

## *Supplementary Materials*

# **Bioactive Dimeric Abietanoid Peroxides from the Bark of *Cryptomeria japonica***

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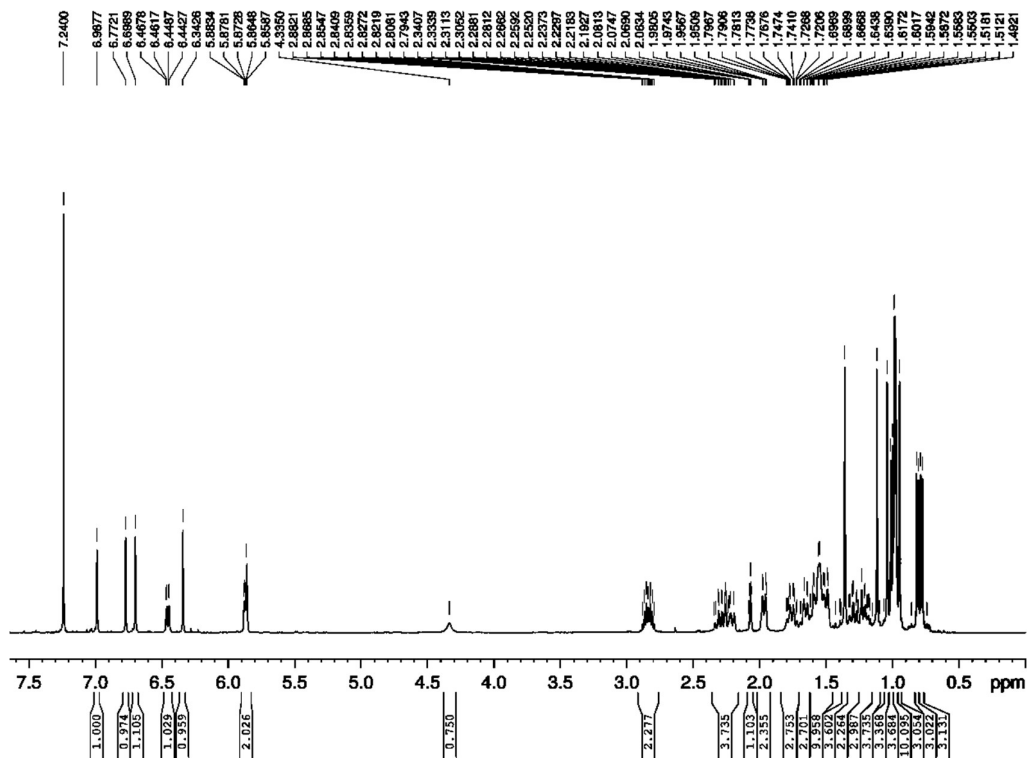


Figure S1.  $^1\text{H-NMR}$  spectrum of compound **1** in  $\text{CDCl}_3$ .

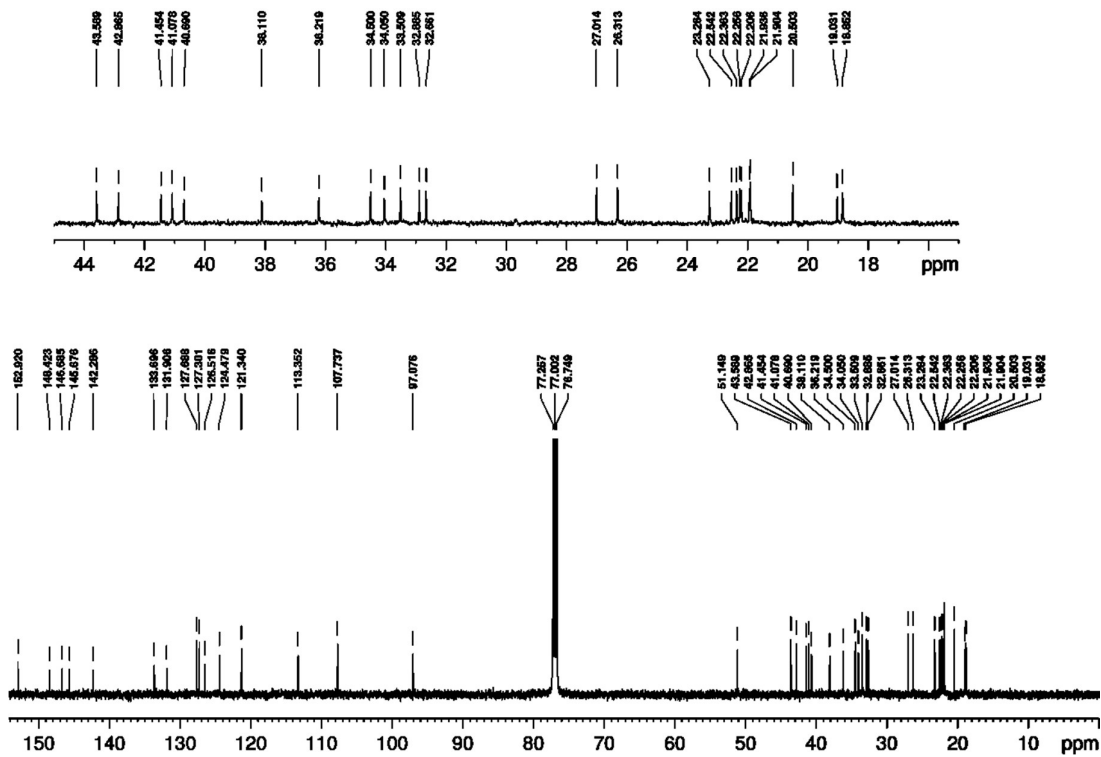


Figure S2.  $^{13}\text{C-NMR}$  spectrum and DEPT of compound **1** in  $\text{CDCl}_3$ .

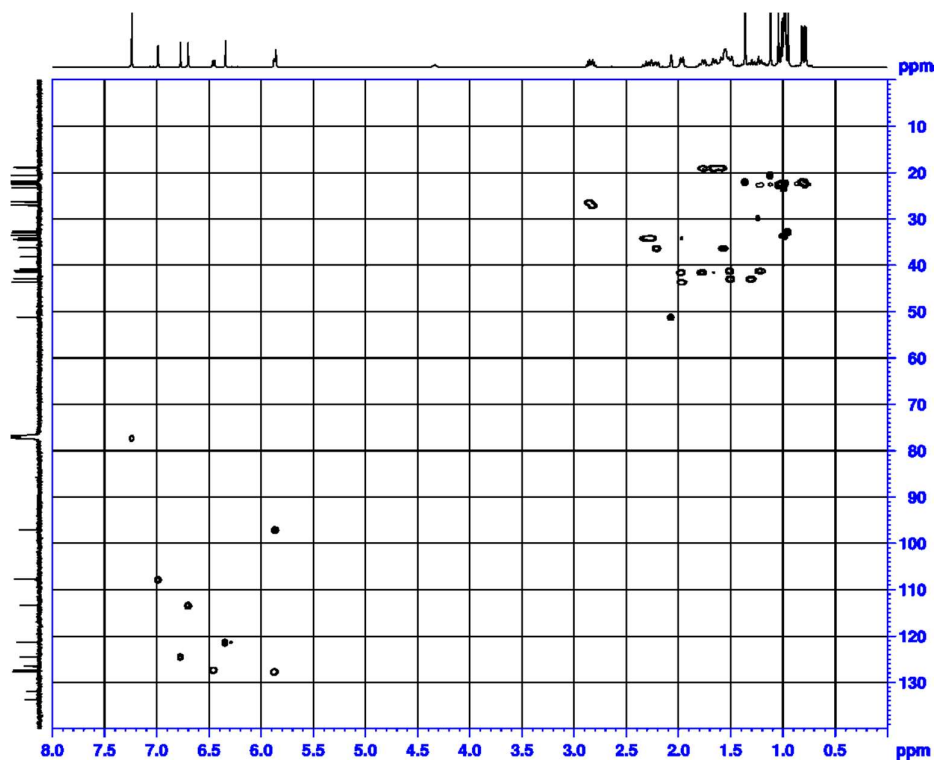


Figure S3. HMBC spectrum of compound 1 in CDCl<sub>3</sub>.

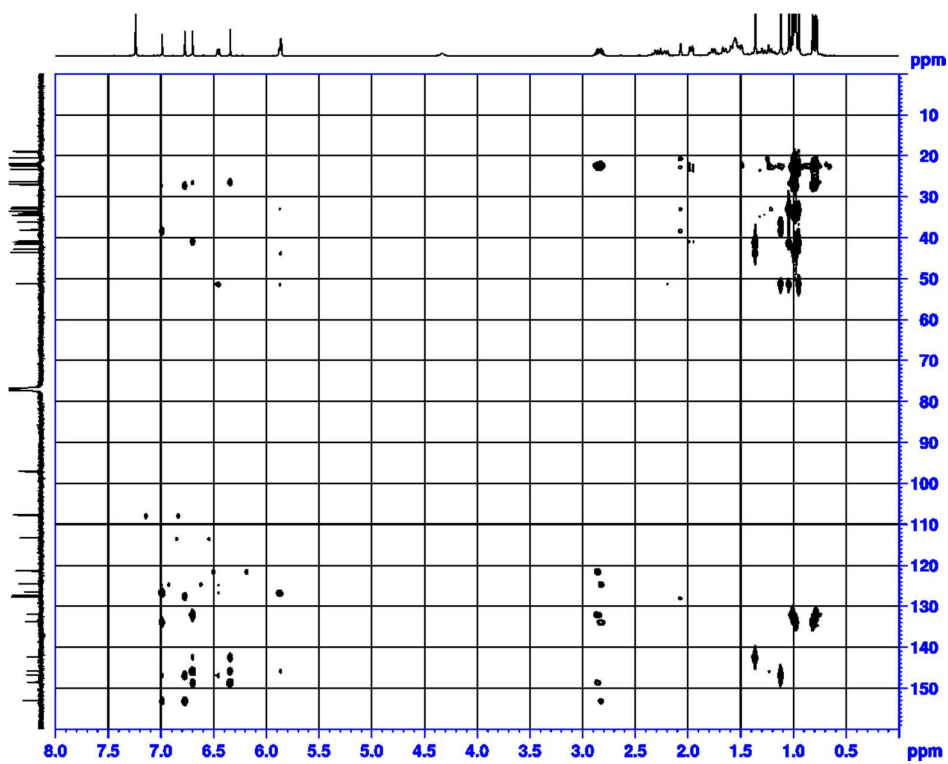


Figure S4. HMBC spectrum of compound 1 in CDCl<sub>3</sub>.

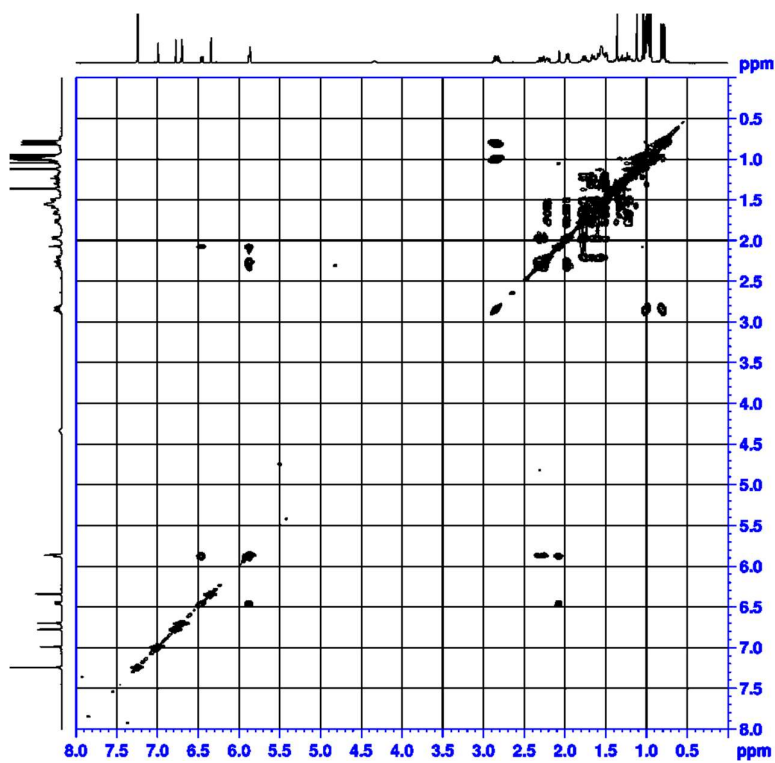


Figure S5.  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of compound **1** in  $\text{CDCl}_3$ .

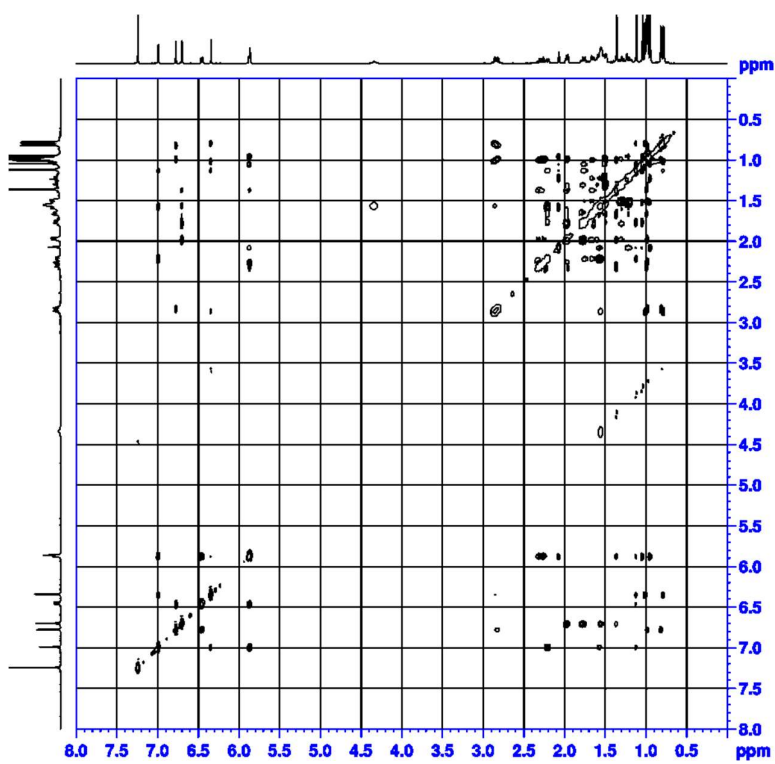


Figure S6. NOESY spectrum of compound **1** in  $\text{CDCl}_3$ .

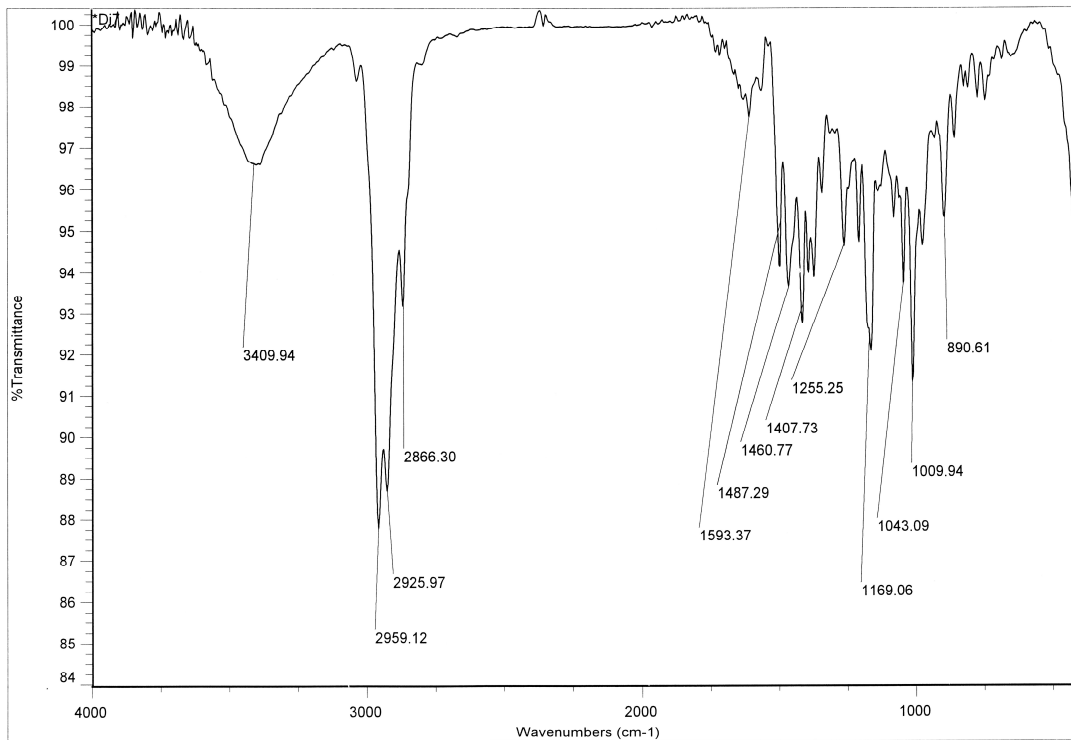


Figure S7. IR spectrum of compound 1.

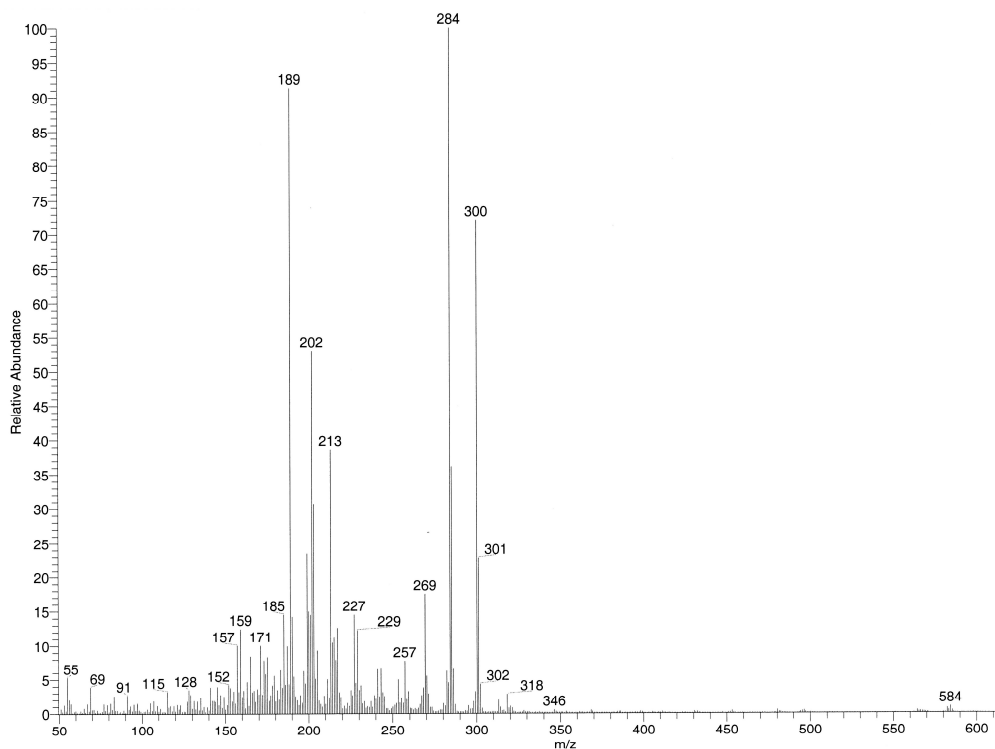


Figure S8. Mass spectrum of compound 1.

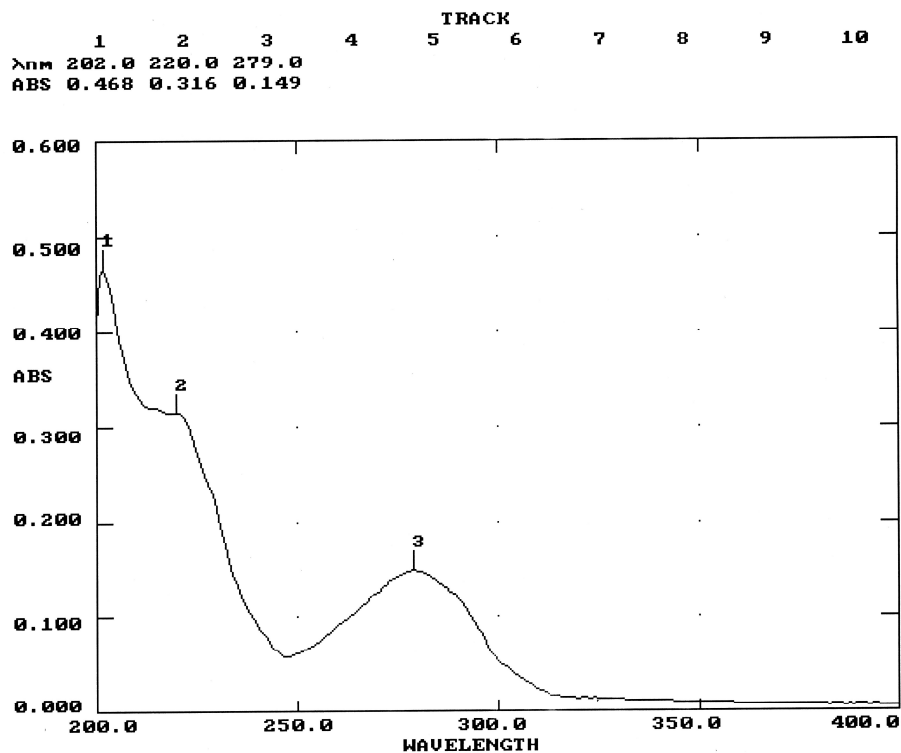


Figure S9. UV-Vis spectrum of compound 1.

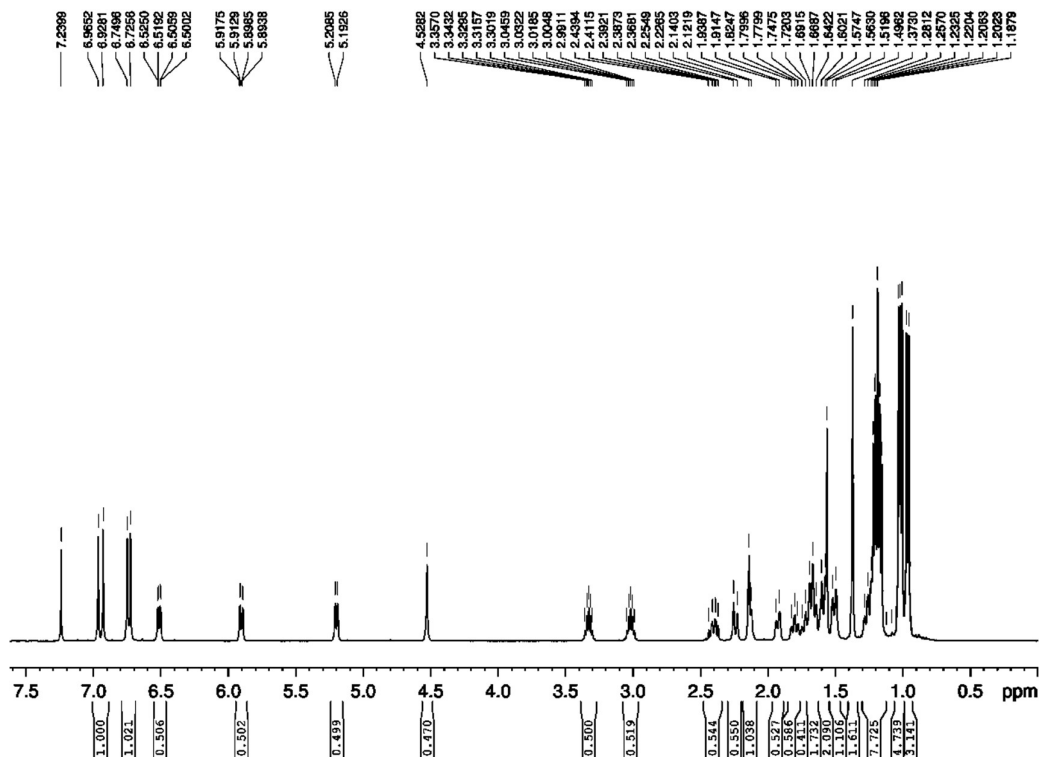


Figure S10. <sup>1</sup>H-NMR spectrum of compound 2 in CDCl<sub>3</sub>.

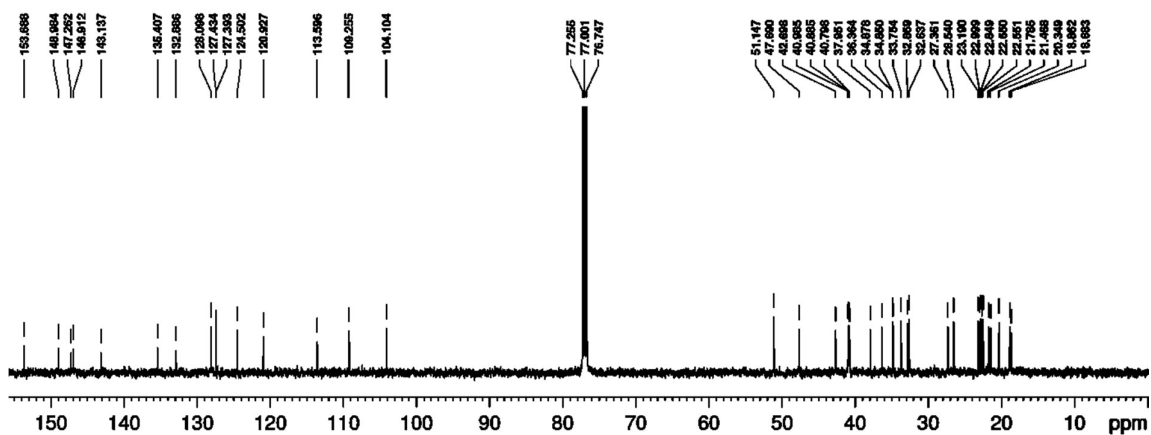
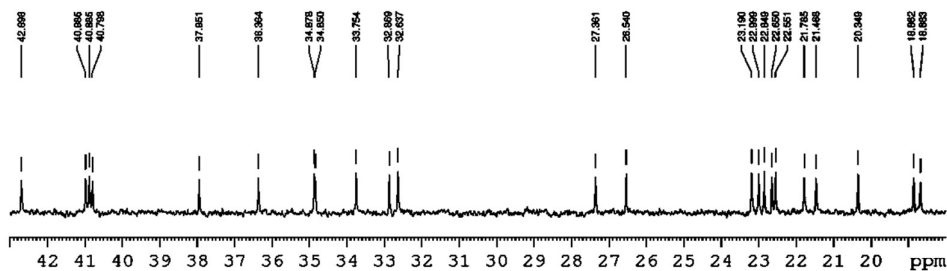


Figure S11.  $^{13}\text{C}$ -NMR spectrum and DEPT of compound 2 in  $\text{CDCl}_3$ .

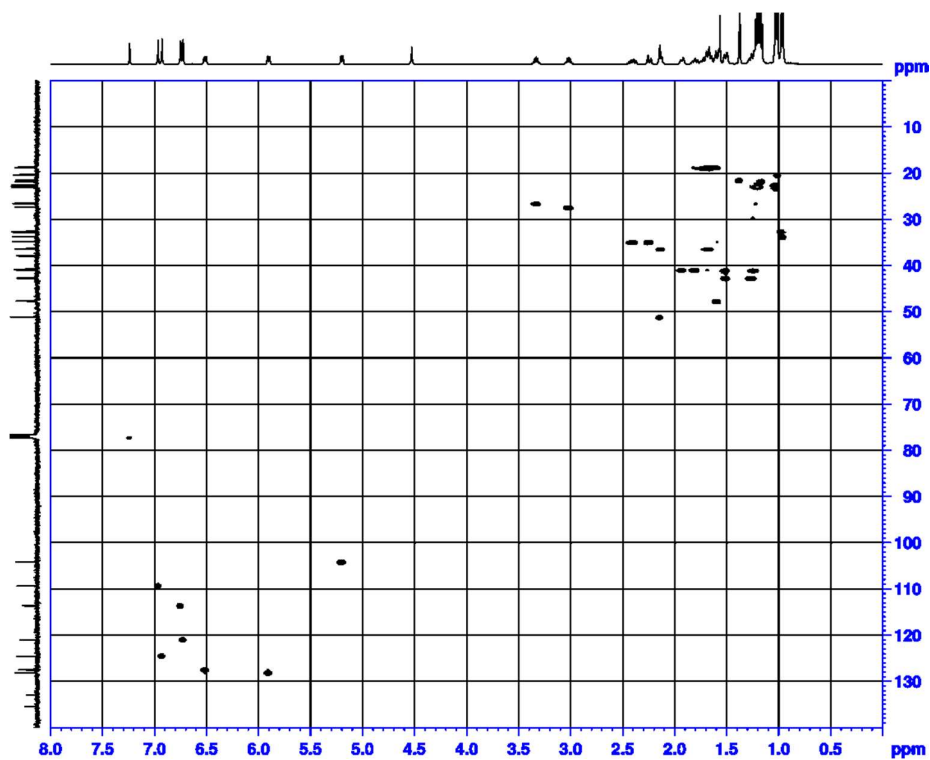


Figure S12. HMQC spectrum of compound 2 in  $\text{CDCl}_3$ .



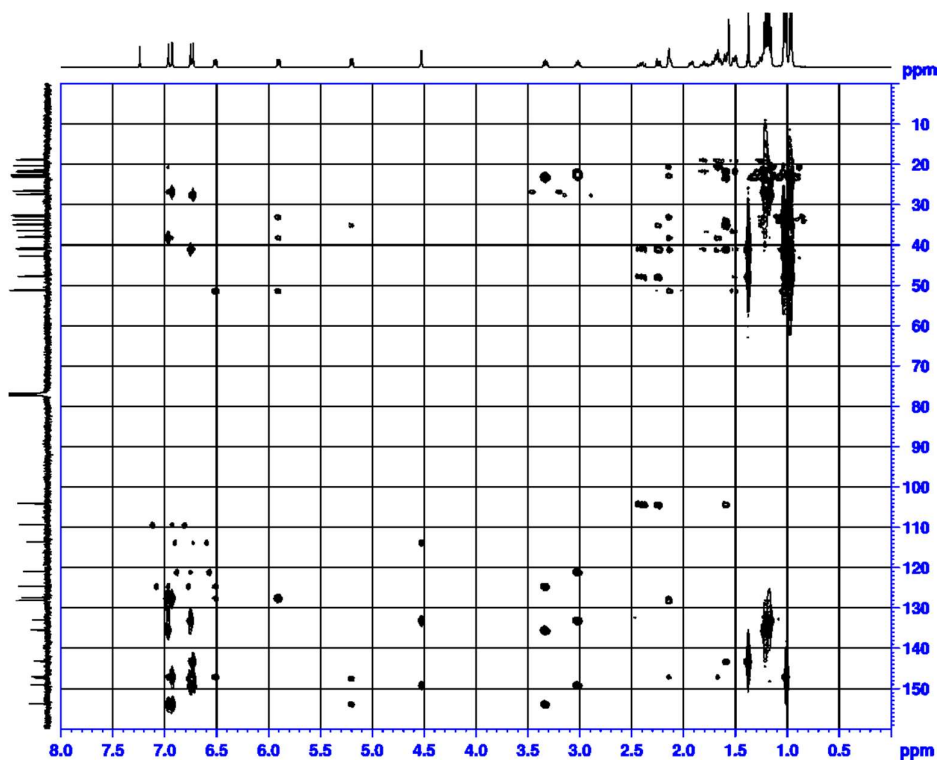


Figure S13. HMBC spectrum of compound 2 in CDCl<sub>3</sub>.

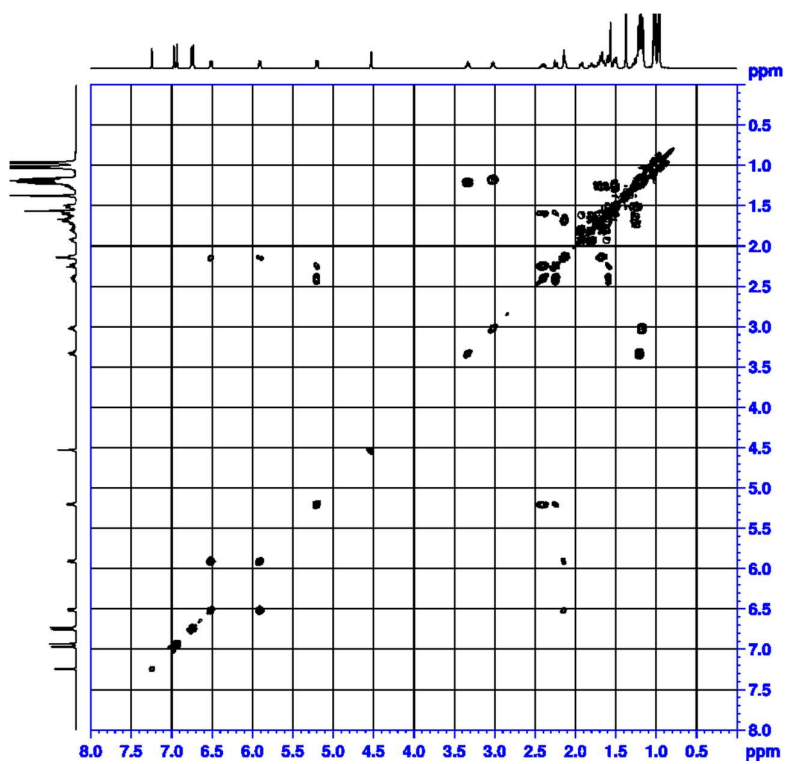


Figure S14. <sup>1</sup>H-<sup>1</sup>H COSY spectrum of compound 2 in CDCl<sub>3</sub>.

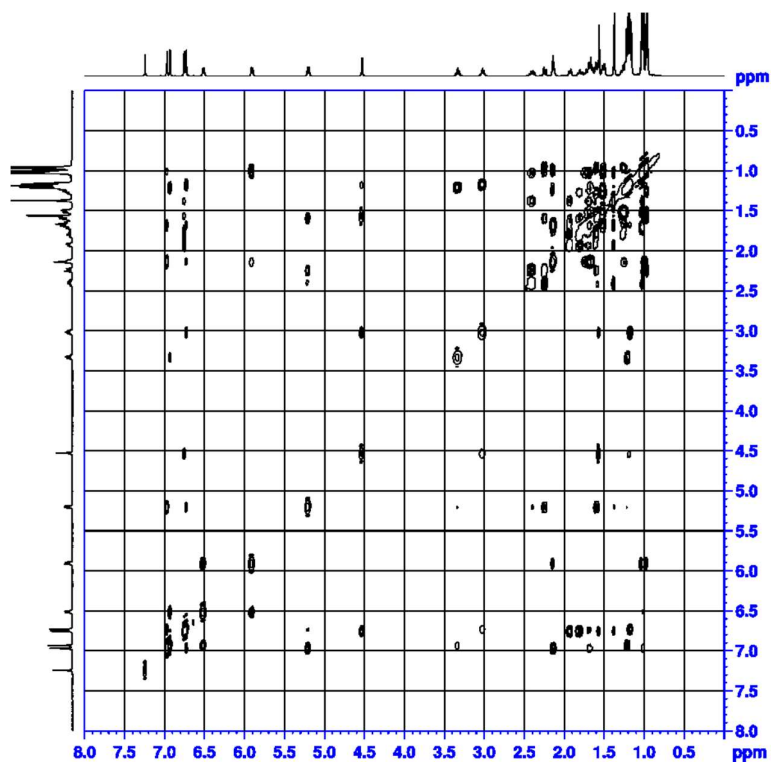


Figure S15. NOSEY spectrum of compound 2 in  $\text{CDCl}_3$ .

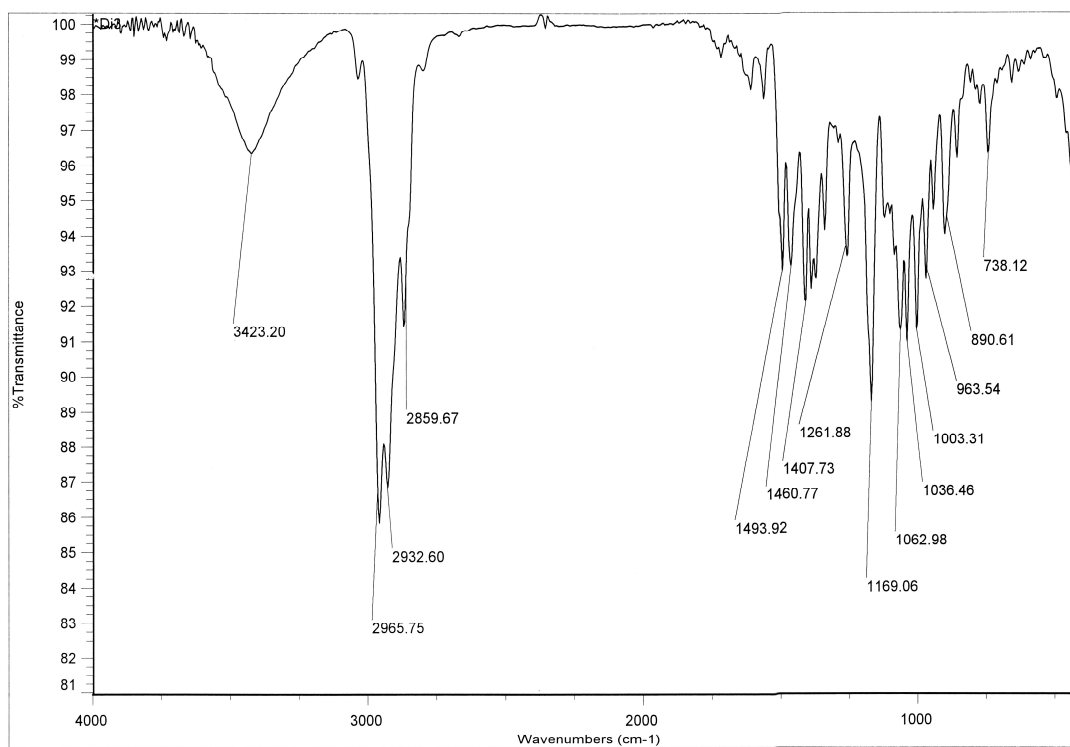


Figure S16. IR spectrum of compound 2.

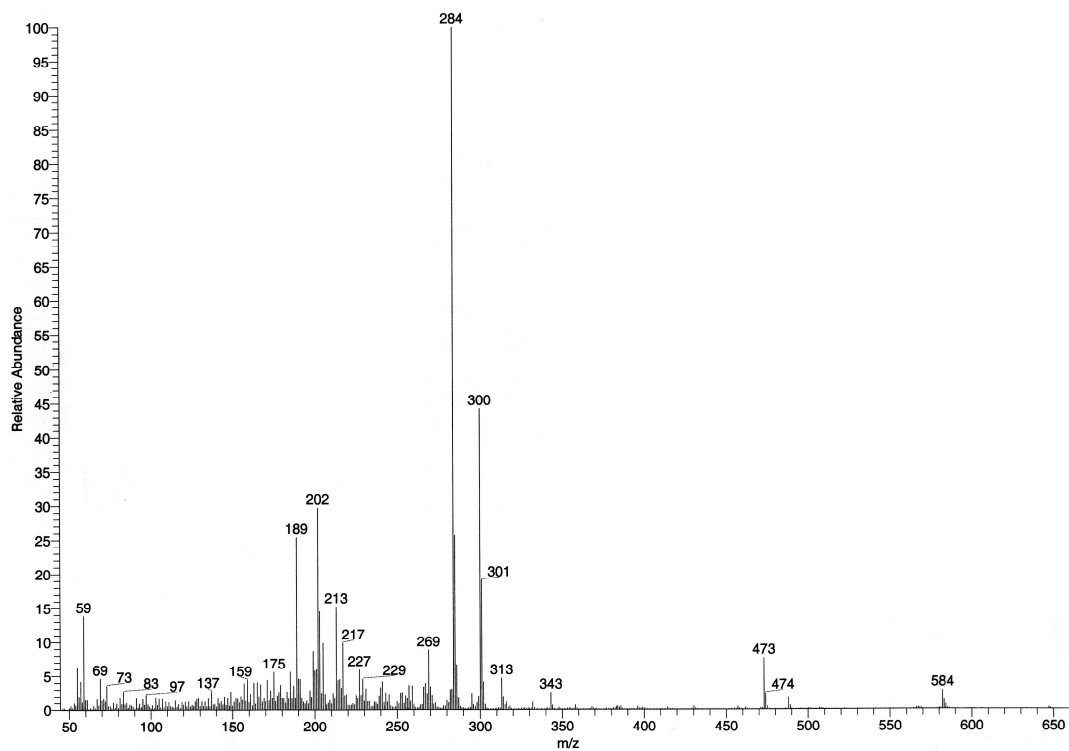


Figure S17. Mass spectrum of compound 2.

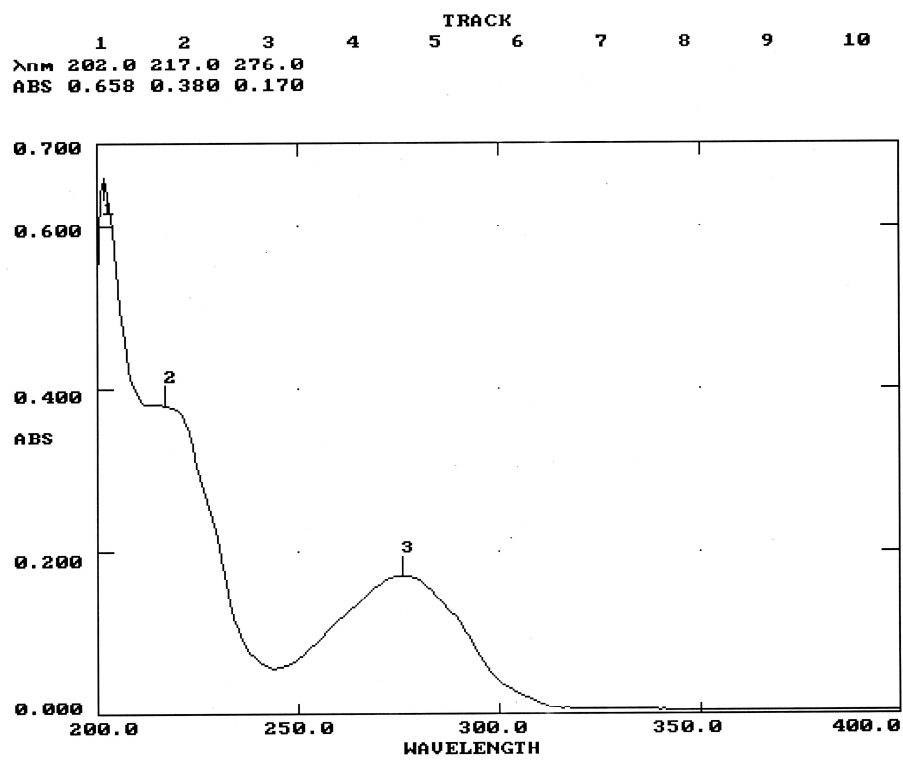


Figure S18. UV-Vis spectrum of compound 2.

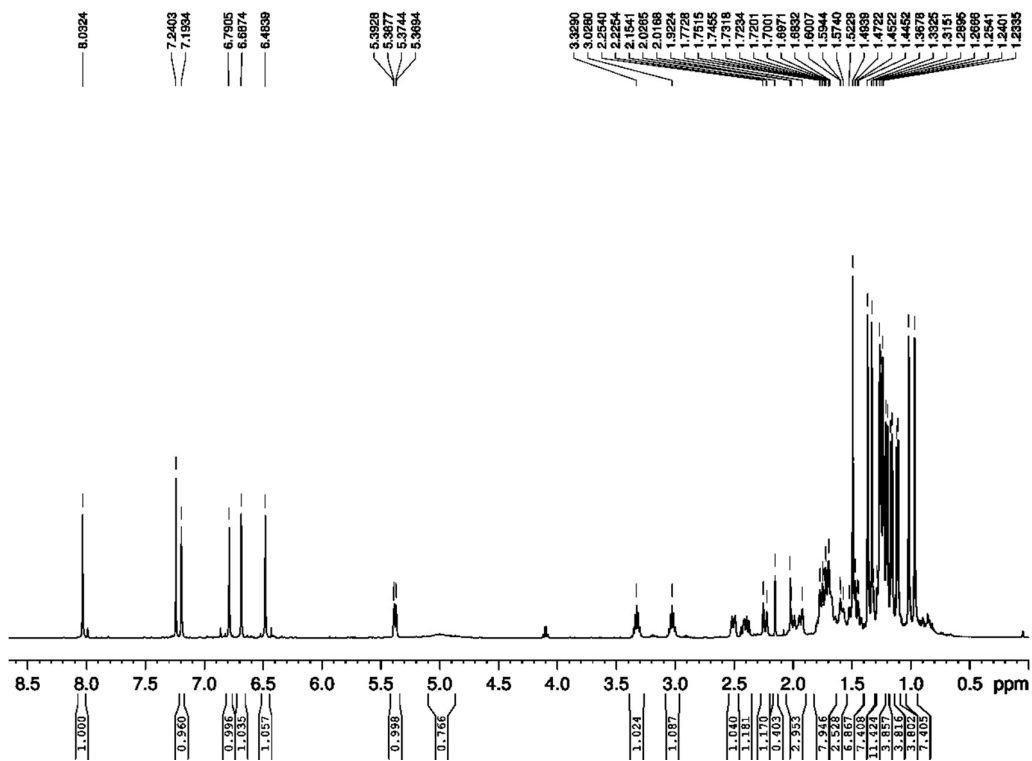


Figure S19.  $^1\text{H}$ -NMR spectrum of compound 3 in  $\text{CDCl}_3$ .

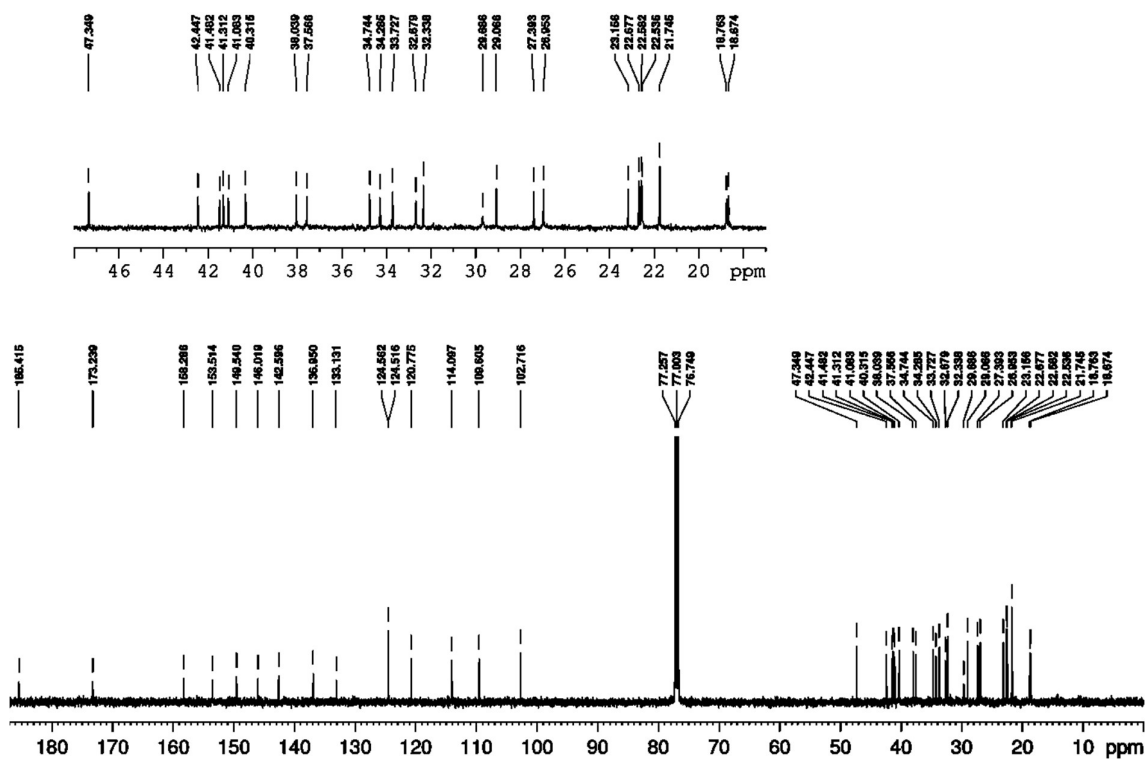


Figure S20.  $^{13}\text{C}$ -NMR spectrum and DEPT of compound 3 in  $\text{CDCl}_3$ .

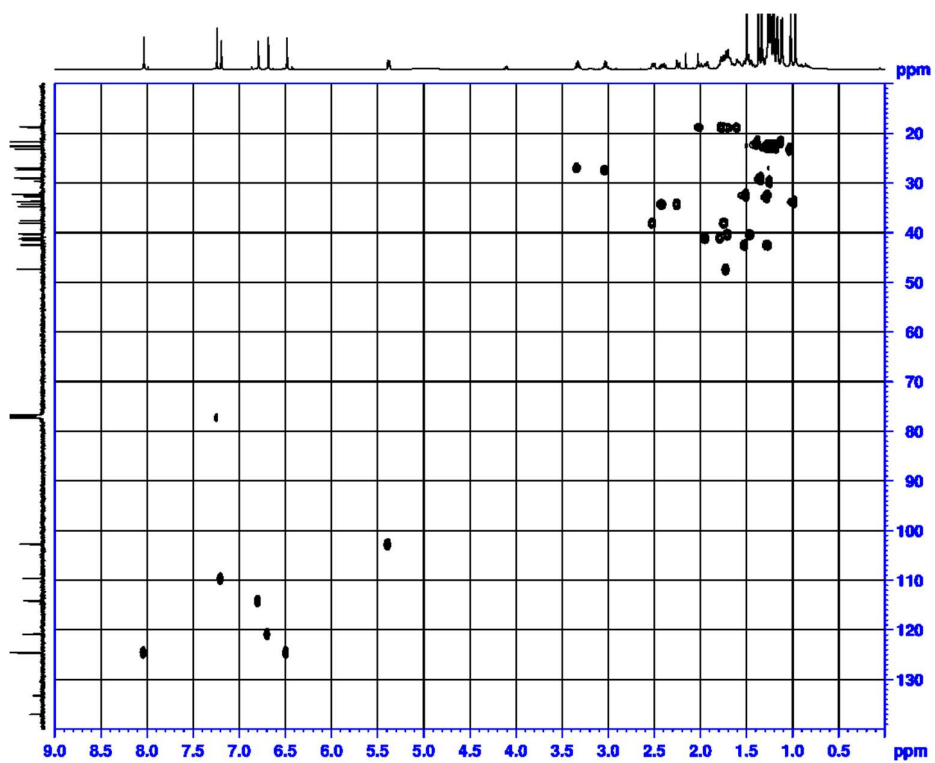


Figure S21. HMQC spectrum of compound 3 in CDCl<sub>3</sub>.

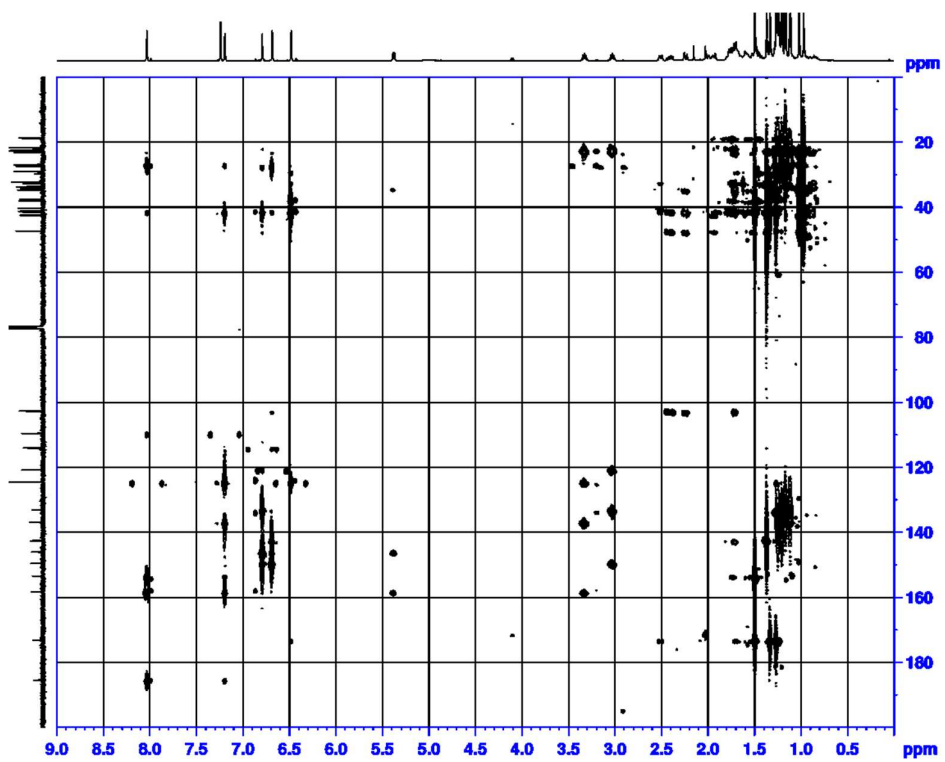


Figure S22. HMBC spectrum of compound 3 in CDCl<sub>3</sub>.

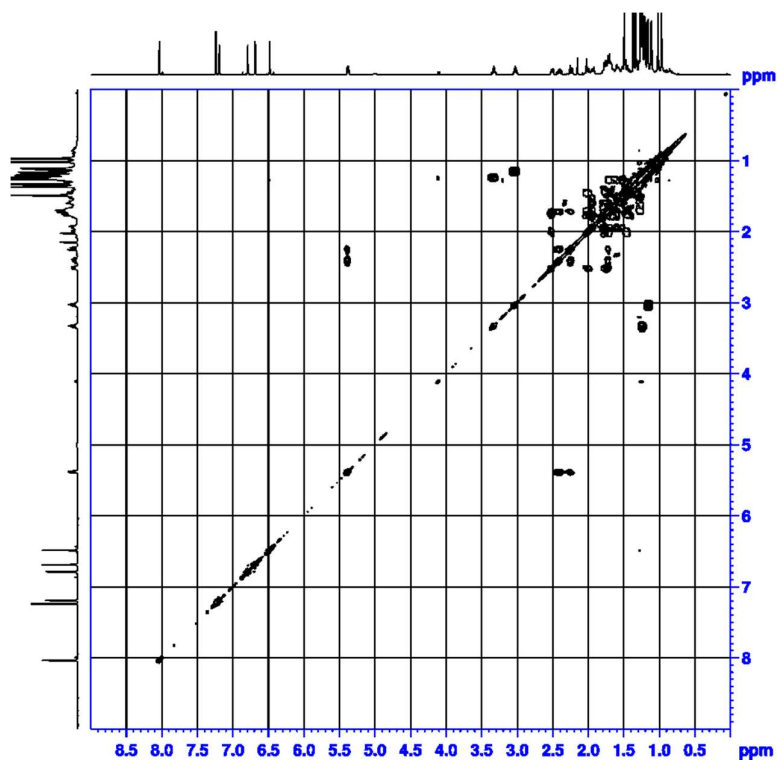


Figure S23.  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of compound 3 in  $\text{CDCl}_3$ .

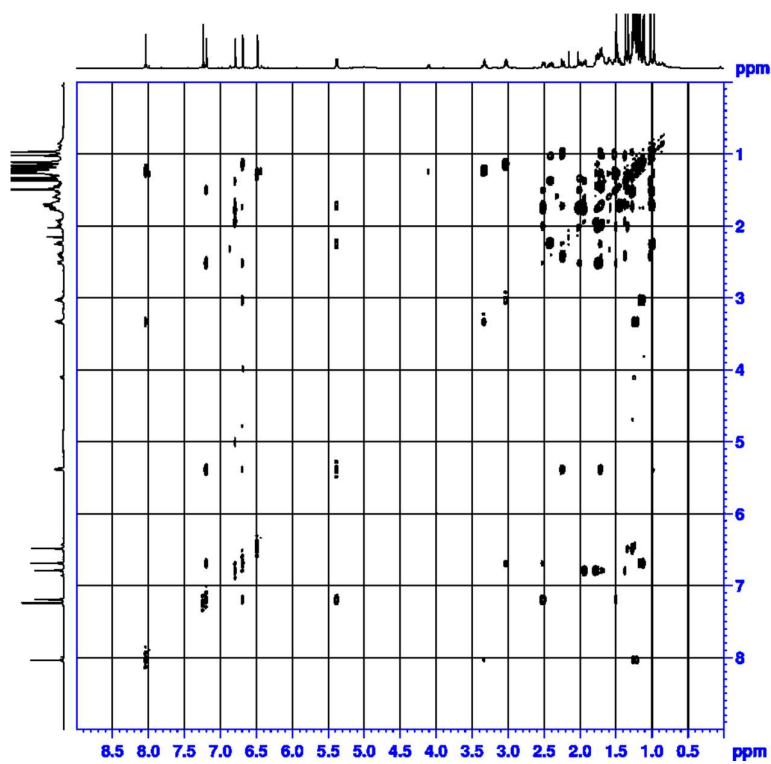


Figure S24. NOESY spectrum of compound 3 in  $\text{CDCl}_3$ .

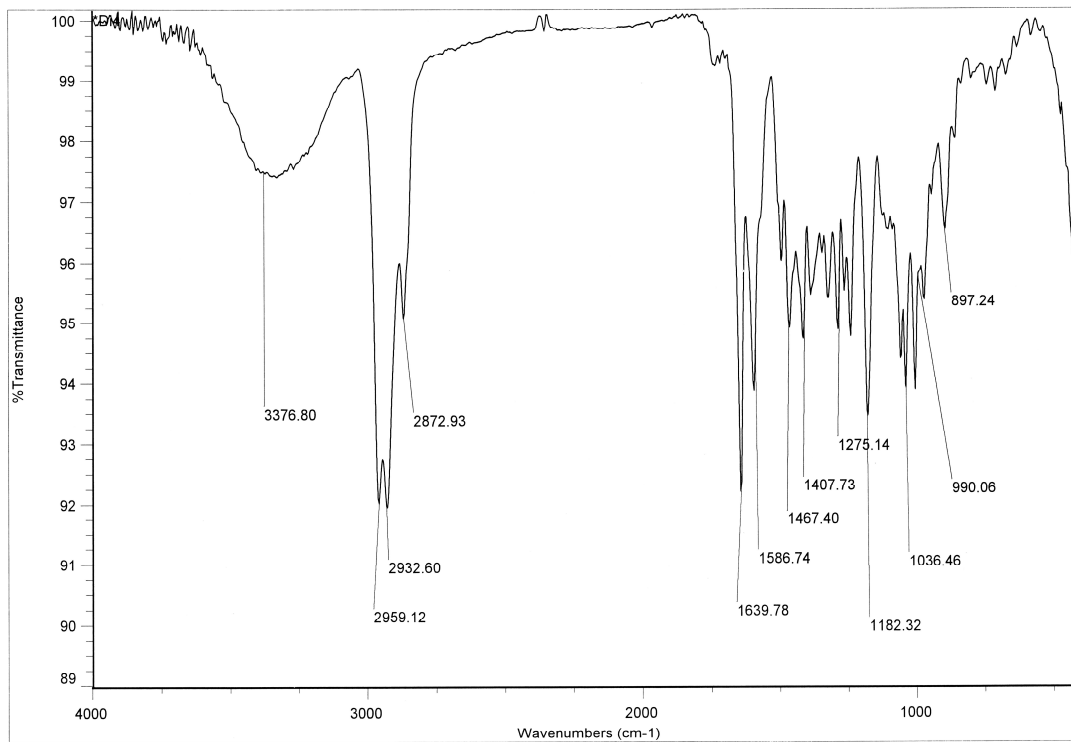


Figure S25. IR spectrum of compound 3.

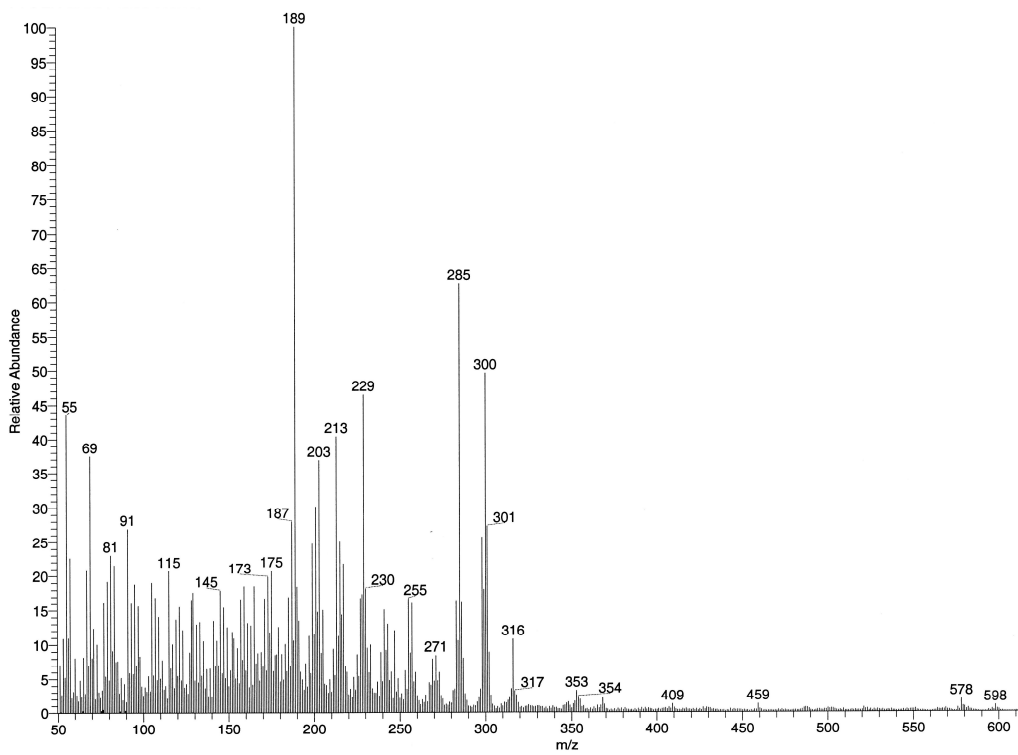


Figure S26. Mass spectrum of compound 3.

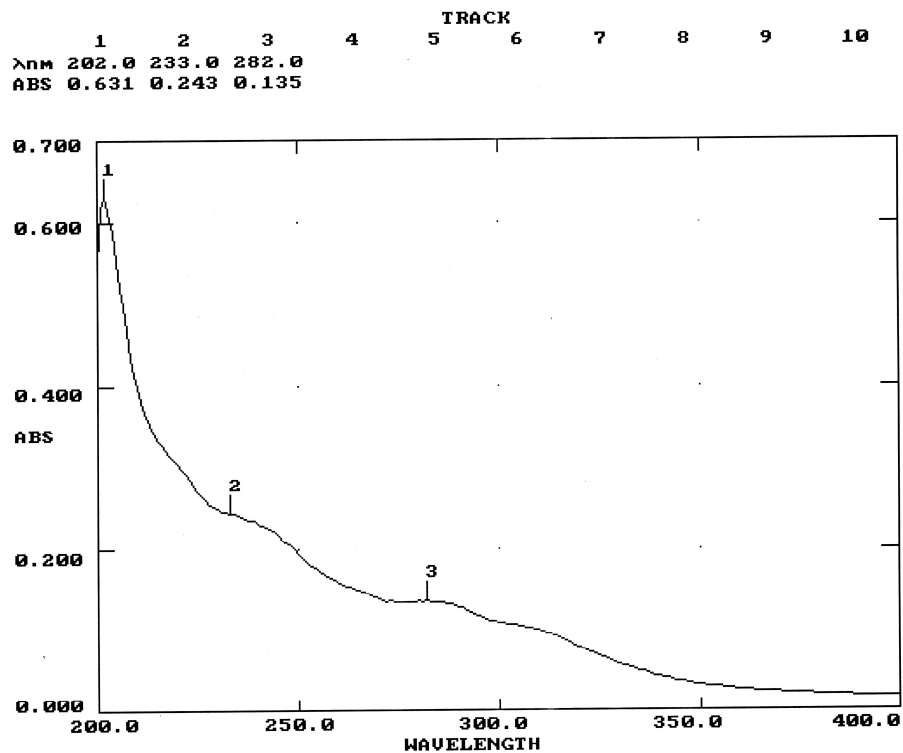


Figure S27. UV-Vis spectrum of compound 3.

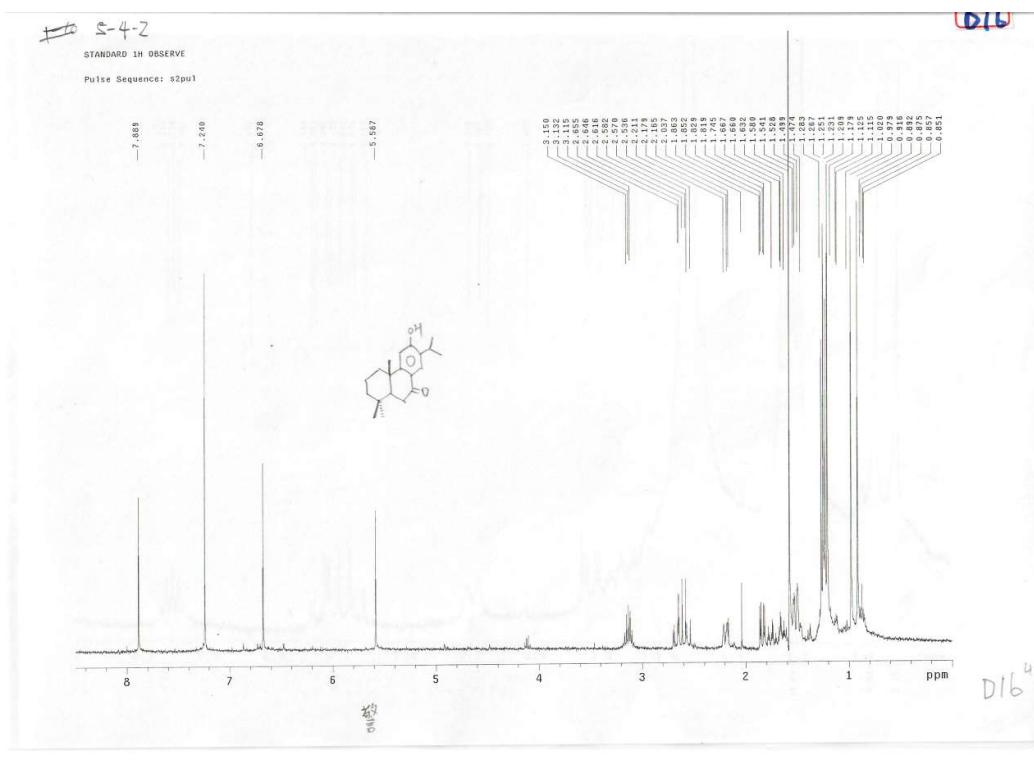


Figure S28. <sup>1</sup>H-NMR spectrum of compound 4 in CDCl<sub>3</sub>.



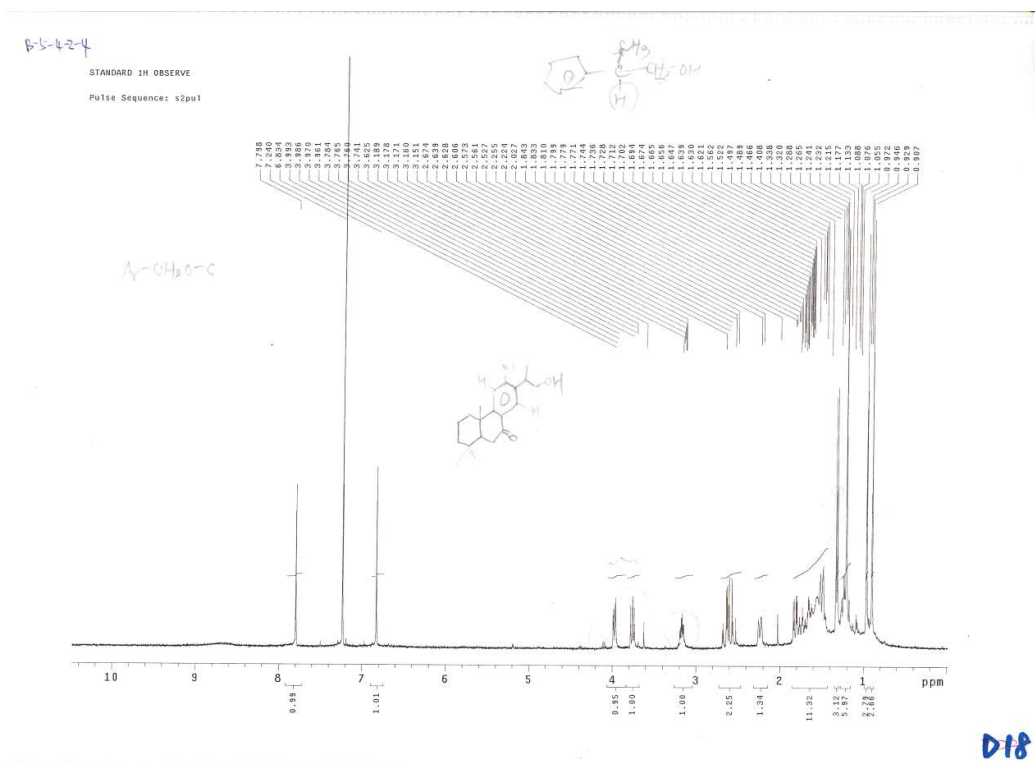


Figure S29. <sup>1</sup>H-NMR spectrum of compound **5** in CDCl<sub>3</sub>.

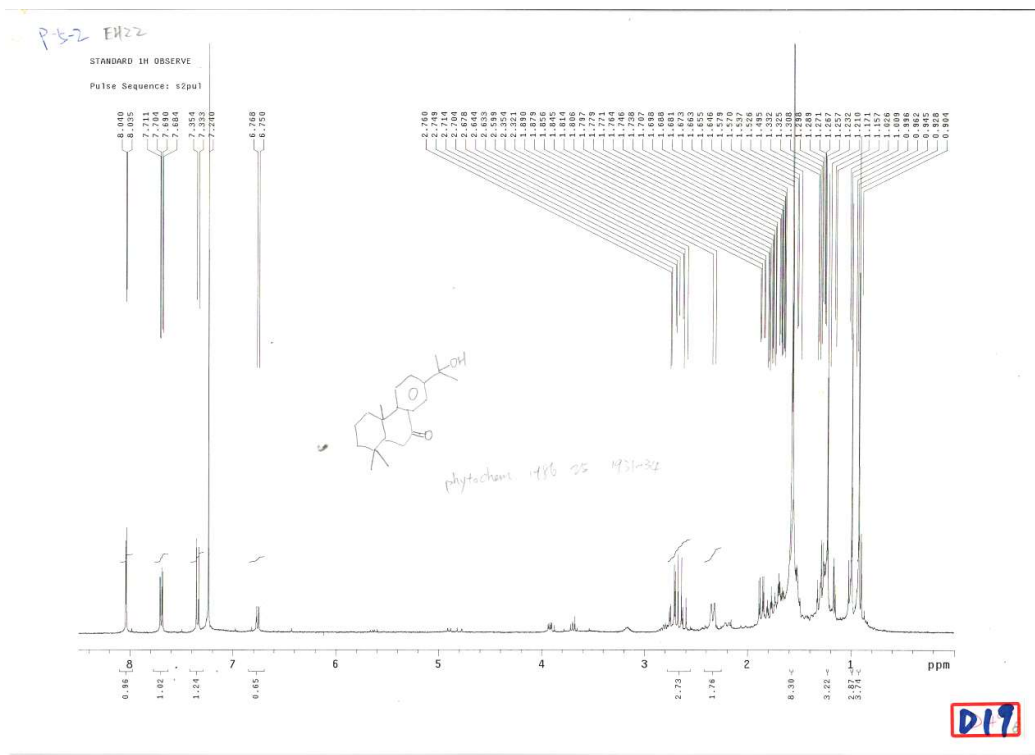


Figure S30. <sup>1</sup>H-NMR spectrum of compound **6** in CDCl<sub>3</sub>.

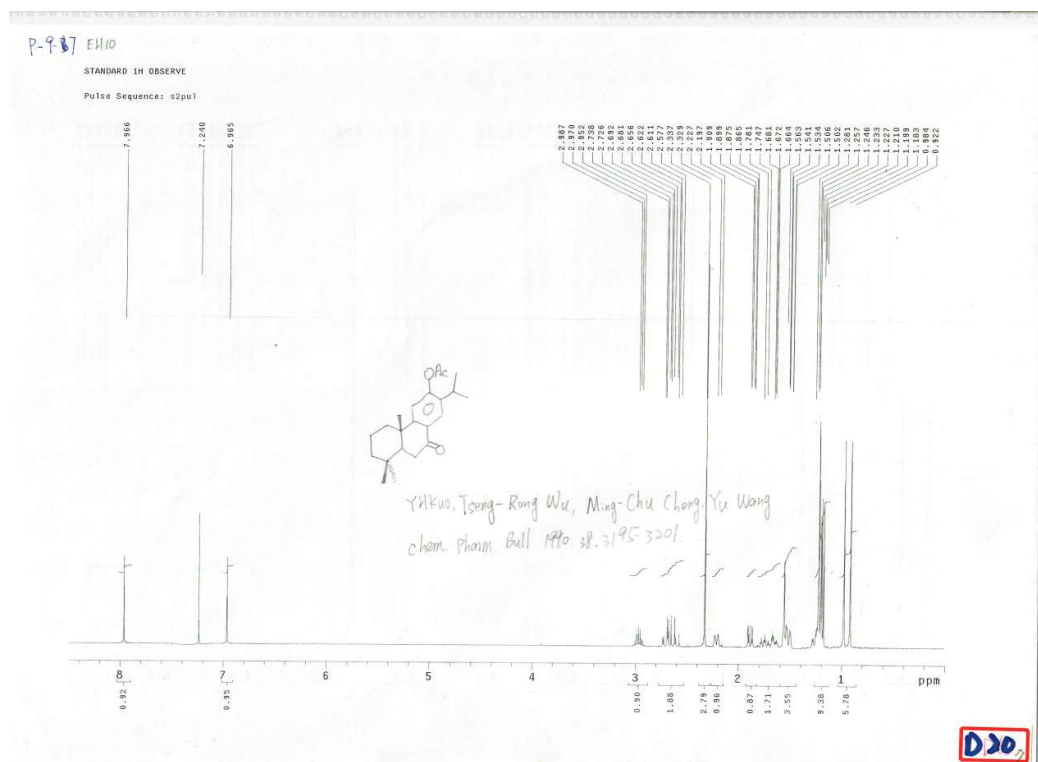


Figure S31. <sup>1</sup>H-NMR spectrum of compound 7 in CDCl<sub>3</sub>.

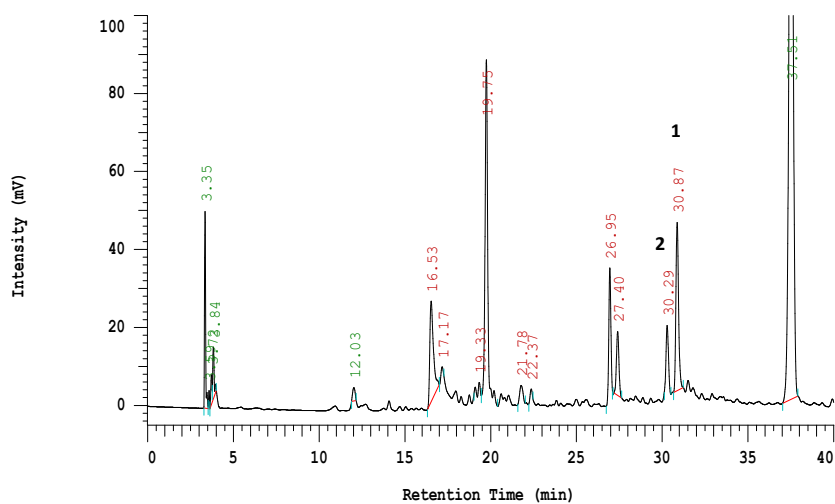


Figure S32. HPLC separation chromatogram of compounds 1 and 2.