

Supplementary Materials: Cytotoxic and Pro-apoptotic Effects of Cassane Diterpenoids from the Seeds of *Caesalpinia sappan* in Cancer Cells

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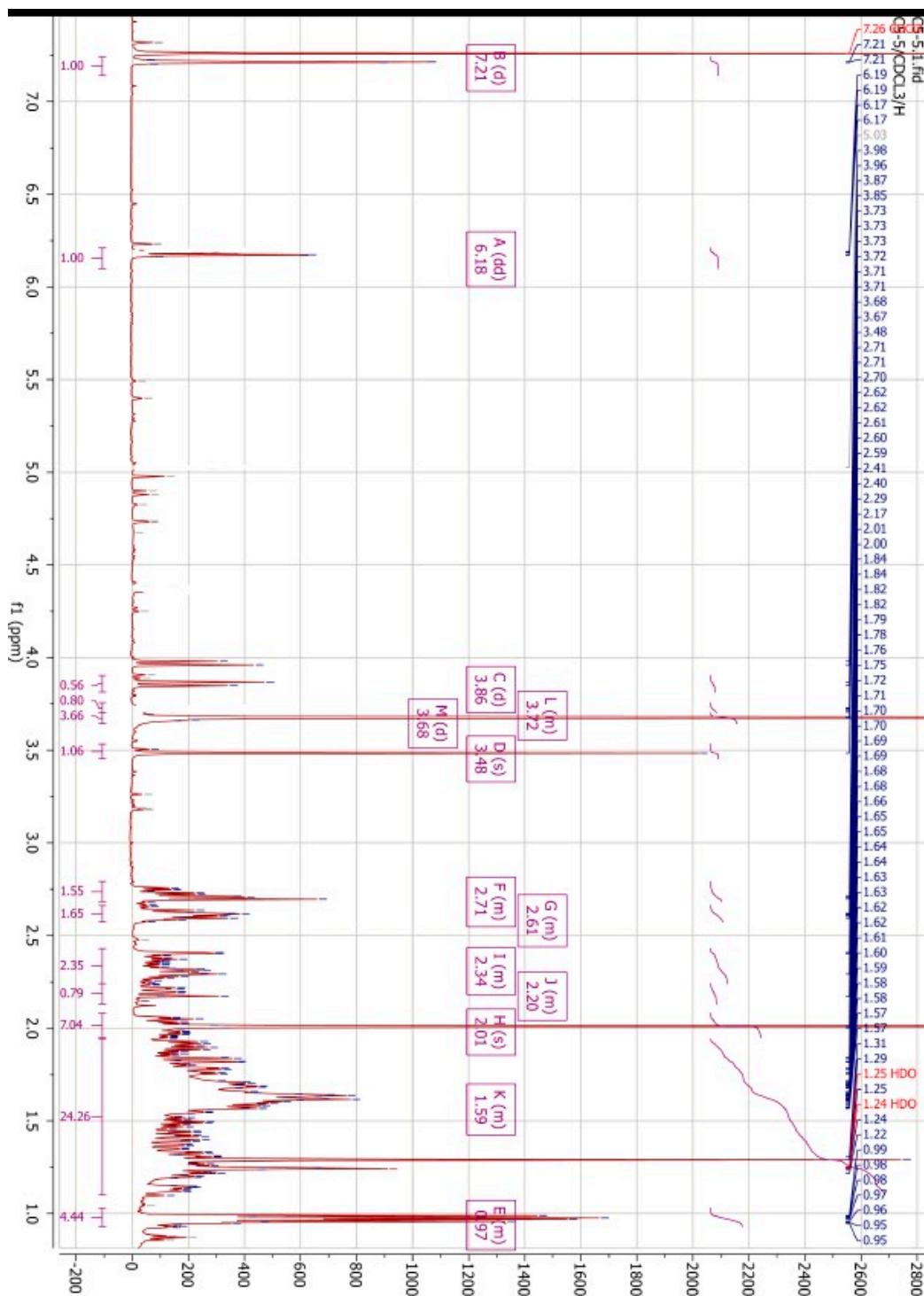


Figure S1. ^1H -NMR spectrum (600 MHz, CDCl_3) of phanginin R (**1**).

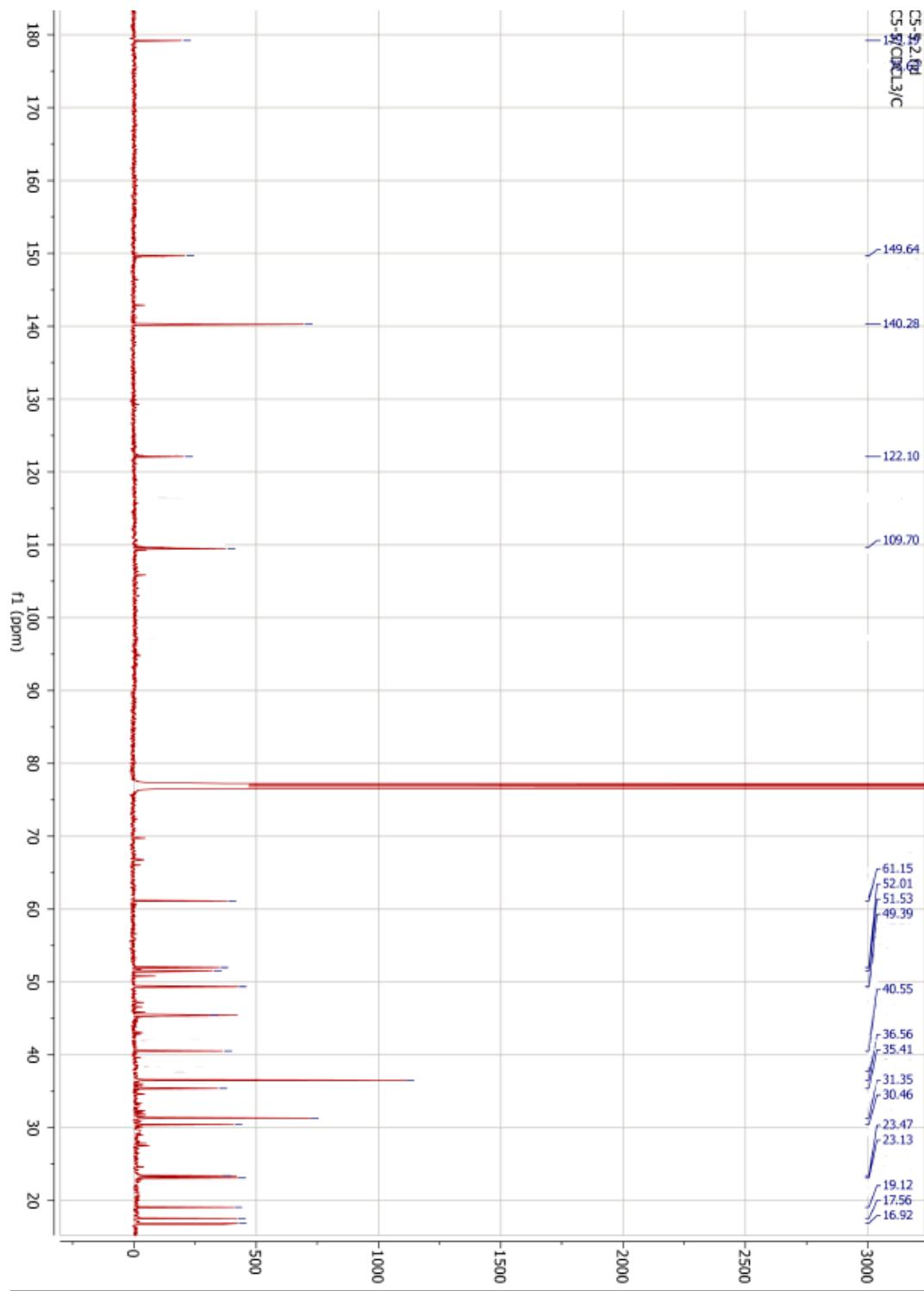


Figure S2. ¹³C-NMR spectrum (125 MHz, CDCl₃) of phanginin R (**1**).

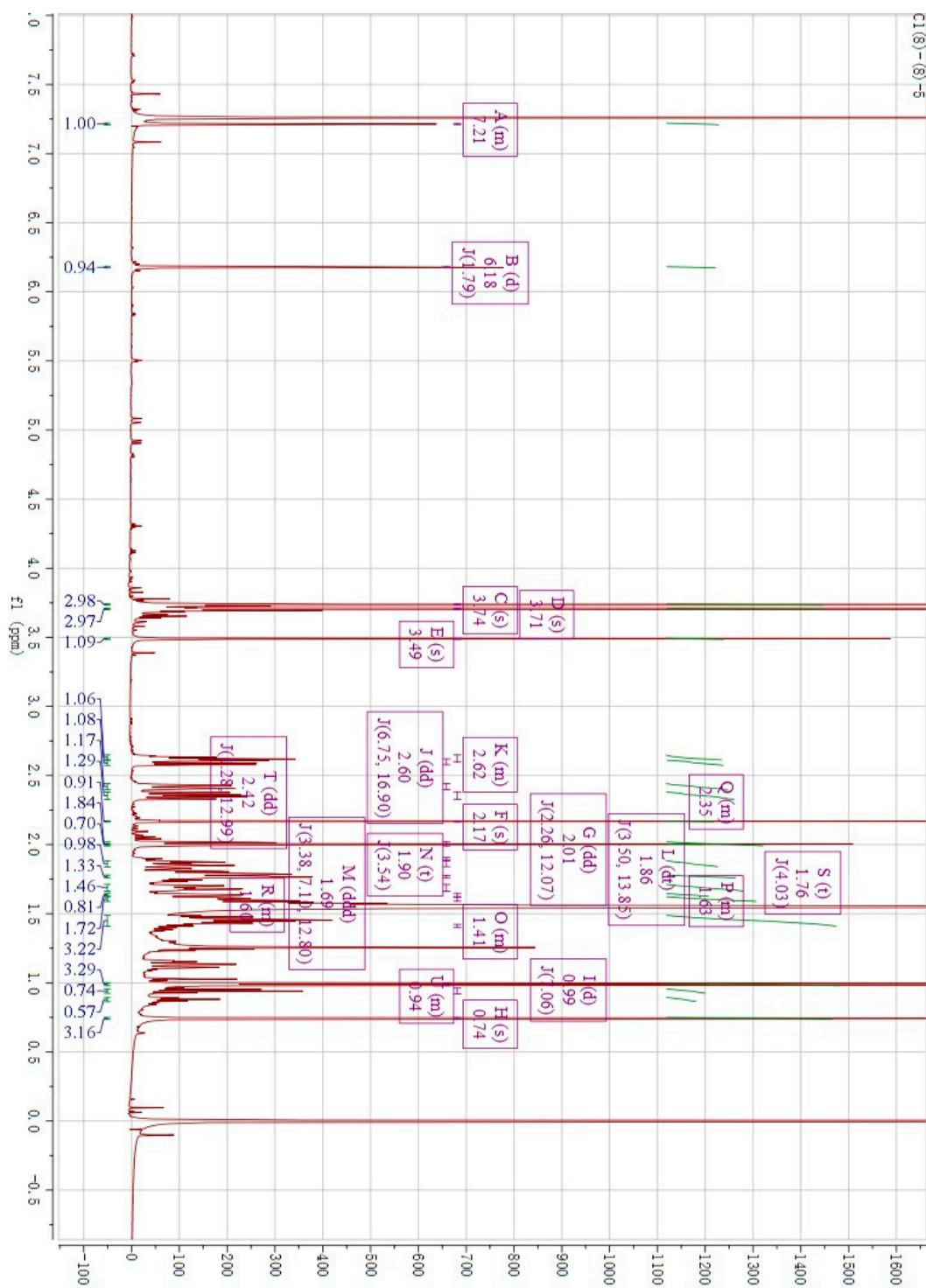


Figure S3. ^1H -NMR spectrum (600 MHz, CDCl_3) of phanginin S (**2**).

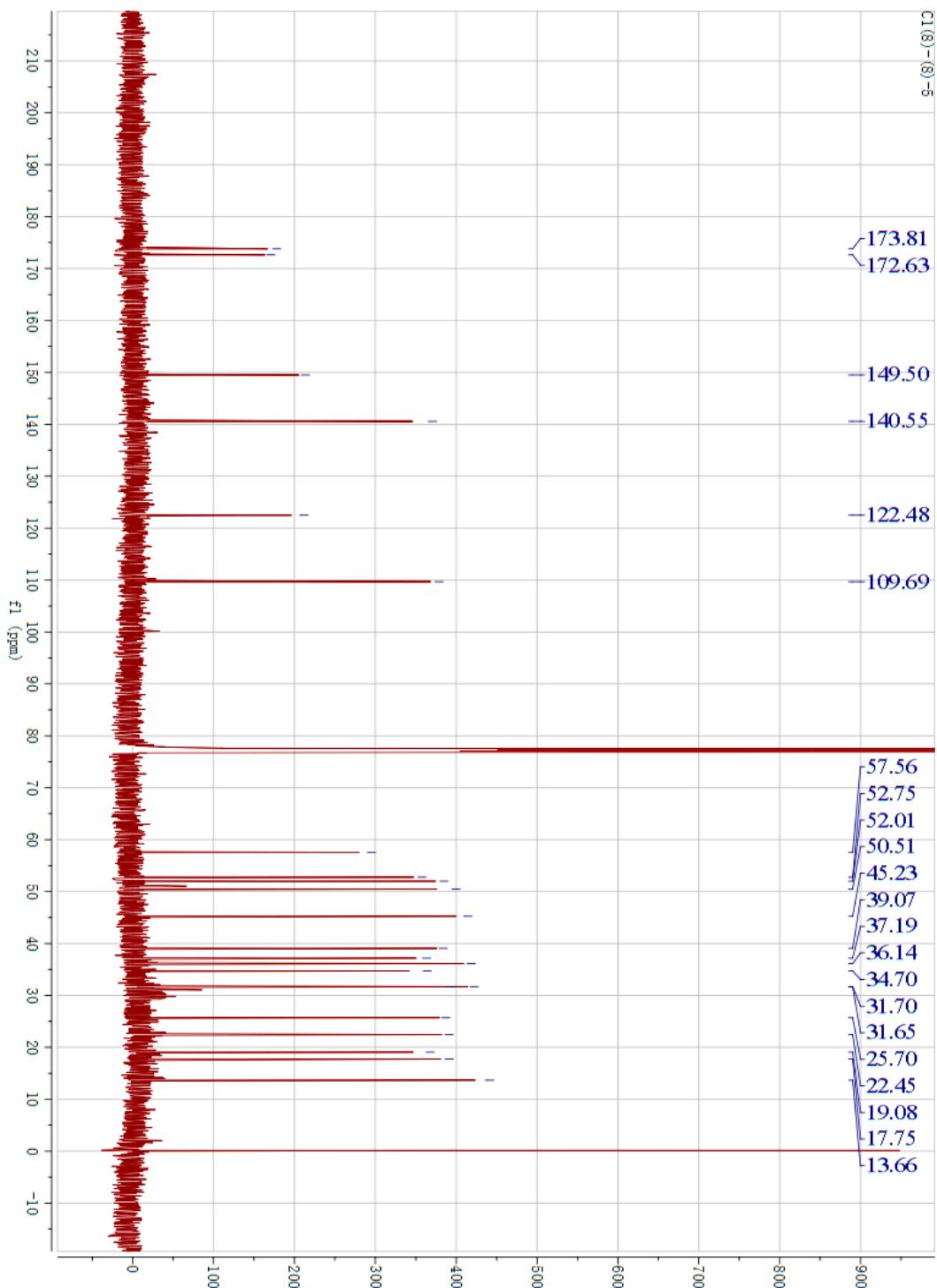


Figure S4. ¹³C-NMR spectrum (125 MHz, CDCl₃) of phanginin S (2).

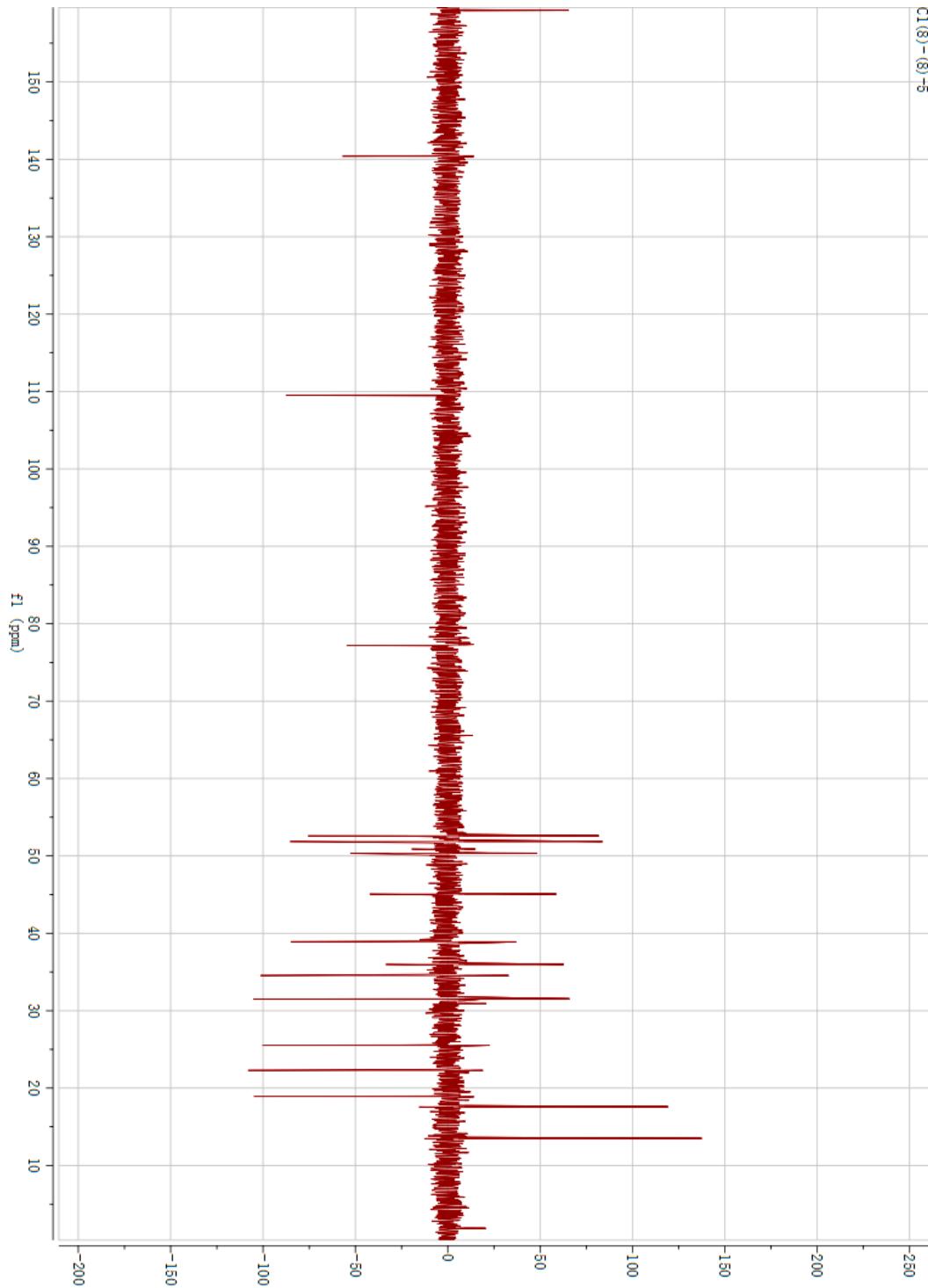


Figure S5. DEPT-135 spectrum (125 MHz, CDCl_3) of phanginin S (2).

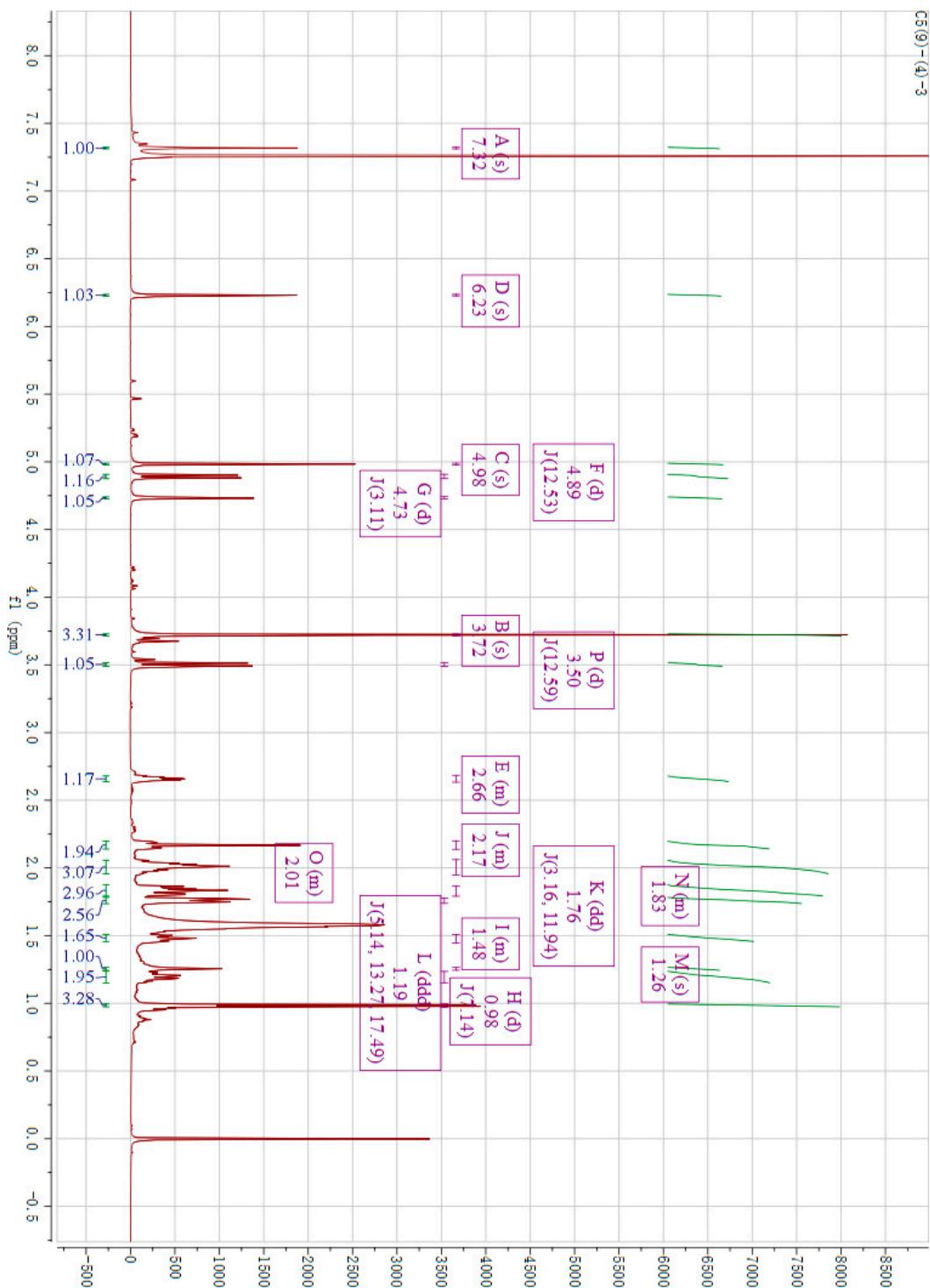


Figure S6. ^1H -NMR spectrum (600 MHz, CDCl_3) of phanginin T (**3**).

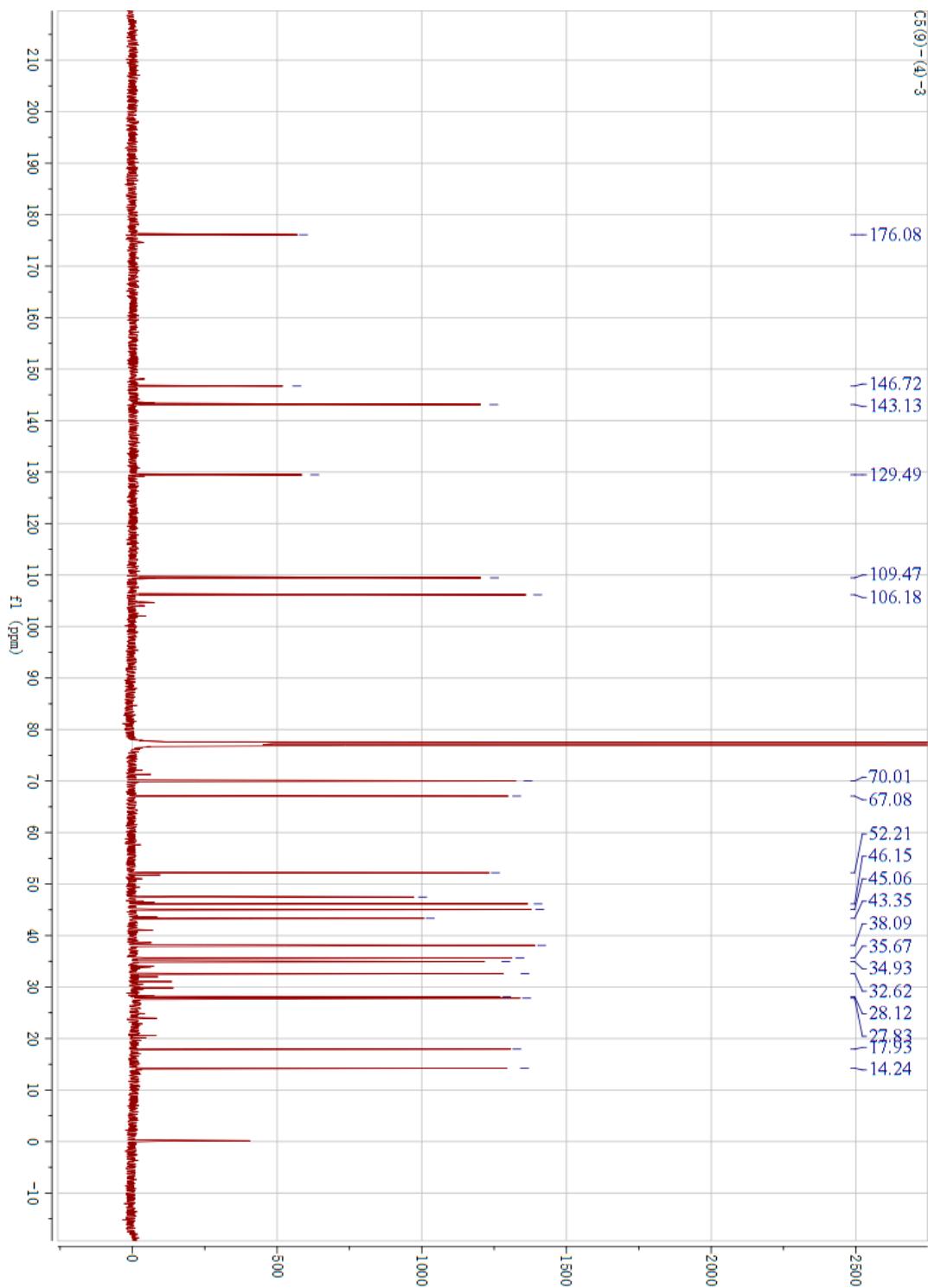


Figure S7. ^{13}C -NMR spectrum (125 MHz, CDCl_3) of phanginin T (3).

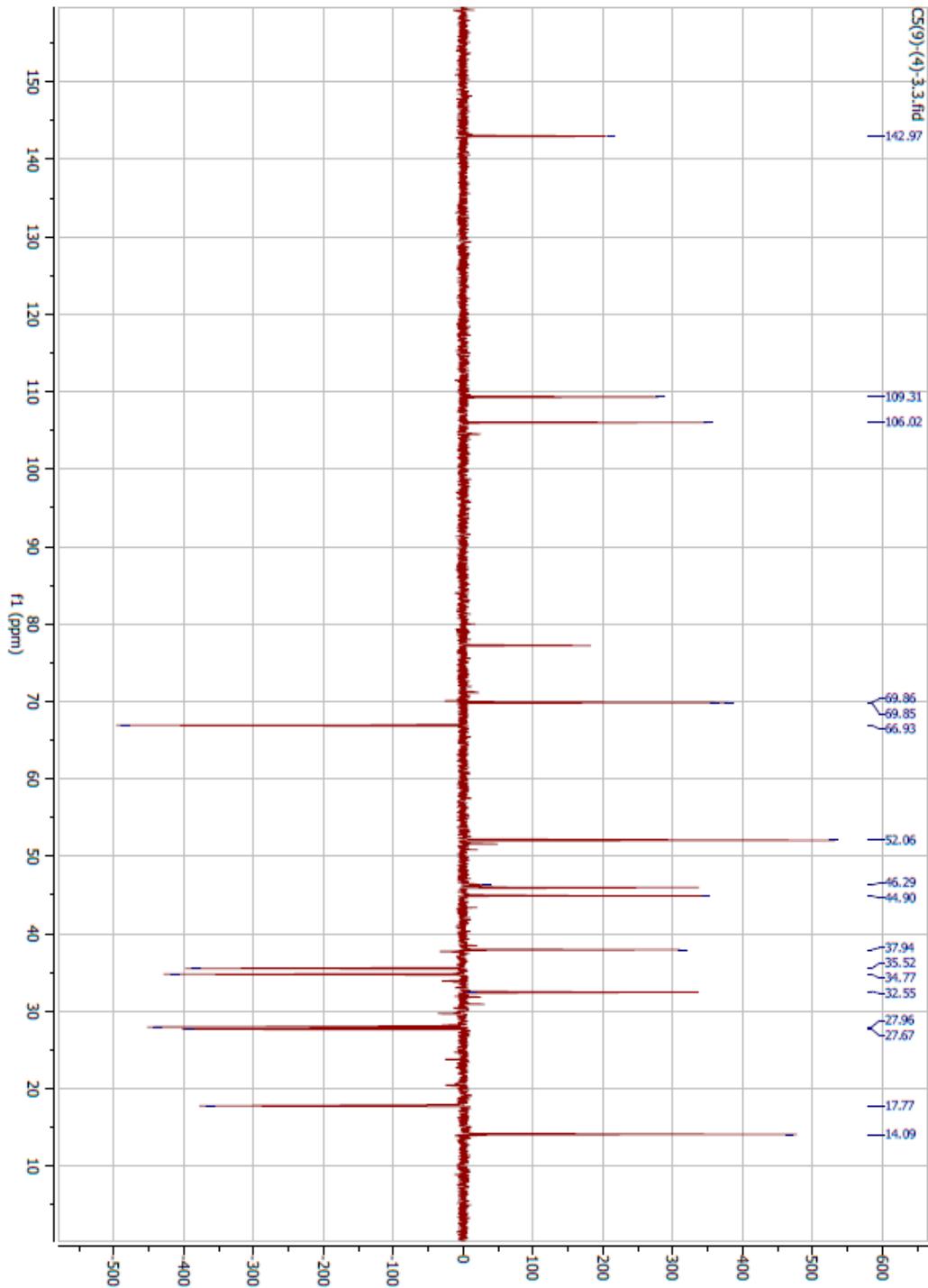


Figure S8. DEPT-135 spectrum (125 MHz, CDCl_3) of phanginin T (3).

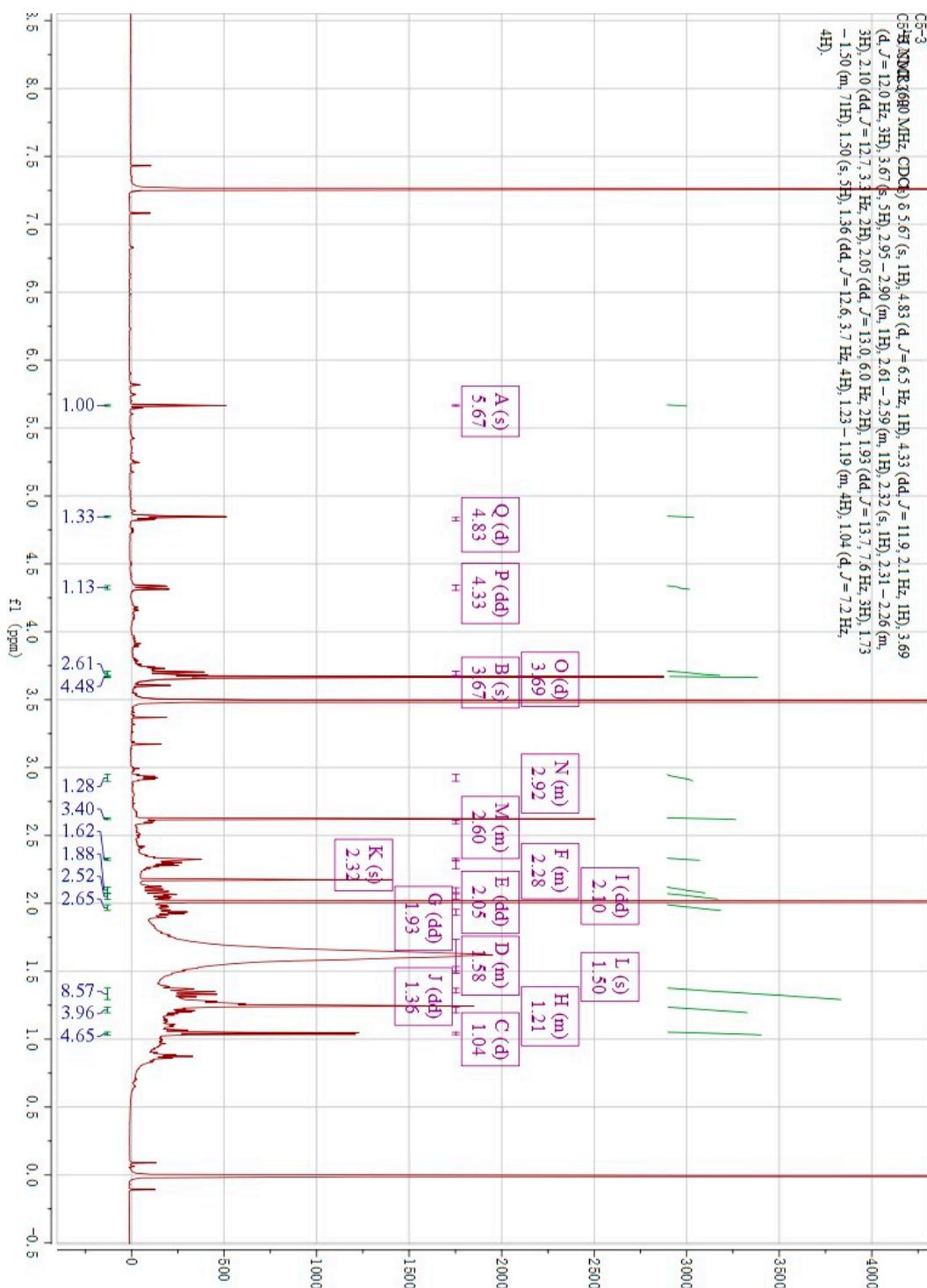


Figure S9. ¹H-NMR spectrum (600 MHz, CDCl₃) of caesalsappanin M (4).

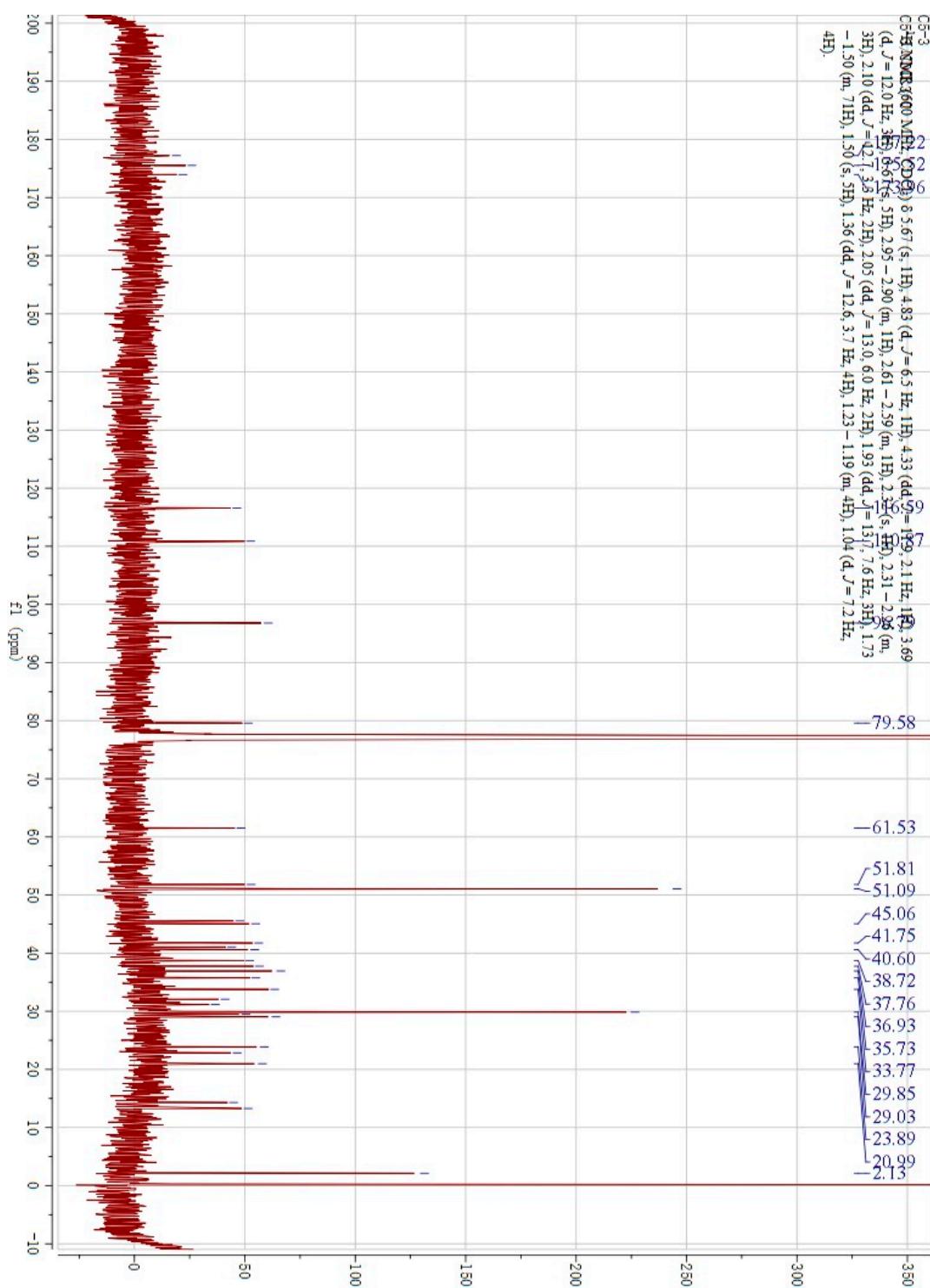


Figure S10. ^{13}C -NMR spectrum (125 MHz, CDCl_3) of caesalsappanin M (4).

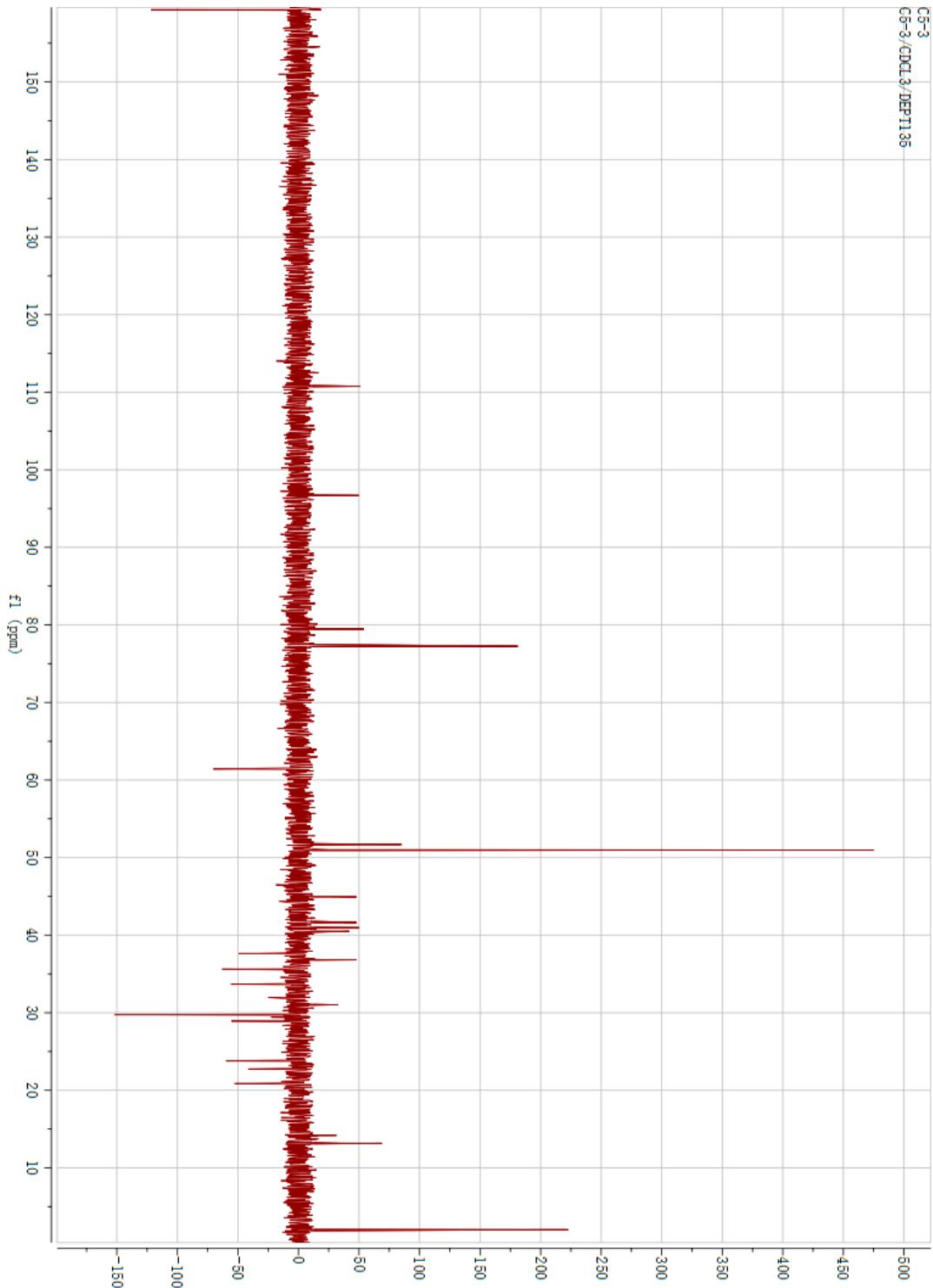


Figure S11. DEPT-135 spectrum (125 MHz, CDCl₃) of caesalsappanin M (4).

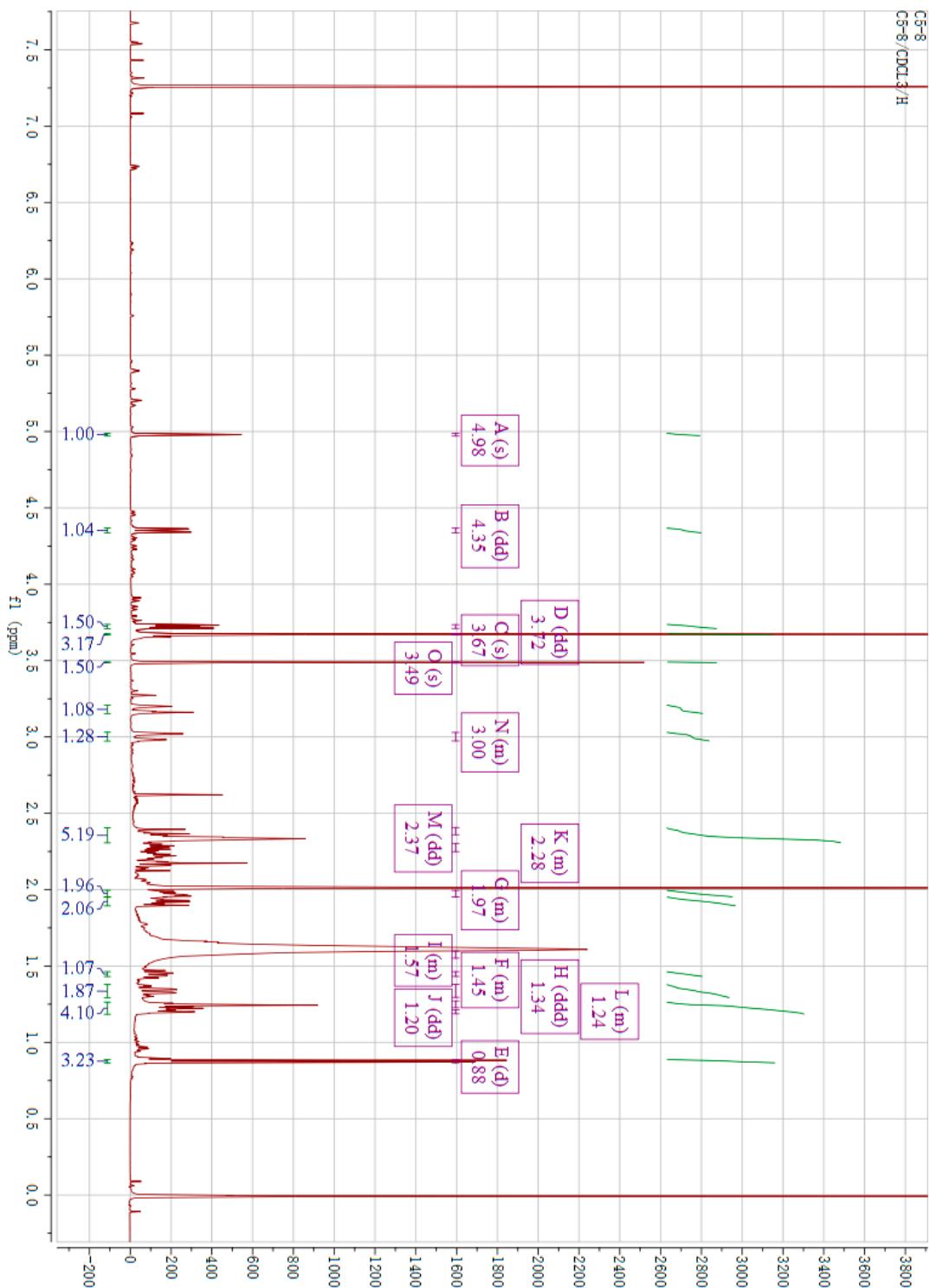


Figure S12. ^1H -NMR spectrum (600 MHz, CDCl_3) of caesalsappanin N (**5**).

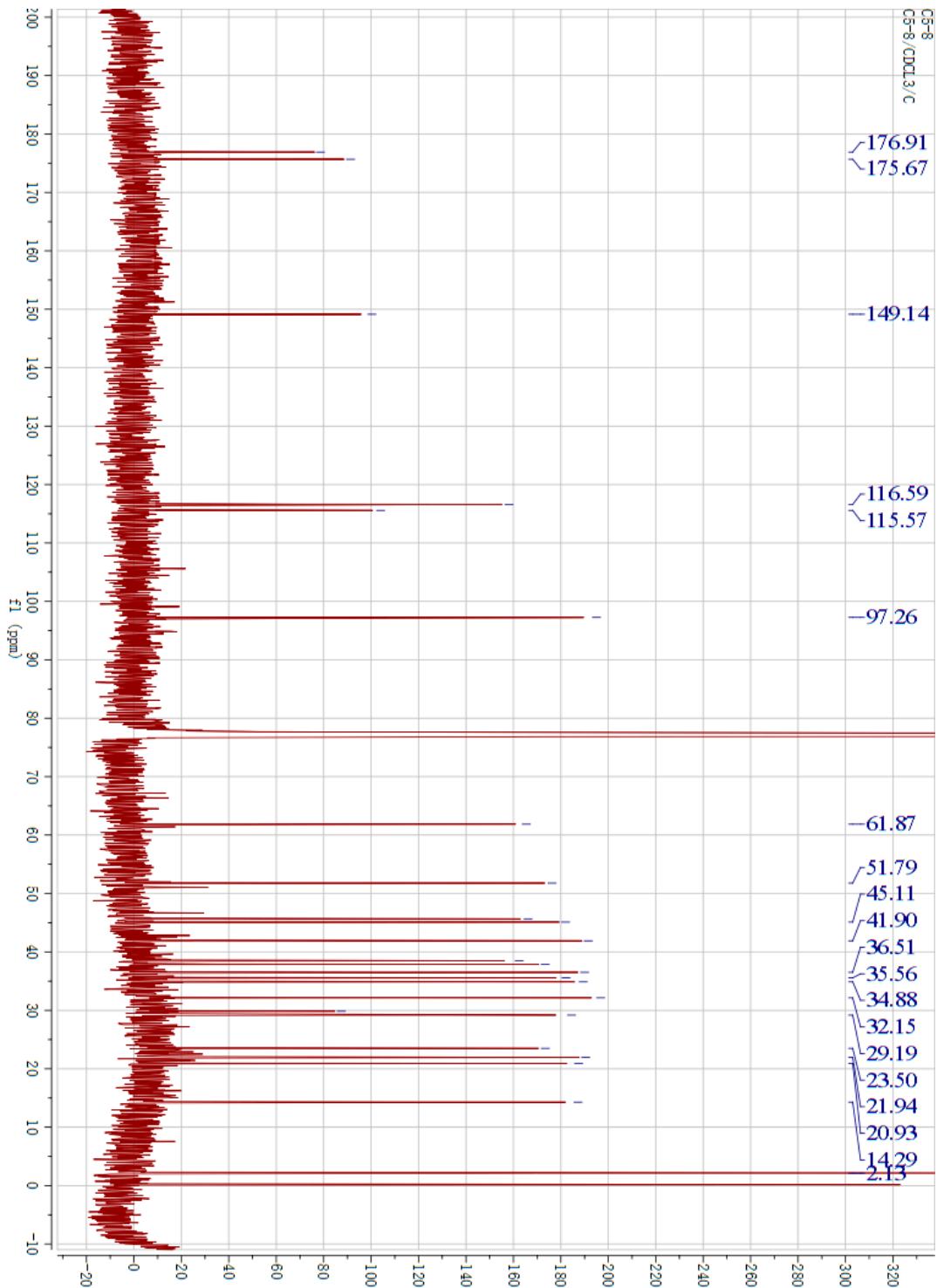


Figure S13. ^{13}C -NMR spectrum (125 MHz, CDCl_3) of caesalsappanin N (5).

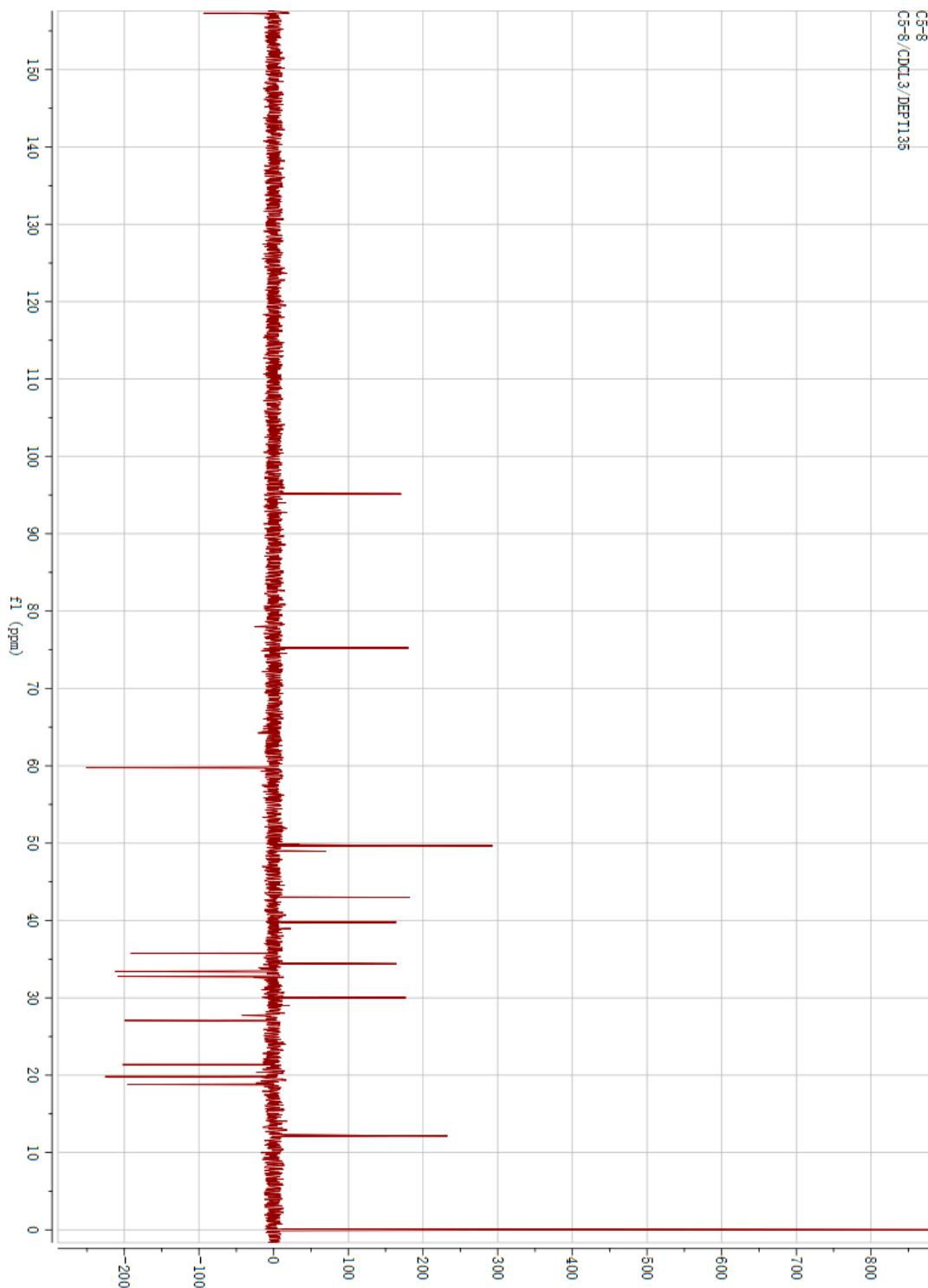


Figure S14. DEPT-135 spectrum (125 MHz, CDCl₃) of caesalsappanin N (5).

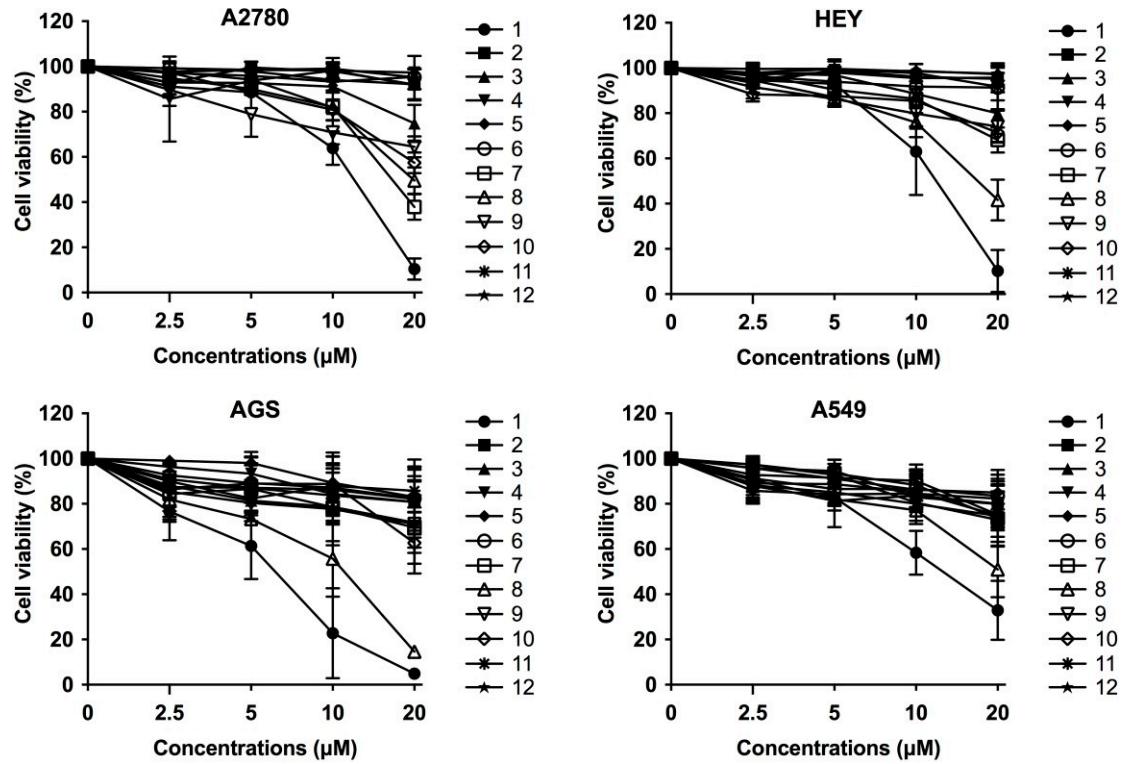


Figure S15. Concentration-response curve of A2780, HEY, AGS and A549 cells incubated with twelve compounds. Cells were treated with indicated concentrations of the compounds for 48 h and the cell viability was detected by MTT assay.