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Supporting Information

Antibacterial and Antibiofilm Activity of Flavonoid and Saponin Derivatives from *Atriplex tatarica* against *Pseudomonas aeruginosa*

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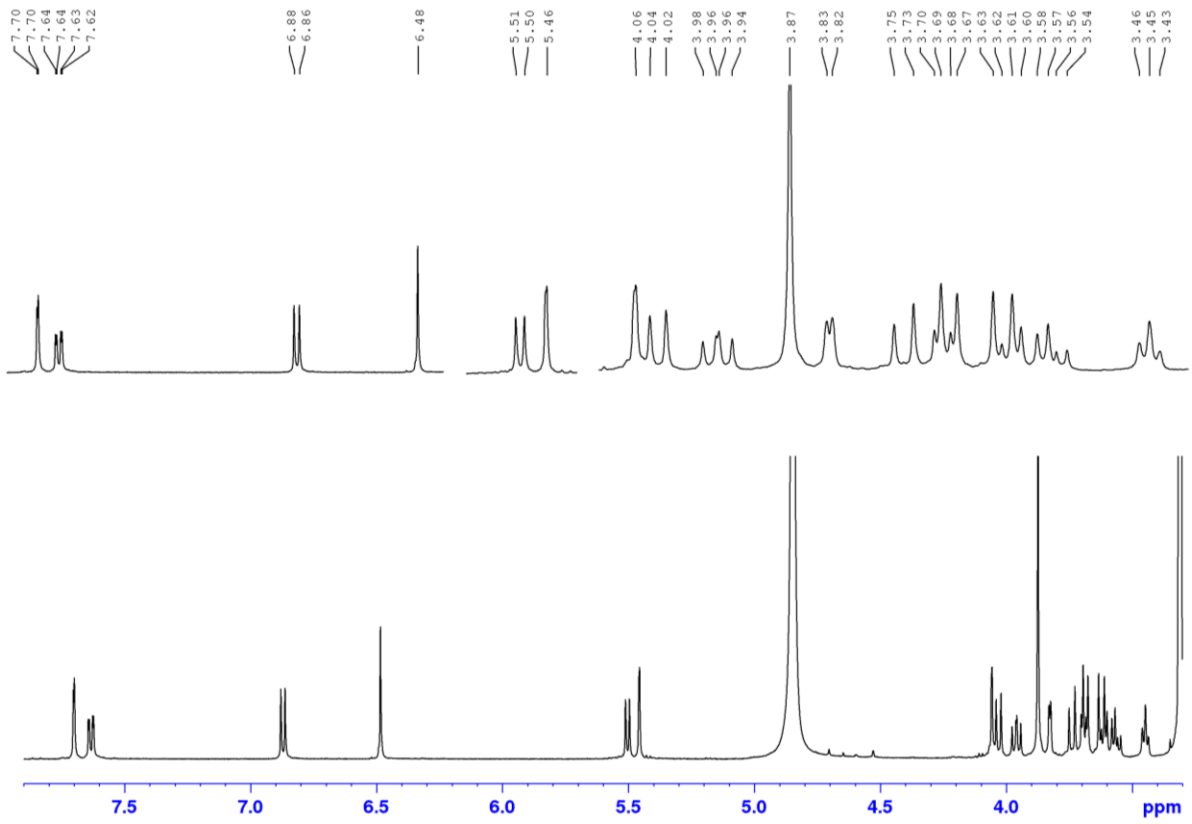

Figure S1. ^{1}H NMR spectrum of compound **1**

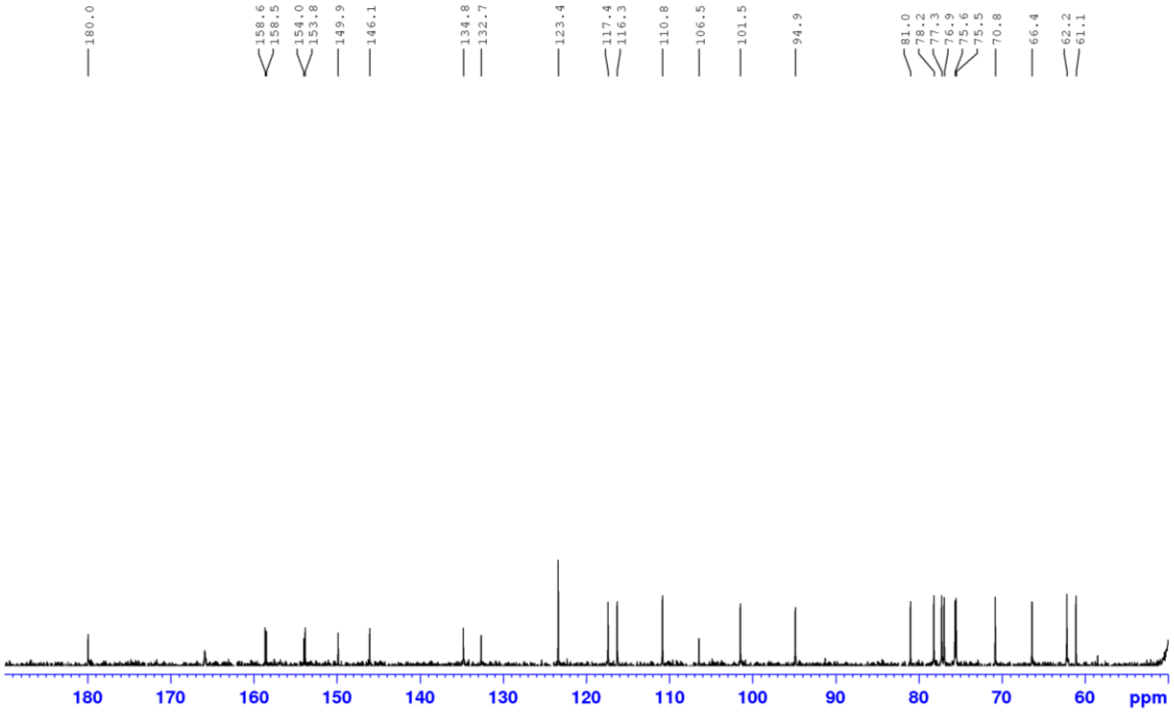

Figure S2. ^{13}C NMR spectrum of compound **1**

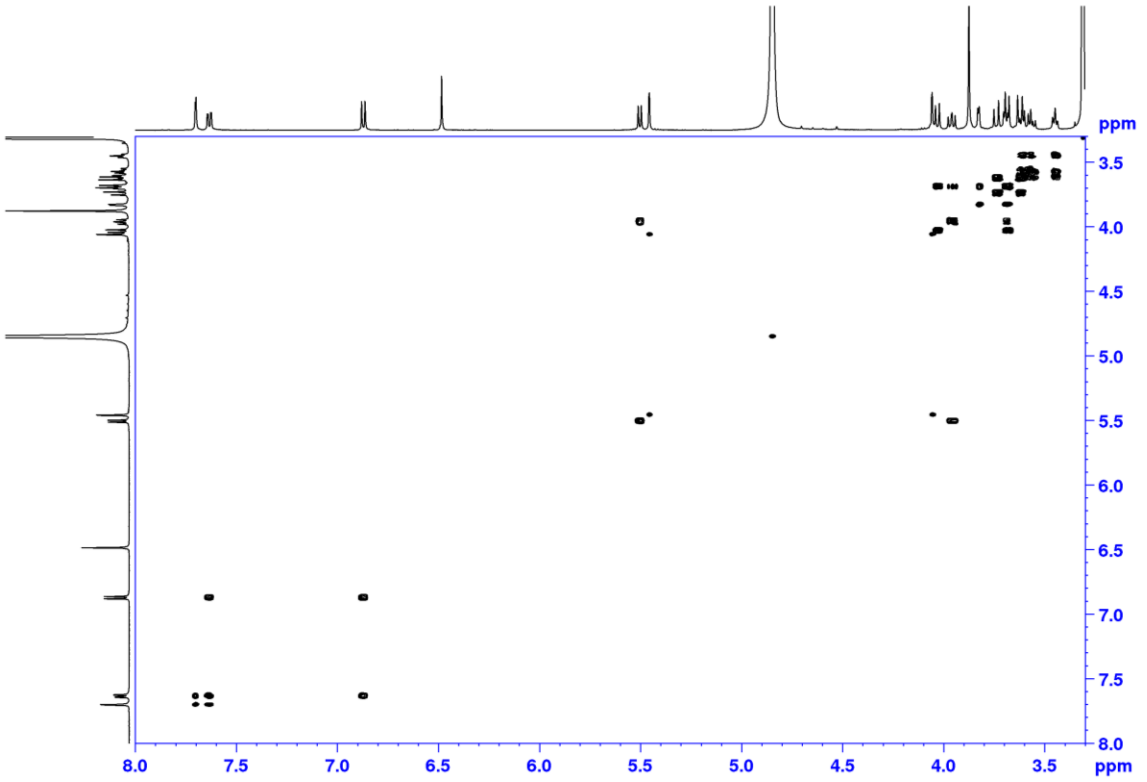

Figure S3. COSY spectrum of compound **1**

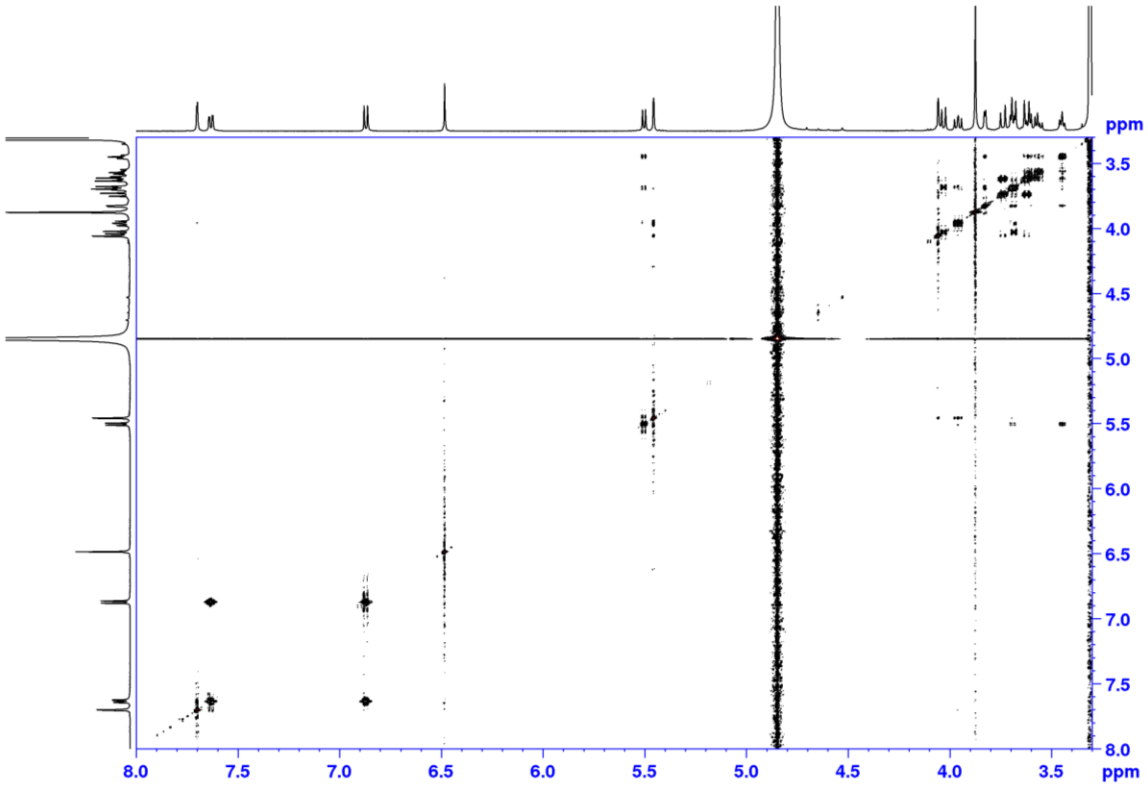

Figure S4. NOESY spectrum of compound **1**

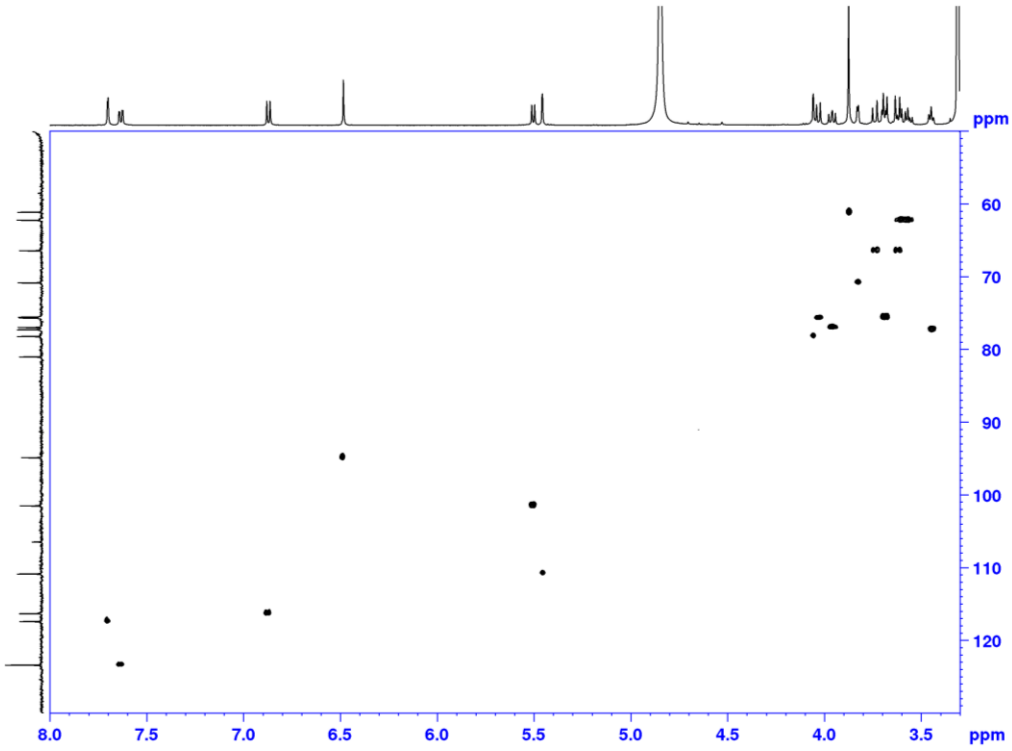

Figure S5. HSQC spectrum of compound **1**

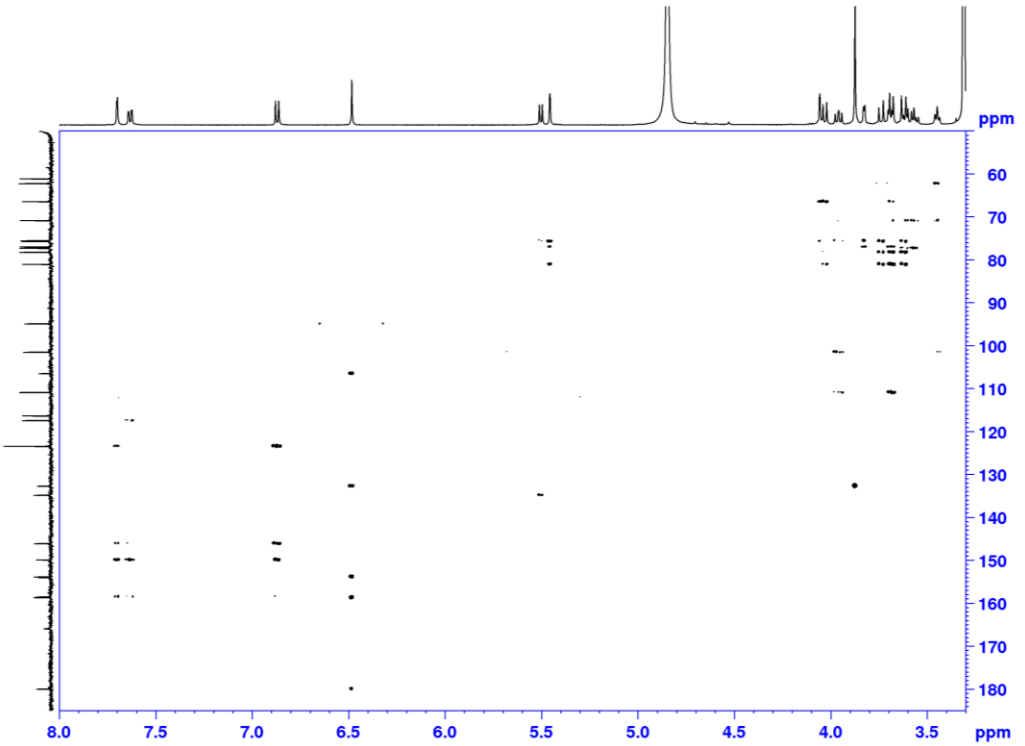

Figure S6. HMBC spectrum of compound **1**

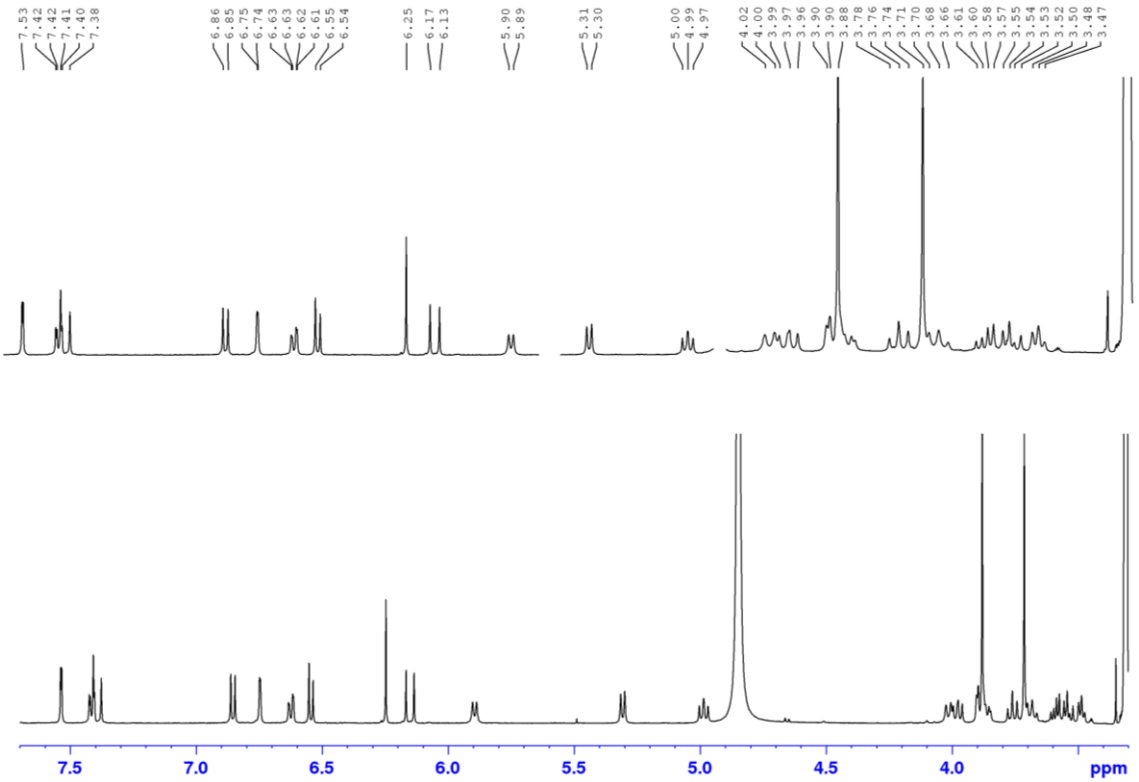

Figure S7. ^{1}H NMR spectrum of compound **2**

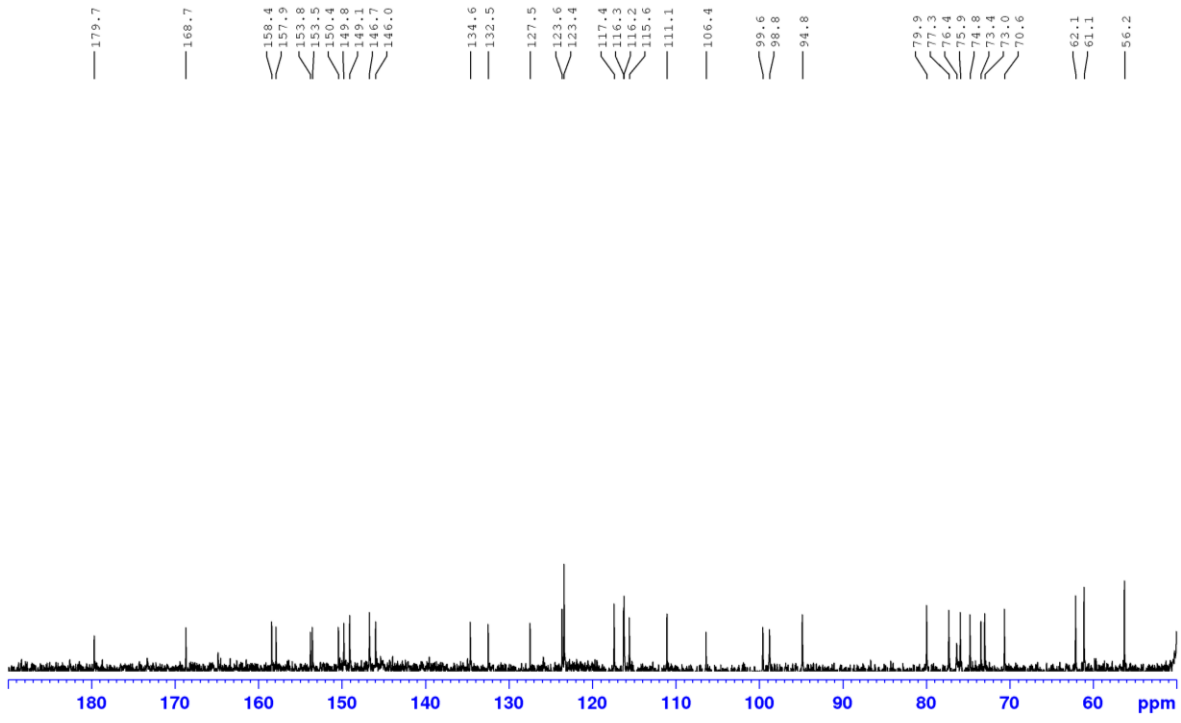

Figure S8. ^{13}C NMR spectrum of compound **2**

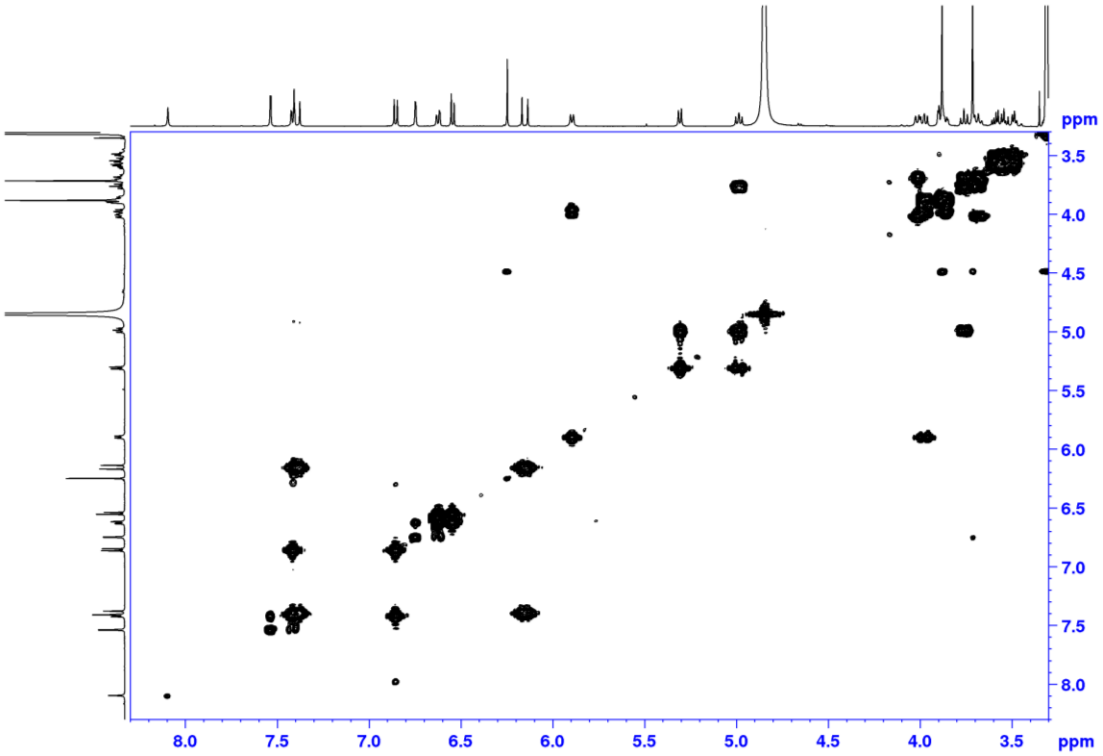

Figure S9. COSY spectrum of compound **2**

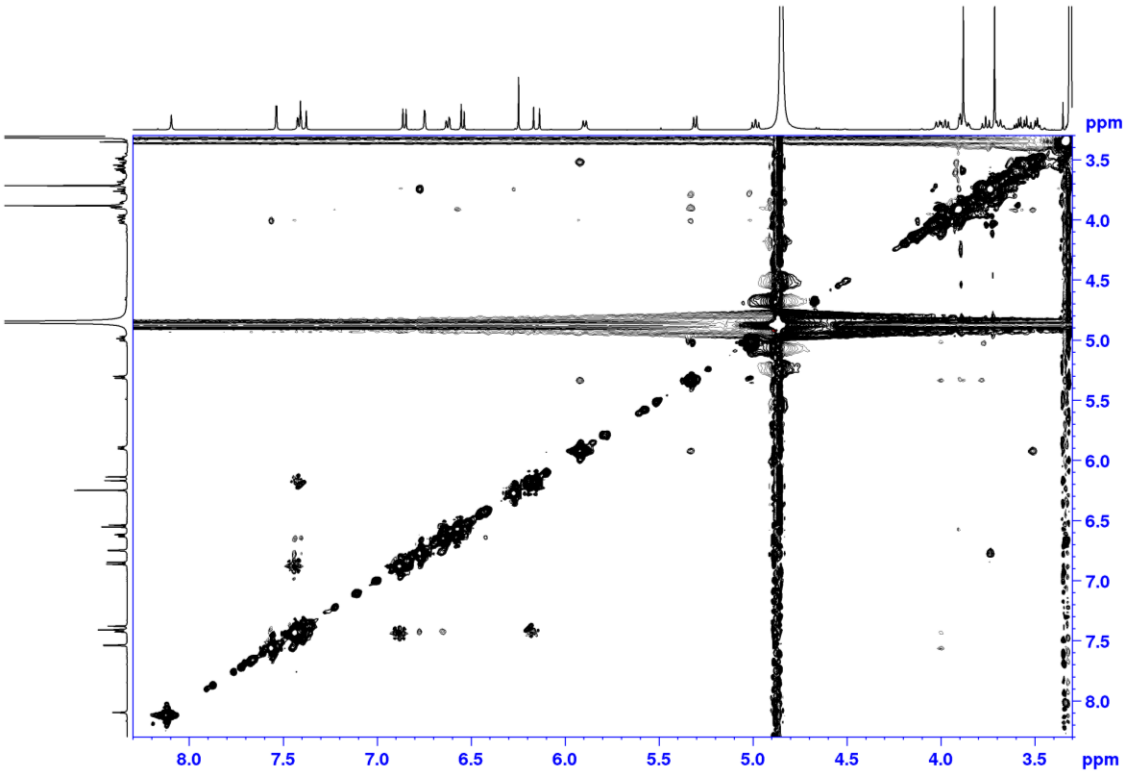

Figure S10. NOESY spectrum of compound **2**

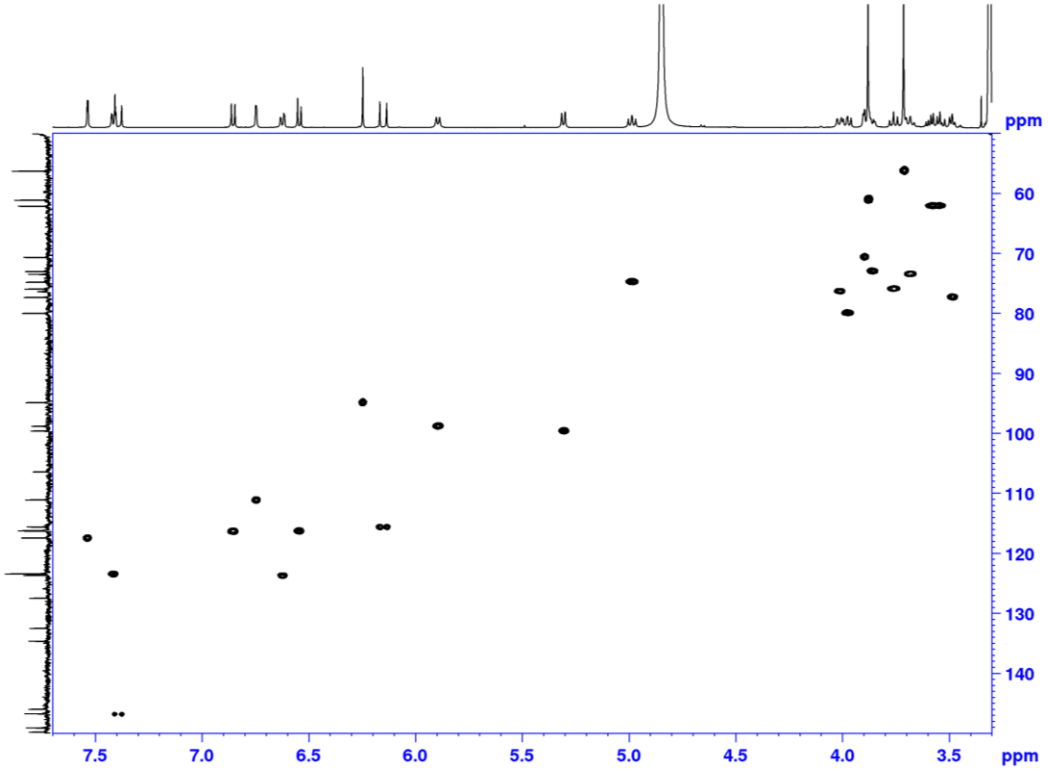

Figure S11. HSQC spectrum of compound **2**

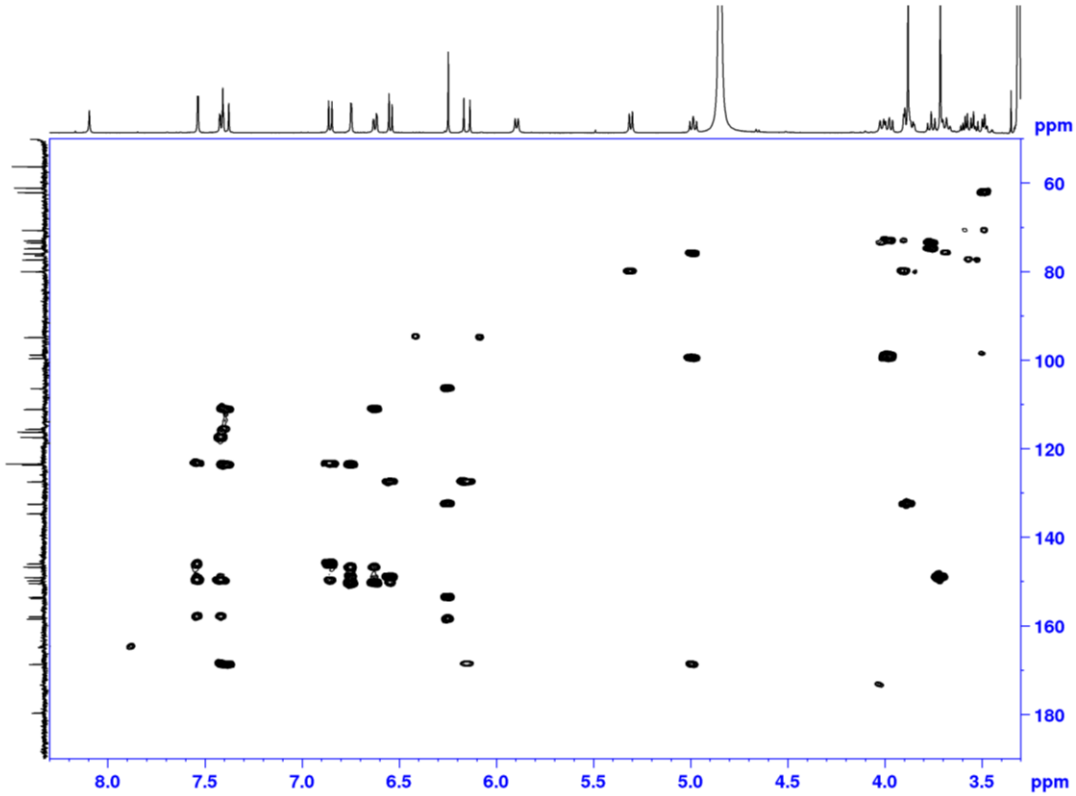

Figure S12. HMBC spectrum of compound **2**

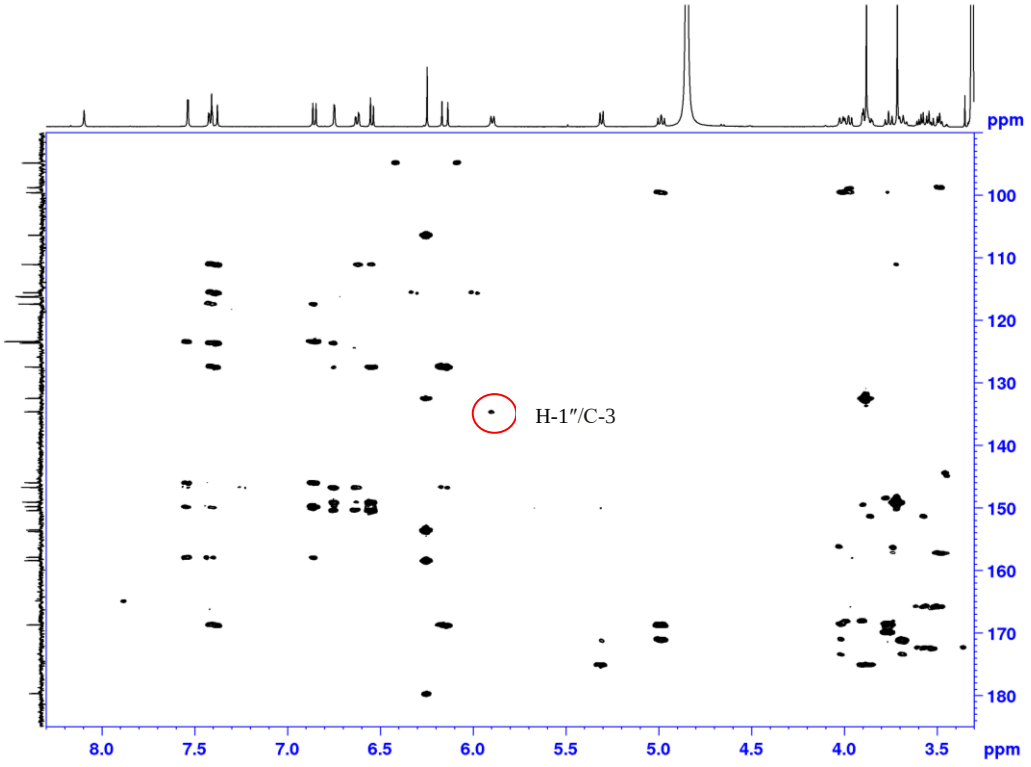

Figure S13. HMBC spectrum of compound **2** with correlation H-1″/C-3

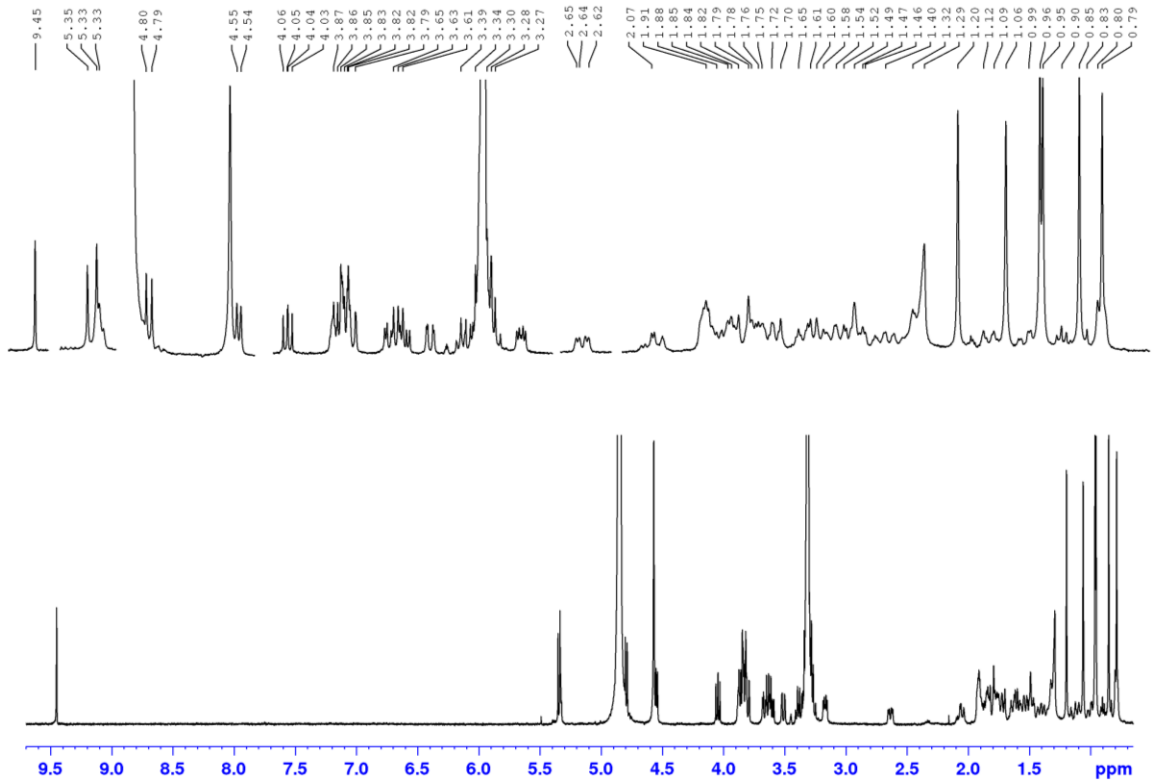

Figure S14. ^{1}H NMR spectrum of compound **3**

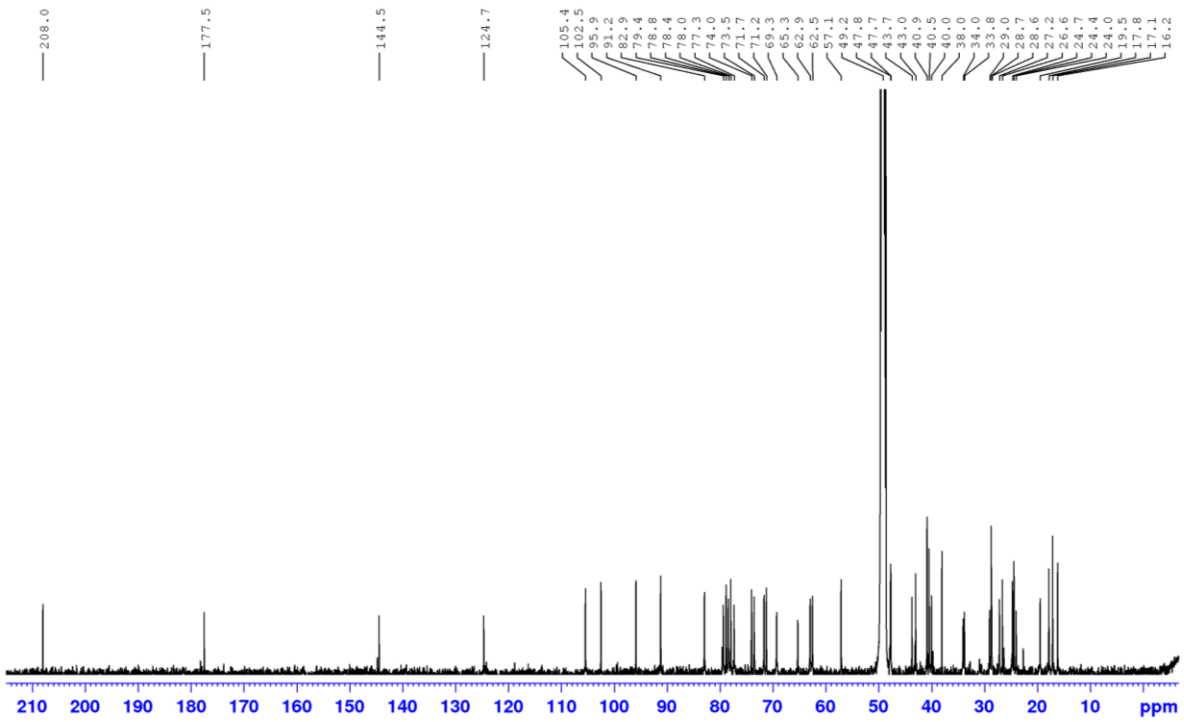

Figure S15. ^{13}C NMR spectrum of compound **3**

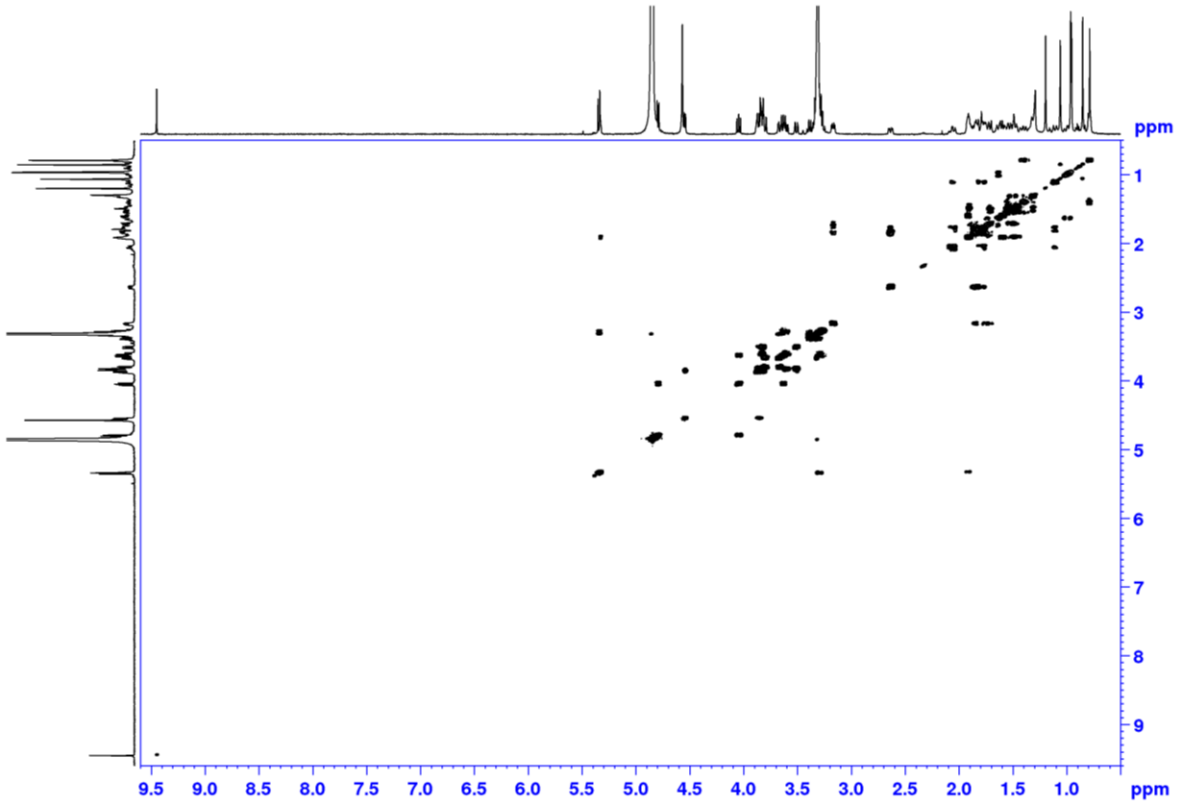

Figure S16. COSY spectrum of compound **3**

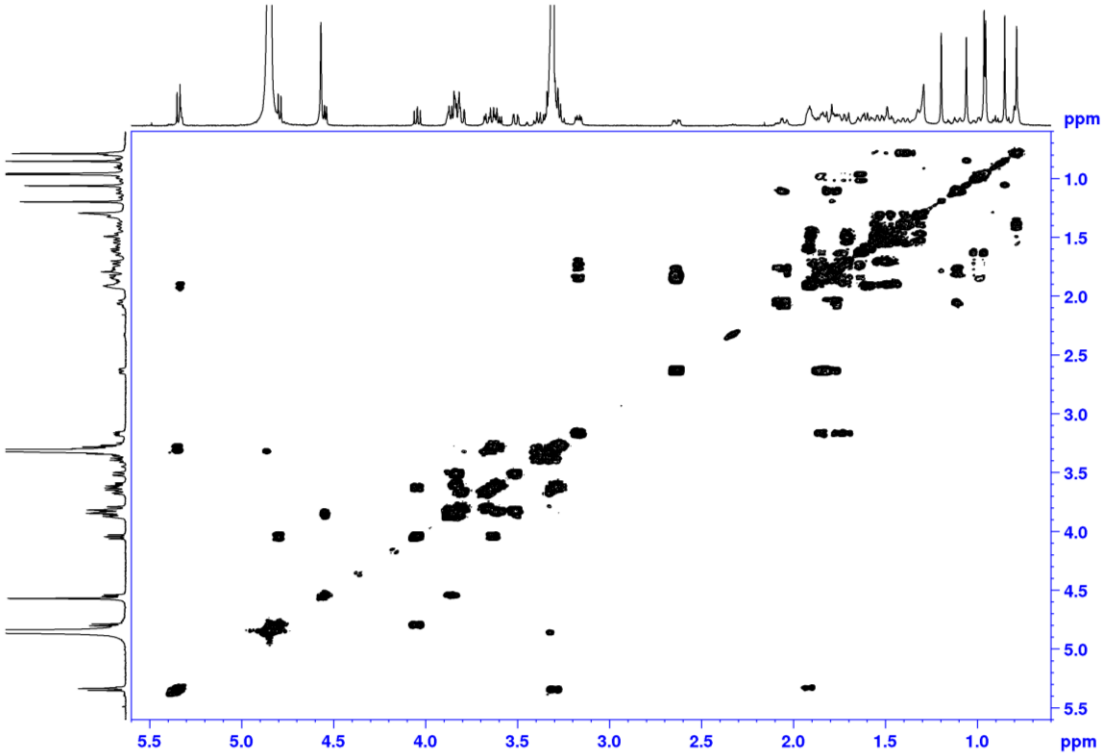

Figure S17. COSY spectrum of compound **3** from 0-5.5 ppm

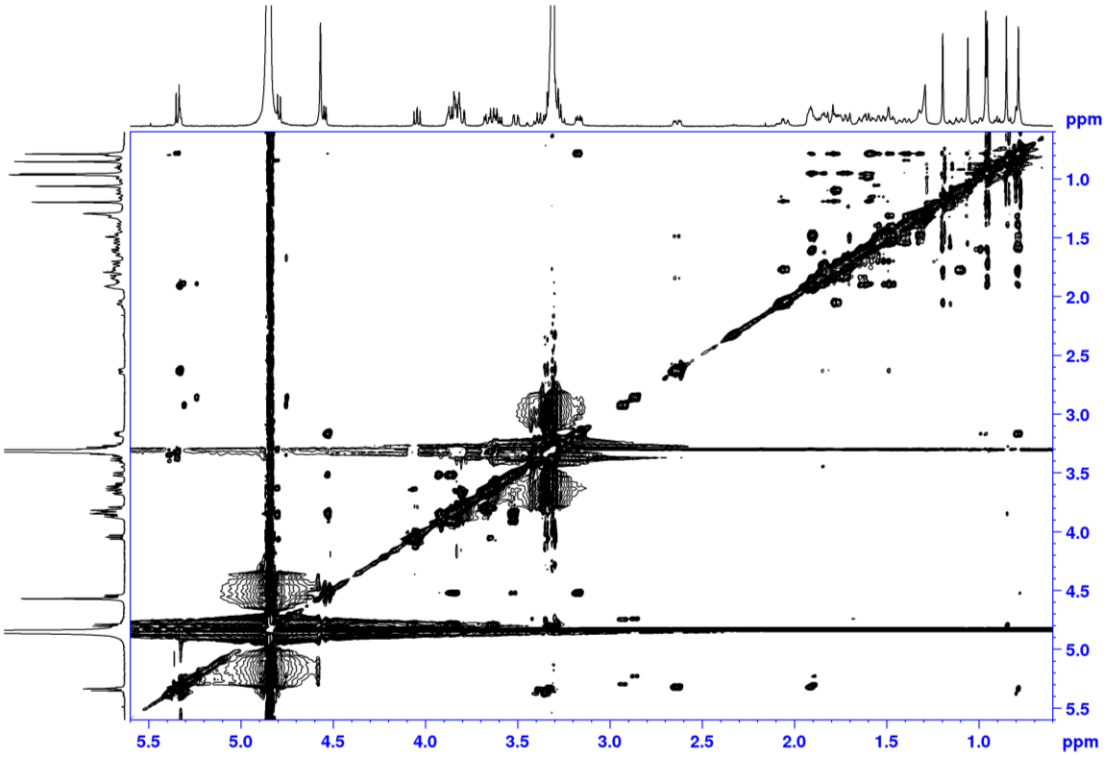

Figure S18. NOESY spectrum of compound **3**

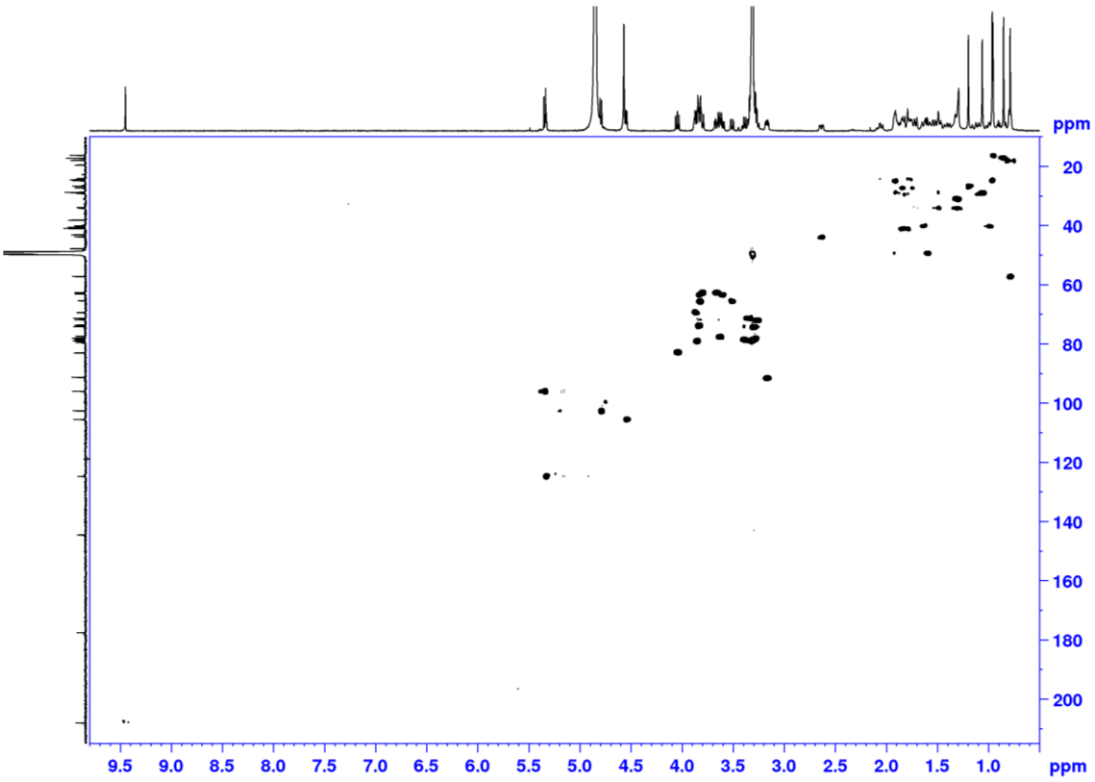

Figure S19. HSQC spectrum of compound **3**

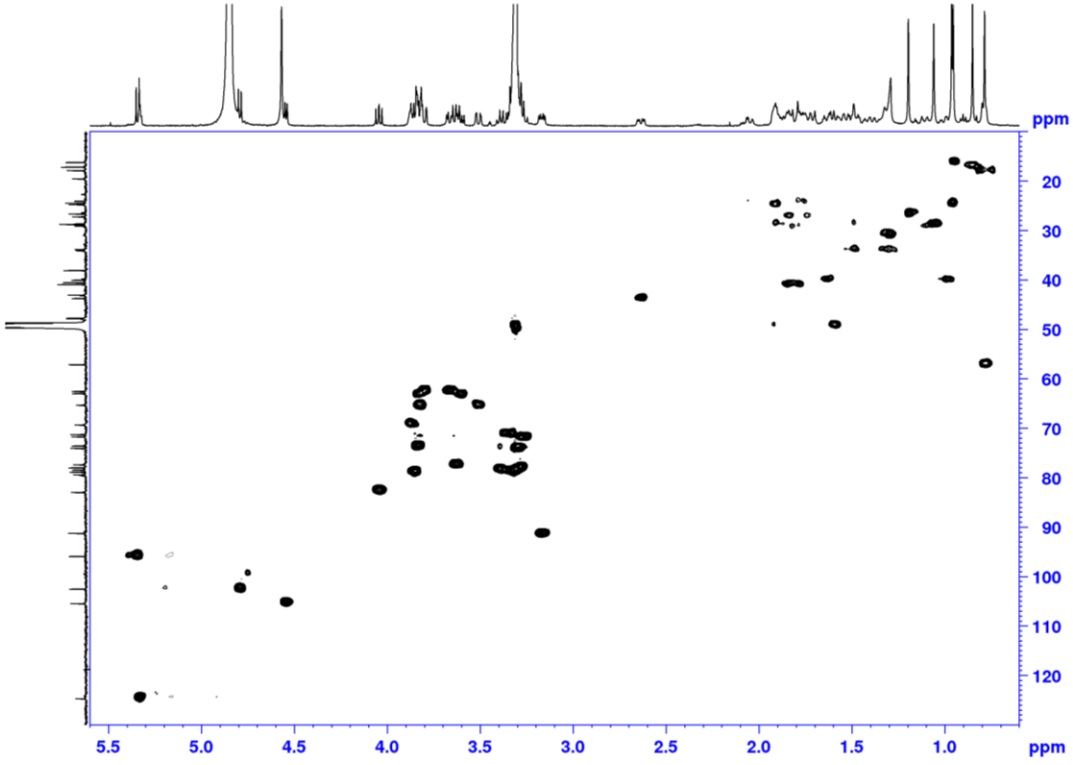

Figure S20. HSQC spectrum of compound **3** from 0-5.5 ppm for ^{1}H and 0-130 ppm for ^{13}C

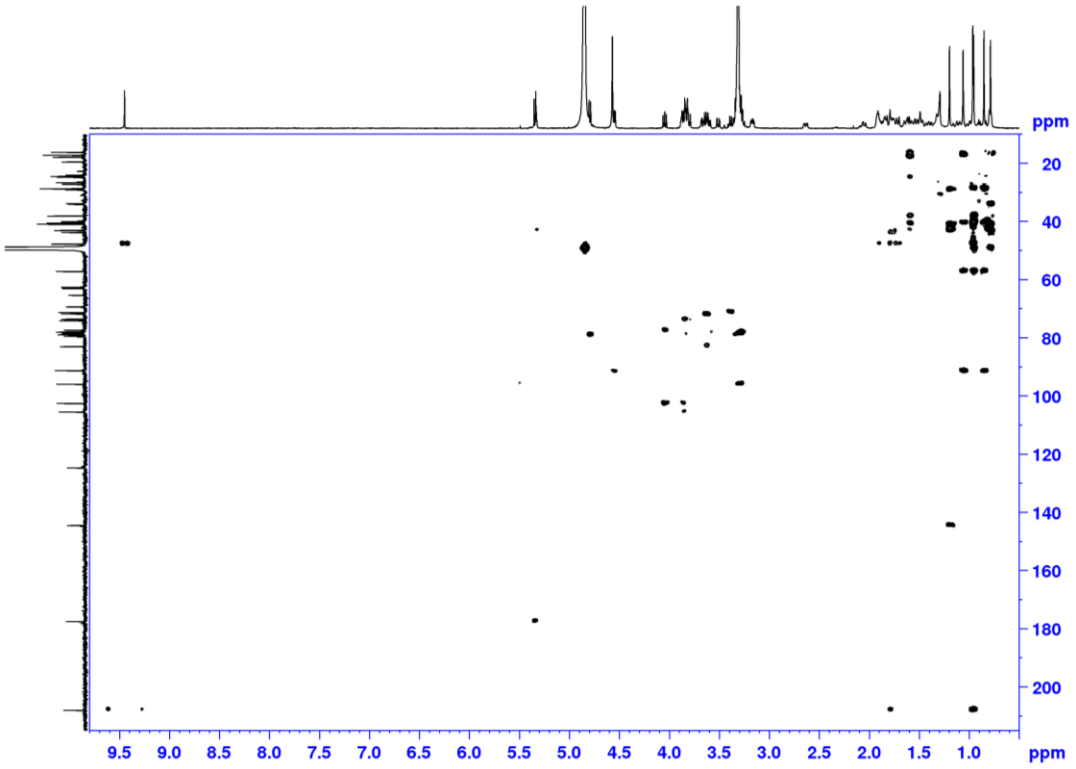

Figure S21. HMBC spectrum of compound **3**

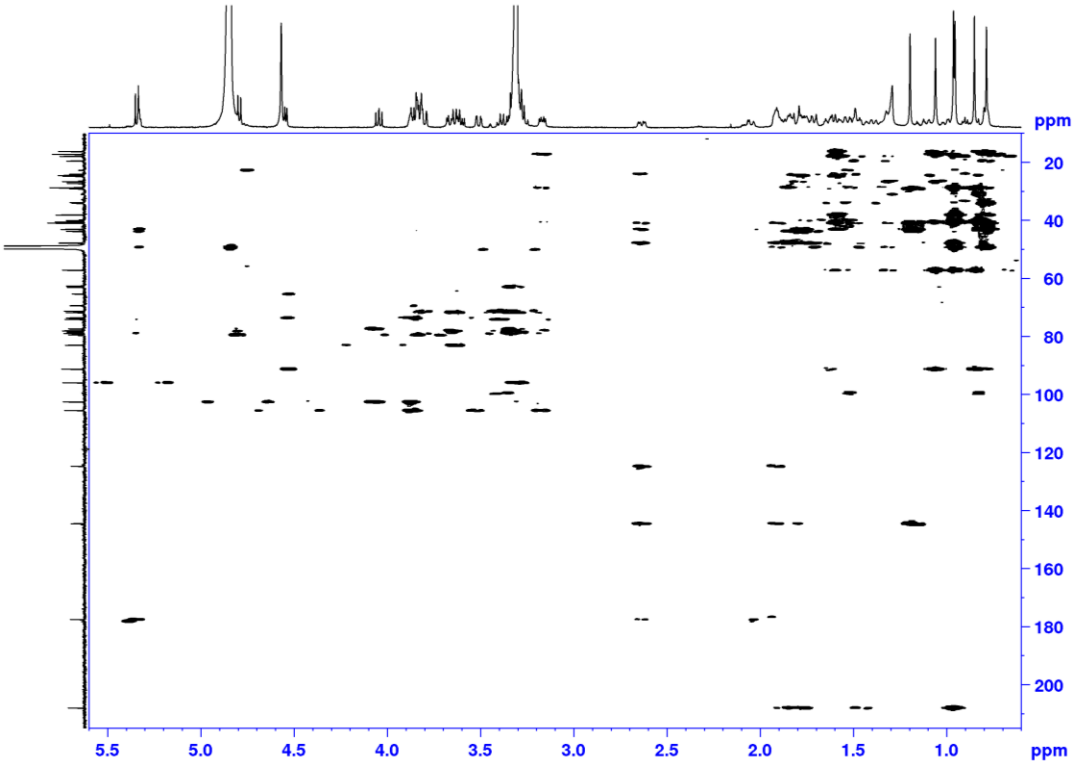

Figure S22. HMBC spectrum of compound **3** from 0-5.5 ppm for ^{1}H and 0-220 ppm for ^{13}C

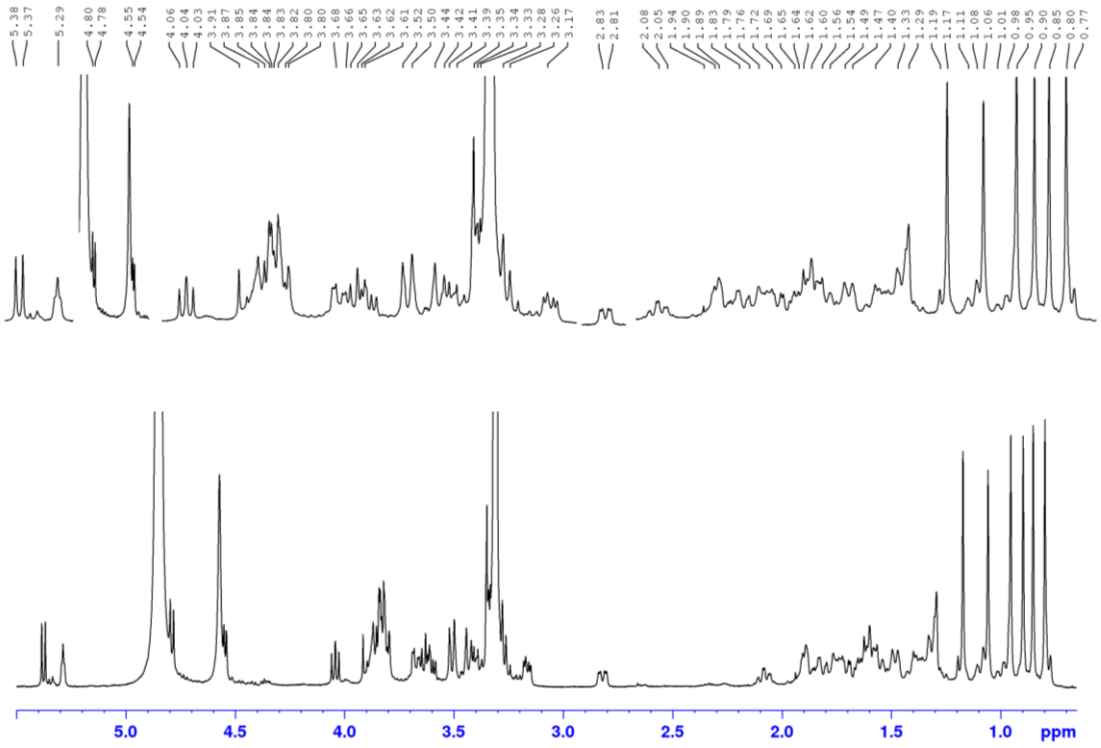

Figure S23. ^{1}H NMR spectrum of compound **4**

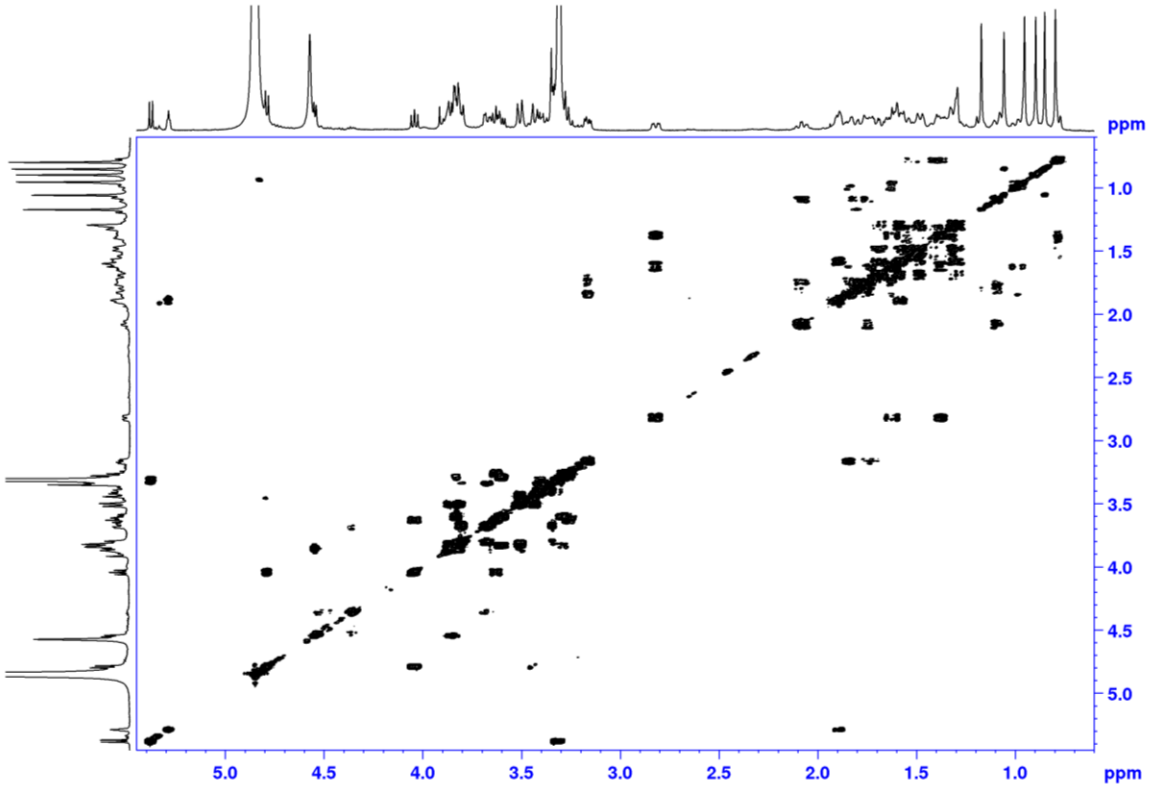

Figure S24. COSY spectrum of compound **4**

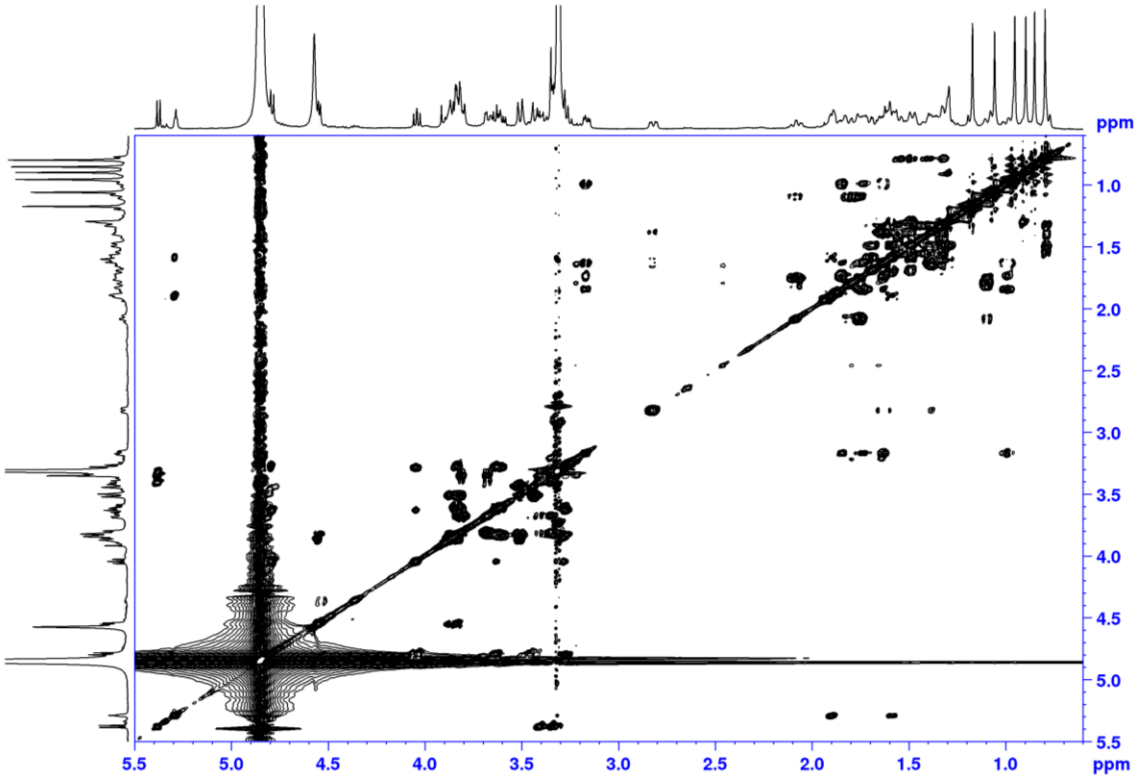

Figure S25. TOCSY spectrum of compound **4**

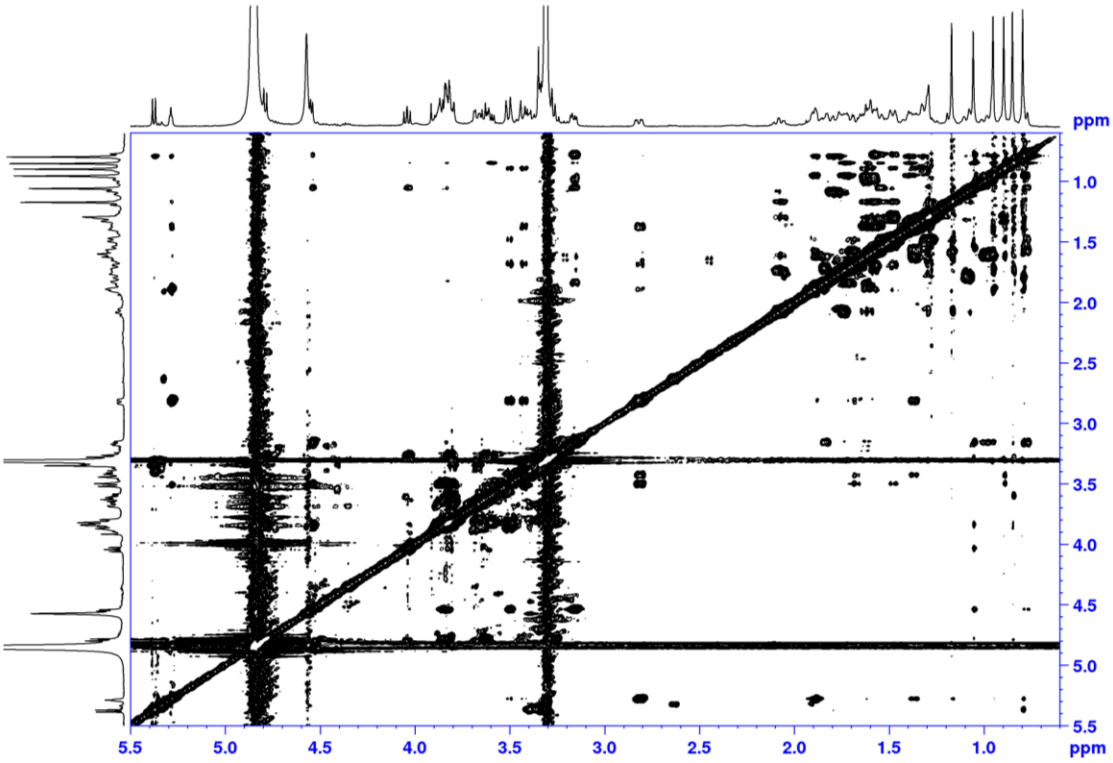

Figure S26. ROESY spectrum of compound **4**

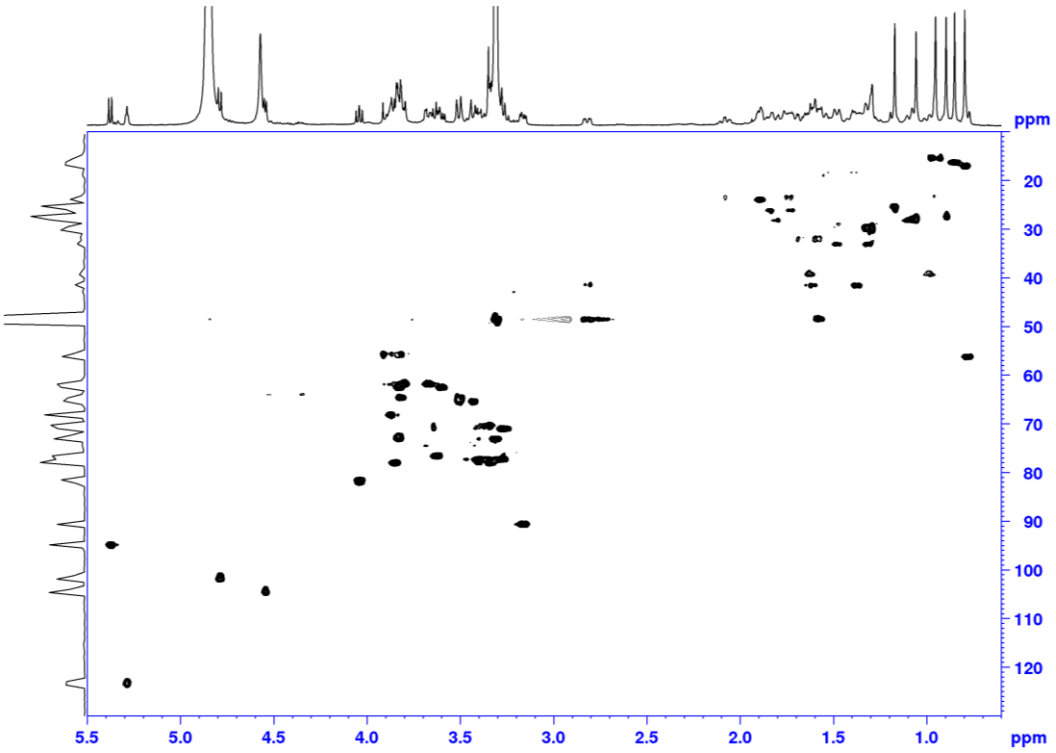

Figure S27. HSQC spectrum of compound **4**

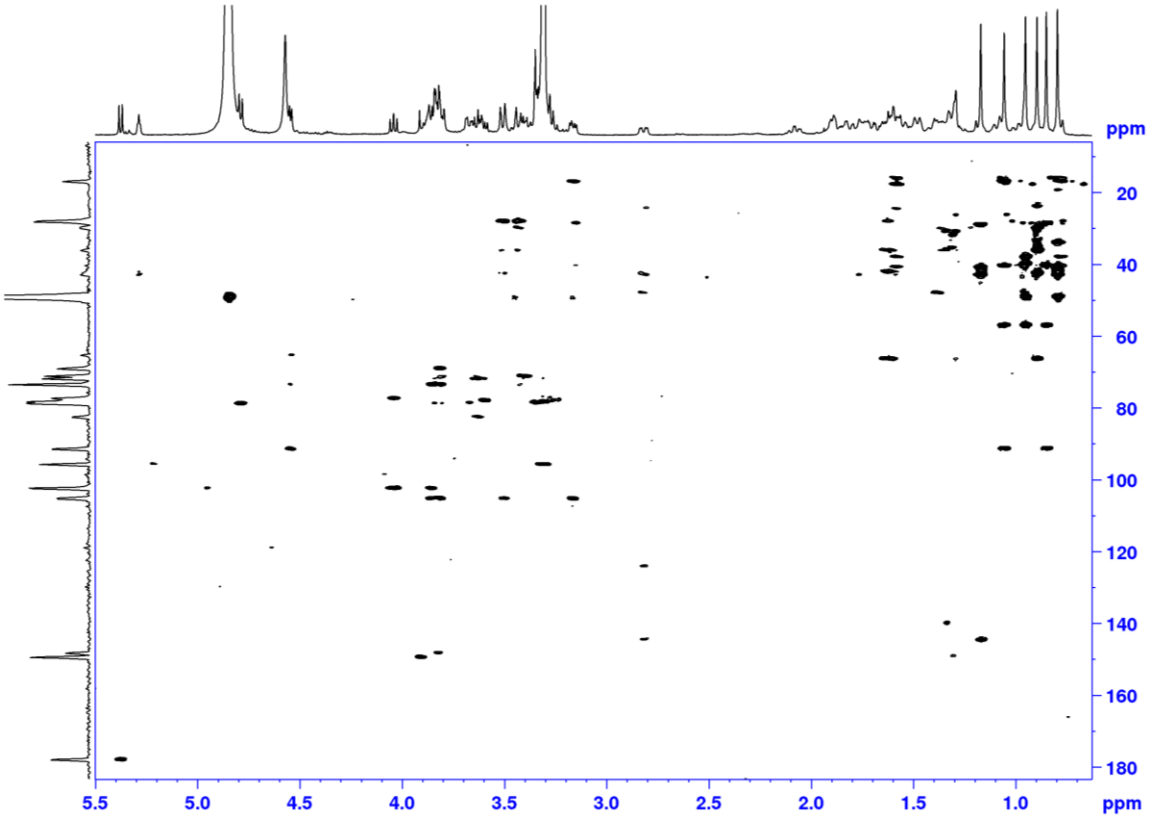

Figure S28. HMBC spectrum of compound **4**

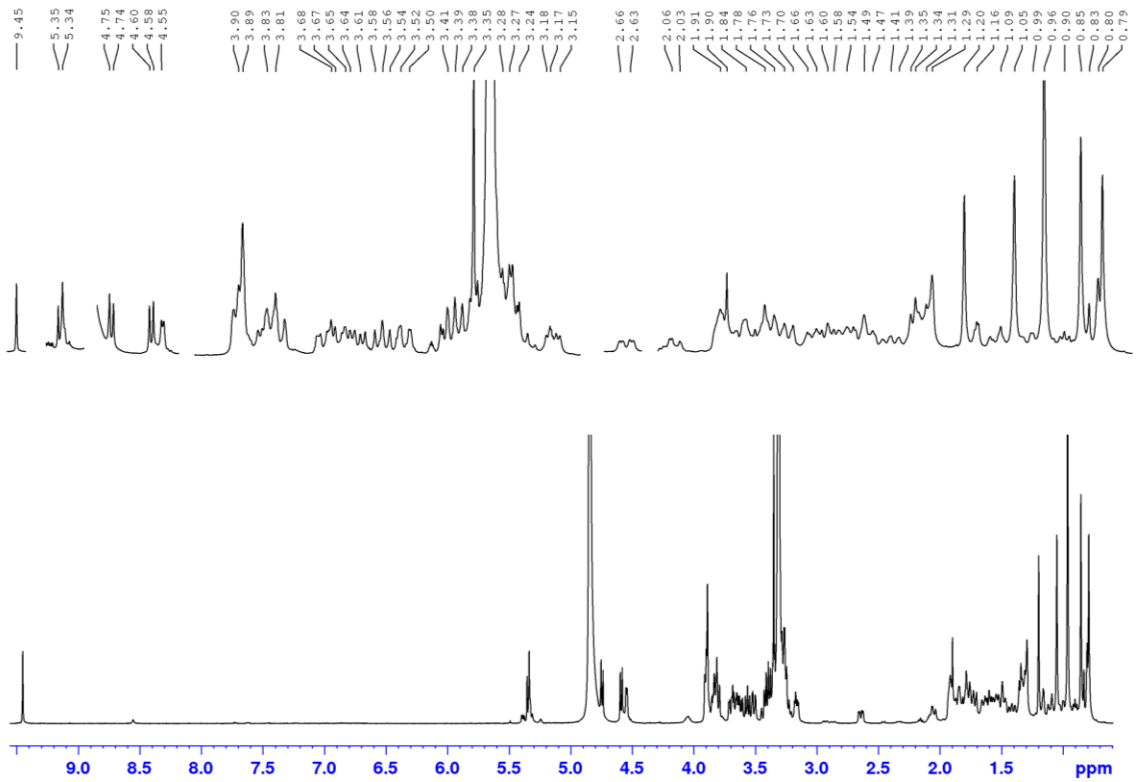

Figure S29. ^{1}H NMR spectrum of compound **5**

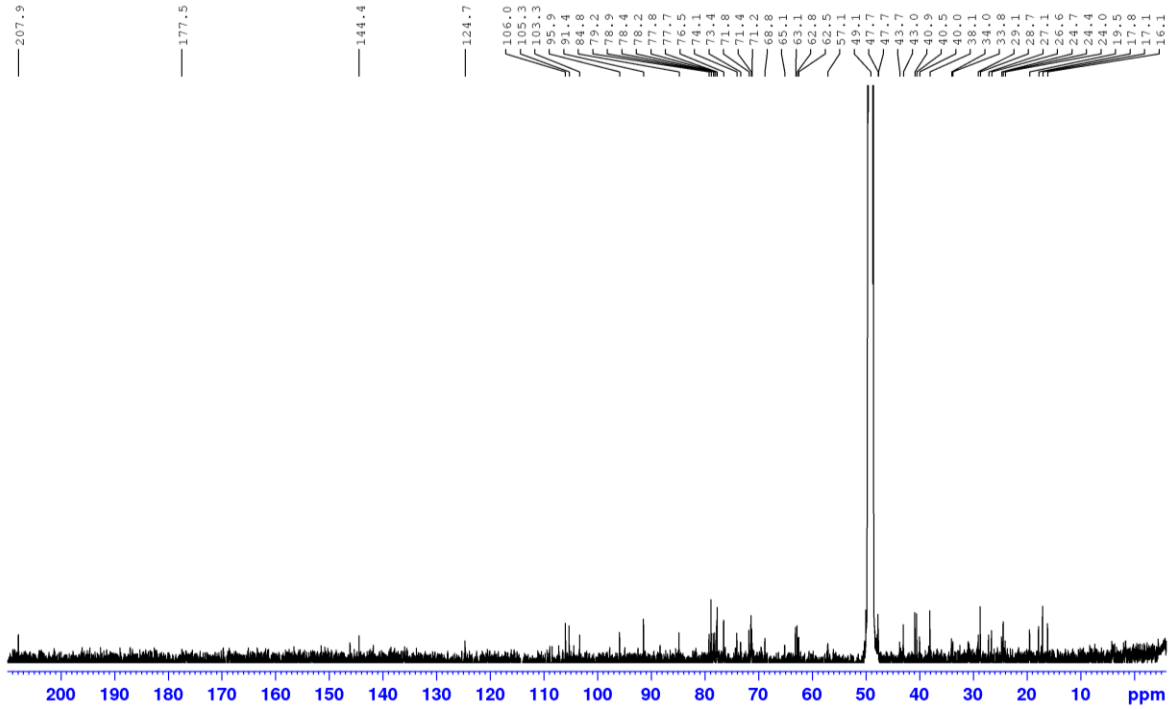

Figure S30. ^{13}C NMR spectrum of compound **5**

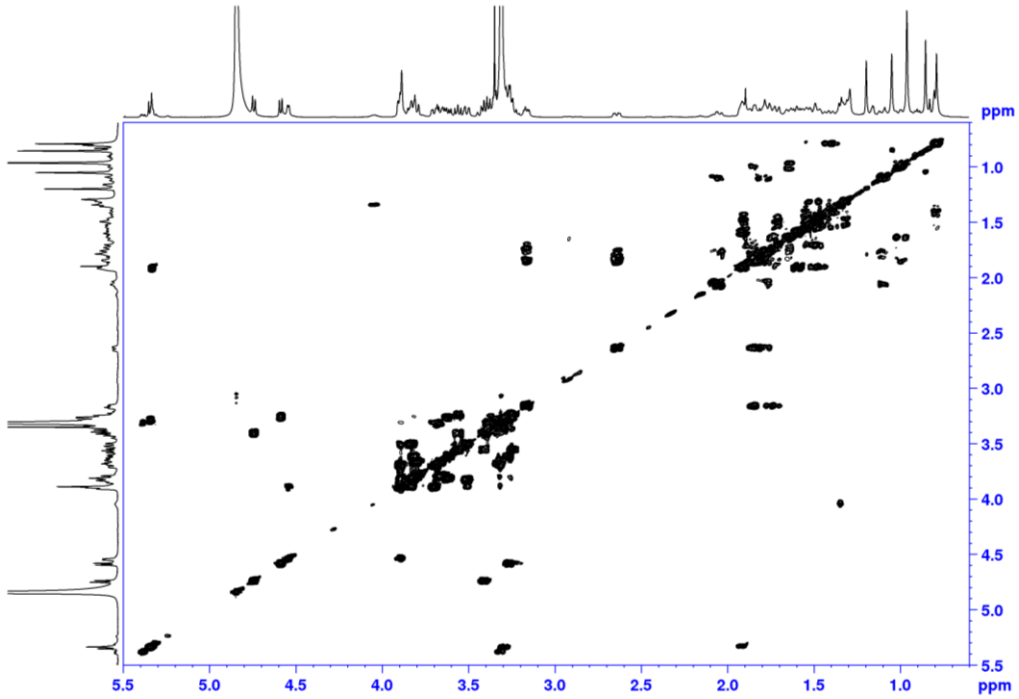

Figure S31. COSY NMR spectrum of compound **5**

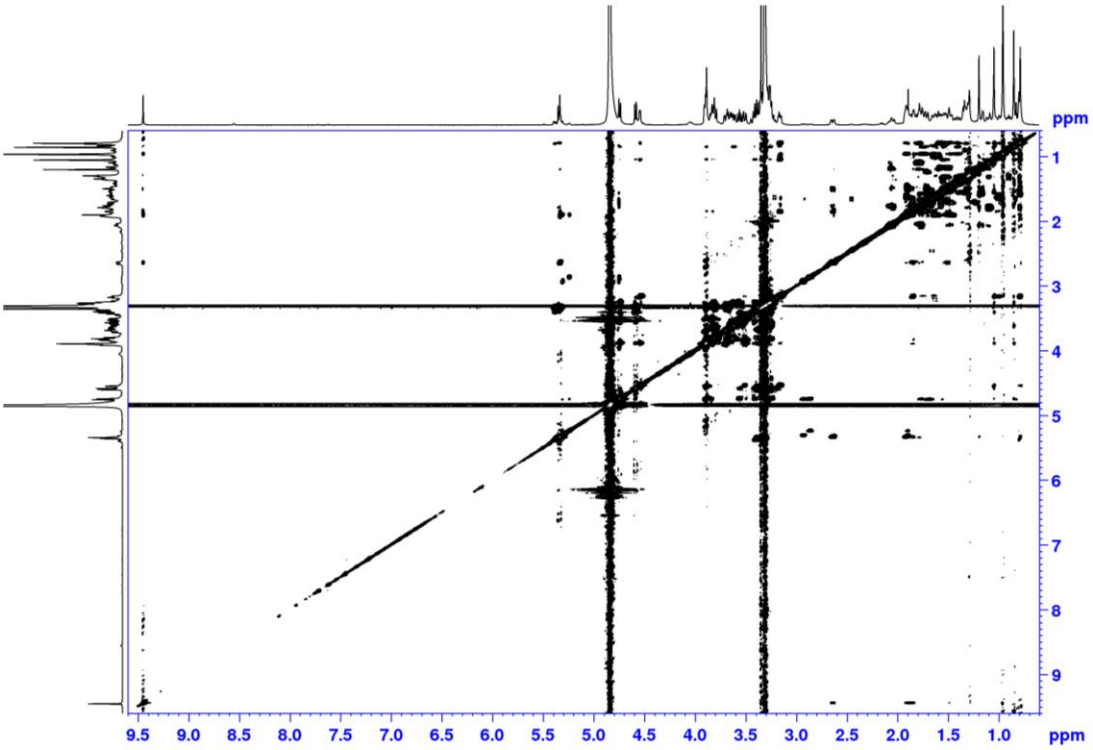

Figure S32. ROESY NMR spectrum of compound **5**

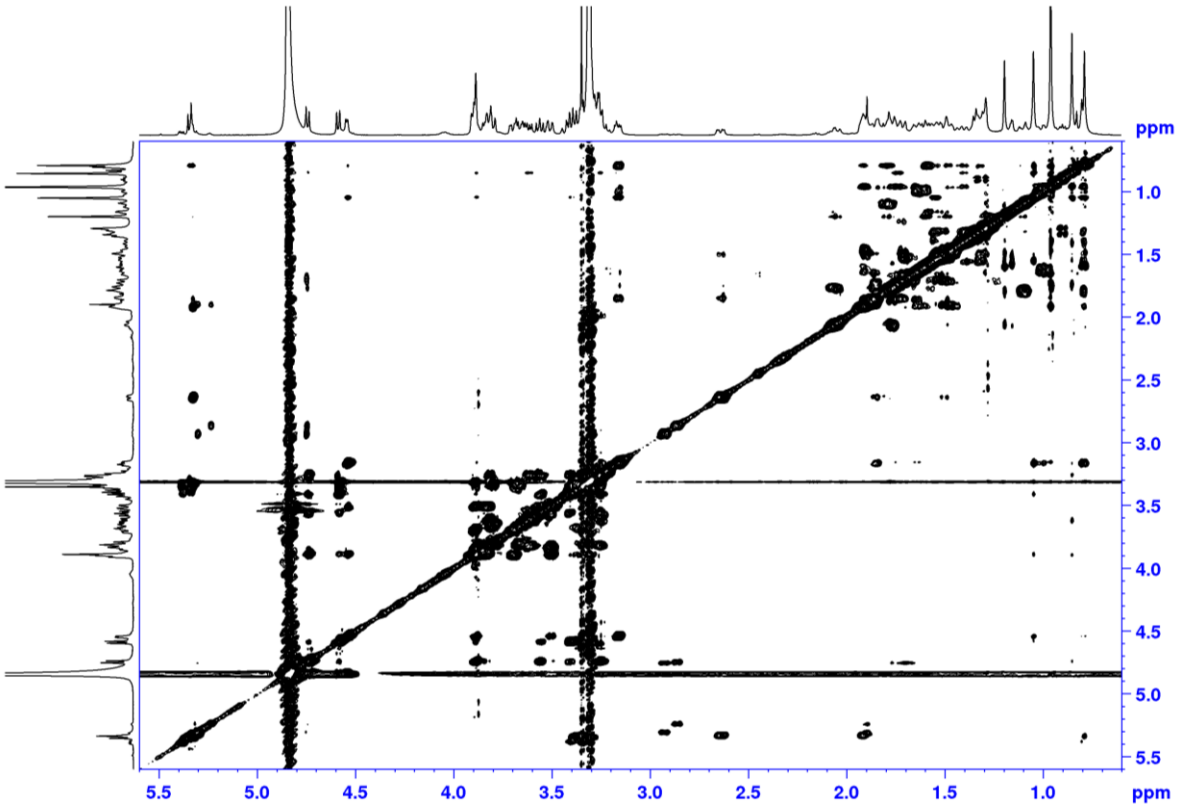

Figure S33. ROESY NMR spectrum of compound **5** from 0-5.5 ppm

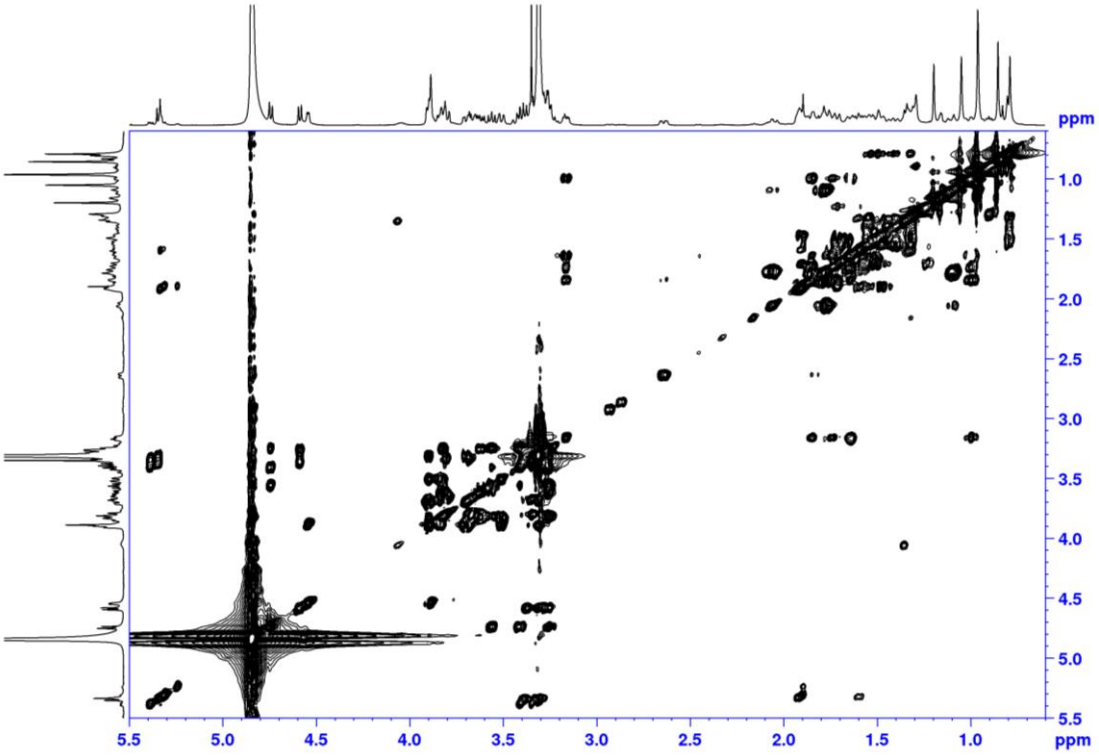

Figure S34. TOCSY spectrum of compound **5**

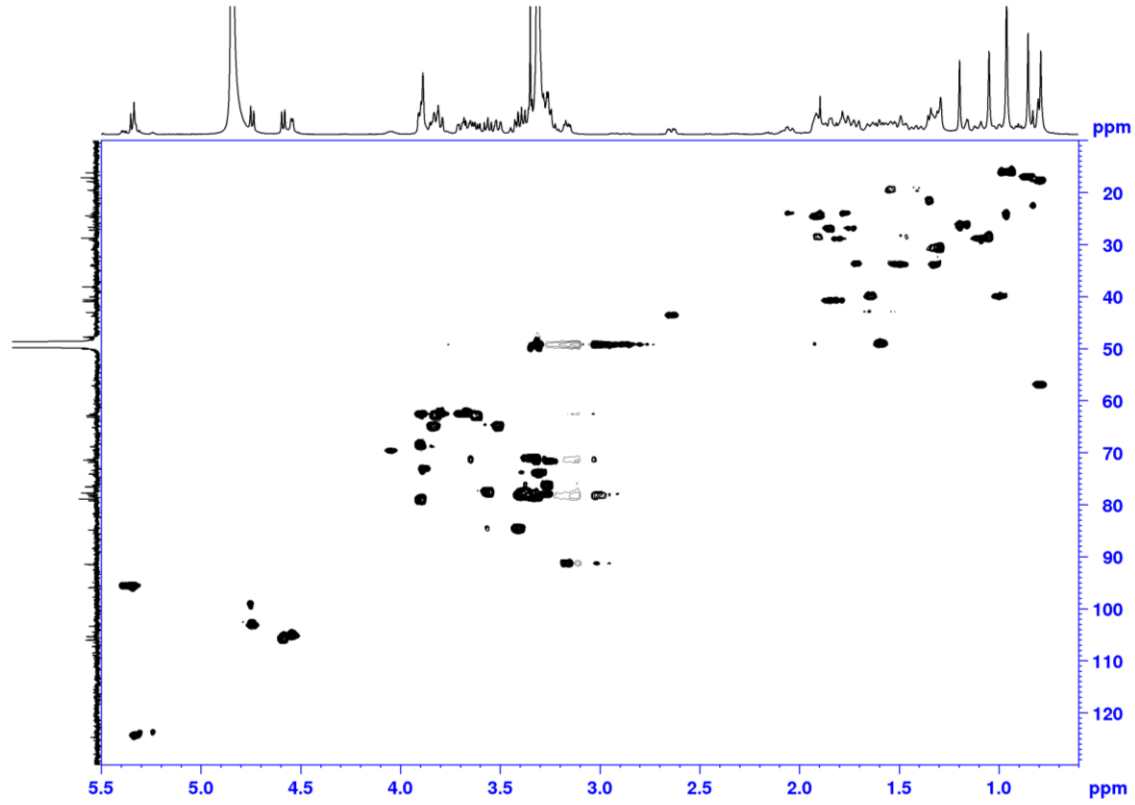

Figure S35. HSQC spectrum of compound **5**

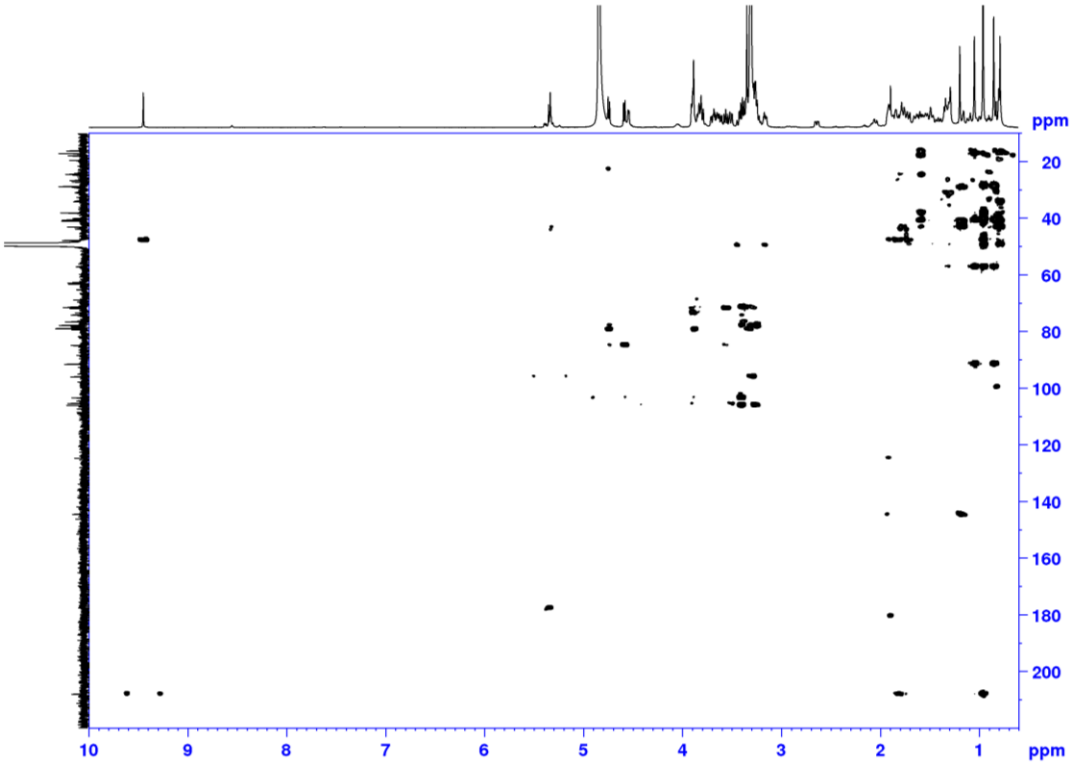

Figure S36. HMBC spectrum of compound **5**

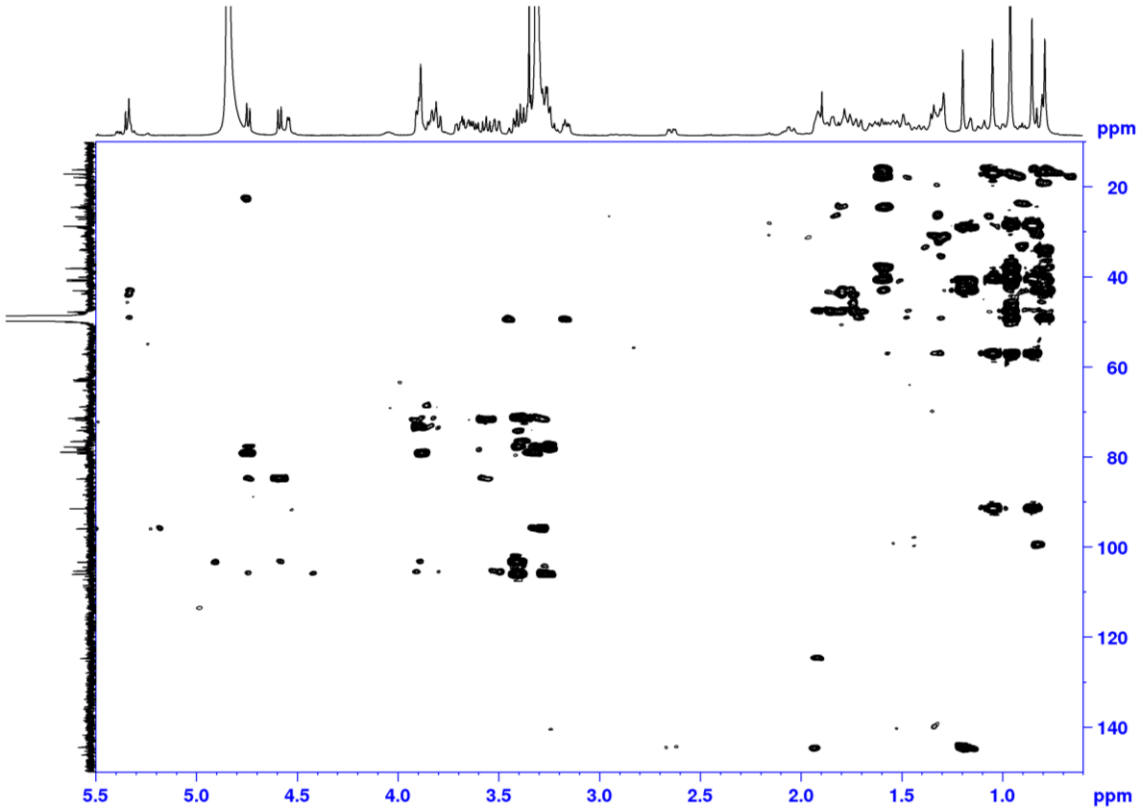

Figure S37. HMBC spectrum of compound **5** from 0-5.5 ppm for ^{1}H and 0-150 ppm for ^{13}C

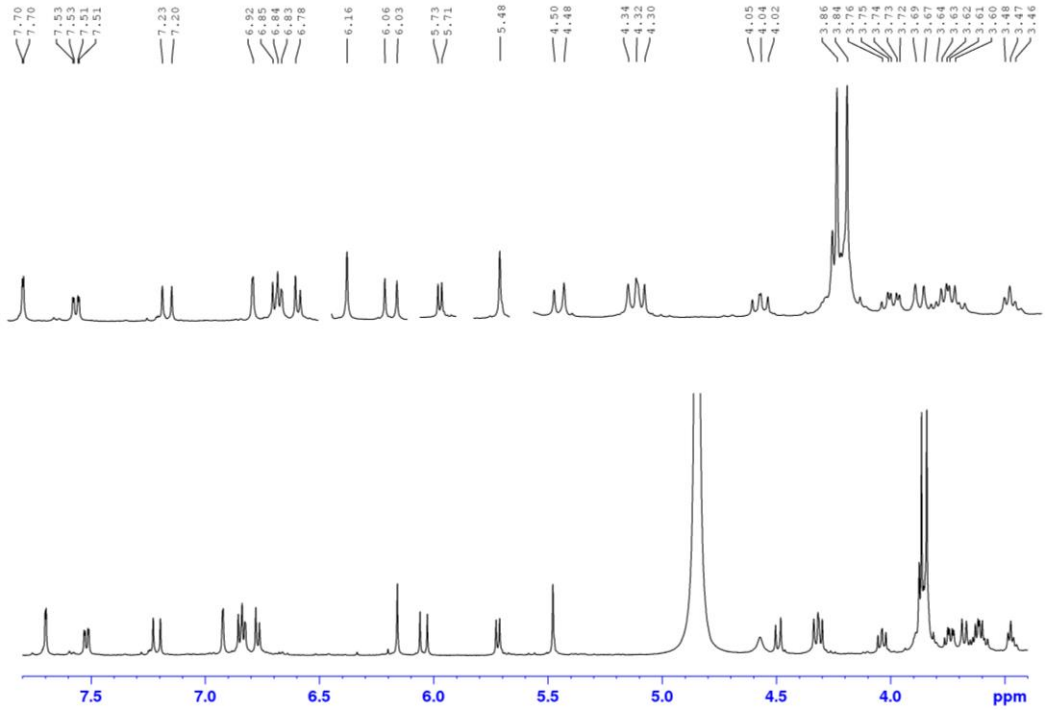

Figure S38. ^{1}H NMR spectrum of compound **6**

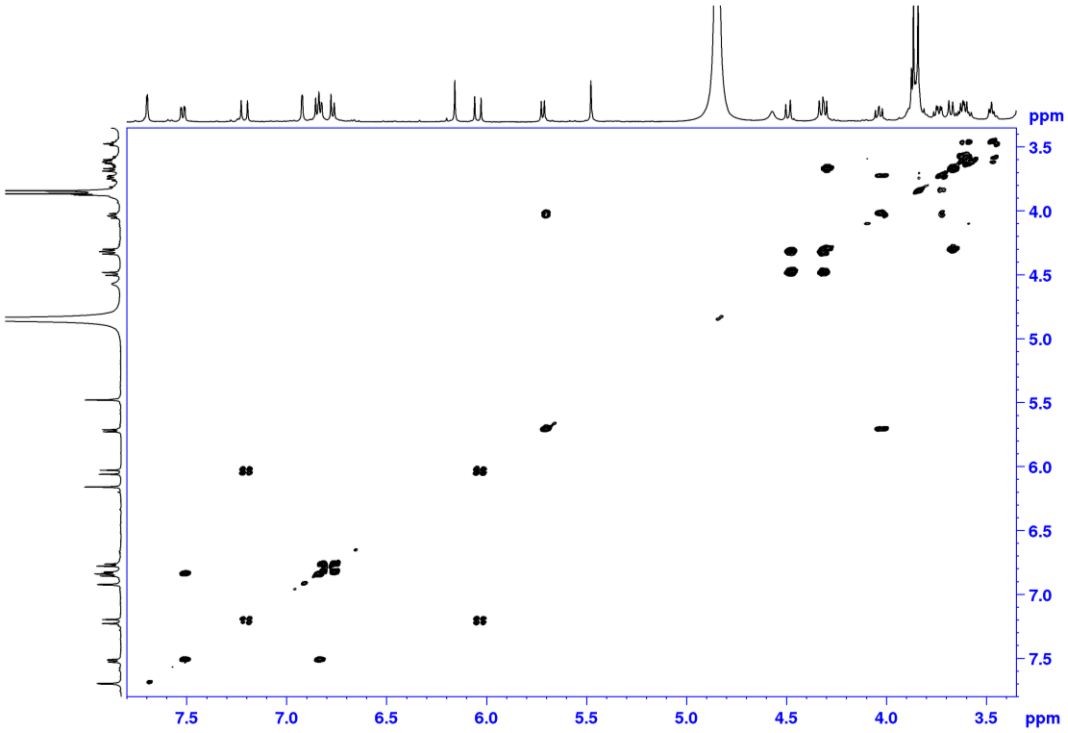

Figure S39. COSY spectrum of compound **6**

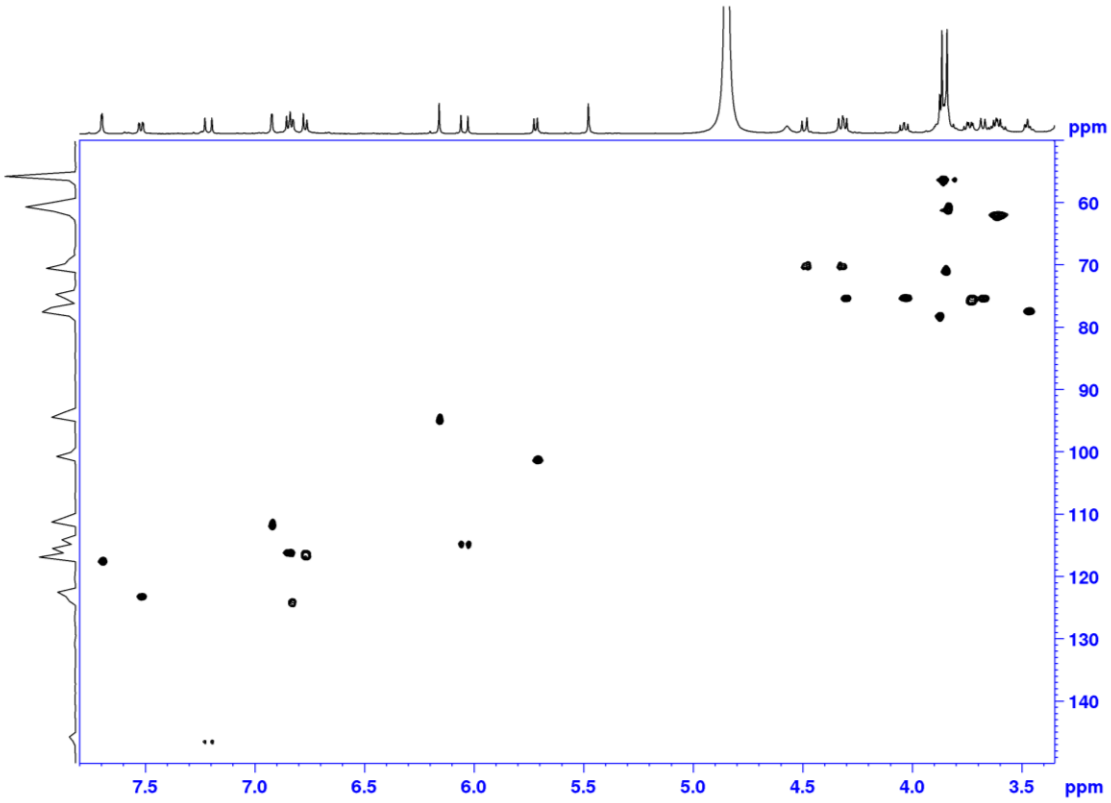

Figure S40. HSQC spectrum of compound **6**

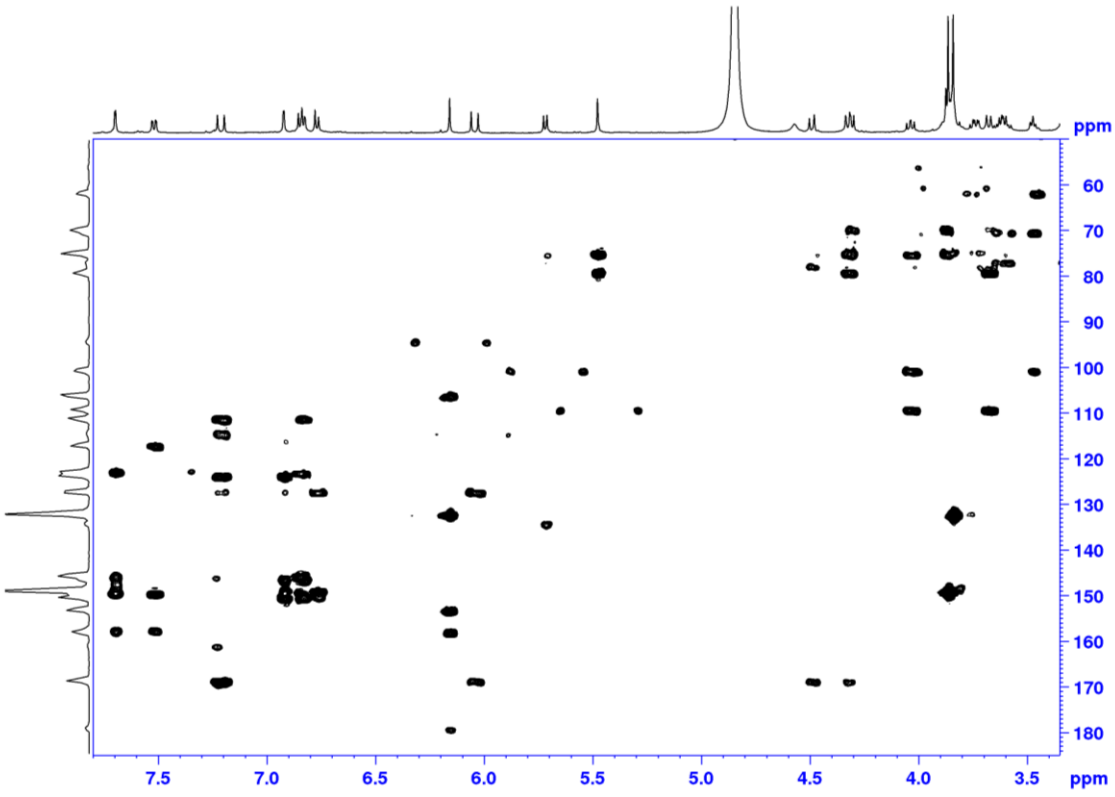

Figure S41. HMBC spectrum of compound **6**