

Supplementary Materials: Austalides S-U, New Meroterpenoids from the Sponge-Derived Fungus *Aspergillus aureolatus* HDN14-107

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HRESIMS, 1D and 2D NMR data of **1** in CDCl₃ (Figures S1–S9);

HRESIMS, 1D and 2D NMR data of **2** in CDCl₃ (Figures S10–S17);

HRESIMS, 1D and 2D NMR data of **3** in CD₃CN (Figures S17–S25);

HPLC analysis of the EtOAc extract of *Aspergillus aureolatus* HDN14-107 (Figure S26);

Computational data (Figures S27).

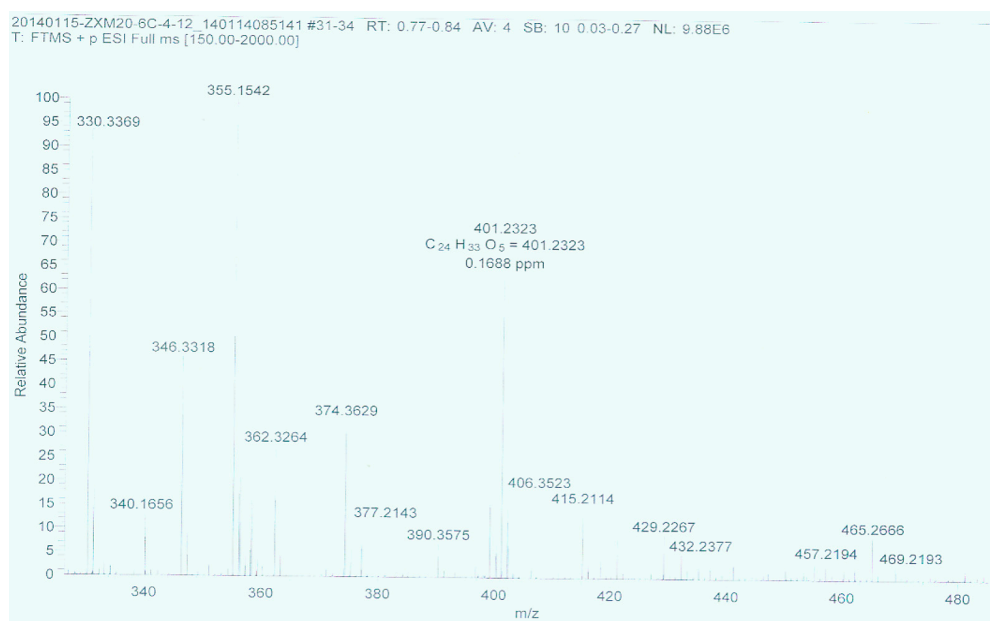


Figure S1. HR-ESI-MS of **1**.

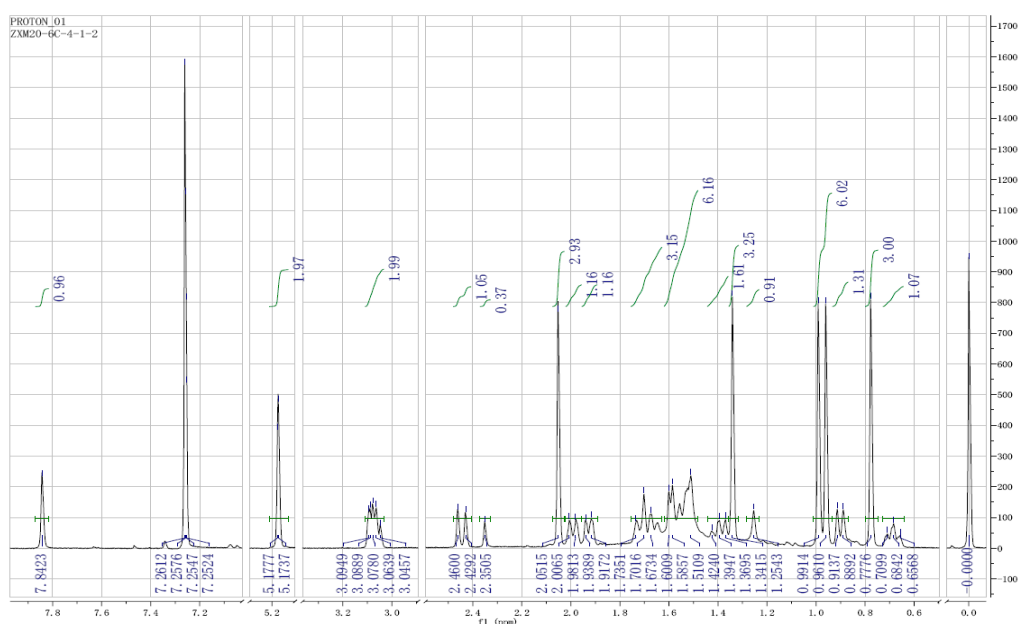


Figure S2. ¹H NMR (500 MHz) spectrum of **1** in CDCl₃.

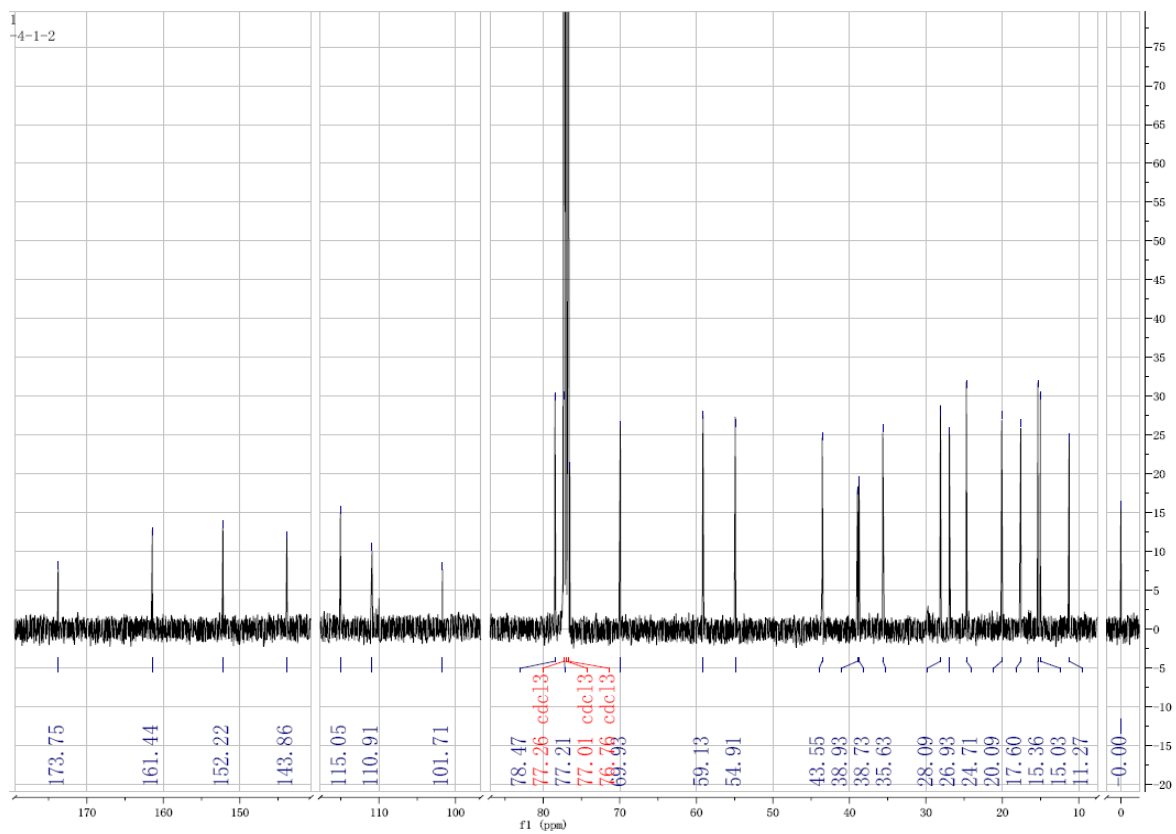


Figure S3. ^{13}C NMR spectrum of **1** in CDCl_3 .

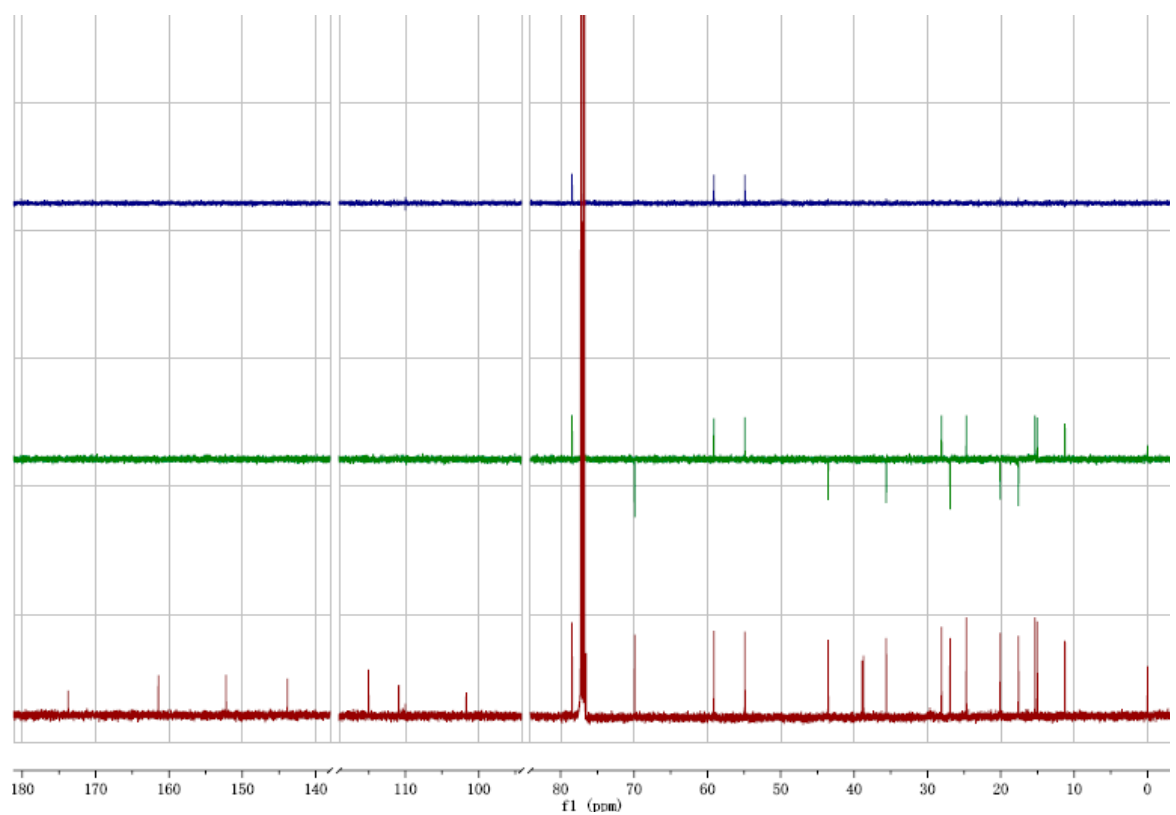


Figure S4. DEPT spectrum of **1** in CDCl_3 .

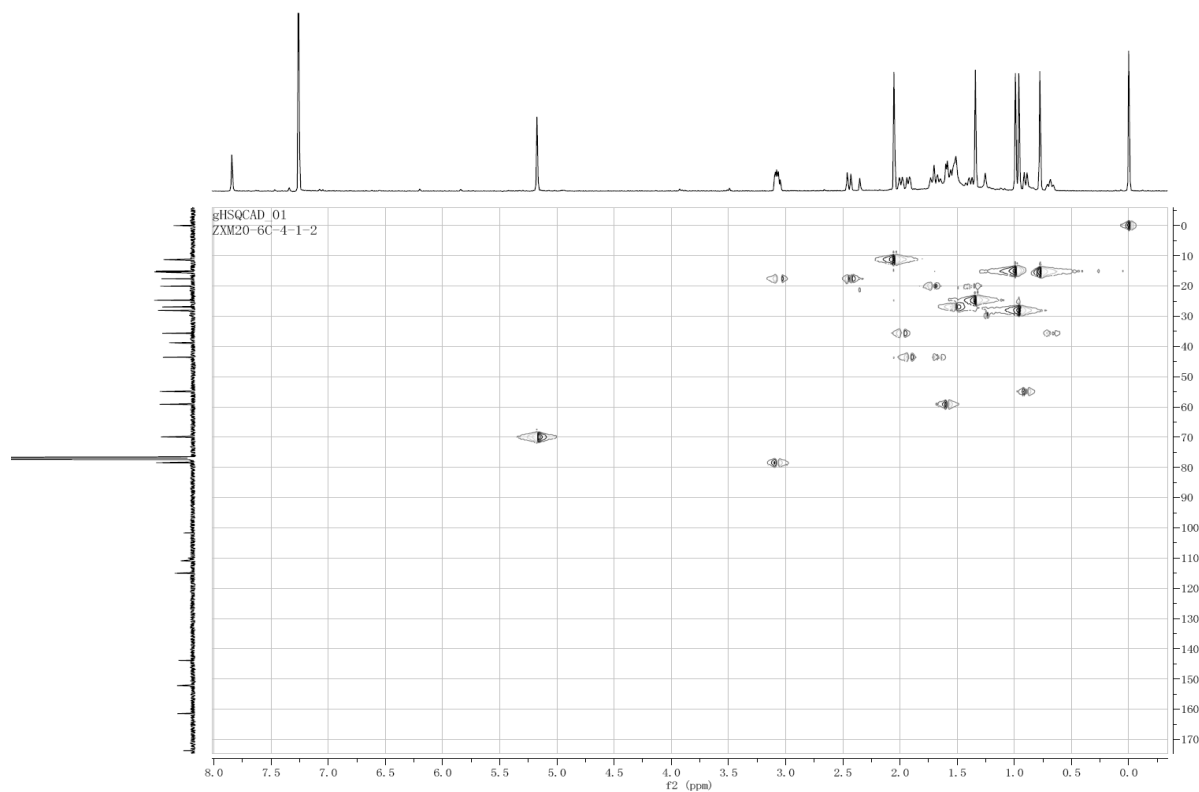


Figure S5. HMQC spectrum of 1 in CDCl₃.

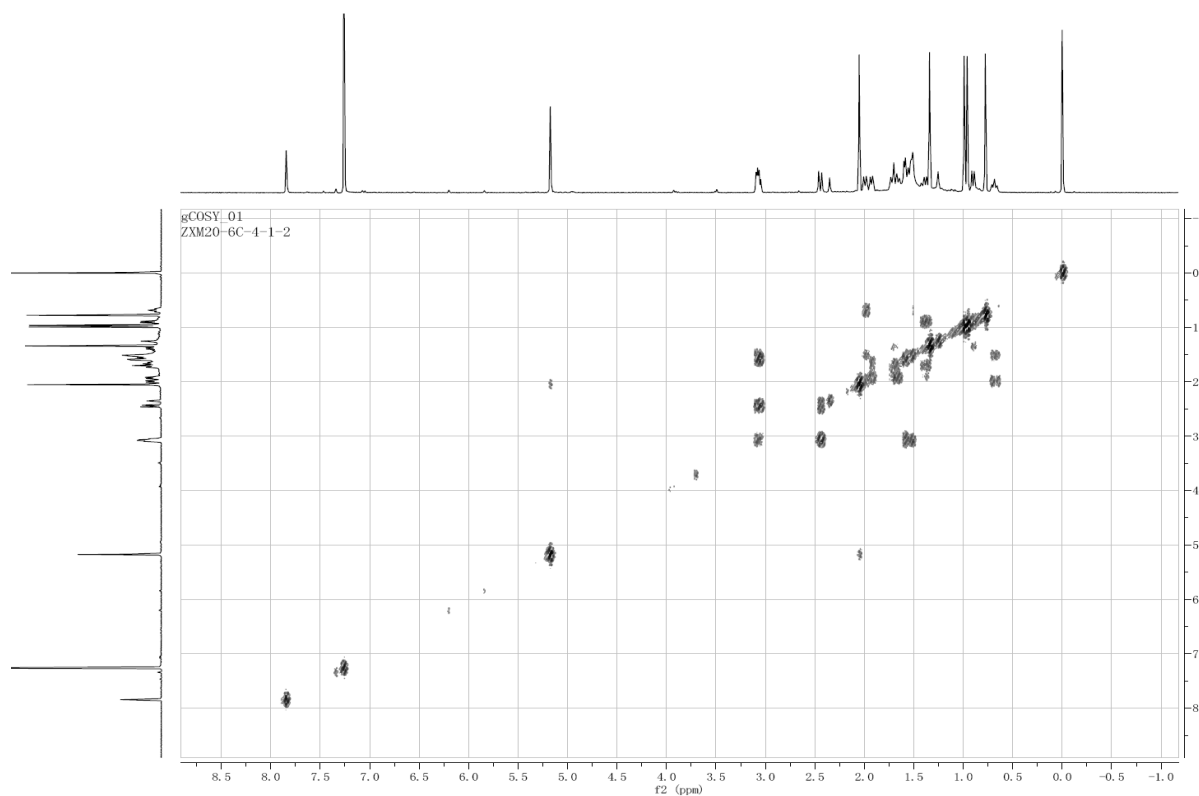


Figure S6. COSY spectrum of 1 in CDCl₃.

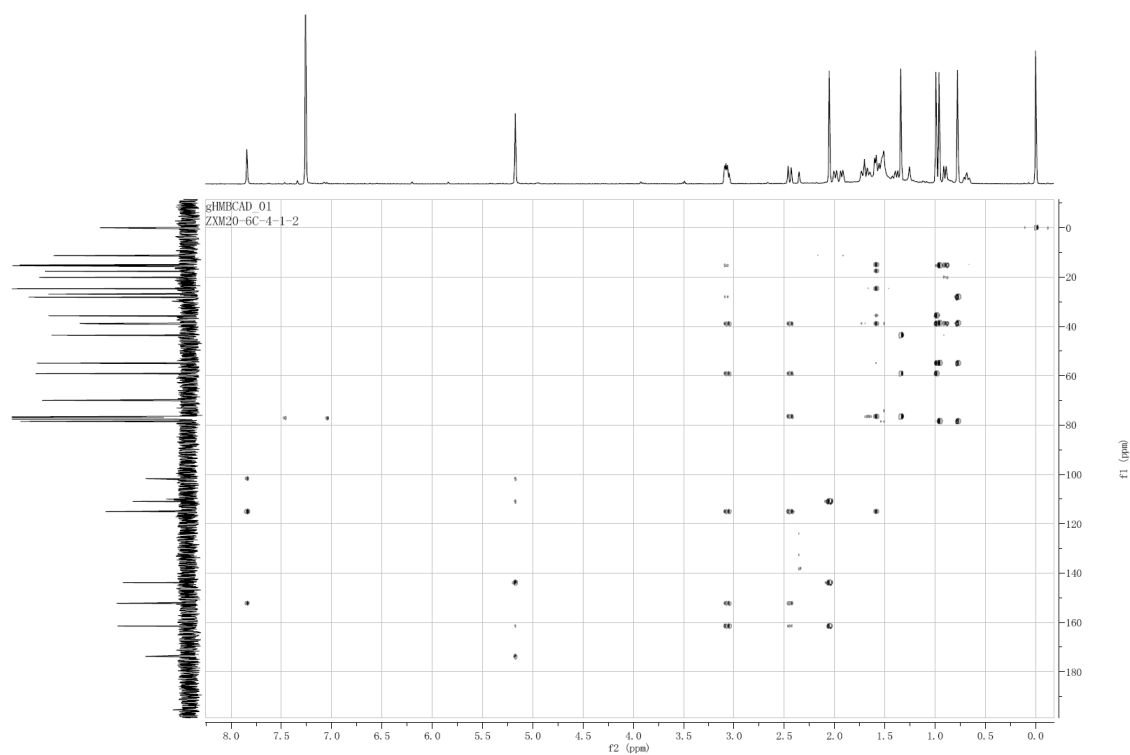


Figure S7. HMBC spectrum of **1** in CDCl₃.

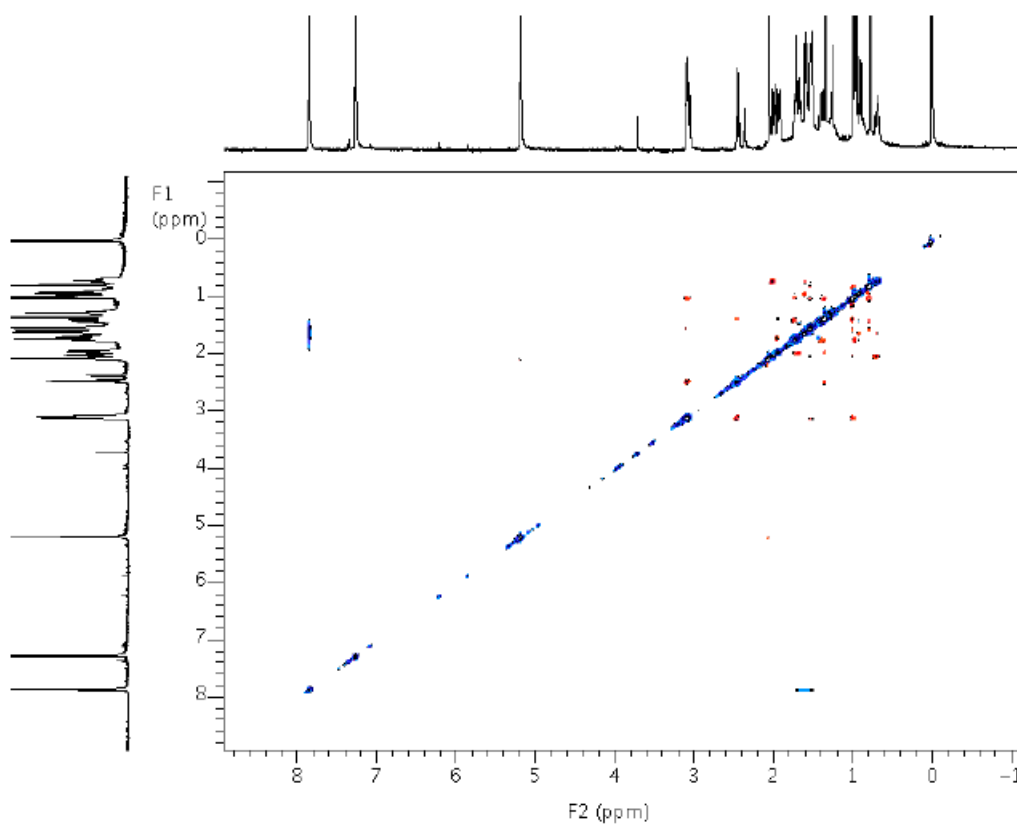


Figure S8. NOESY spectrum of **1** in CDCl₃.

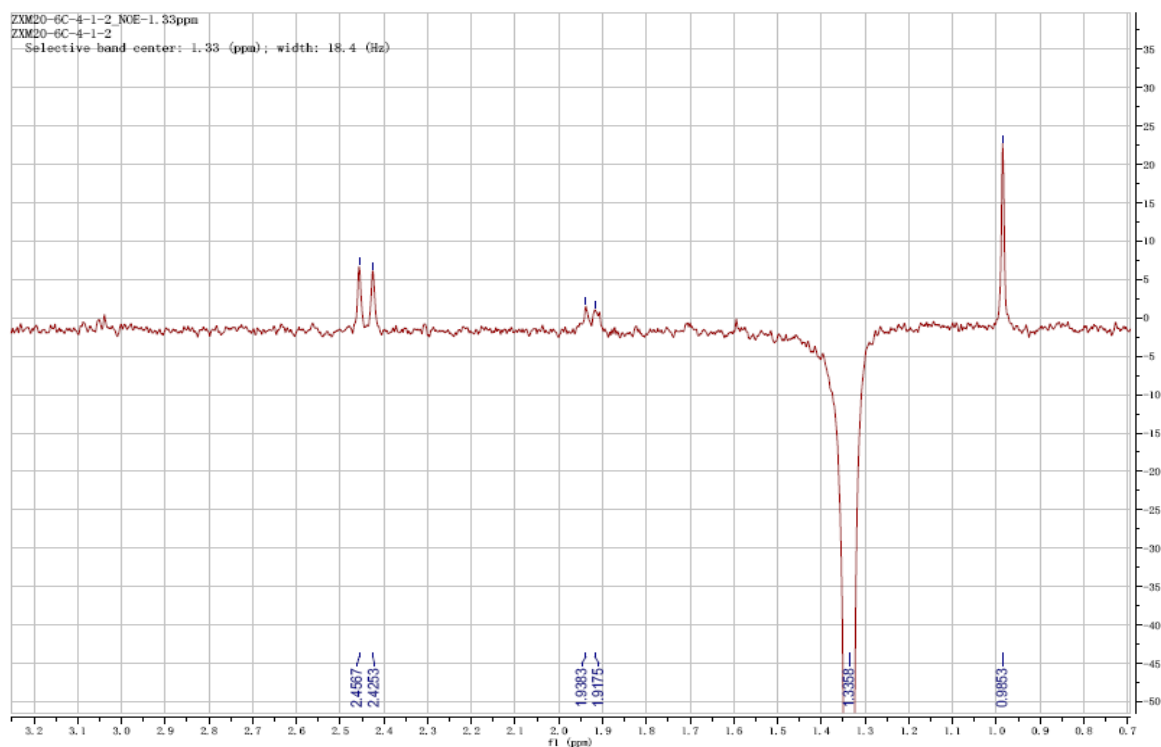
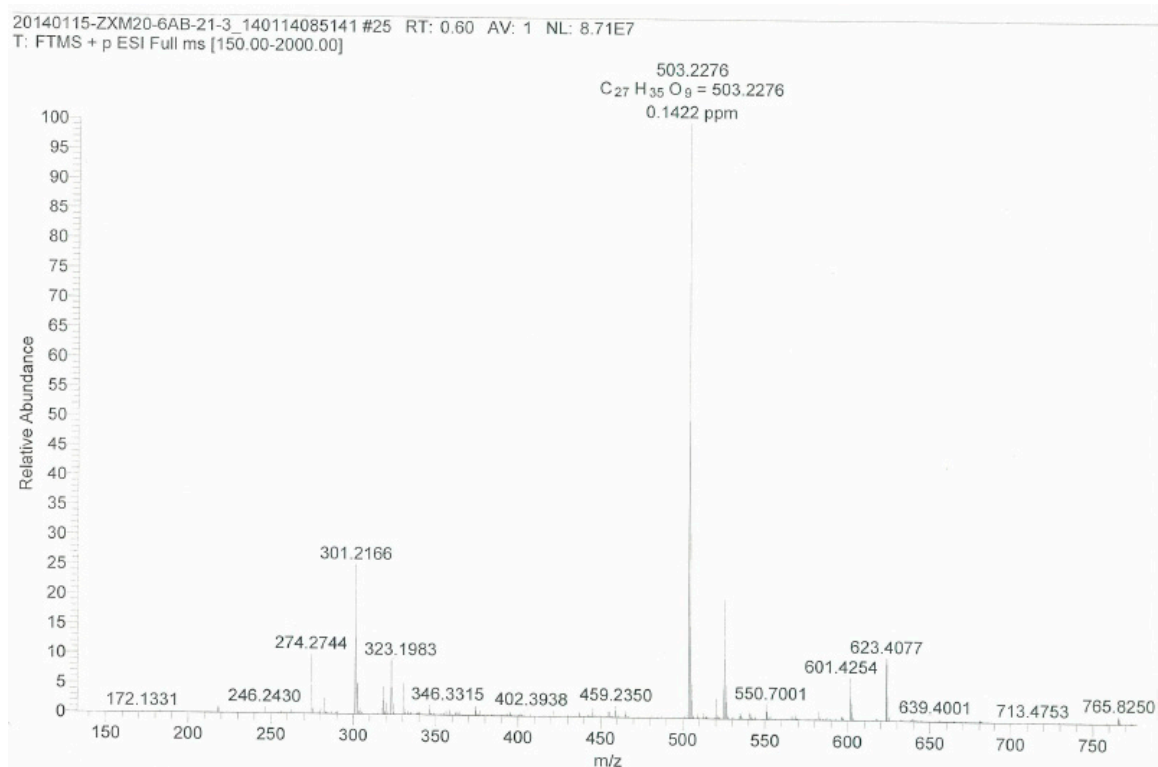
Figure S9. NOE spectrum of 1 in CDCl₃.

Figure S10. HR-ESI-MS of 2.

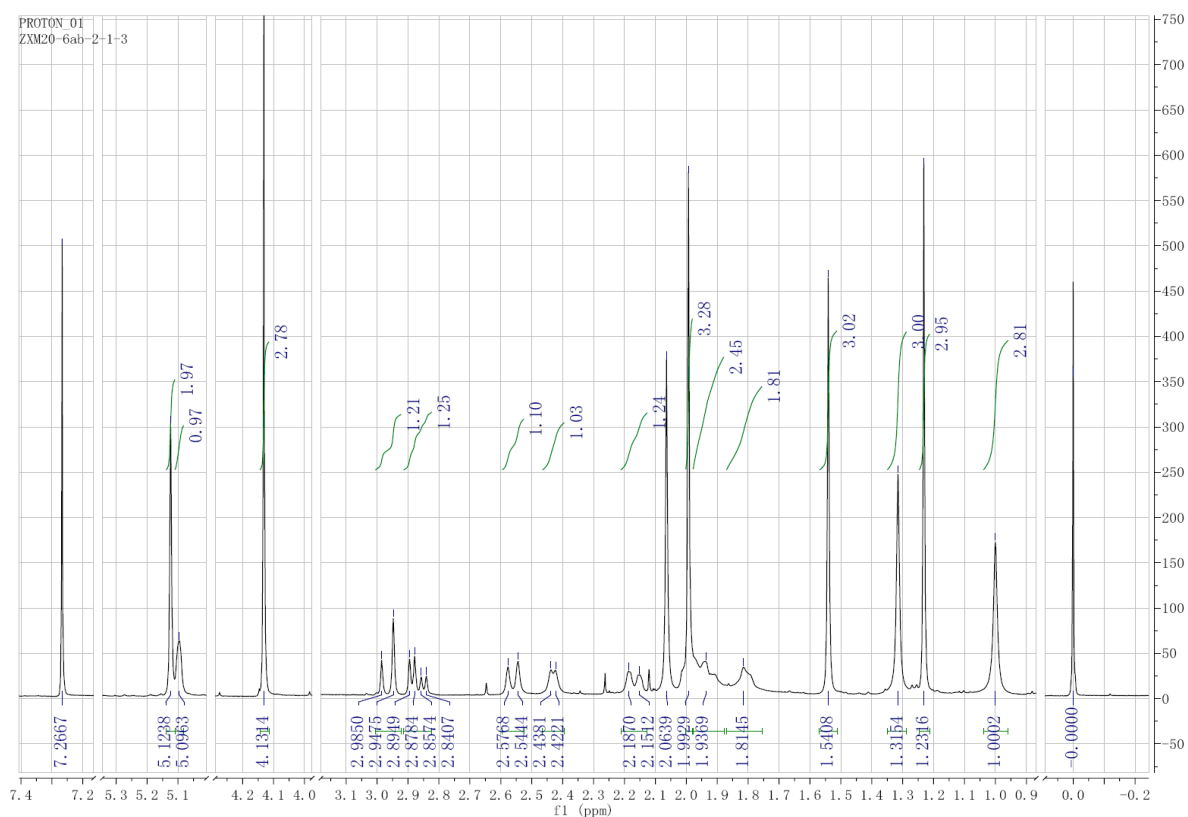


Figure S11. ^1H NMR (500 MHz) spectrum of **2** in CDCl_3 .

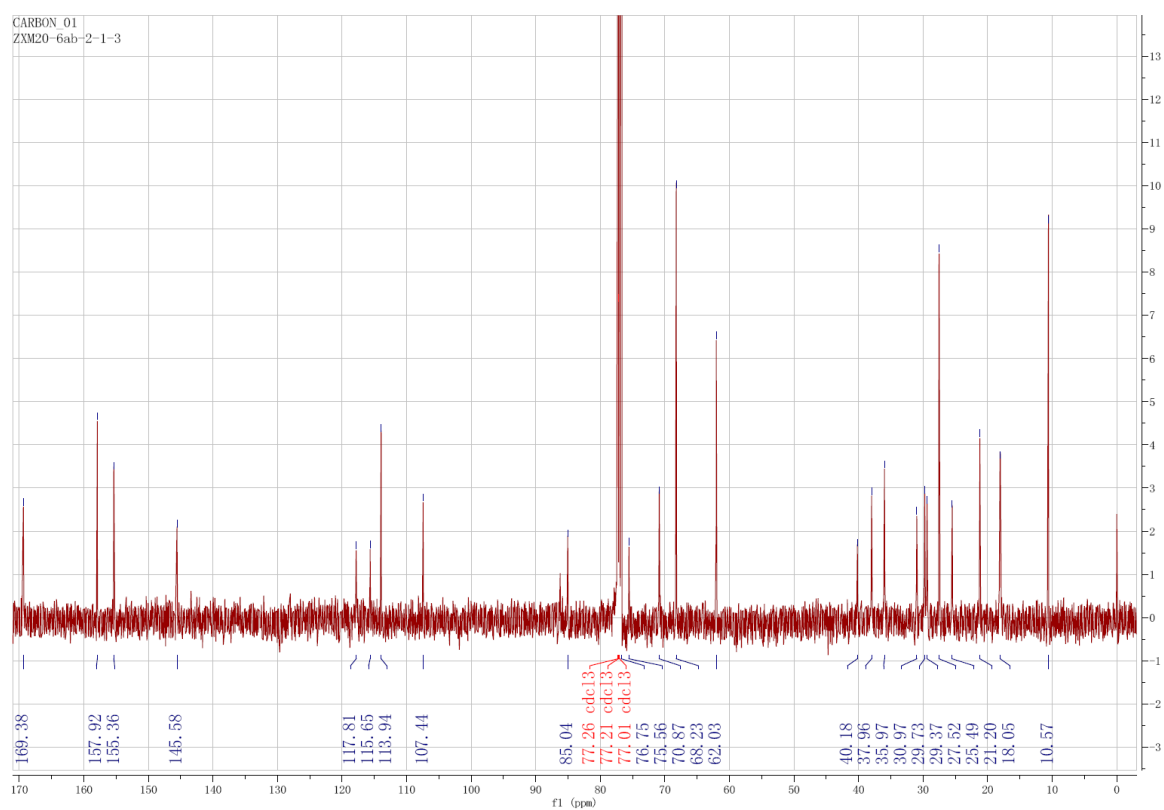


Figure S12. ^{13}C NMR spectrum of **2** in CDCl_3 .

CARBON_01
ZXM20-6ab-2-1-3

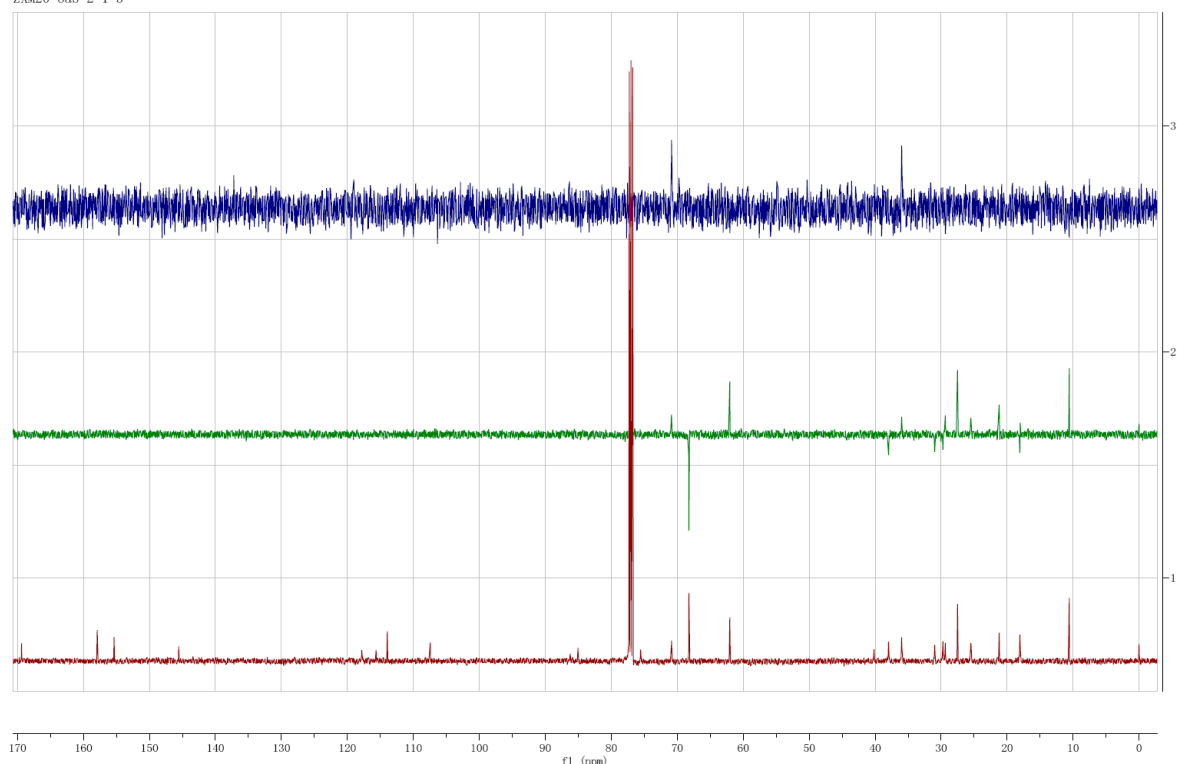


Figure S13. DEPT spectrum of 2 in CDCl₃.

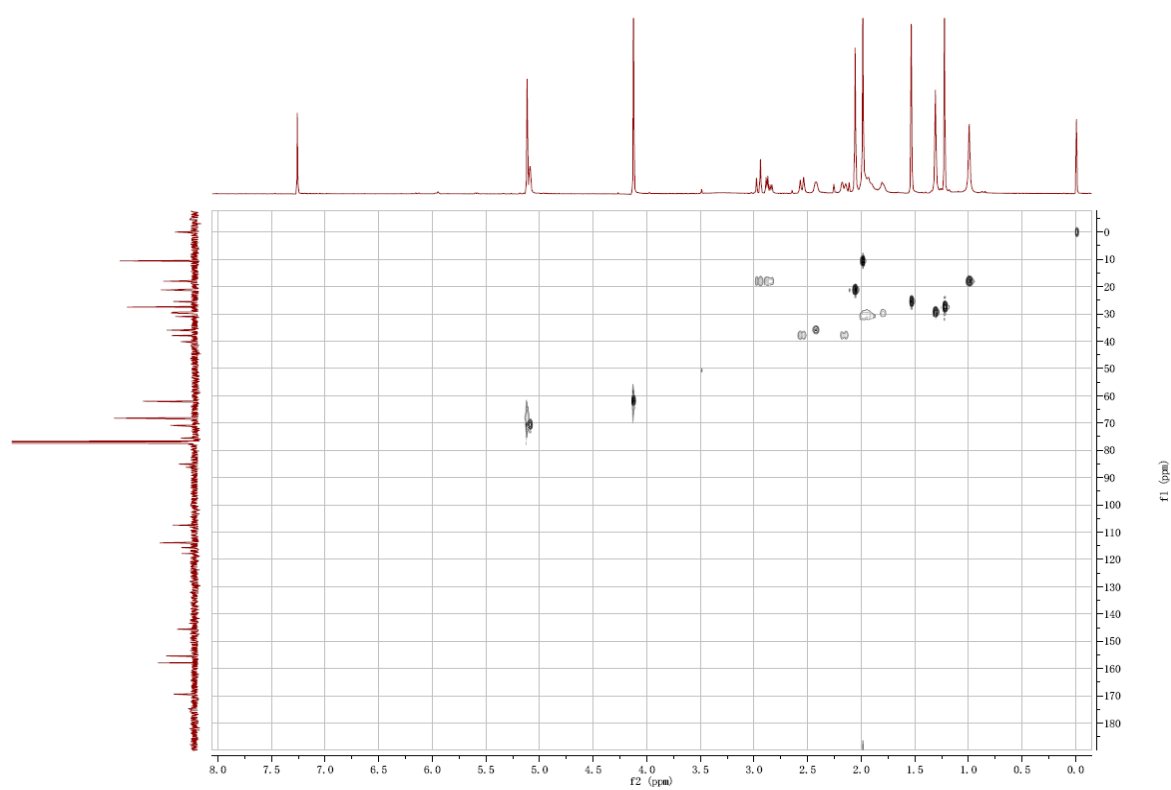


Figure S14. HMQC spectrum of 2 in CDCl₃.

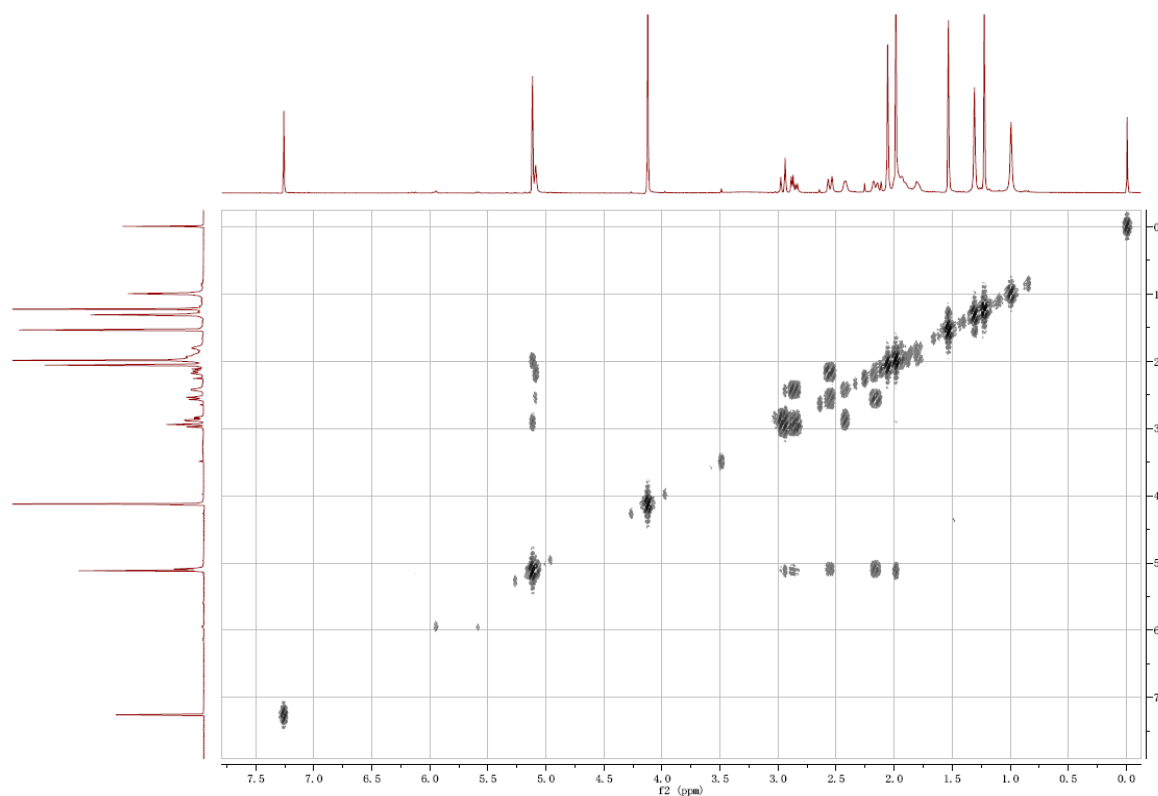


Figure S15. COSY spectrum of 2 in CDCl₃.

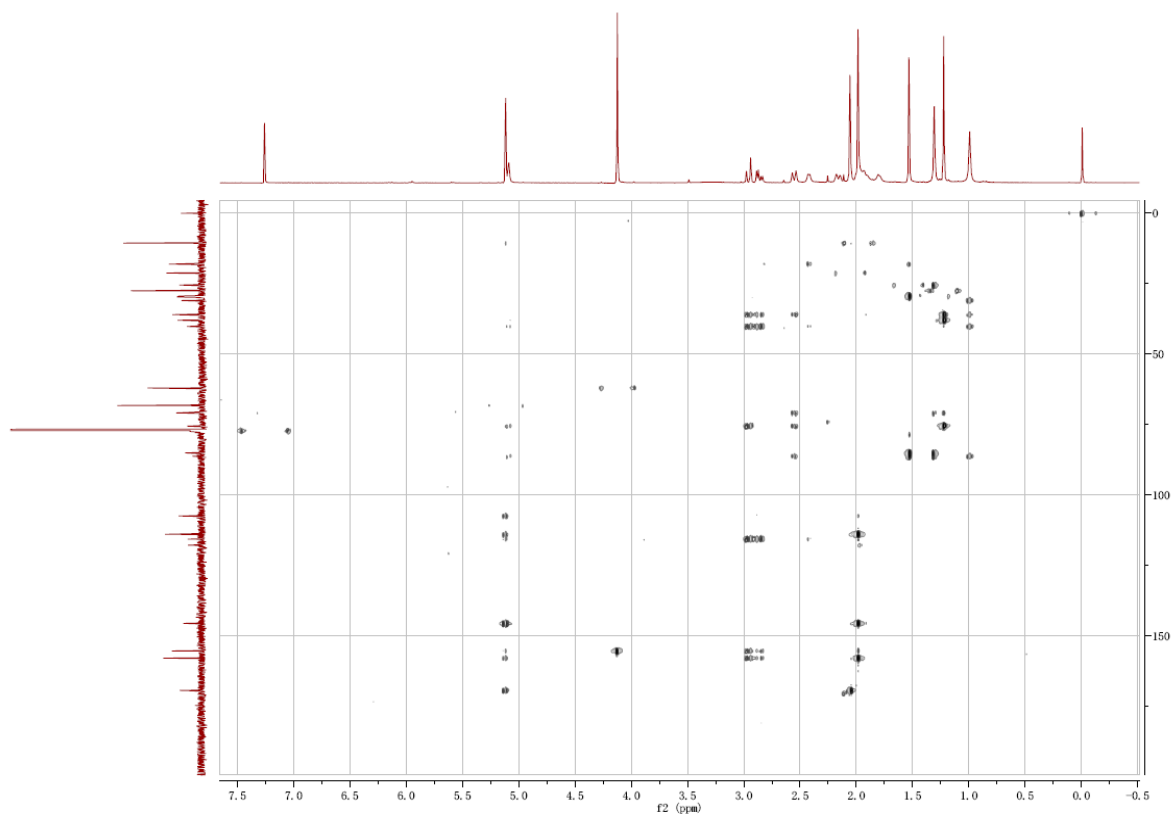
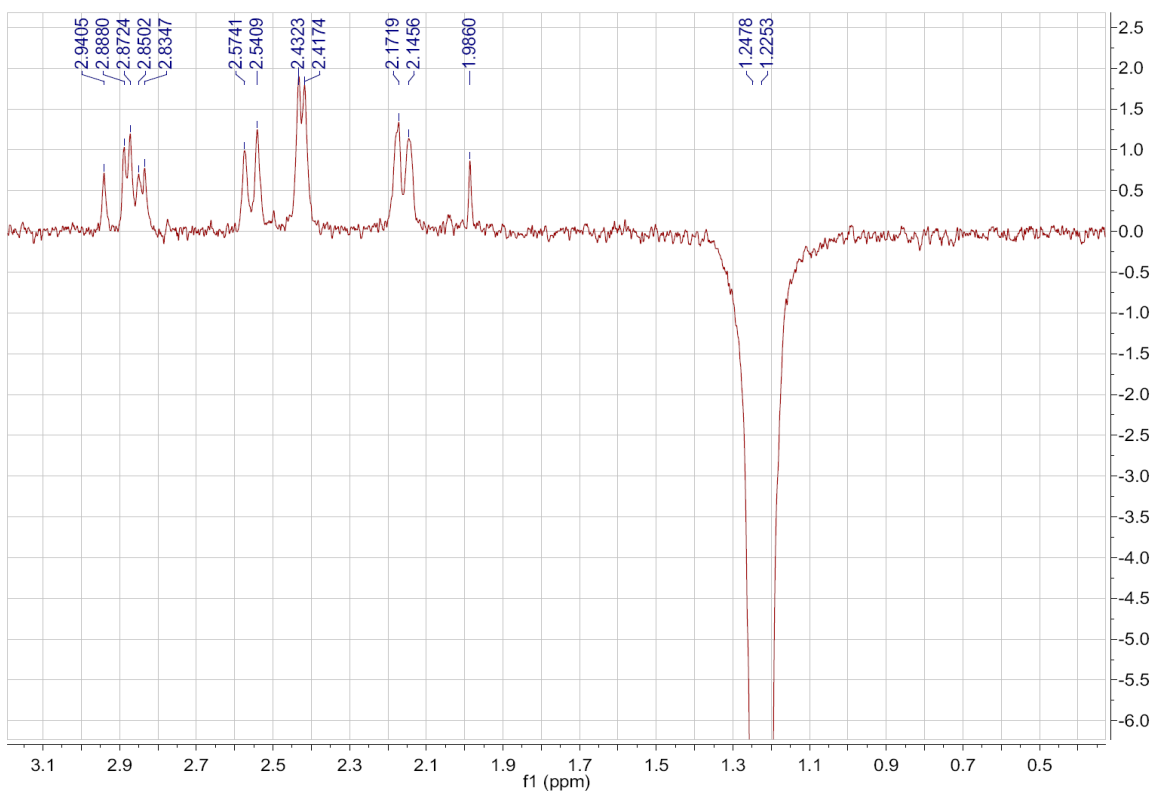
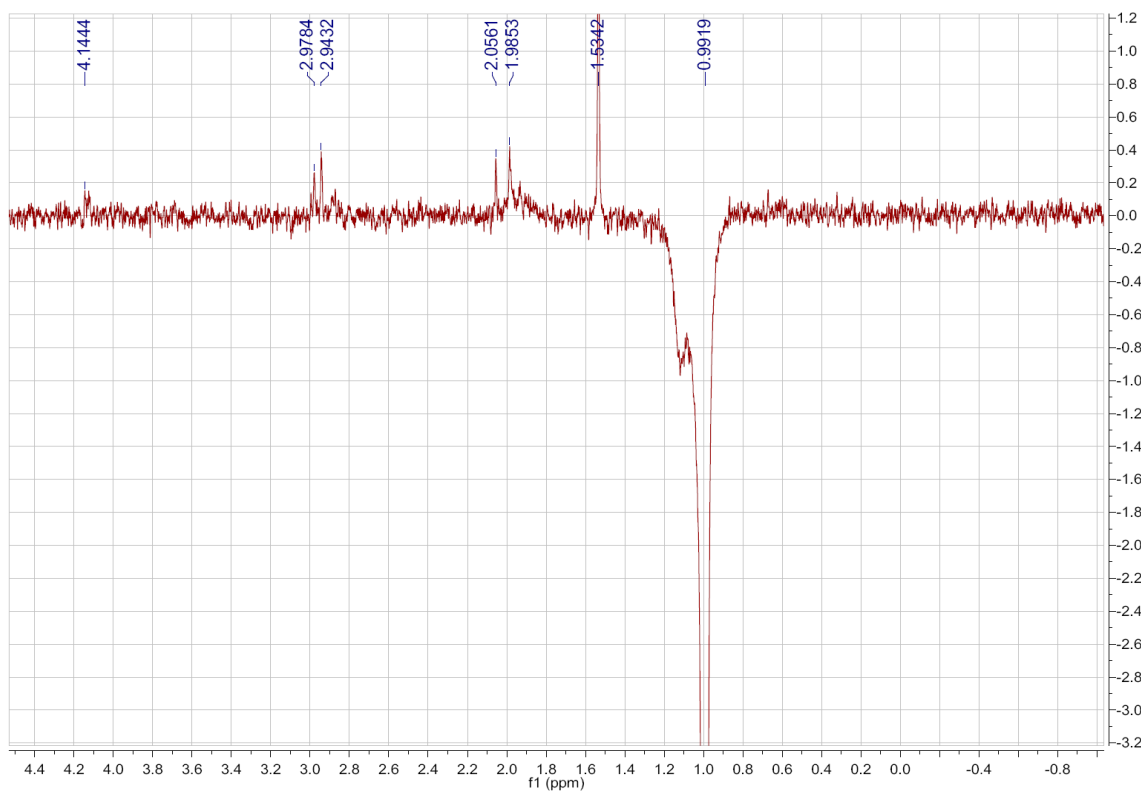


Figure S16. HMBC spectrum of 2 in CDCl₃.



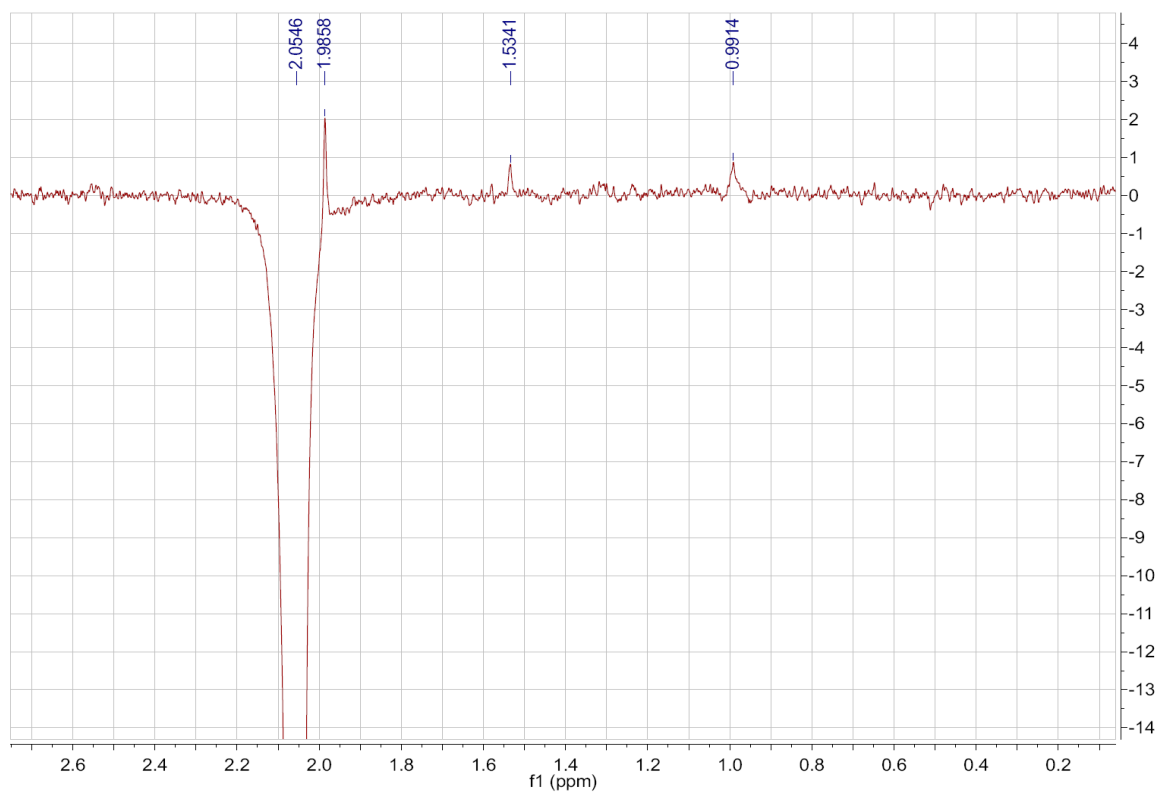


Figure S17. NOE spectra of 2 in CDCl₃.

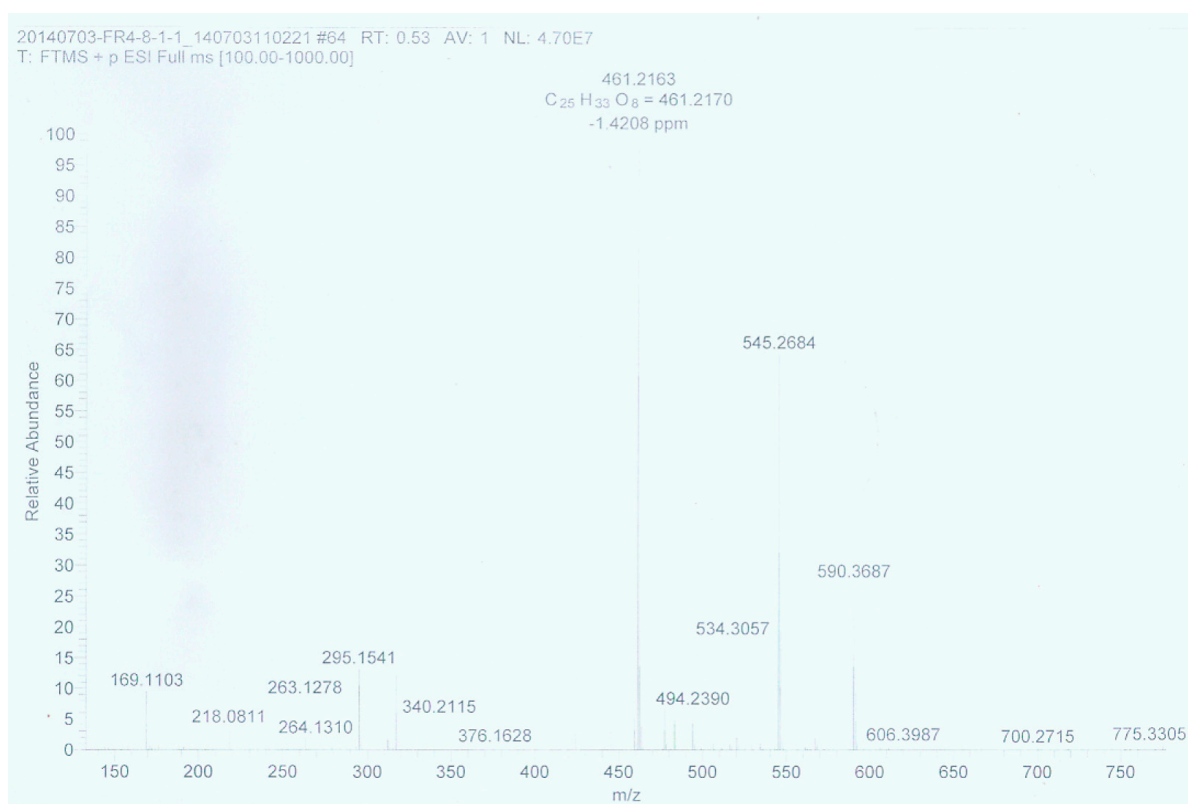


Figure S18. HRESIMS of Compound 3.

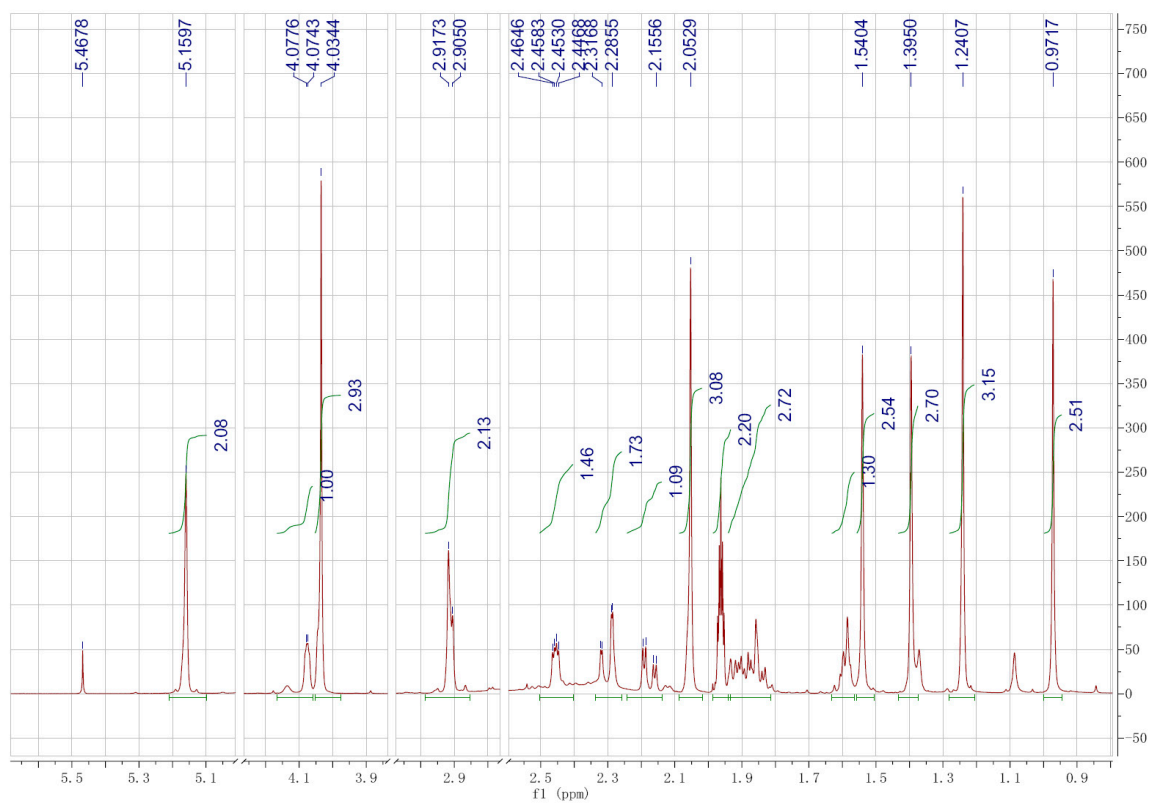


Figure S19. ^1H NMR (500 MHz) spectrum of Compound 3 in CD_3CN .

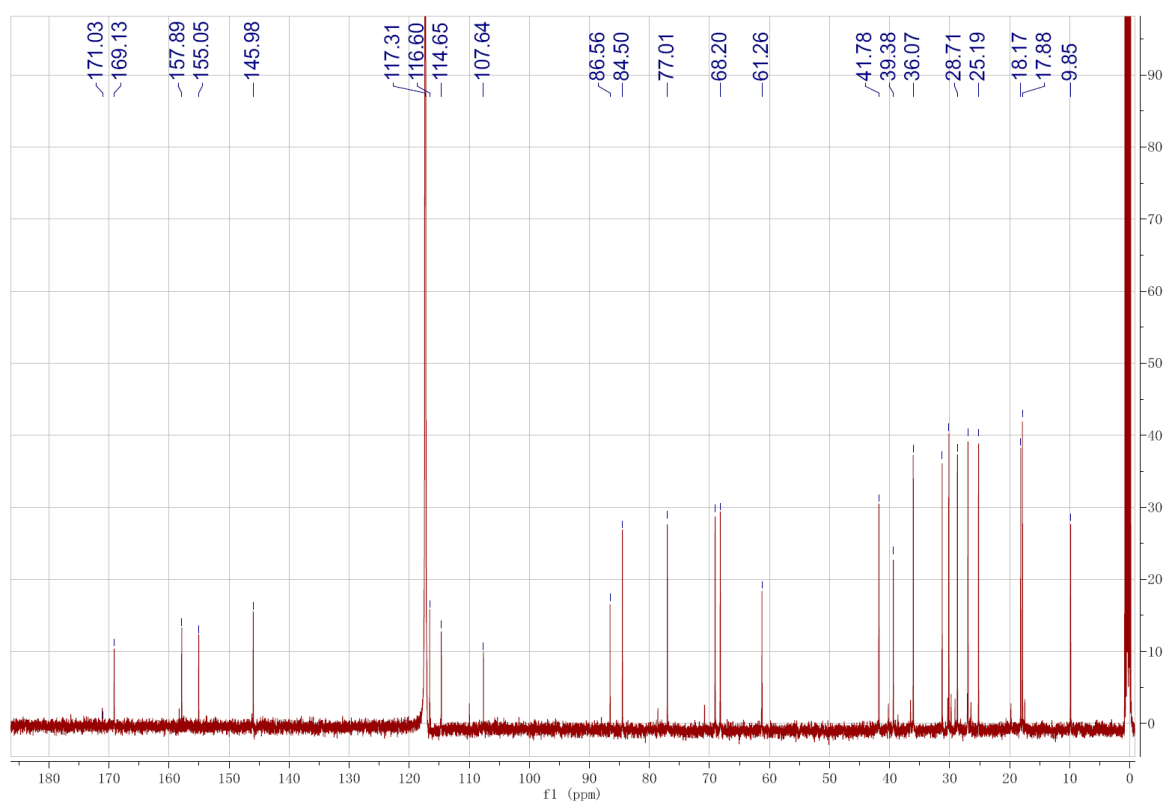


Figure S20. ^{13}C NMR spectrum of Compound 3 in CD_3CN .

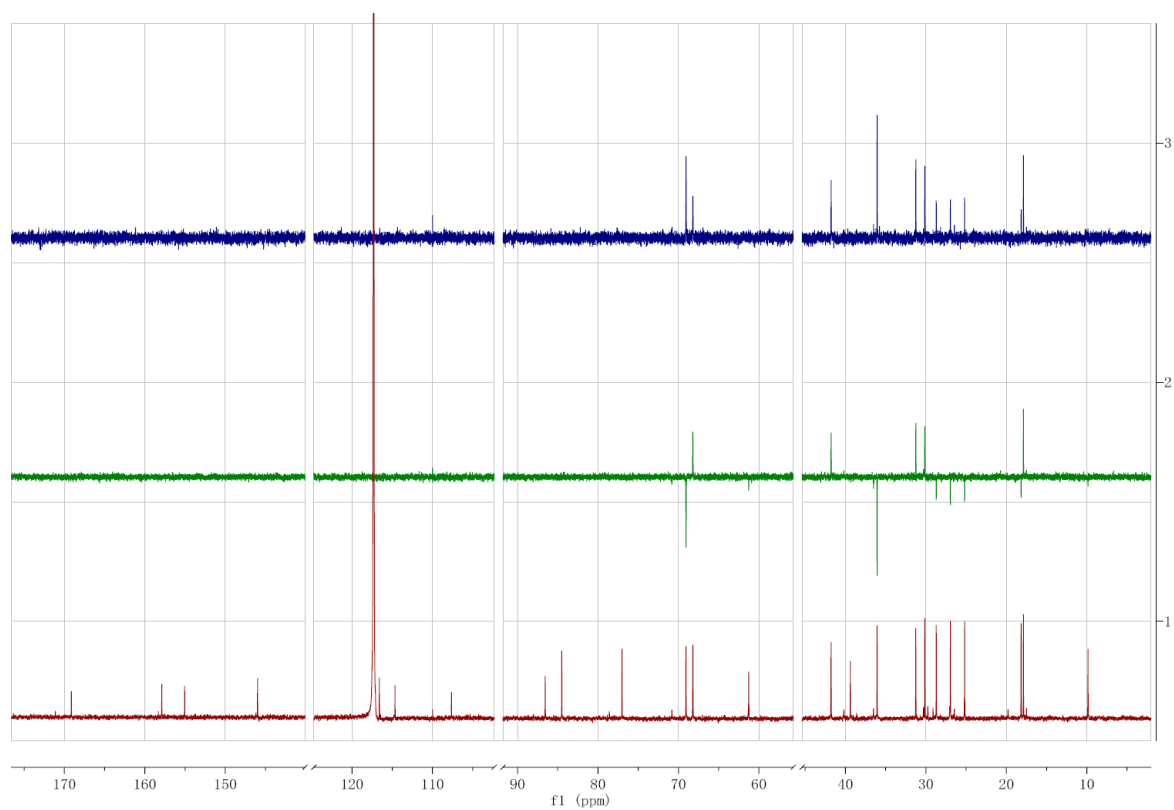


Figure S21. DEPT spectrum of Compound 3 in CD₃CN.

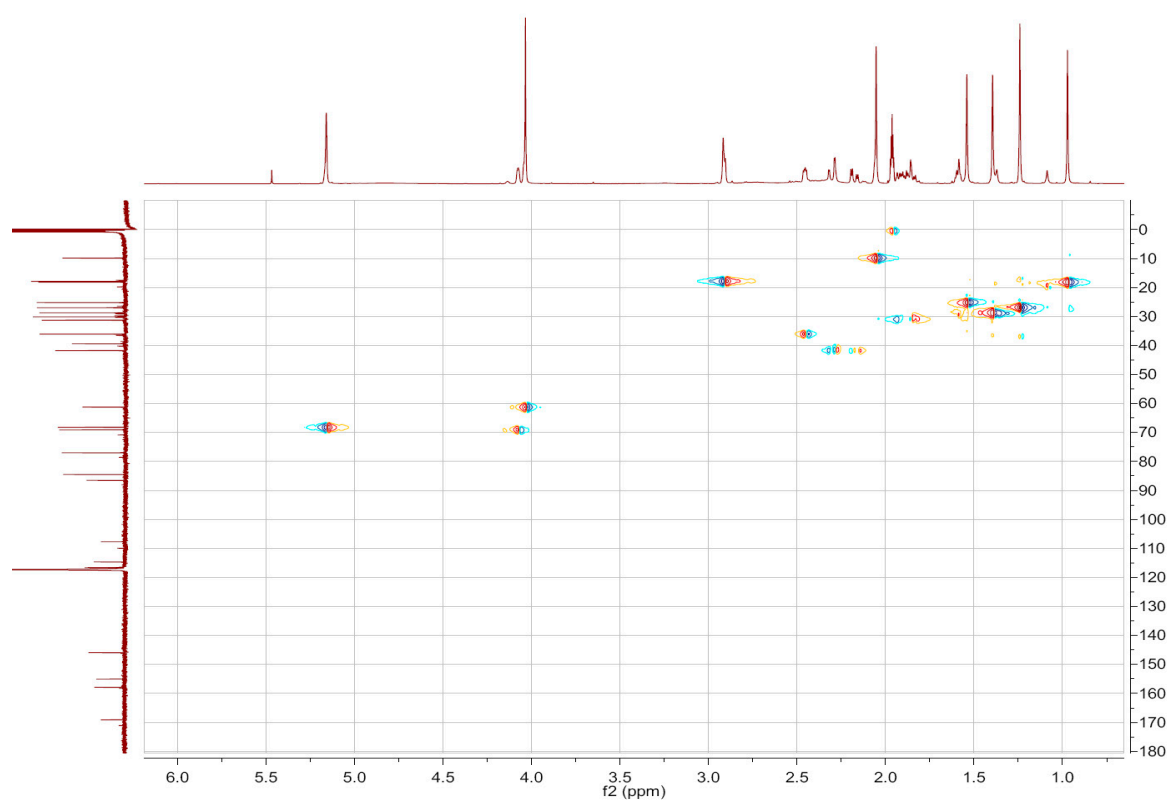


Figure S22. HMQC spectrum of Compound 3 in CD₃CN.

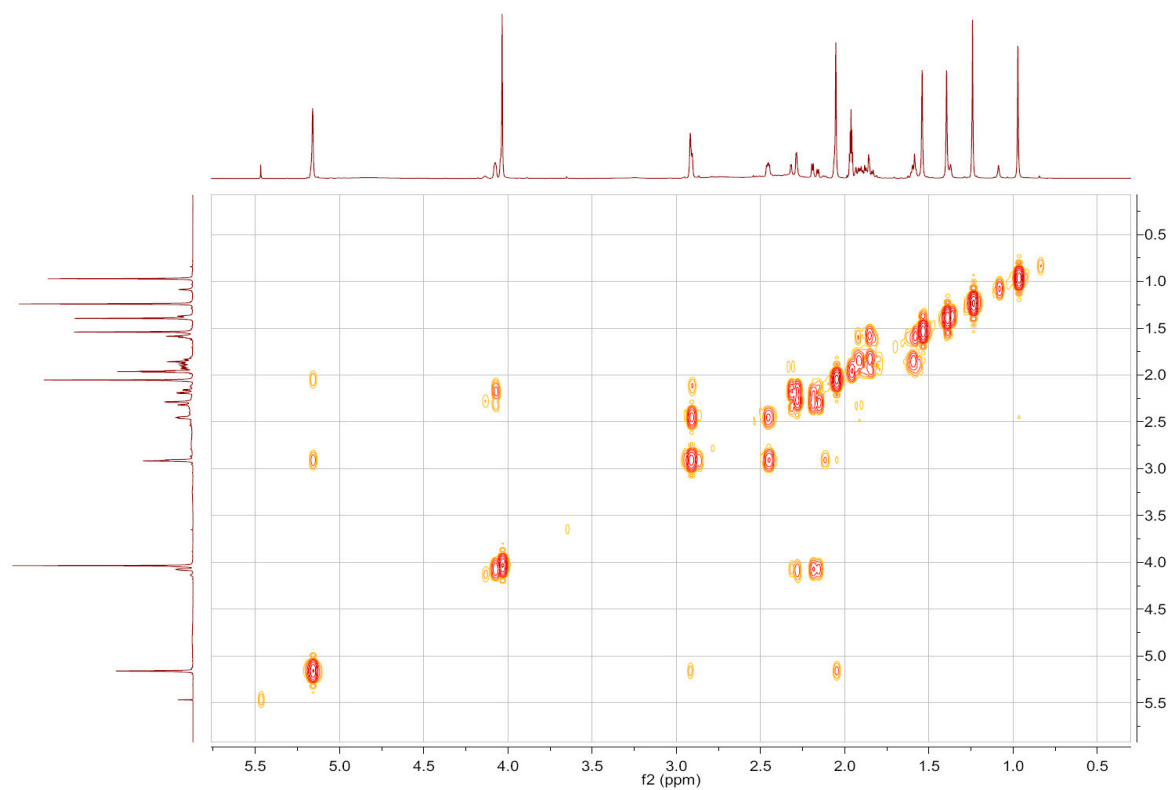


Figure S23. ¹H-¹H COSY spectrum of Compound 3 in CD₃CN.

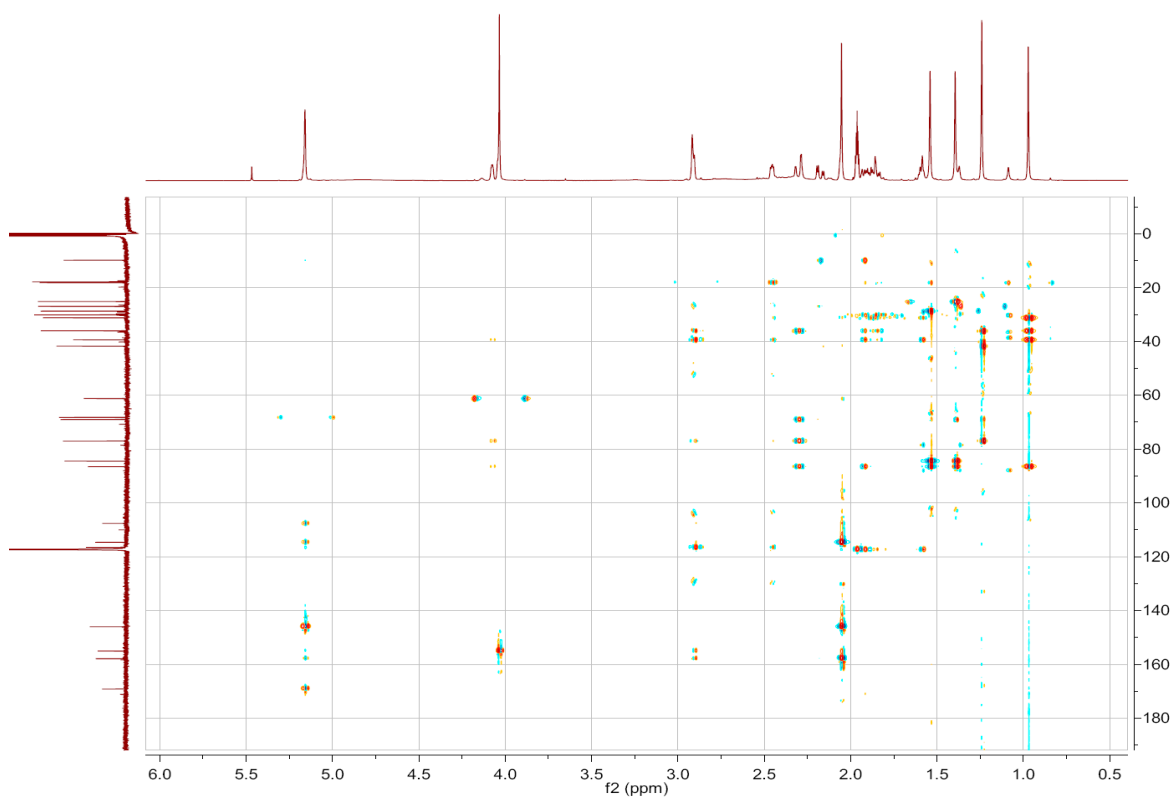
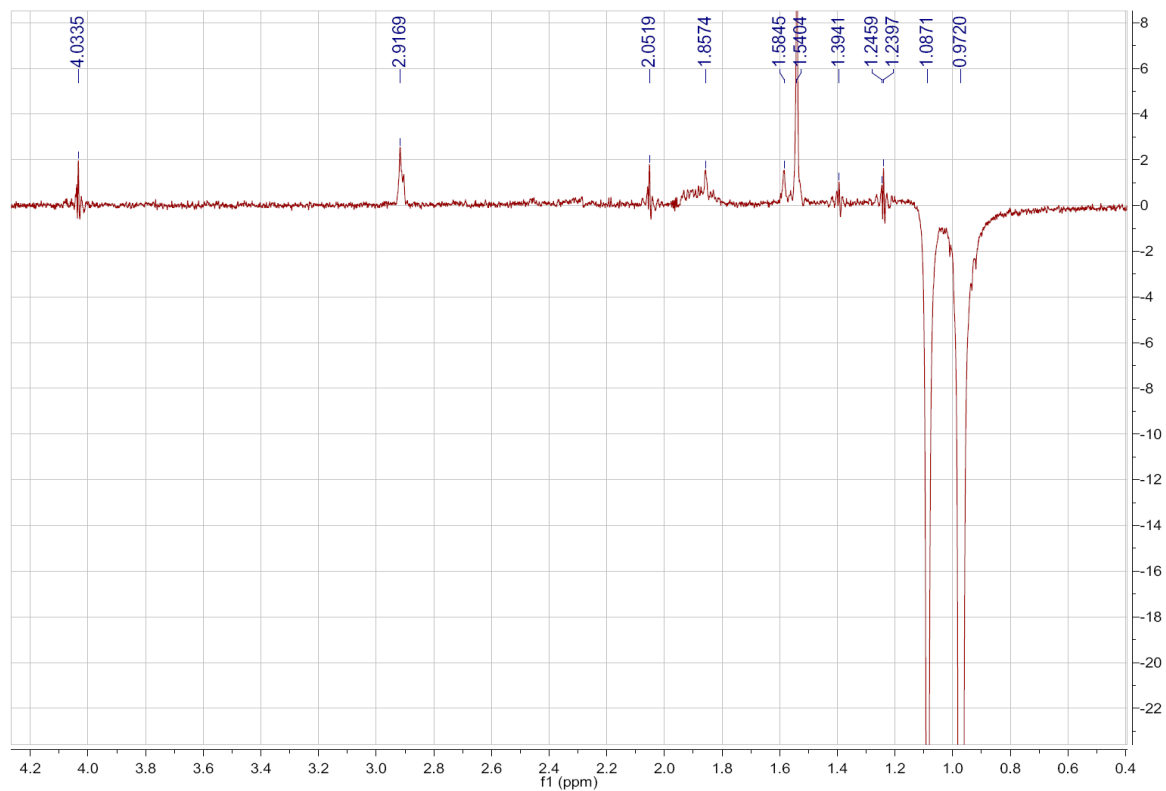
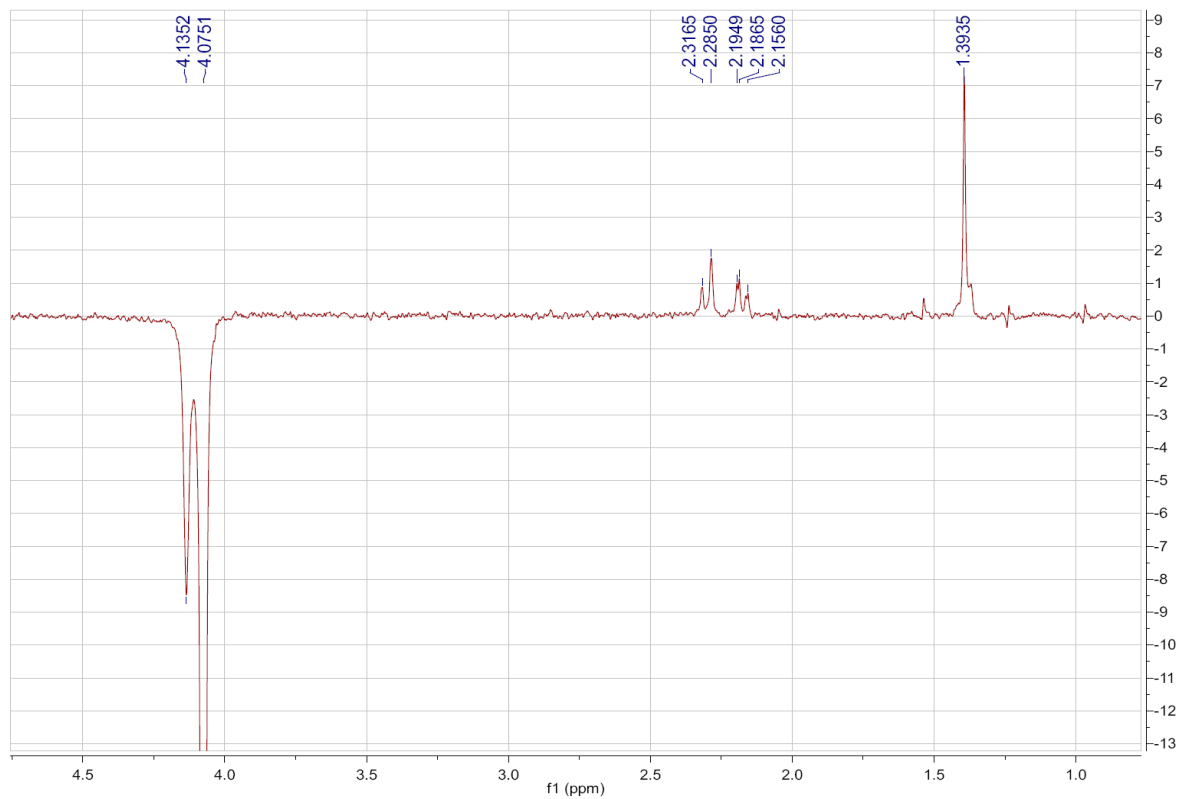


Figure S24. HMBC spectrum of Compound 3 in CD₃CN.



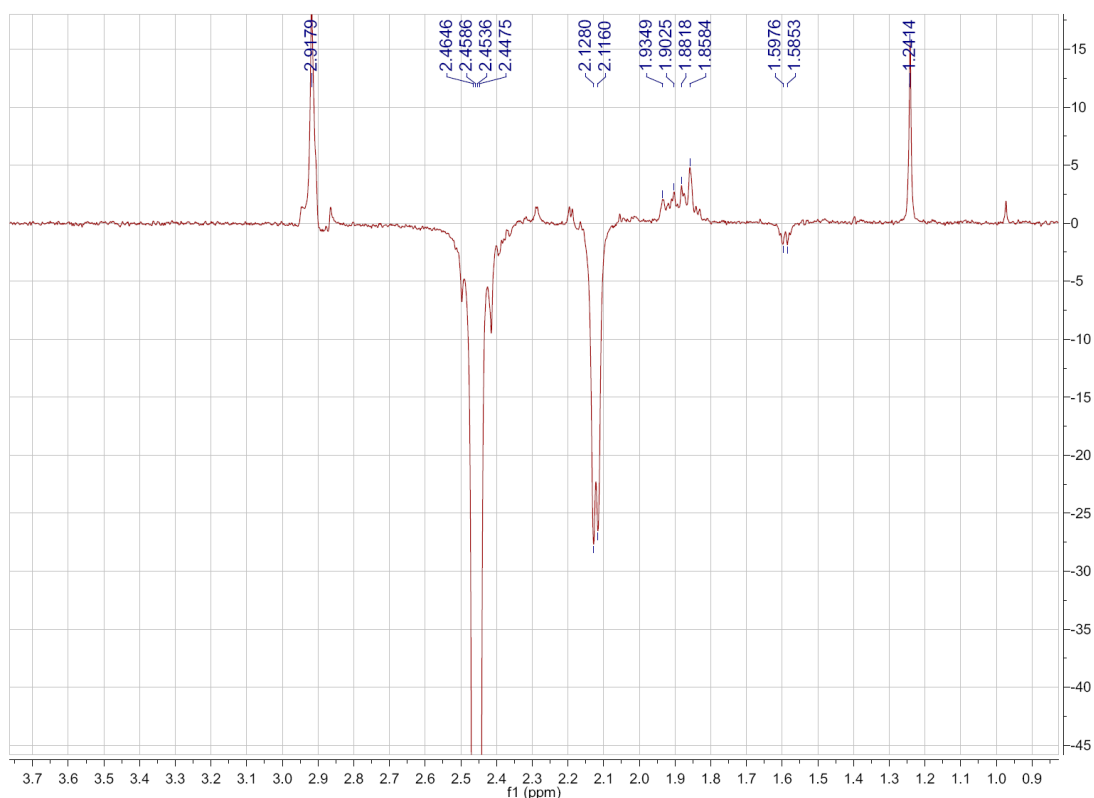
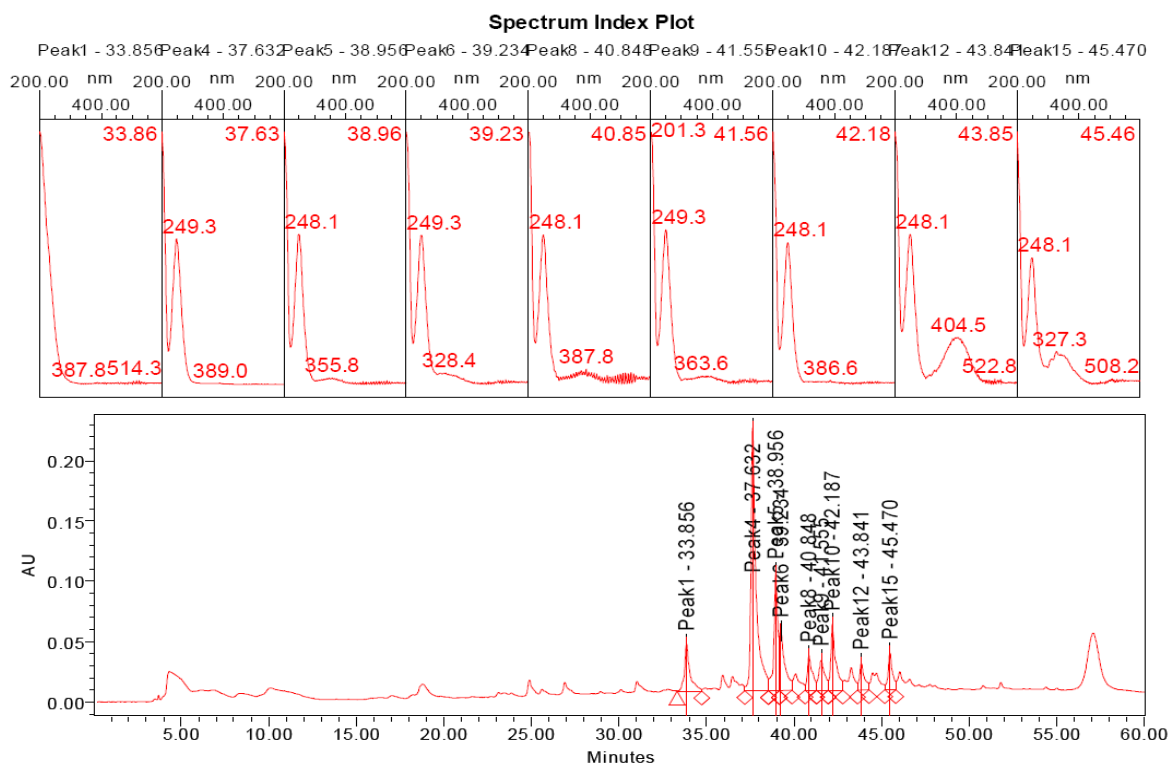


Figure S25. NOE spectra of Compound 3 in CD₃CN.



SampleName: ZXM20 2#; Vial: 4; Injection: 1; Date Acquired: 5/2/2013 5:22:47 PM CST

Figure S26. HPLC analysis of the EtOAc extract of *Aspergillus aureolatus* HDN14-107.

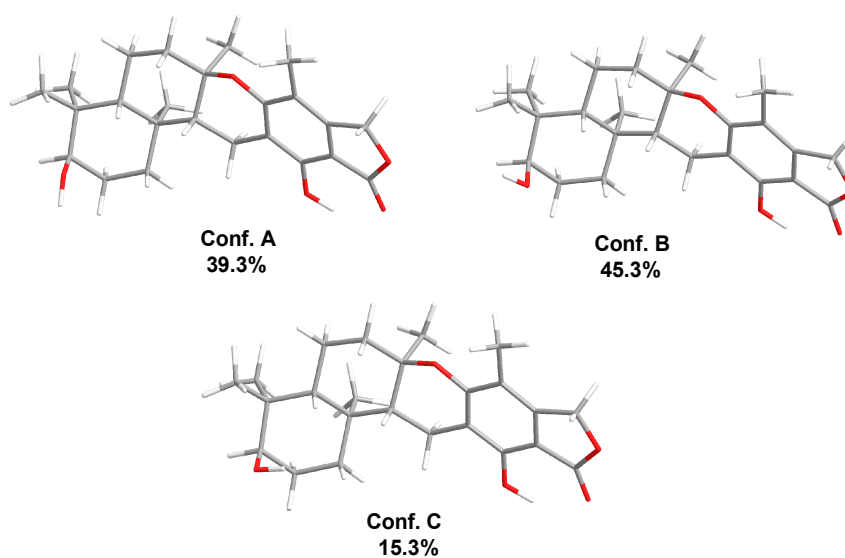


Figure S27. DFT-optimized structures for low-energy conformers of (11R, 14R, 17R, 20S, 21R)-1 at B3LYP/6-31+G (d) level in acetonitrile (Conformer populations were calculated using the Gibbs free energy and Boltzmann population at 298 K estimated thereof).