

Supporting Information

Contents

Figure S1a. Experimental ECD spectrum of **1**

Figure S1b. Experimental ECD spectrum and calculated ECD data of aspertamarinolide A

Figure S2. HRESIMS spectrum of **1**

Figure S3. ^1H NMR spectrum (600 MHz, CD_3OD) of **1**

Figure S4. ^{13}C NMR spectrum (150 MHz, CD_3OD) of **1**

Figure S5. HSQC spectrum of **1**

Figure S6. HMBC spectrum of **1**

Figure S7. ^1H - ^1H COSY spectrum of **1**

Figure S8. NOESY spectrum of **1**

Figure S9. ^1H NMR spectrum (600 MHz, CD_3OD) of **2**

Figure S10. ^{13}C NMR spectrum (150 MHz, CD_3OD) of **2**

Figure S11. ^1H NMR spectrum (400 MHz, CD_3OD) of **3**

Figure S12. ^{13}C NMR spectrum (100 MHz, CD_3OD) of **3**

Figure S13. ^1H NMR spectrum (600 MHz, CD_3OD) of **4**

Figure S14. ^{13}C NMR spectrum (150 MHz, CD_3OD) of **4**

Figure S15. ^1H NMR spectrum (600 MHz, CDCl_3) of **5**

Figure S16. ^{13}C NMR spectrum (150 MHz, CDCl_3) of **5**

Figure S17. ^1H NMR spectrum (400 MHz, CDCl_3) of **6**

Figure S18. ^{13}C NMR spectrum (100 MHz, CDCl_3) of **6**

Figure S19. ^1H NMR spectrum (400 MHz, CDCl_3) of **7**

Figure S20. ^{13}C NMR spectrum (100 MHz, CDCl_3) of **7**

Figure S21. ^1H NMR spectrum (400 MHz, CD_3OD) of **8**

Figure S22. ^{13}C NMR spectrum (100 MHz, CD_3OD) of **8**

Figure S23. ^1H NMR spectrum (400 MHz, CDCl_3) of **9**

Figure S24. ^{13}C NMR spectrum (100 MHz, CDCl_3) of **9**

Figure S25. The colony and microscopic morphology of strain MJ01

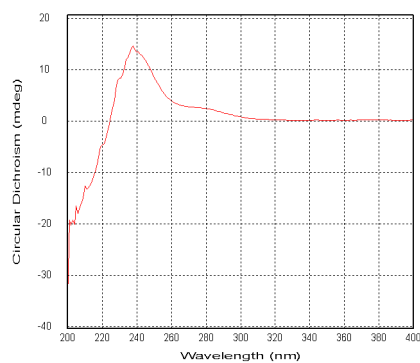


Figure S1a. Experimental ECD spectrum of **1**

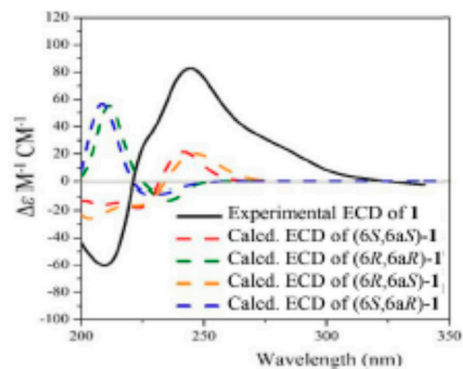


Figure S1b. Experimental ECD spectrum and calculated ECD data of aspertamarinolide A

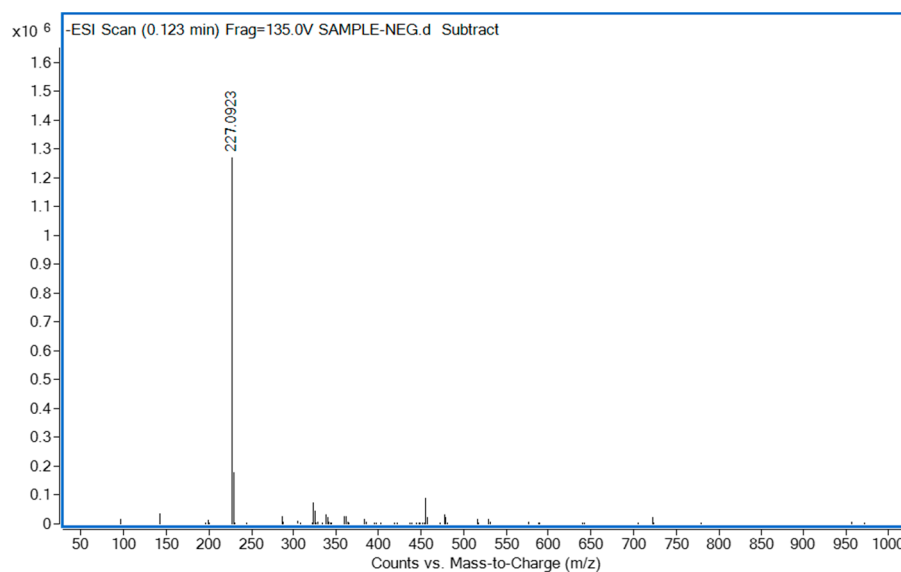


Figure S2. HRESIMS spectrum of **1**

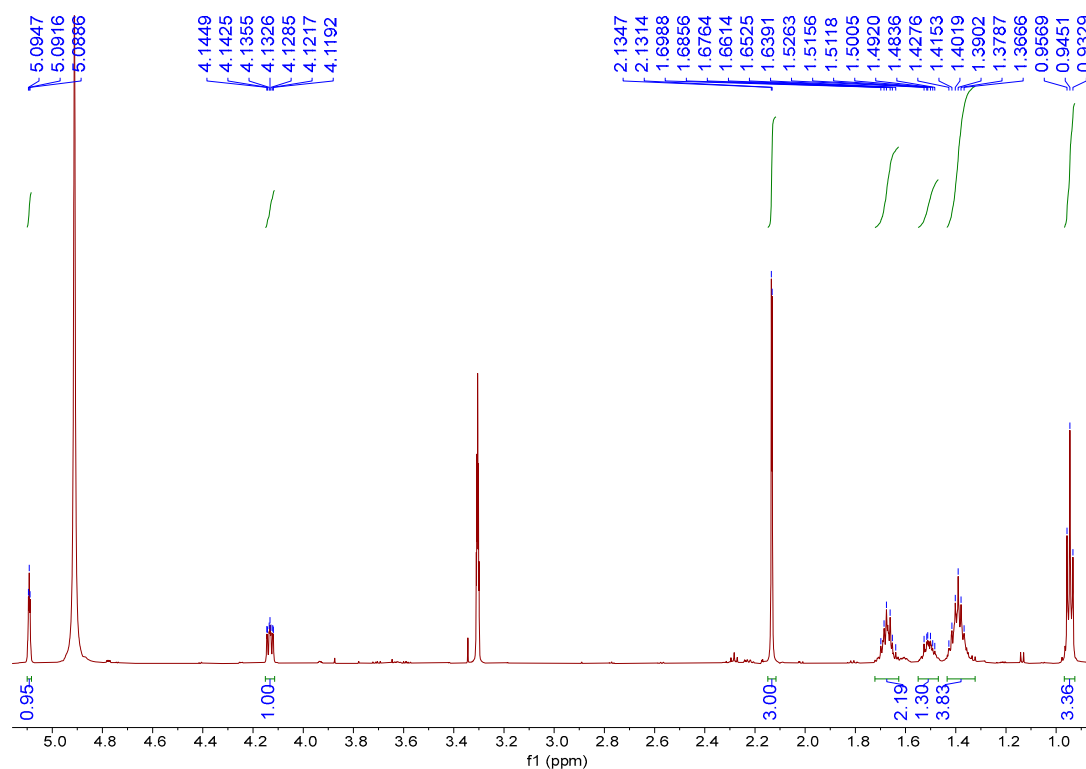


Figure S3. ¹H NMR spectrum (600 MHz, CD₃OD) of **1**

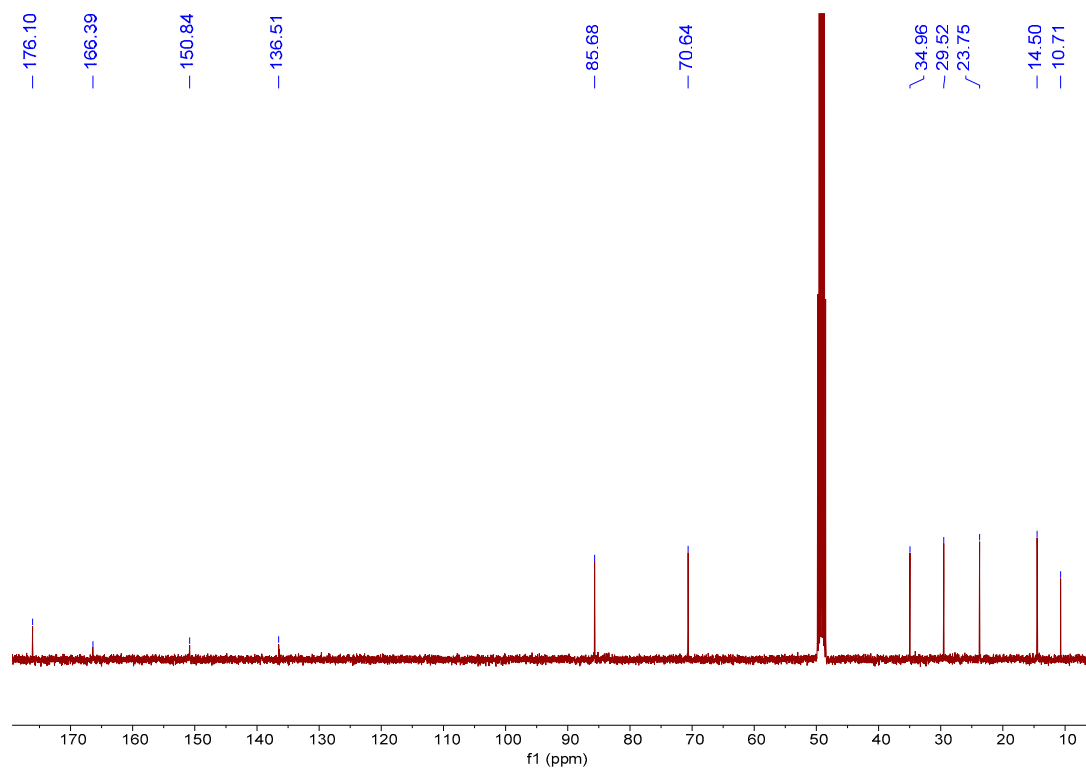


Figure S4. ¹³C NMR spectrum (150 MHz, CD₃OD) of **1**

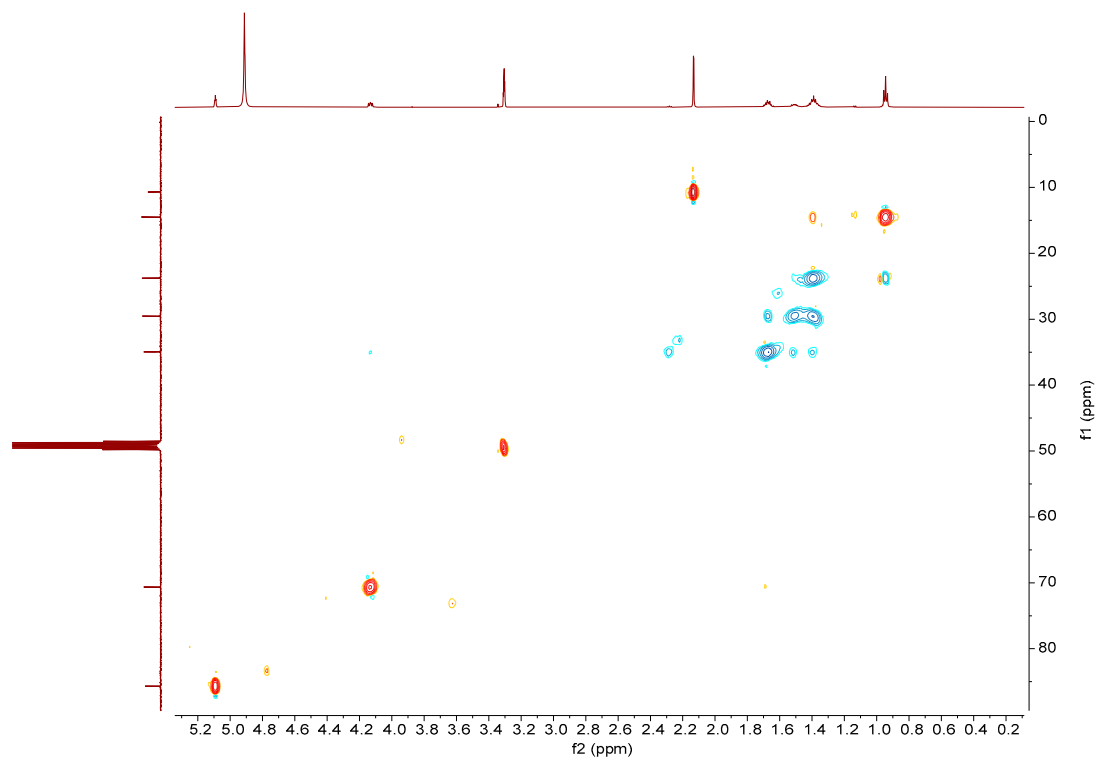


Figure S5. HSQC spectrum of **1**

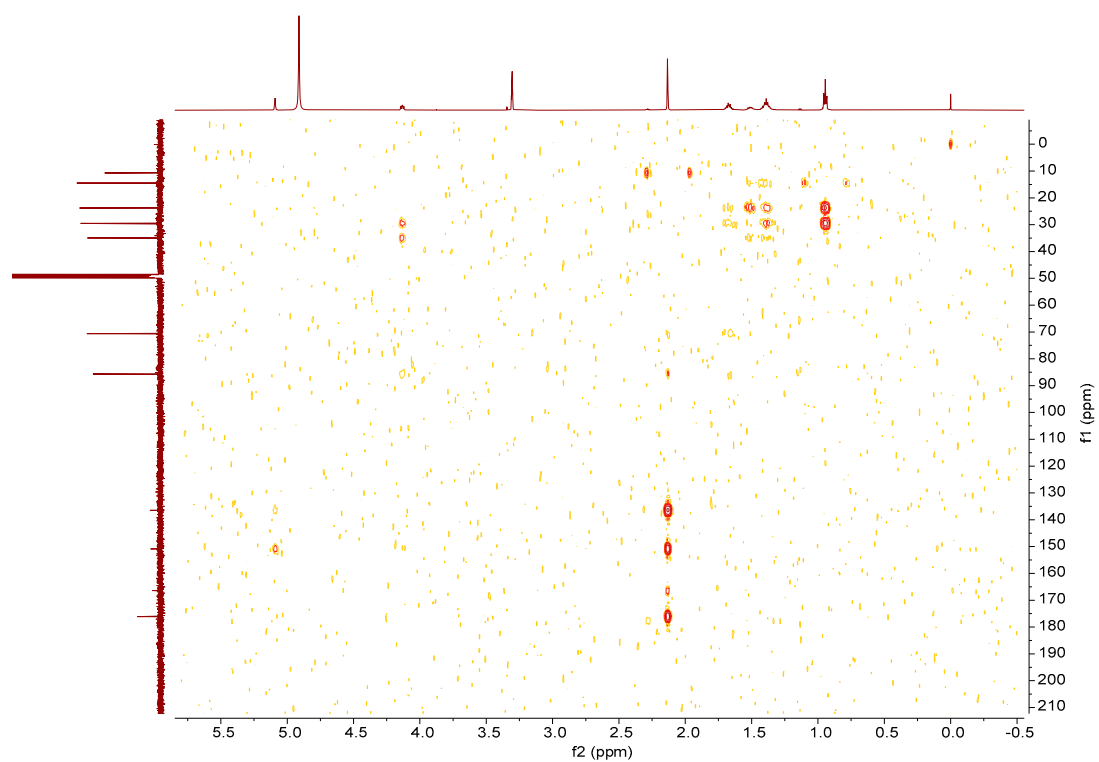


Figure S6. HMBC spectrum of **1**

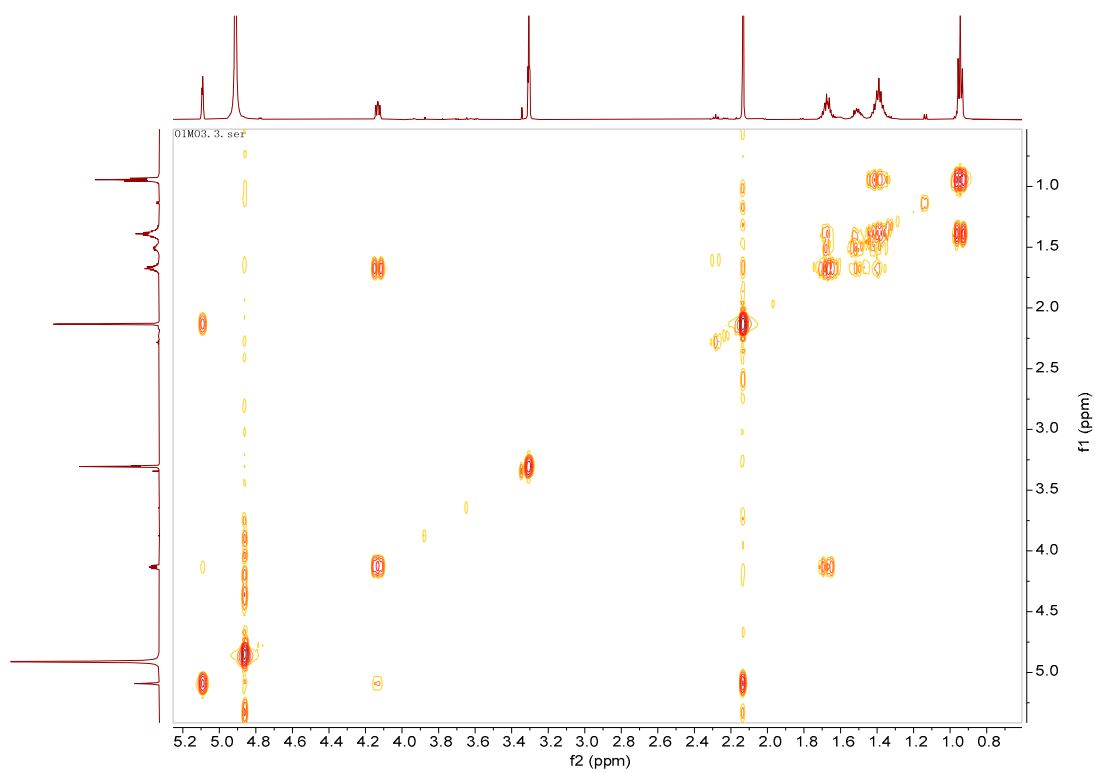


Figure S7. ^1H - ^1H COSY spectrum of **1**

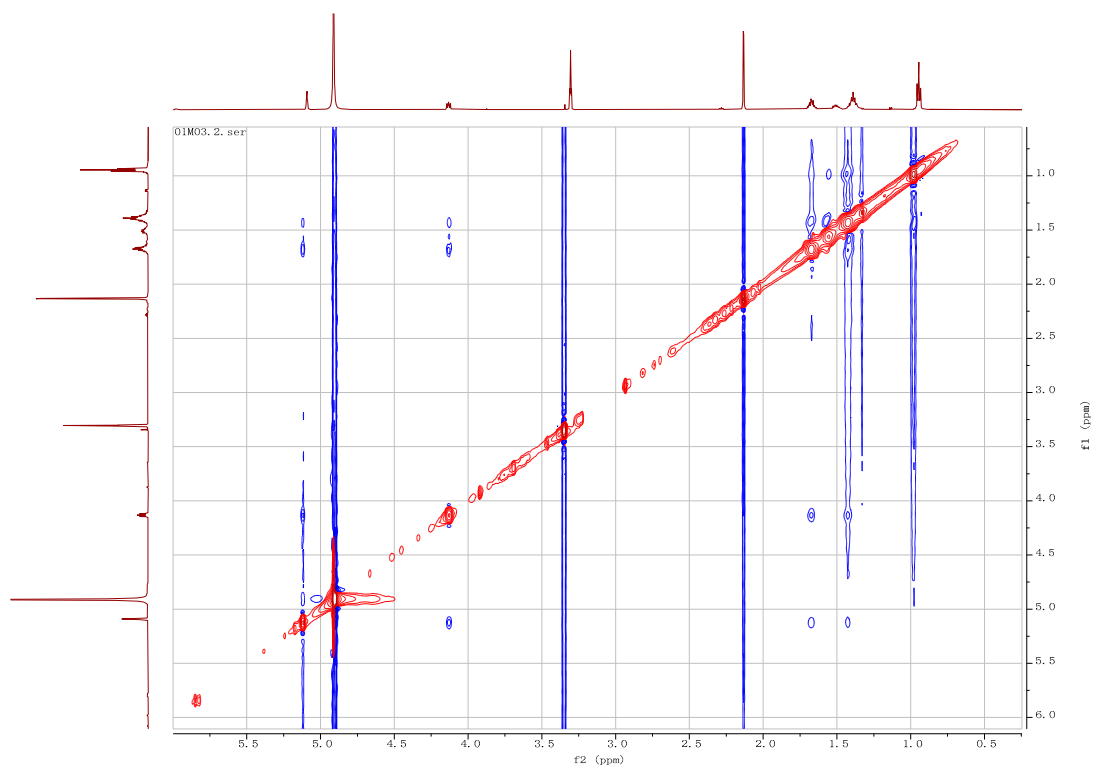


Figure S8. NOESY spectrum of **1**

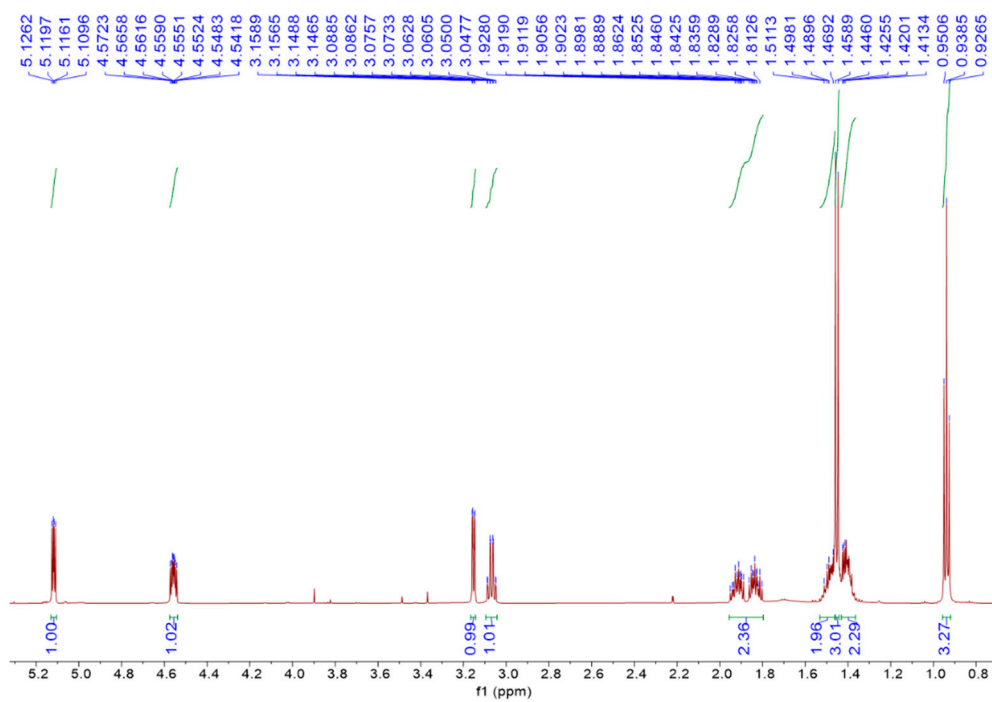


Figure S9. ¹H NMR spectrum (600 MHz, CDCl₃) of **2**

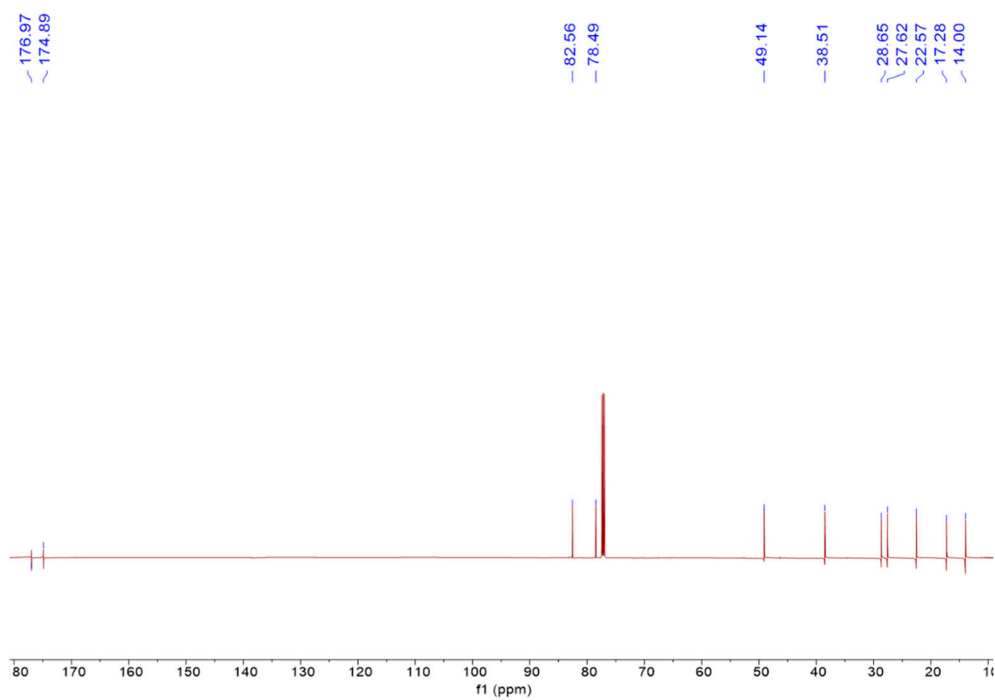


Figure S10. ¹³C NMR spectrum (150 MHz, CDCl₃) of **2**

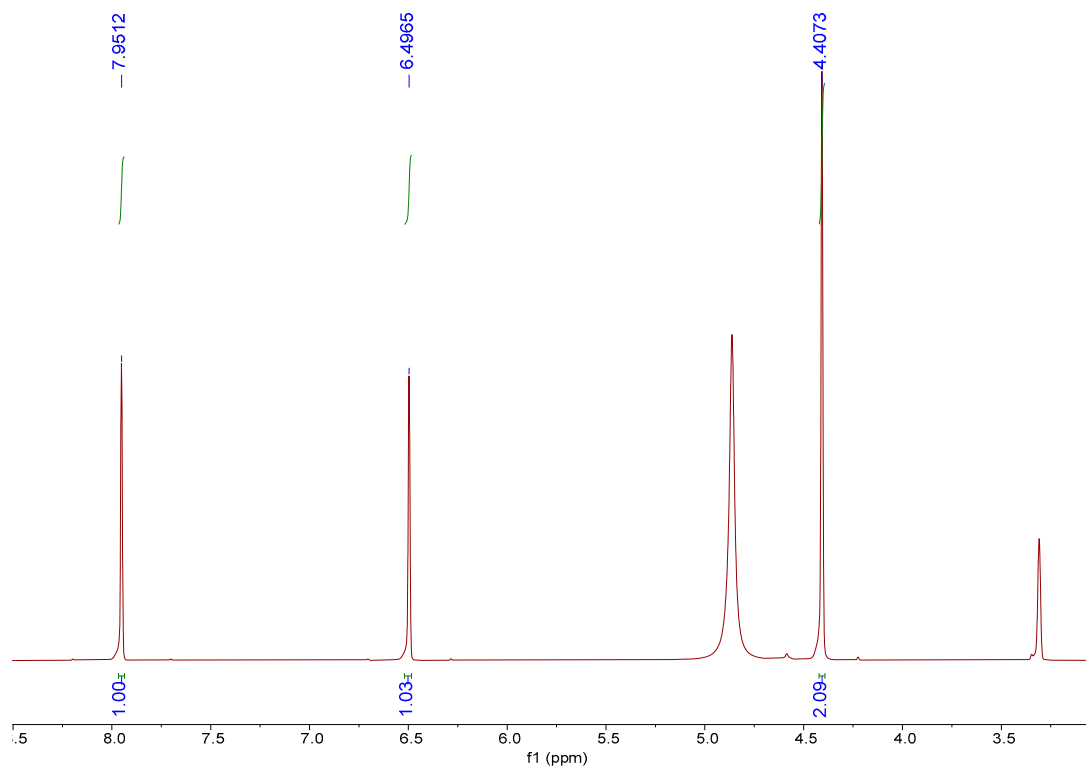


Figure S11. ¹H NMR spectrum (400 MHz, CD₃OD) of **3**

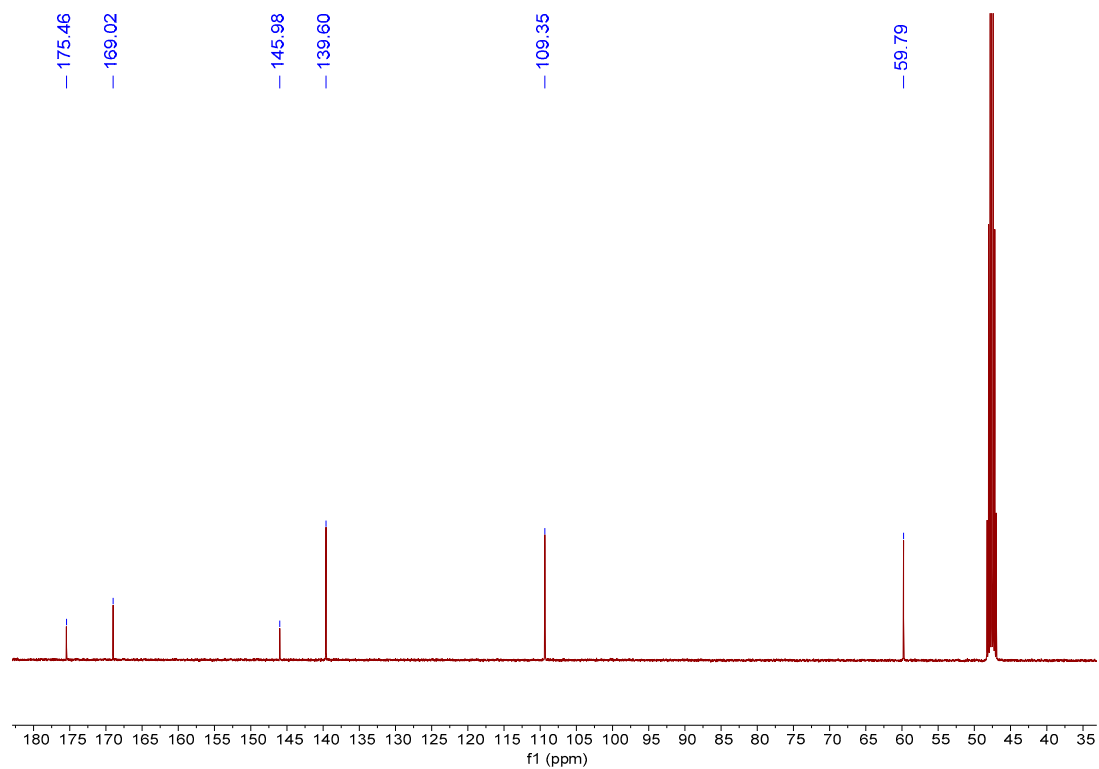


Figure S12. ¹³C NMR spectrum (100 MHz, CD₃OD) of **3**

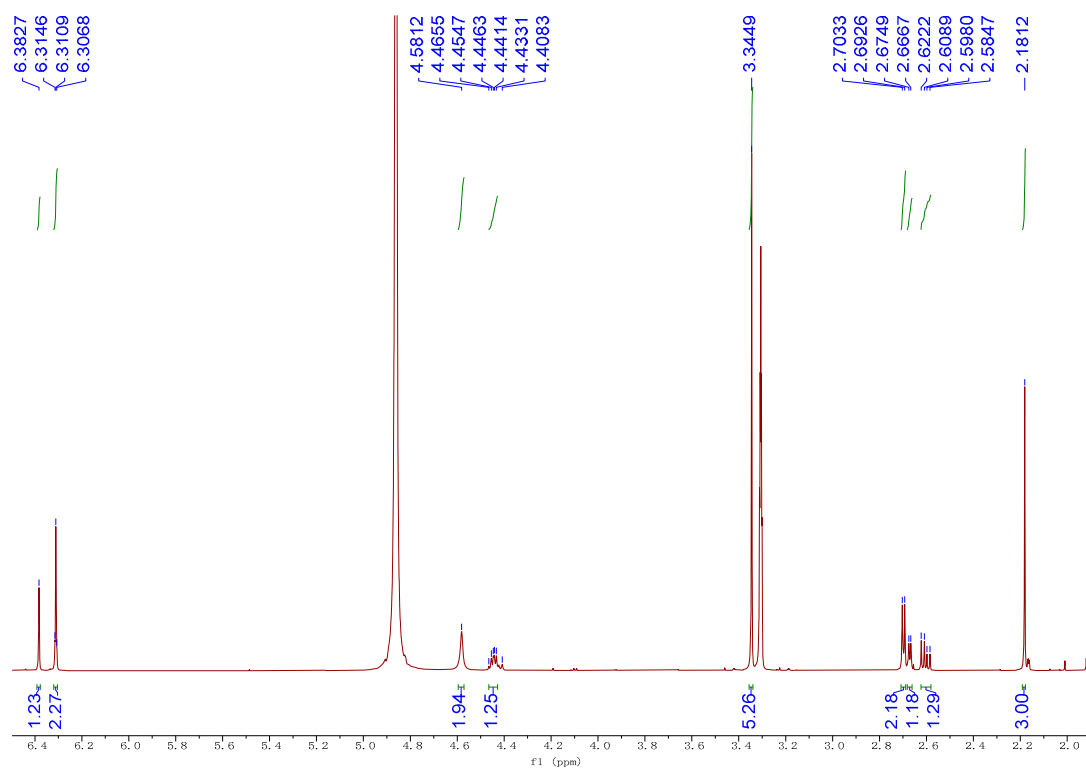


Figure S13. ¹H NMR spectrum (600 MHz, CD₃OD) of 4

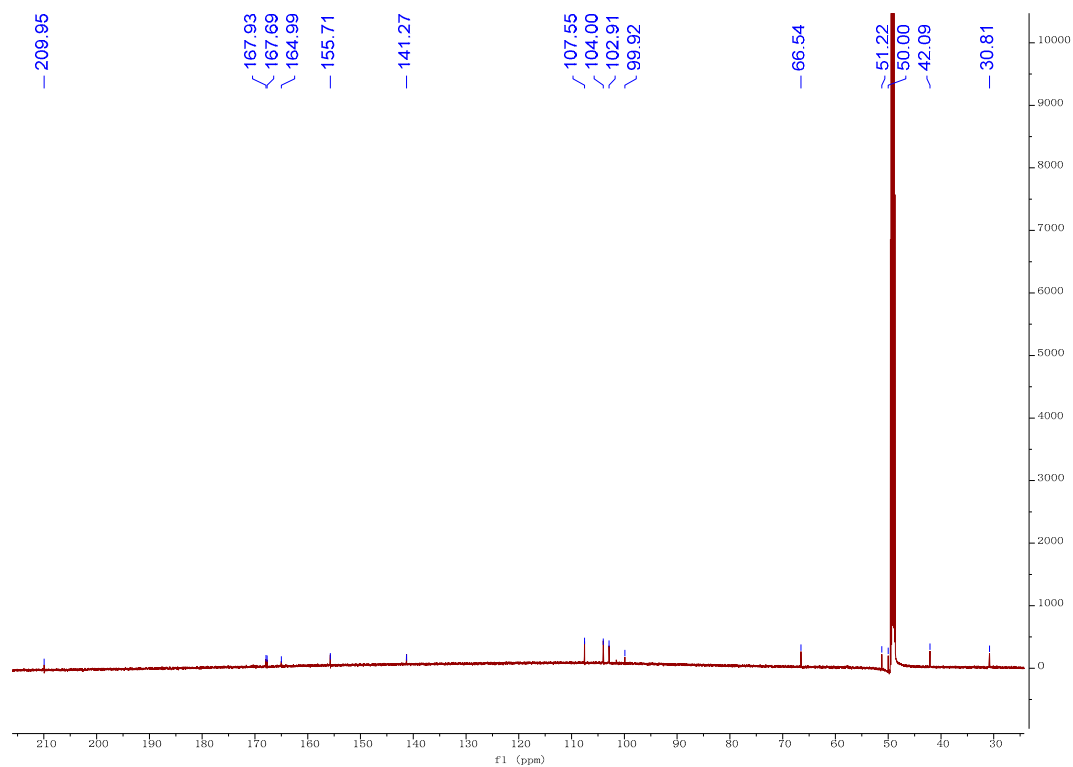


Figure S14. ¹³C NMR spectrum (150 MHz, CD₃OD) of 4

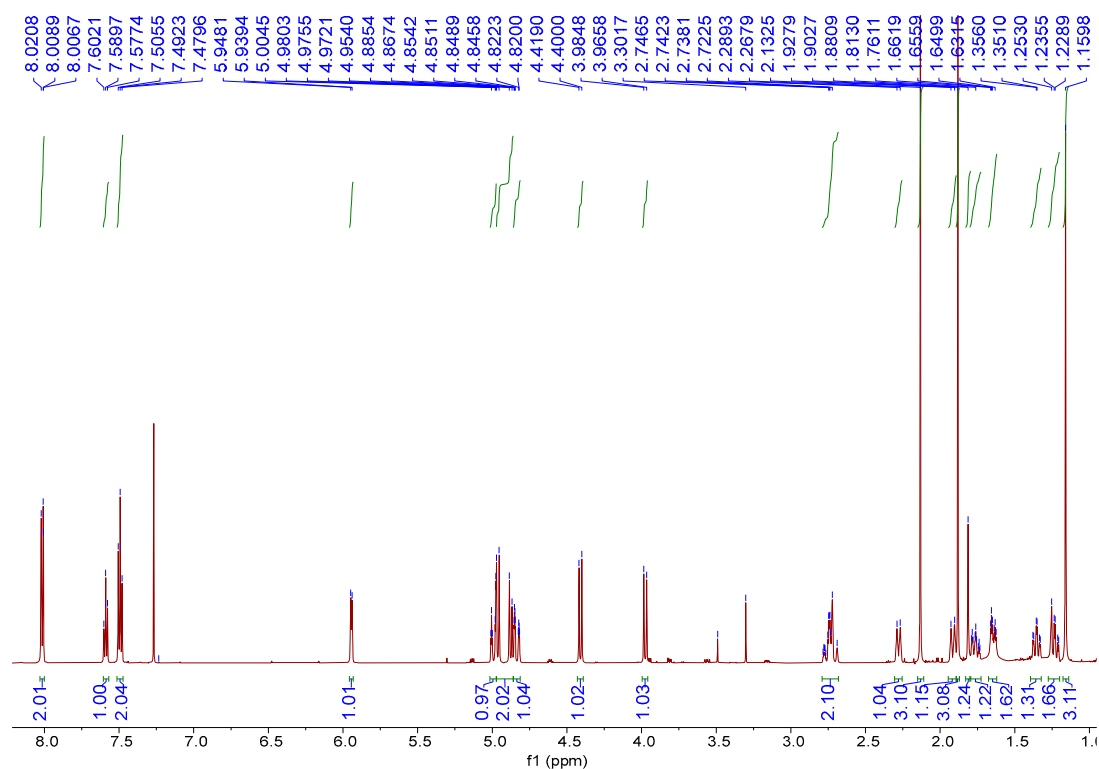


Figure S15. ¹H NMR spectrum (600 MHz, CDCl₃) of 5

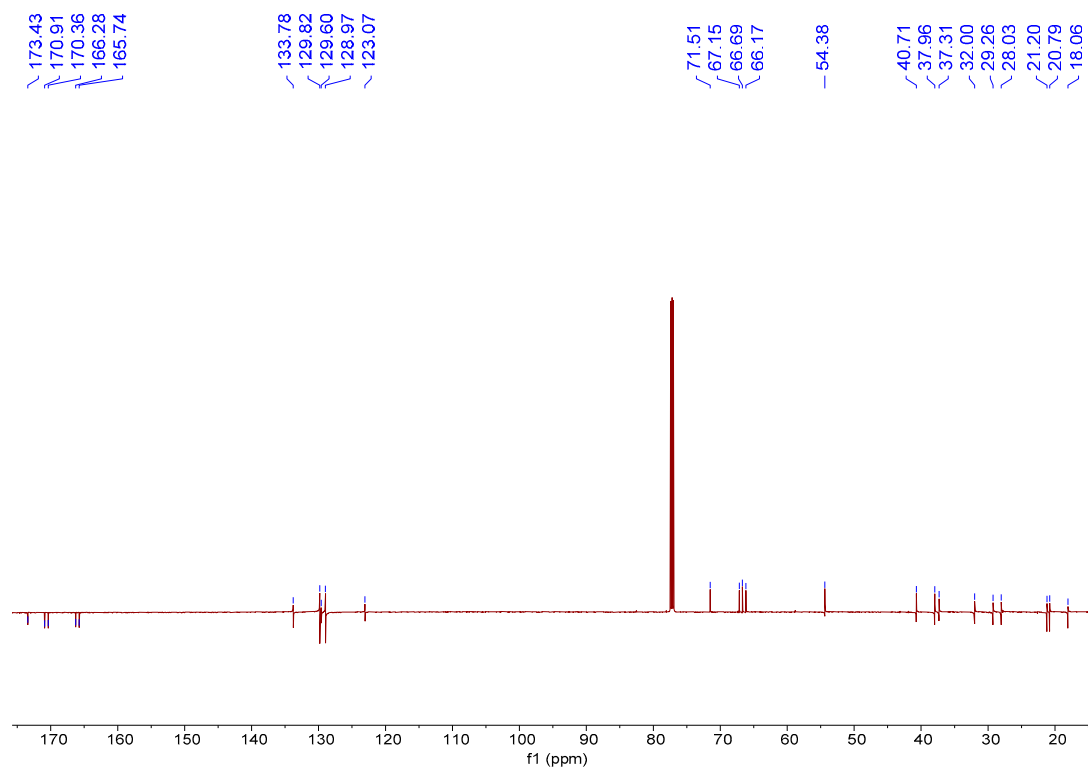


Figure S16. ¹³C NMR spectrum (150 MHz, CDCl₃) of 5

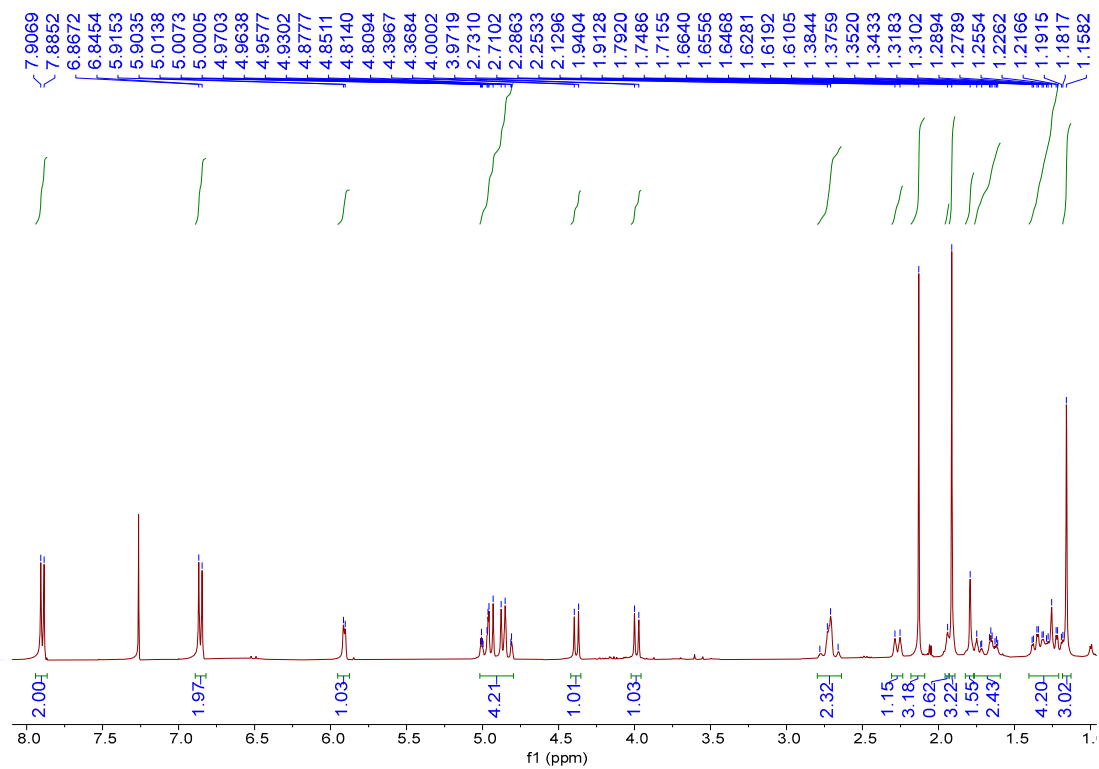


Figure S17. ¹H NMR spectrum (400 MHz, CDCl₃) of 6

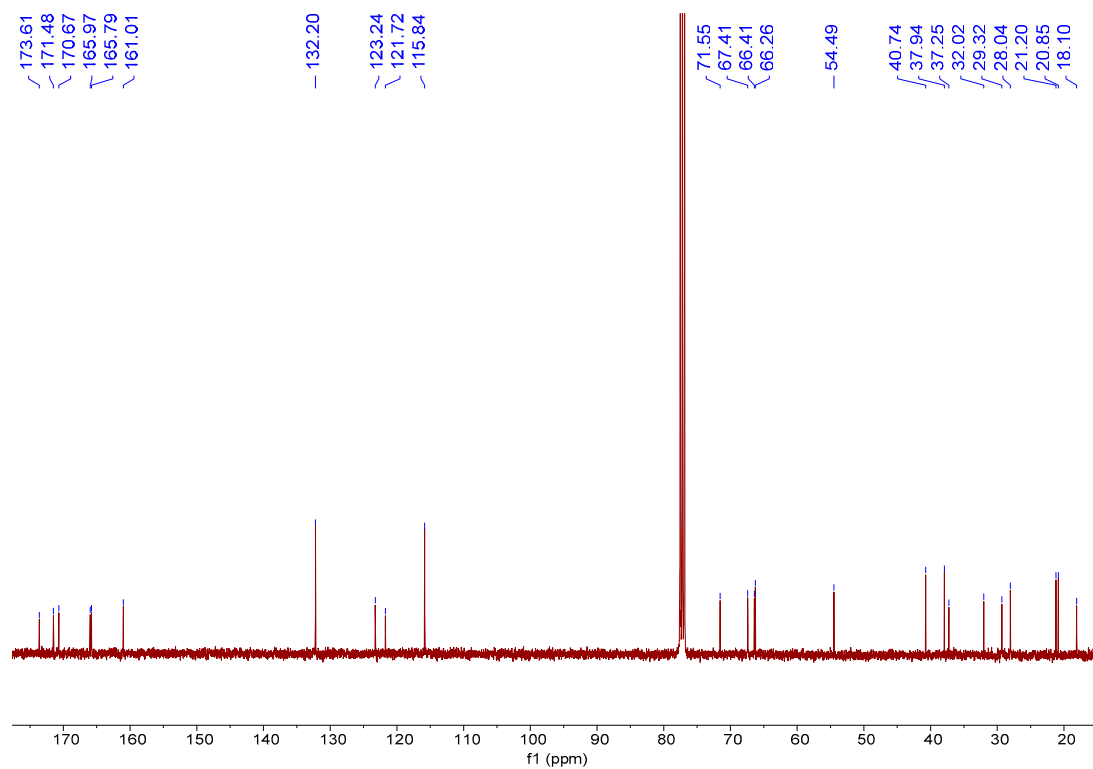


Figure S18. ¹³C NMR spectrum (100 MHz, CDCl₃) of 6

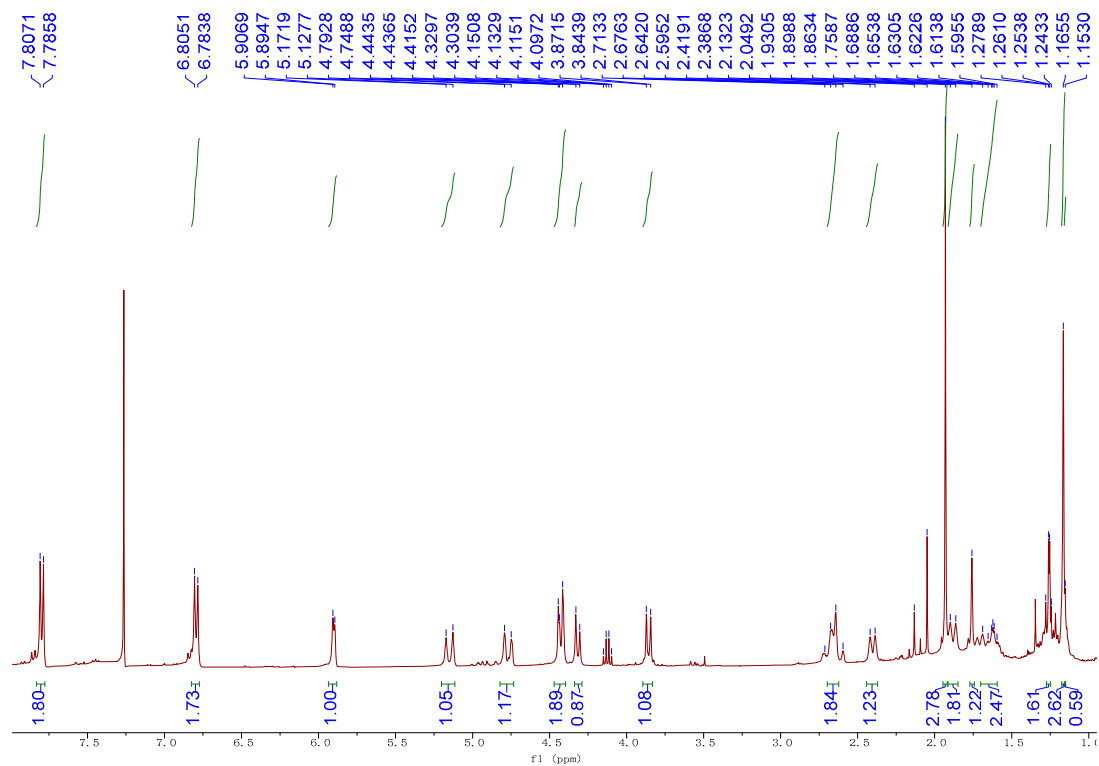


Figure S19. ¹H NMR spectrum (400 MHz, CDCl₃) of **7**

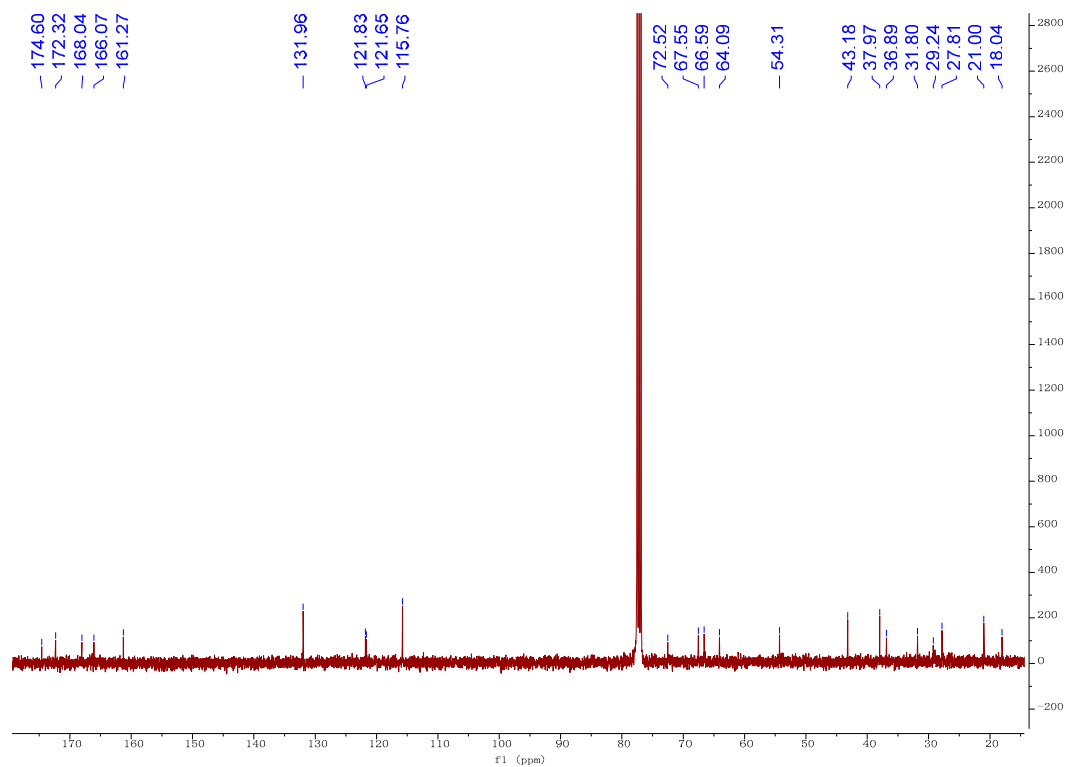


Figure S20. ¹³C NMR spectrum (100 MHz, CDCl₃) of **7**

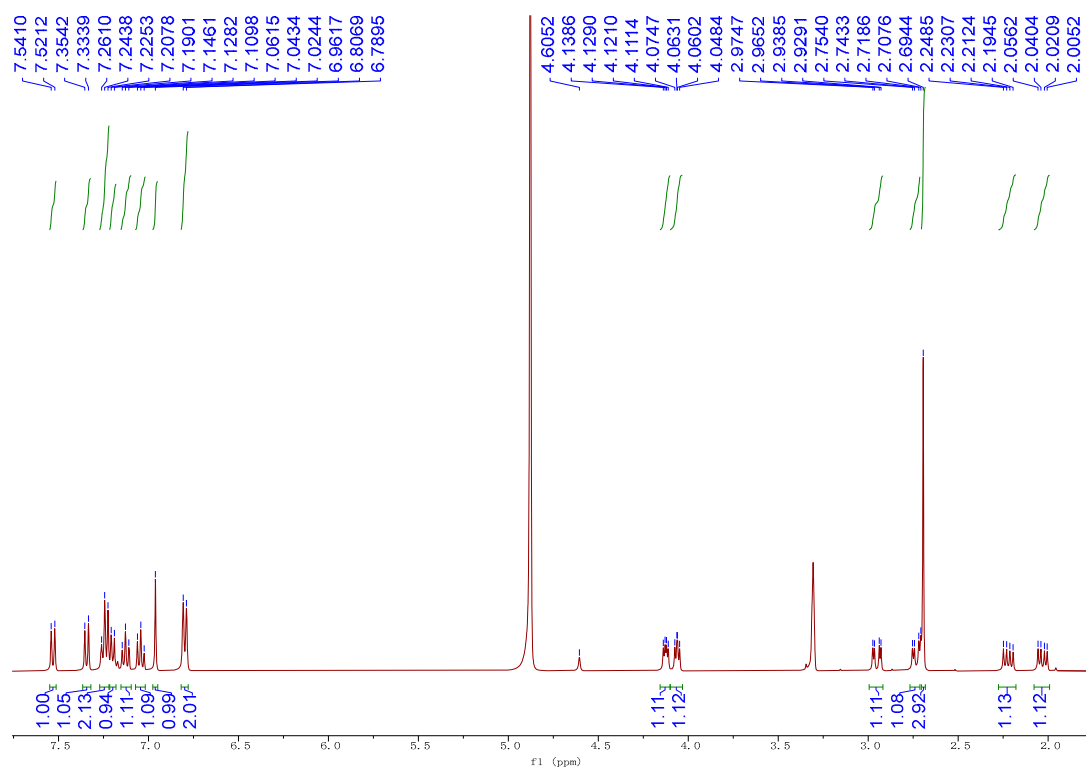


Figure S21. ¹H NMR spectrum (400 MHz, CD₃OD) of **8**

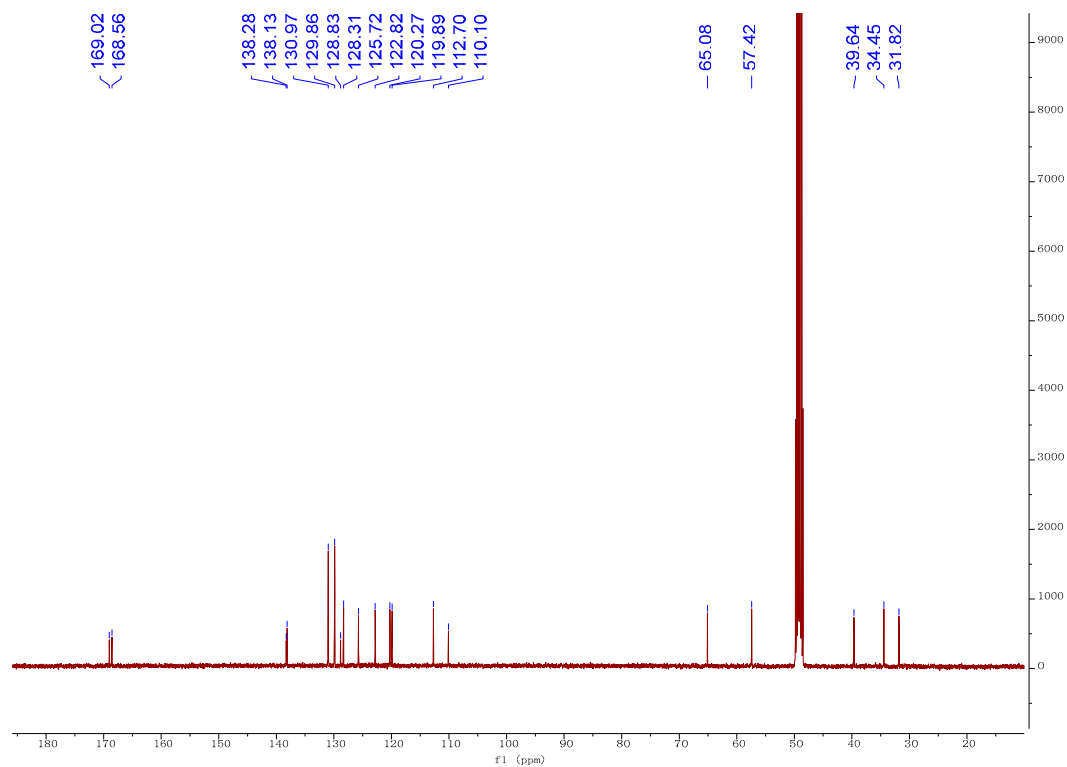


Figure S22. ¹³C NMR spectrum (100 MHz, CD₃OD) of **8**

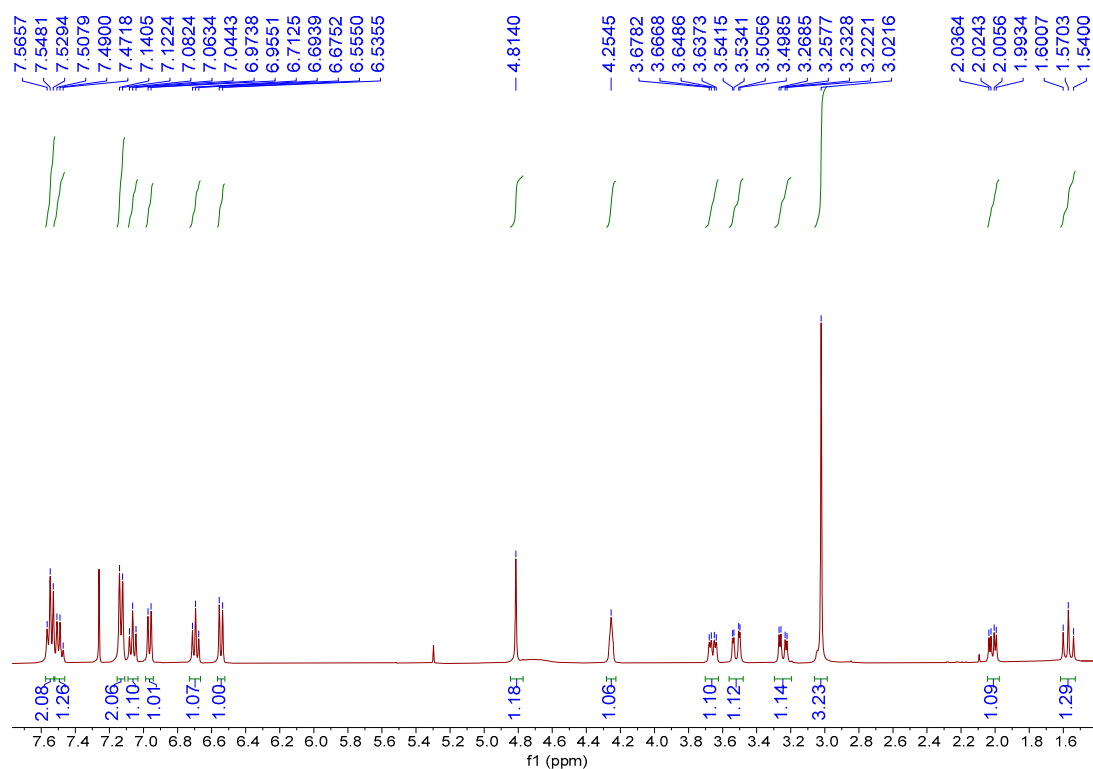


Figure S23. ¹H NMR spectrum (400 MHz, CDCl₃) of **9**

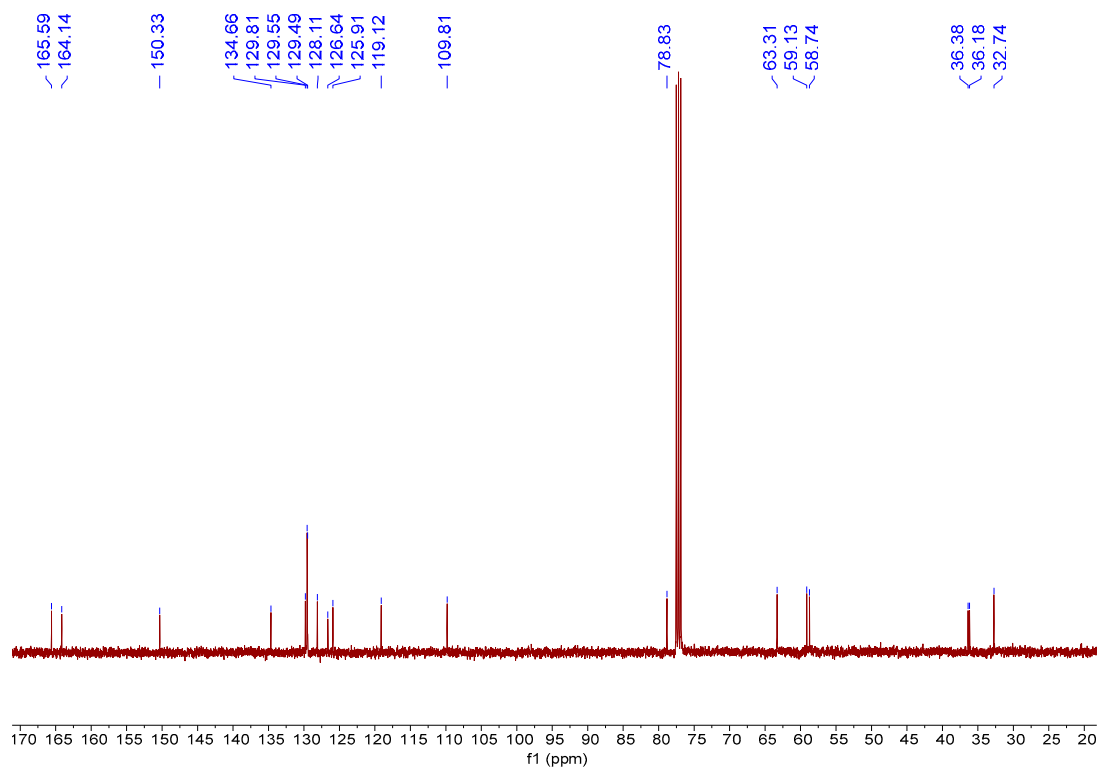


Figure S24. ¹³C NMR spectrum (100 MHz, CDCl₃) of **9**

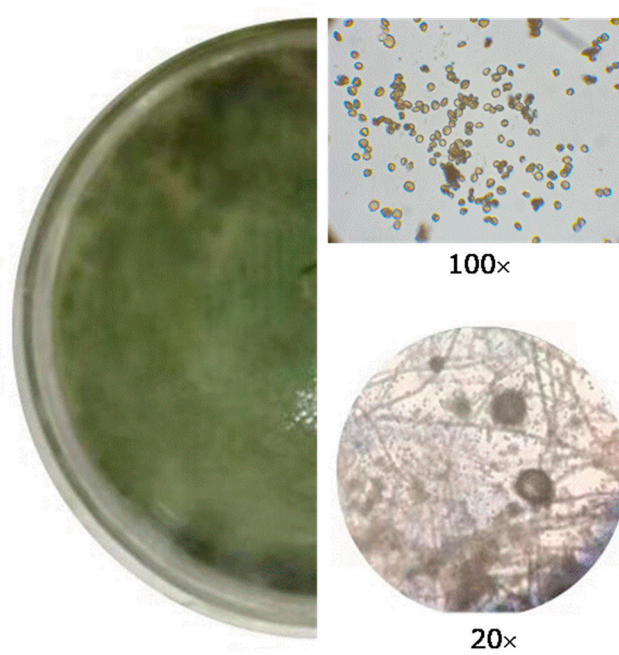


Figure S25. The colony and microscopic morphology of strain MJ01