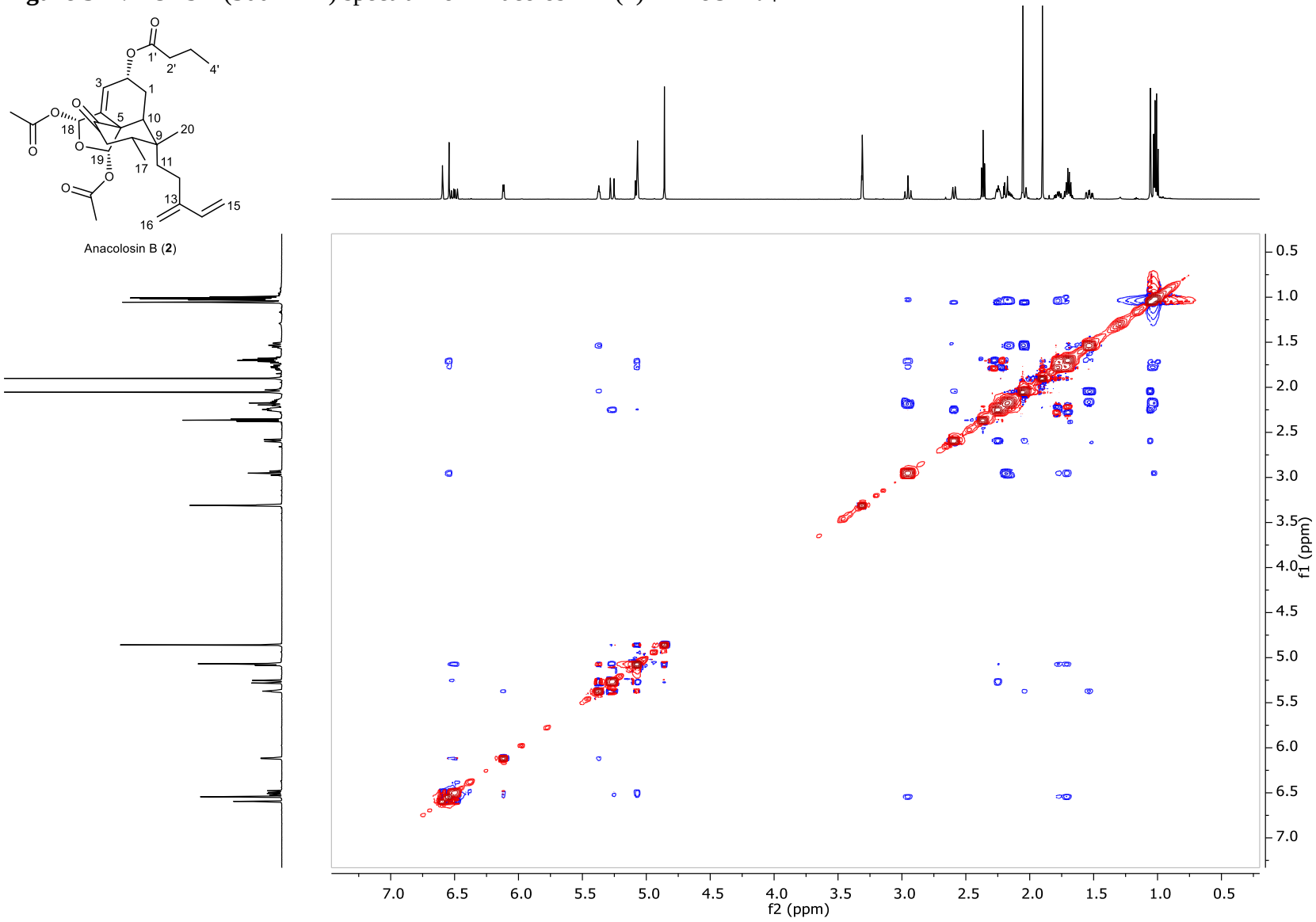


Figure S22. ROESY (500 MHz) spectrum of Anacolosin B (**2**) in $CDCl_3$

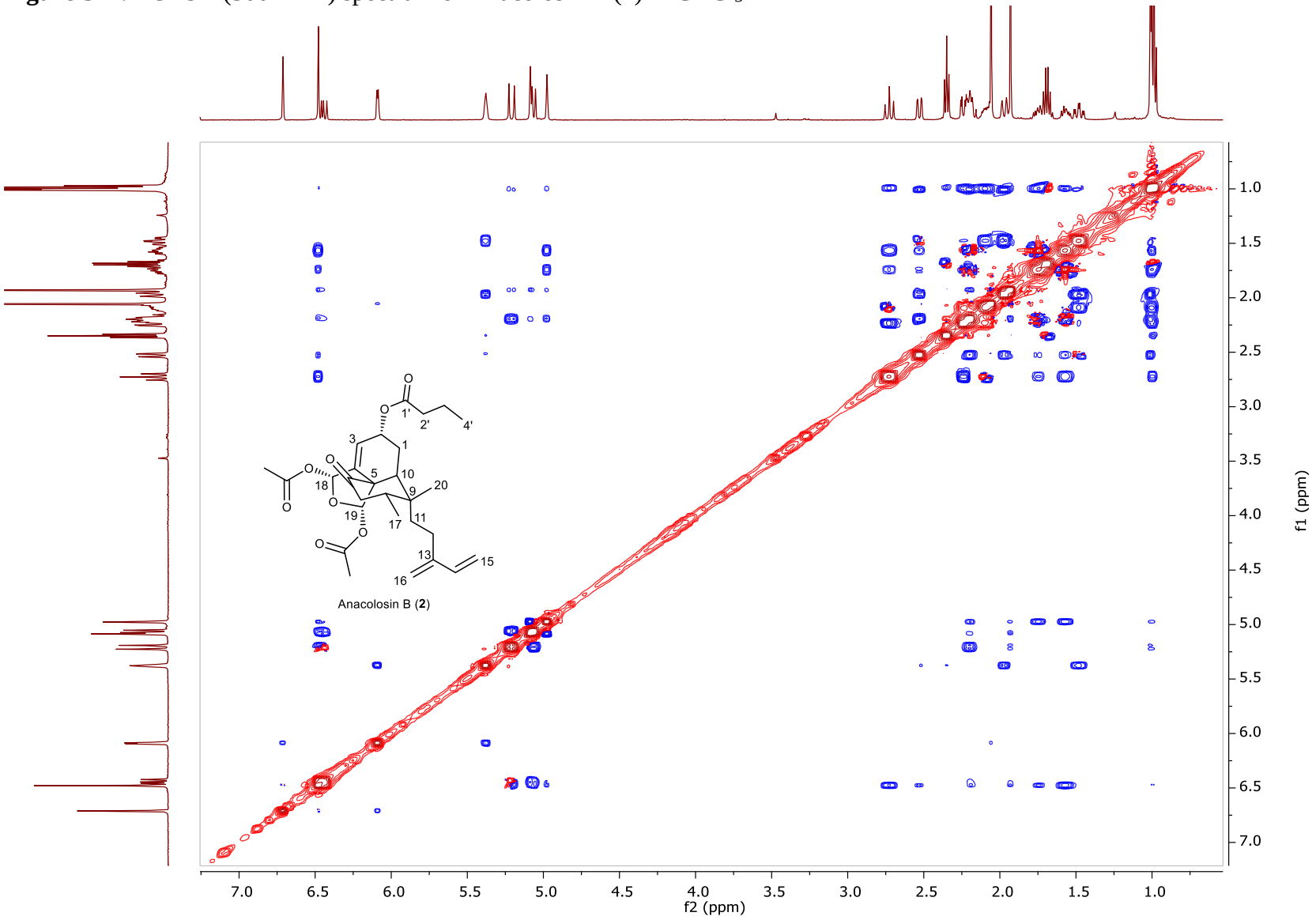


Figure S23. HRESIMS spectrum of Anacolosin B (**2**)

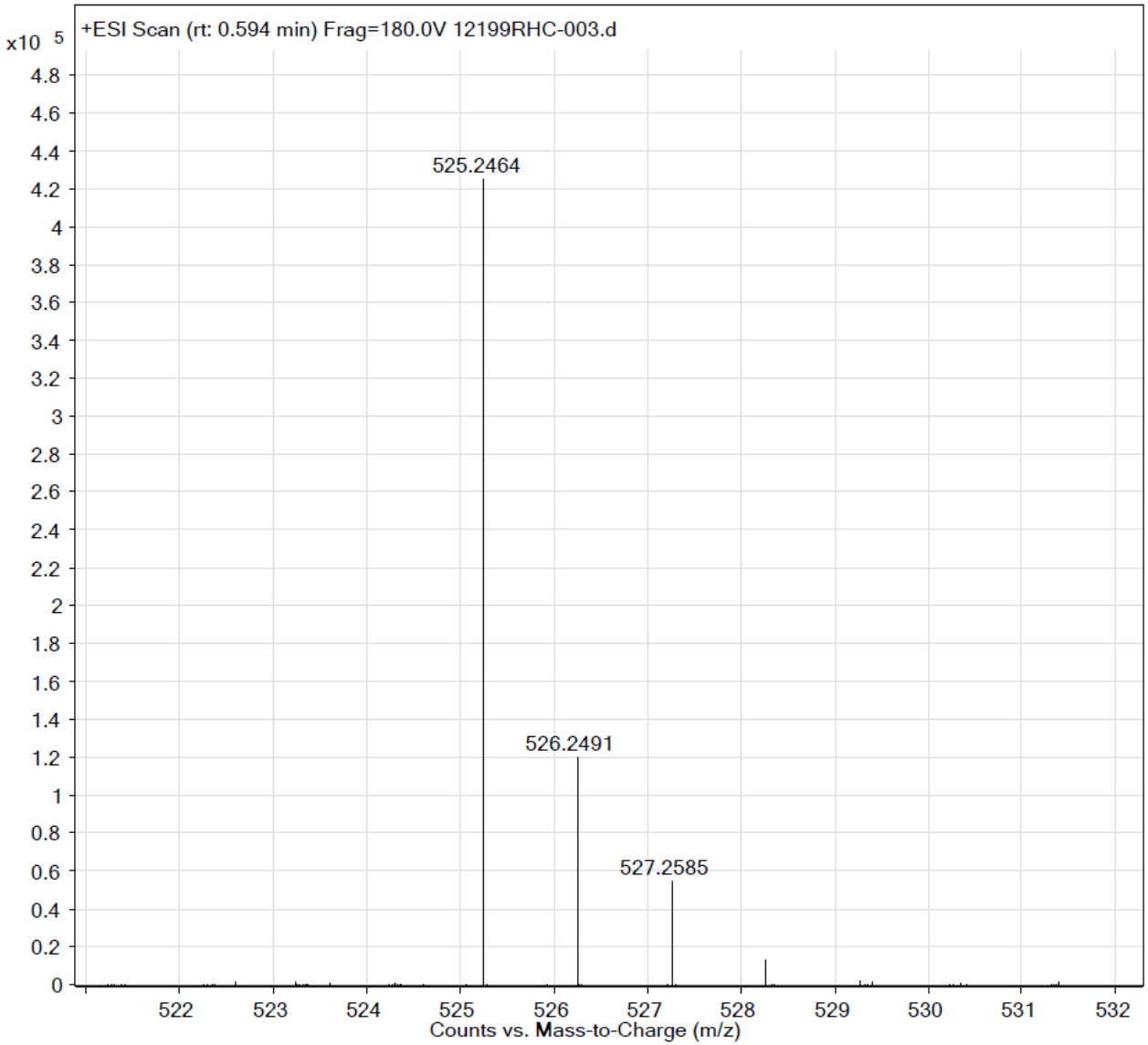


Figure S24. ^{1}H NMR (600 MHz) spectrum of Anacolosin C (**3**) in MeOH-d_4

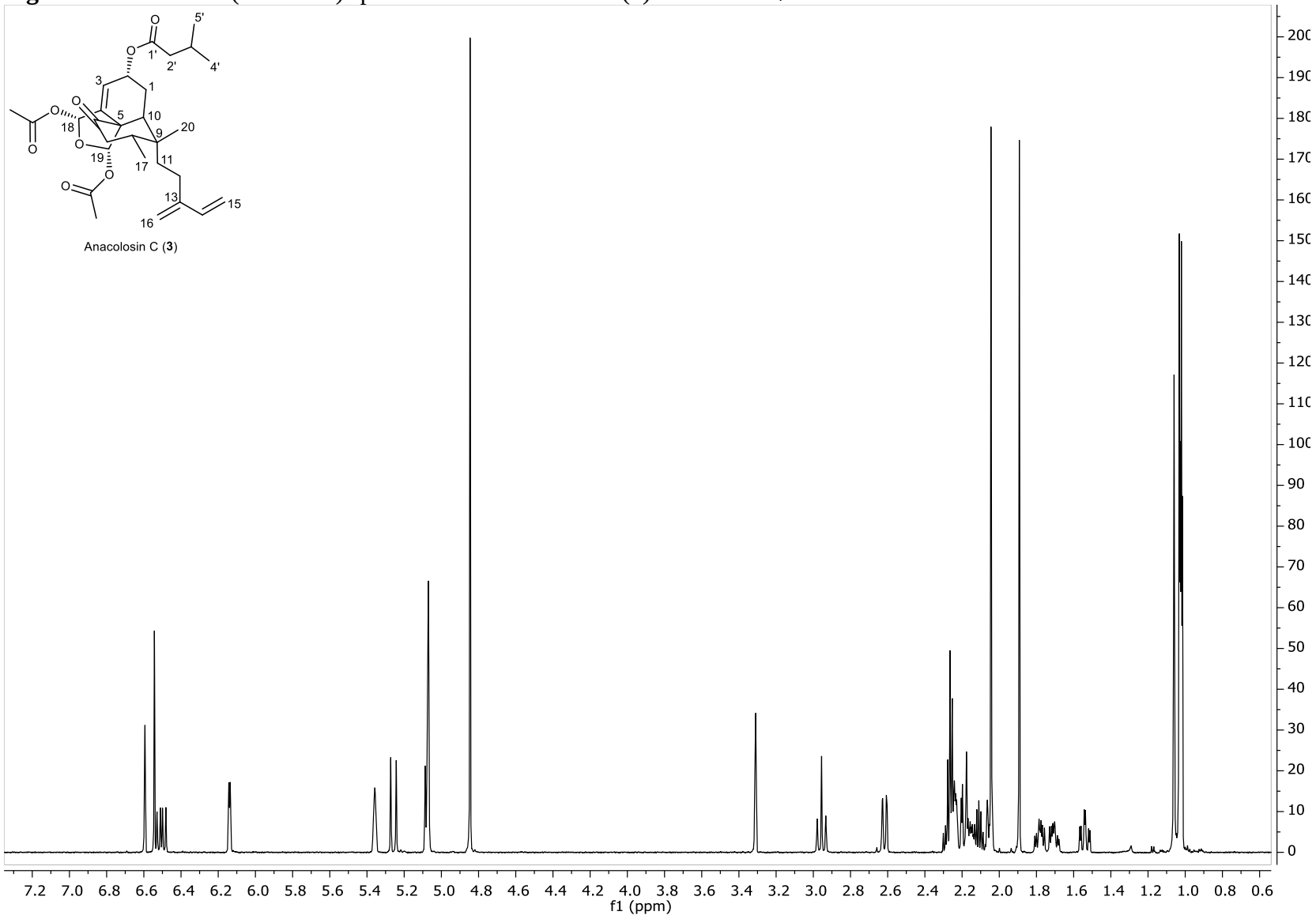


Figure S25. ^{13}C NMR (150 MHz) spectrum of Anacolosin C (**3**) in MeOH-d_4

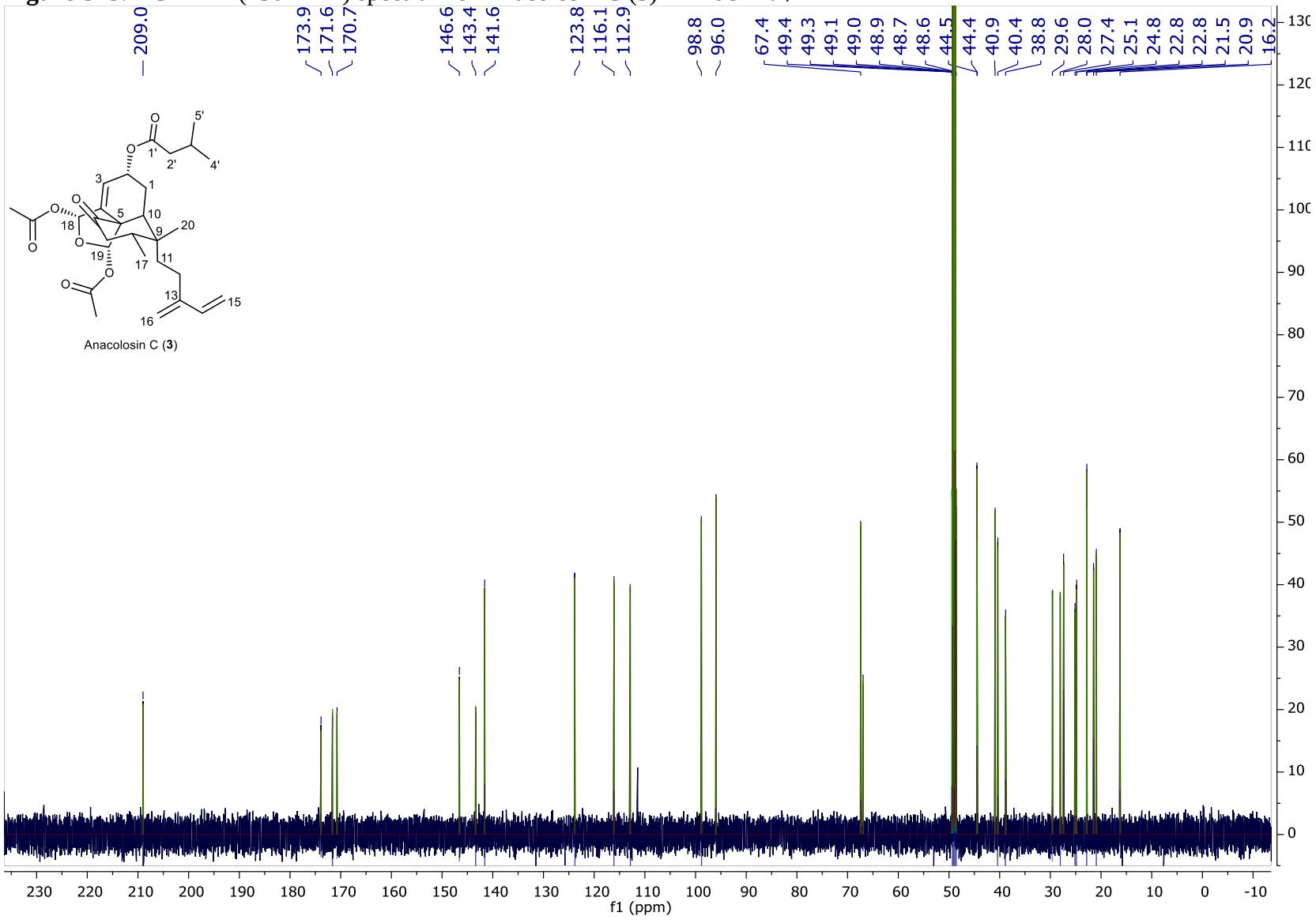


Figure S26. ^{1}H-^{1}H COSY (500 MHz) spectrum of Anacolosin C (**3**) in MeOH-d_4

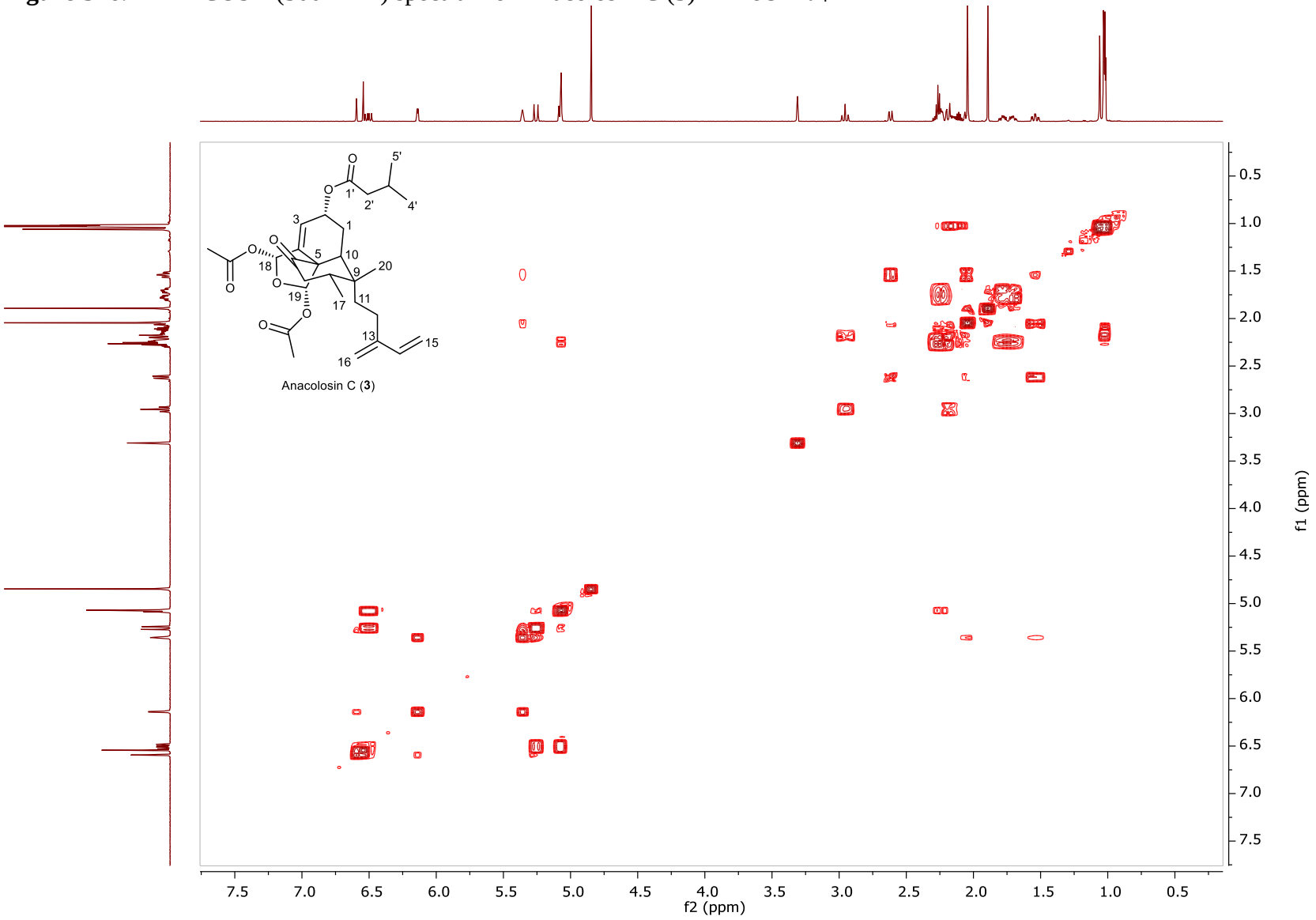


Figure S27. HSQC (500 MHz) spectrum of Anacolosin C (**3**) in MeOH-d_4

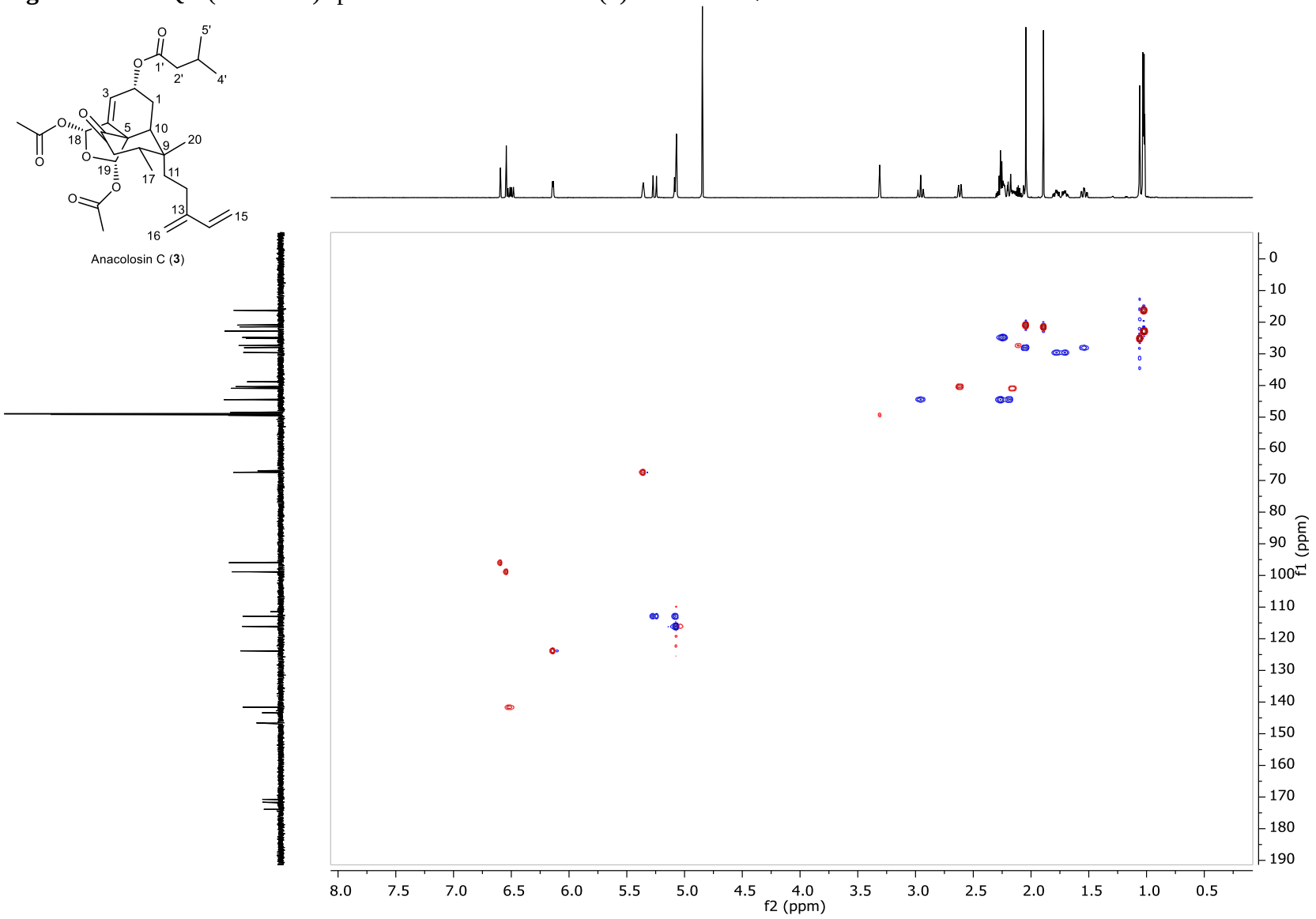


Figure S28. HMBC (500 MHz) spectrum of Anacolosin C (**3**) in MeOH-d_4

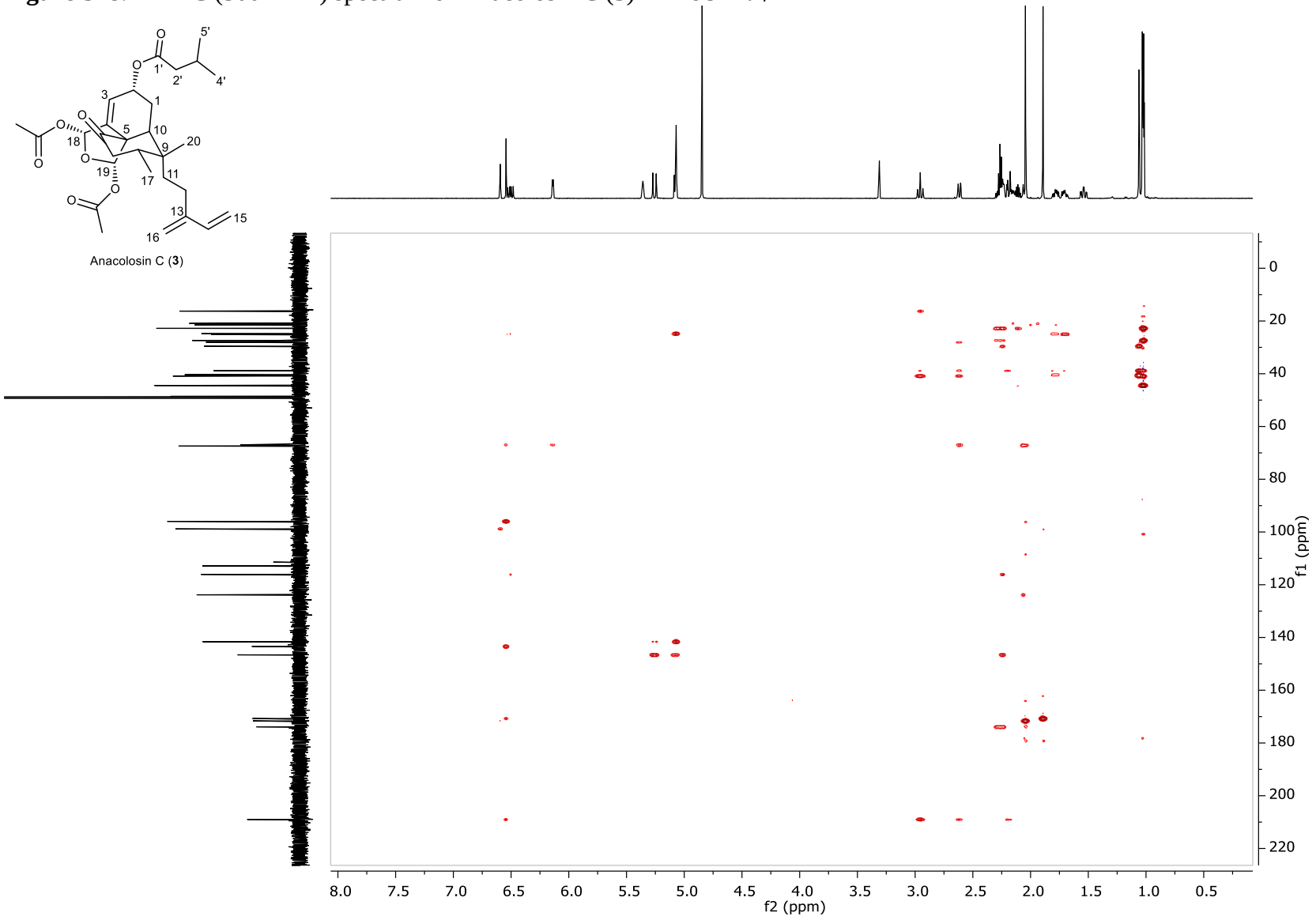


Figure S29. ROESY (500 MHz) spectrum of Anacolosin C (**3**) in MeOH-d_4

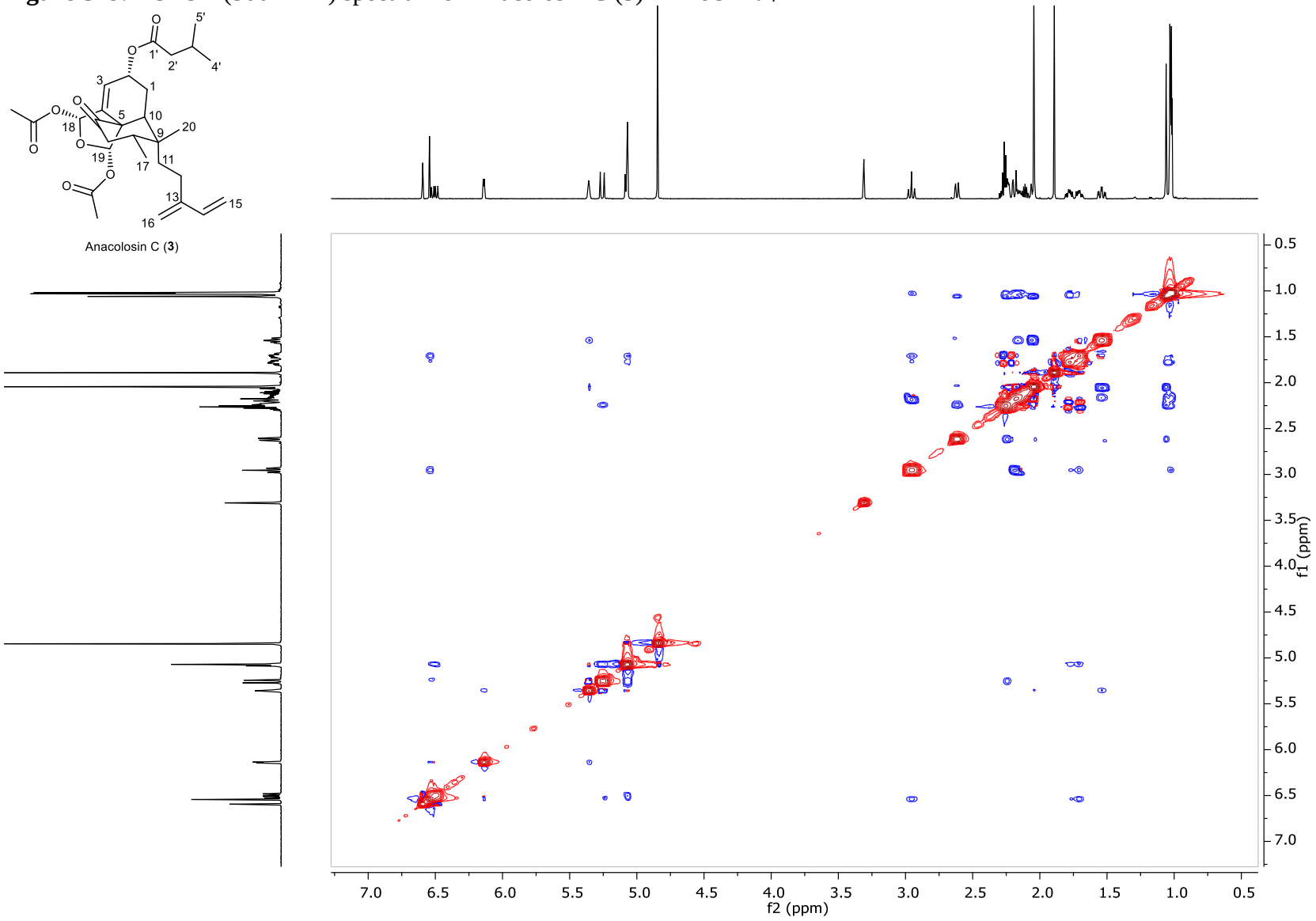


Figure S30. ROESY (500 MHz) spectrum of Anacolosin C (**3**) in $CDCl_3$

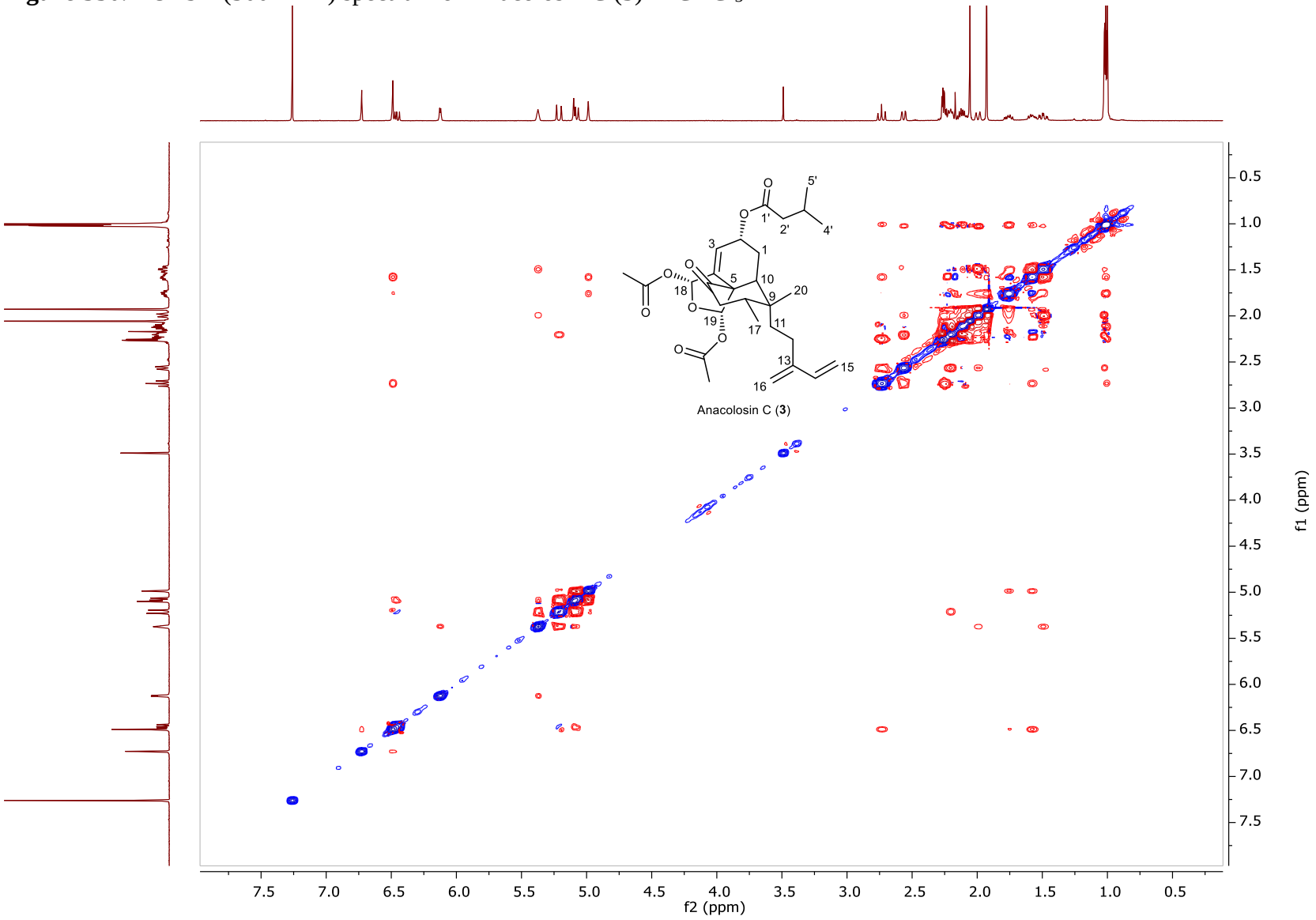


Figure S31. HRESIMS spectrum of Anacolosin C (**3**)

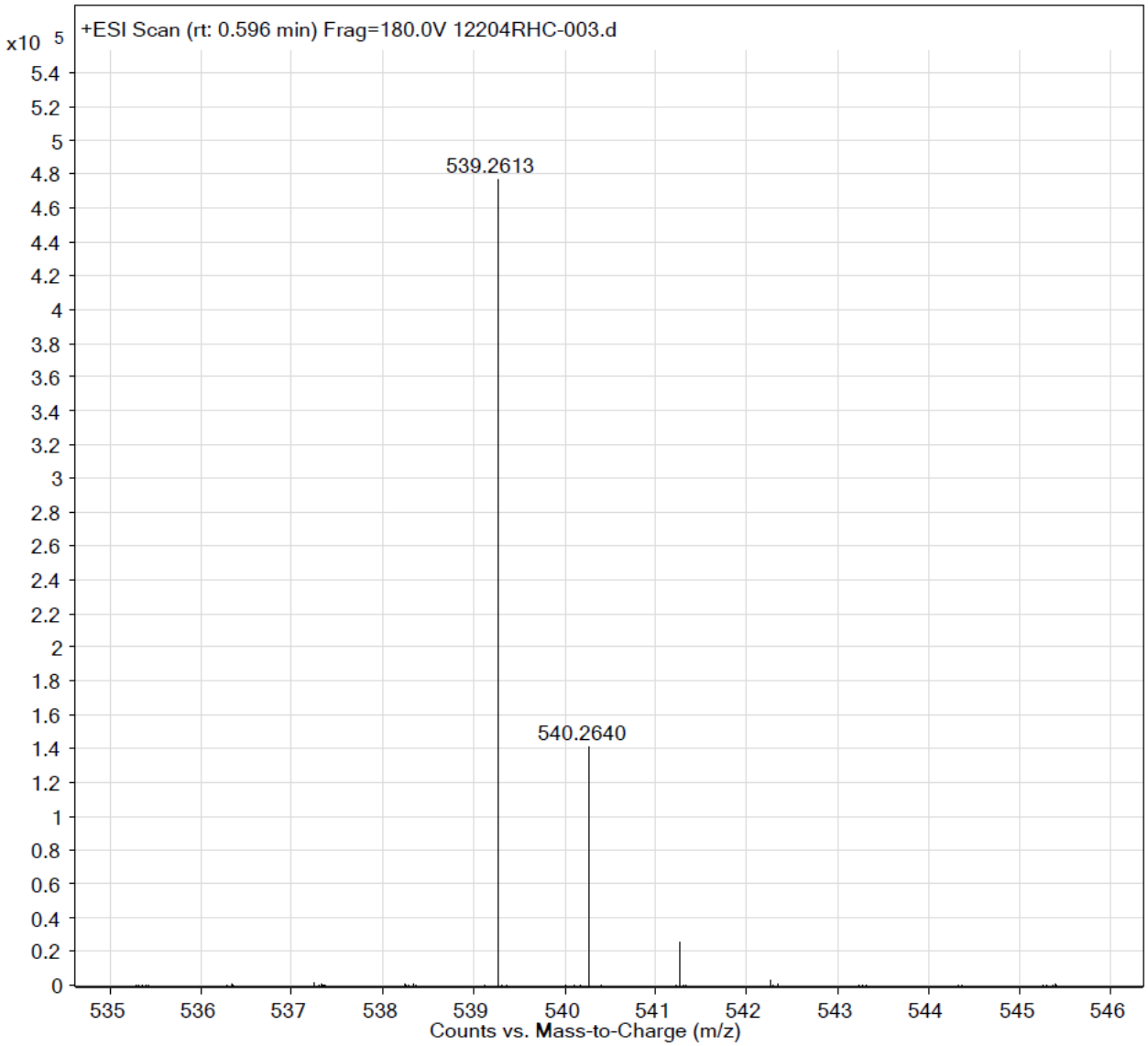


Figure S32. ^{1}H NMR (600 MHz) spectrum of Anacolosin D (**4**) in MeOH-d_4

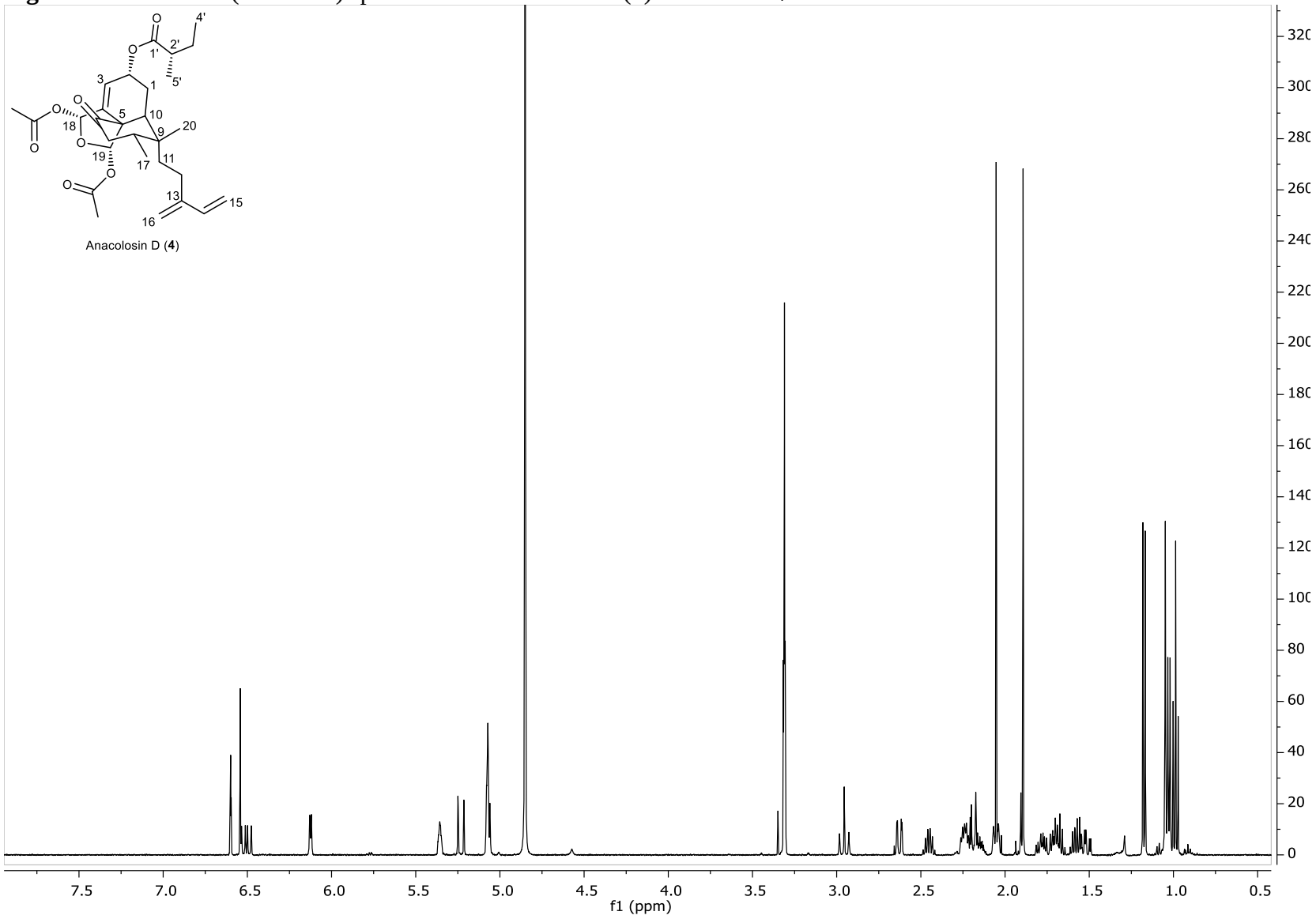


Figure S33. ^{13}C NMR (150 MHz) spectrum of Anacolosin D (**4**) in MeOH-d_4

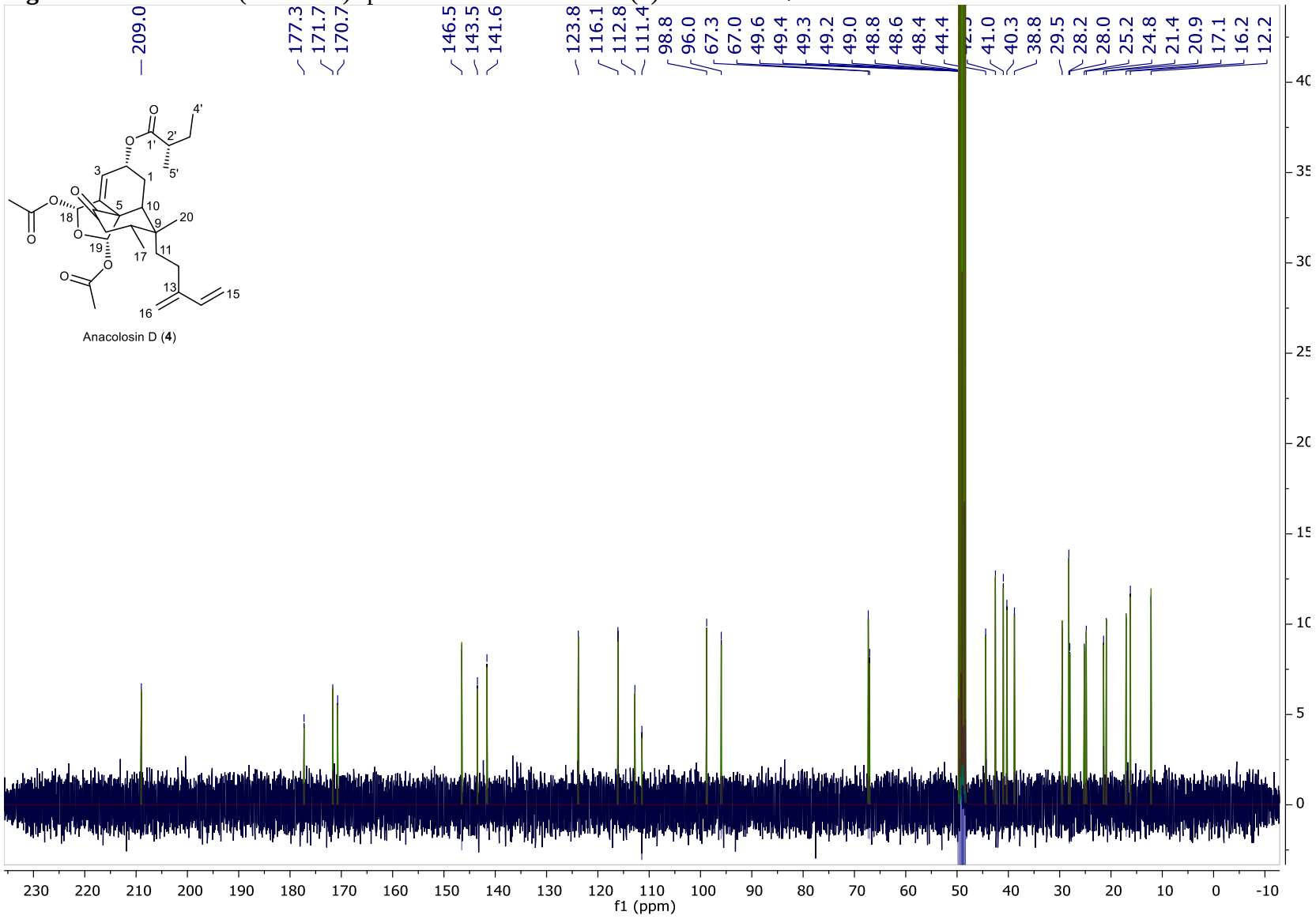


Figure S34. ^{1}H-^{1}H COSY (500 MHz) spectrum of Anacolosin D (**4**) in MeOH-d_4

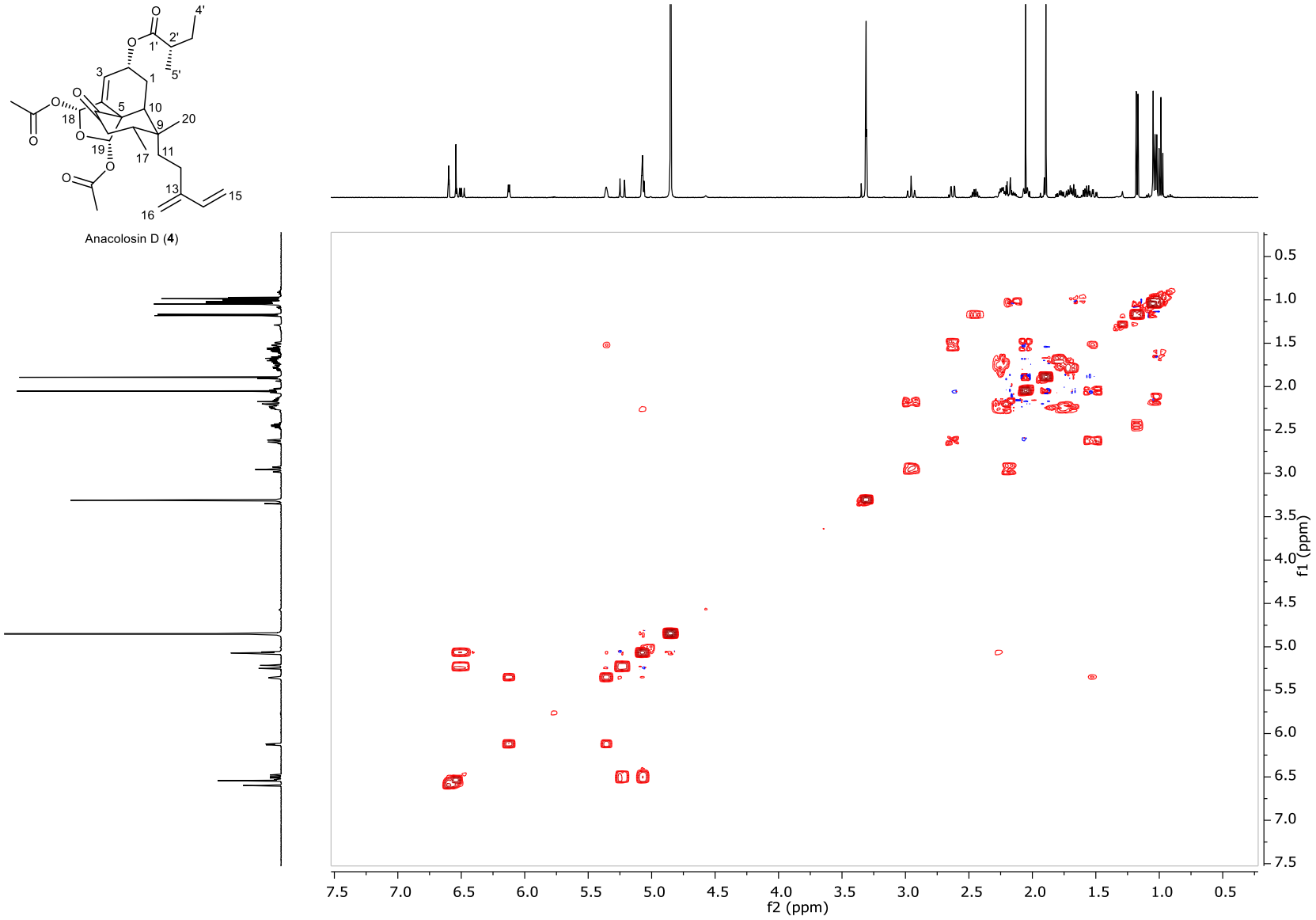


Figure S35. HSQC (500 MHz) spectrum of Anacolosin D (**4**) in MeOH-d_4

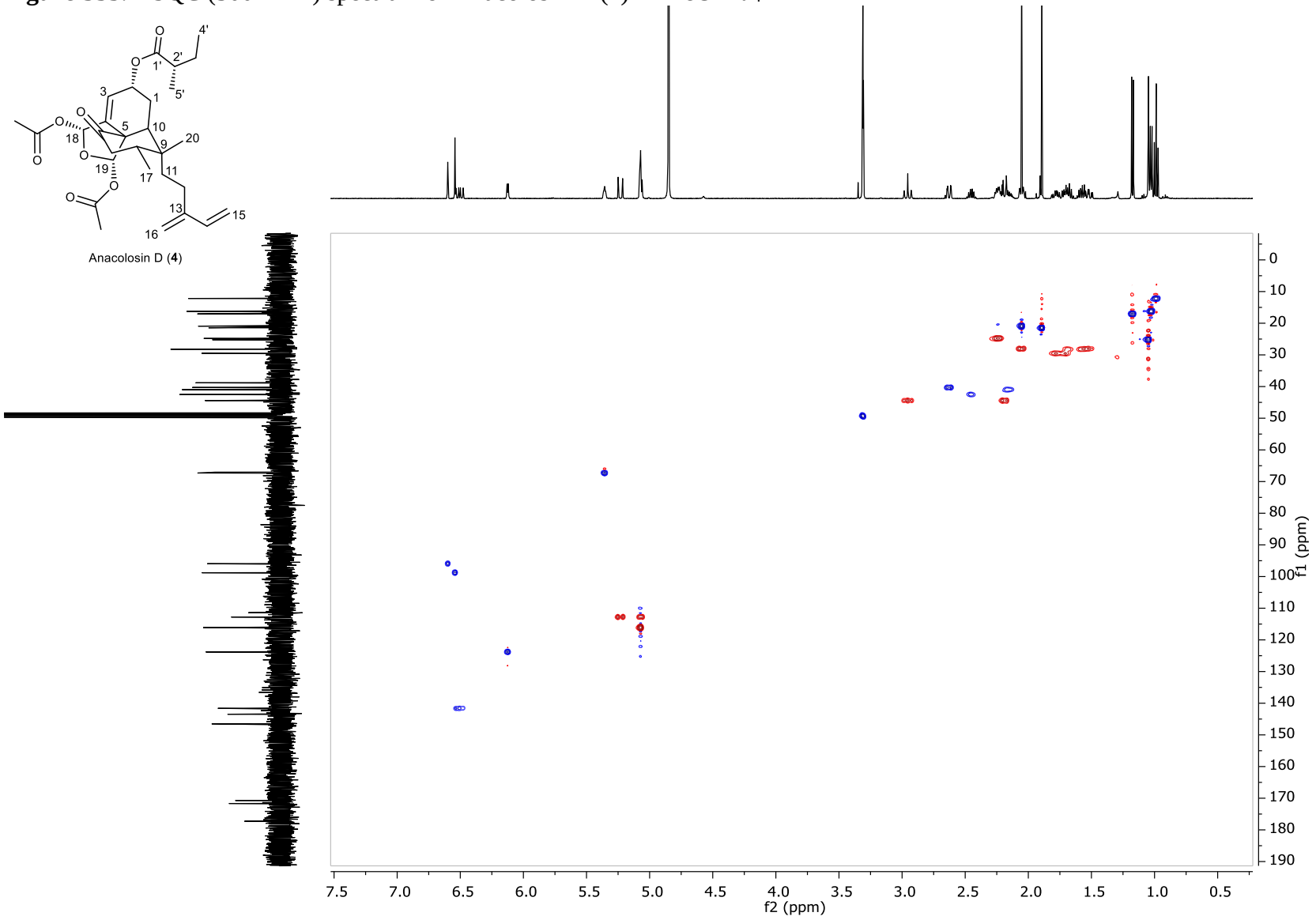


Figure S36. HMBC (500 MHz) spectrum of Anacolosin D (**4**) in MeOH-d_4

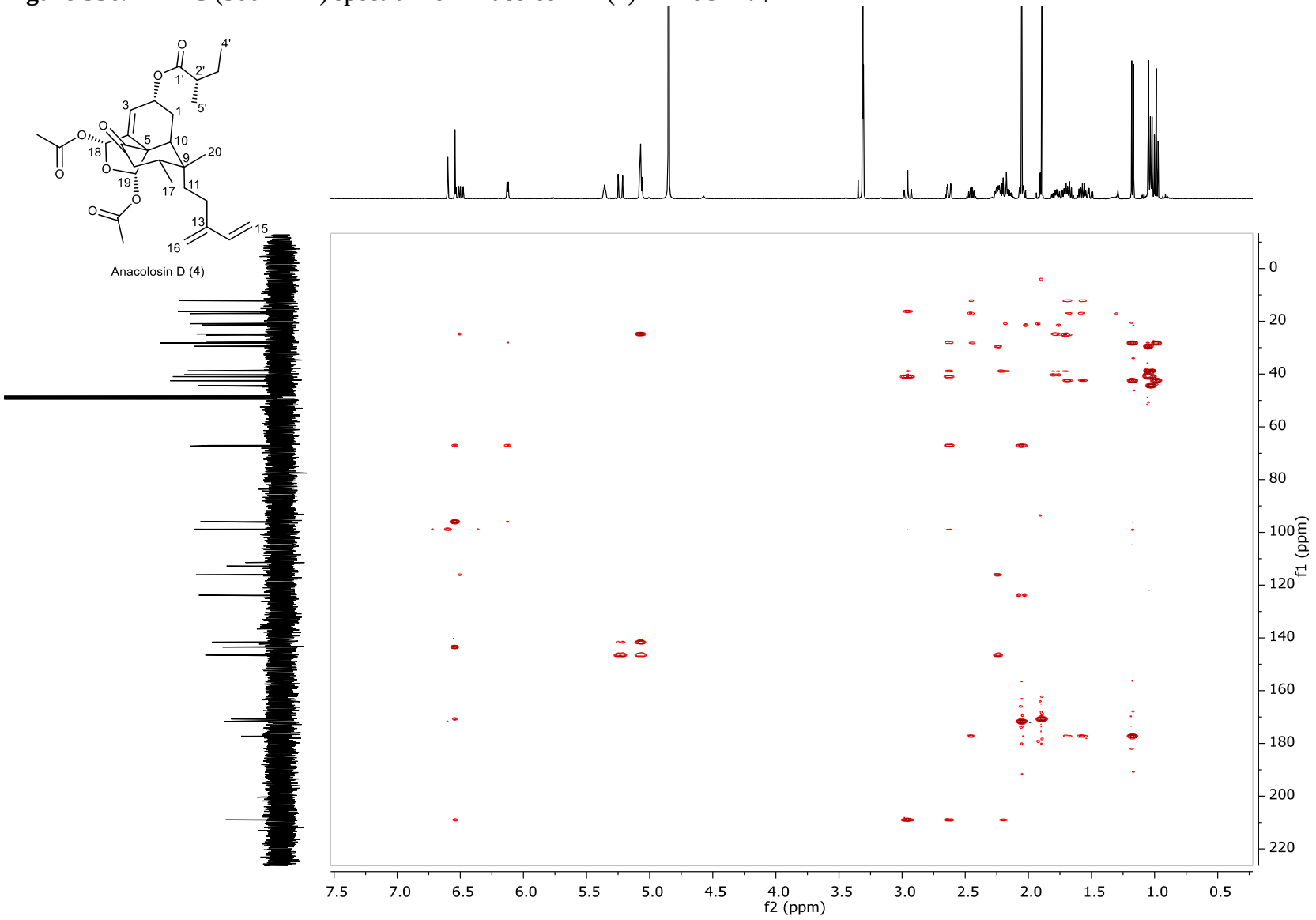


Figure S37. ROESY (500 MHz) spectrum of Anacolosin D (**4**) in MeOH-d_4

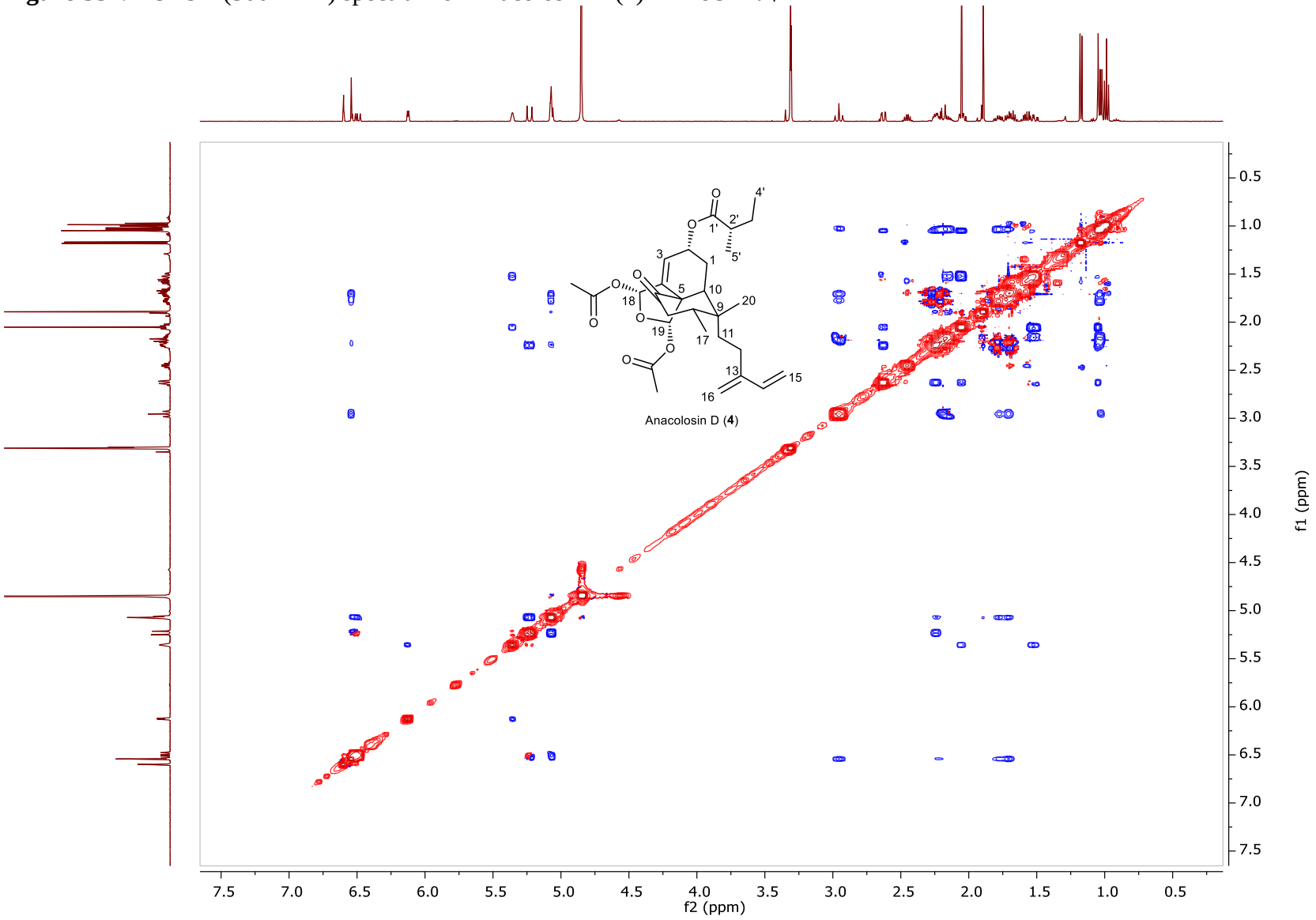


Figure S38. ROESY (500 MHz) spectrum of Anacolosin D (**4**) in $CDCl_3$

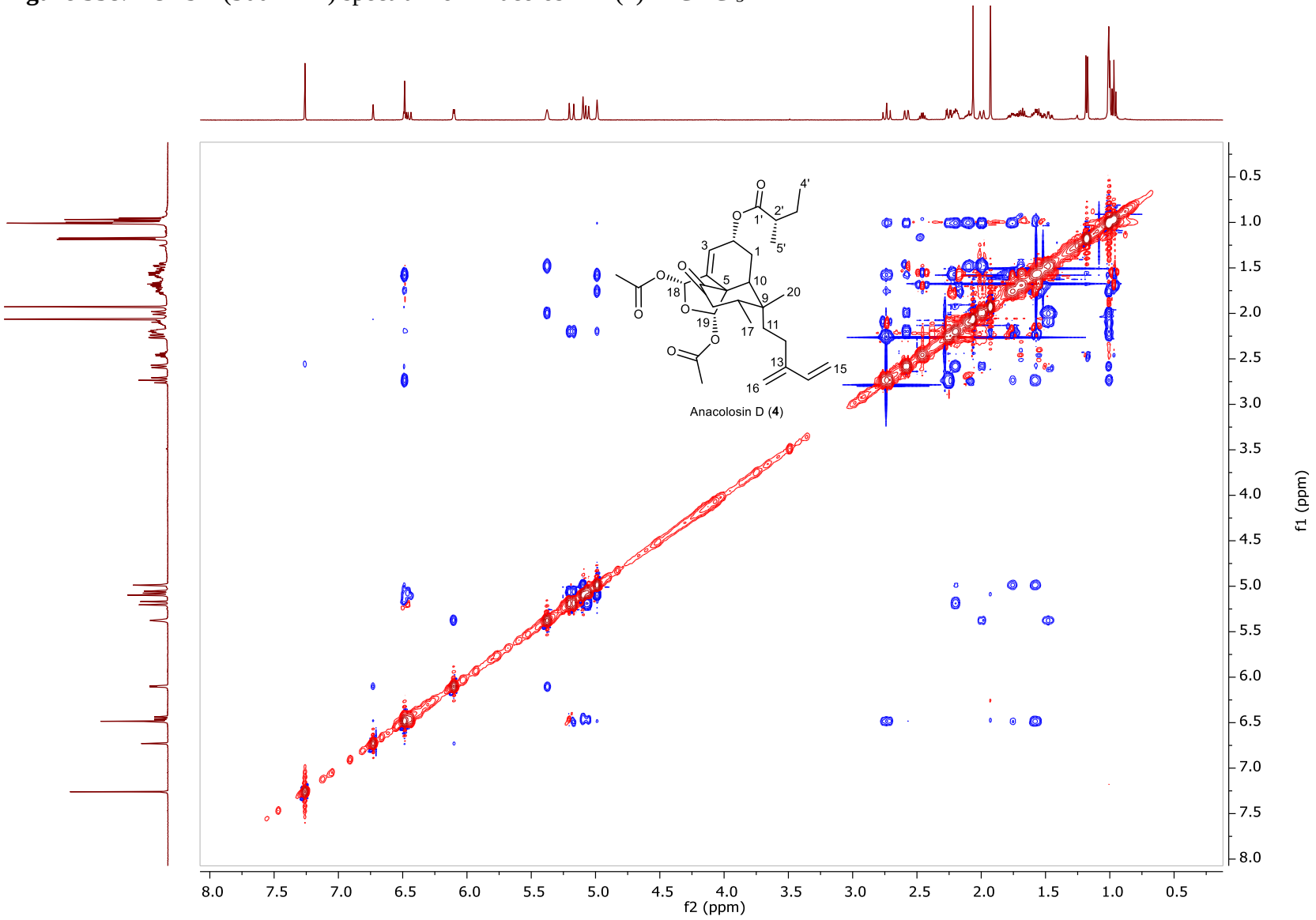


Figure S39. HRESIMS spectrum of Anacolosin D (**4**)

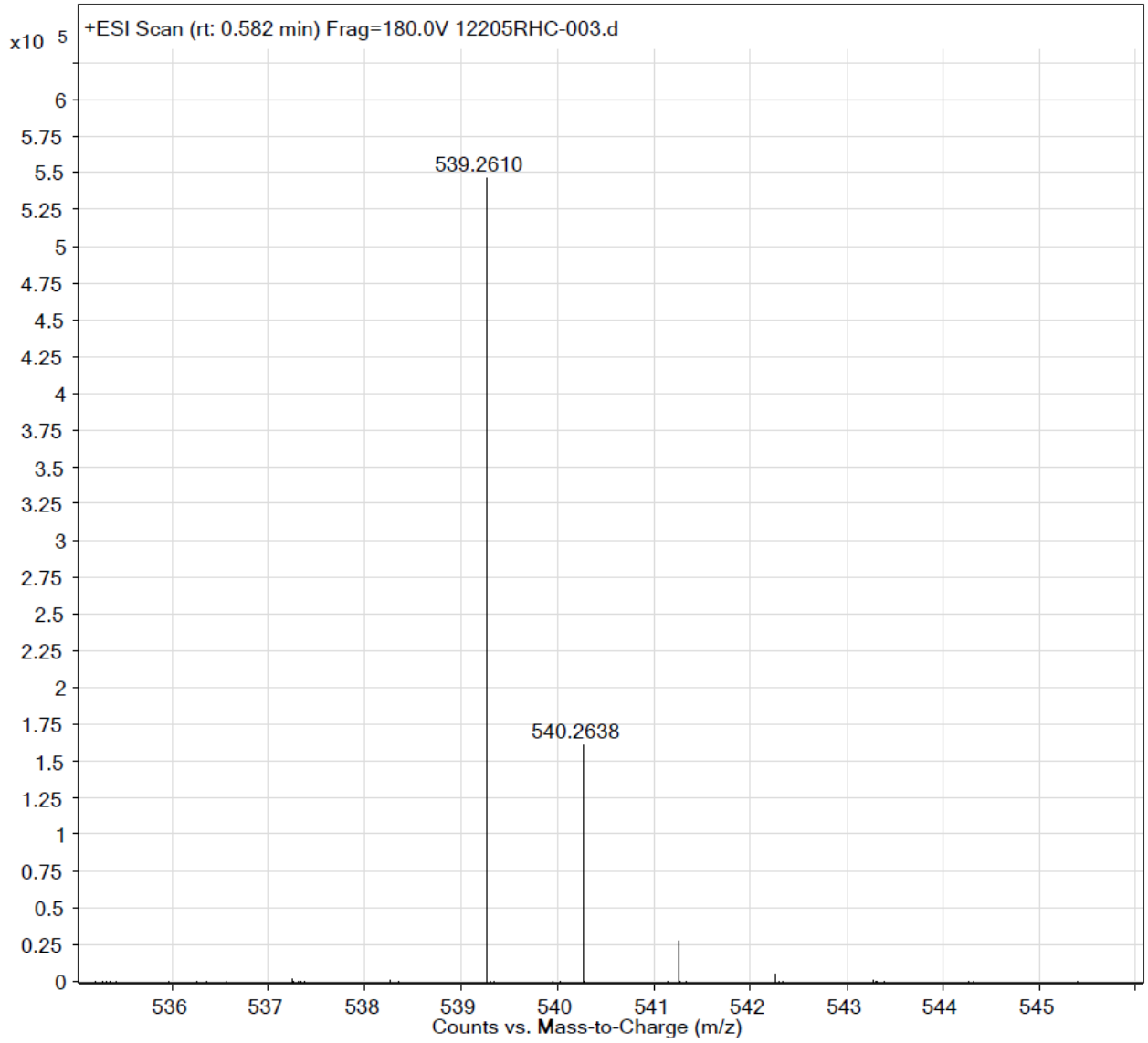


Figure S40. ^{1}H NMR (500 MHz) spectrum of Anacolosin E (**5**) in MeOH-d_4

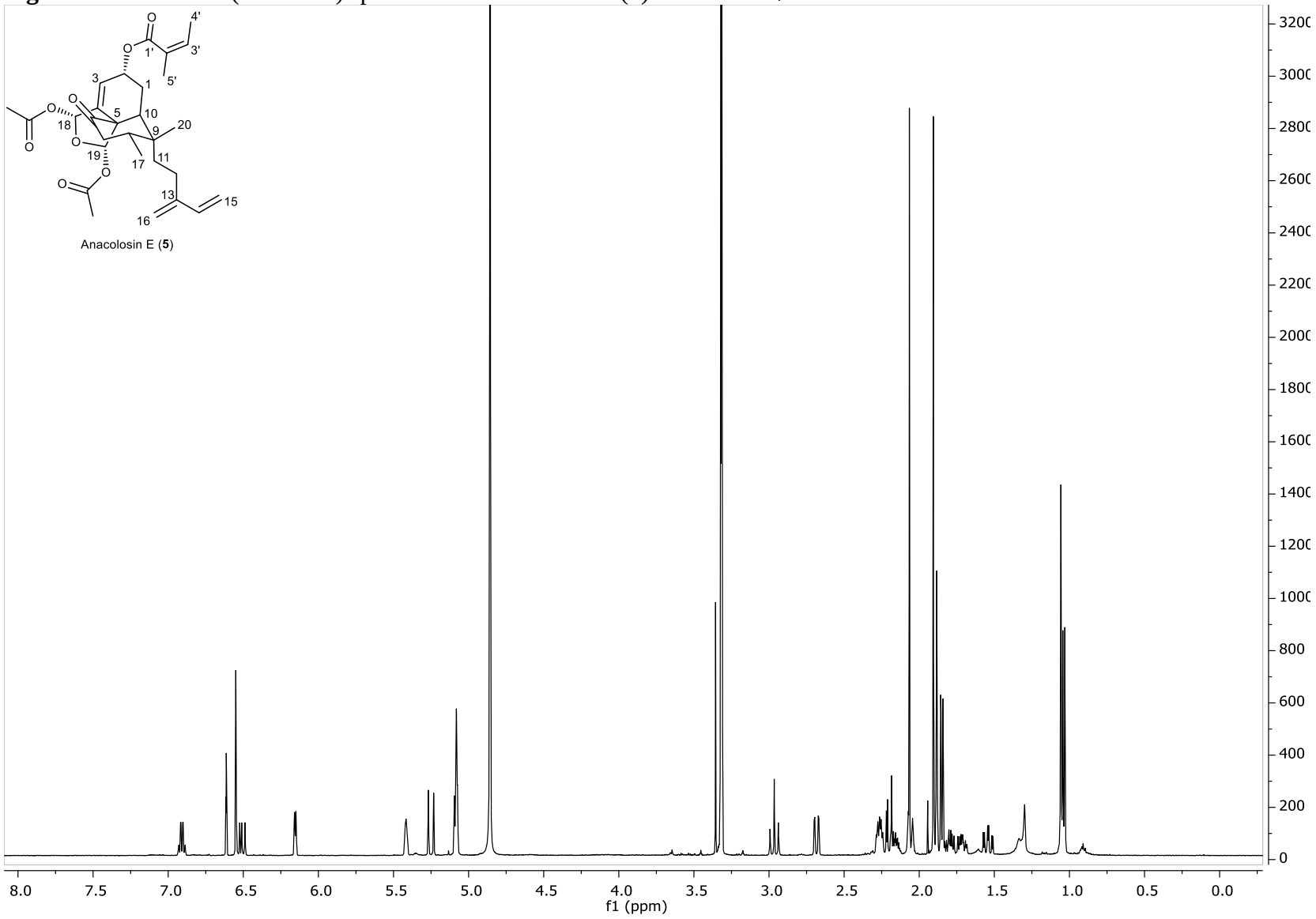


Figure S41. ^{13}C NMR (100 MHz) spectrum of Anacolosin E (**5**) in MeOH-d_4

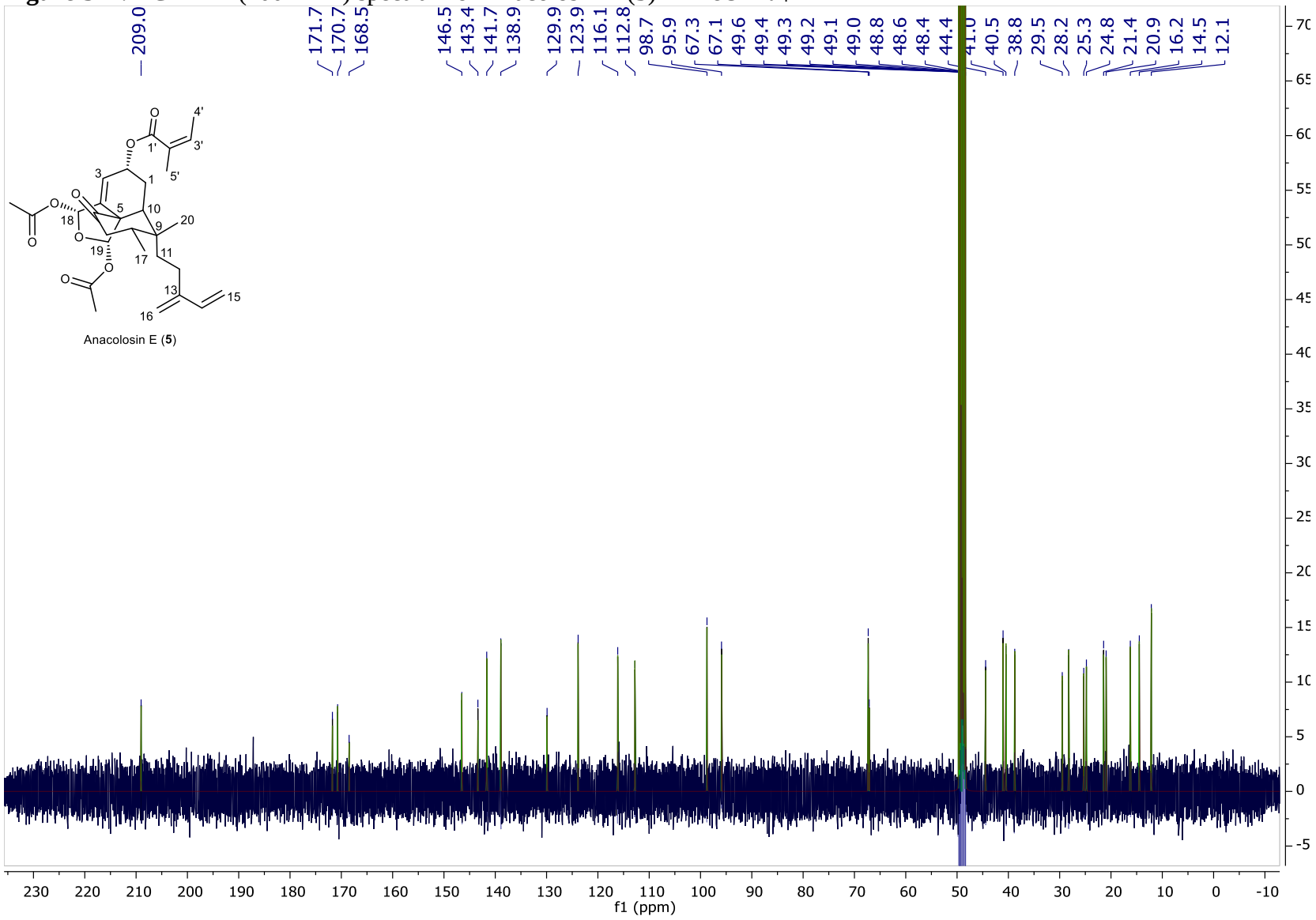


Figure S42. ^{1}H-^{1}H COSY (500 MHz) spectrum of Anacolosin E (**5**) in MeOH-d_4

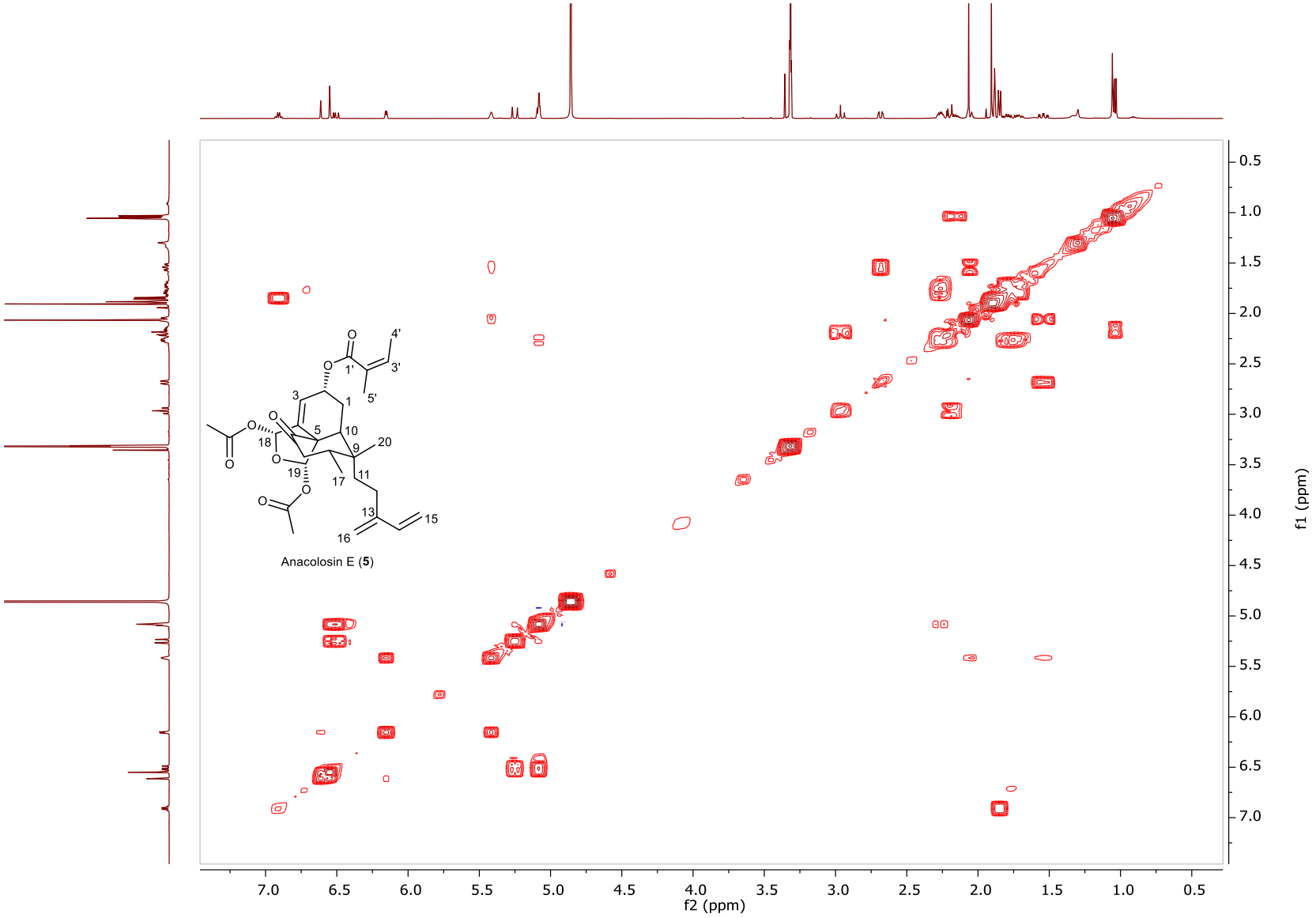


Figure S43. HSQC (500 MHz) spectrum of Anacolosin E (**5**) in MeOH-d_4

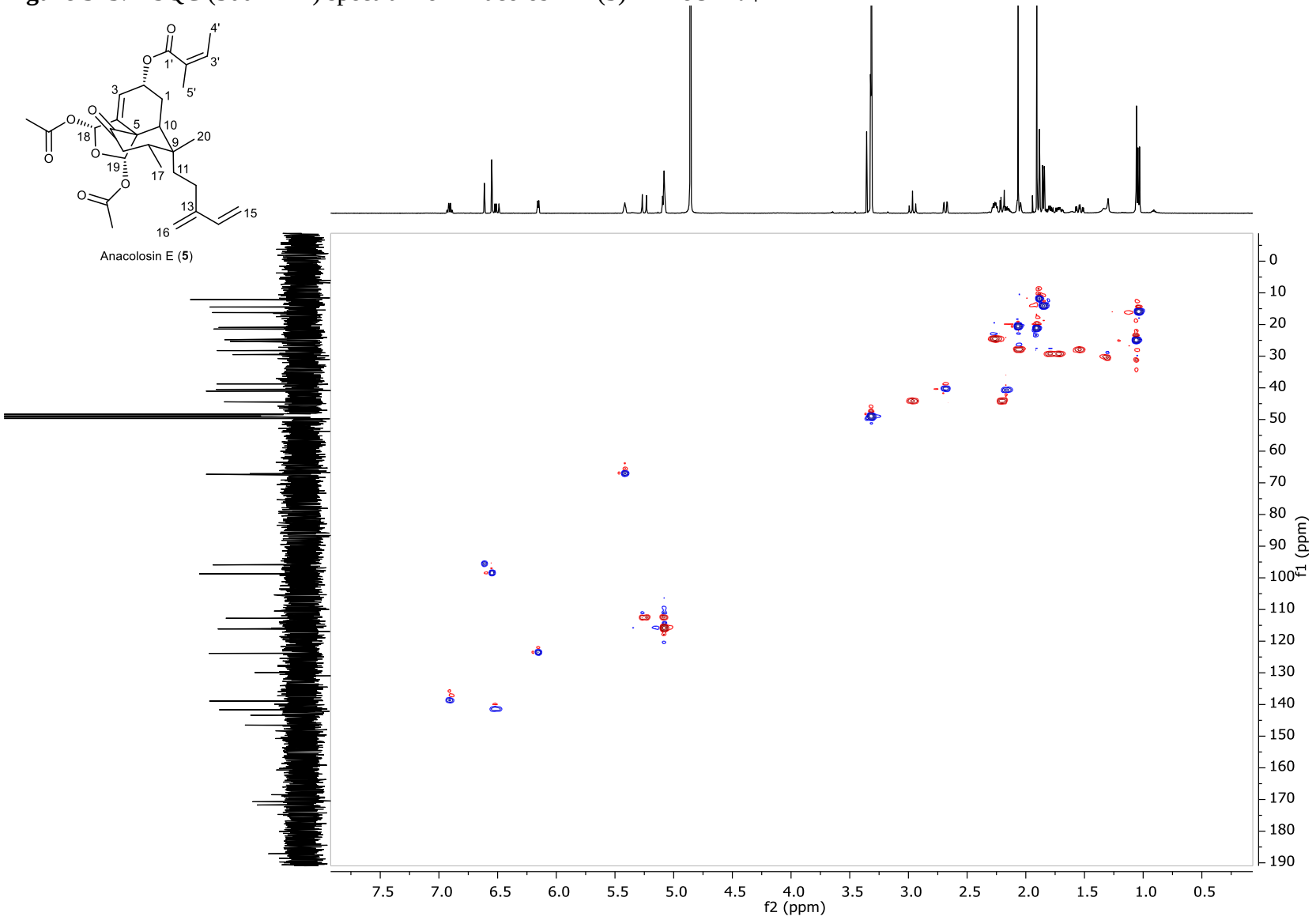


Figure S44. HMBC (500 MHz) spectrum of Anacolosin E (**5**) in MeOH-d_4

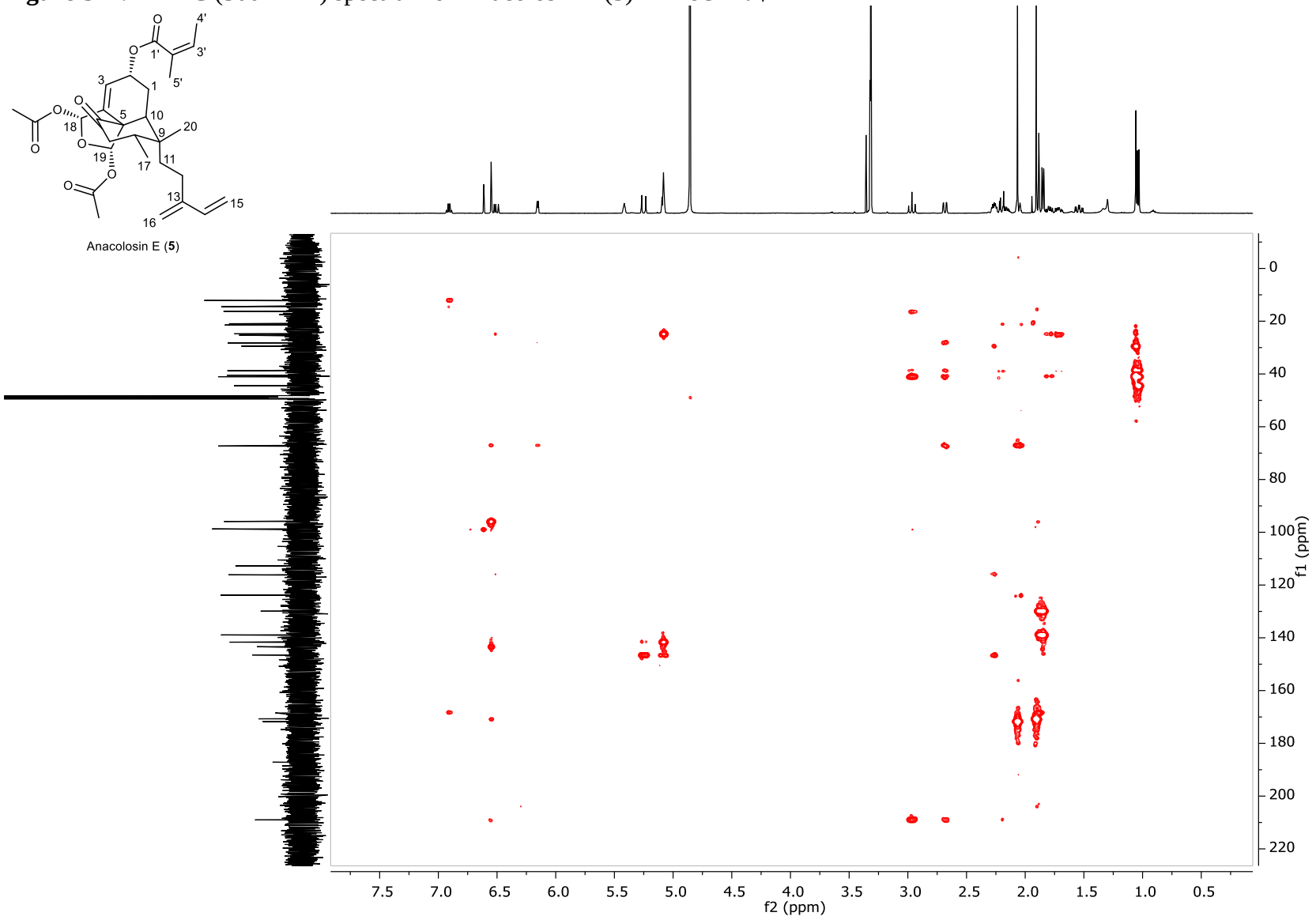


Figure S45. ROESY (500 MHz) spectrum of Anacolosin E (**5**) in MeOH-d_4

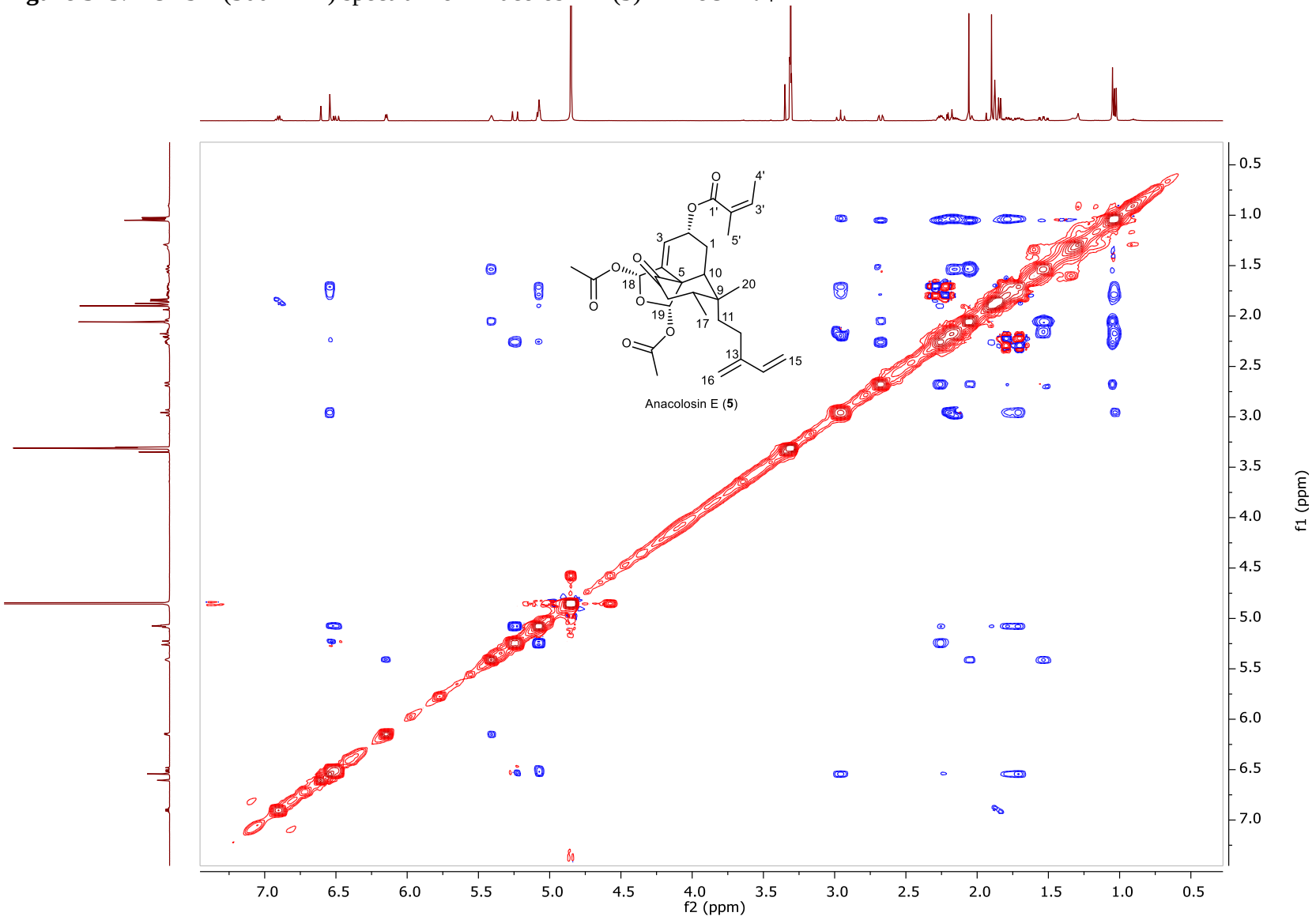


Figure S46. ROESY (500 MHz) spectrum of Anacolosin E (**5**) in $CDCl_3$

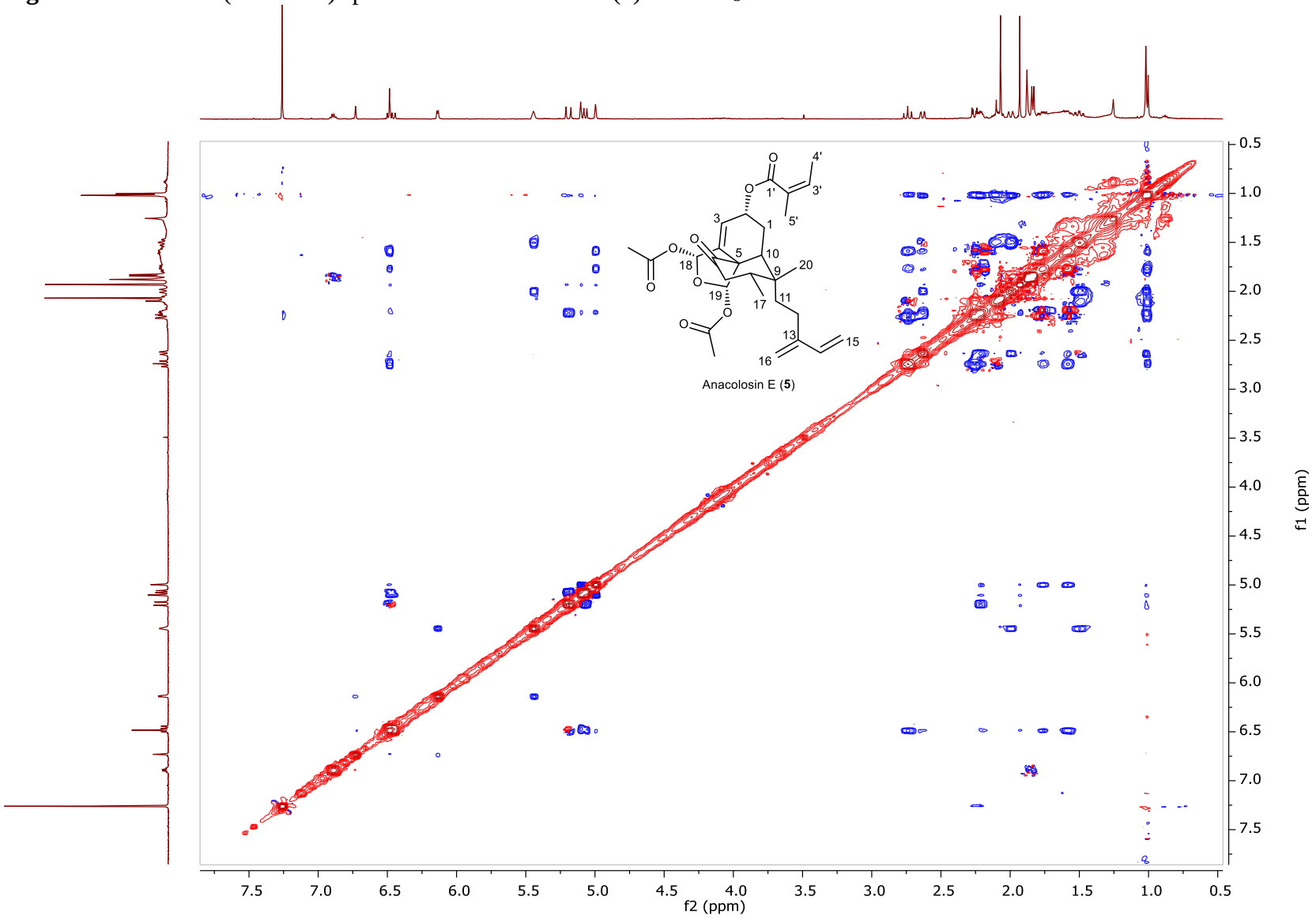


Figure S47. HRESIMS spectrum of Anacolosin E (**5**)

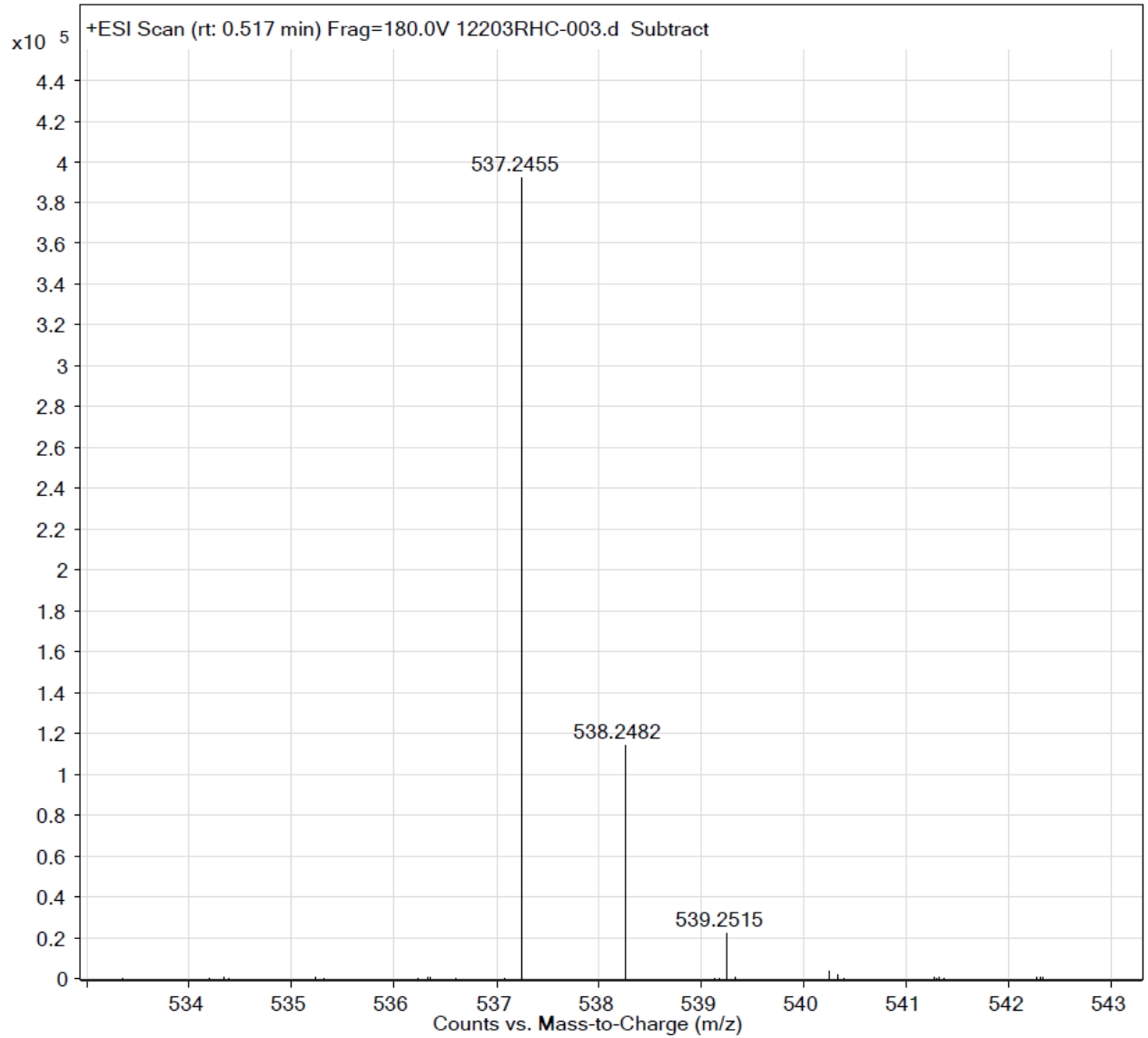


Figure S48. ^{1}H NMR (500 MHz) spectrum of Anacolosin F (**6**) in MeOH-d_4

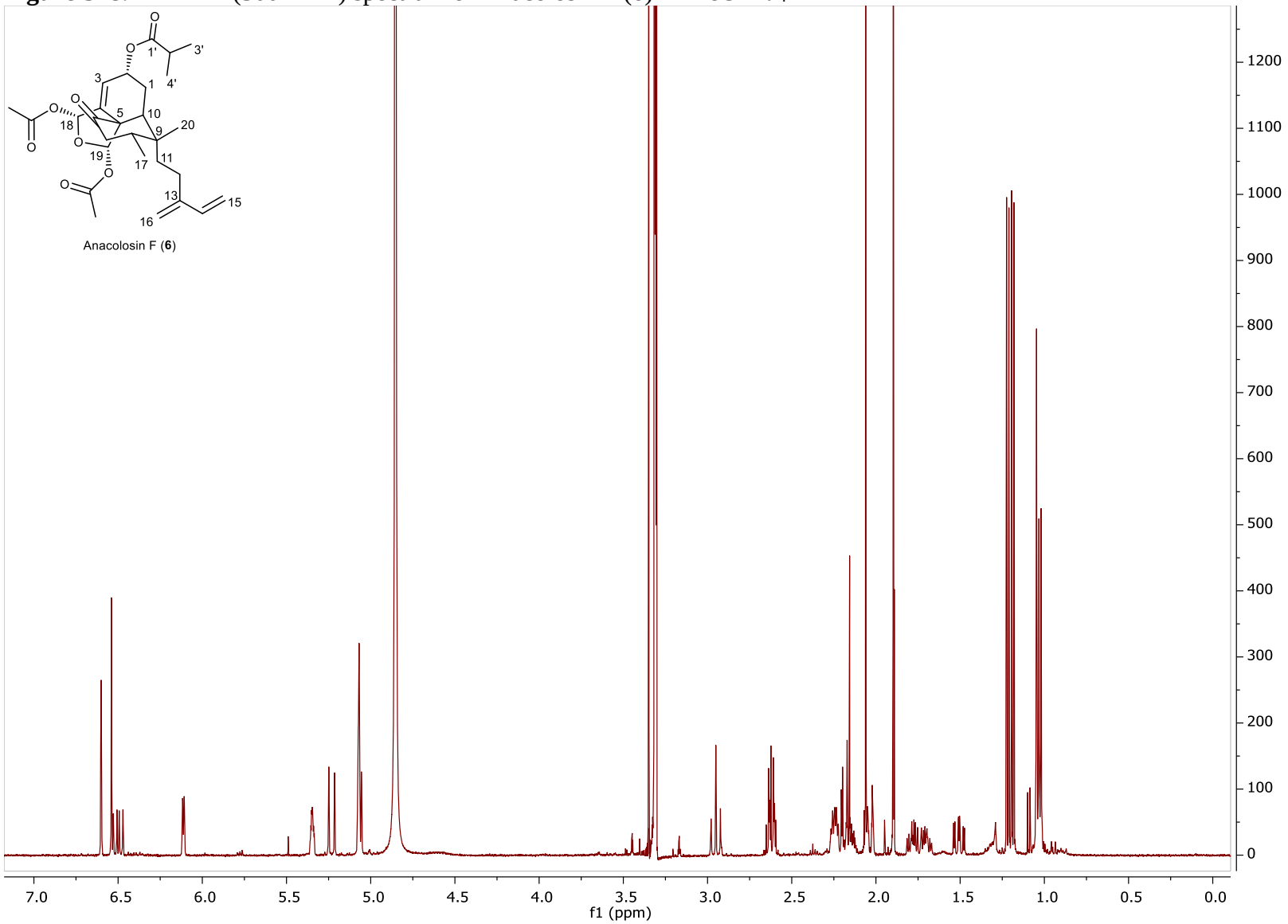


Figure S49. ^{1}H-^{1}H COSY (500 MHz) spectrum of Anacolosin F (**6**) in MeOH-d_4

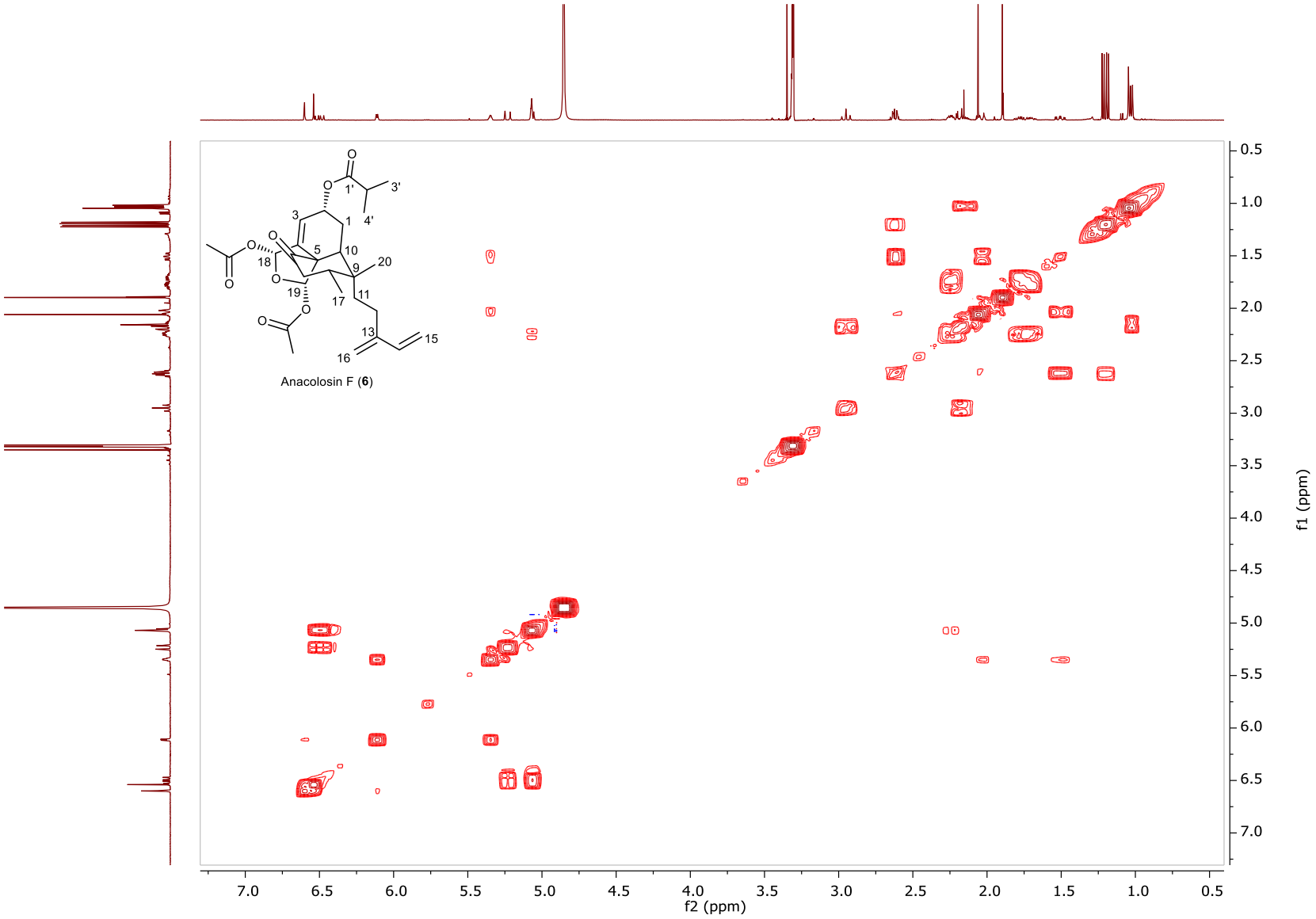


Figure S50. HSQC (500 MHz) spectrum of Anacolosin F (**6**) in MeOH-d_4

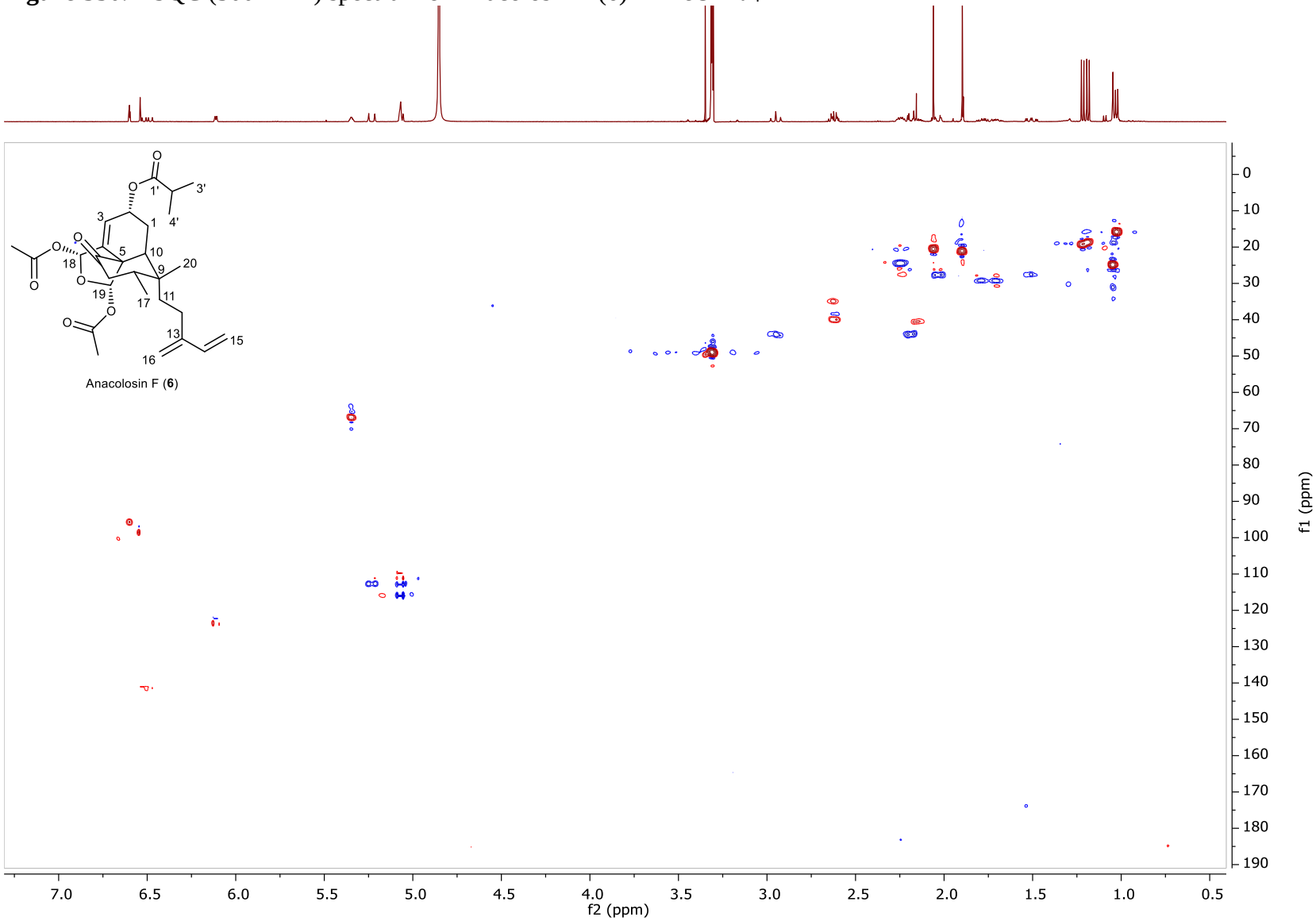


Figure S51. HMBC (500 MHz) spectrum of Anacolosin F (**6**) in MeOH-d_4

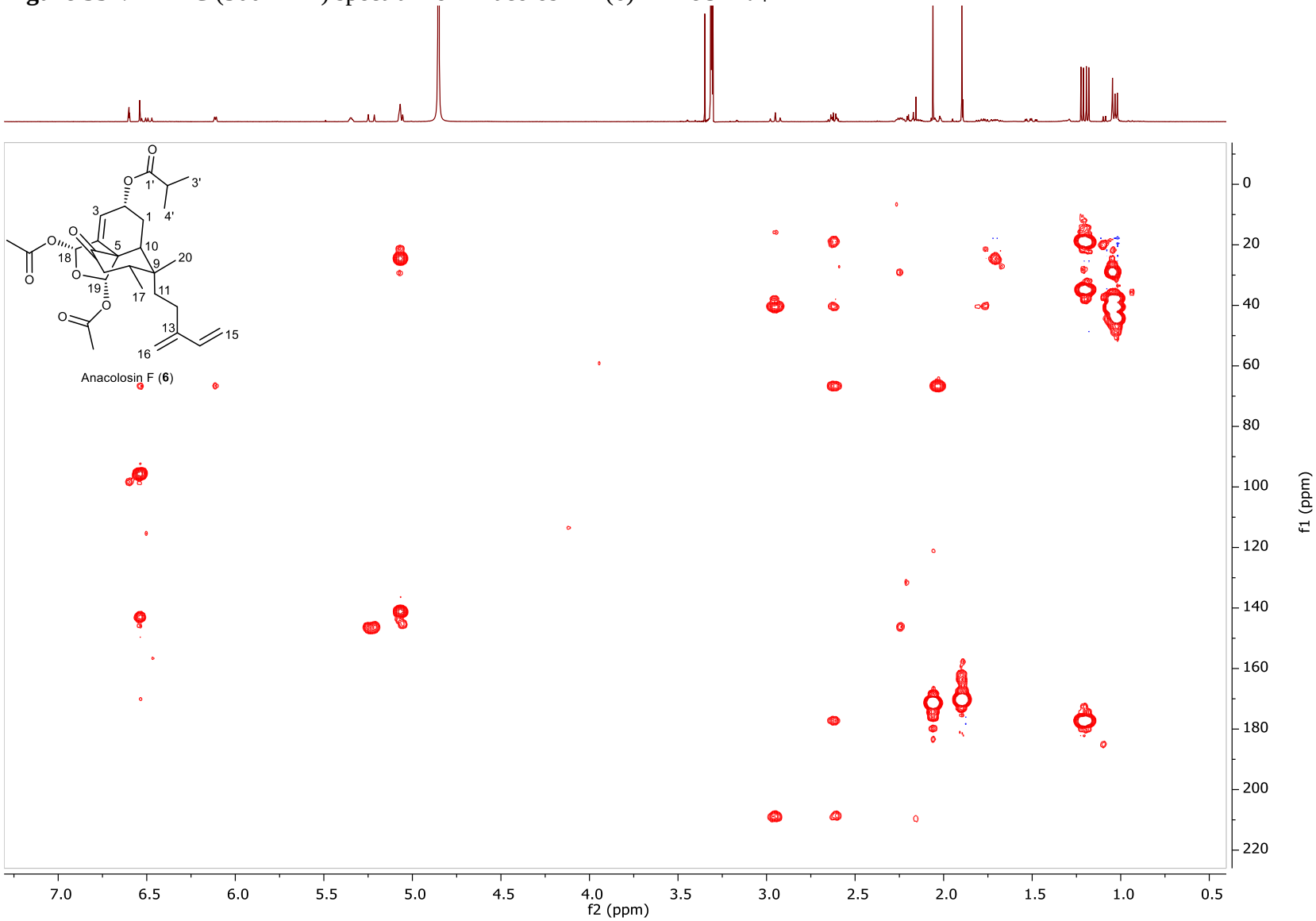


Figure S52. HRESIMS spectrum of Anacolosin F (**6**)

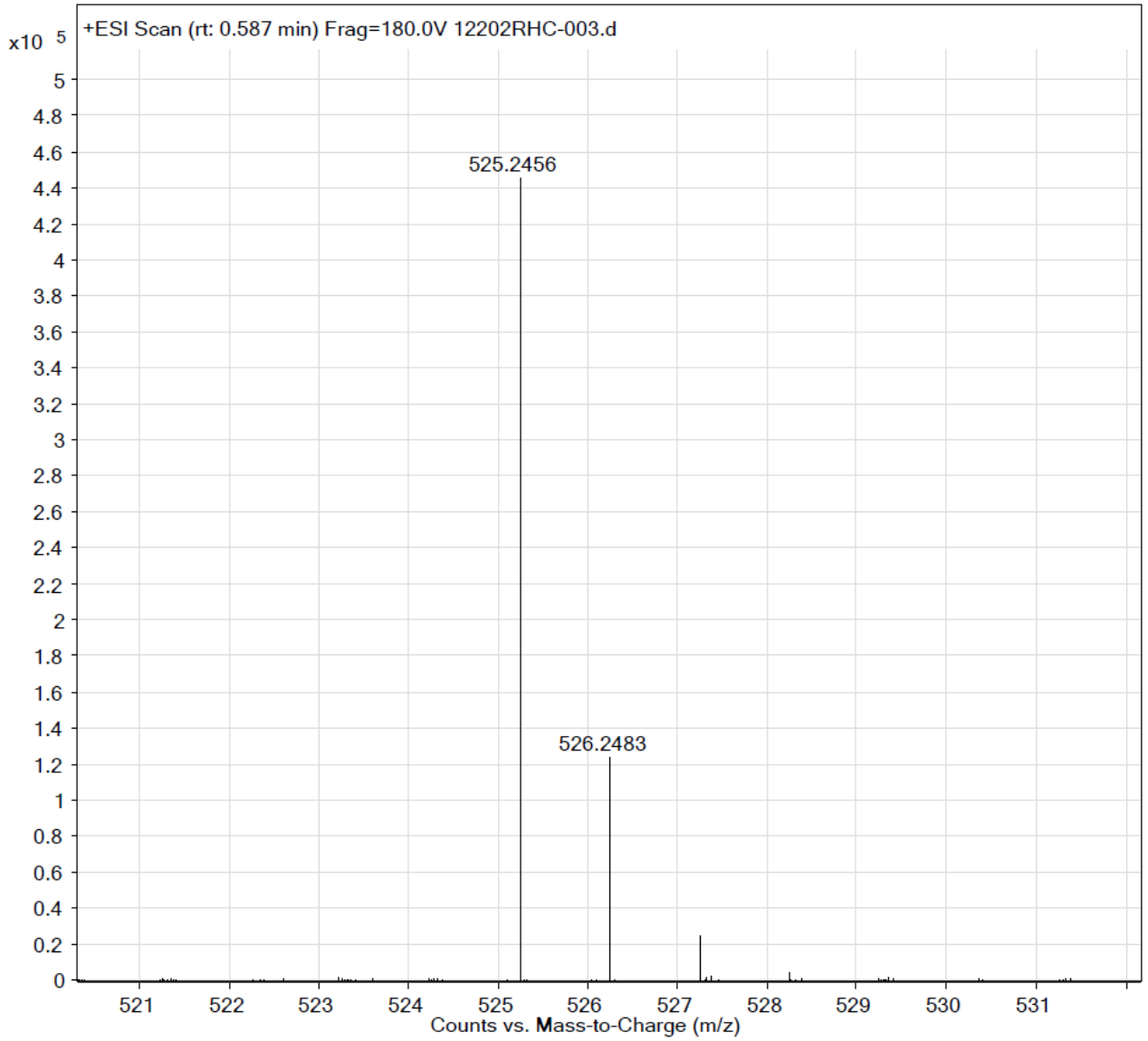


Figure S53. ^{1}H NMR (500 MHz) spectrum of Corymbulosin X (**7**) in MeOH-d_4

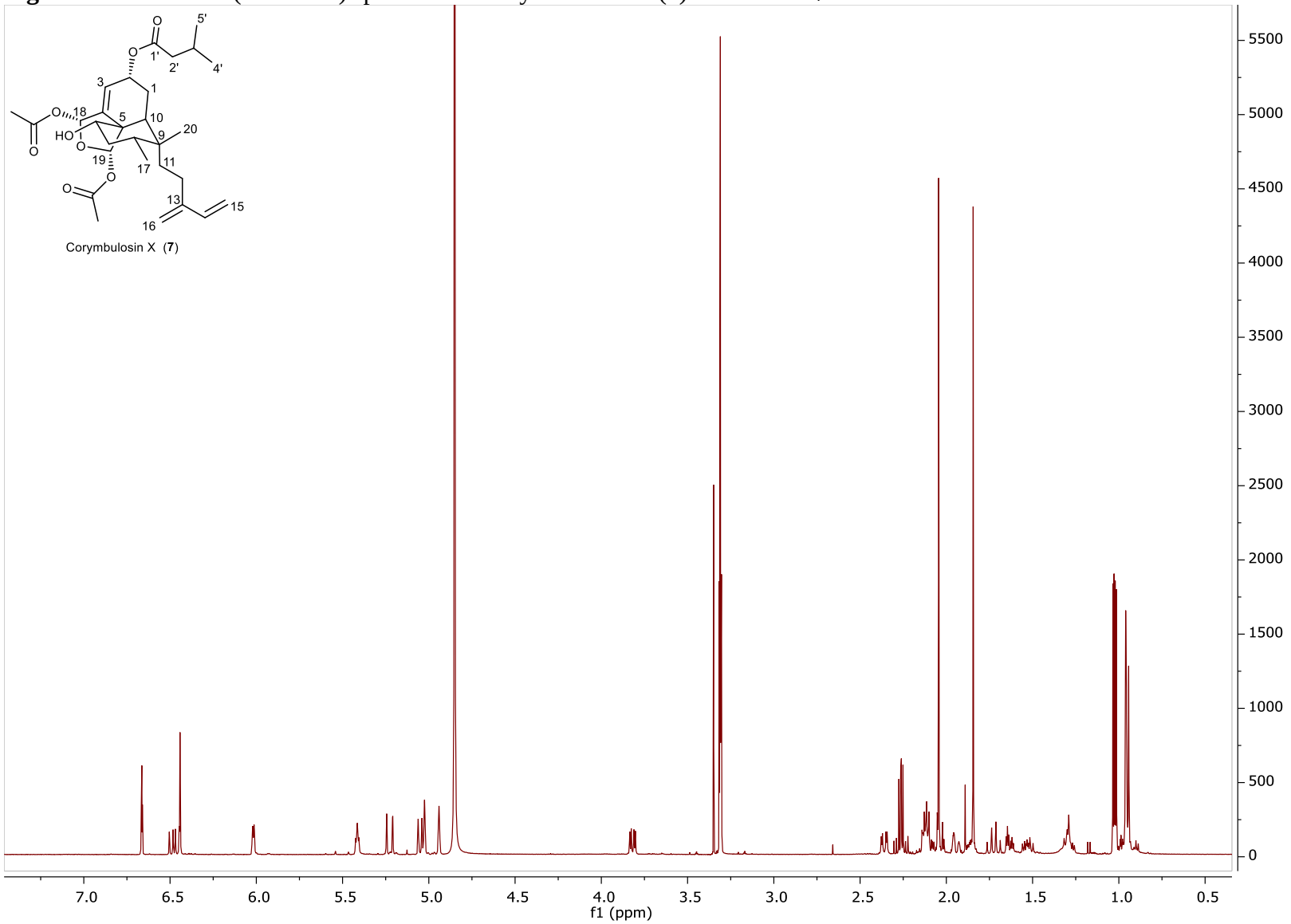


Figure S54. ^{13}C NMR (100 MHz) spectrum of Corymbulosin X (**7**) in MeOH-d_4

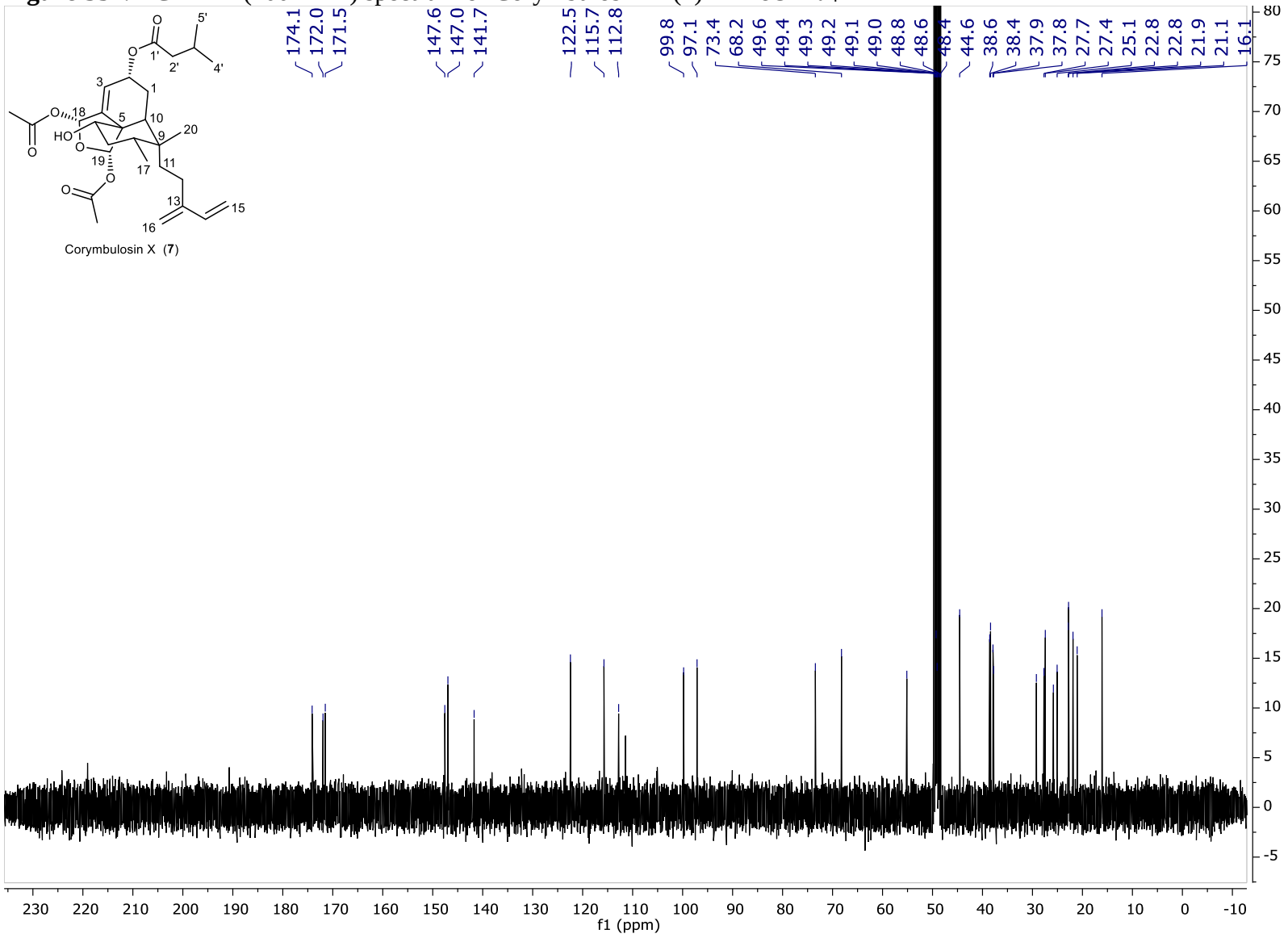


Figure S55. ^{1}H-^{1}H COSY (500 MHz) spectrum of Corymbulosin X (**7**) in MeOH-d_4

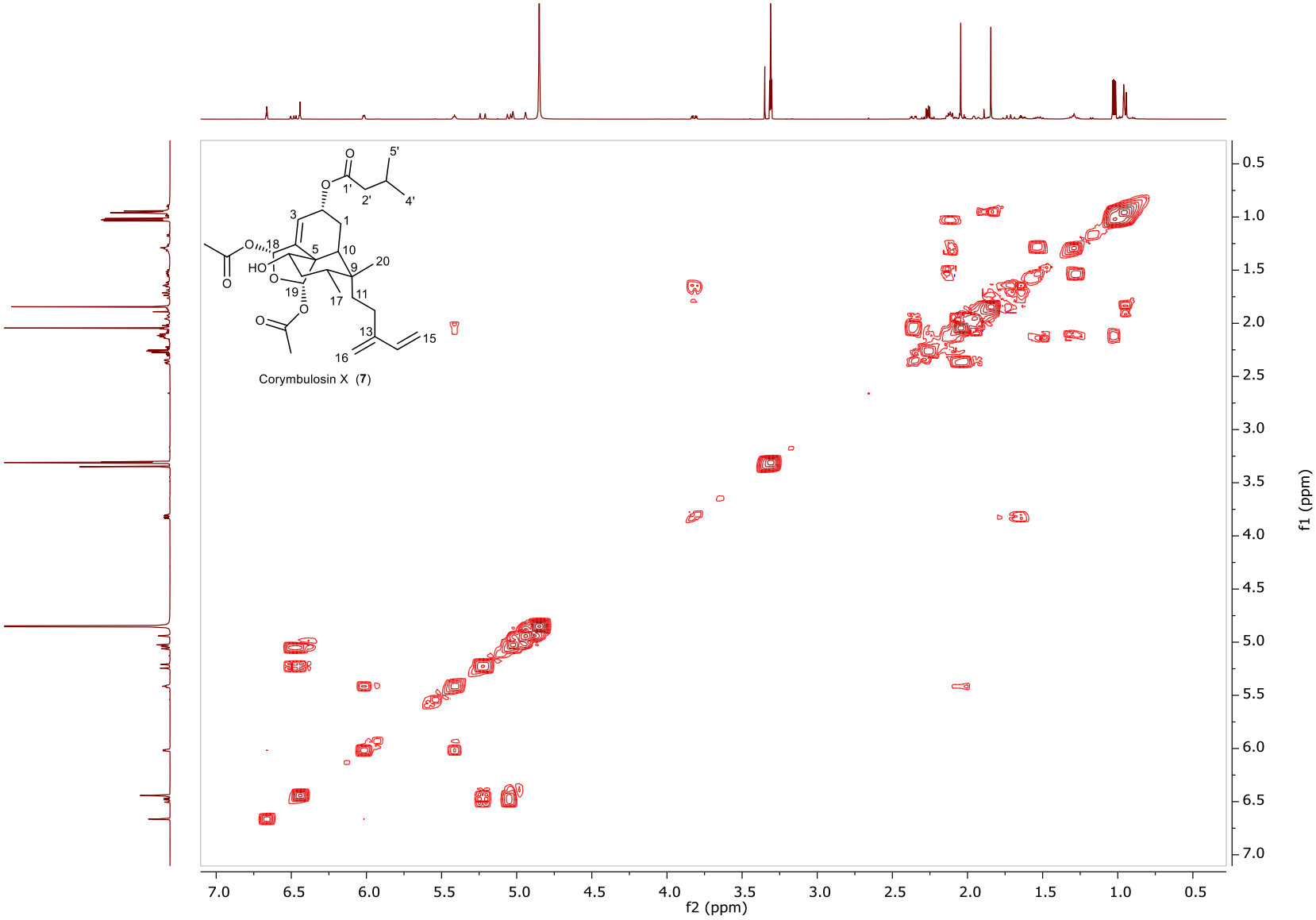


Figure S56. HSQC (500 MHz) spectrum of Corymbulosin X (**7**) in MeOH-d_4

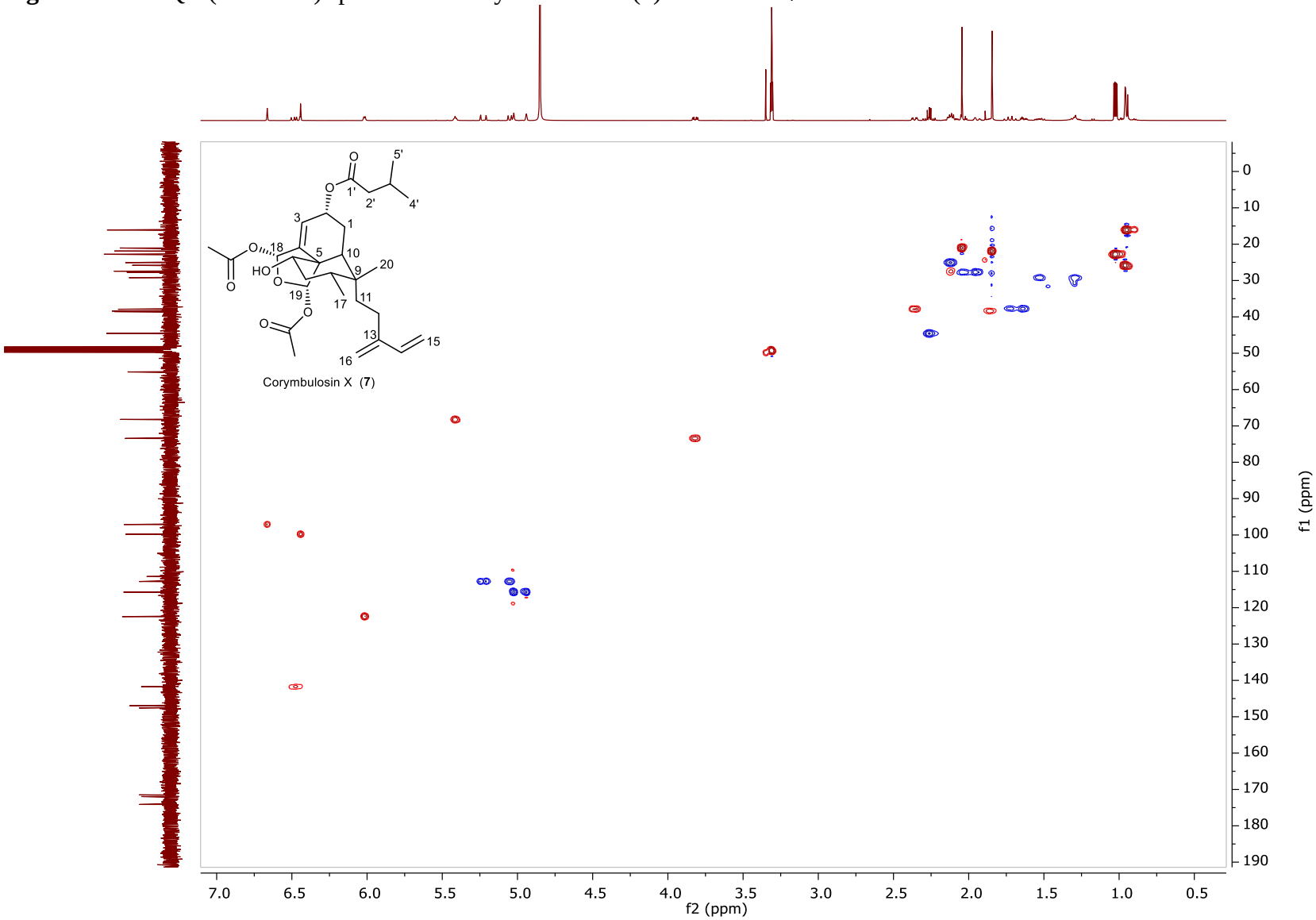


Figure S57. HMBC (500 MHz) spectrum of Corymbulosin X (**7**) in MeOH-d_4

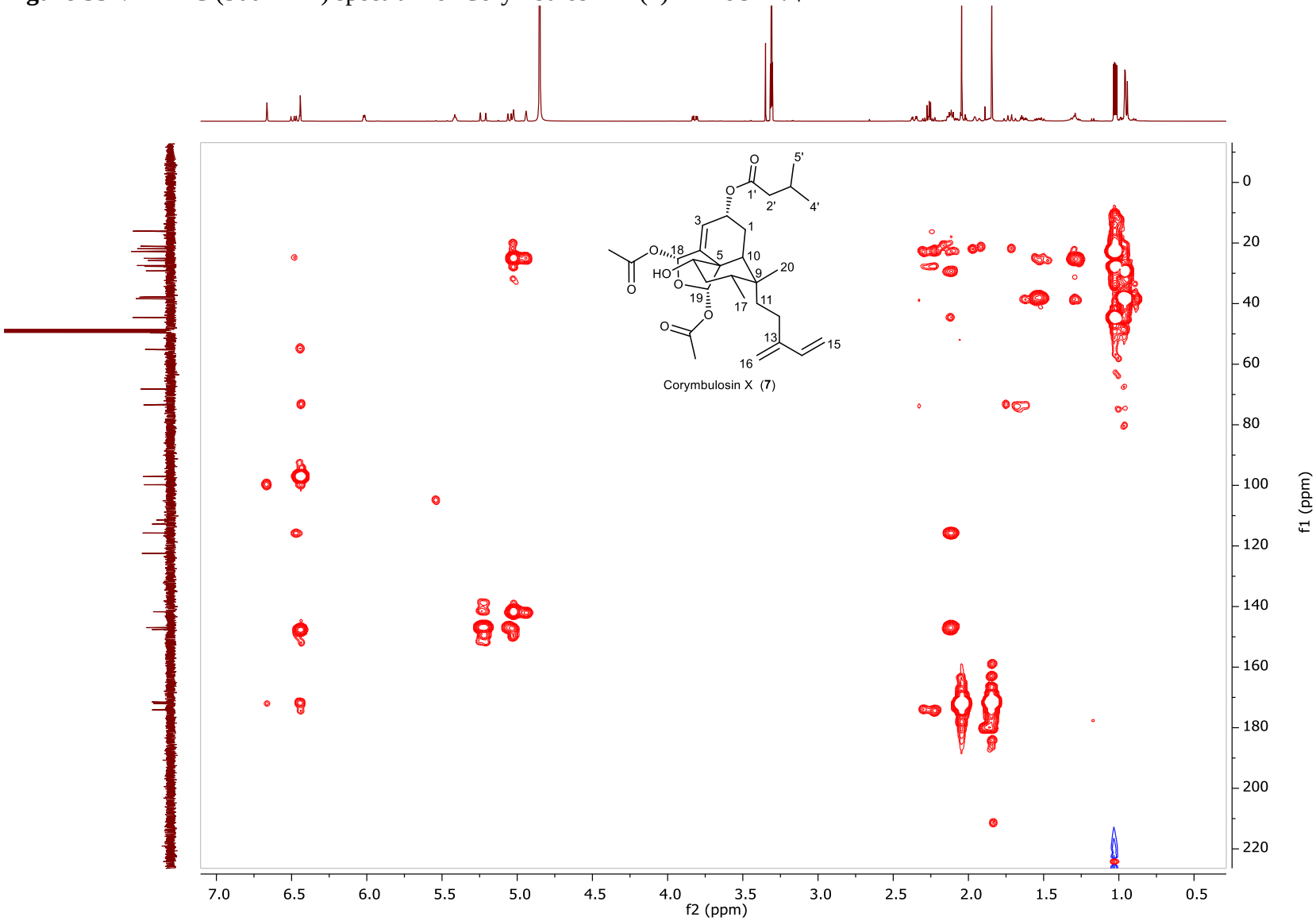


Figure S58. ROESY (500 MHz) spectrum of Corymbulosin X (**7**) in MeOH-d_4

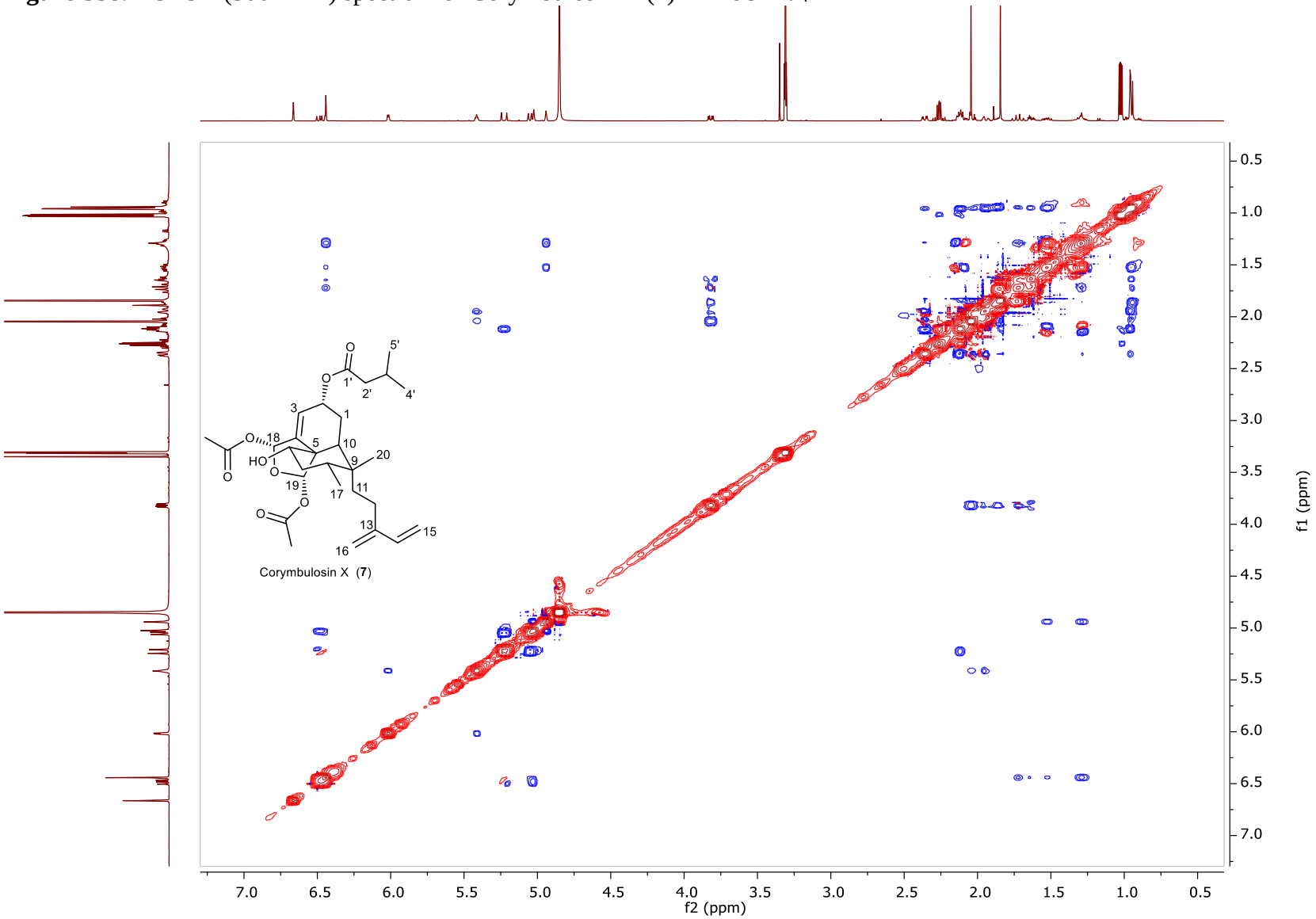


Figure S59. HRESIMS spectrum of Corymbulosin X (**7**)

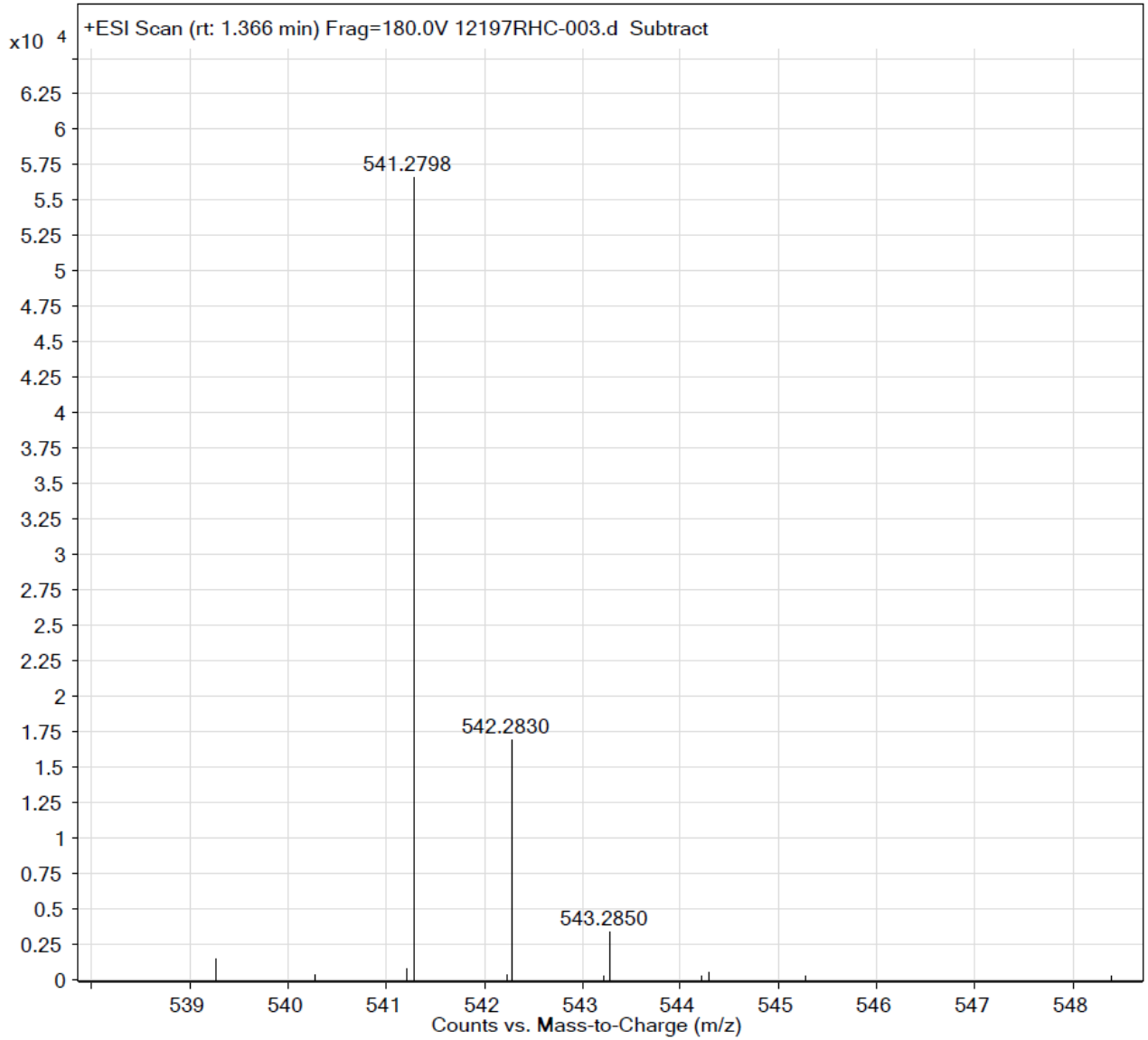


Figure S60. ^{1}H NMR (500 MHz) spectrum of Corymbulosin Y (**8**) in MeOH-d_4

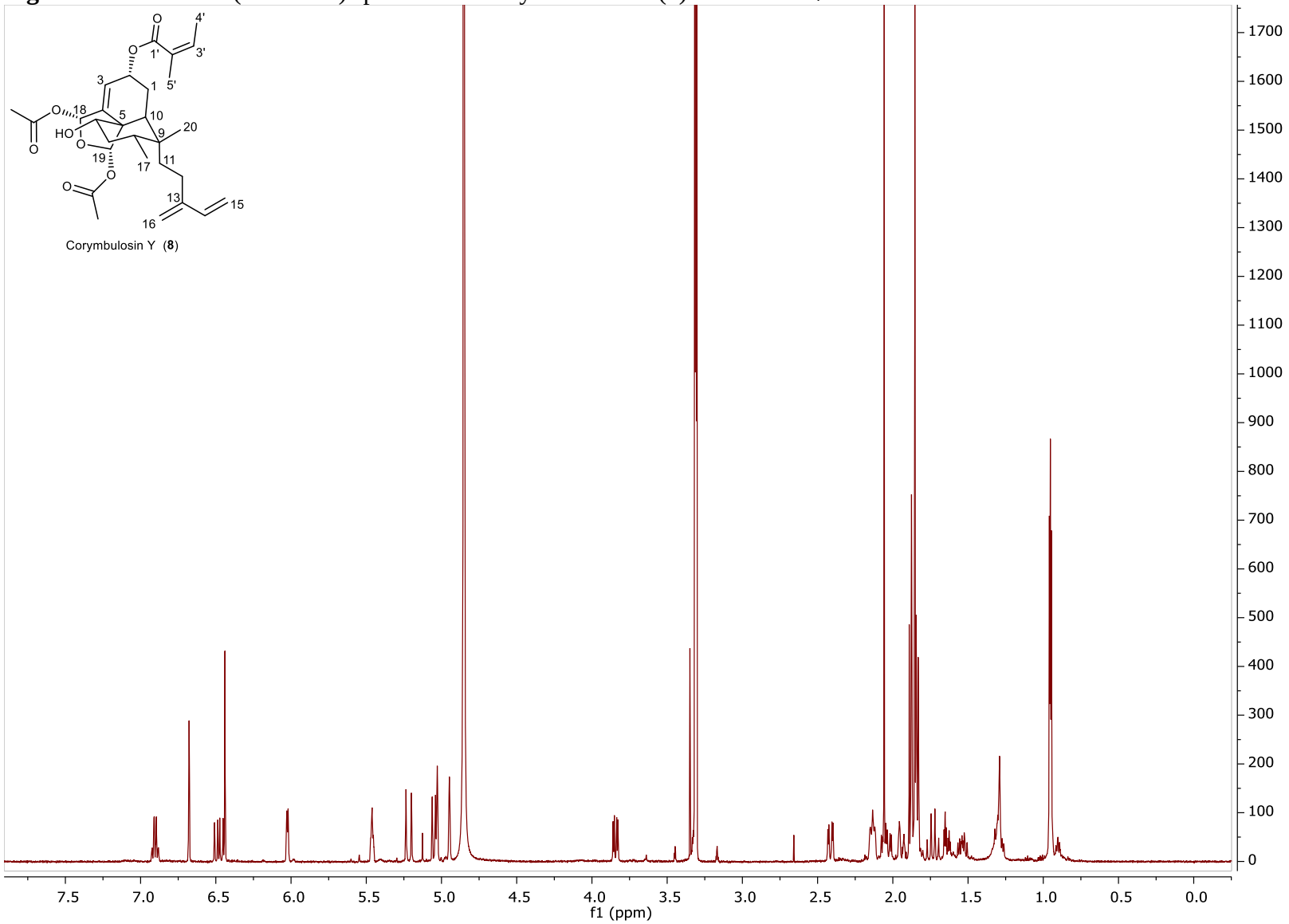


Figure S61. ^{1}H-^{1}H COSY (500 MHz) spectrum of Corymbulosin Y (**8**) in MeOH-d_4

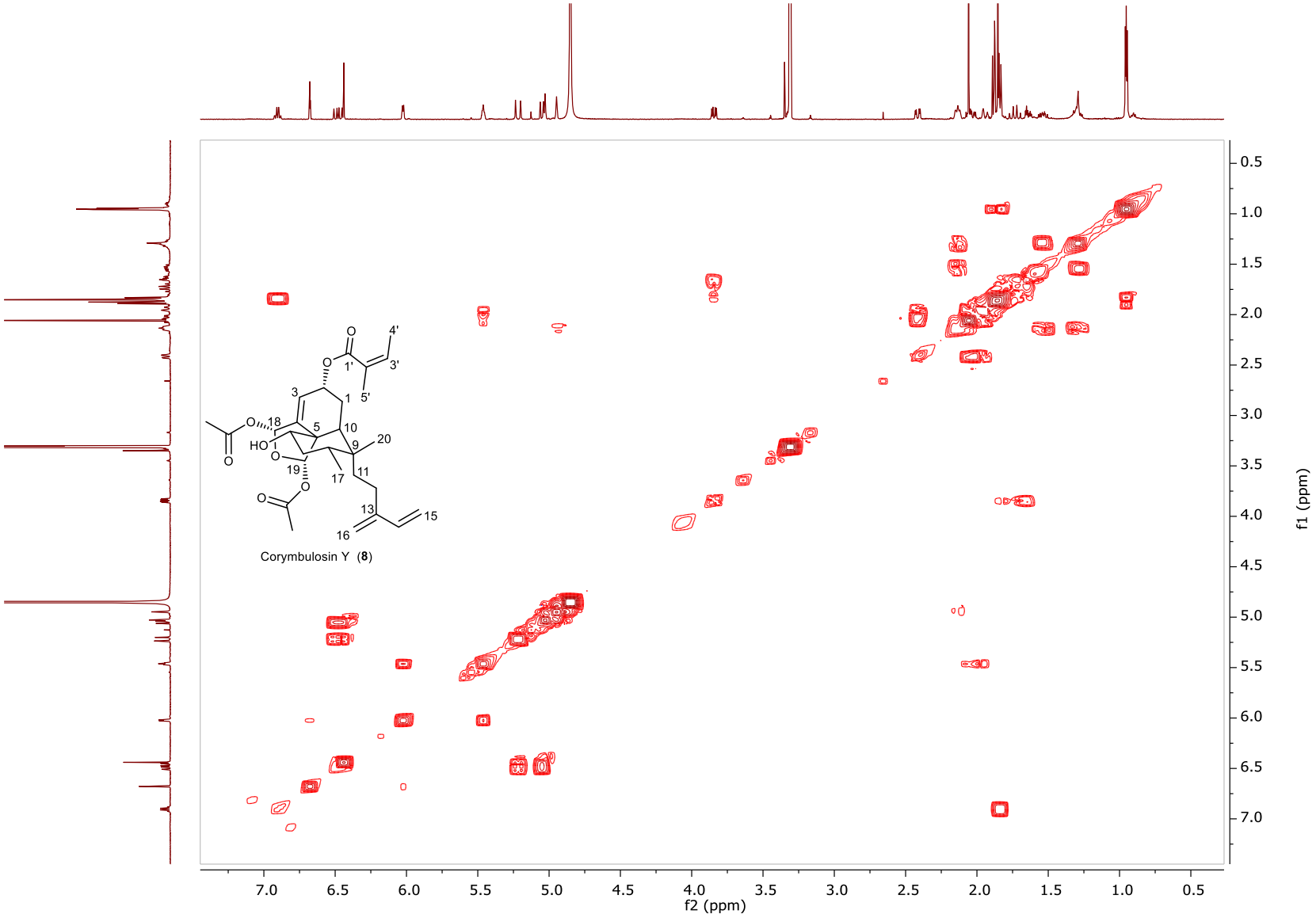


Figure S62. HSQC (500 MHz) spectrum of Corymbulosin Y (**8**) in MeOH-d_4

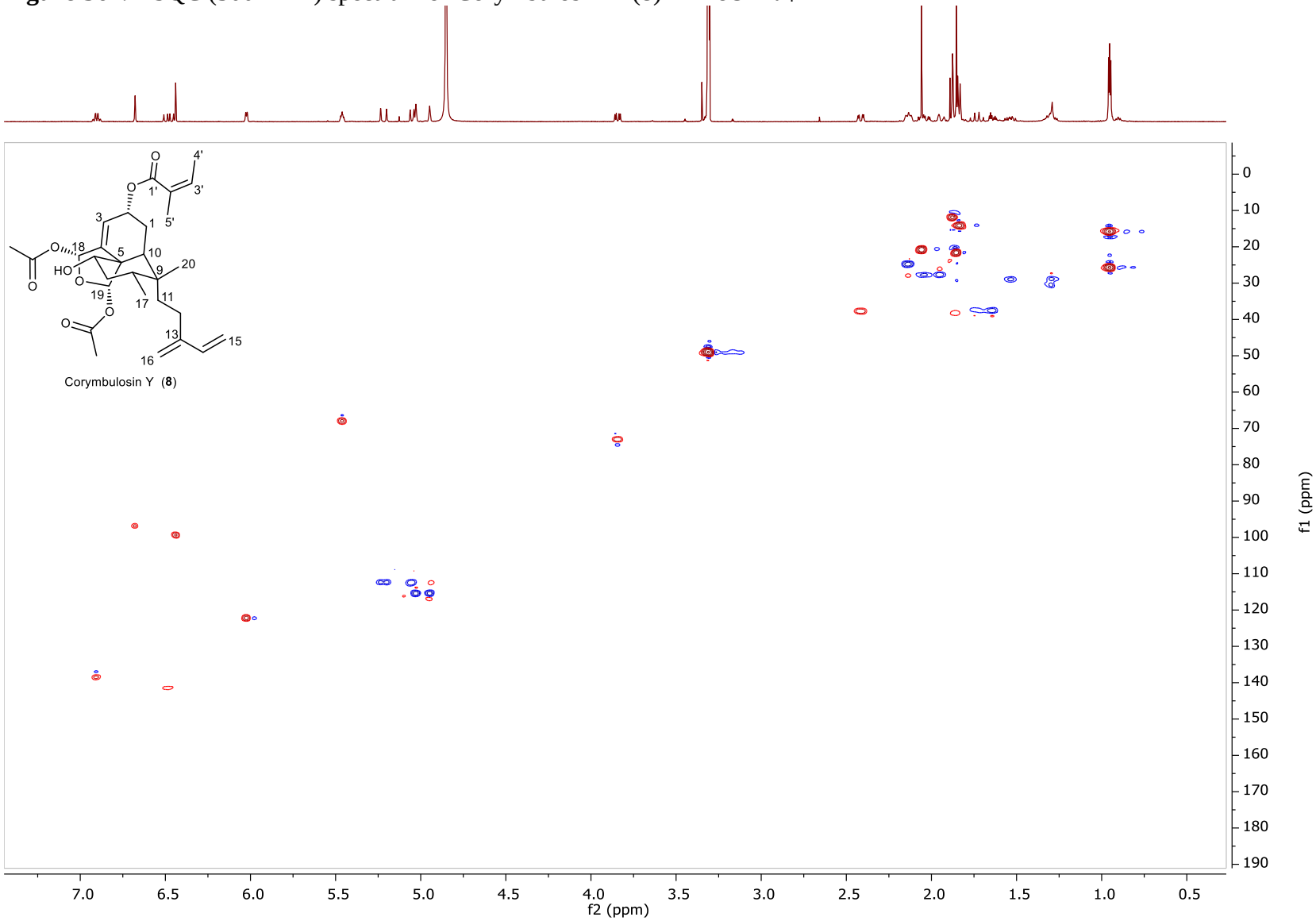


Figure S63. HMBC (500 MHz) spectrum of Corymbulosin Y (**8**) in MeOH-d_4

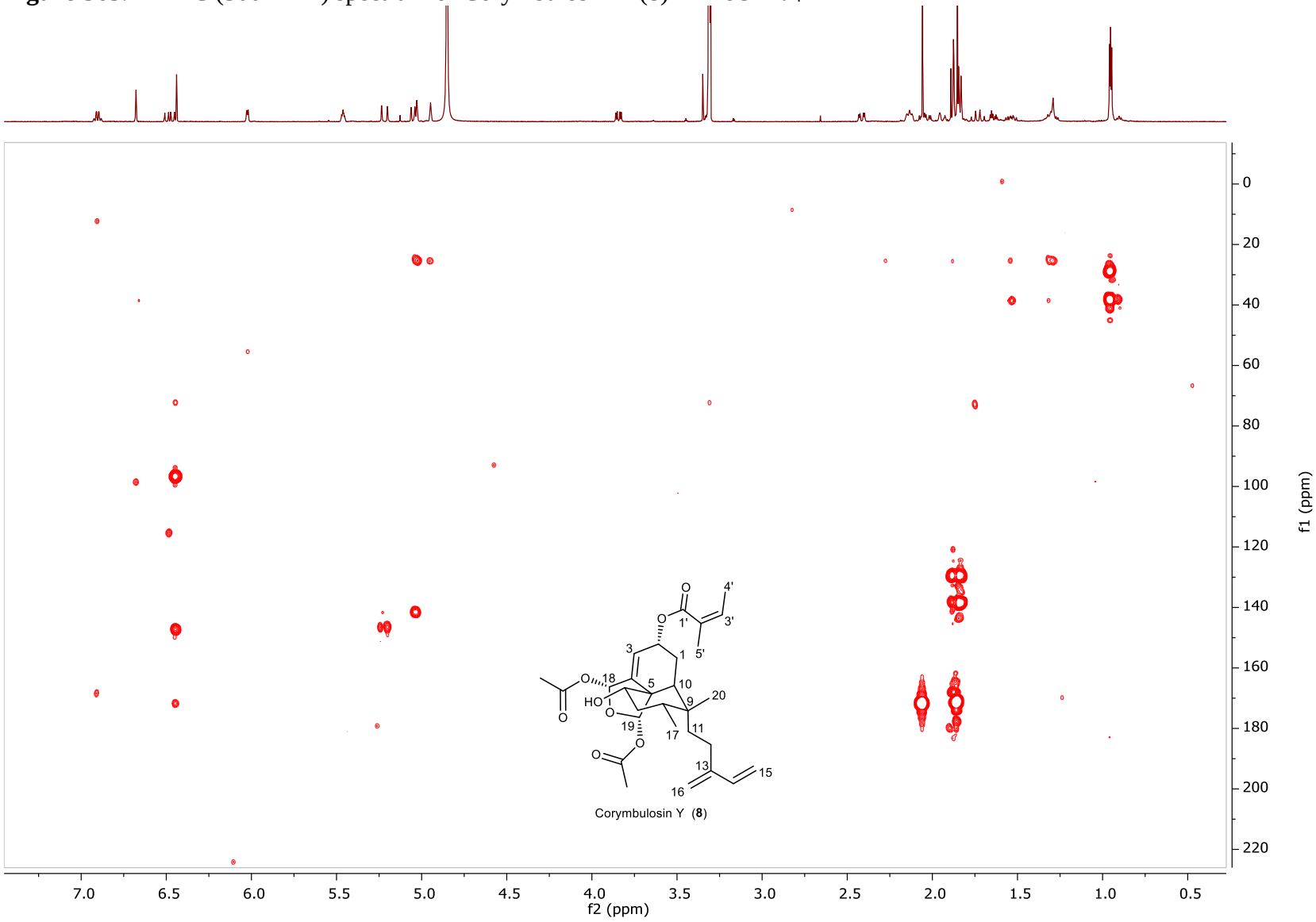


Figure S64. HRESIMS spectrum of Corymbulosin Y (**8**)

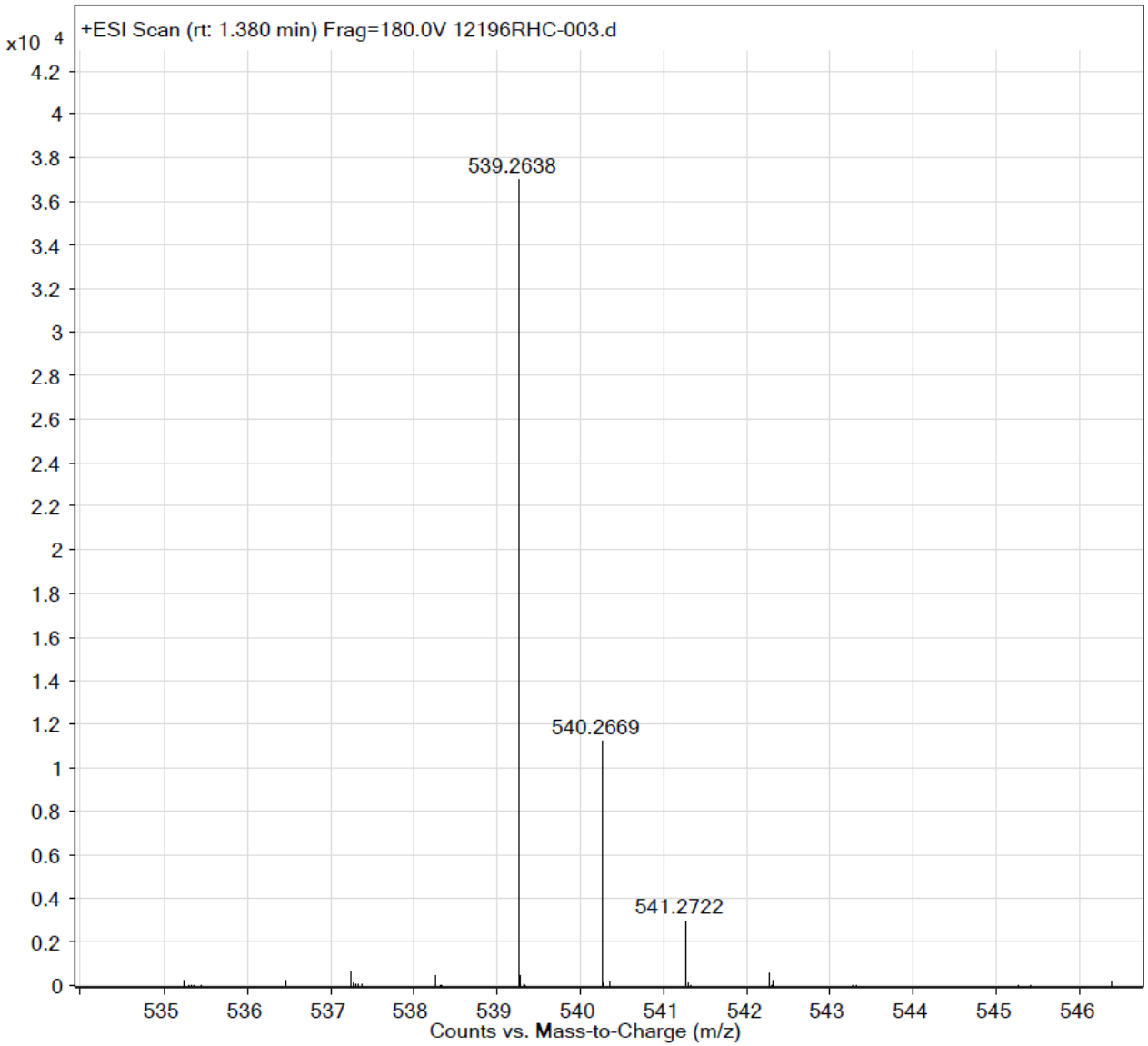


Figure S65. ^{1}H NMR (400 MHz) spectrum of the synthetic standard *R*/*S*-**13** in MeOH-d_4

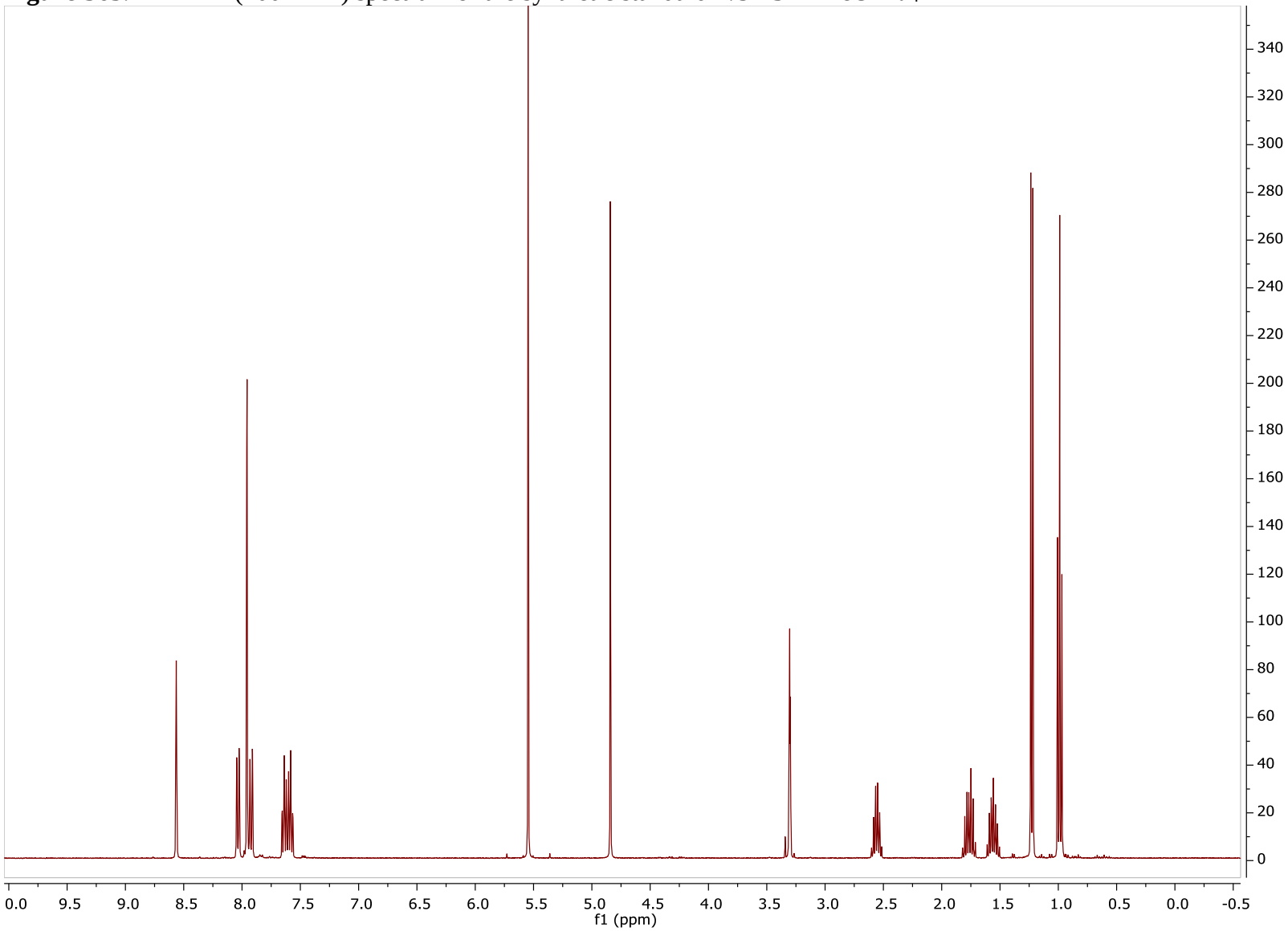


Figure S66. ^{13}C NMR (100 MHz) spectrum of the synthetic standard *R*/*S*-**13** in MeOH-d_4

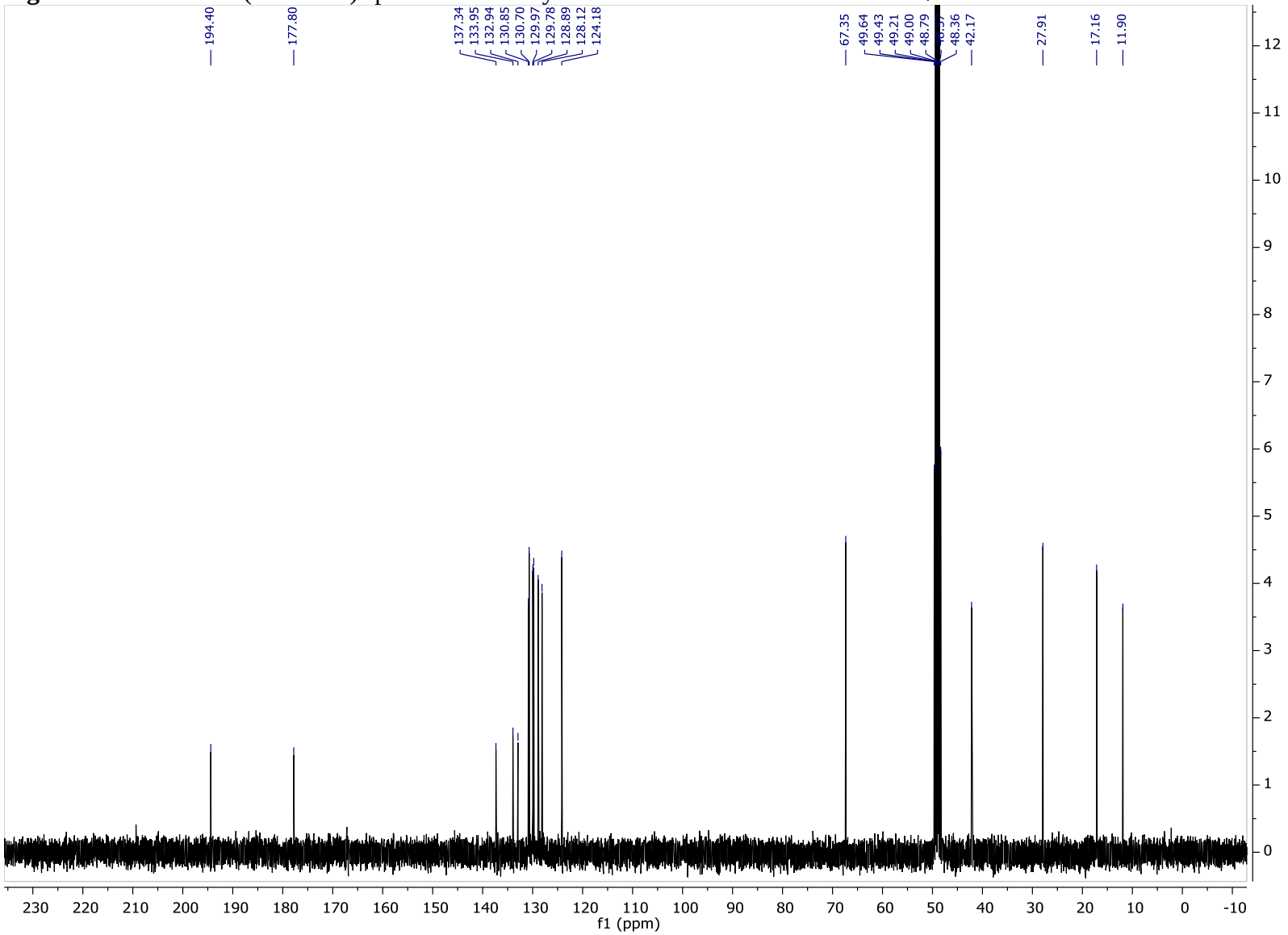


Figure S67. ^{1}H NMR (400 MHz) spectrum of the synthetic standard *S*-**13** in MeOH-d_4

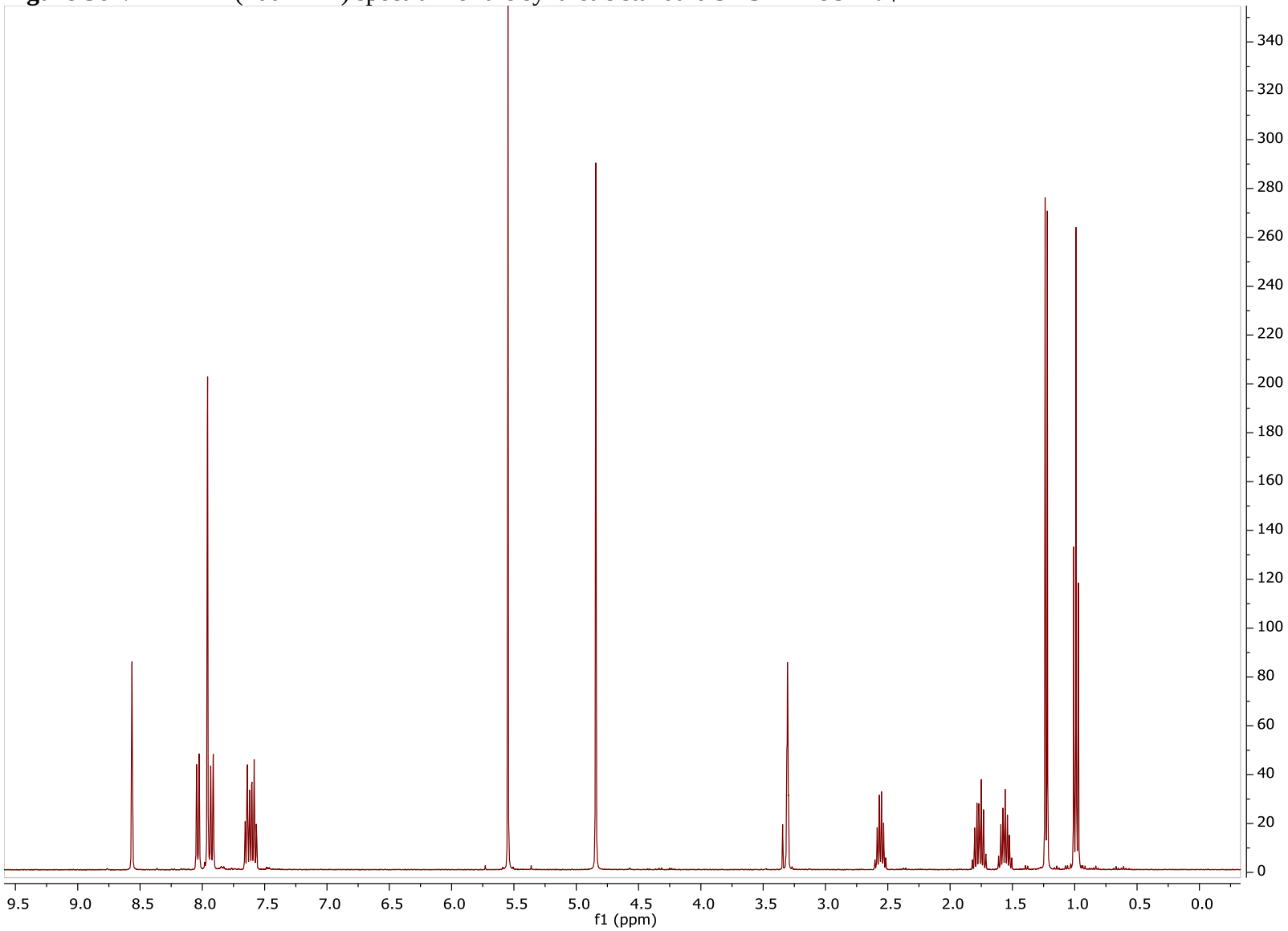


Figure S68. ^{13}C NMR (100 MHz) spectrum of the synthetic standard *S*-**13** in MeOH-d_4