

Two New Cytotoxic Compounds from a Deep-sea *Penicillium citreonigrum* XT20-134

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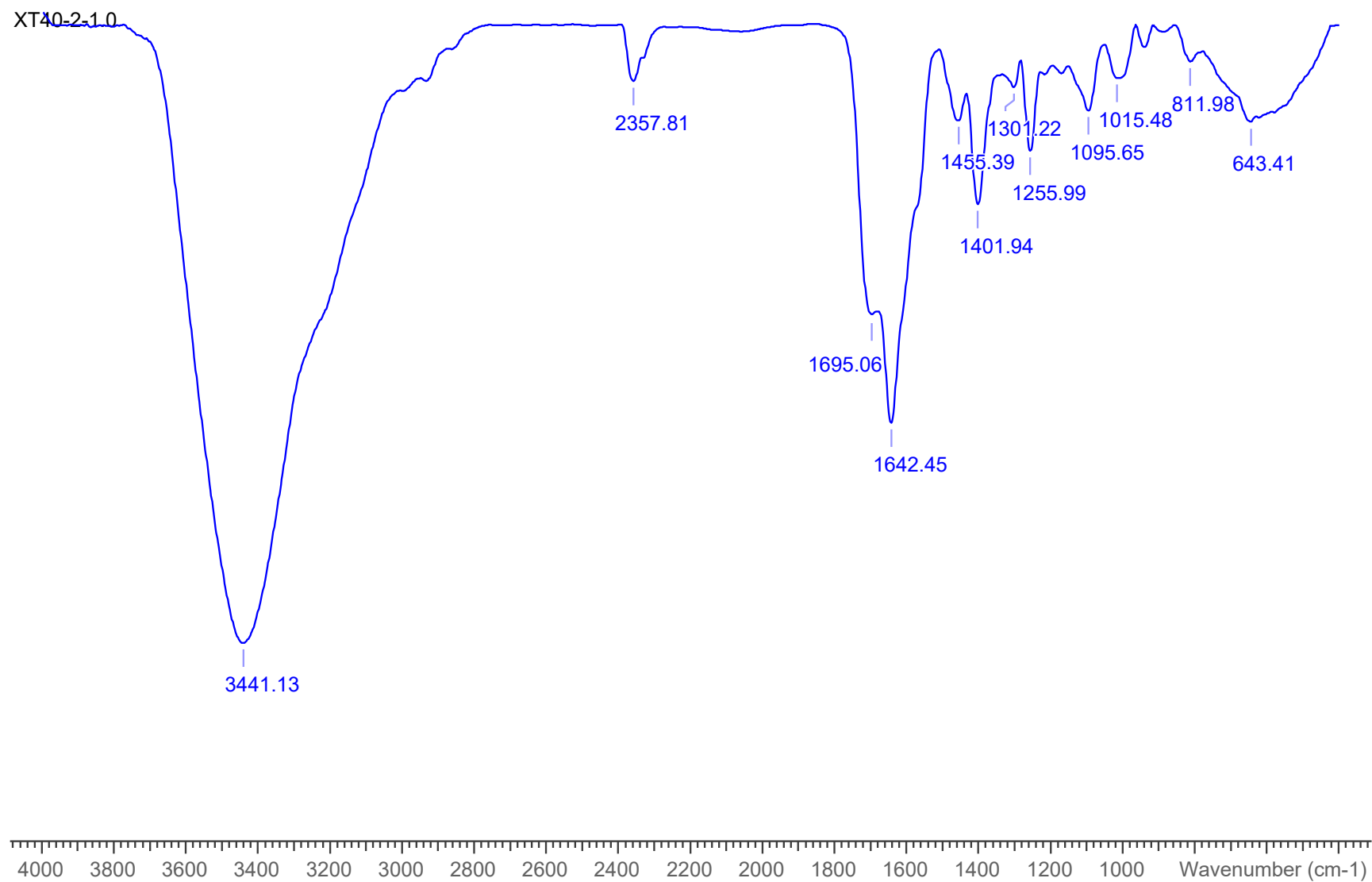
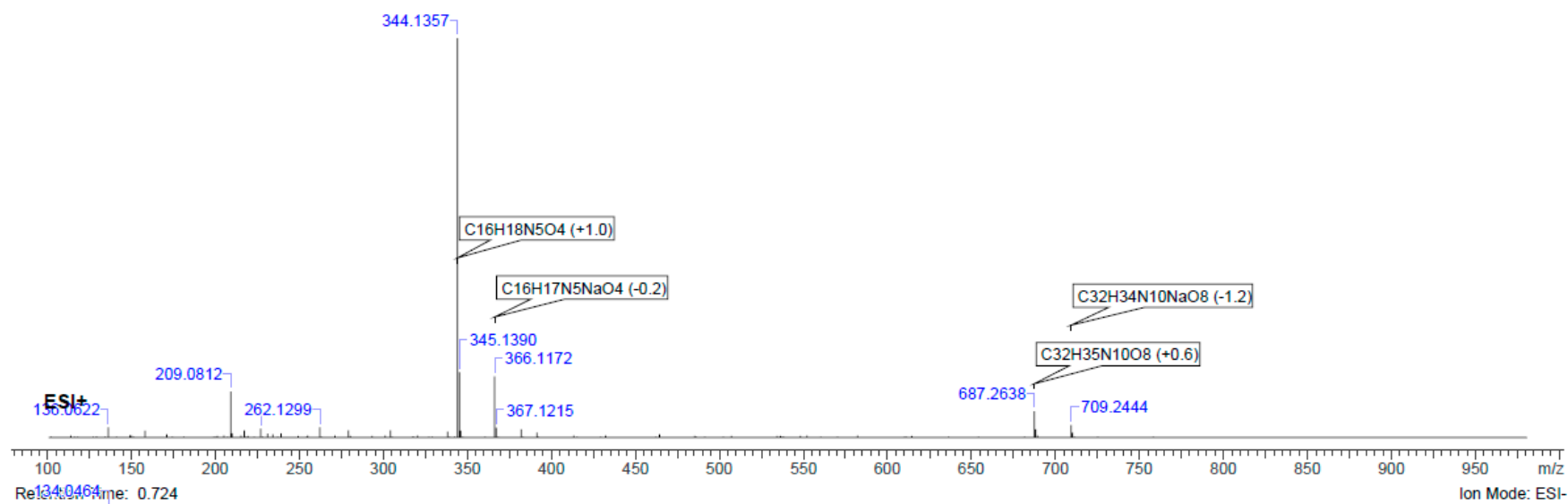


Figure S 1. IR spectrum of compound **1**

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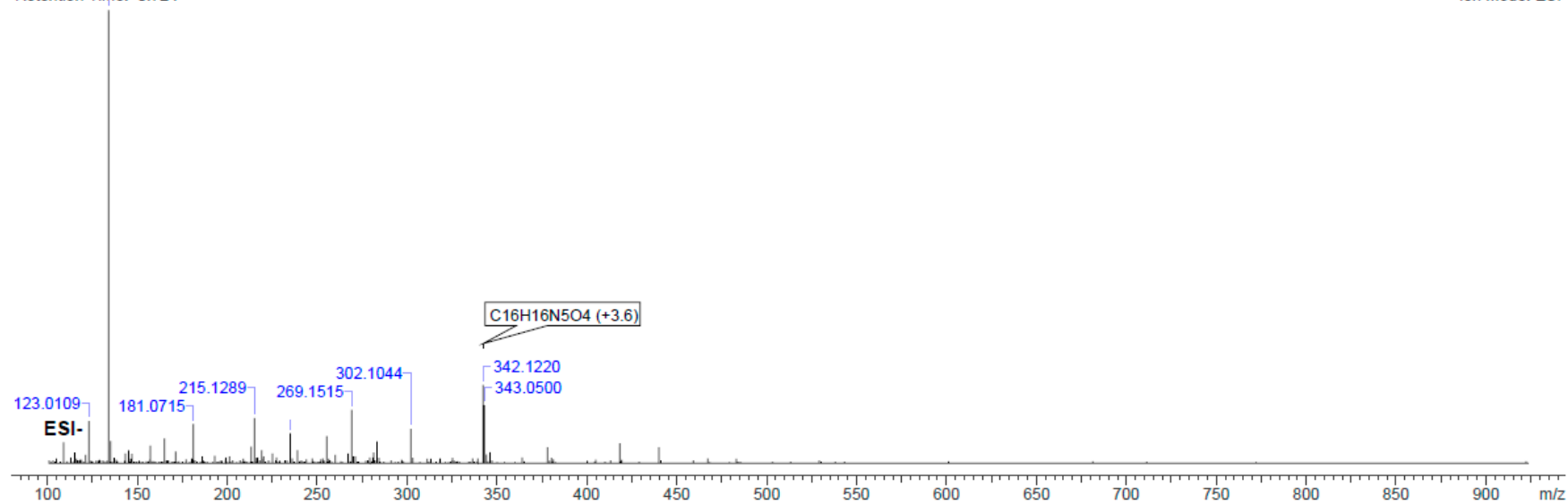


Figure S 2. HR-ESI-MS spectra of compound 1

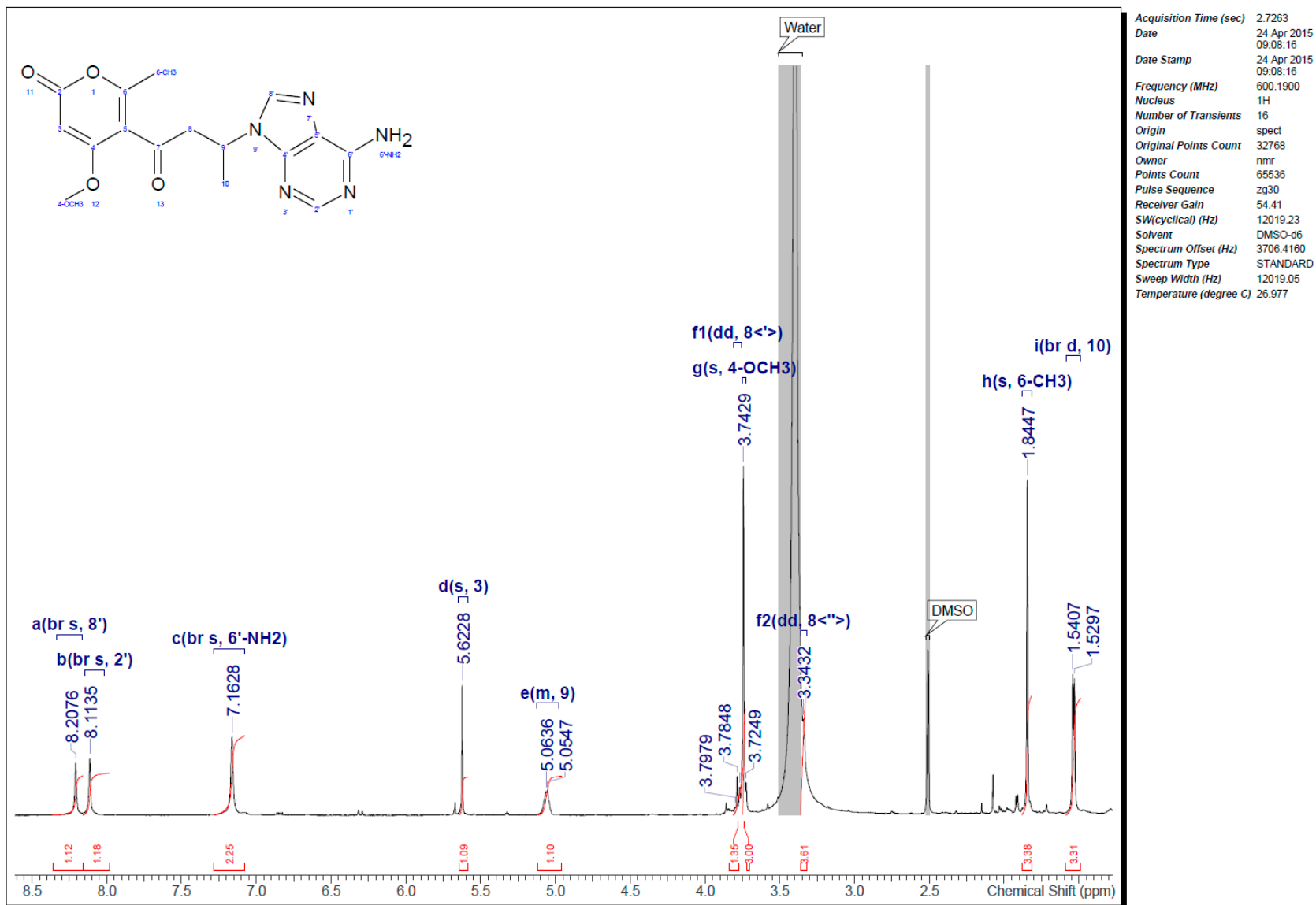


Figure S 3. ¹H-NMR (600 MHz, DMSO-*d*₆) of compound 1

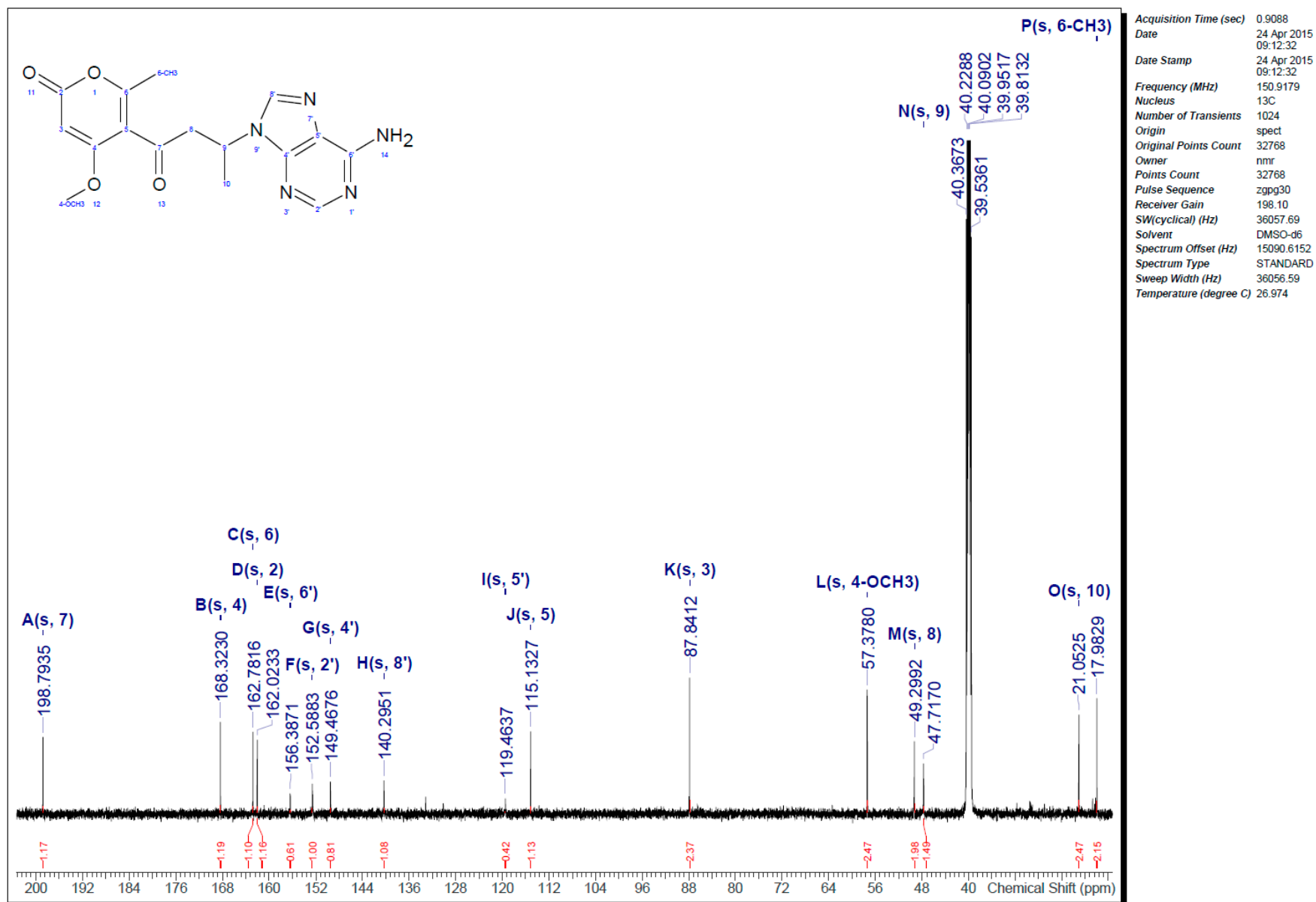


Figure S 4. ¹³C-NMR (150 MHz, DMSO-d₆) of compound 1

DEPT.esp

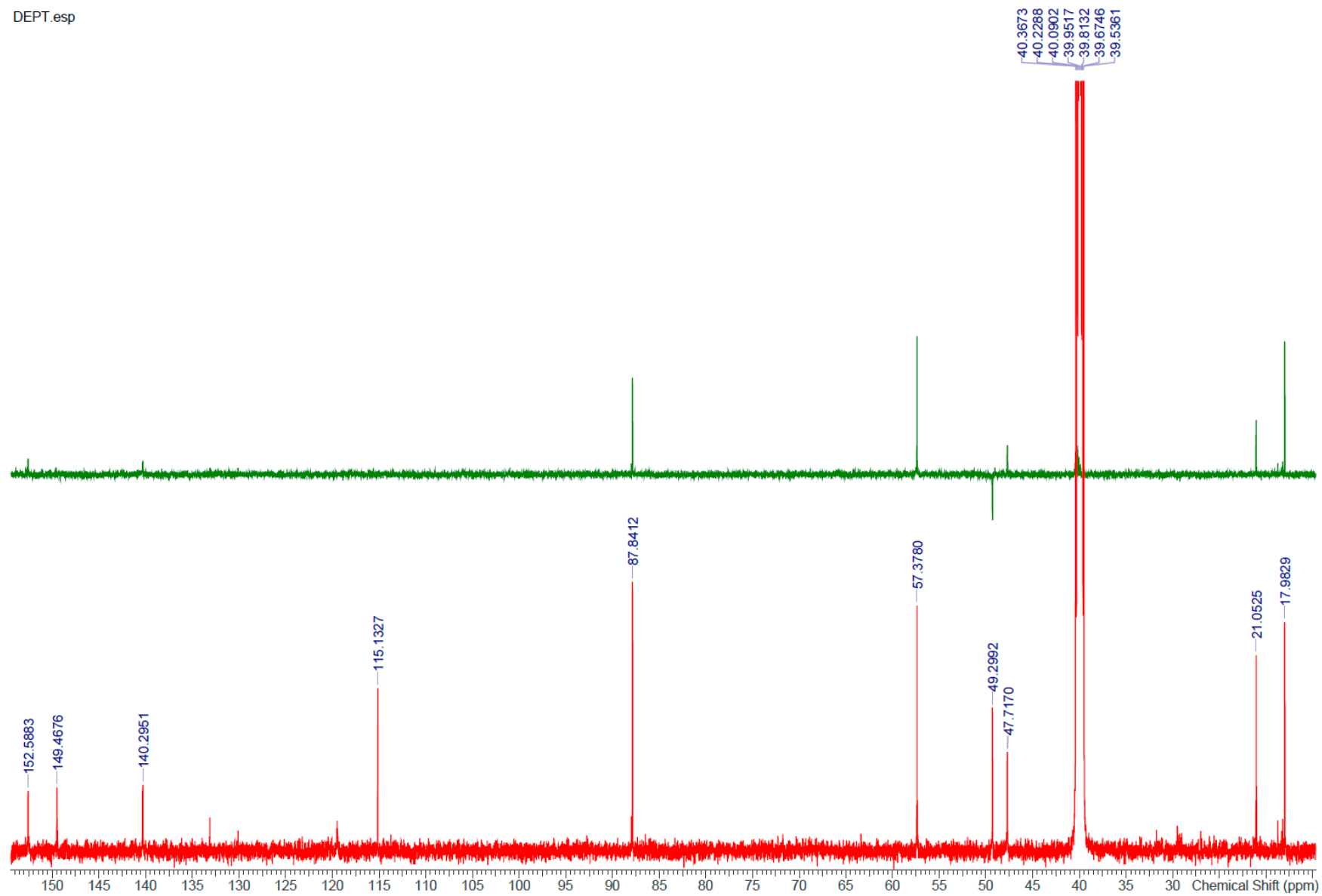


Figure S 5. DEPT of compound 1

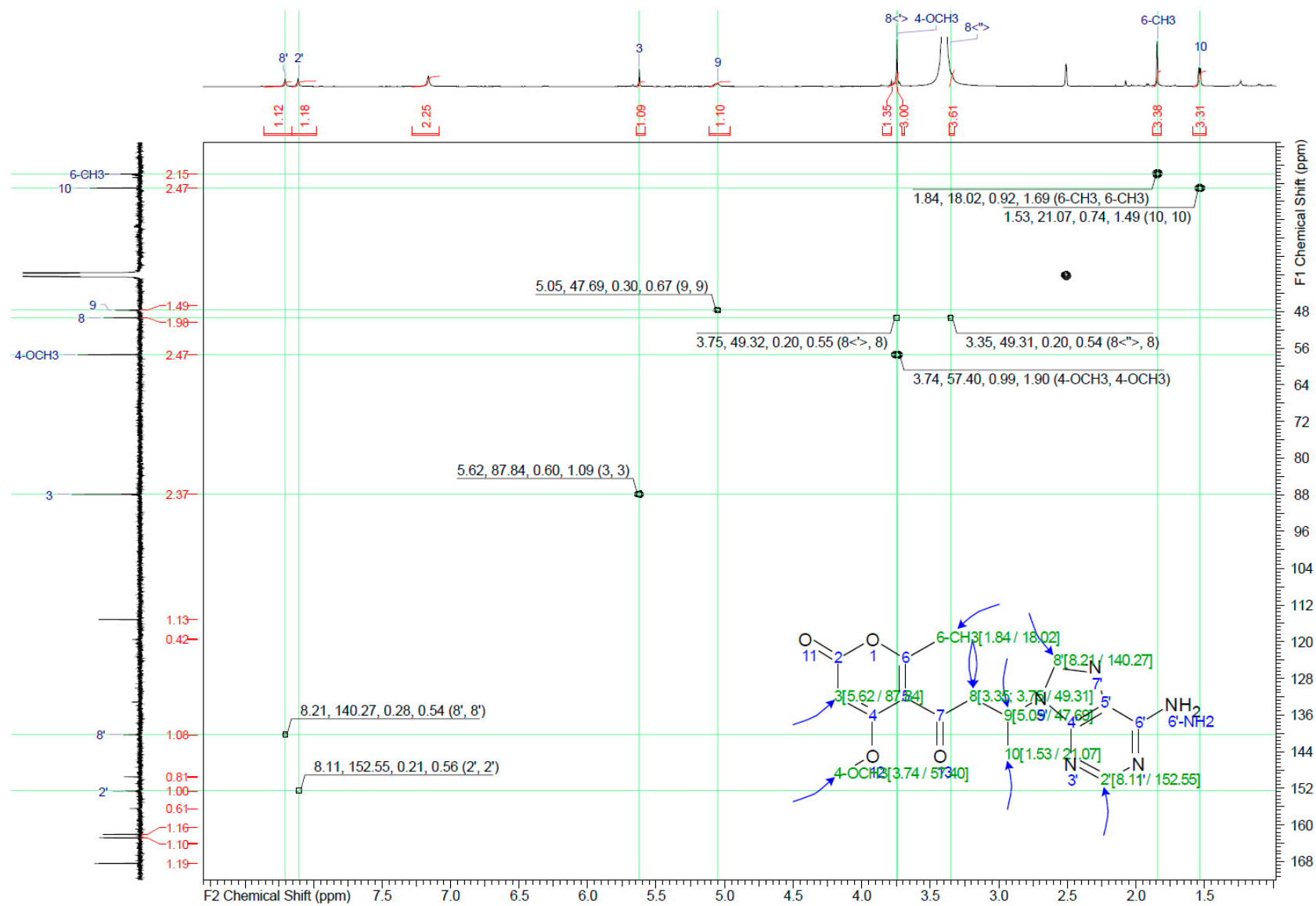
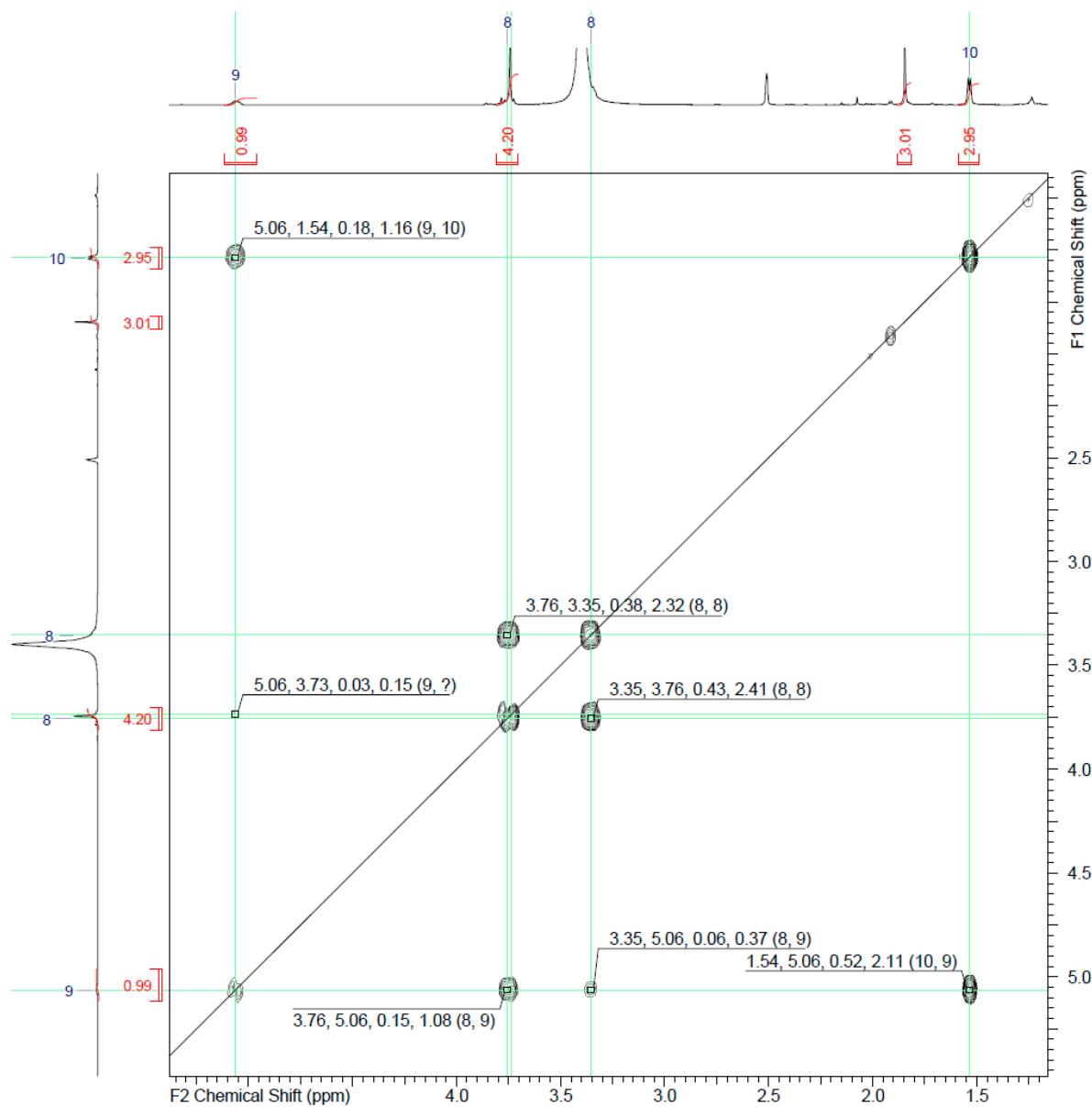


Figure S 6. HSQC of compound 1



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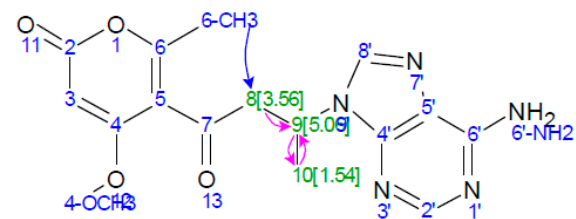


Figure S 7. ^1H - ^1H COSY of compound 1

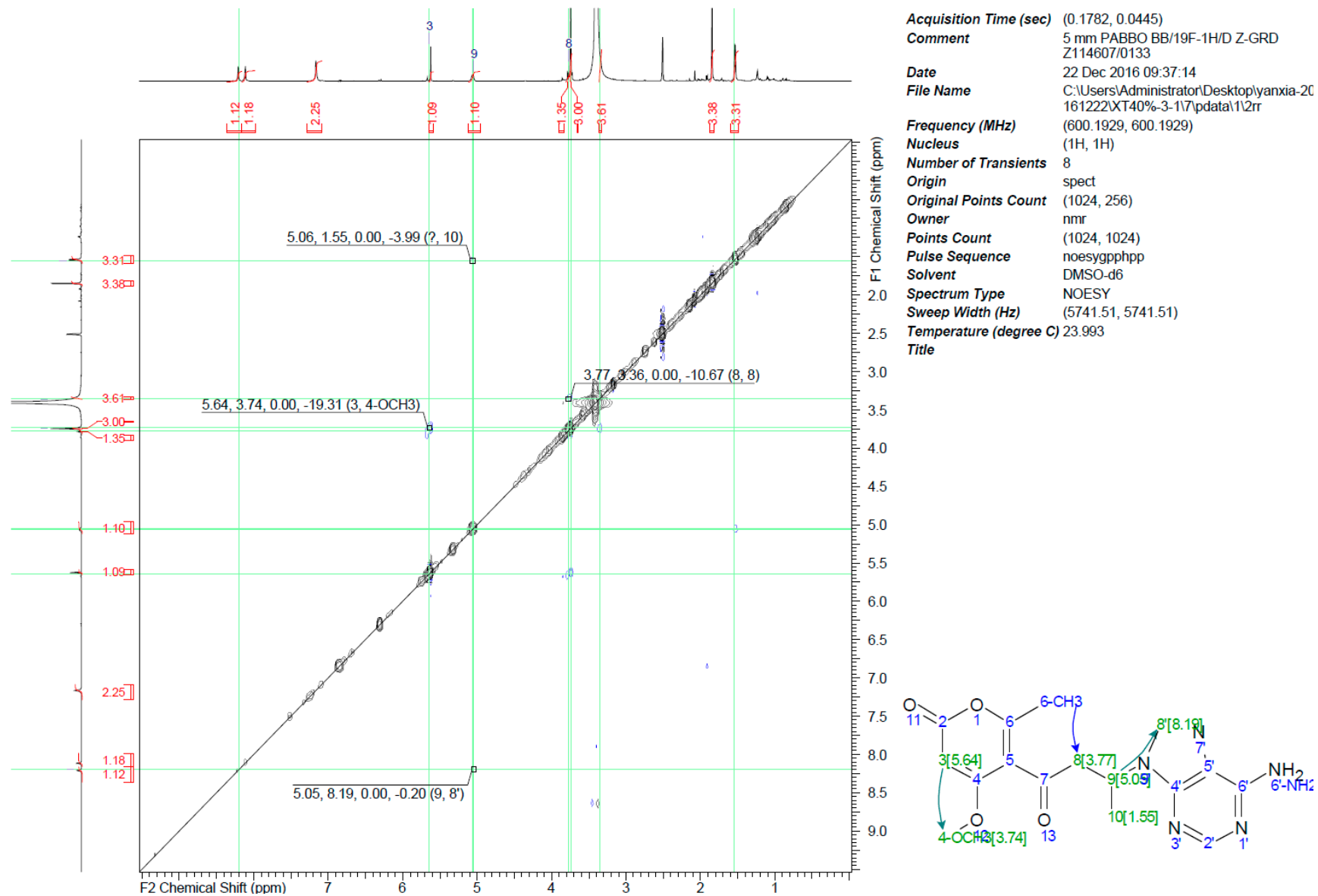


Figure S 9. NOESY of compound 1

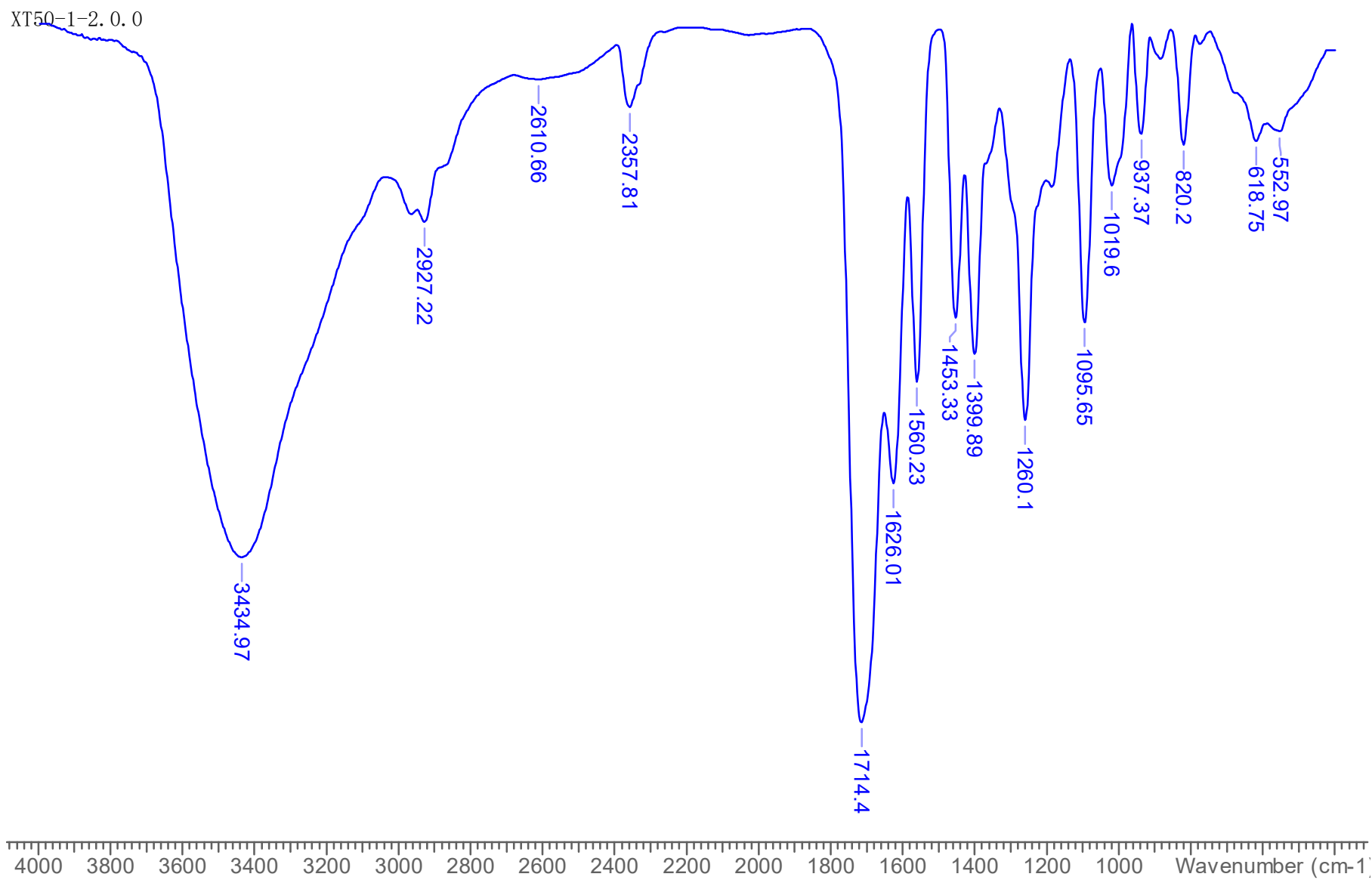


Figure S 10. IR spectrum of compound 2

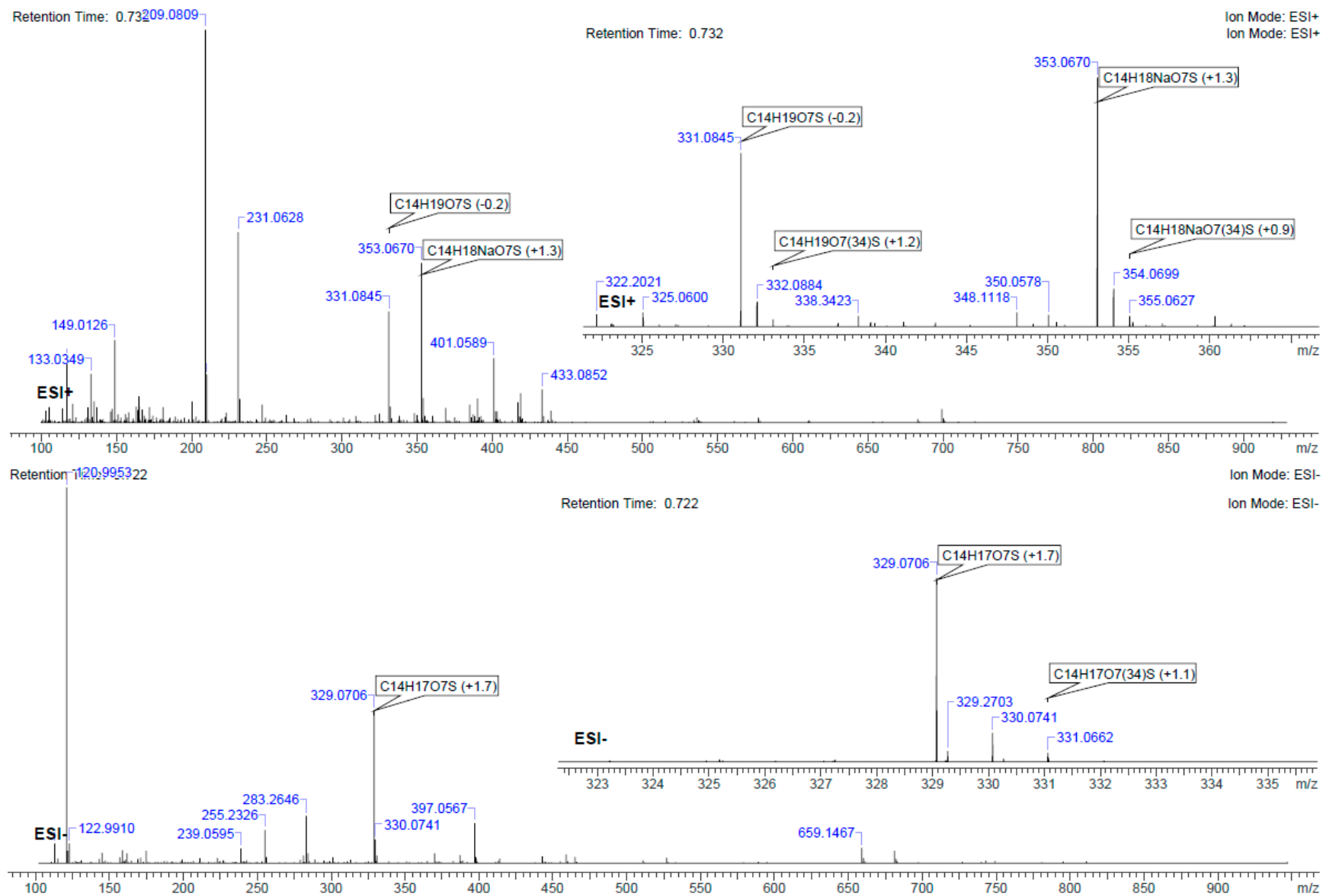


Figure S 11. HR-ESI-MS spectra of compound 2

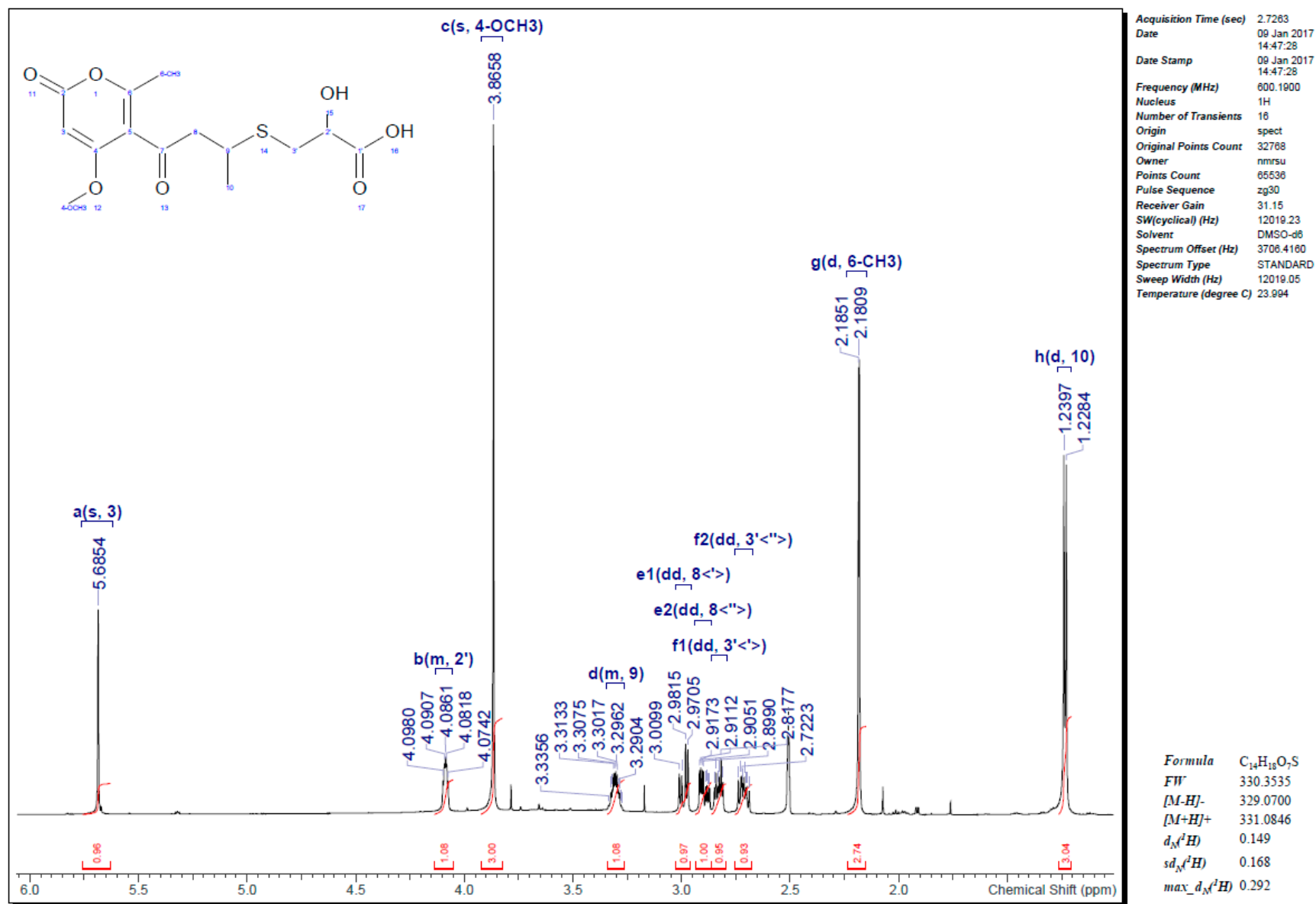


Figure S 12. ¹H-NMR (600 MHz, DMSO-*d*₆) of compound 2

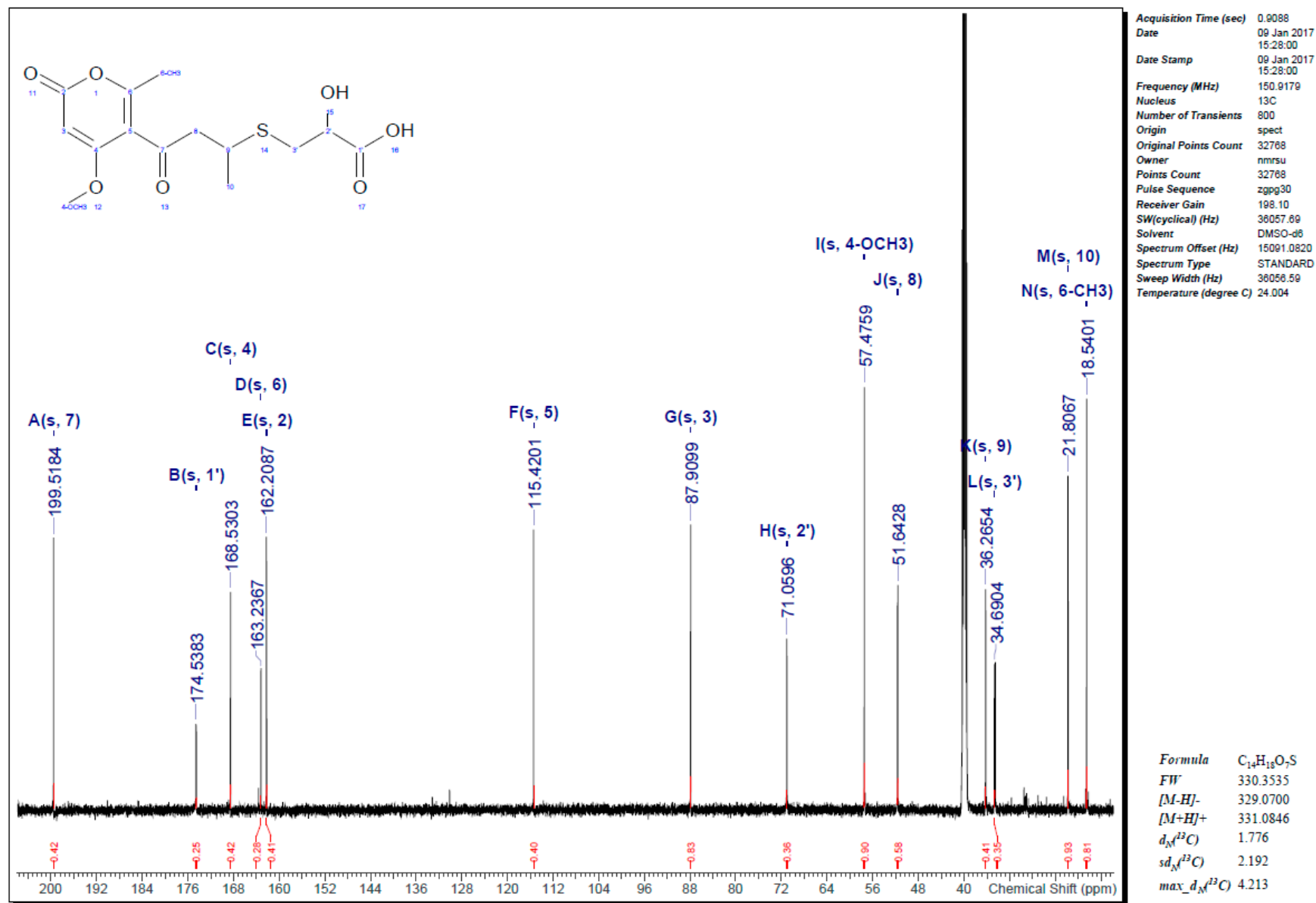


Figure S 13. ¹³C-NMR (150 MHz, DMSO-*d*₆) of compound 2

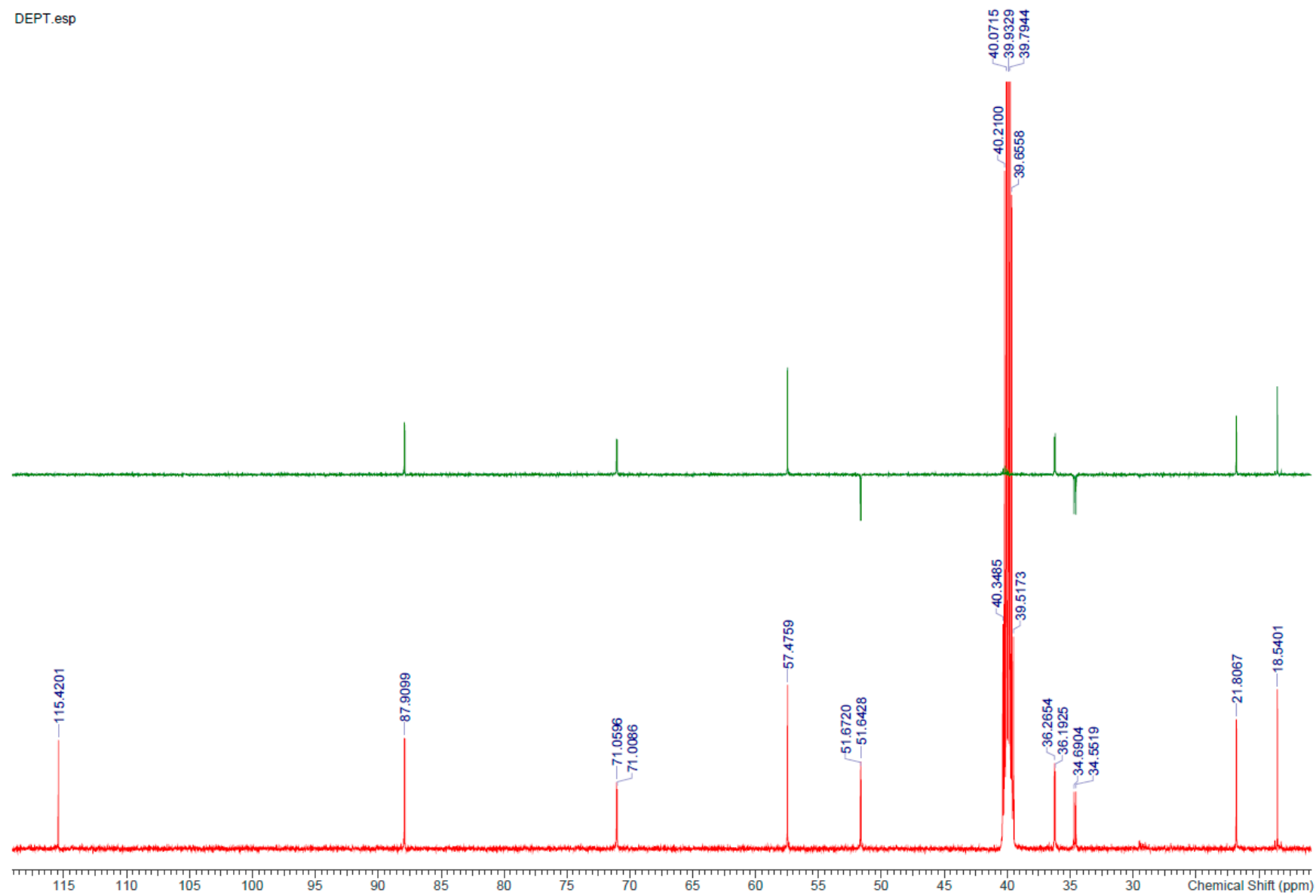


Figure S 14. DEPT of compound 2

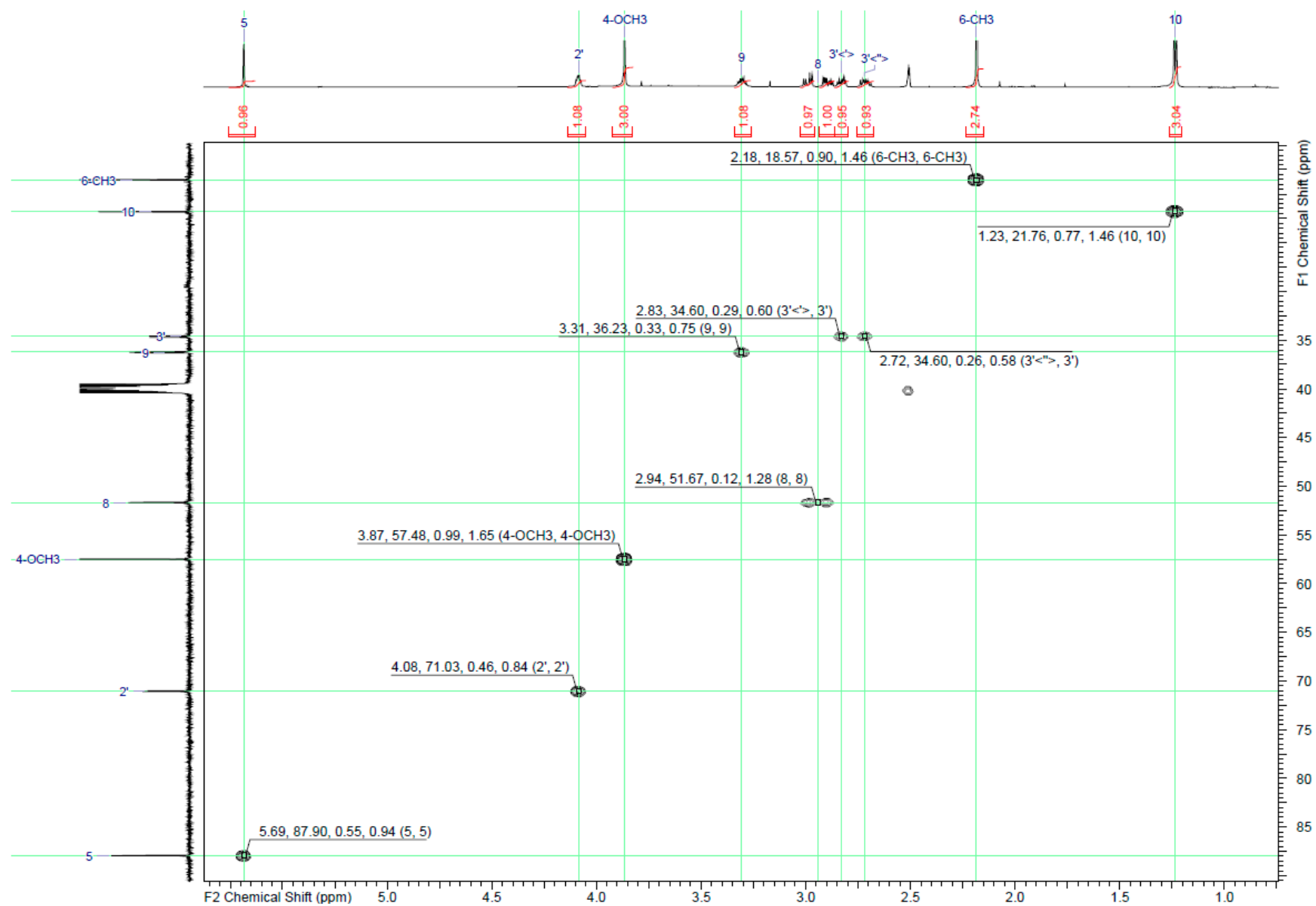


Figure S 15. HSQC of compound 2



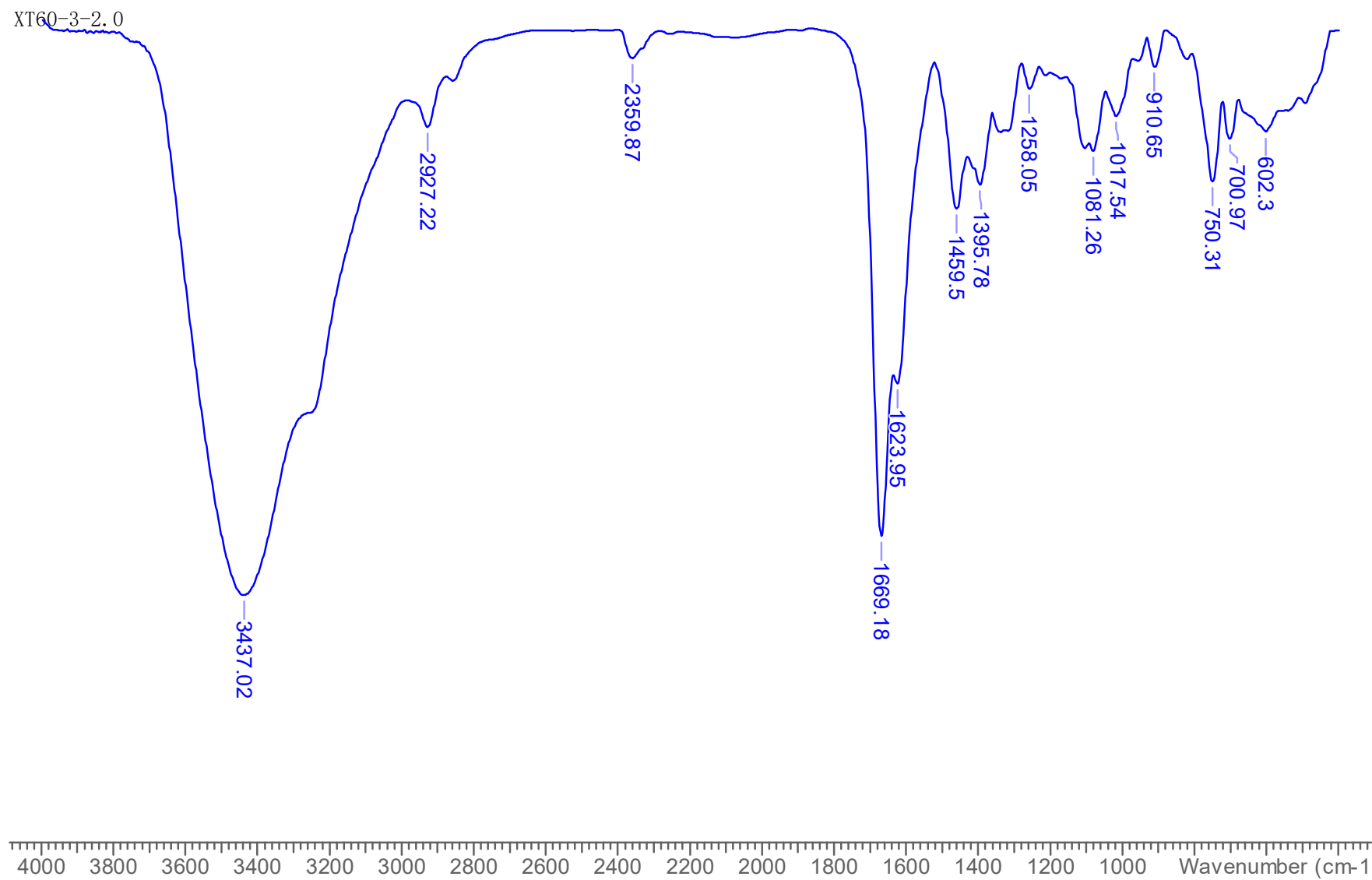
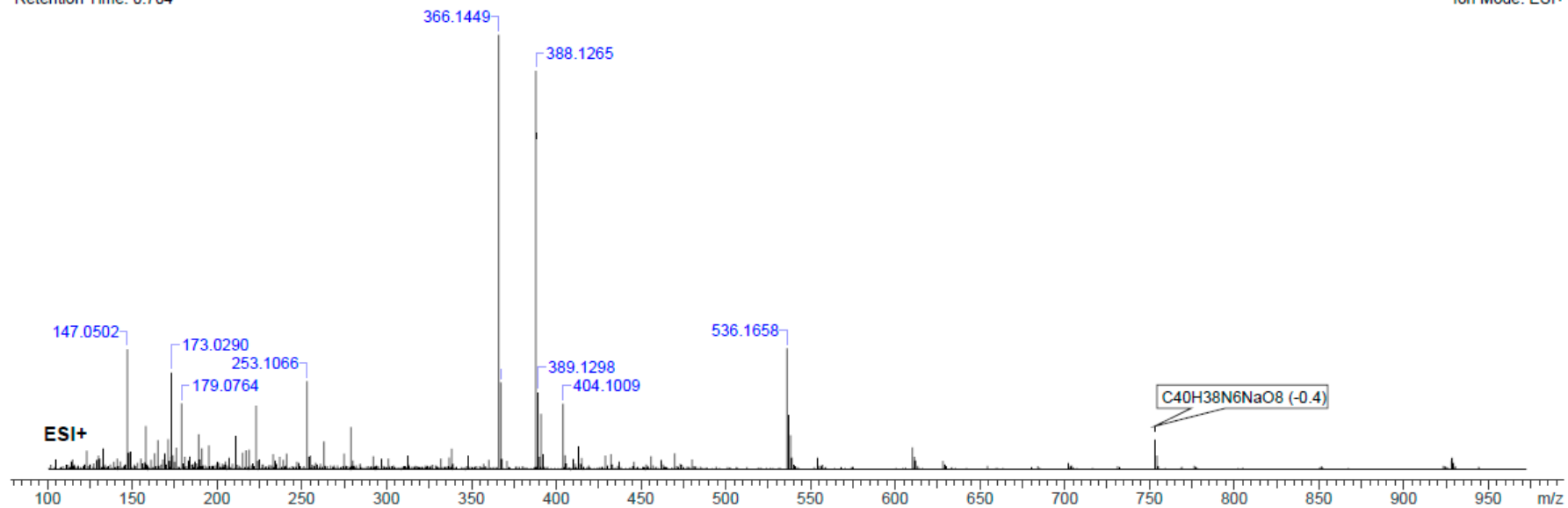


Figure S 18. IR spectrum of compound 3

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Retention Time: 0.714

Ion Mode: ESI-

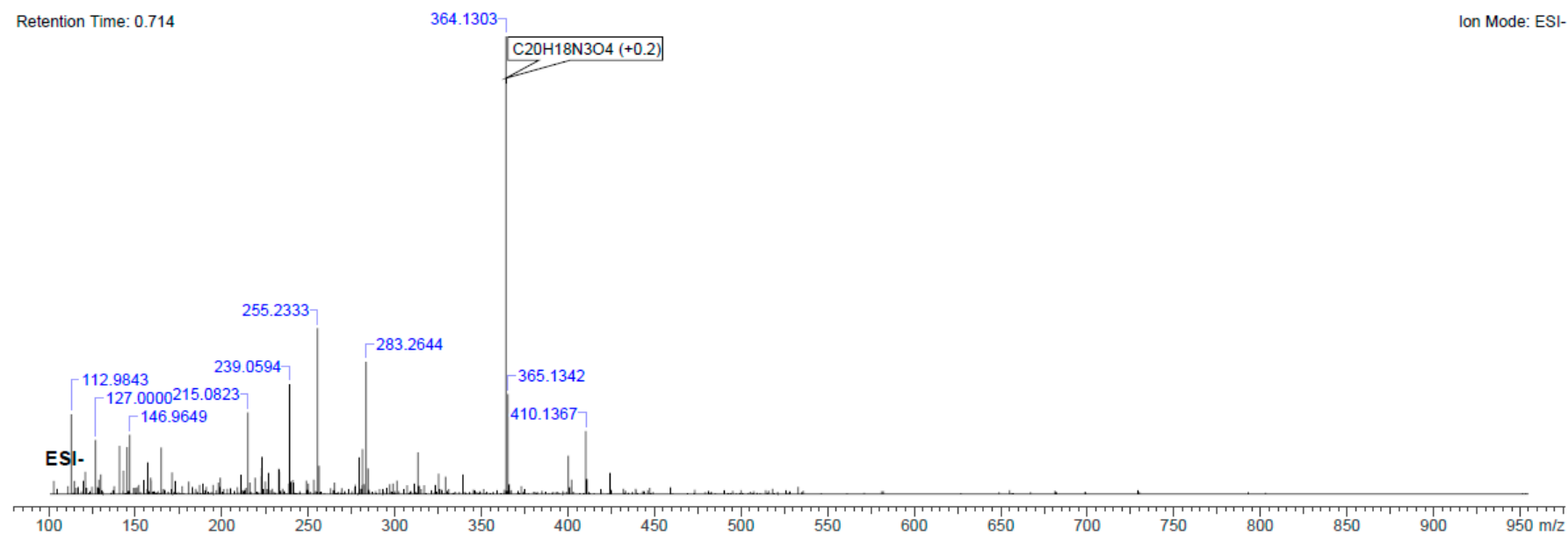


Figure S 19. HR-ESI-MS spectra of compound 3

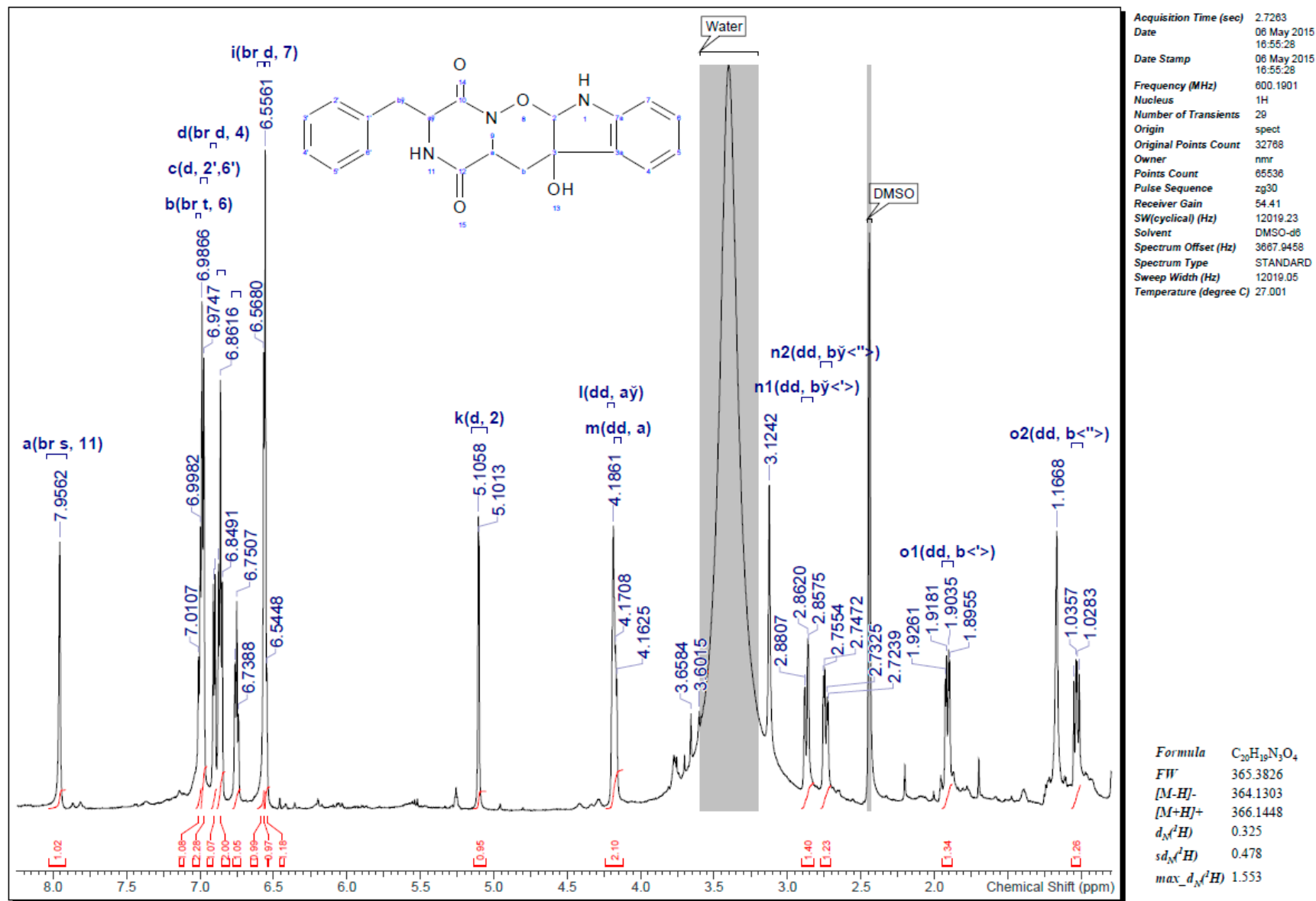


Figure S 20. ^1H -NMR (600 MHz, DMSO- d_6) of compound 3

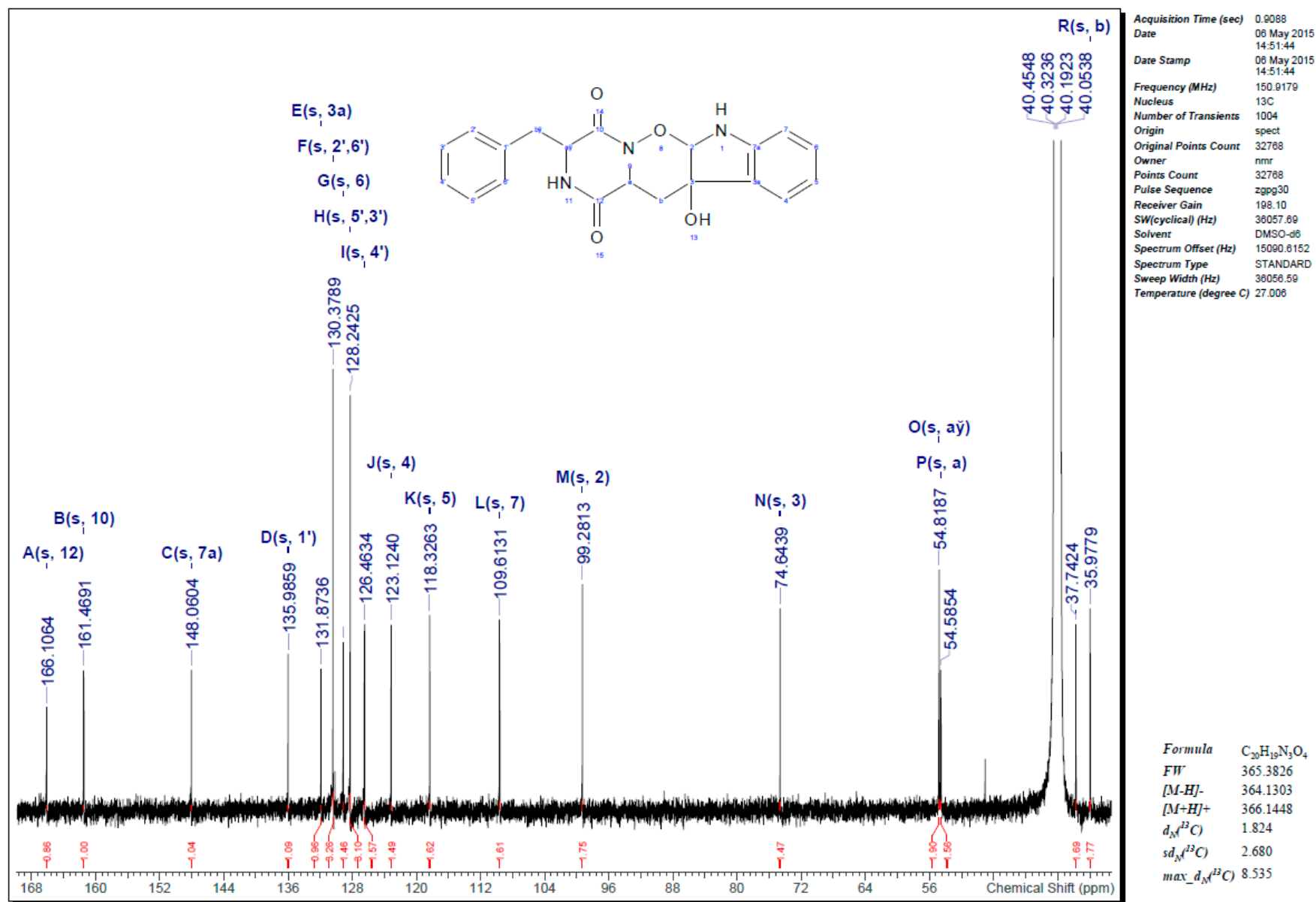


Figure S 21. ¹³C-NMR (150 MHz, DMSO-*d*₆) of compound 3

DEPT.esp

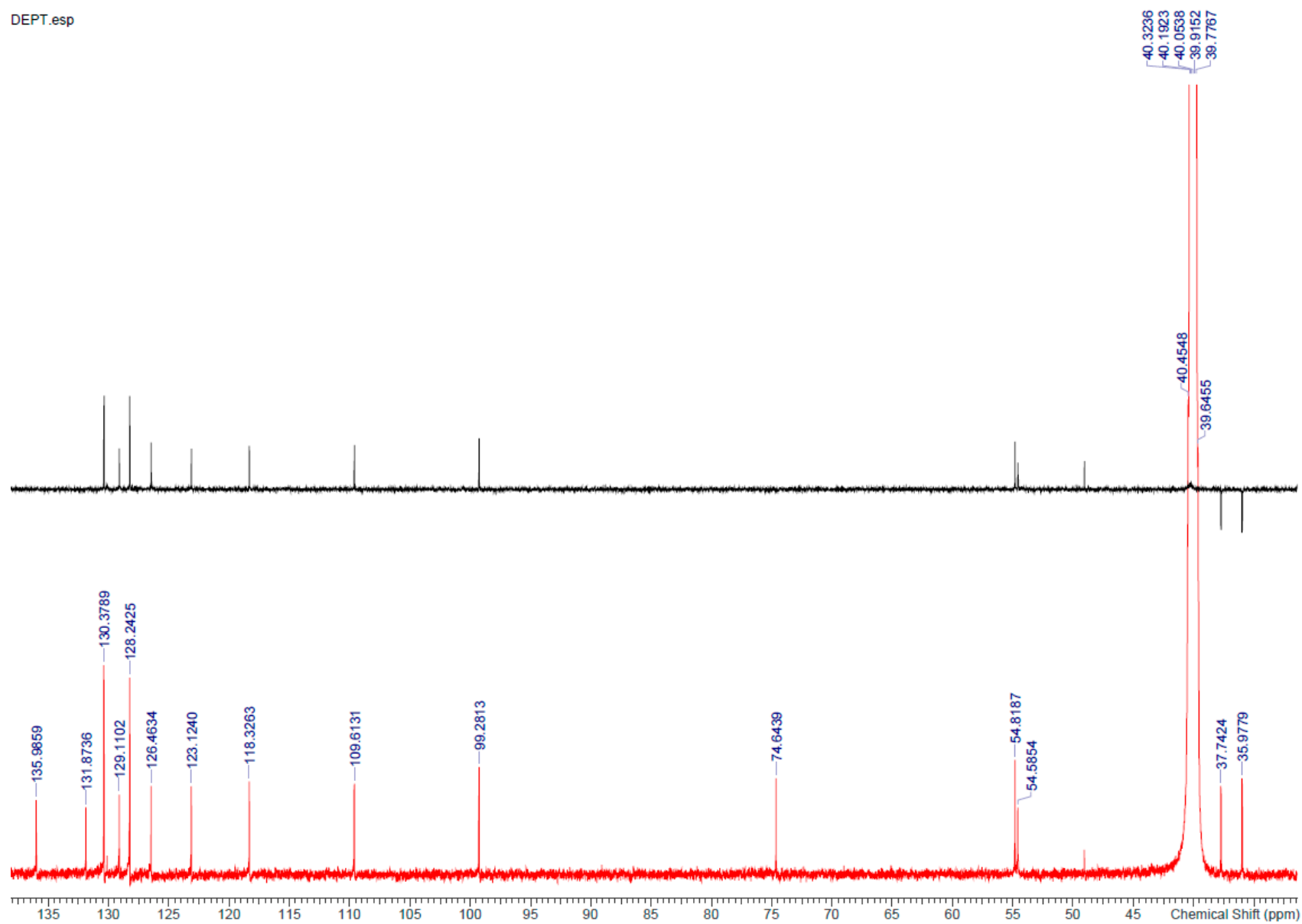


Figure S 22. DEPT of compound 3

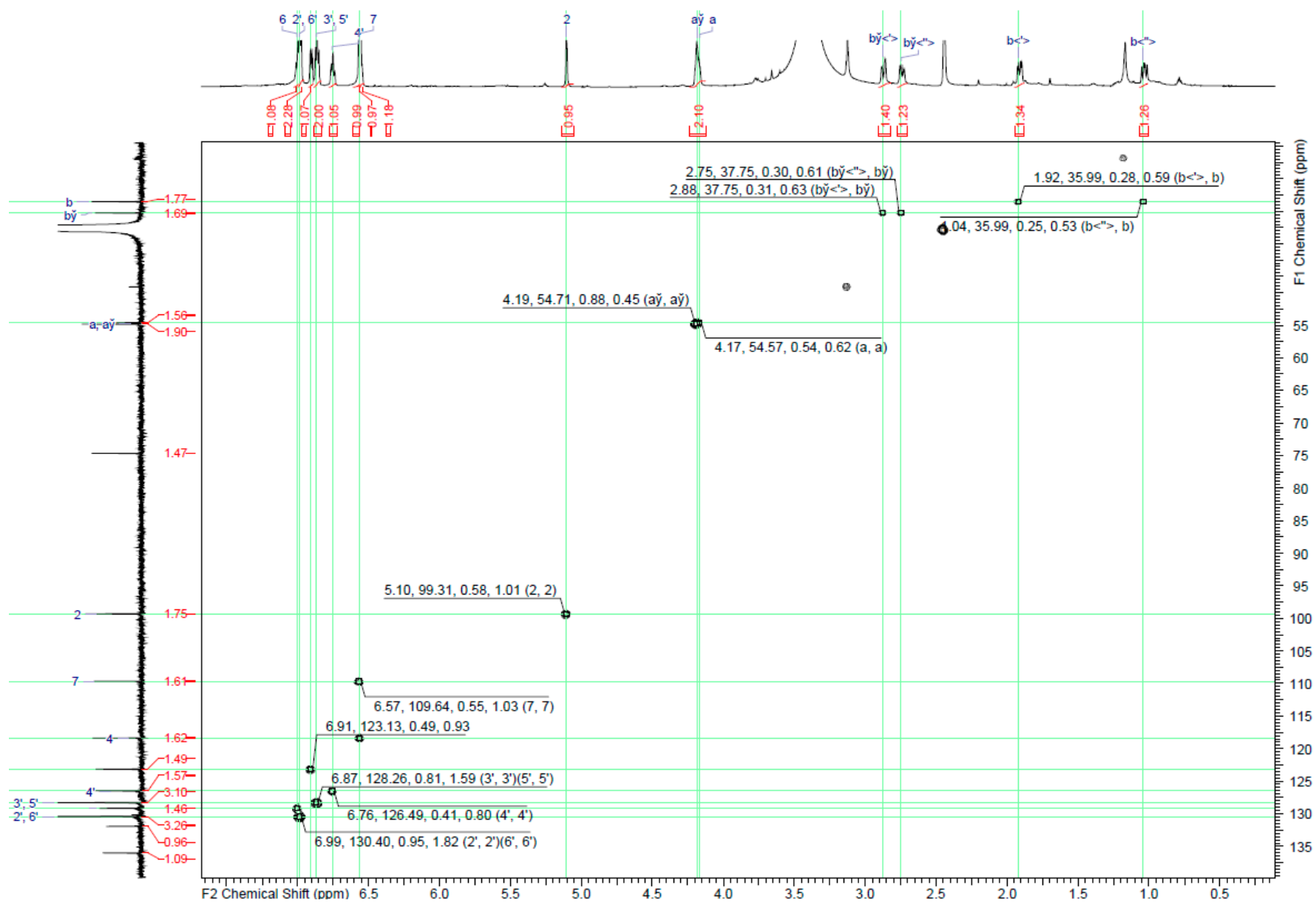
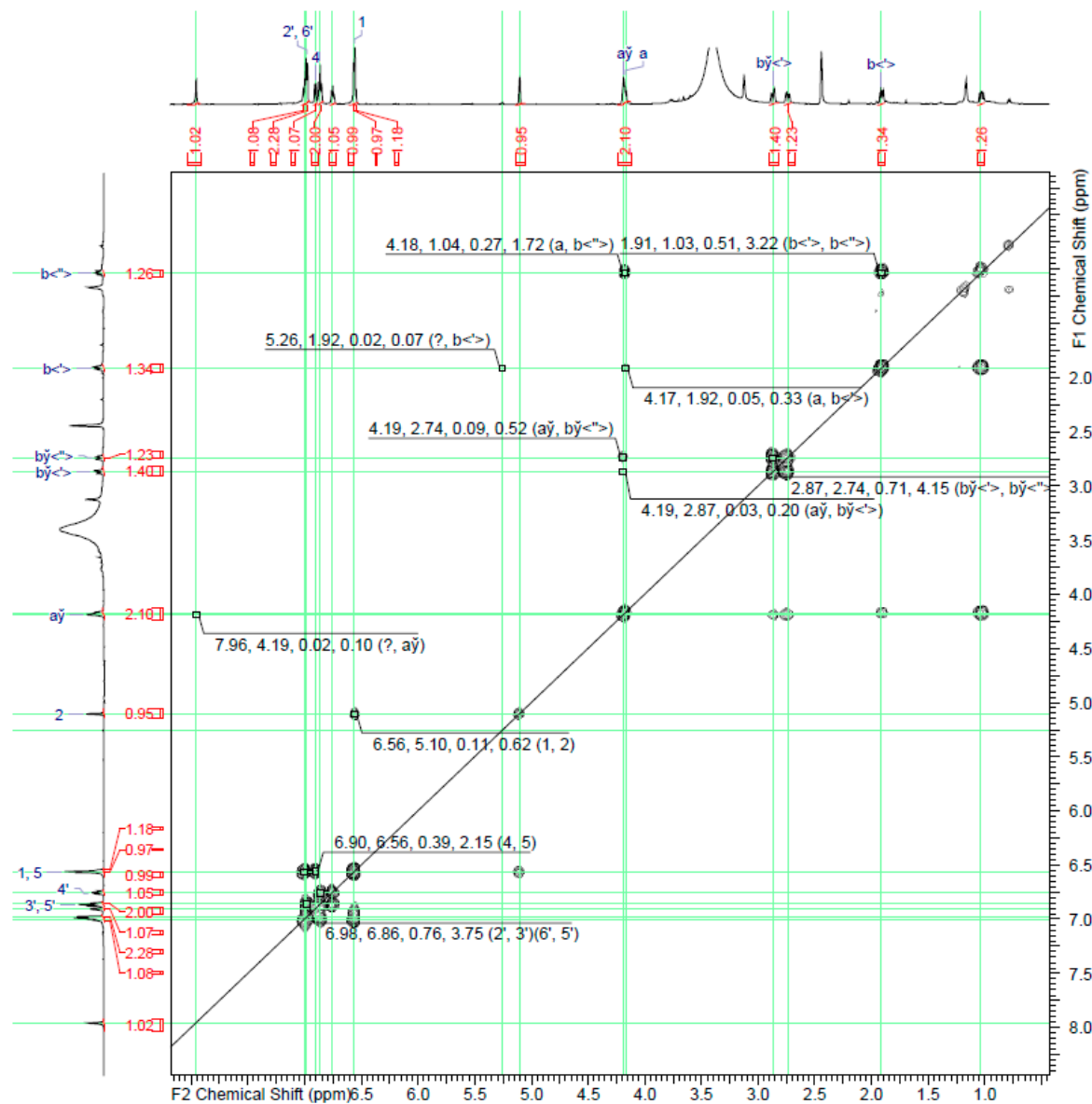


Figure S 23. HSQC of compound 3



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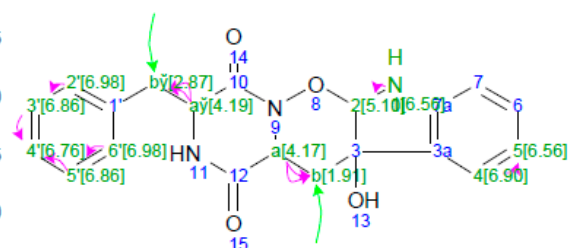


Figure S 24. ^1H - ^1H COSY of compound 3



Figure S 25. HMBC of compound 3

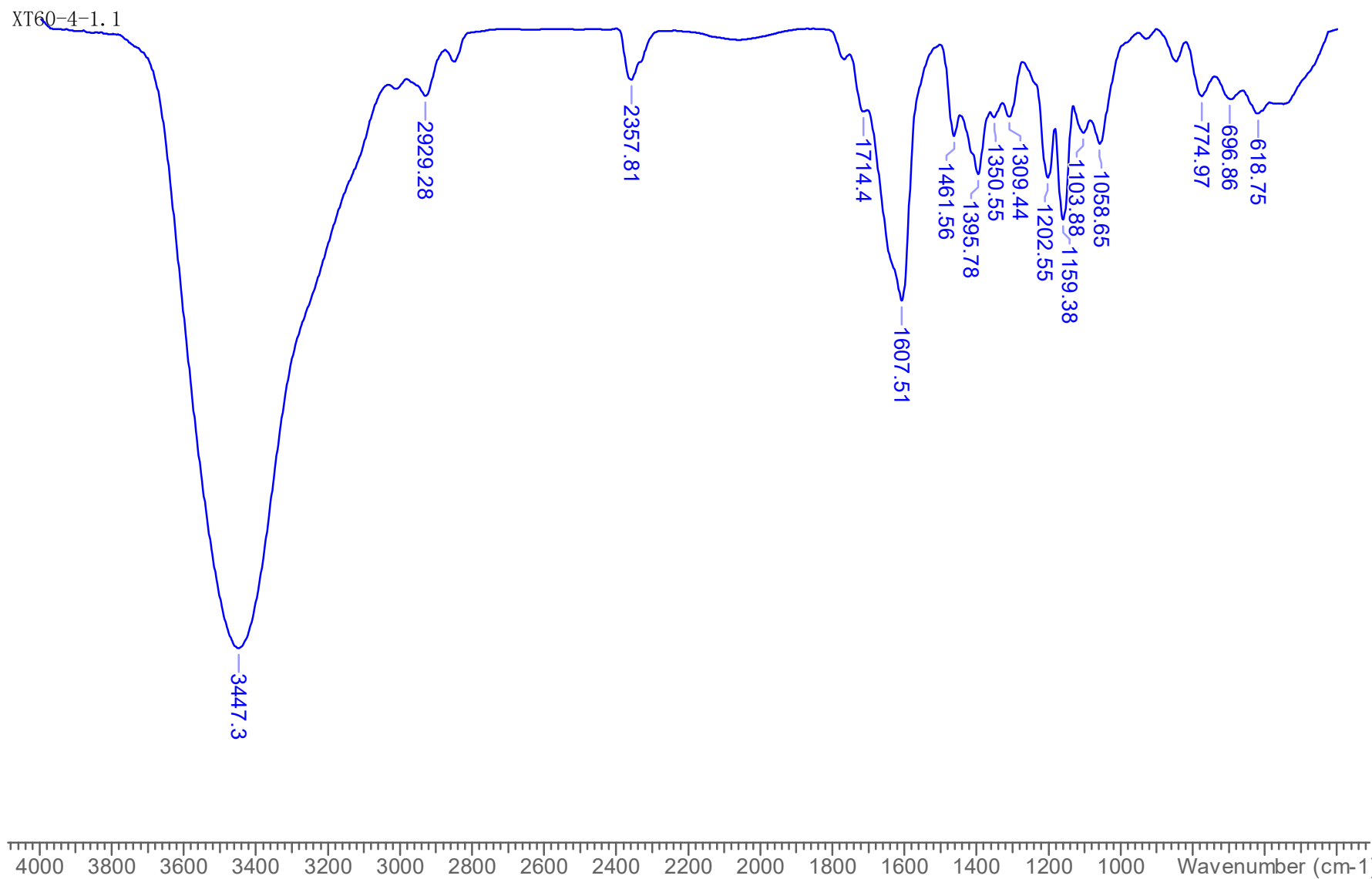


Figure S 26. IR spectrum of compound **4**

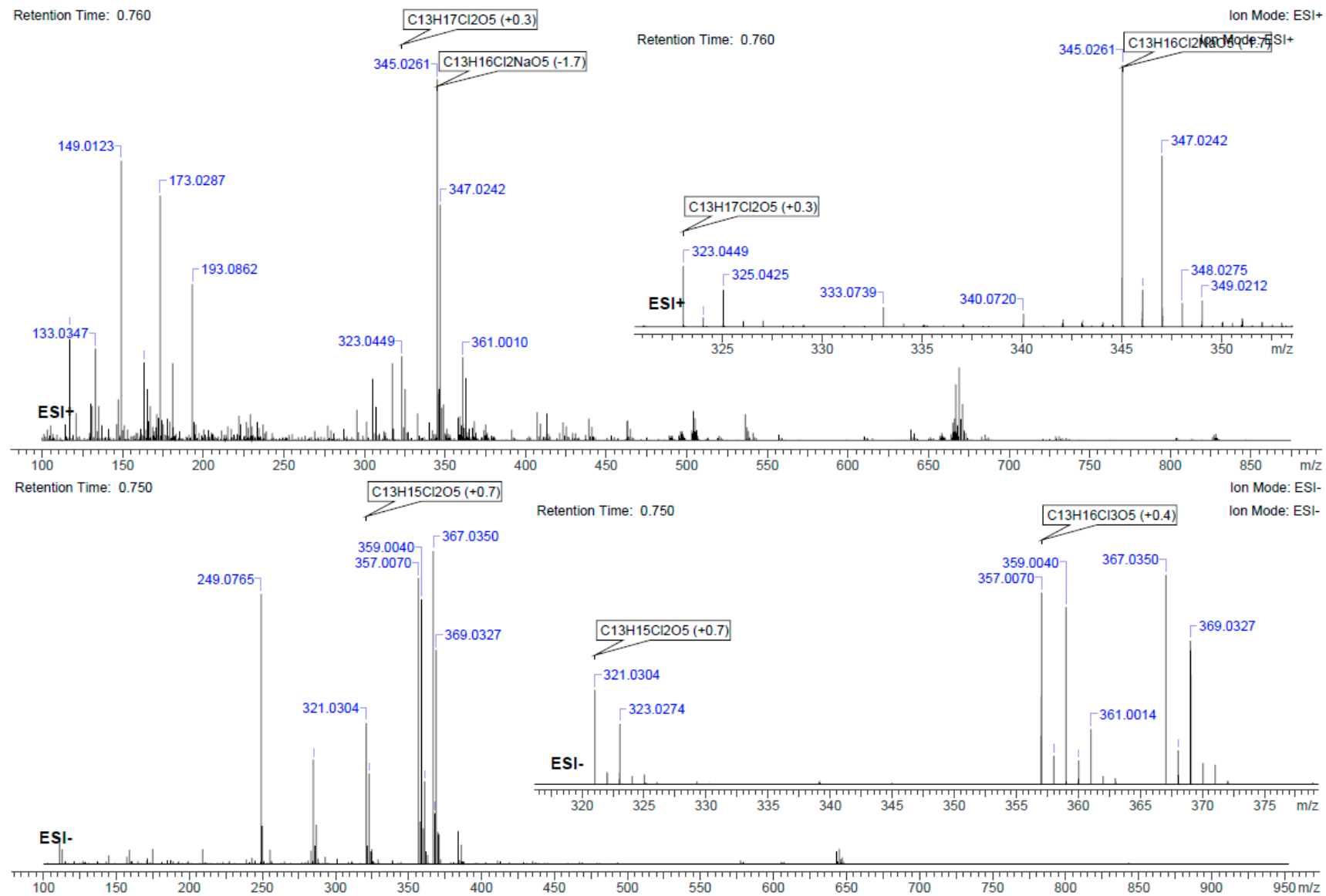


Figure S 27. HR-ESI-MS spectra of compound 4

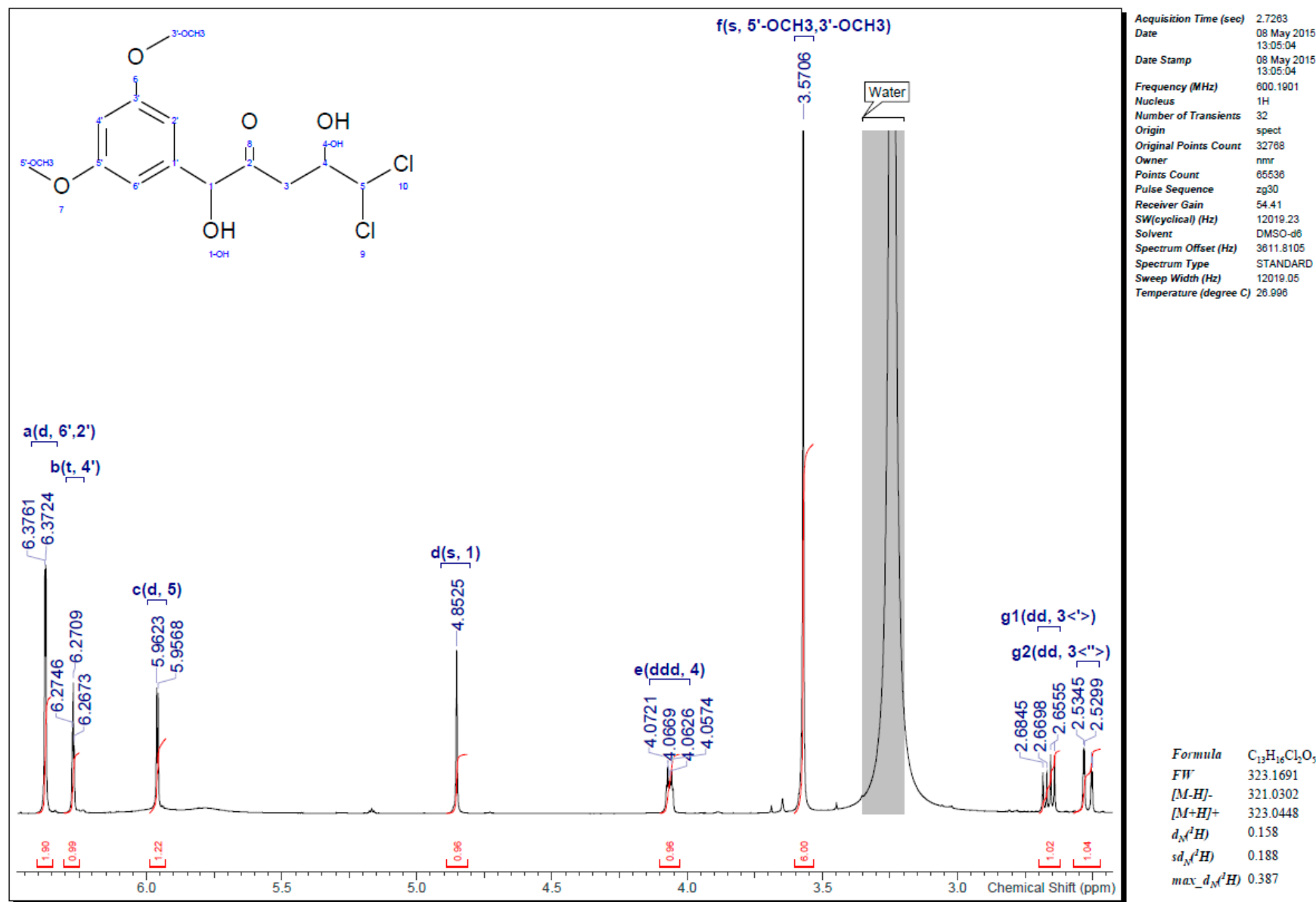


Figure S 28. ¹H-NMR (600 MHz, DMSO-*d*₆) of compound 4

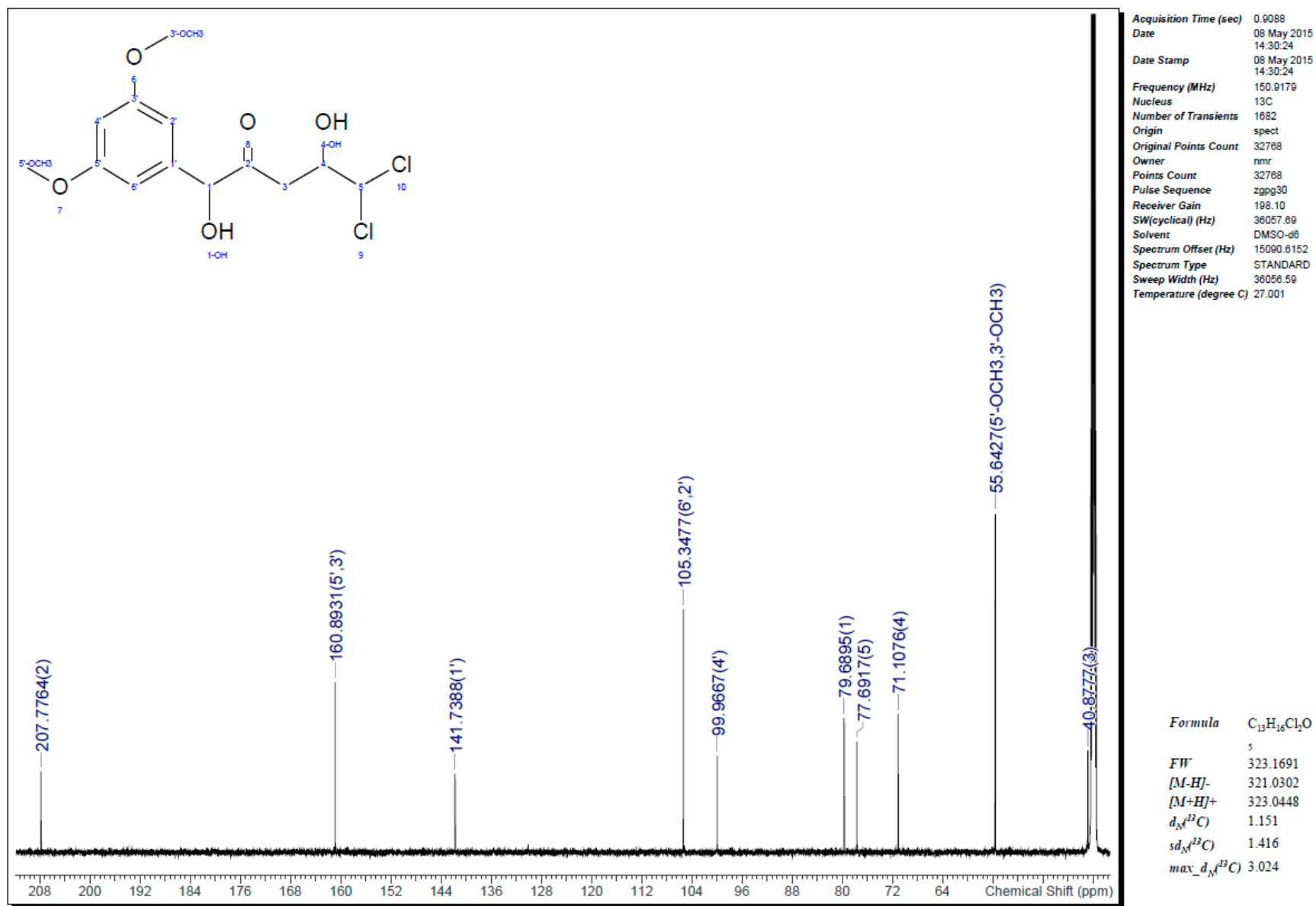


Figure S 29. ^{13}C -NMR (150 MHz, DMSO- d_6) of compound 4

DEPT.esp

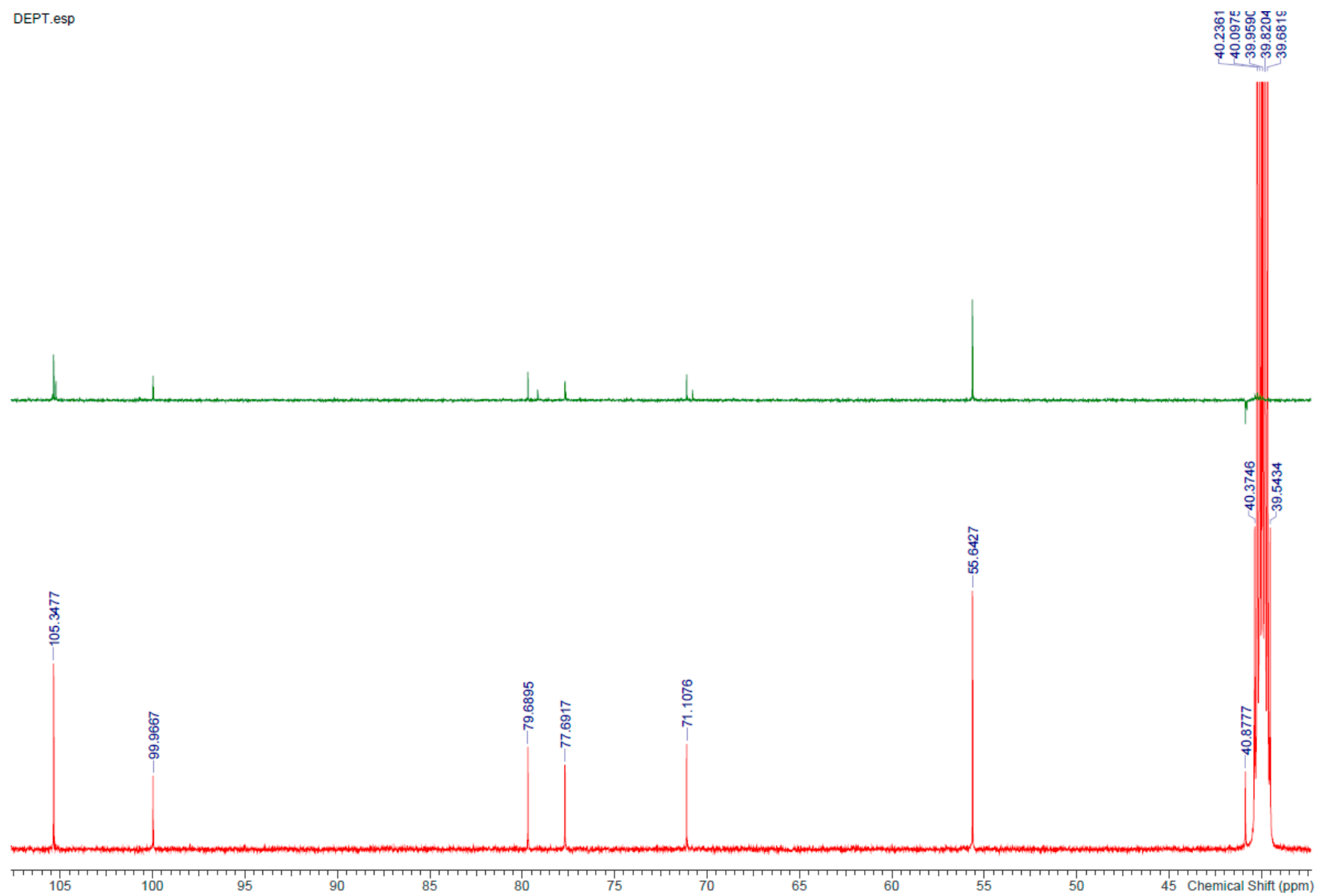


Figure S 30. DEPT of compound 4

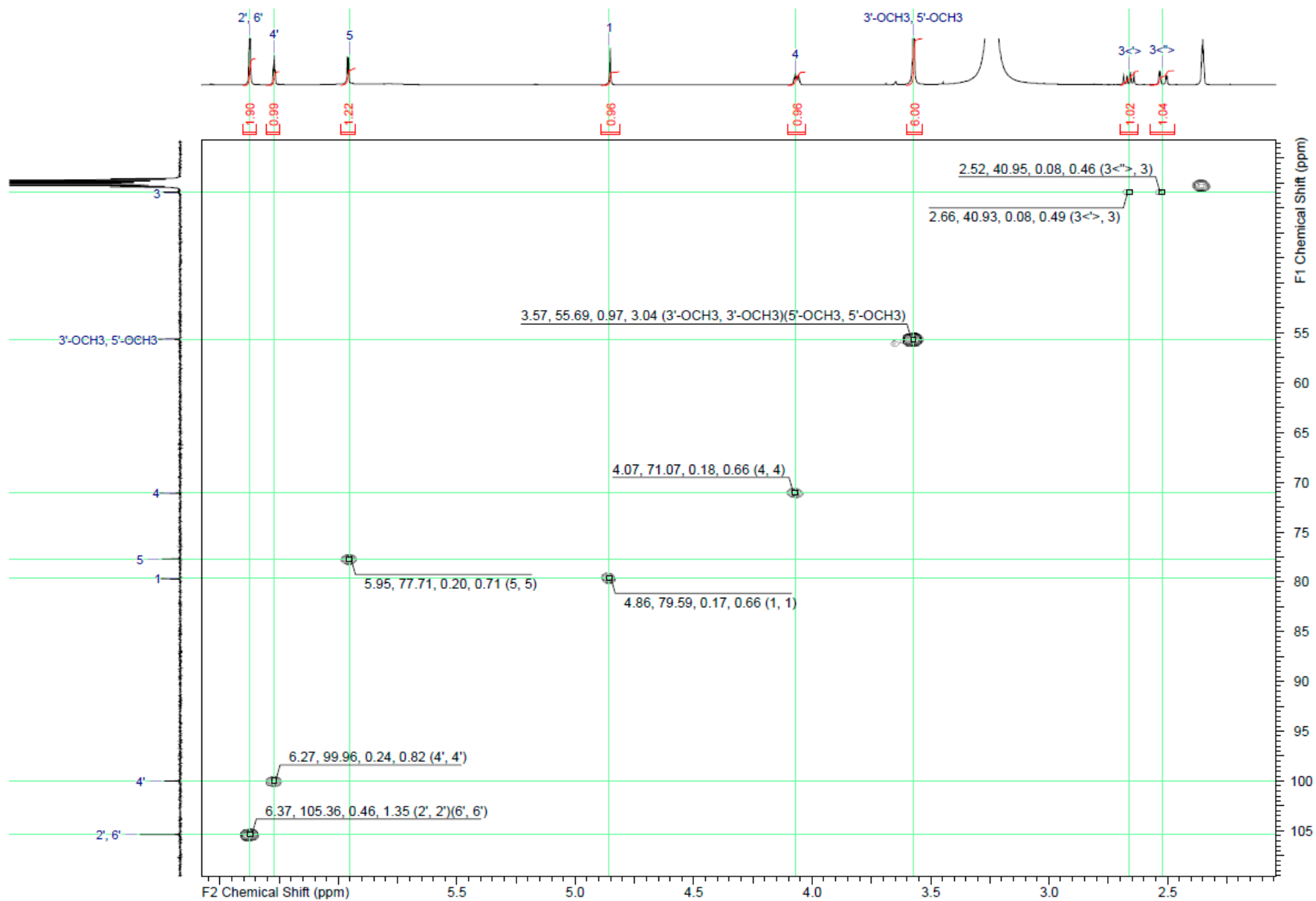


Figure S 31. HSQC of compound 4

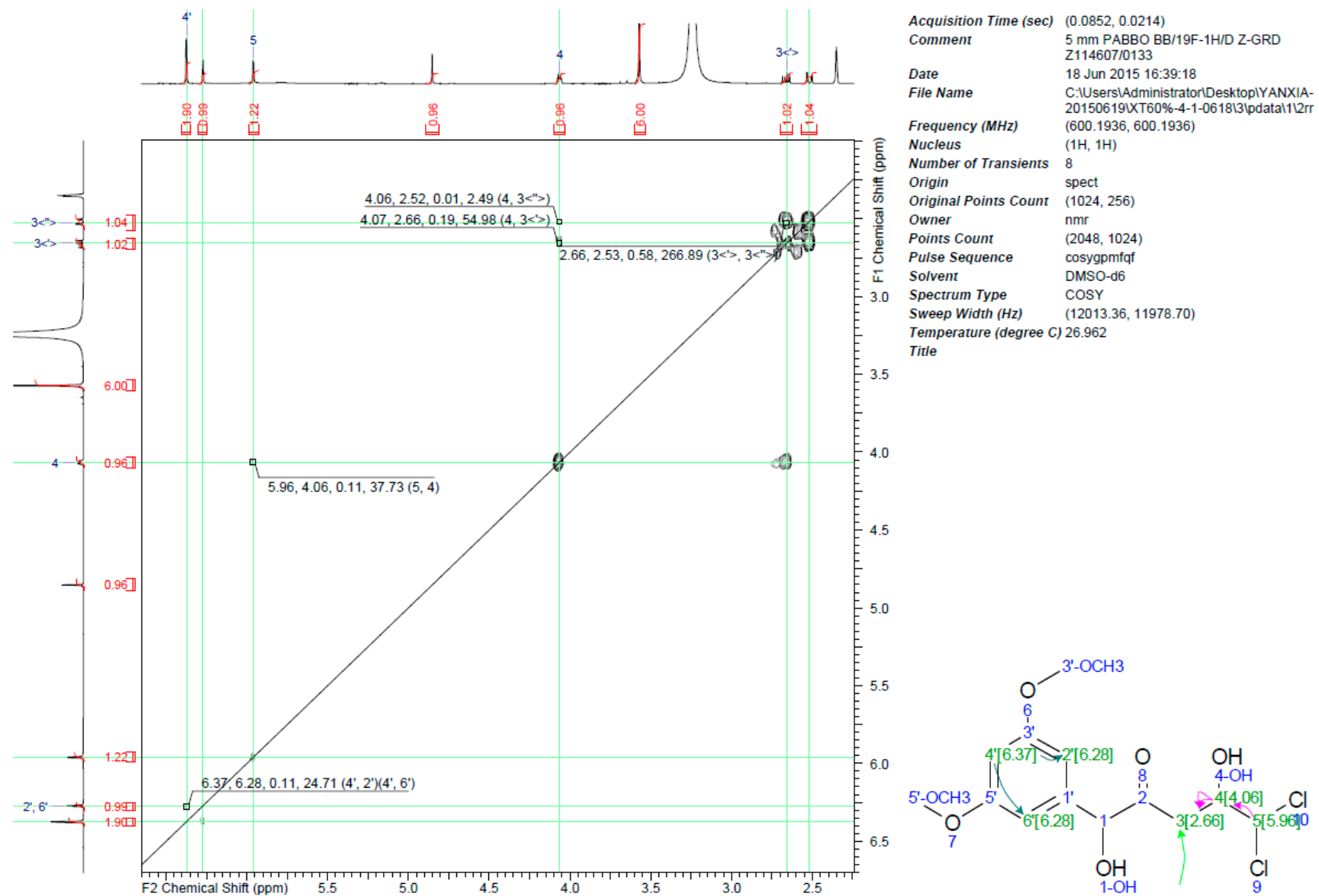


Figure S 32. ¹H-¹H COSY of compound 4

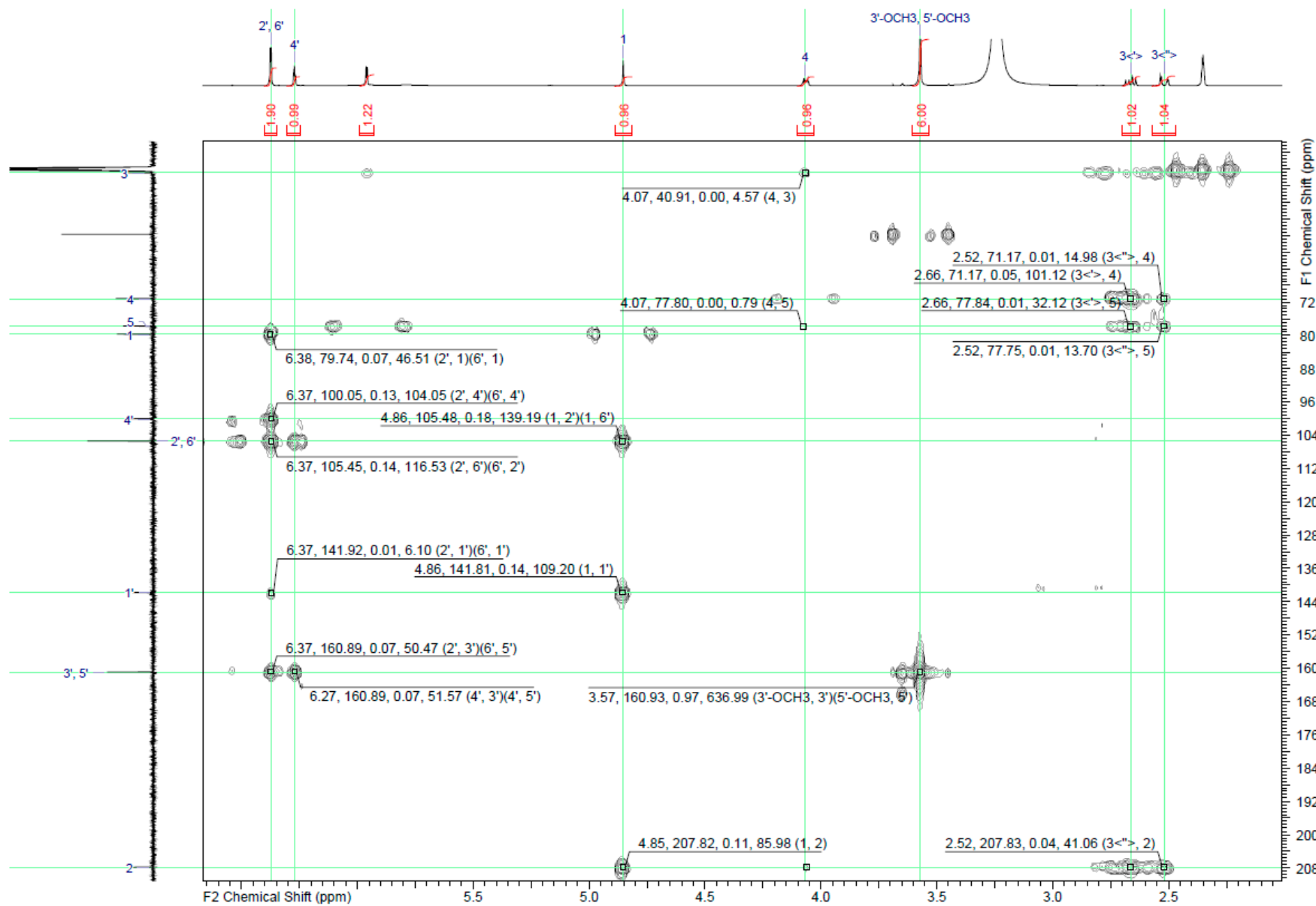


Figure S 33. HMBC of compound 4

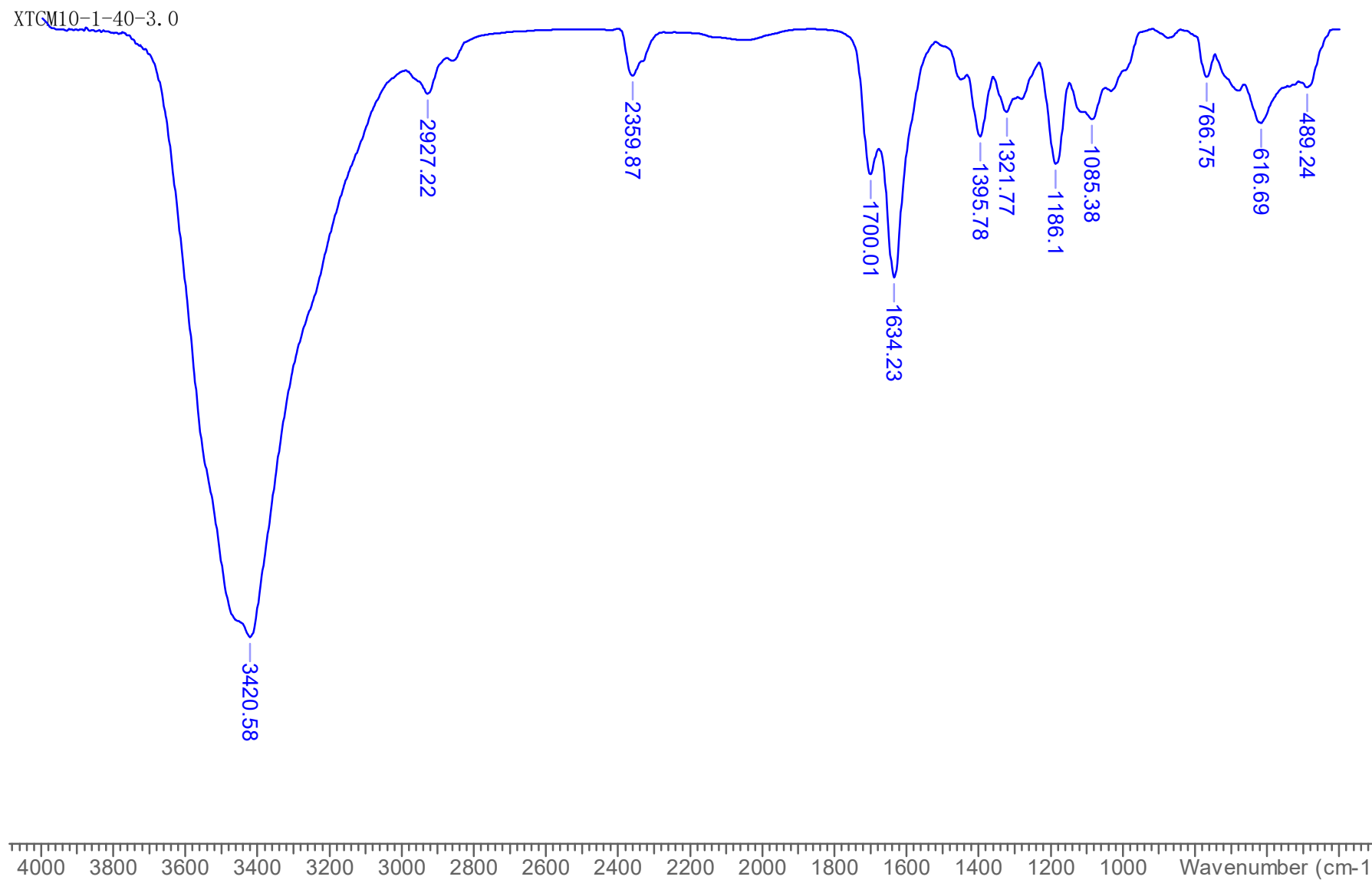
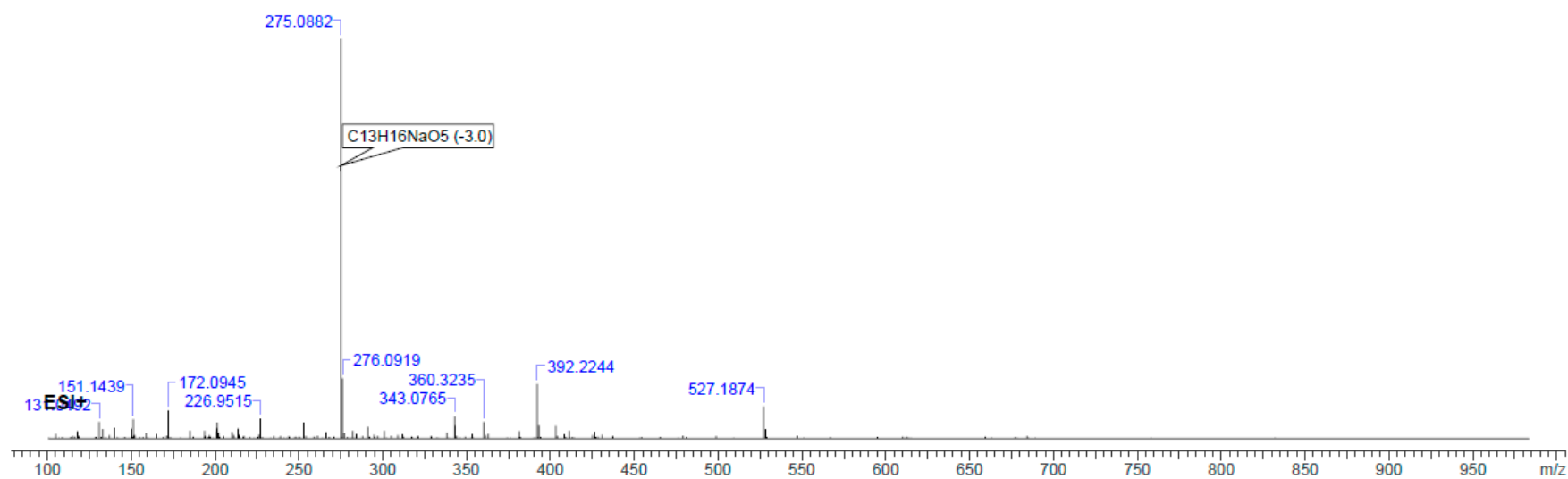


Figure S 34. IR spectrum of compound 5

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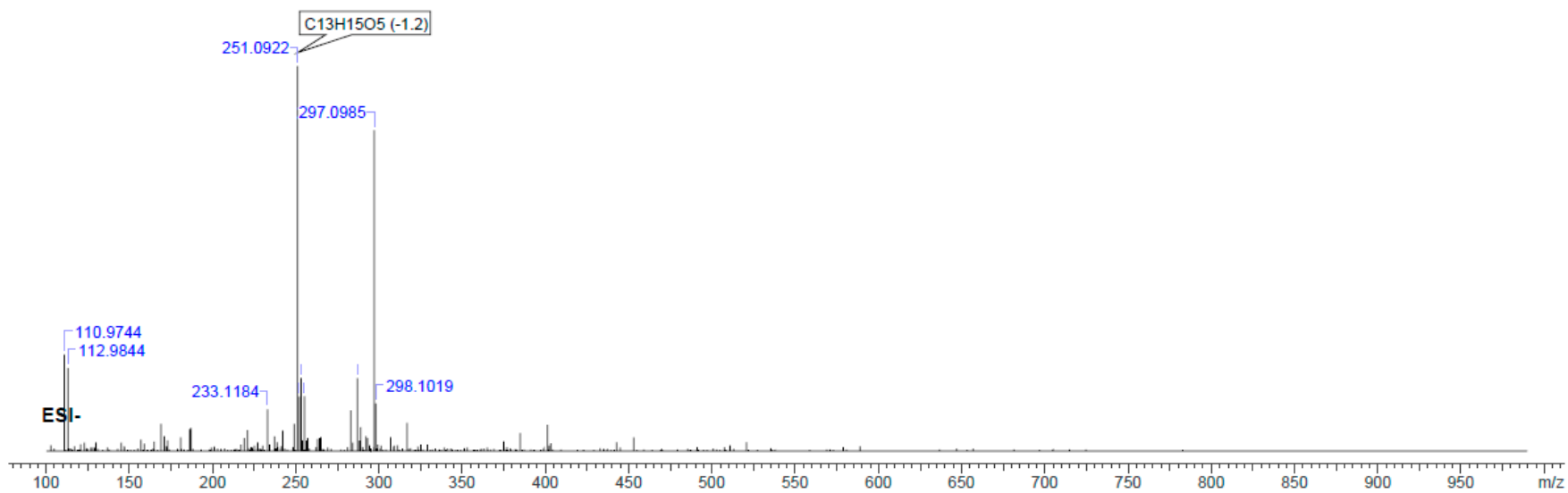


Figure S 35. HR-ESI-MS spectra of compound 5

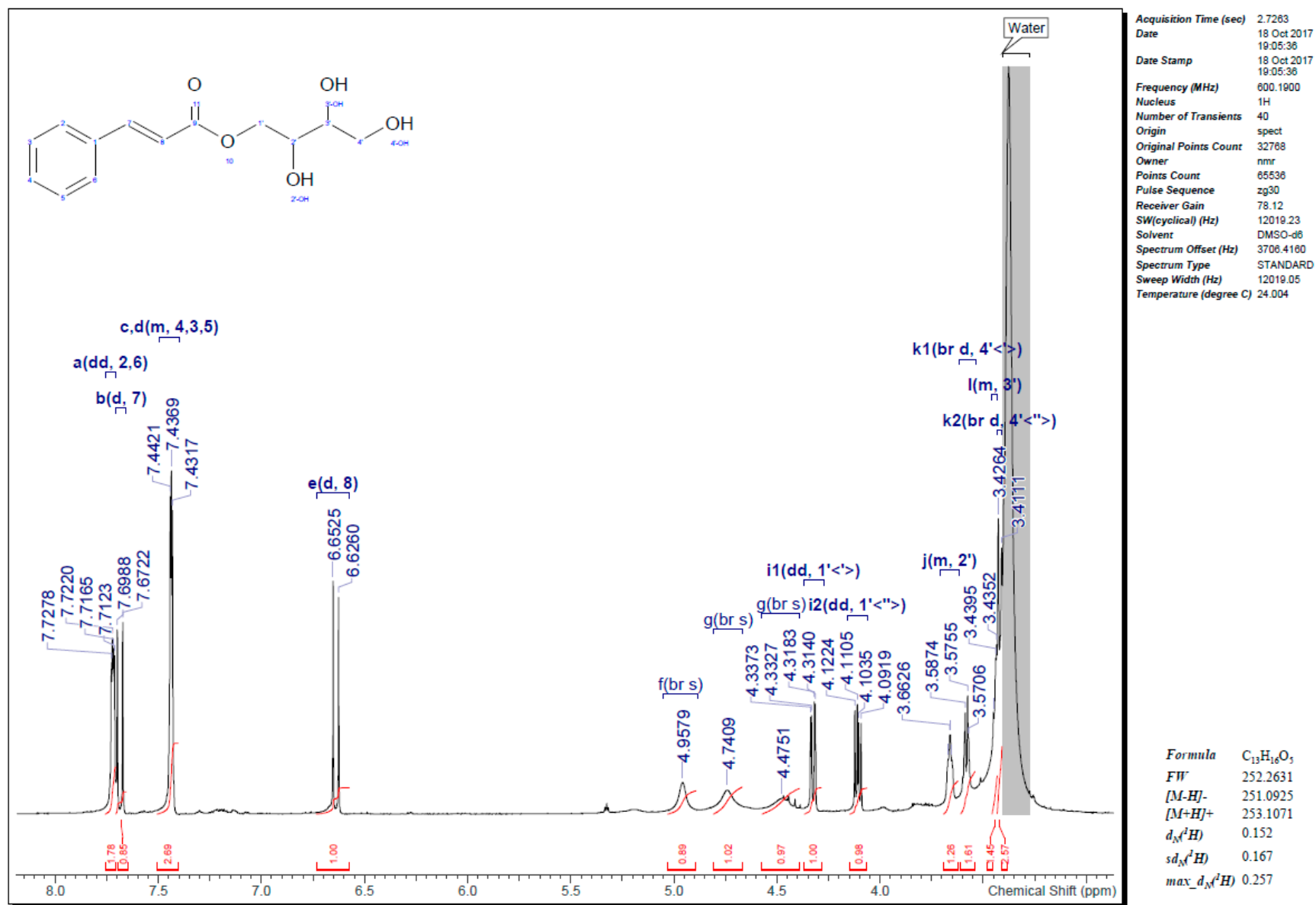


Figure S 36. ^1H -NMR (600 MHz, DMSO- d_6) of compound 5

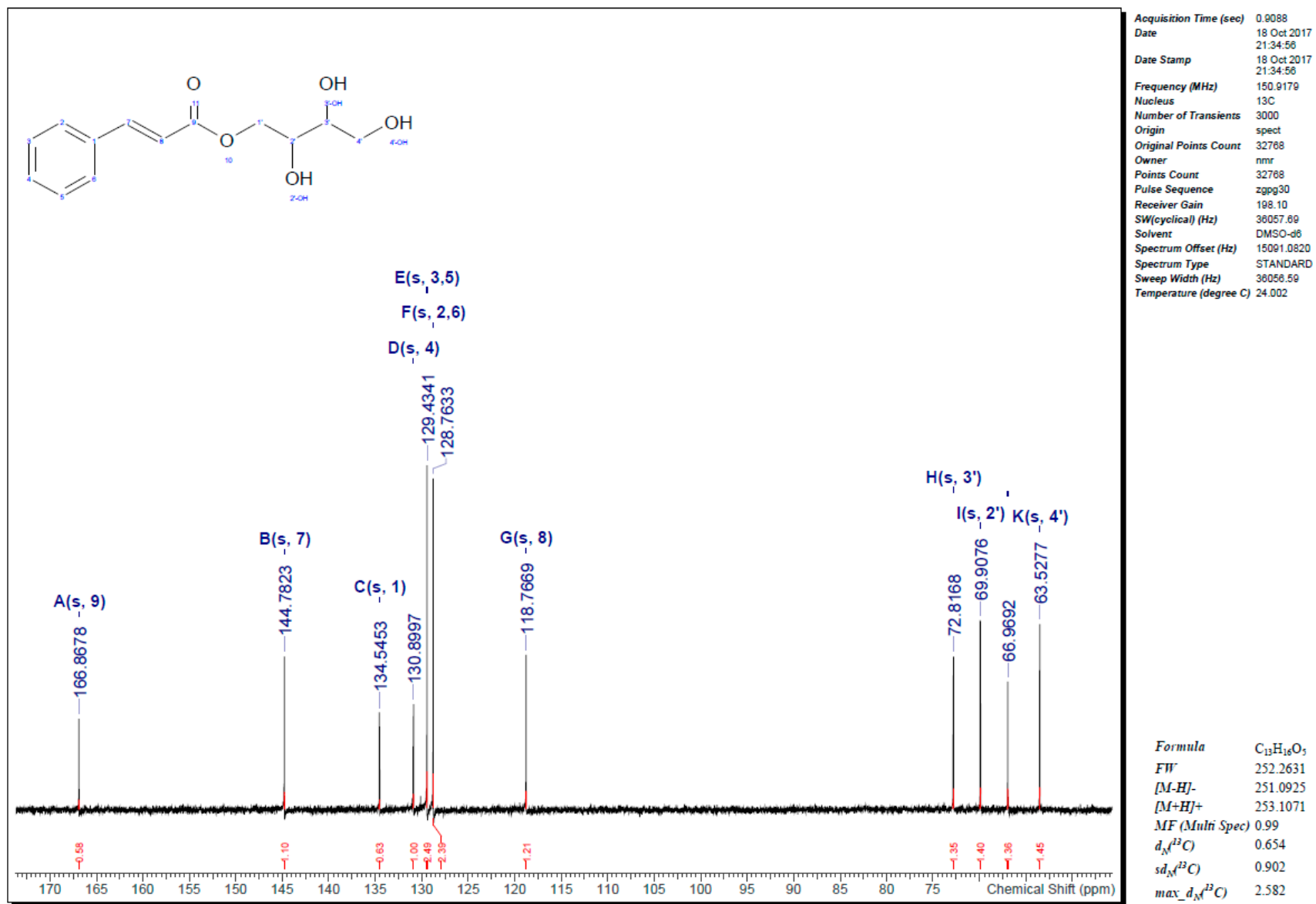


Figure S 37. ¹³C-NMR (150 MHz, DMSO-d₆) of compound 5

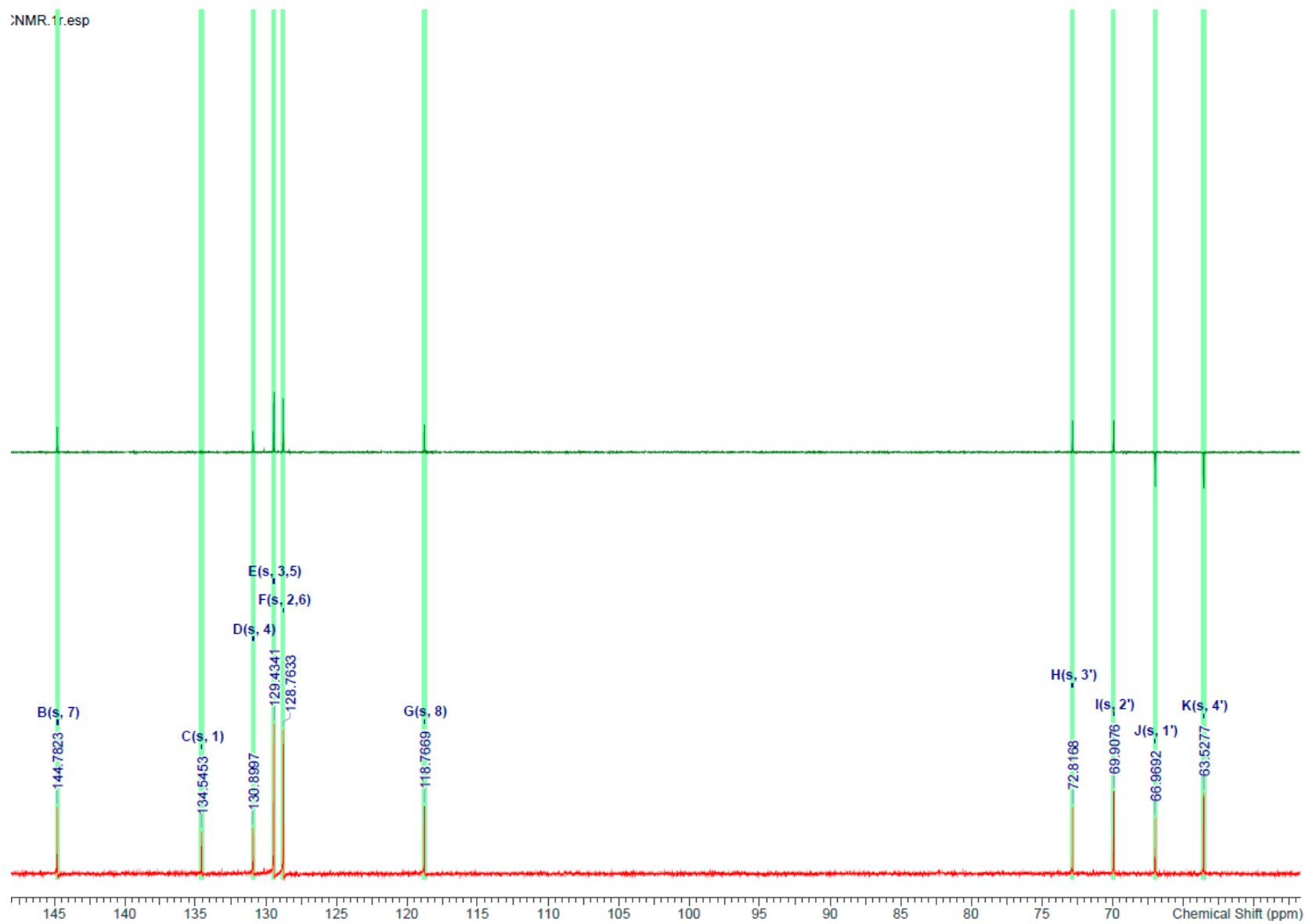


Figure S 38. DEPT of compound 5

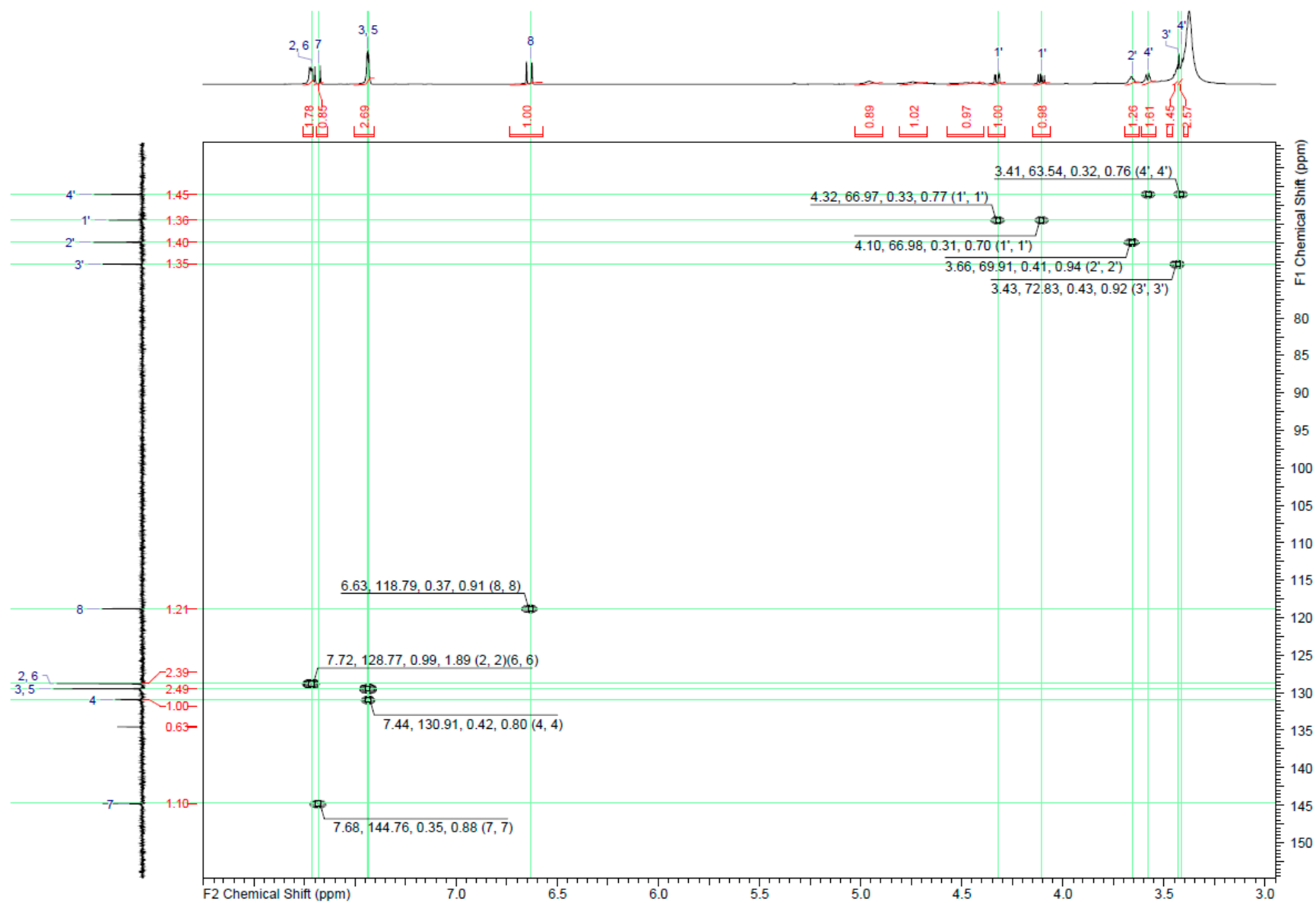
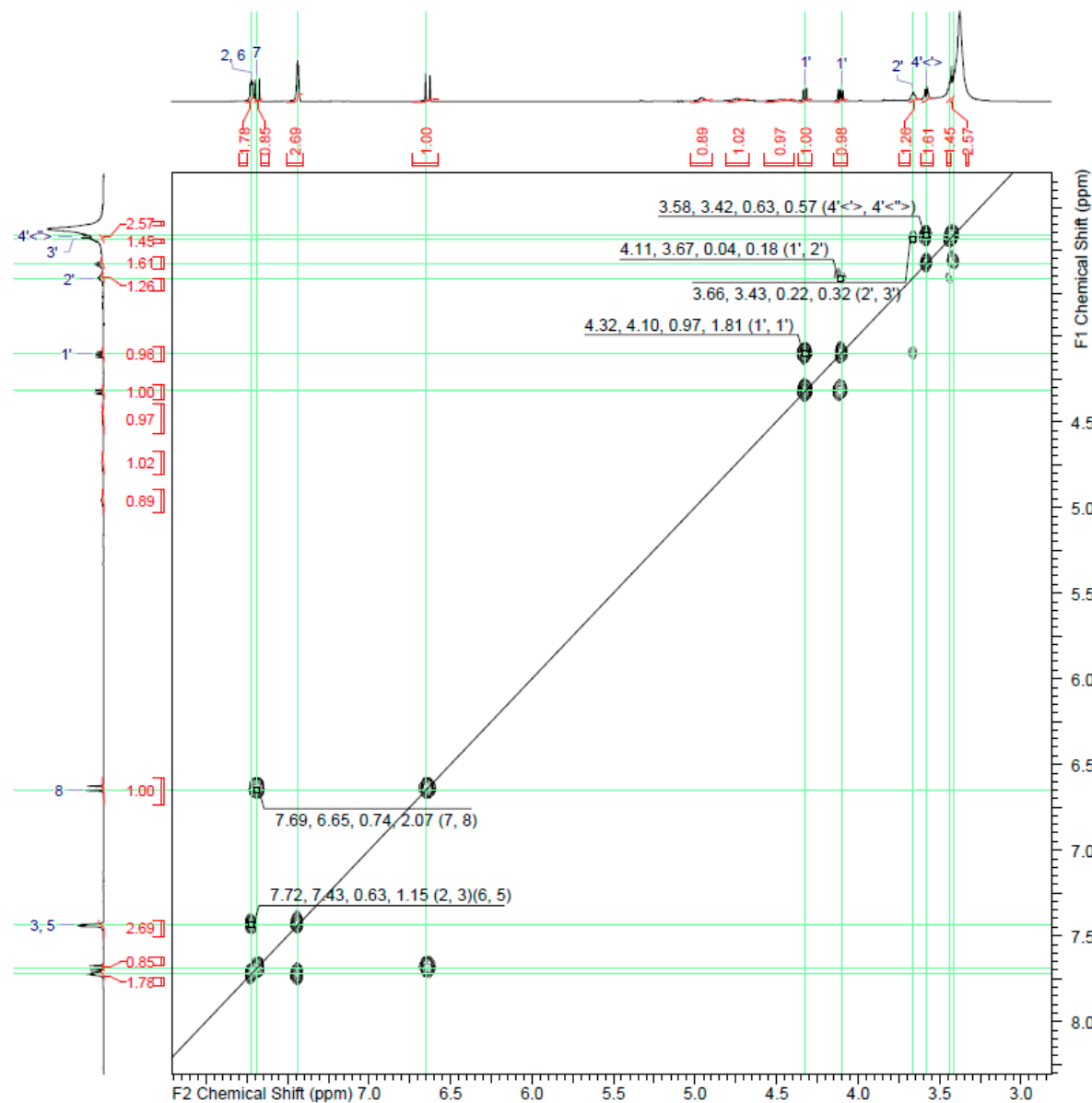


Figure S 39. HSQC of compound 5



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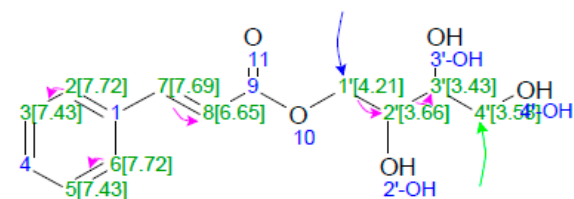


Figure S 40. ^1H - ^1H COSY of compound 5

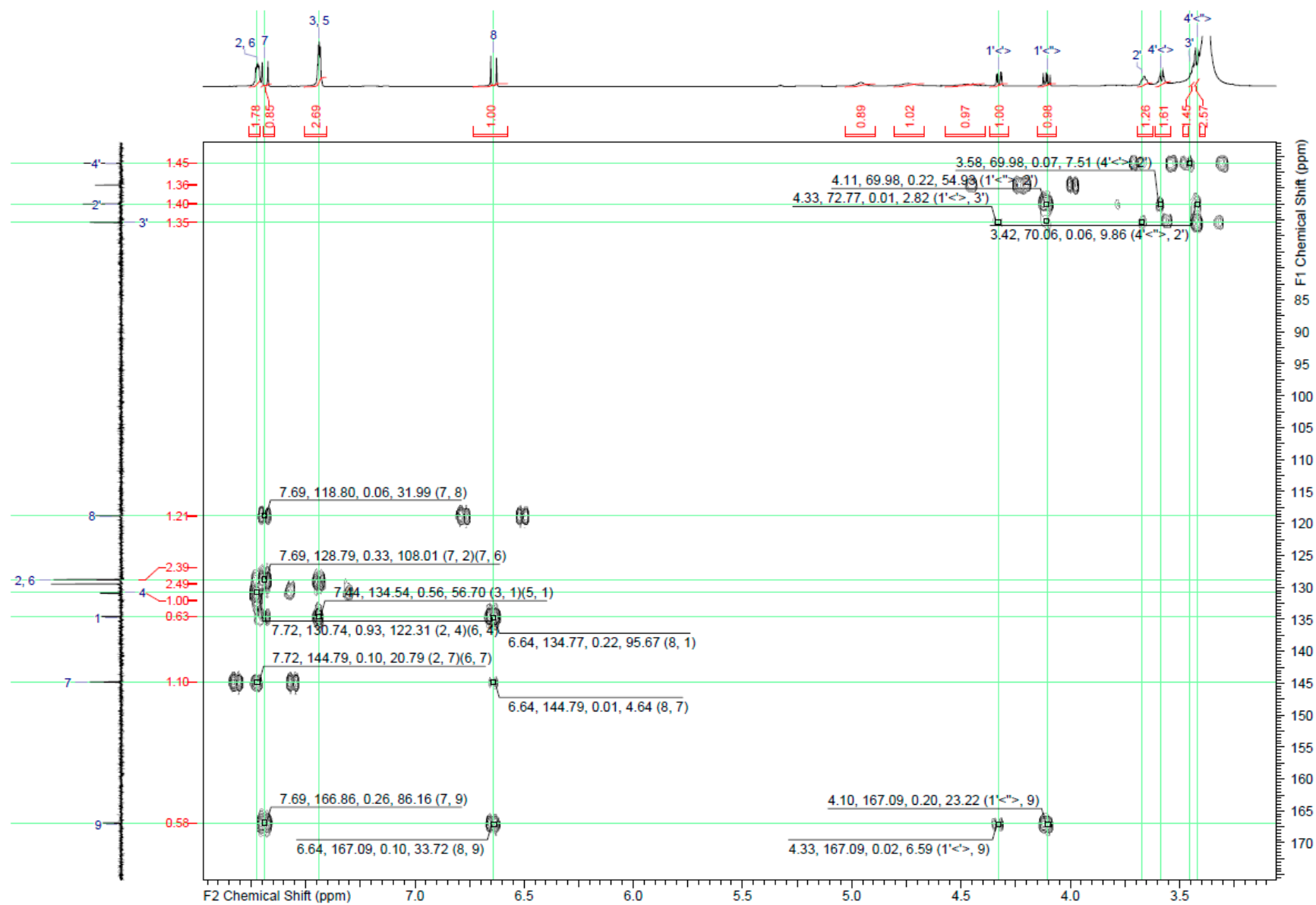


Figure S 41. HMBC of compound 5



Figure S 42. Colony morphology photograph of *Penicillium citreonigrum* XT20-134.