Supplementary Materials

Cytotoxic and Anti-HSV-1 Effects of Caulerpin Derivatives

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1. Copies of IR, ^{1}H and ^{13}C NMR spectra of Caulerpin (**1**)

Figure S1. IR of caulerpin (**1**)

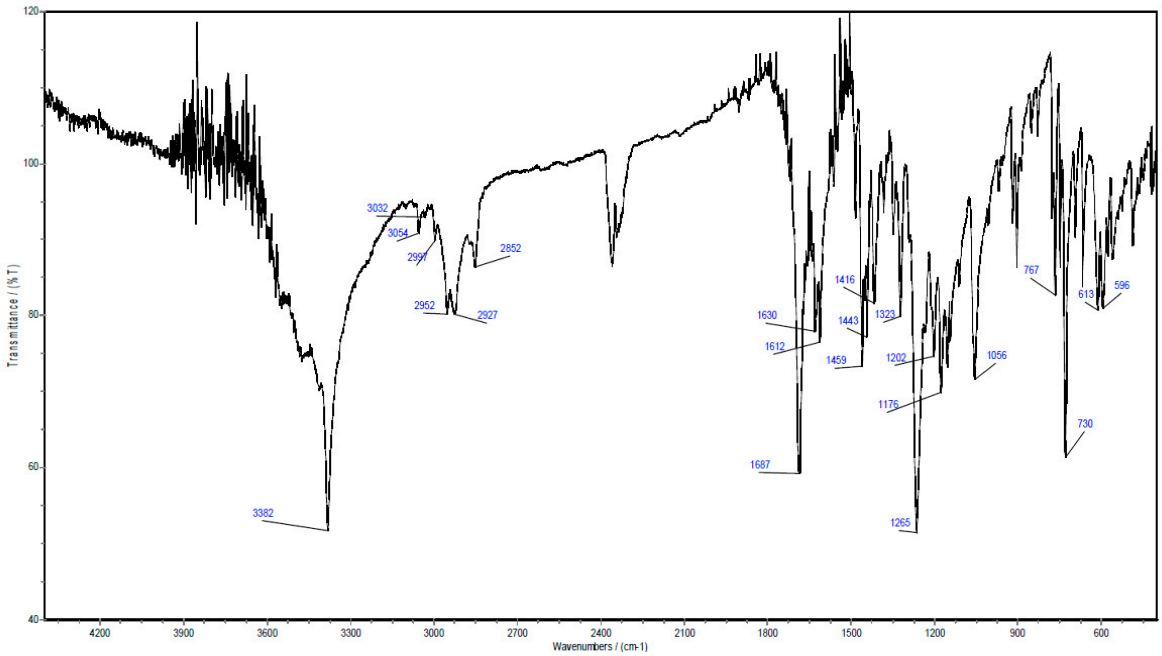


Figure S2. ^{1}H NMR of **1** (200 MHz, $CDCl_3$).

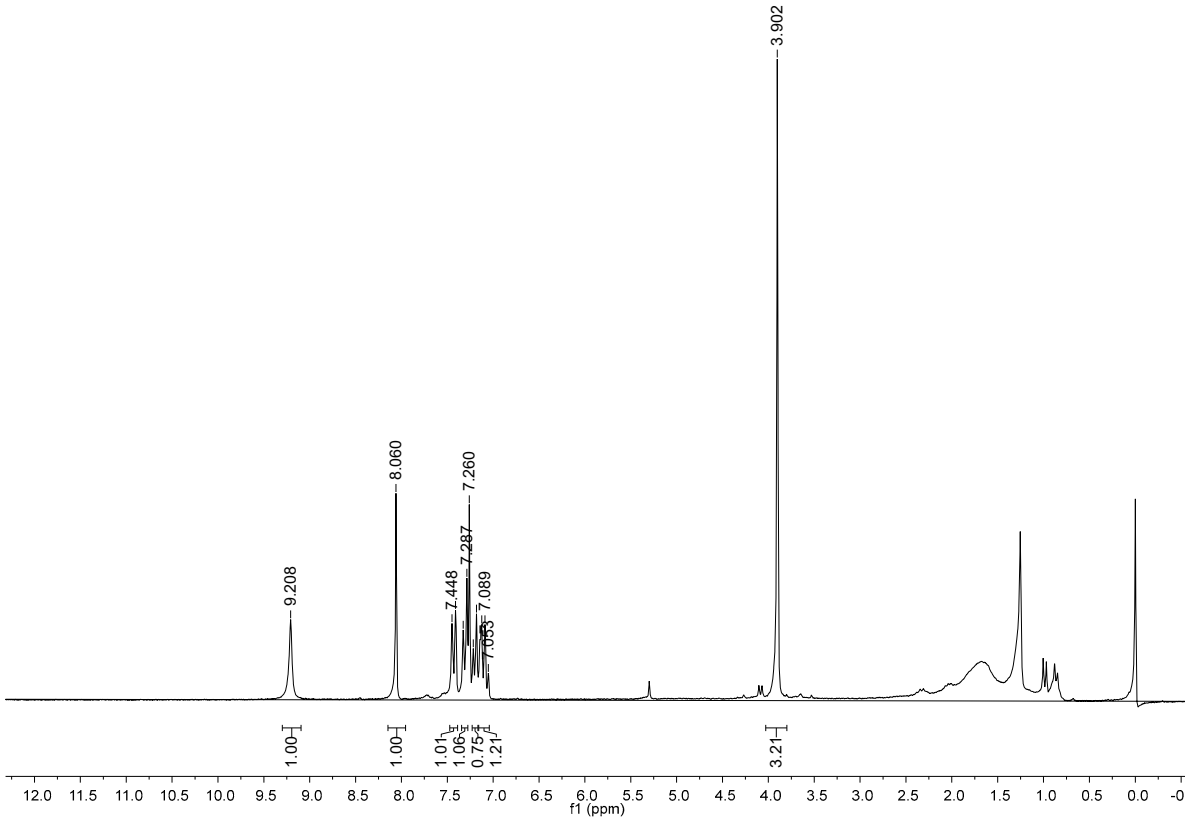
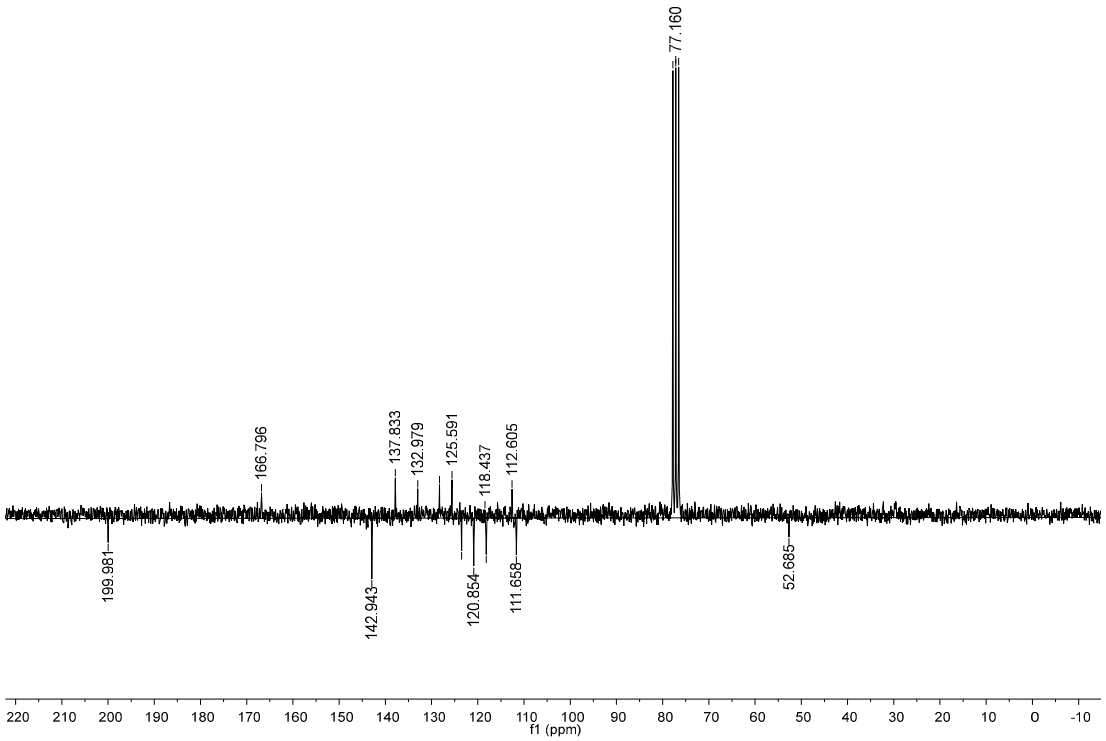


Figure S3. ^{13}C NMR of **1** (200 MHz, $CDCl_3$).



2. Copies of IR, ^{1}H and ^{13}C NMR spectra of product **2**

Figure S4. IR of **2**

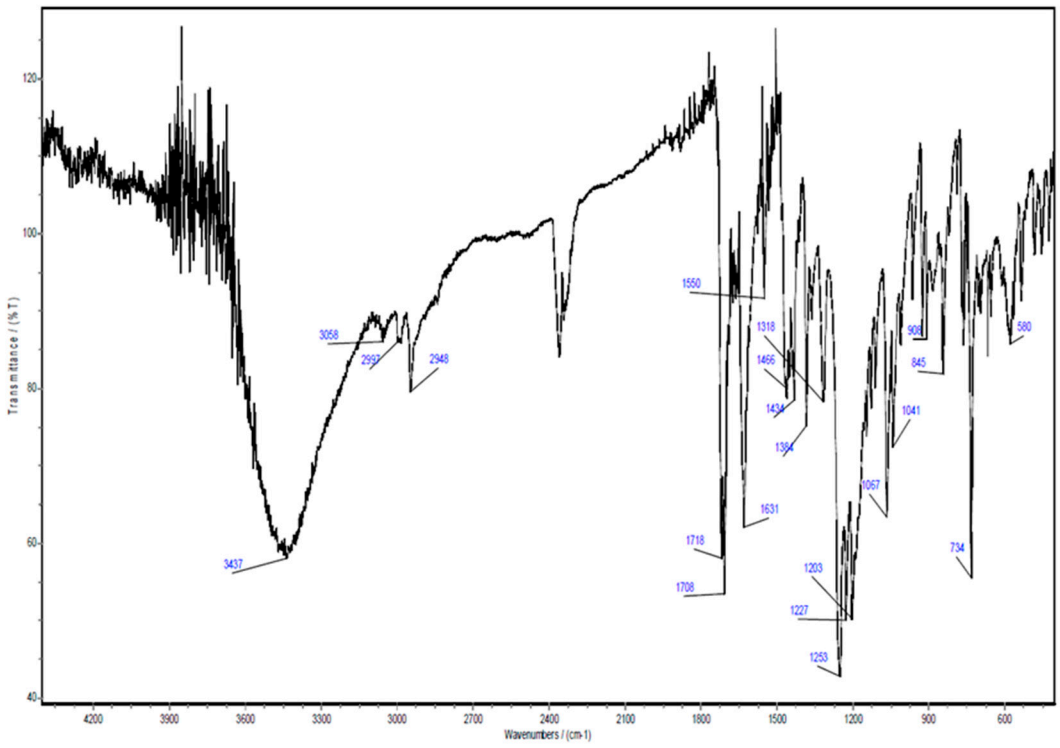


Figure S5. ^{1}H NMR of **2** (200 MHz, $CDCl_3$).

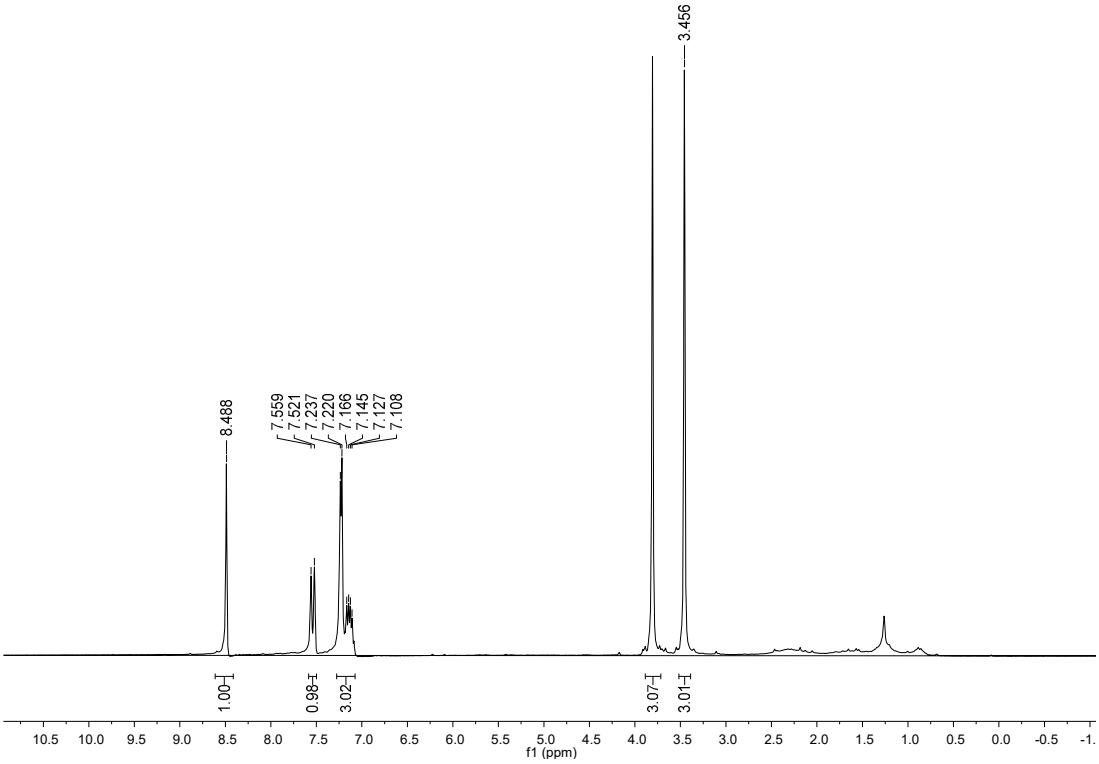
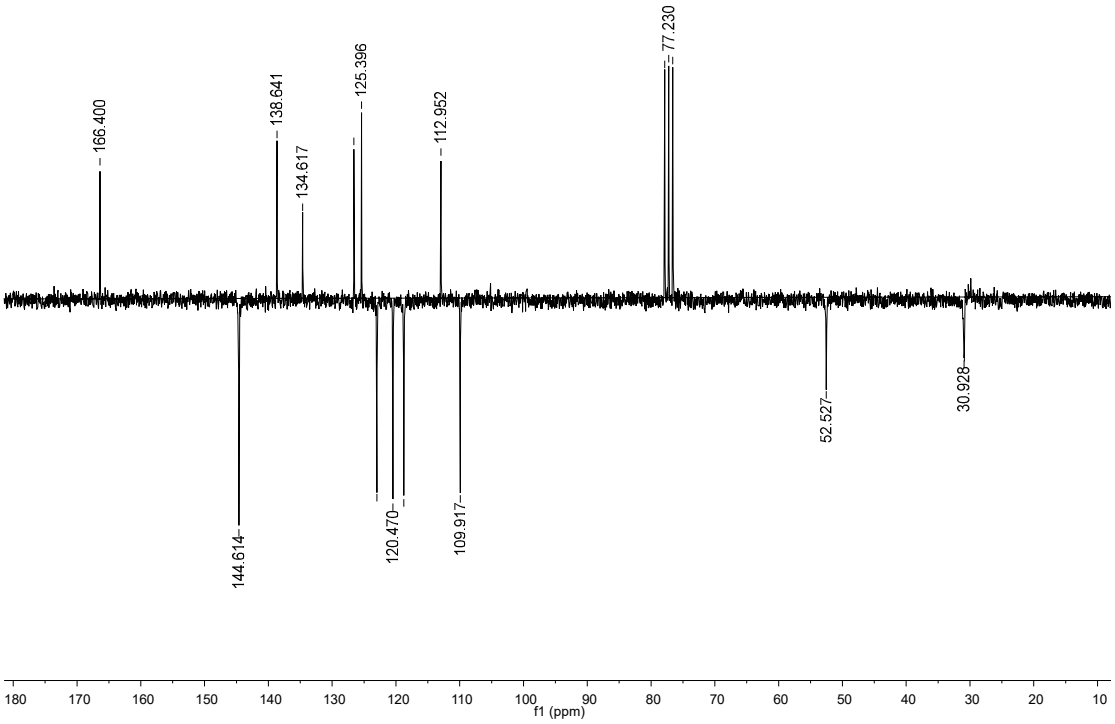


Figure S6. ^{13}C NMR of **2** (200 MHz, $CDCl_3$).



3. Copies of IR, ^{1}H NMR, ^{13}C NMR, HMBC spectra of product **3**

Figure S7. IR of **3**

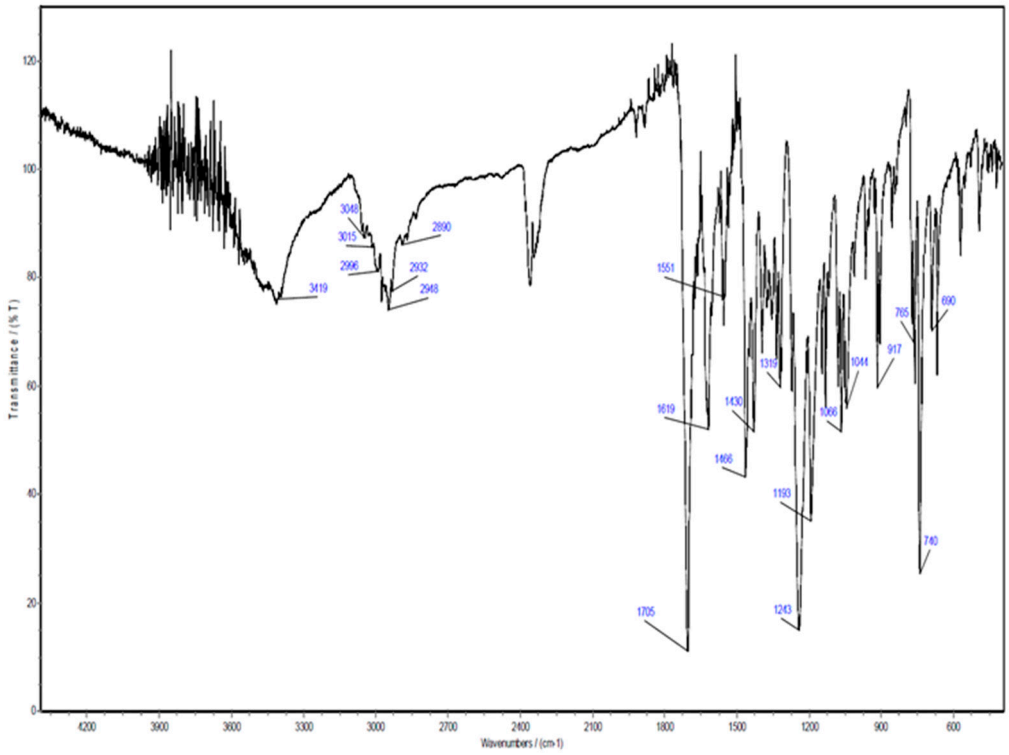


Figure S8. ^{1}H NMR of **3** (200 MHz, $CDCl_3$).

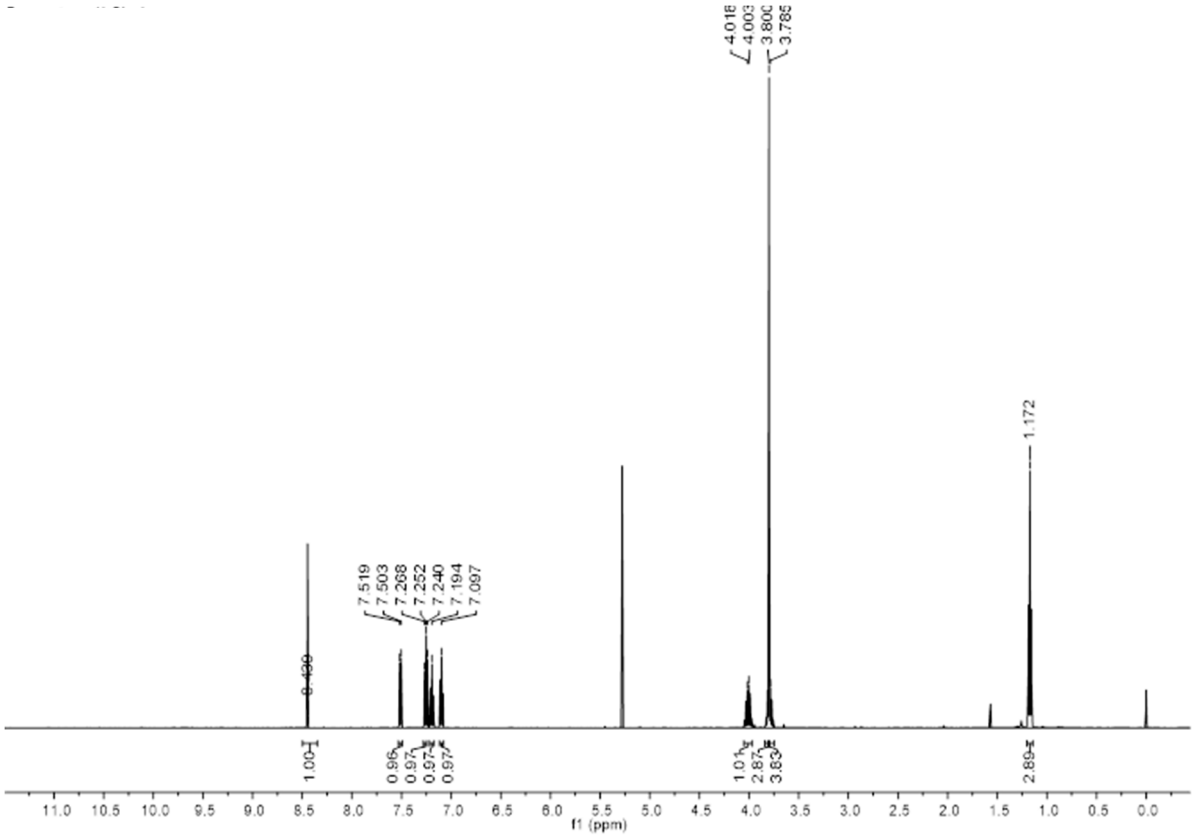


Figure S9. ^{13}C NMR of **3** (500 MHz, $CDCl_3$).

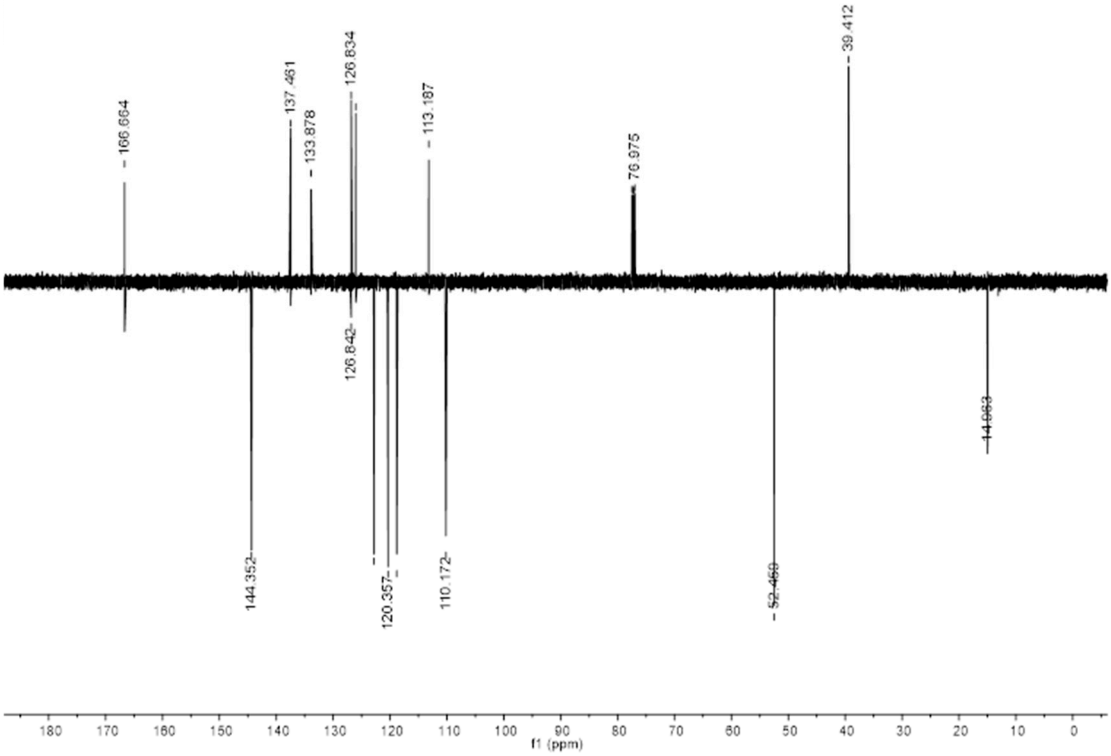
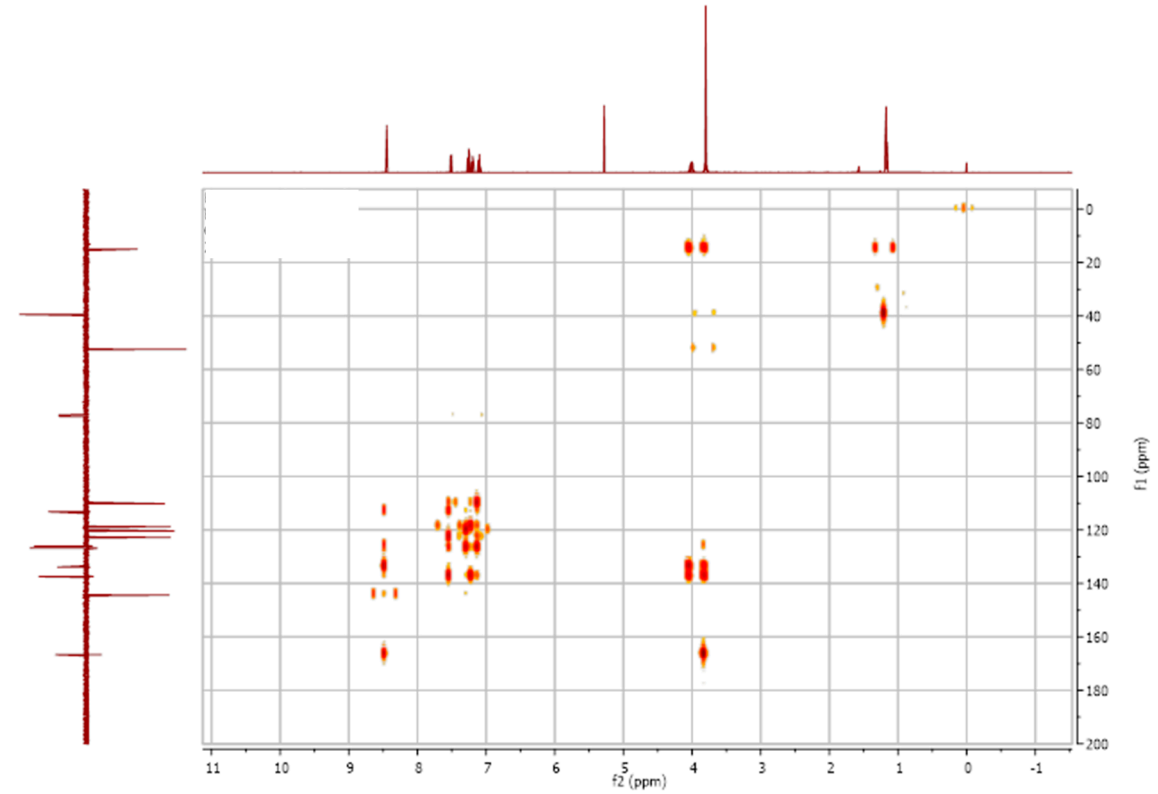


Figure S10. HMBC of **3** (500 MHz, $CDCl_3$).



4. Copies of IR, ^{1}H and ^{13}C NMR spectra of product **4**

Figure S11. IR of **4**

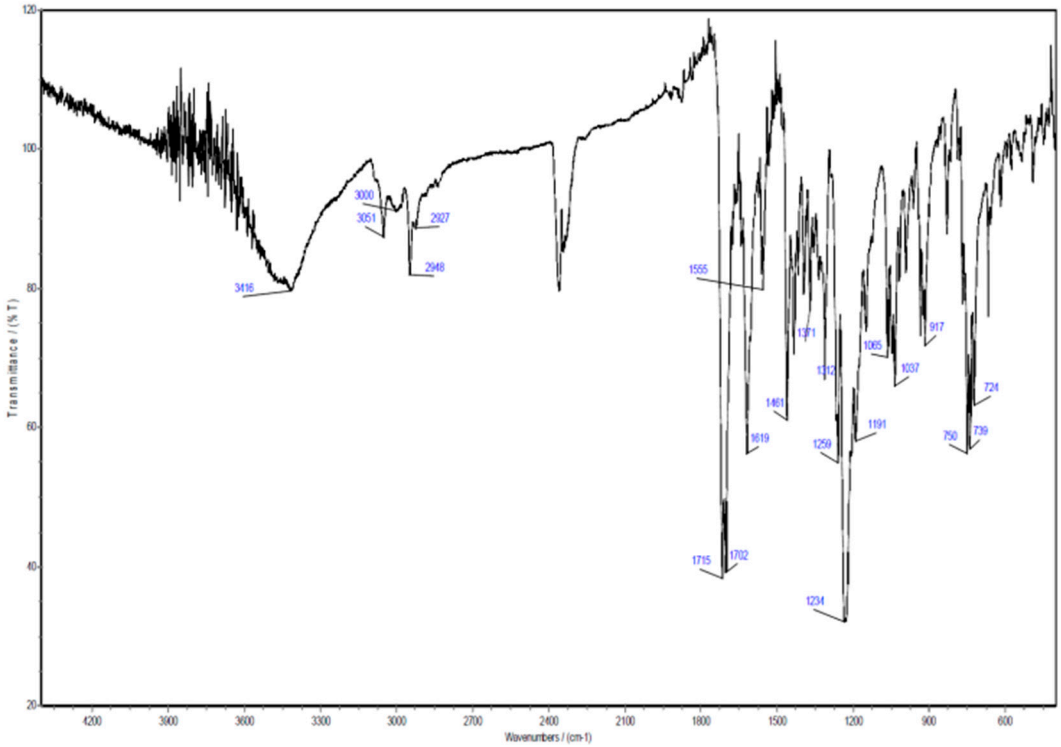


Figure S12. ^{1}H NMR of **4** (200 MHz, $CDCl_3$).

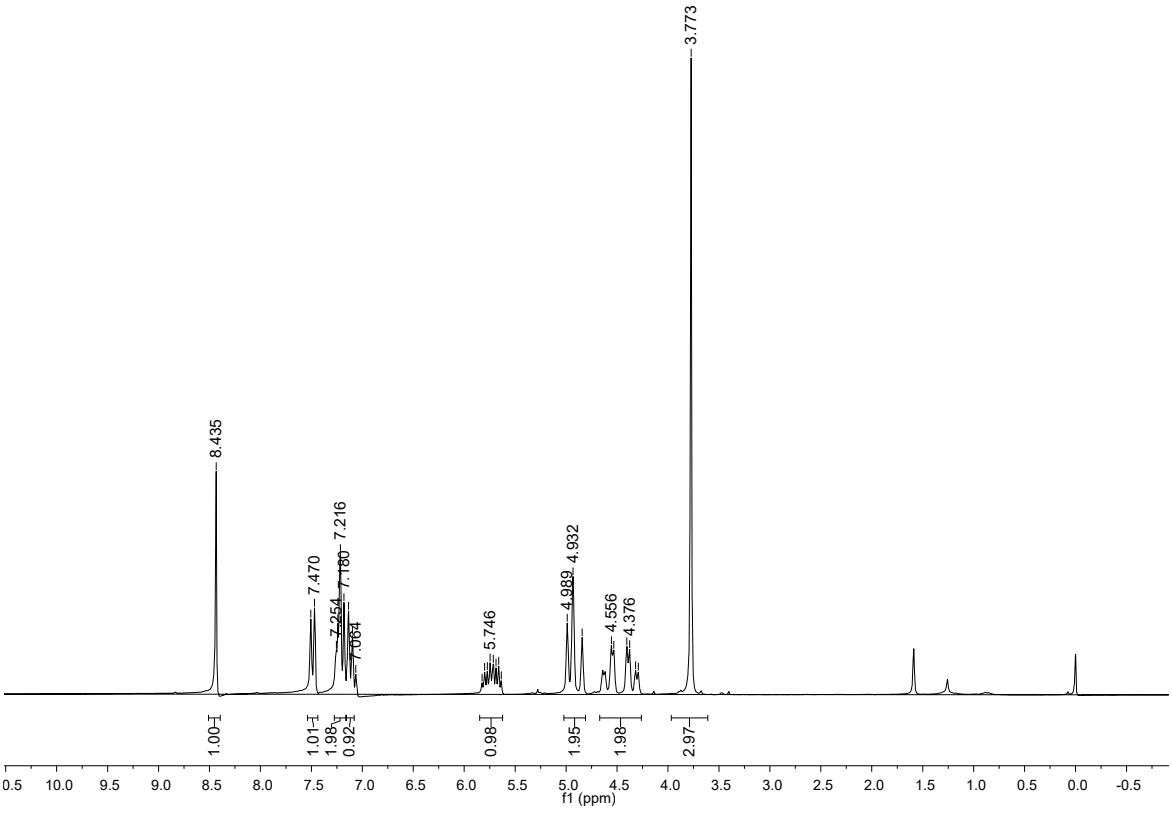
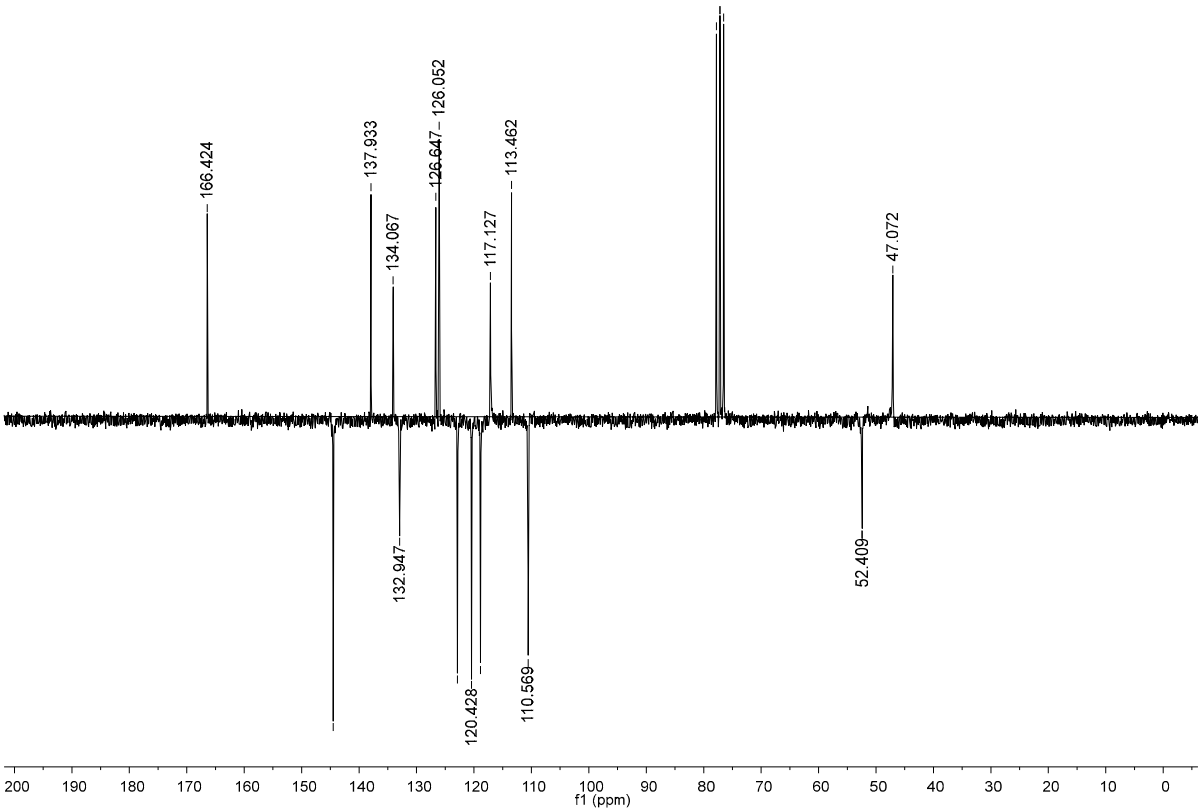


Figure S13. ^{13}C NMR of **4** (200 MHz, $CDCl_3$).



5. Copies of IR, ^1H NMR, ^{13}C NMR, COSY, HMQC and HMBC spectra of product **5**

Figure S14. IR of **5**

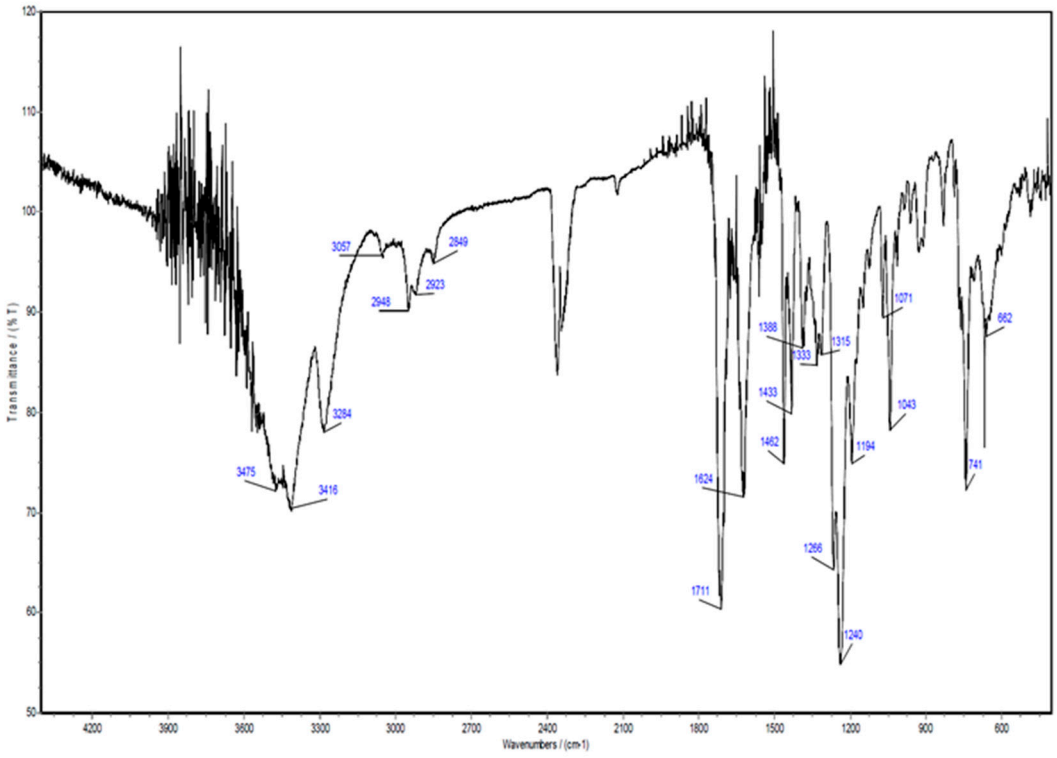


Figure S15. ^{1}H NMR of **5** (500 MHz, $CDCl_3$).

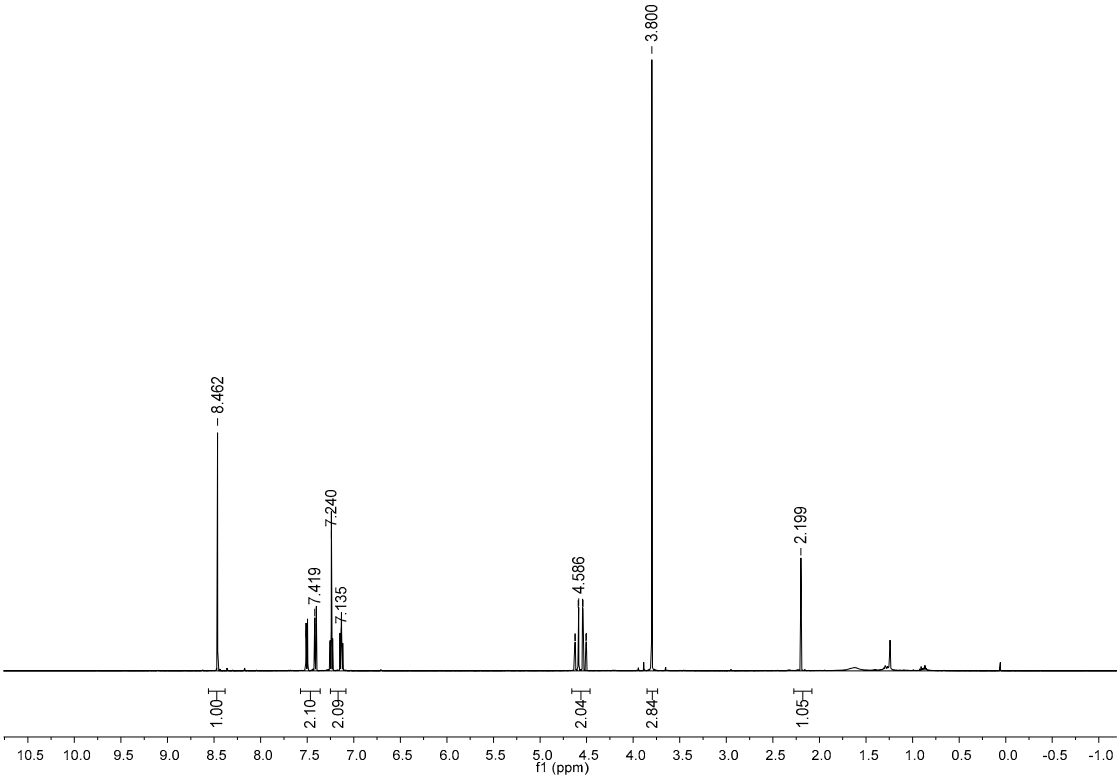


Figure S16. ^{13}C NMR of **5** (500 MHz, $CDCl_3$).

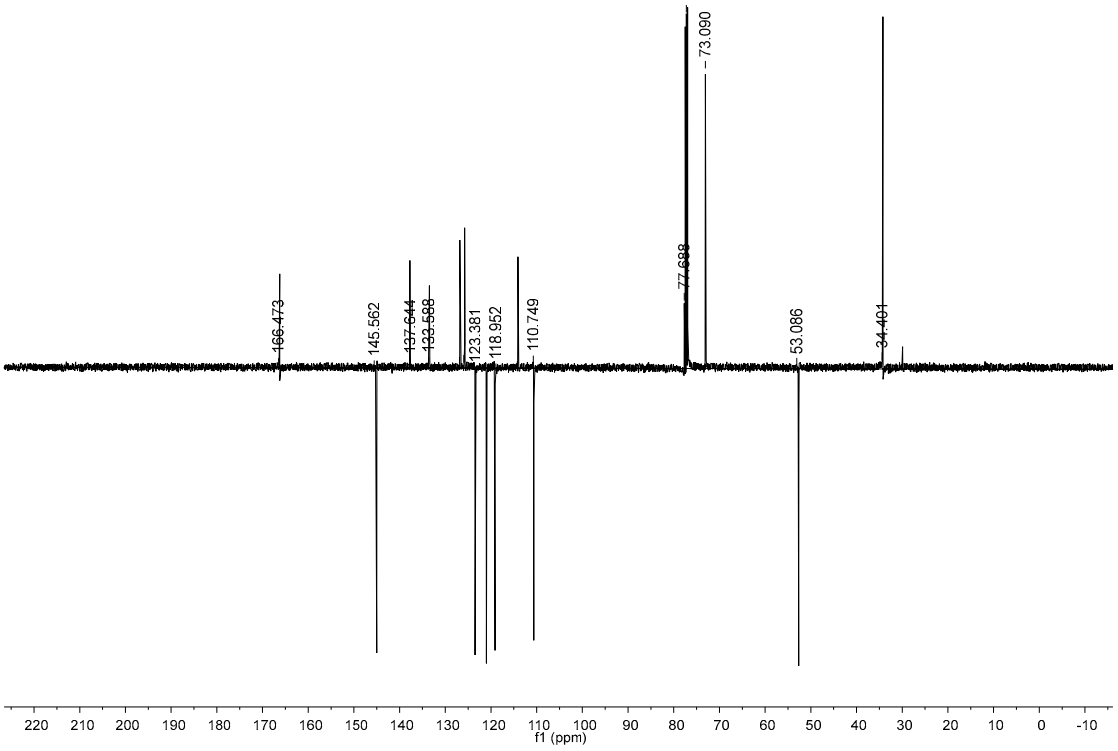


Figure S17. COSY of **5** (500 MHz, $CDCl_3$).

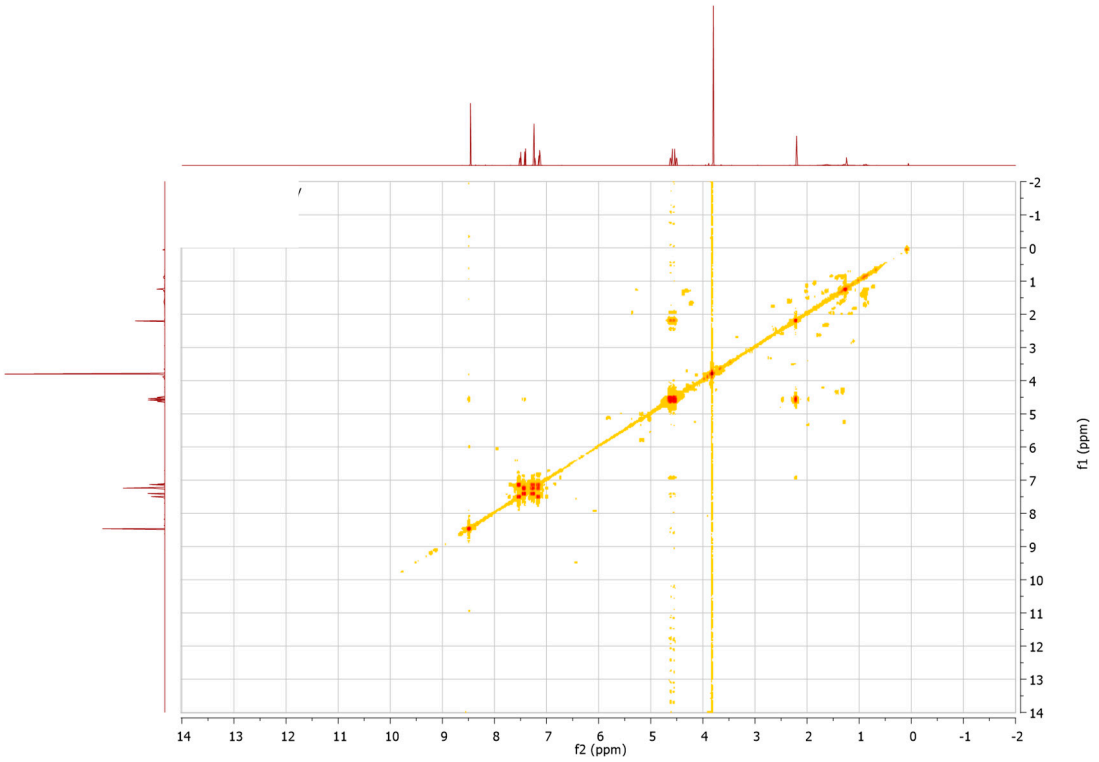


Figure S18. HMQC of **5** (500 MHz, $CDCl_3$).

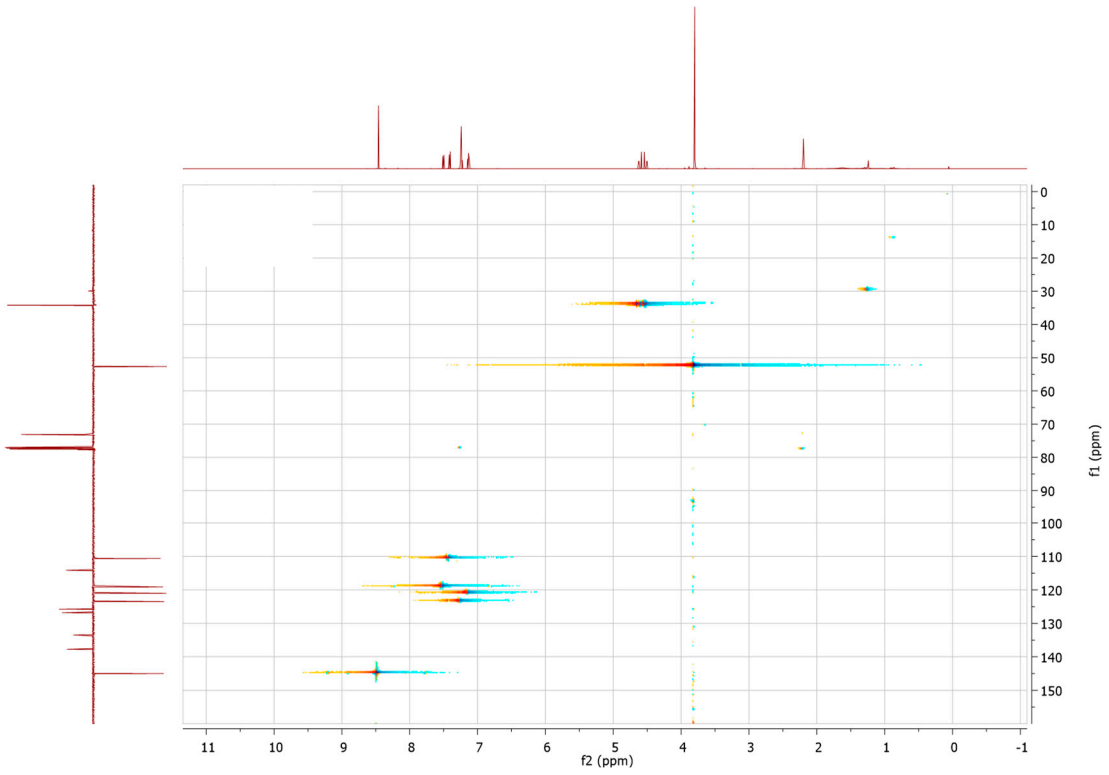
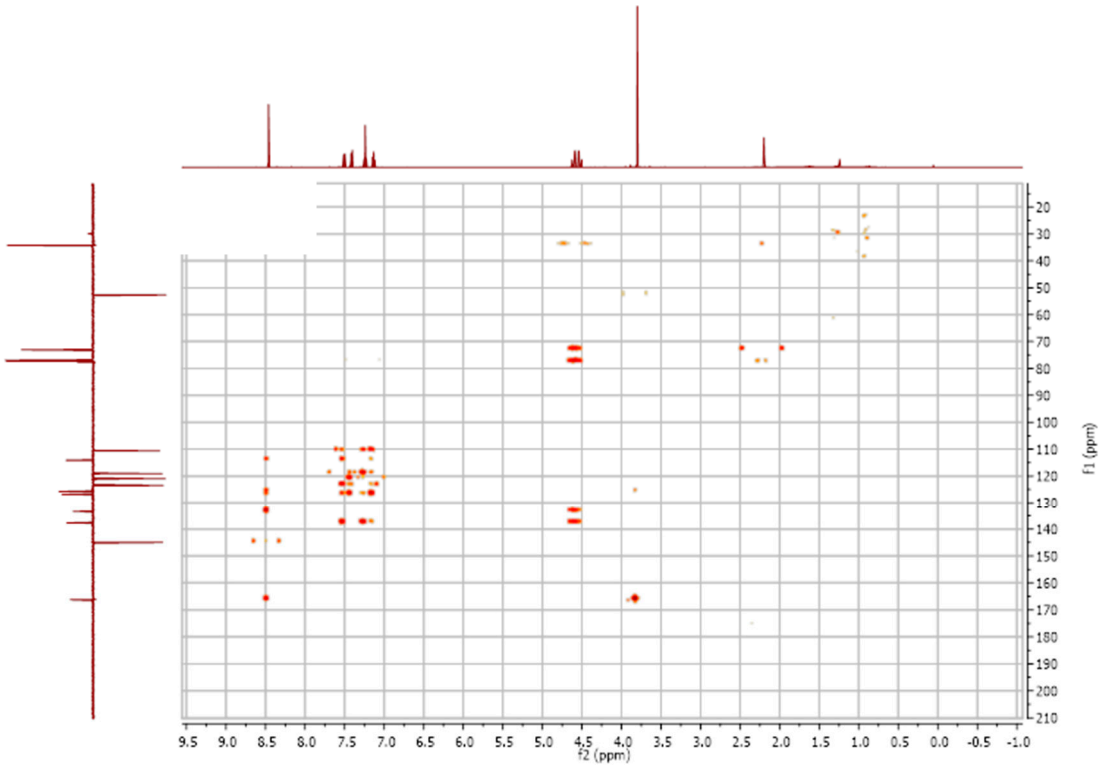


Figure S19. HMBC of **5** (500 MHz, $CDCl_3$).



6. Copies of IR, ^{1}H and ^{13}C NMR spectra of product **6**

Figure S20. IR of **6**

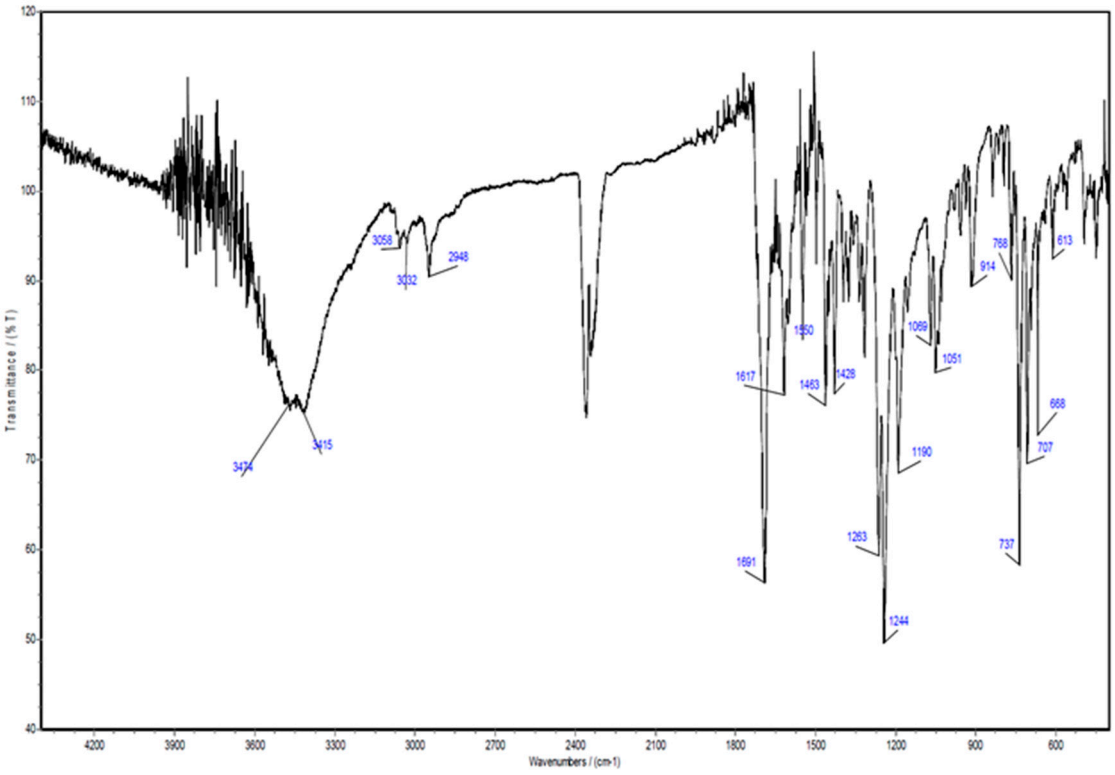


Figure S21. ^{1}H NMR of **6** (200 MHz, $CDCl_3$).

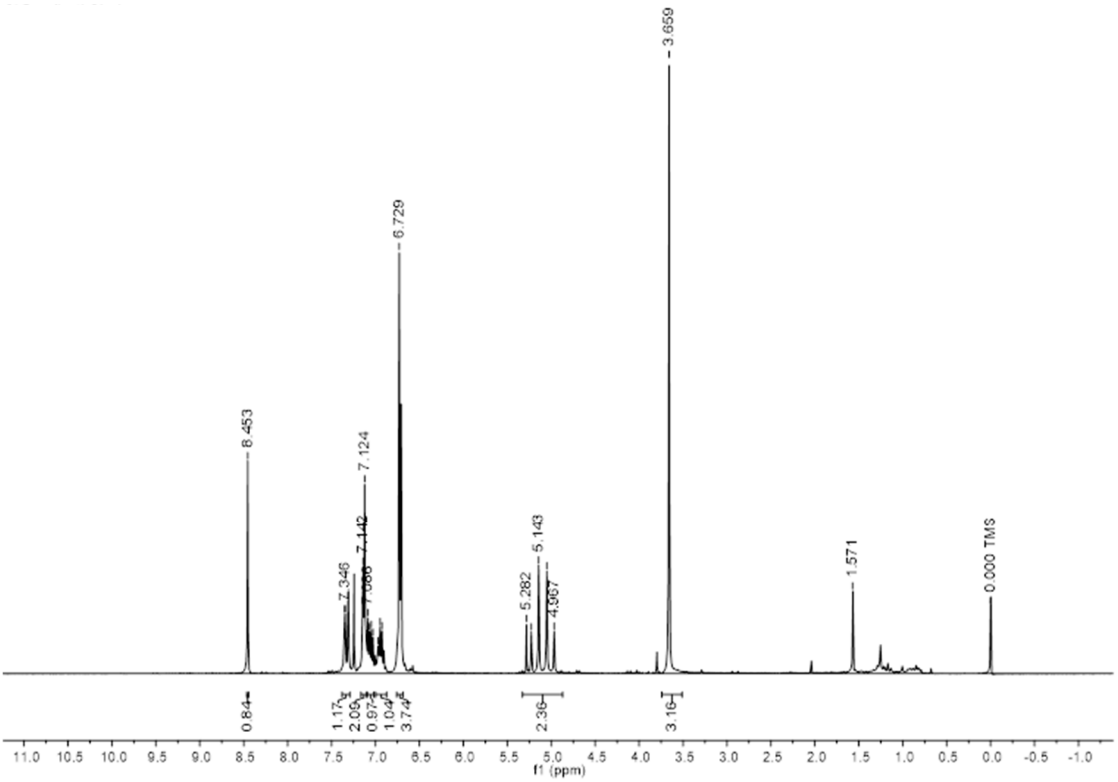
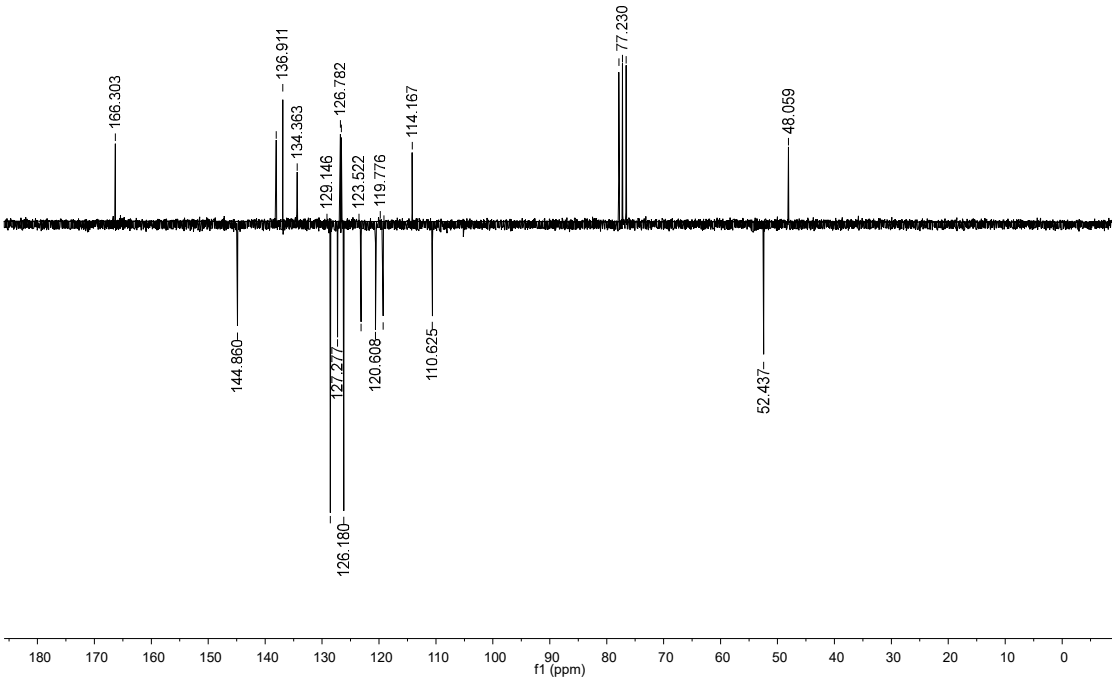


Figure S22. ^{13}C NMR of **6** (200 MHz, $CDCl_3$).



7. Copies of ^{1}H NMR, ^{13}C NMR and HMBC spectra of product **7**

Figure S23. ^{1}H NMR of **7** (500 MHz, MeOD).

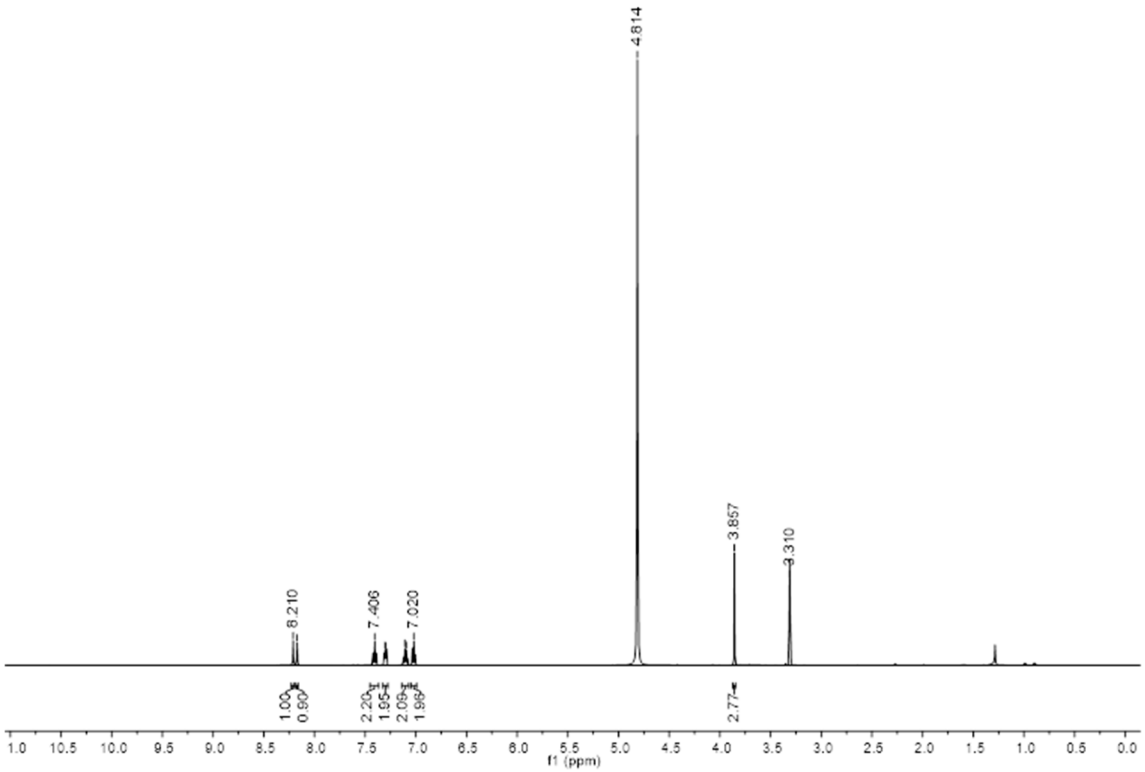


Figure S24. ^{13}C NMR of **7** (500 MHz, MeOD).

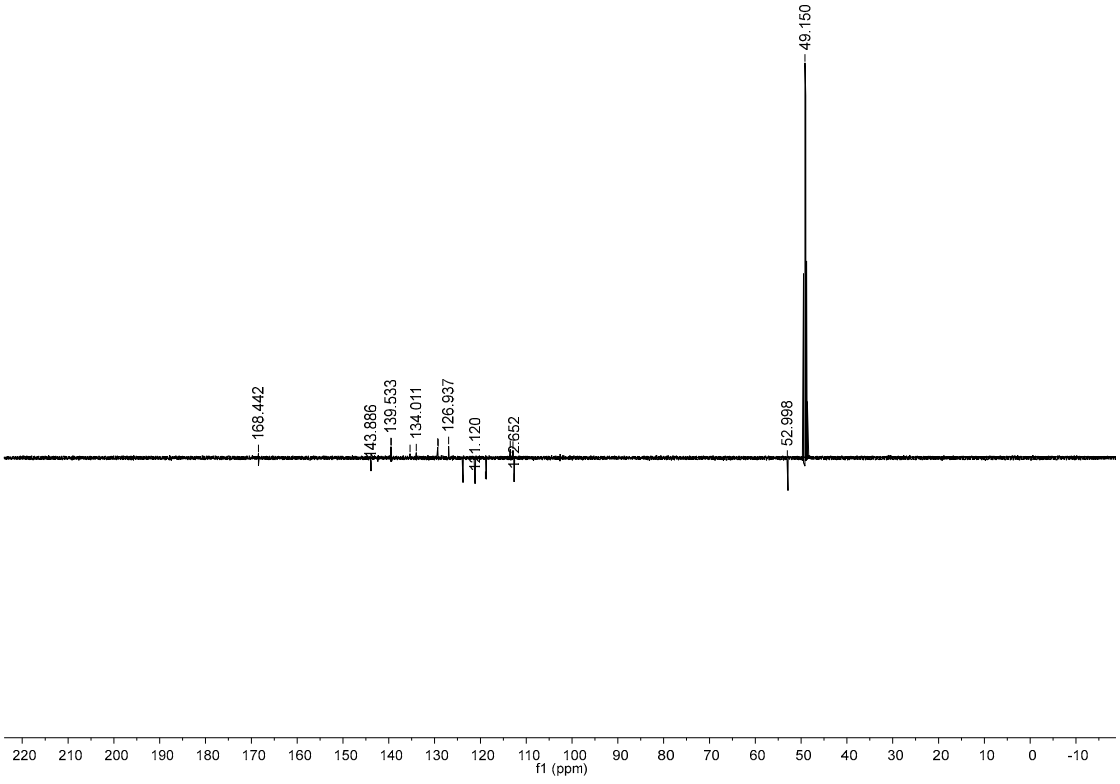
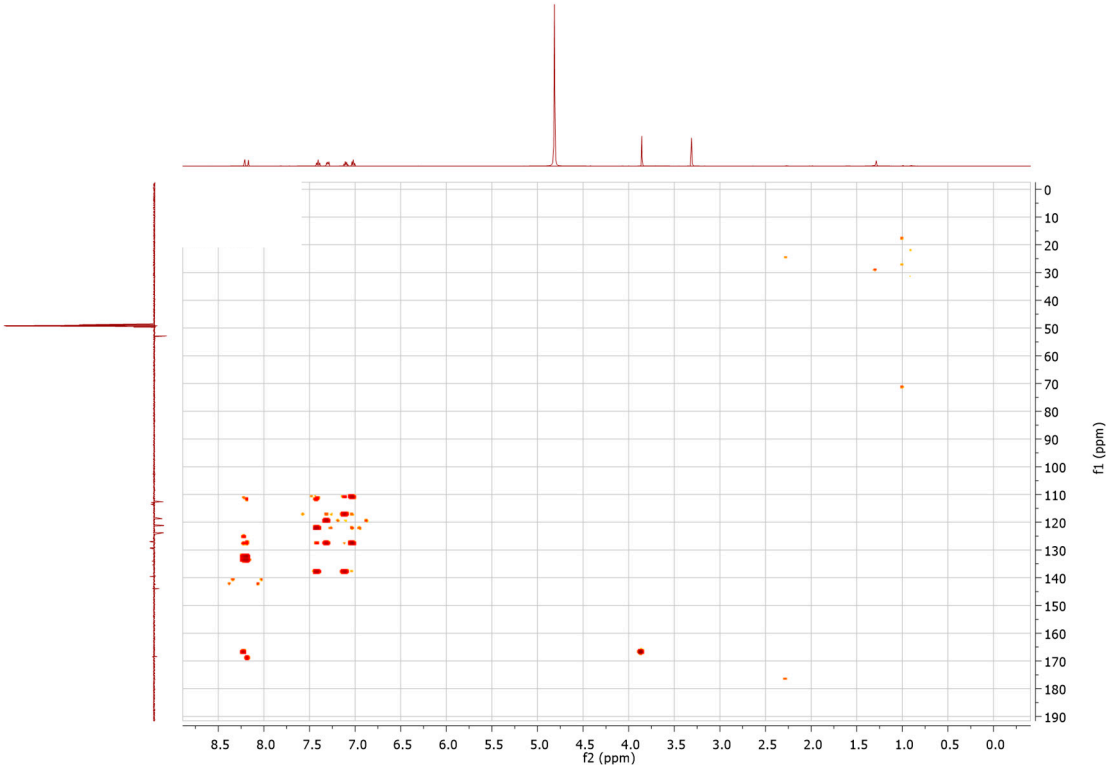


Figure S25. HMBC of **7** (500 MHz, MeOD).



8. Copies of ^{1}H NMR, ^{13}C NMR, COSY, HMQC and HMBC spectra of product **8**

Figure S26. ^{1}H NMR of **8** (500 MHz, $CDCl_3$).

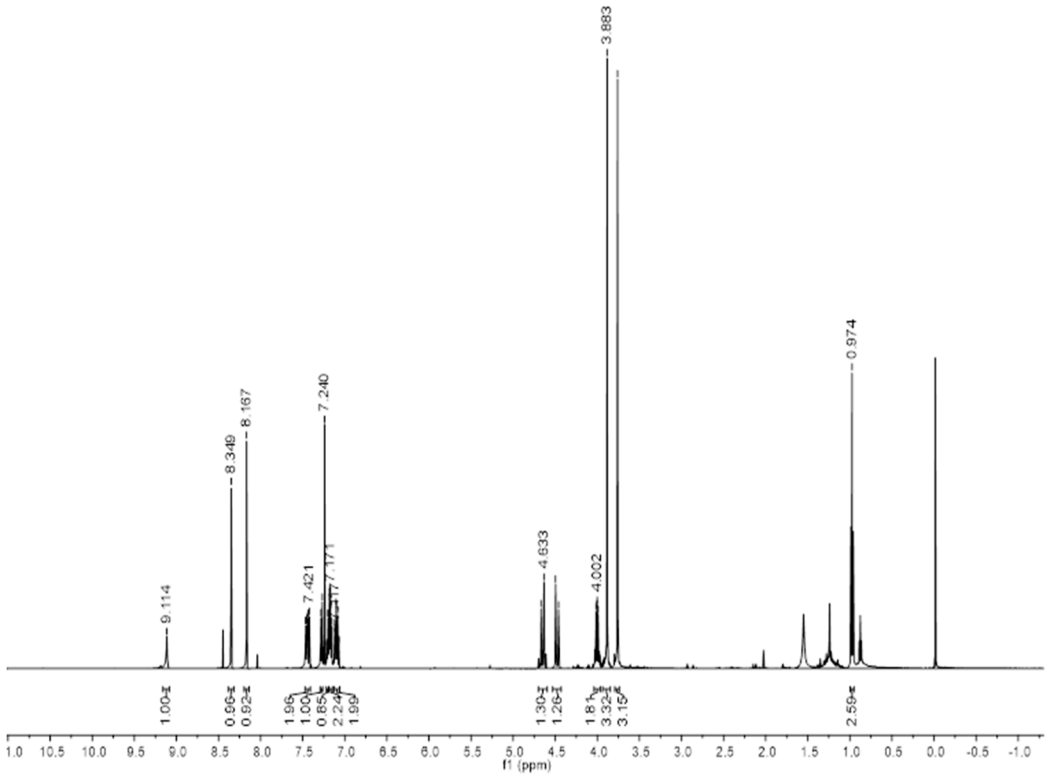


Figure S27. ^{13}C NMR of **8** (500 MHz, $CDCl_3$).

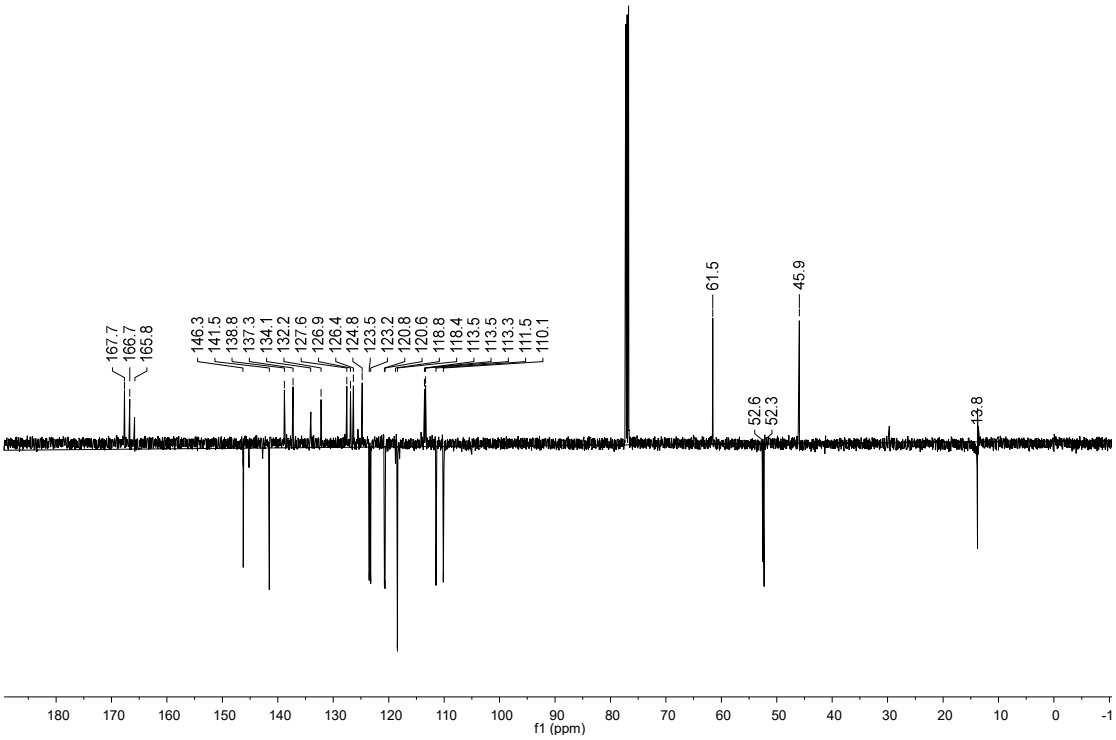


Figure S28. COSY of **8** (500 MHz, $CDCl_3$).

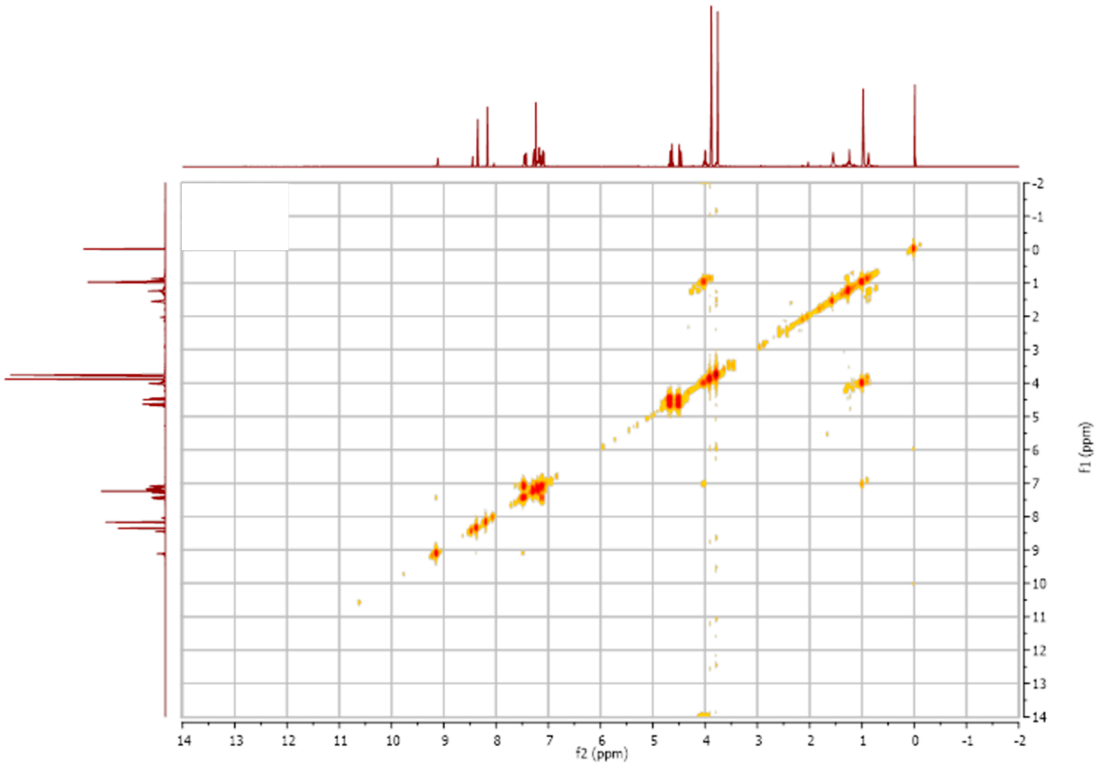


Figure S29. HMQC of **8** (500 MHz, $CDCl_3$).

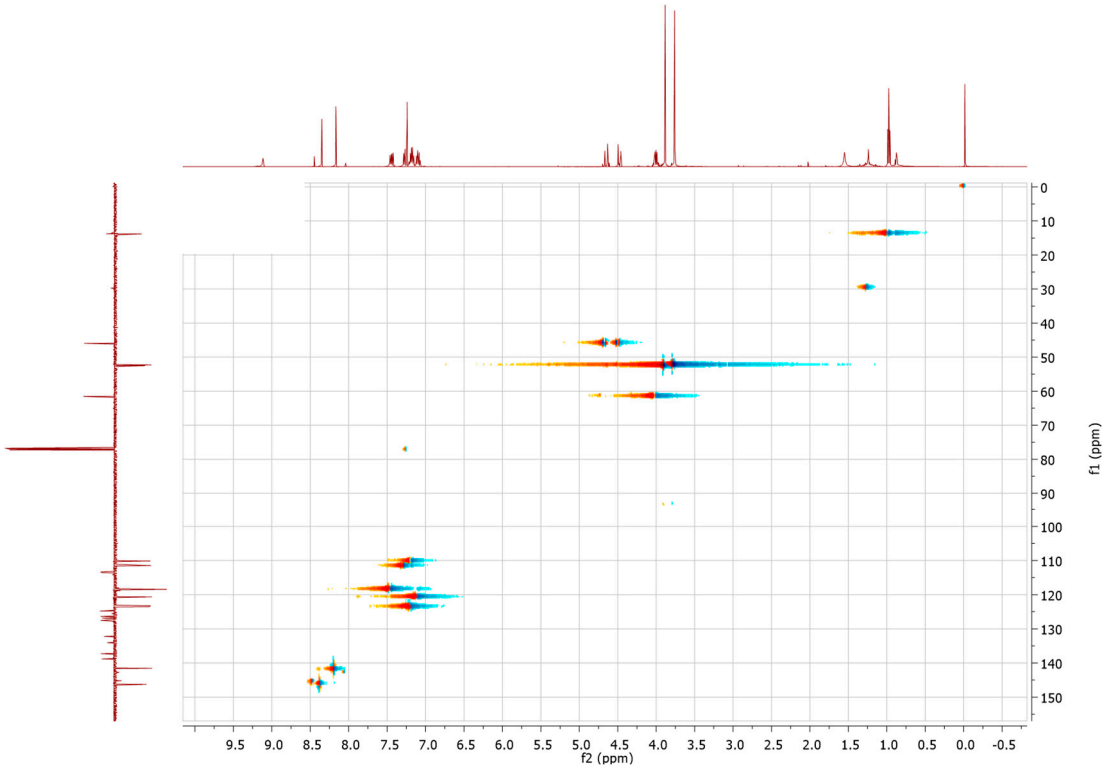
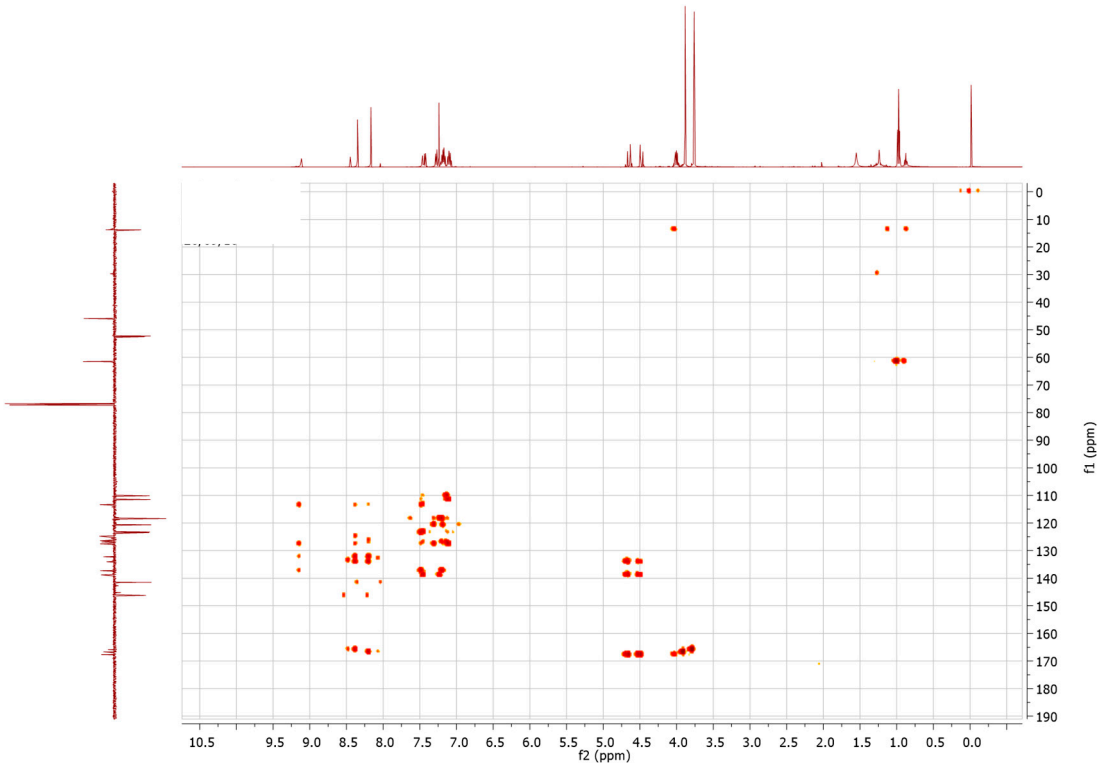


Figure S30. HMBC of **8** (500 MHz, $CDCl_3$).



9. Copies of IR, ^{1}H and ^{13}C NMR spectra of product **9**

Figure S31. IR of **9**

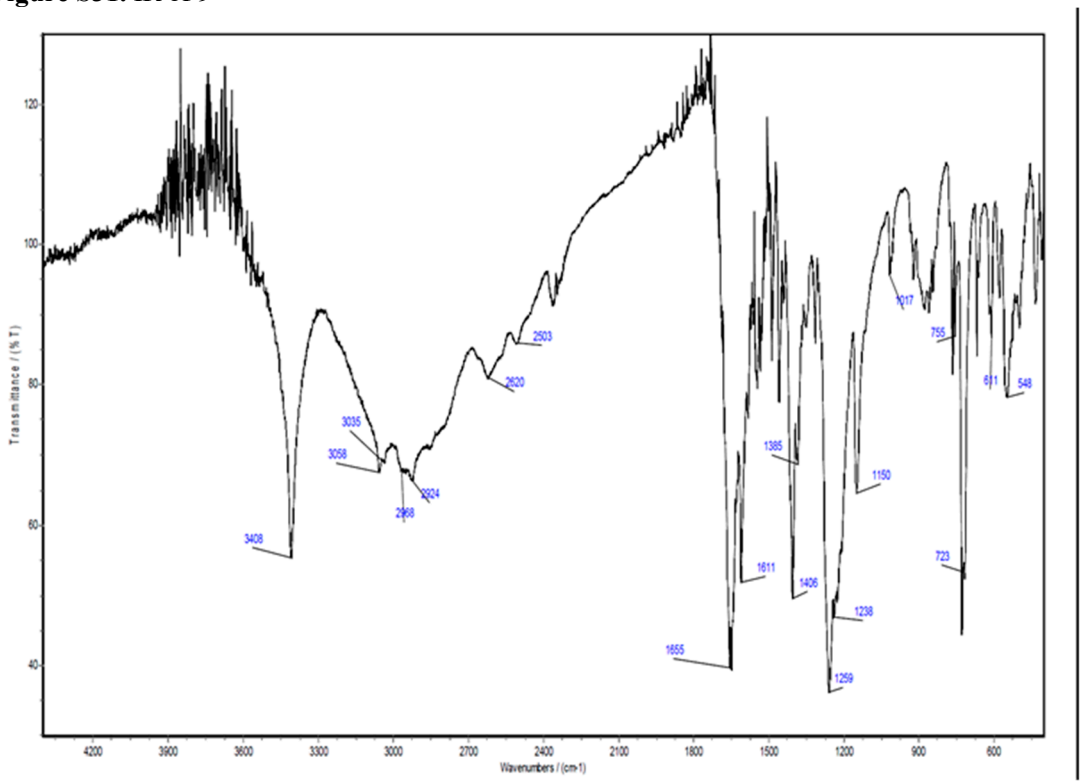


Figure S32. ^{1}H NMR of **9** (200 MHz, MeOD).

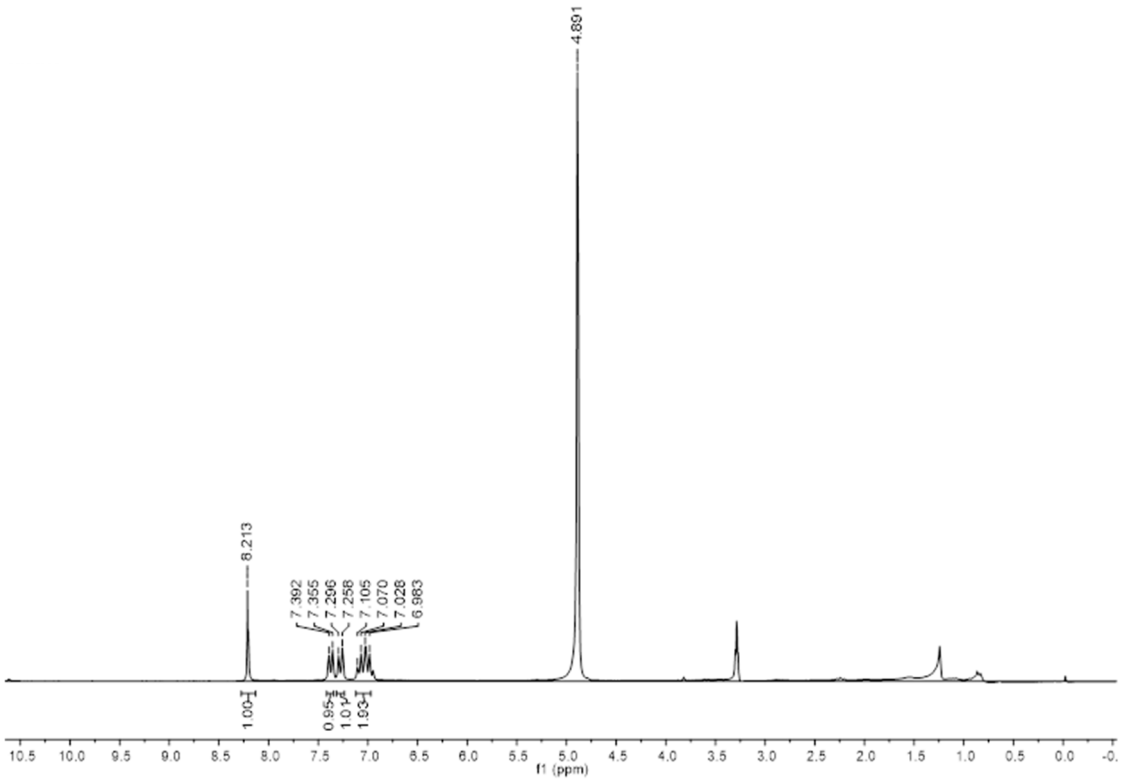
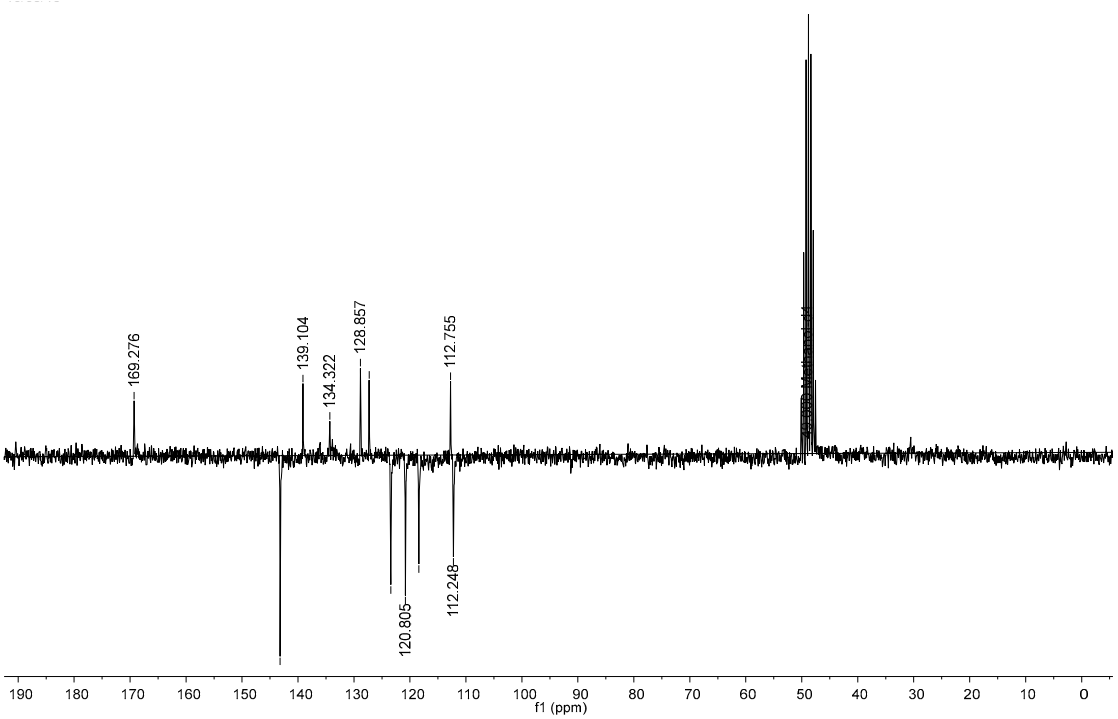


Figure S33. ^{13}C NMR of **9** (200 MHz, MeOD).



10. Copies of IR, ^{1}H and ^{13}C NMR spectra of product **10**

Figure S34. IR of **10**

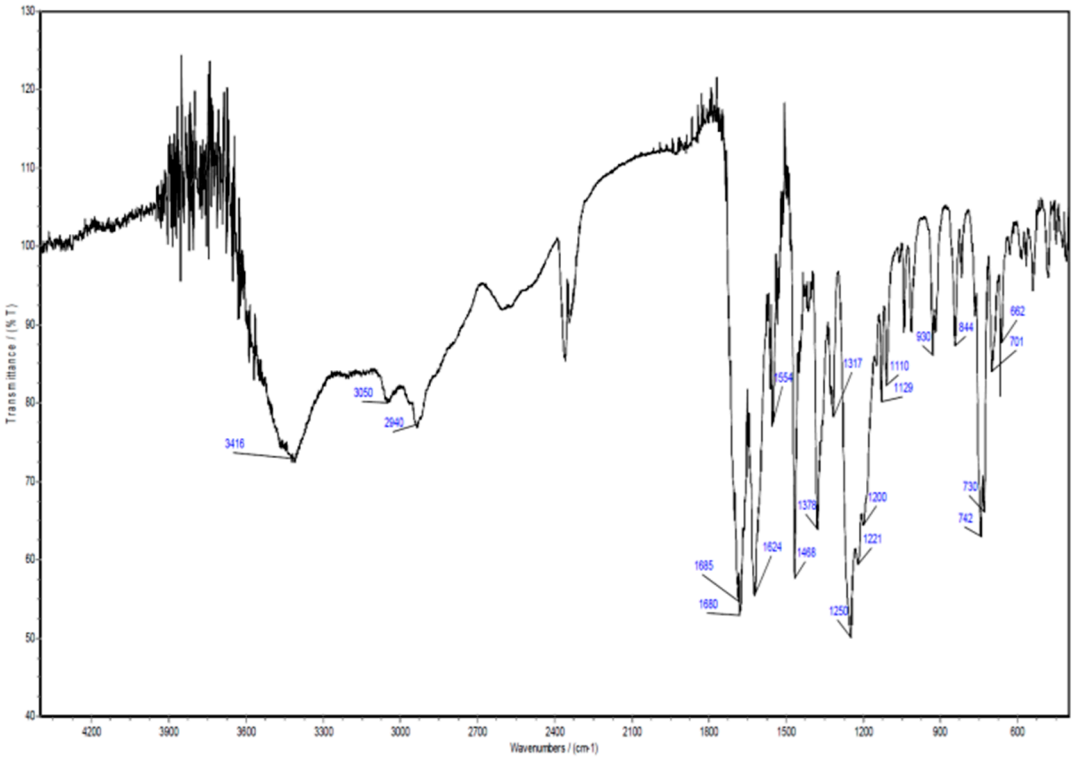


Figure S35. ^{1}H NMR of **10** (200 MHz, MeOD).

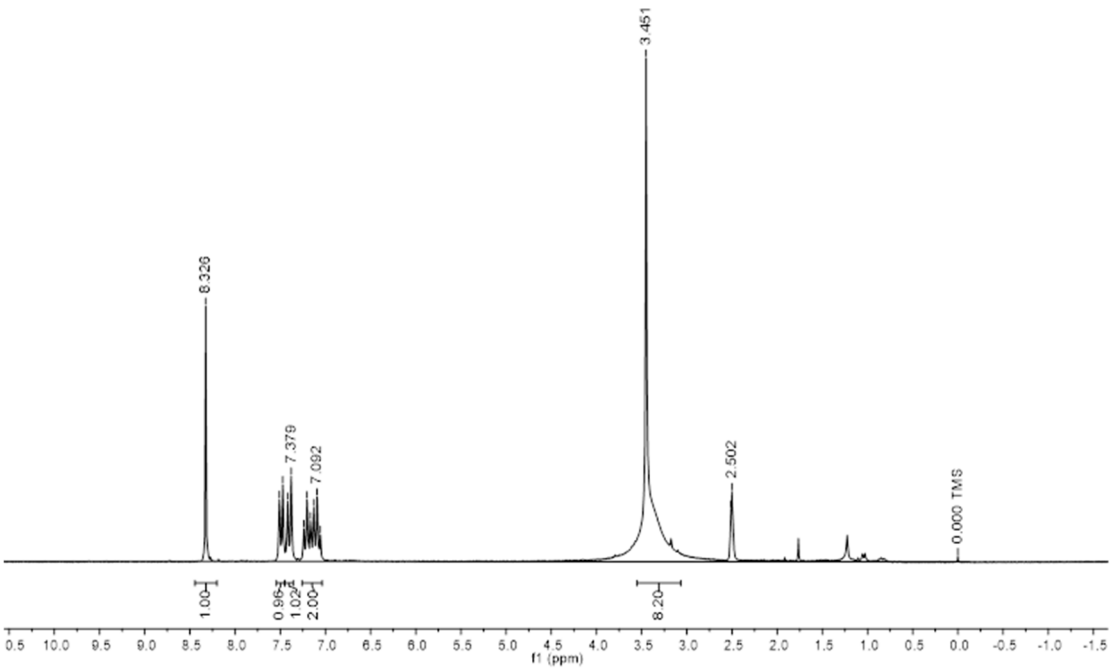
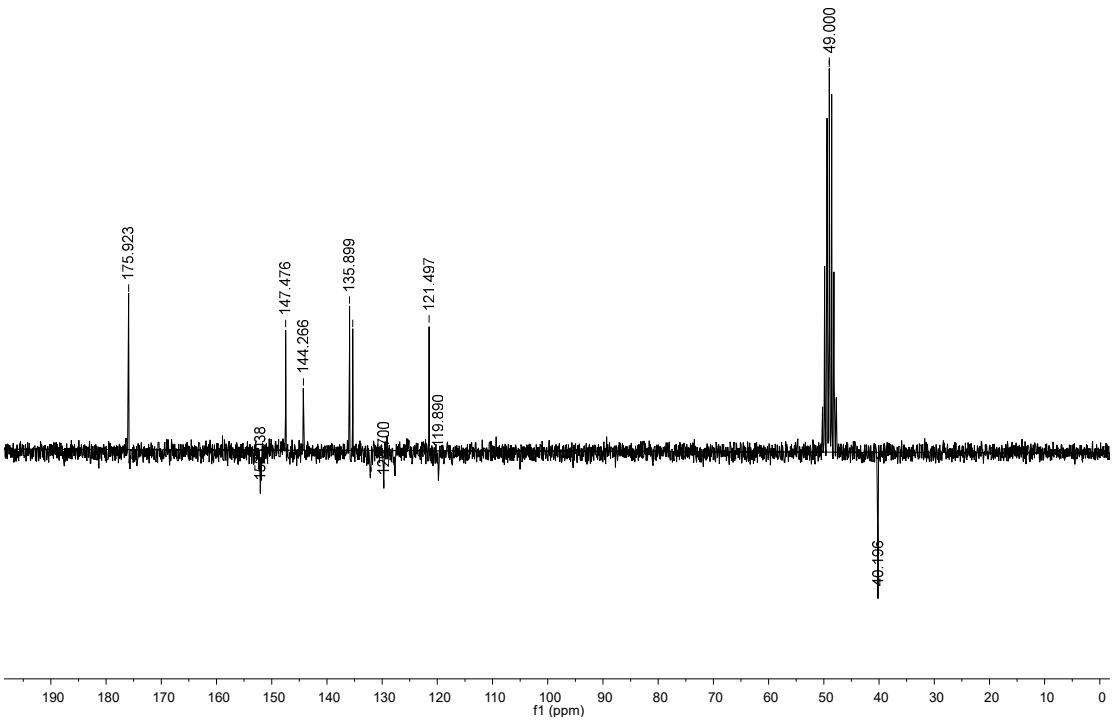


Figure S36. ^{13}C NMR of **10** (200 MHz, MeOD).



11. Copies of IR, ^{1}H NMR, ^{13}C NMR and HMBC spectra of product **11**

Figure S37. IR of **11**

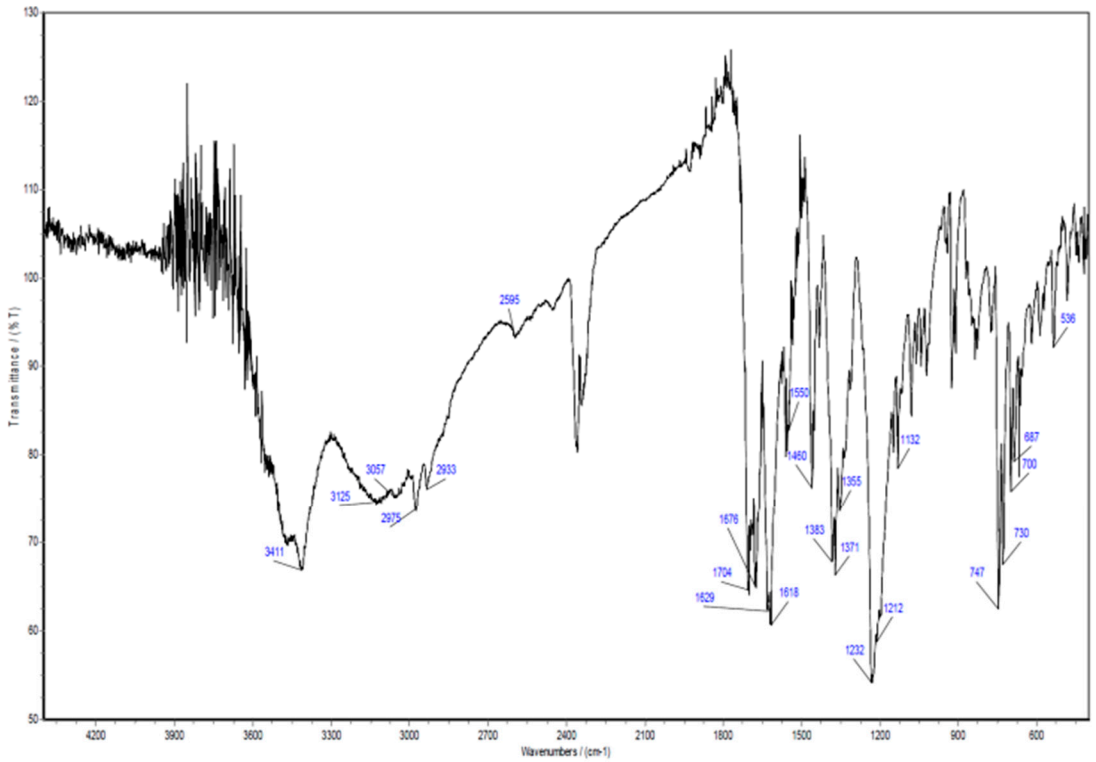


Figure S38. ^{1}H NMR of **11** (200 MHz, MeOD).

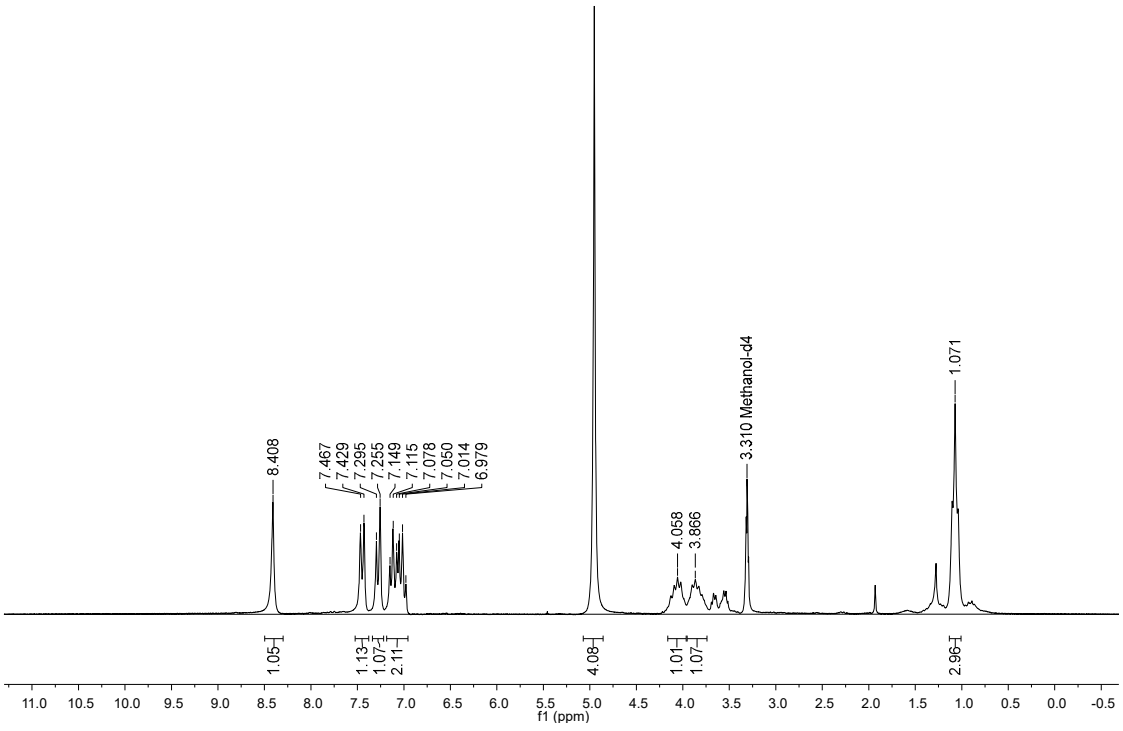


Figure S39. ^{13}C NMR of **11** (200 MHz, MeOD).

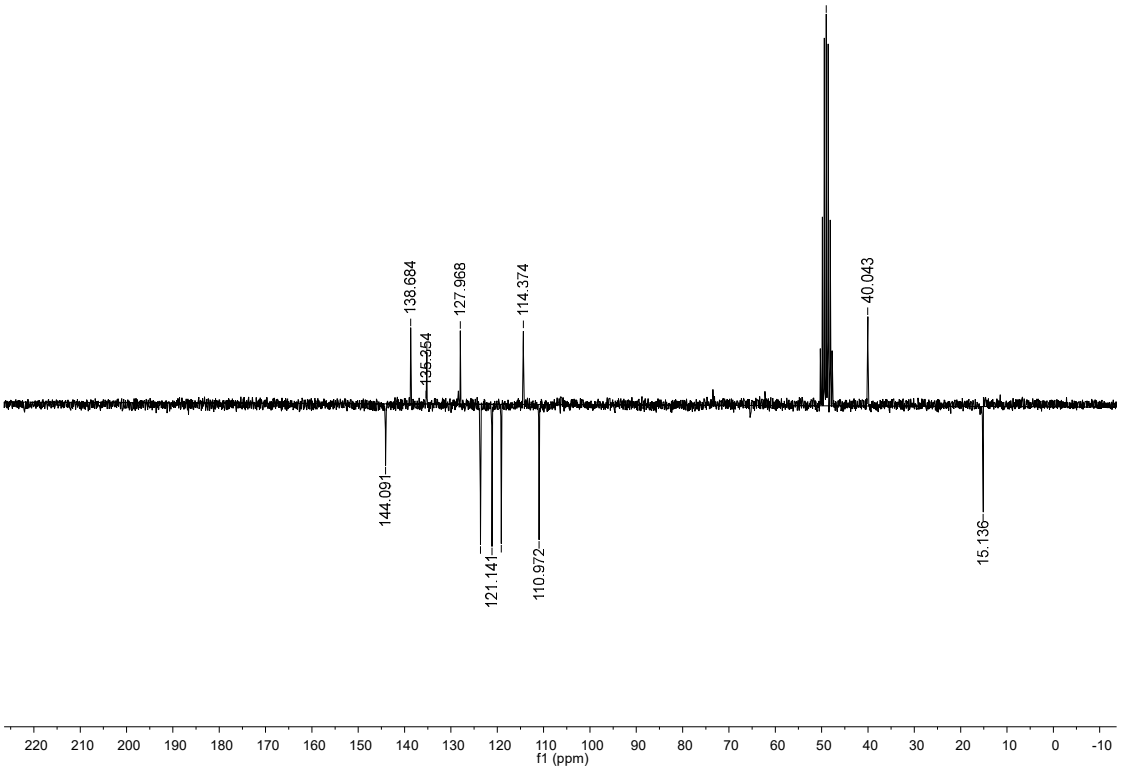
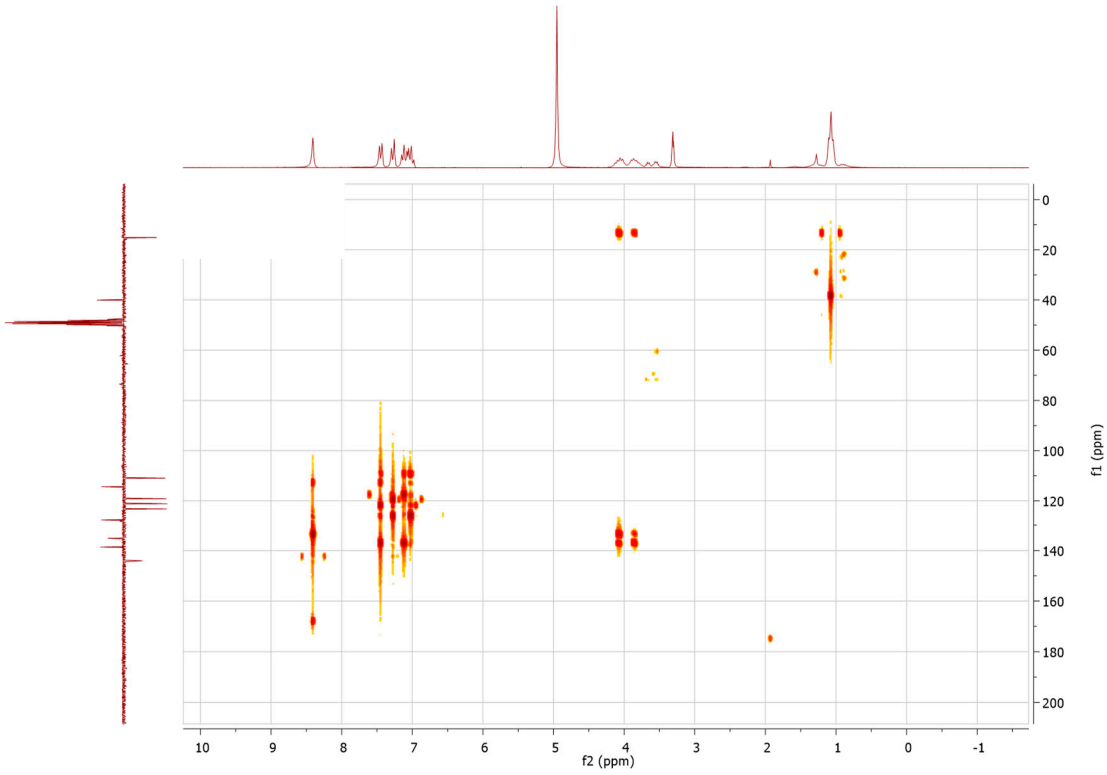


Figure S40. HMBC of **11** (500 MHz, MeOD).



12. Copies of IR, ^{1}H and ^{13}C NMR spectra of product **12**

Figure S41. IR of **12**

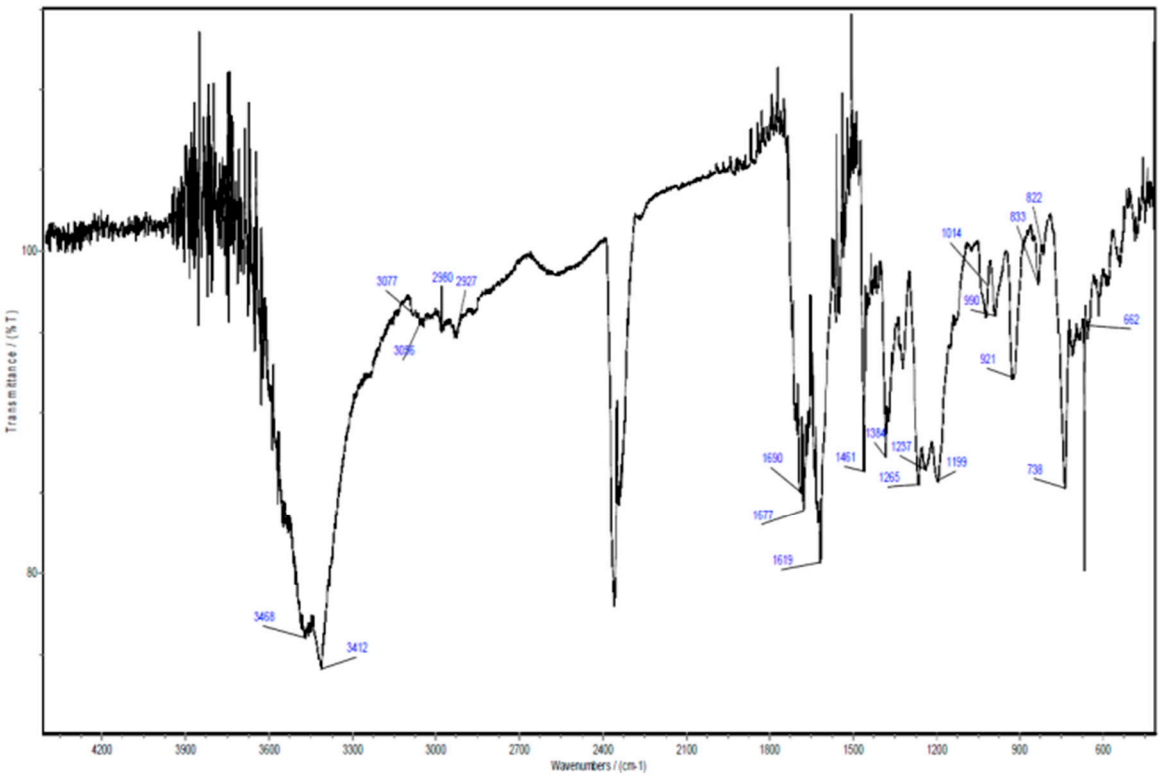


Figure S42. ^{1}H NMR of **12** (200 MHz, MeOD).

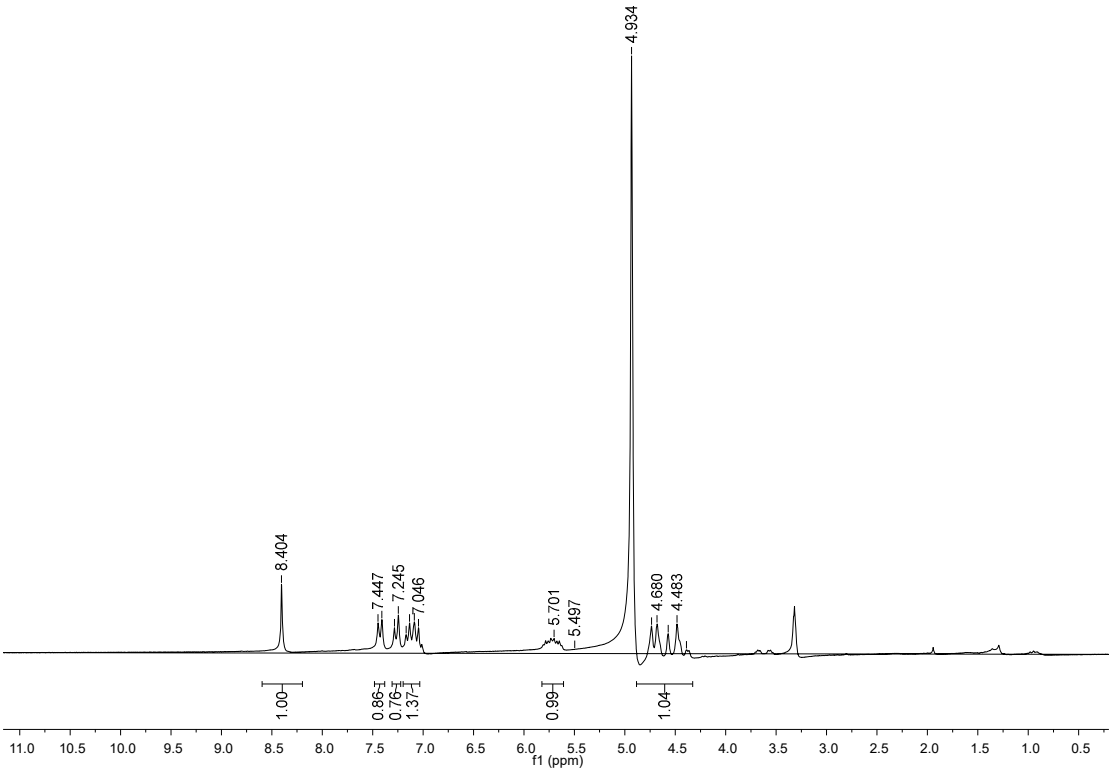
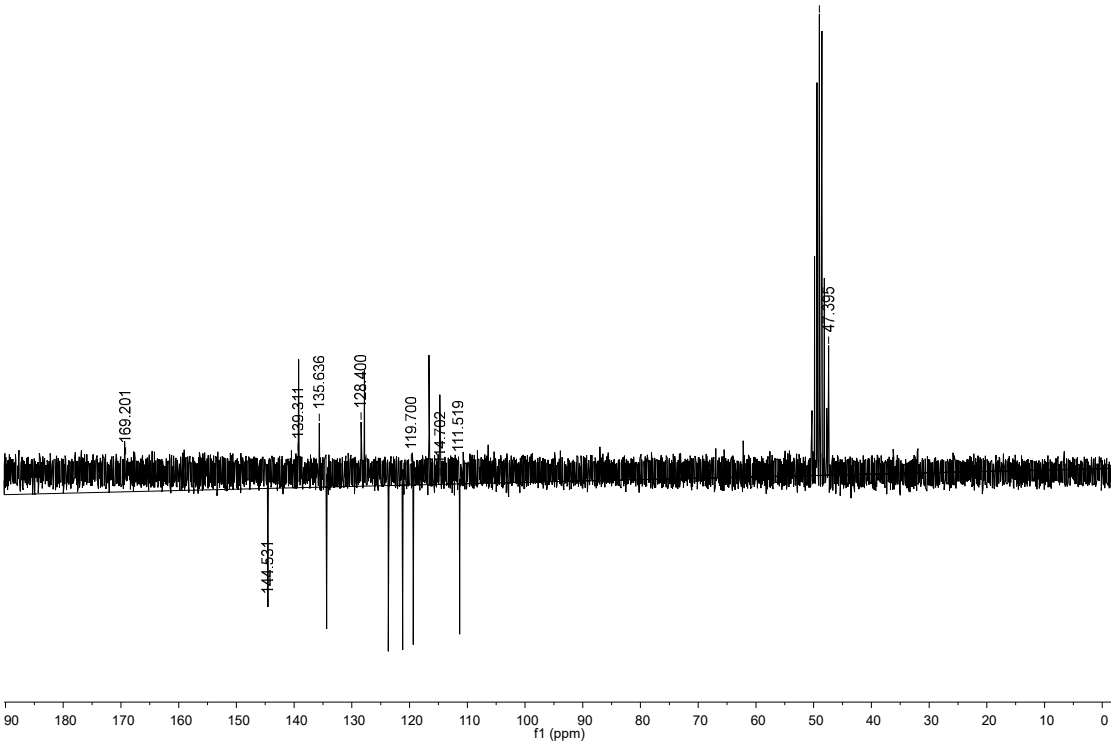


Figure S43. ^{13}C NMR of **12** (200 MHz, MeOD).



13. Copies of IR, ^{1}H NMR, ^{13}C NMR and HMBC spectra of product **13**

Figure S44. IR of **13**

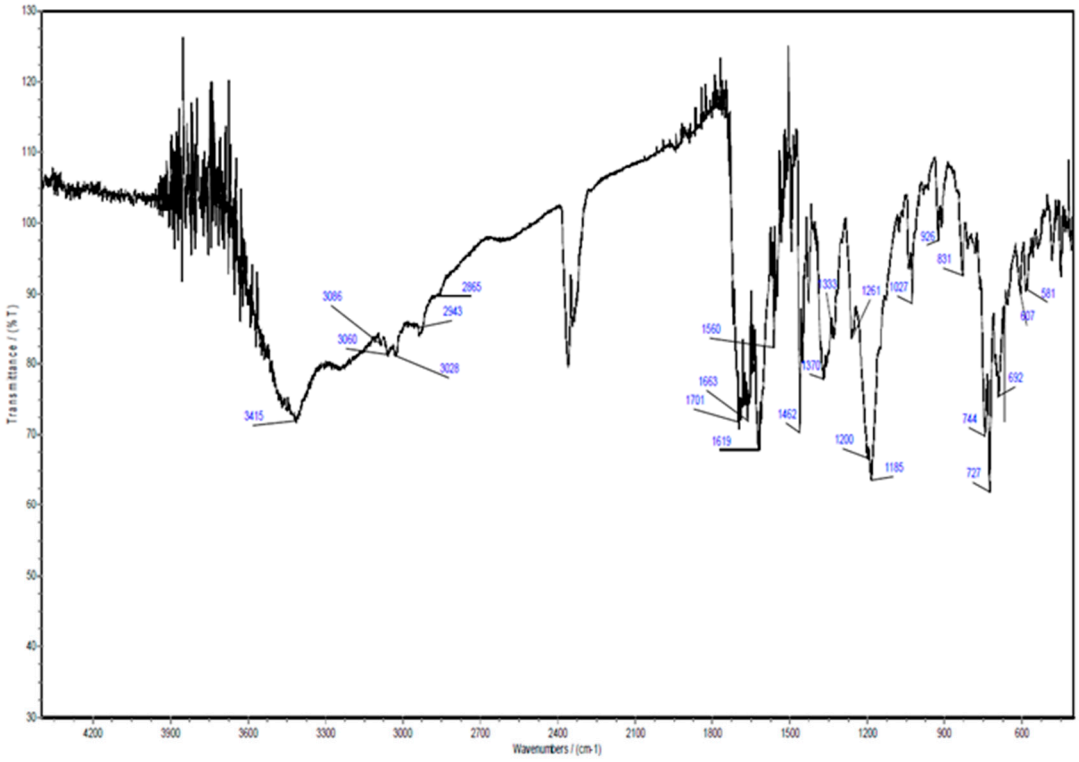


Figure S45. ^{1}H NMR of **13** (200 MHz, MeOD).

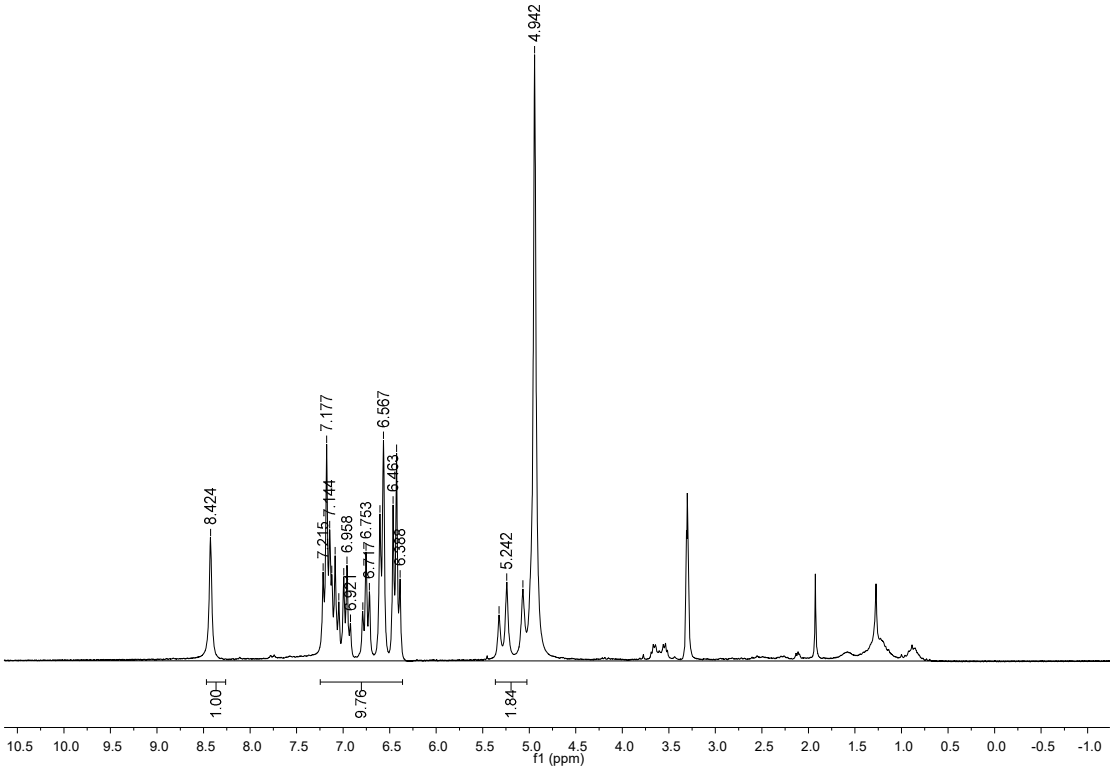


Figure S46. ^{13}C NMR of **13** (200 MHz, MeOD).

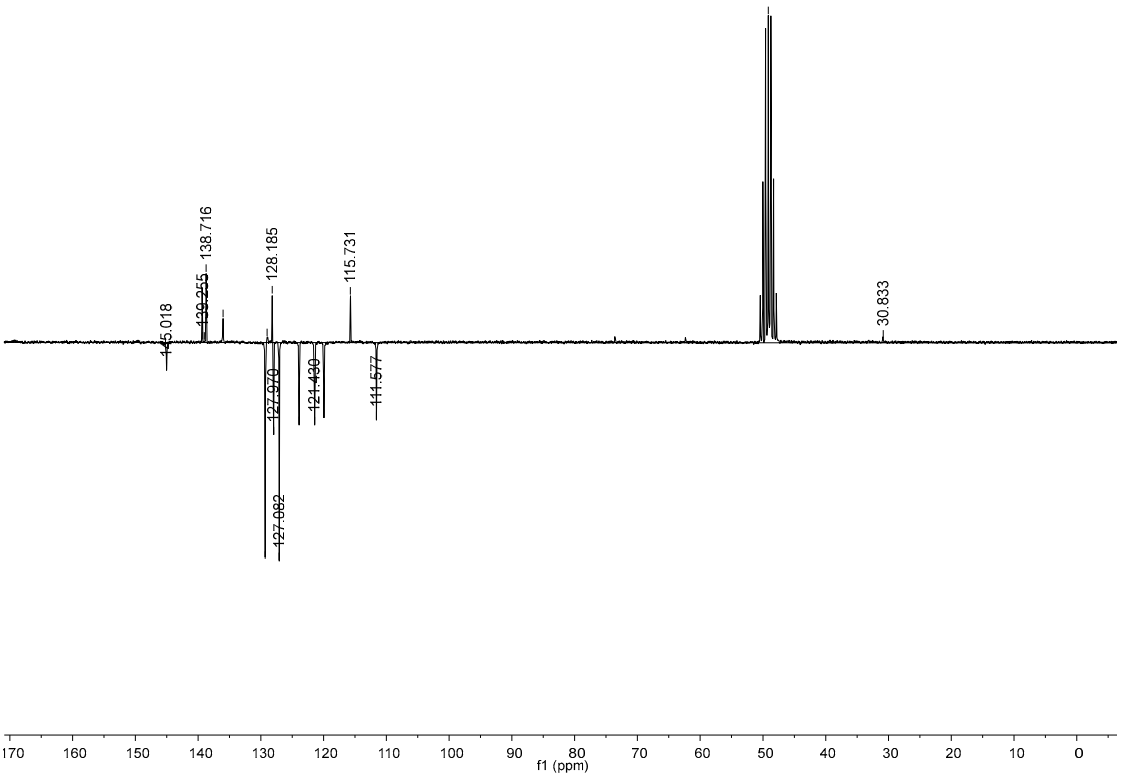
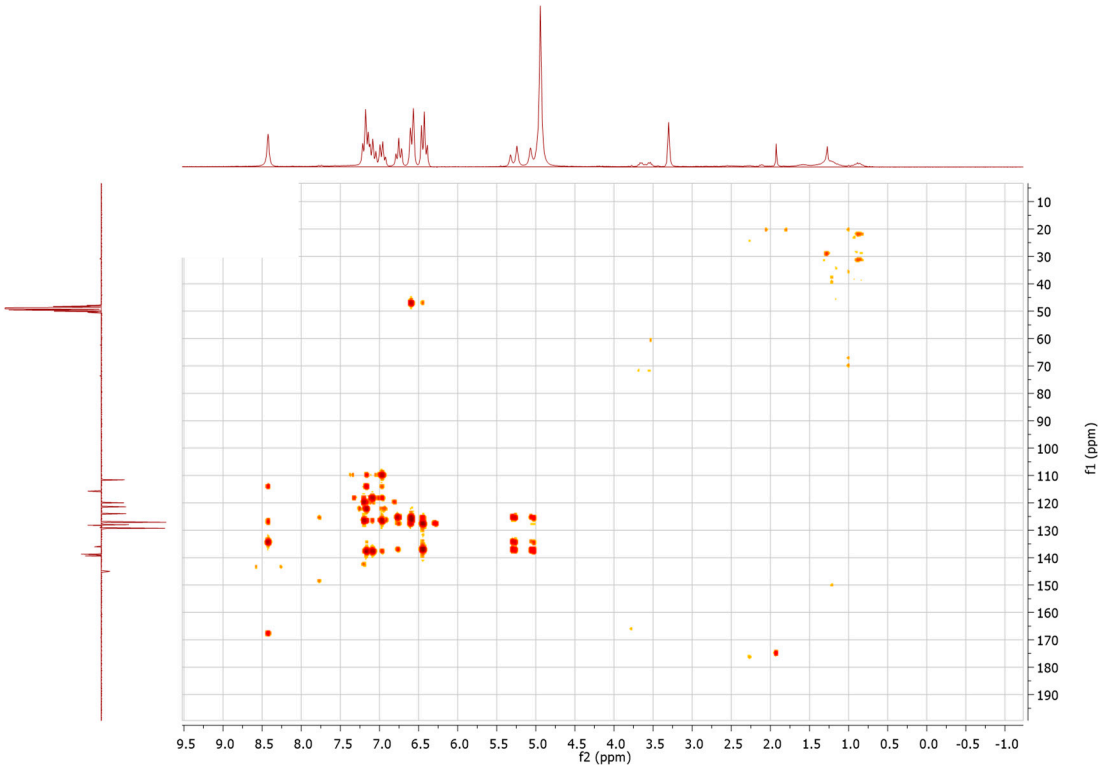


Figure S47. HMBC of **13** (500 MHz, MeOD).



14. Copies of ^{1}H and ^{13}C NMR spectra of product **14**

Figure S48. ^{1}H NMR of **14** (200 MHz, $CDCl_3$).

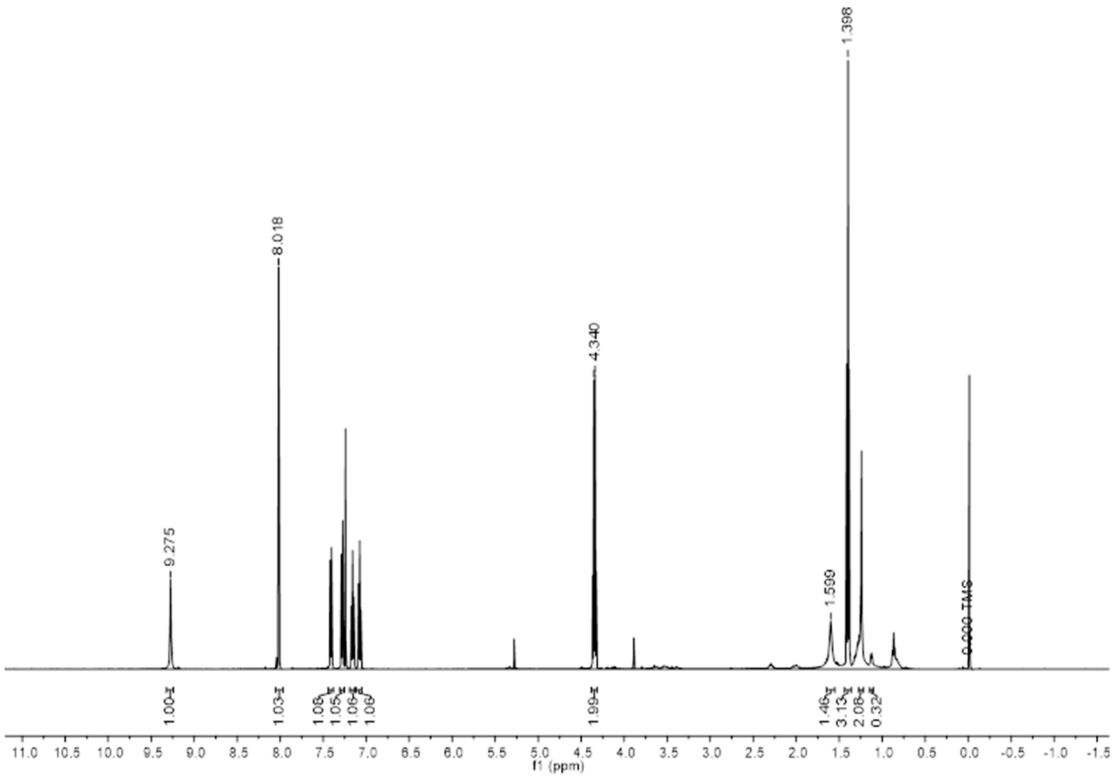
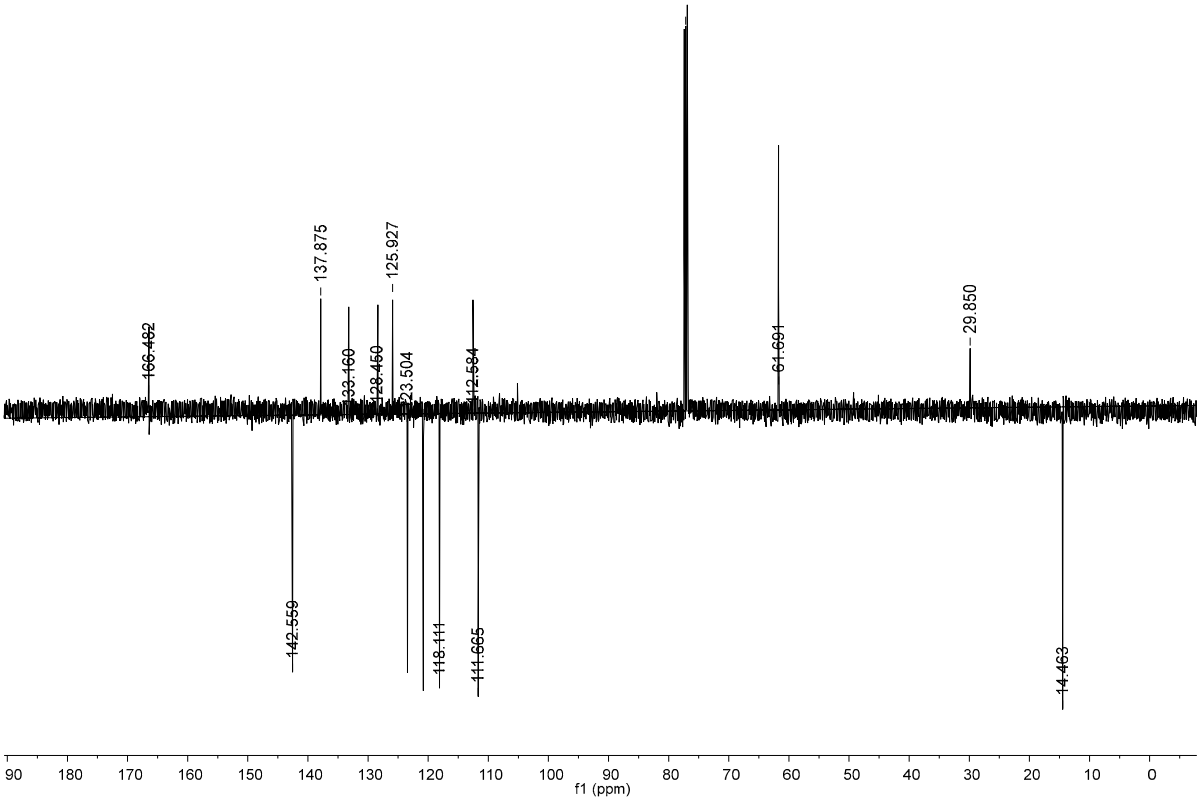


Figure S49. ^{13}C NMR of **14** (200 MHz, $CDCl_3$).



15. Copies of ^{1}H and ^{13}C NMR spectra of product **15**

Figure S50. ^{1}H NMR of **15** (200 MHz, $CDCl_3$).

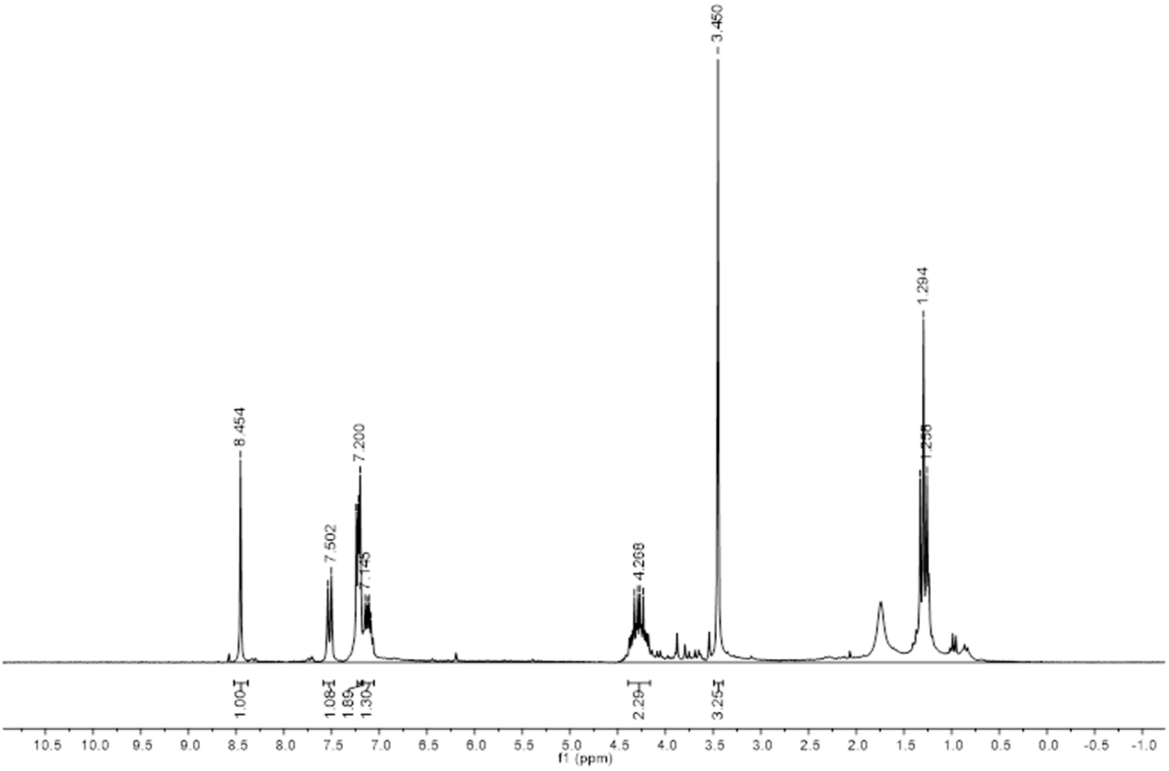


Figure S51. ^{13}C NMR of **15** (200 MHz, $CDCl_3$).

