Supplementary material

Diterpenoids from the Brown Alga *Rugulopteryx okamurae* and their Anti-inflammatory Activity

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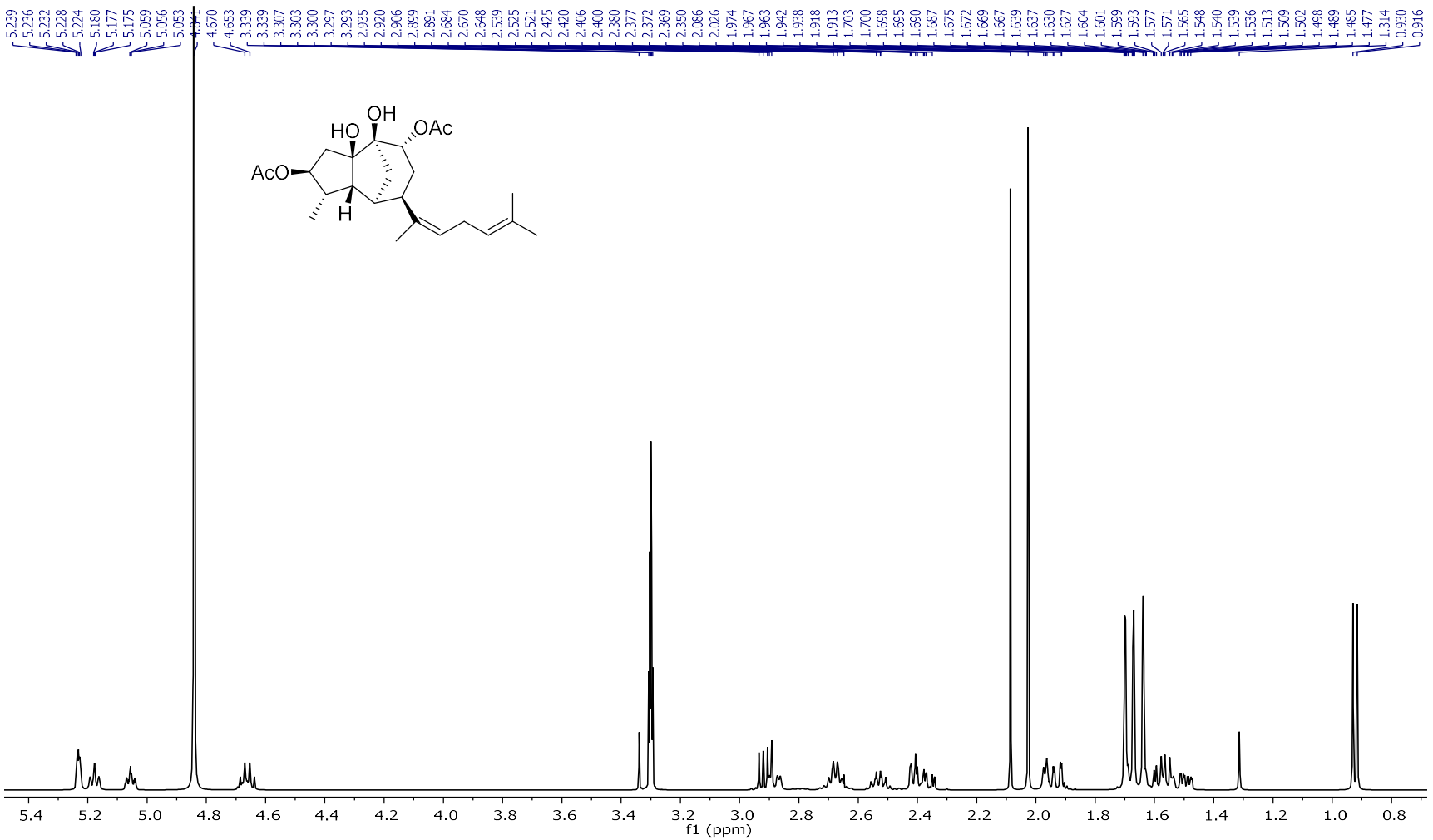

Figure S1. ^{1}H NMR spectrum (500 MHz, CD_3OD) of rugukadiol A (**1**)

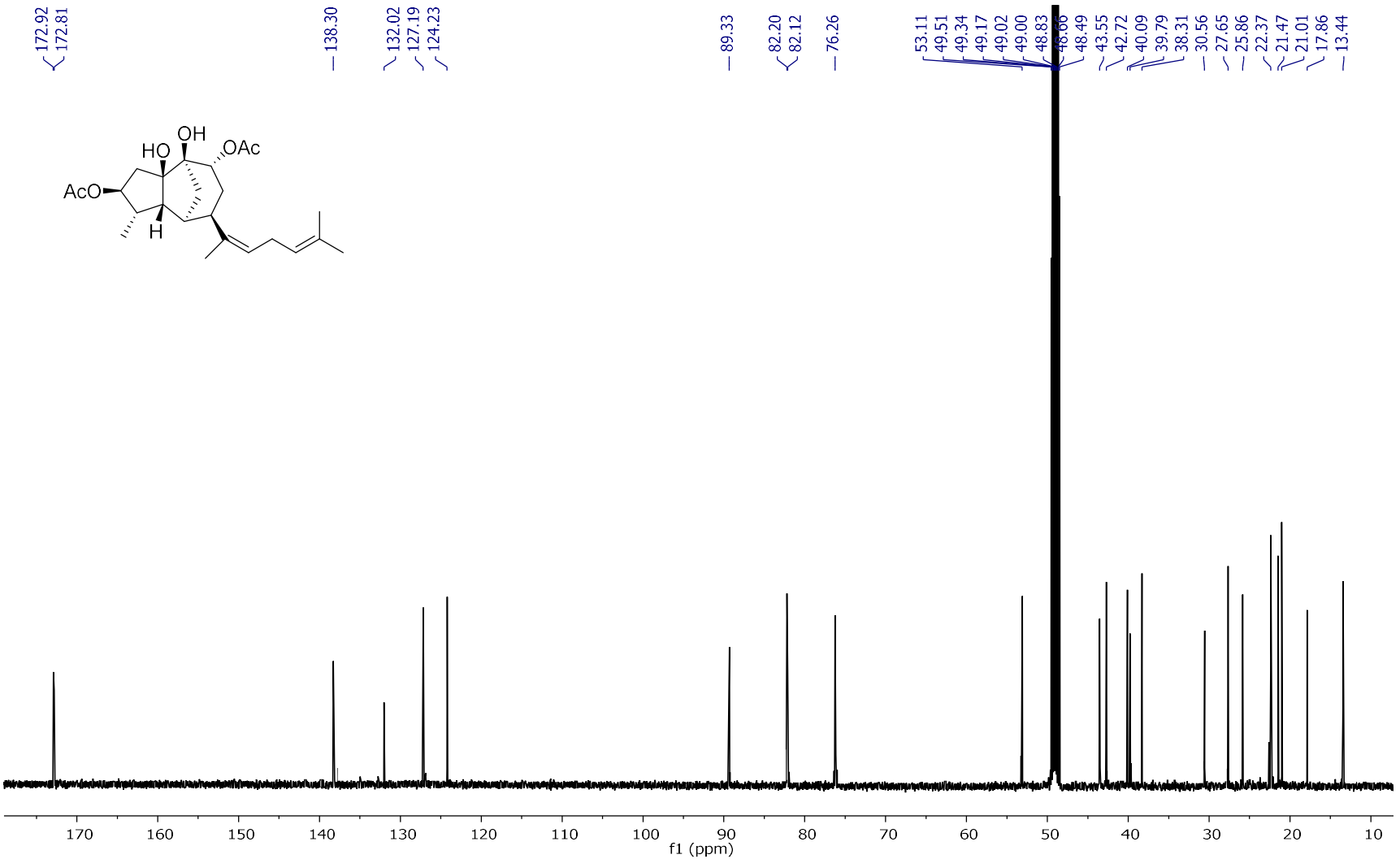

Figure S2. ^{13}C NMR spectrum (125 MHz, CD_3OD) of rugukadiol A (**1**)

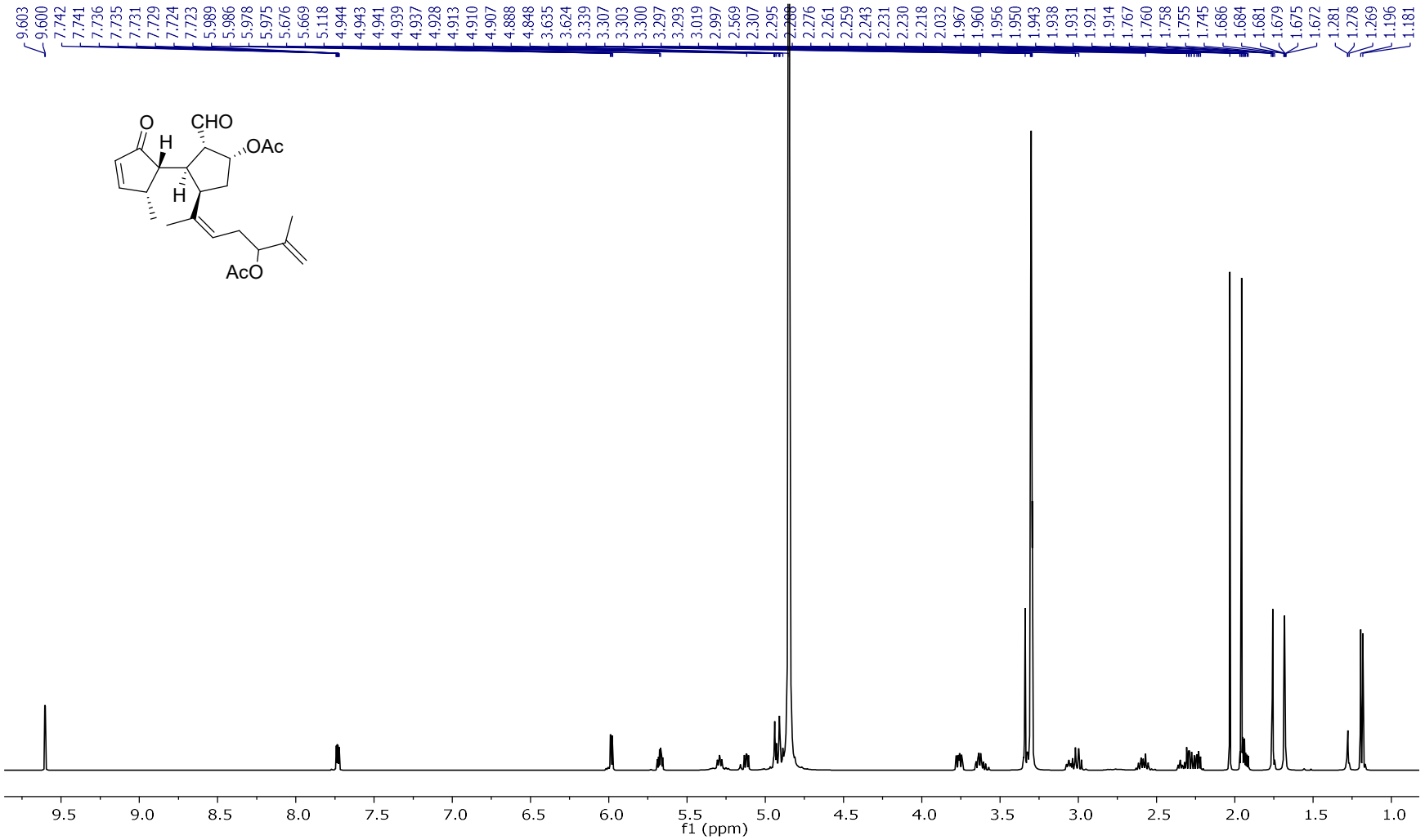

Figure S3. ^{1}H NMR spectrum (500 MHz, CD_3OD) of rugukamural A (**2**)

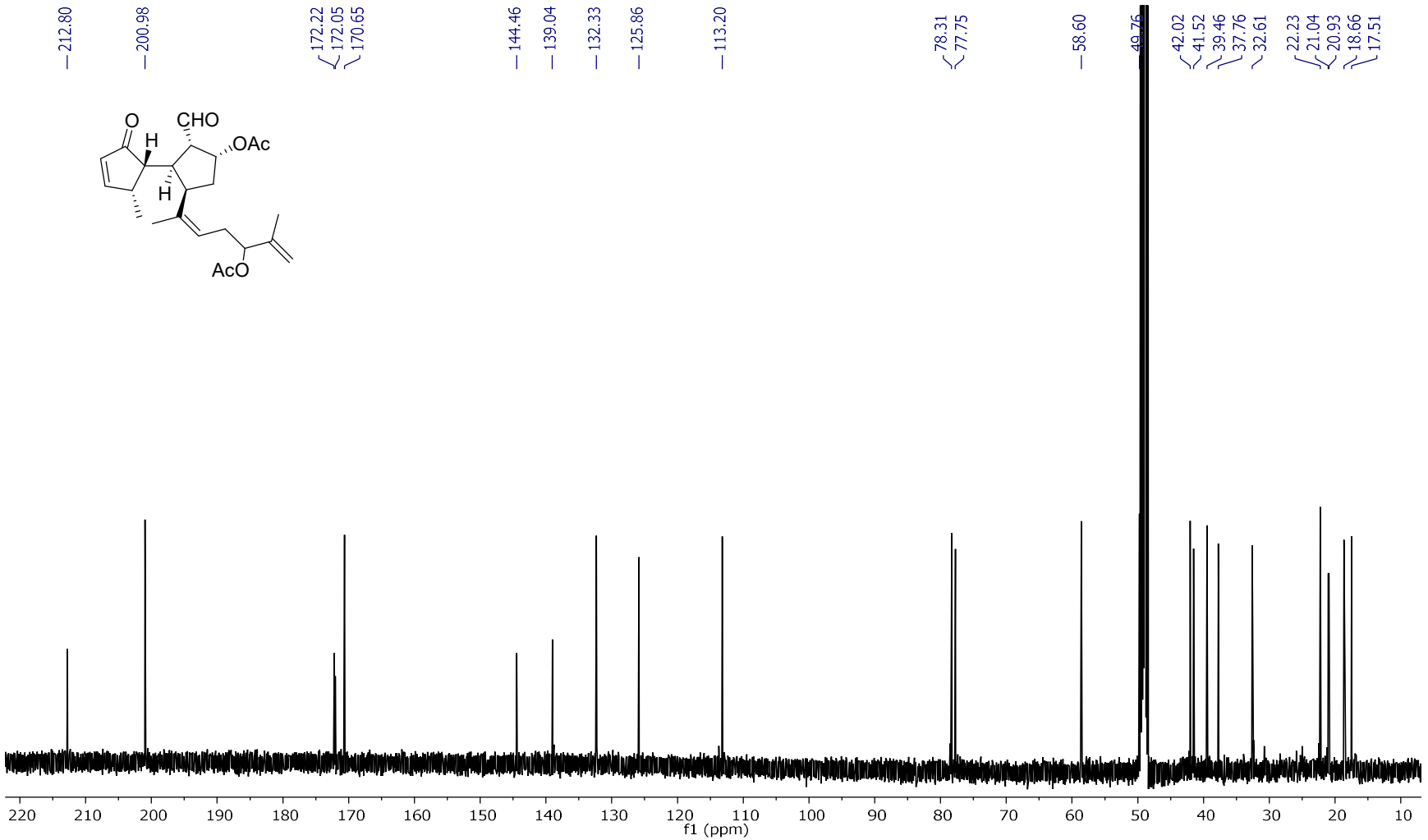

Figure S4. ^{13}C NMR spectrum (125 MHz, CD_3OD) of rugukamural A (**2**)

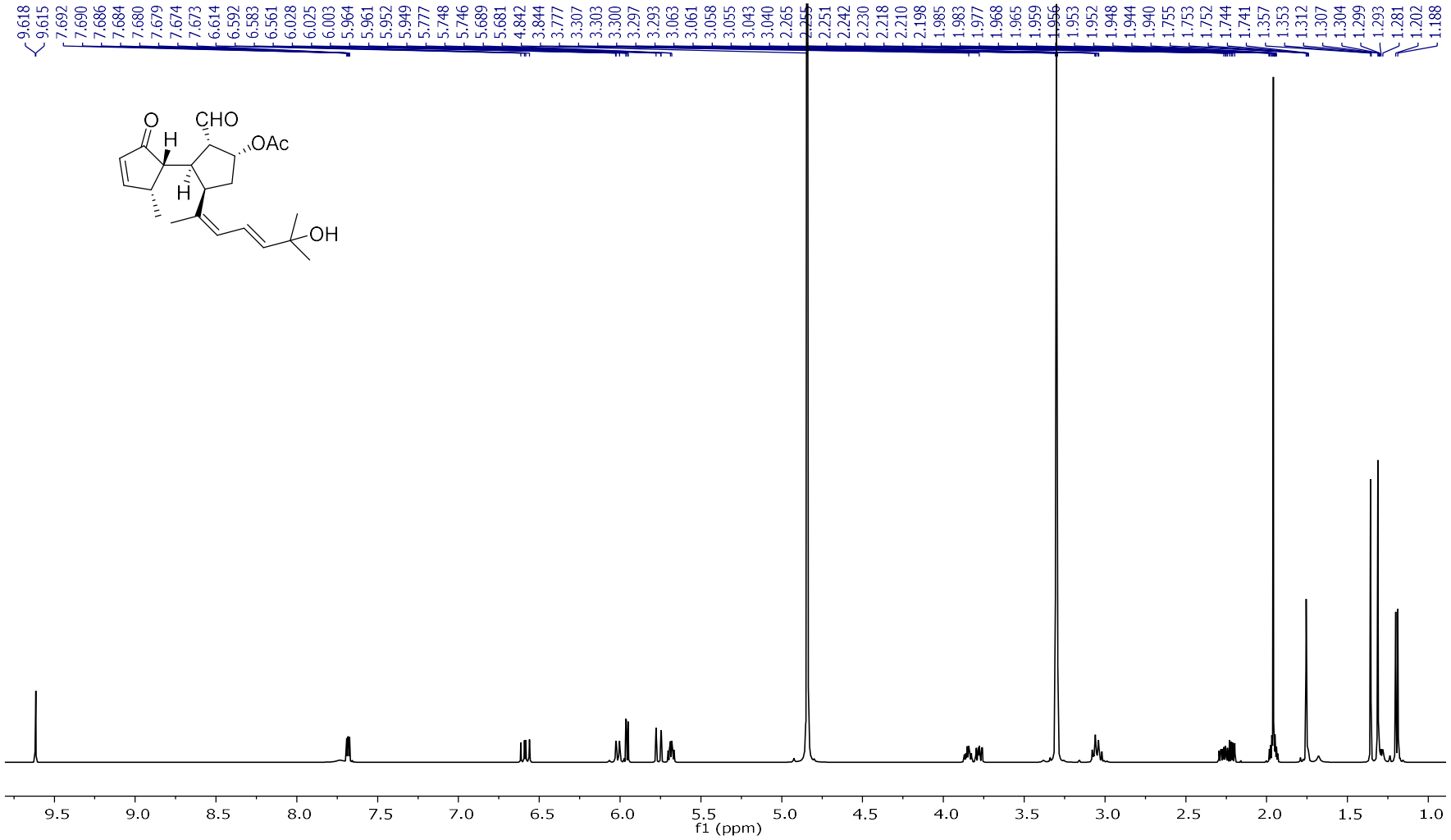

Figure S5. ^{1}H NMR spectrum (500 MHz, CD_3OD) of rugukamural B (**3**)

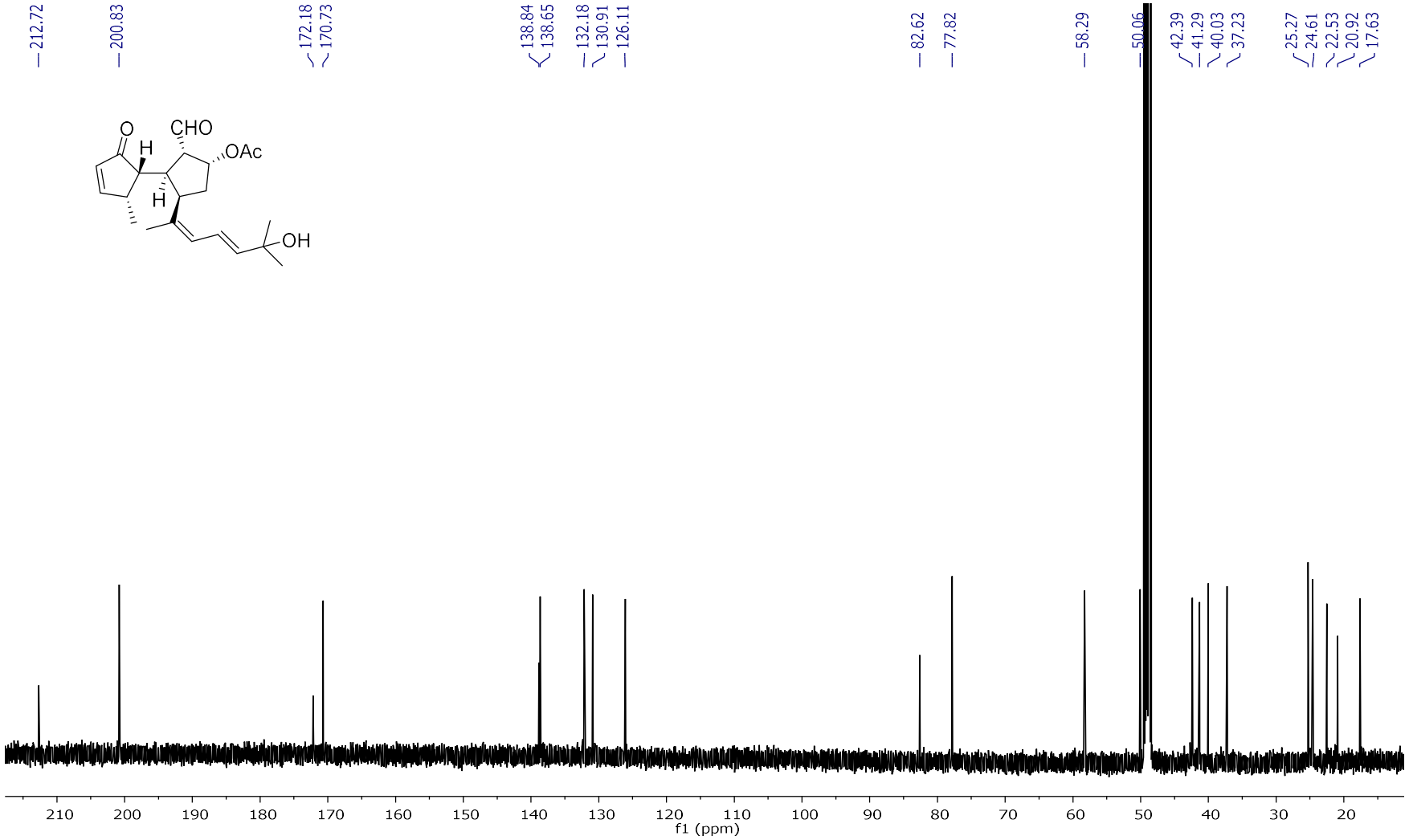

Figure S6. ^{13}C NMR spectrum (125 MHz, CD_3OD) of rugukamural B (**3**)

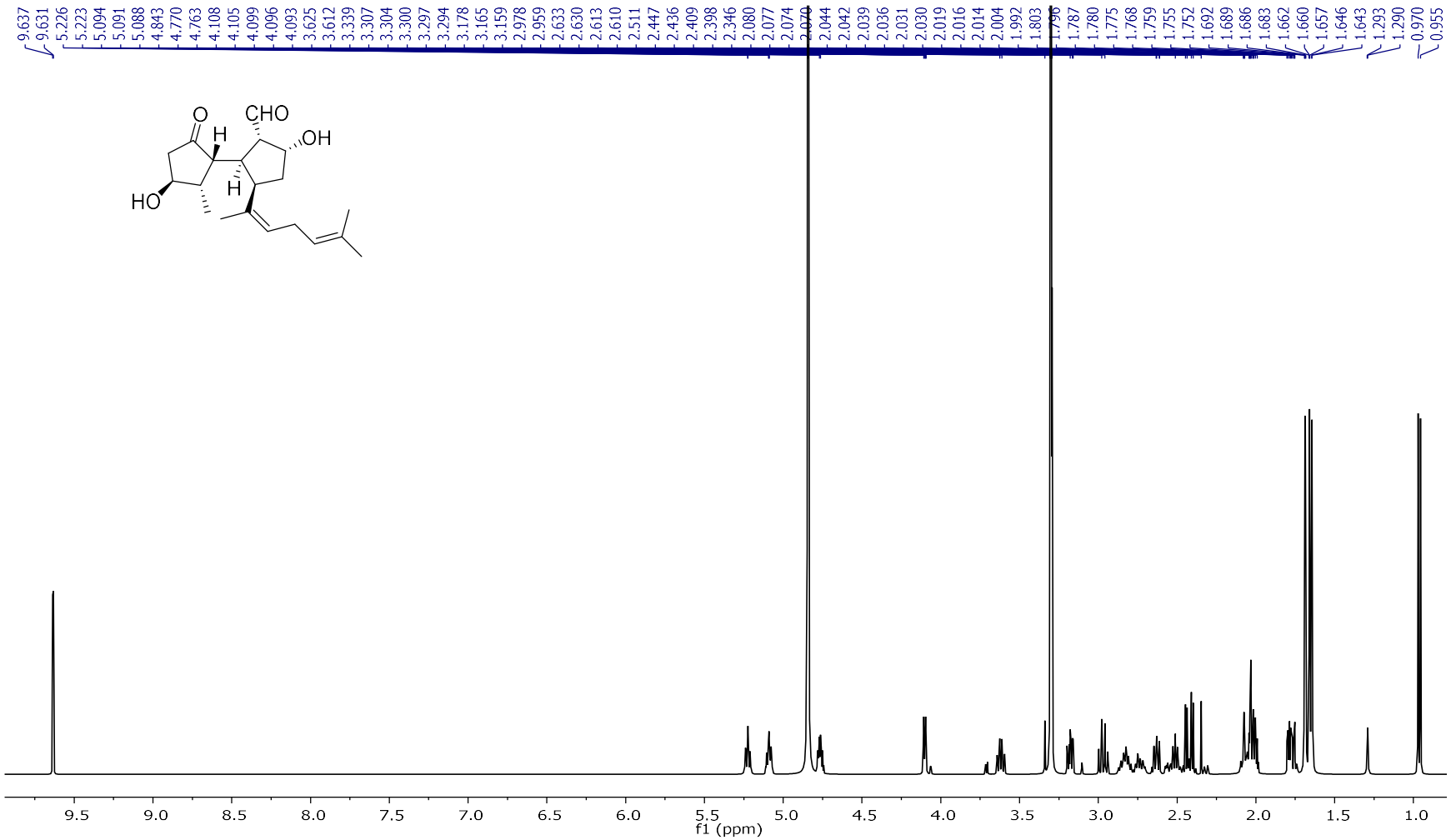

Figure S7. ^{1}H NMR spectrum (500 MHz, CD_3OD) of rugukamural C (**4**)

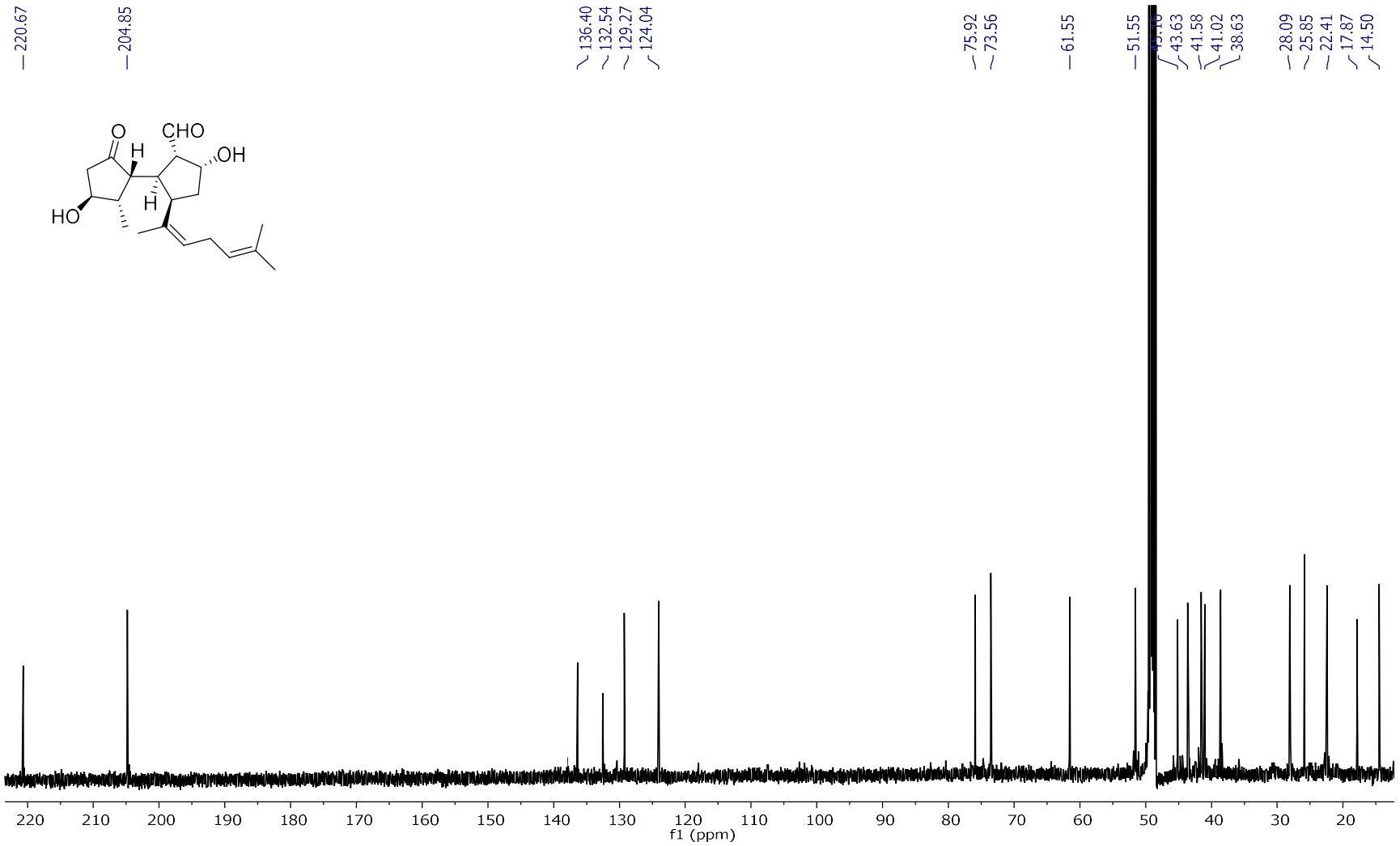

Figure S8. ^{13}C NMR spectrum (125 MHz, CD_3OD) of rugukamural C (**4**)

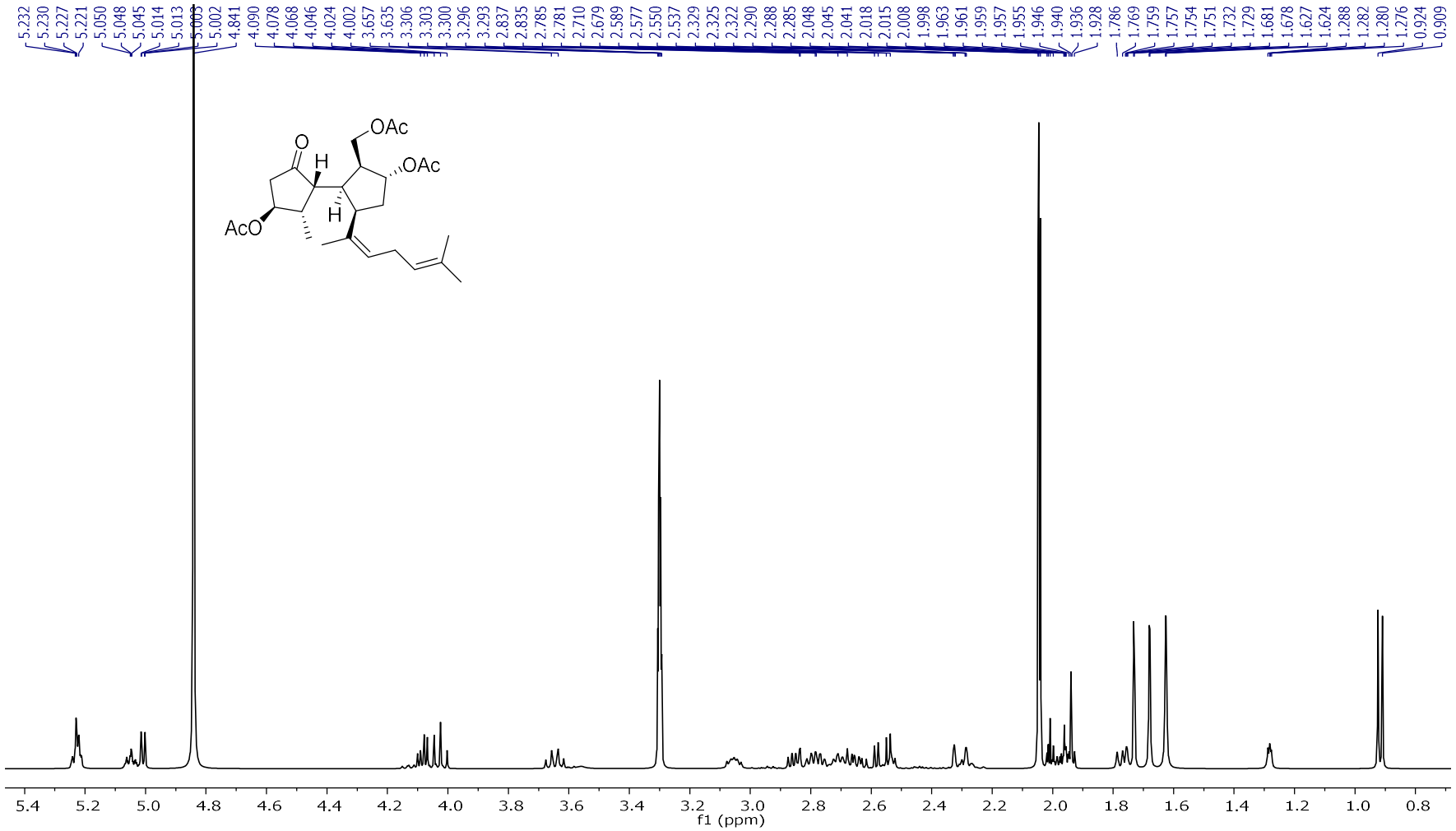

Figure S9. ^{1}H NMR spectrum (500 MHz, CD_3OD) of ruguloptone A (**5**)

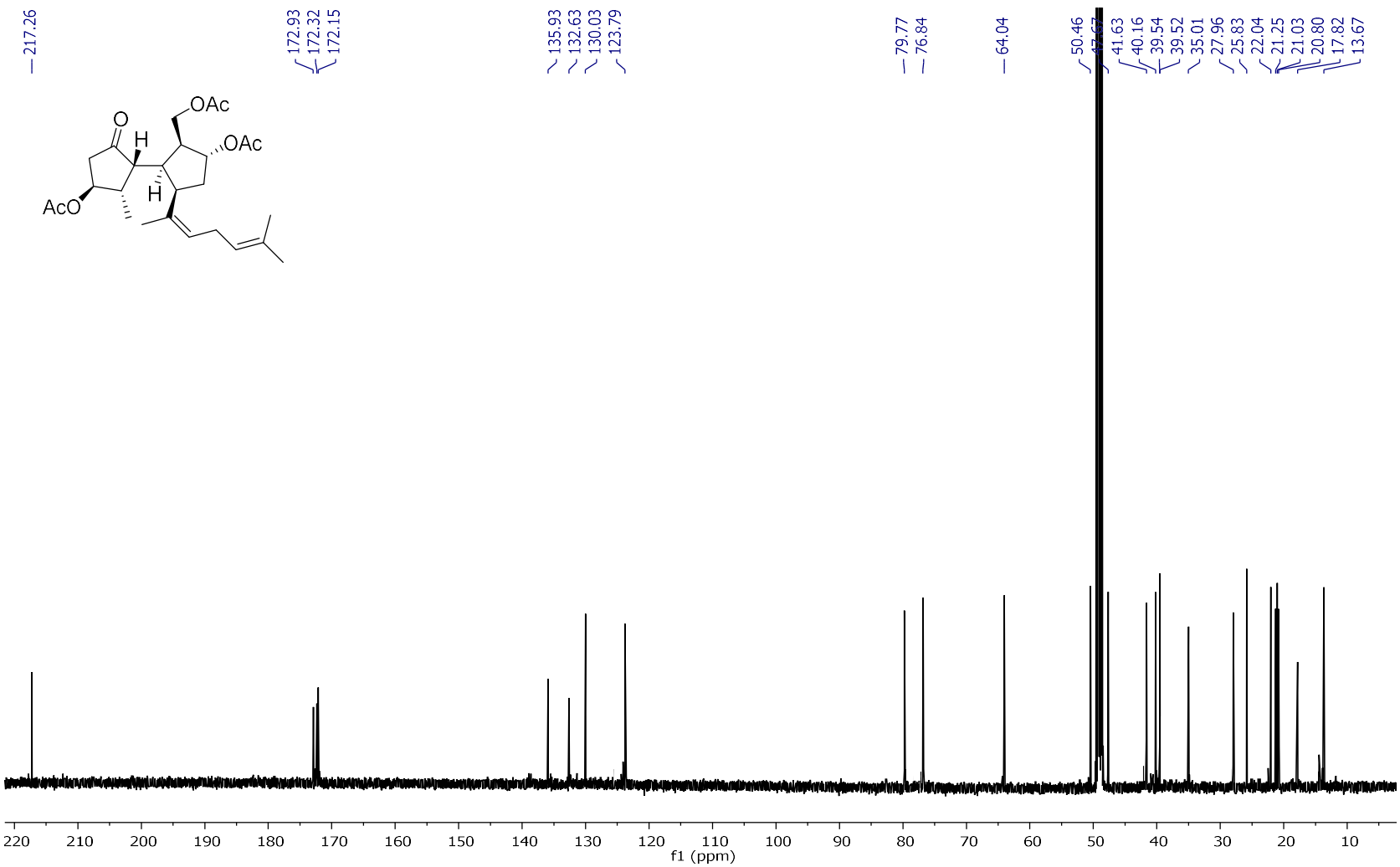

Figure S10. ^{13}C NMR spectrum (125 MHz, CD_3OD) of ruguloptone A (**5**)

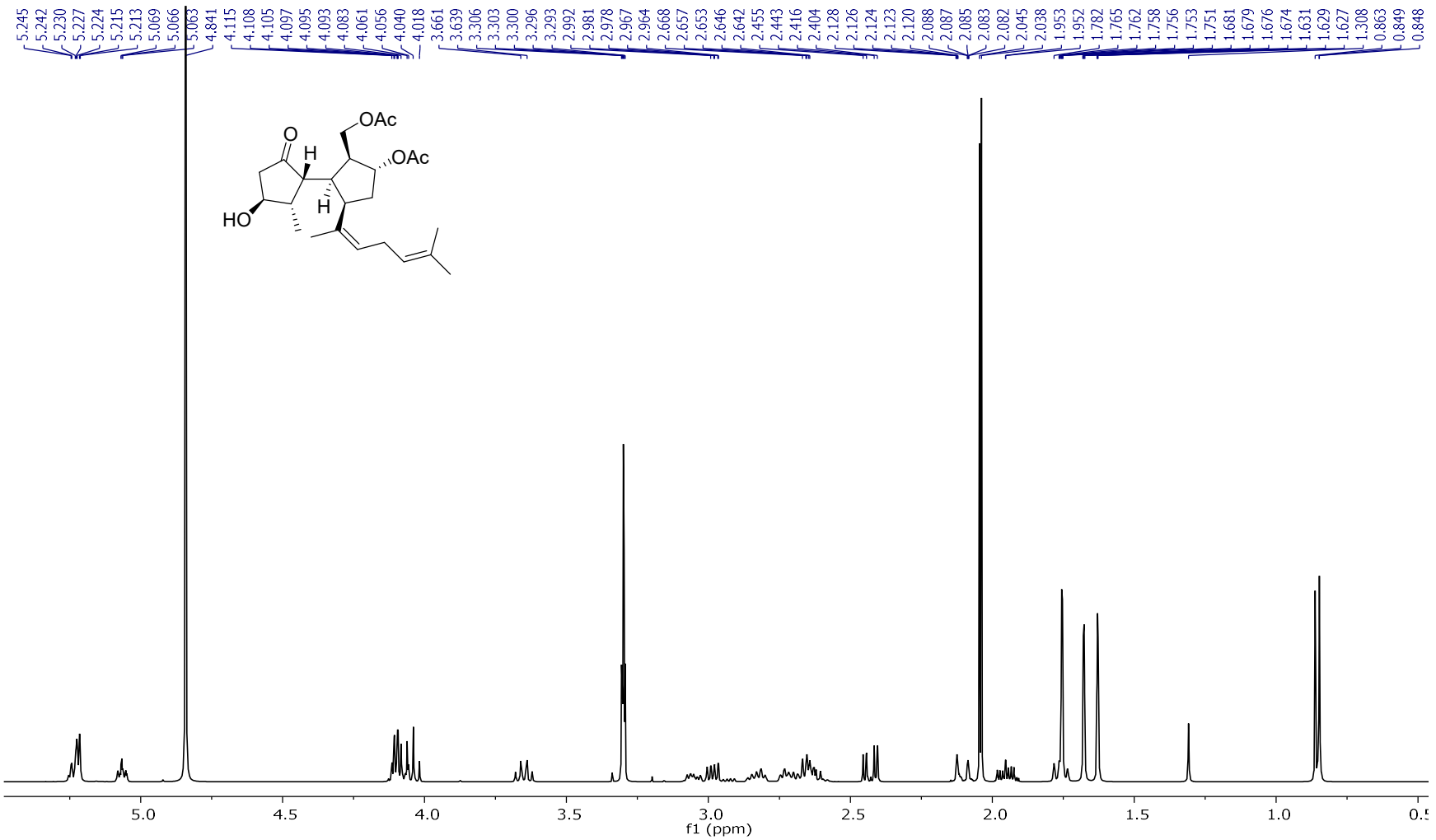

Figure S11. ^{1}H NMR spectrum (500 MHz, CD_3OD) of ruguloptone B (**6**)

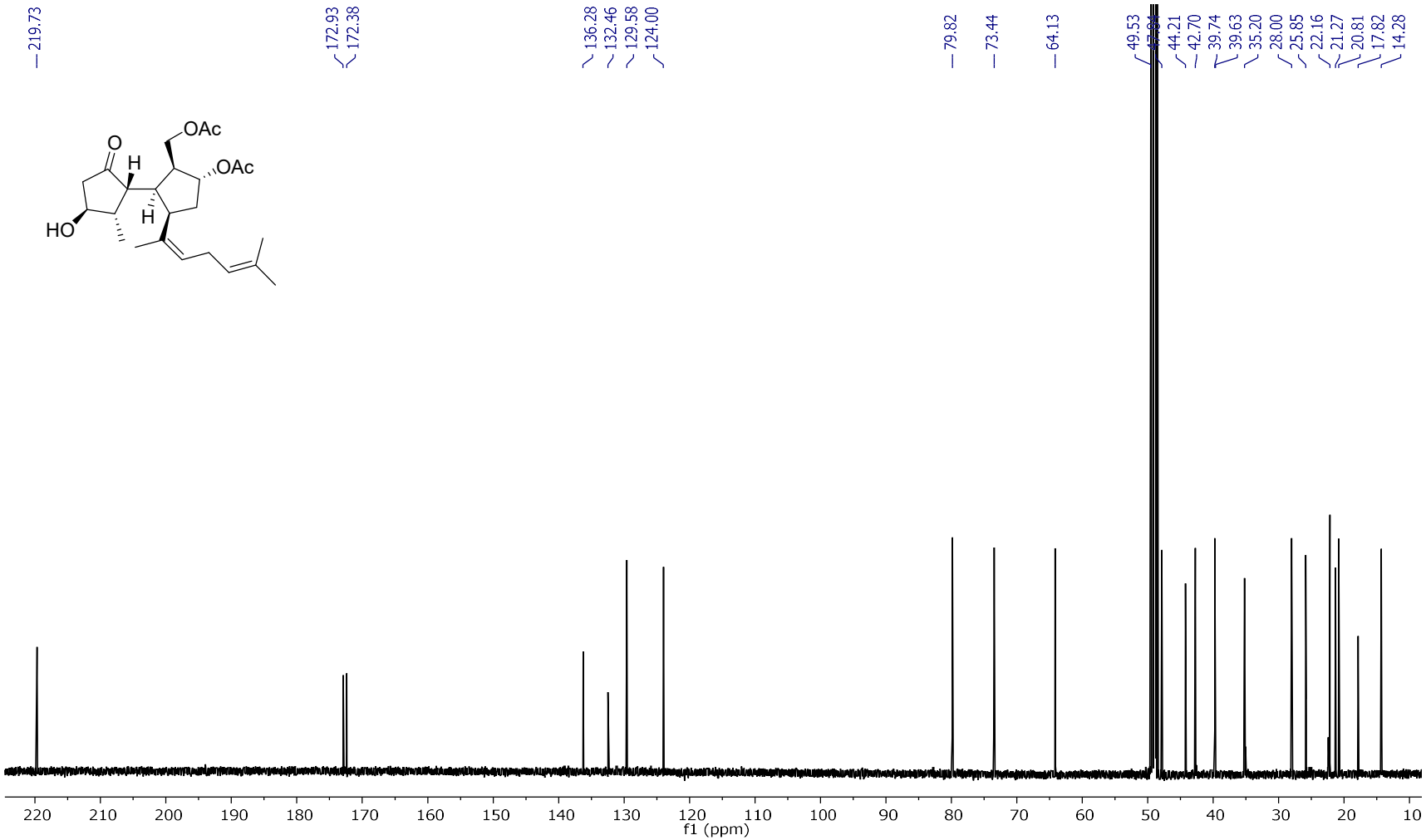

Figure S12. ^{13}C NMR spectrum (125 MHz, CD_3OD) of ruguloptone B (**6**)

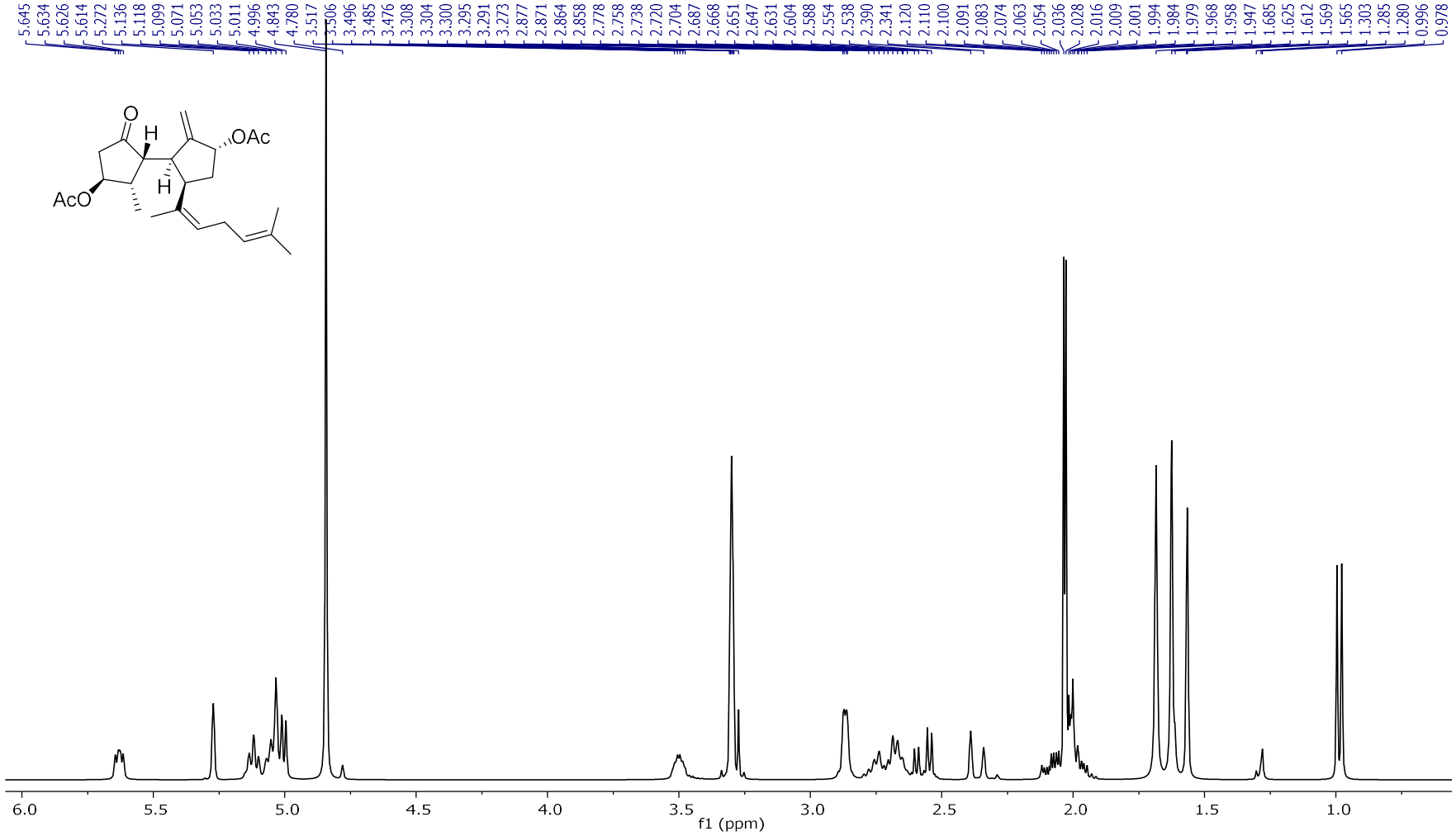

Figure S13. ^{1}H NMR spectrum (500 MHz, CD_3OD) of ruguloptone C (**7**)

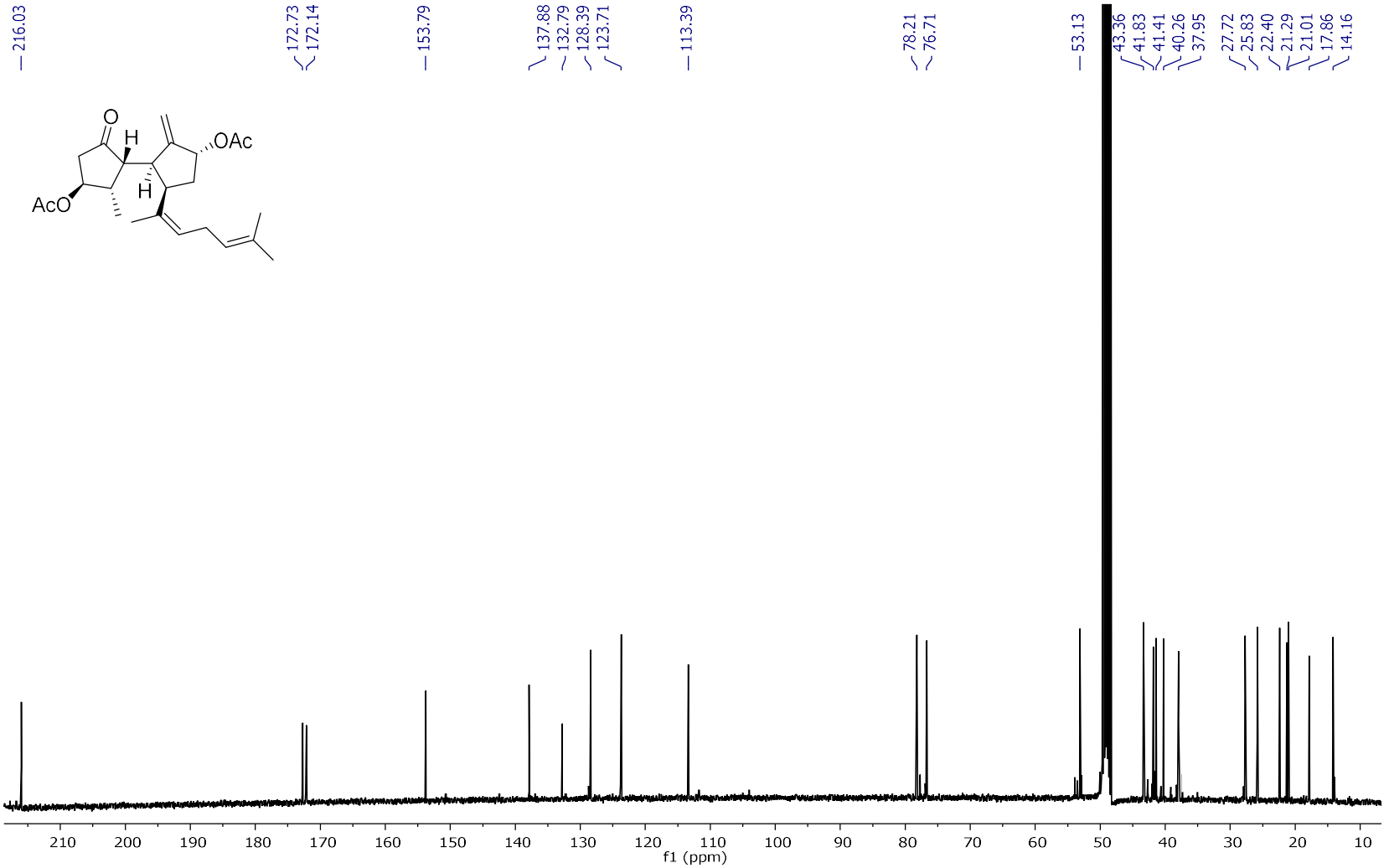

Figure S14. ^{13}C NMR spectrum (125 MHz, CD_3OD) of ruguloptone C (**7**)

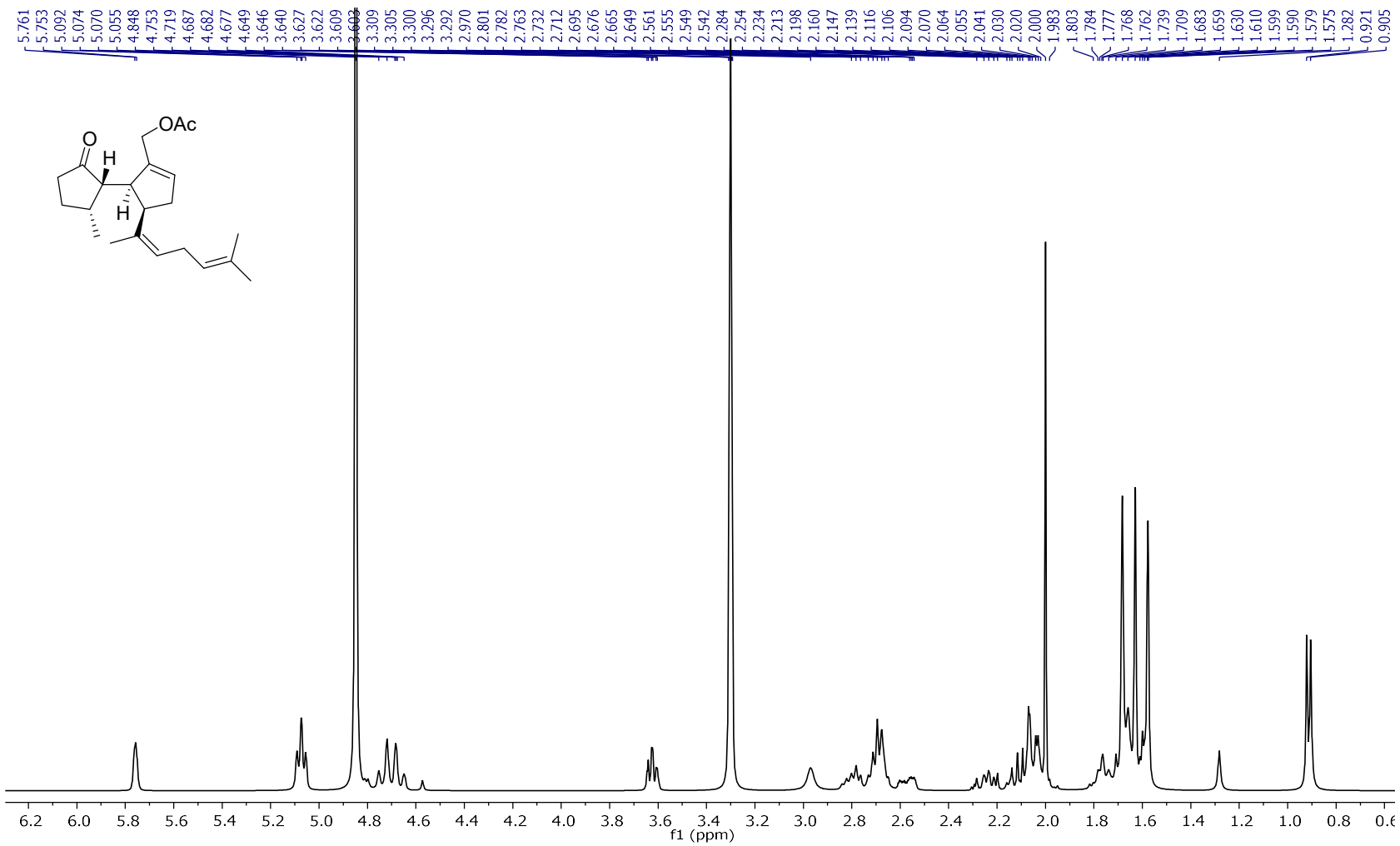

Figure S15. ^{1}H NMR spectrum (500 MHz, CD_3OD) of ruguloptone D (**8**)

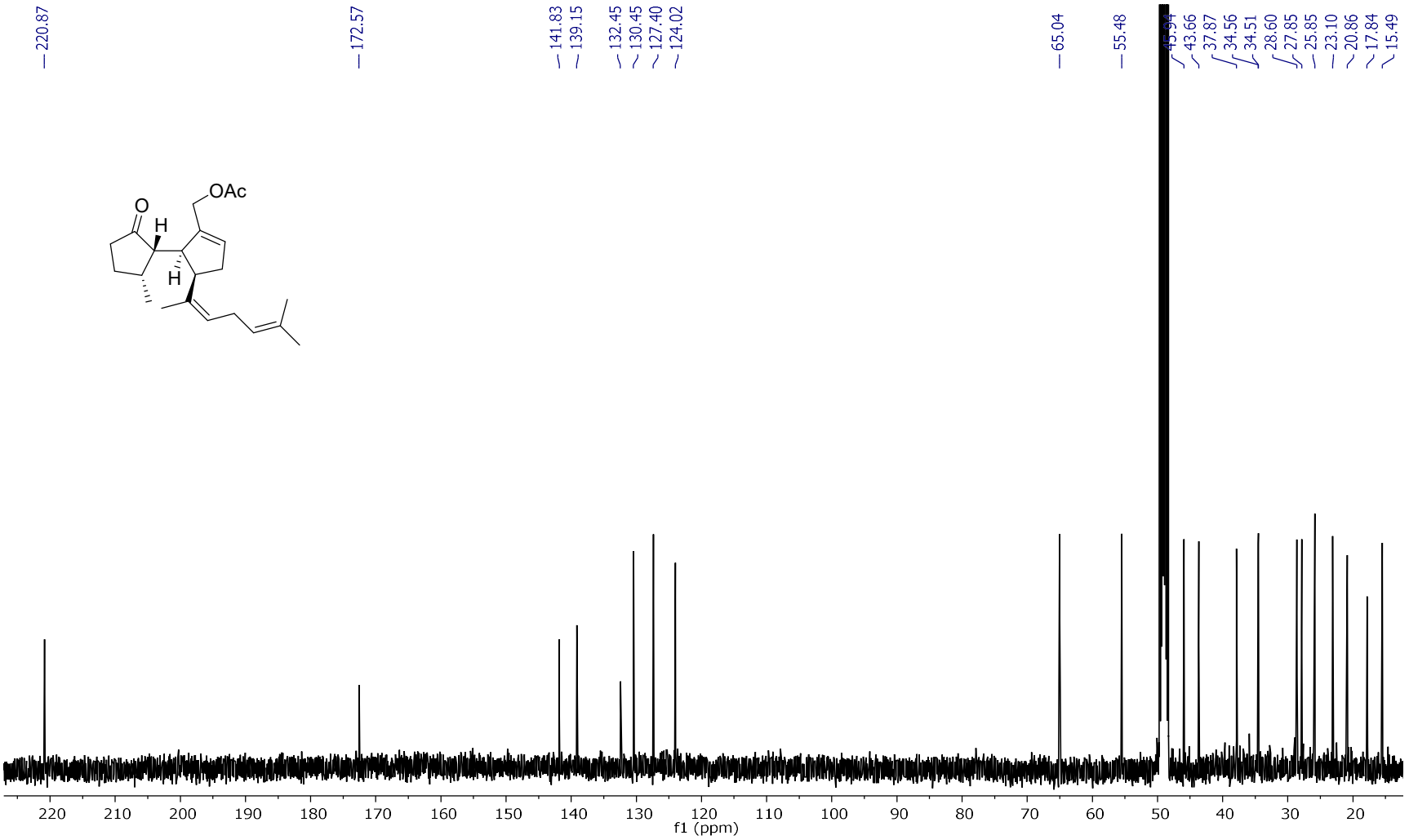

Figure S16. ^{13}C NMR spectrum (125 MHz, CD_3OD) of ruguloptone B (**8**)

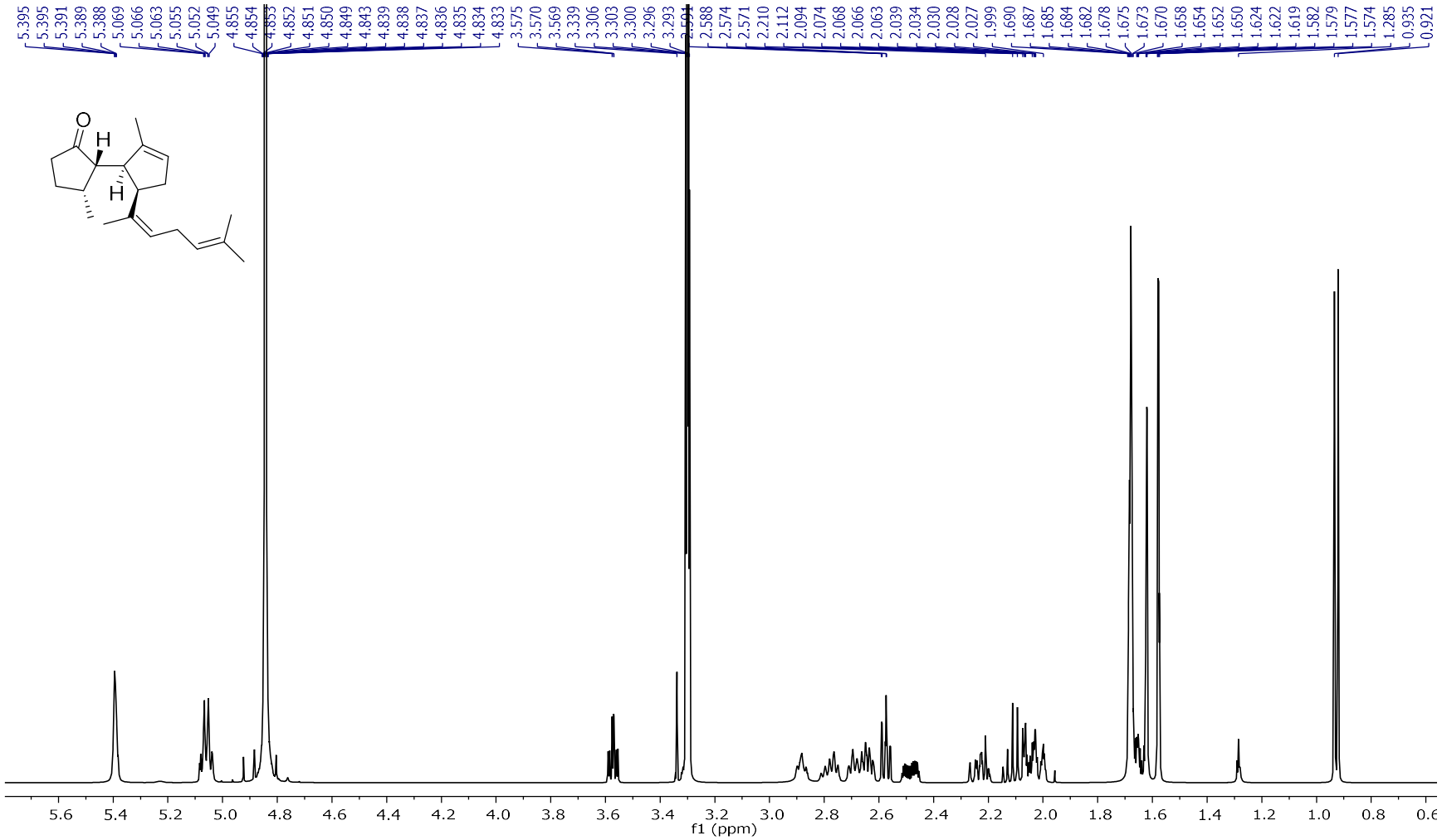

Figure S17. ^{1}H NMR spectrum (500 MHz, CD_3OD) of ruguloptone E (**9**)

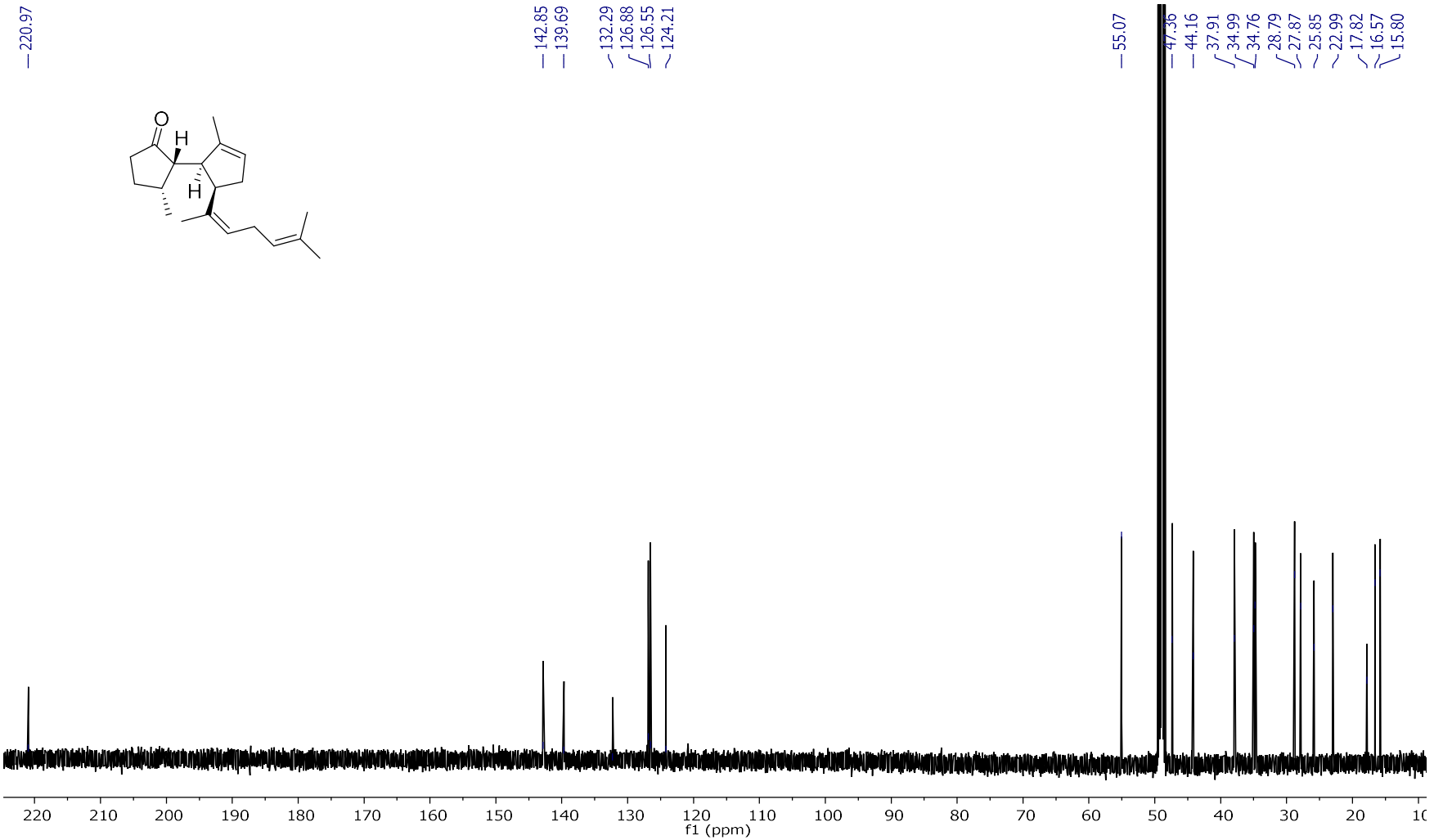

Figure S18. ^{13}C NMR spectrum (125 MHz, CD_3OD) of ruguloptone E (**9**)

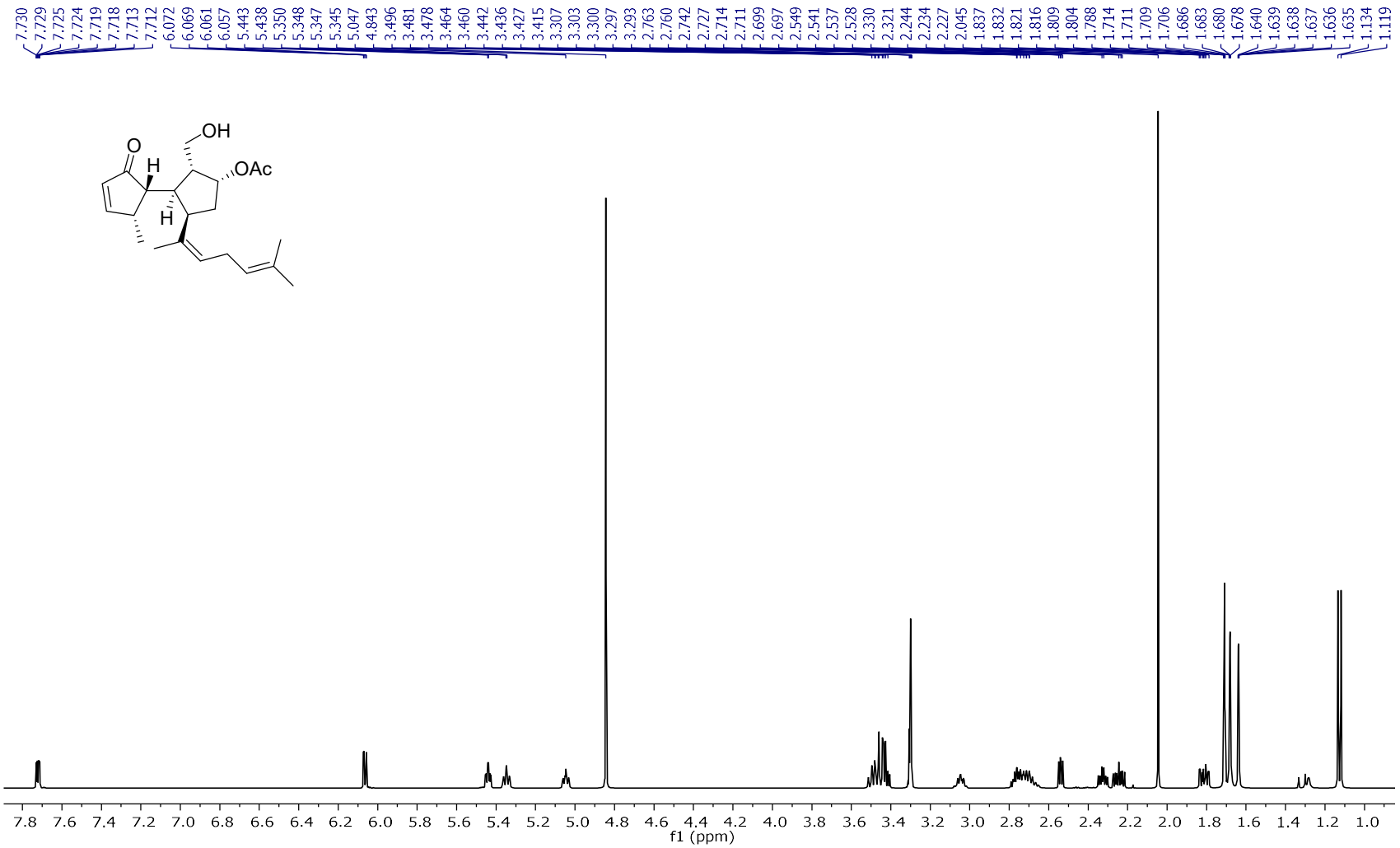

Figure S19. ^{1}H NMR spectrum (500 MHz, CD_3OD) of ruguloptone F (**10**)

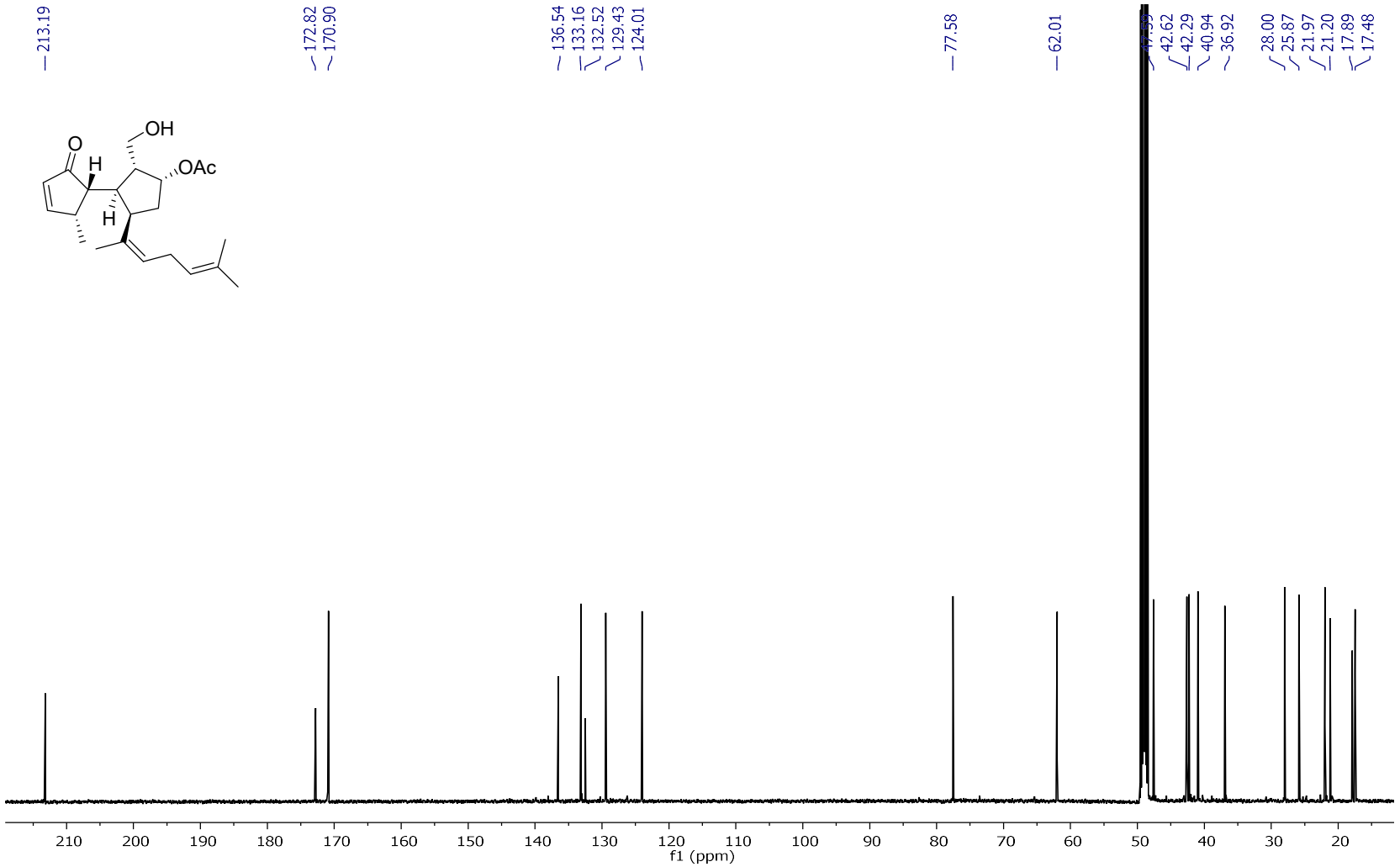

Figure S20. ^{13}C NMR spectrum (125 MHz, CD_3OD) of ruguloptone F (**10**)

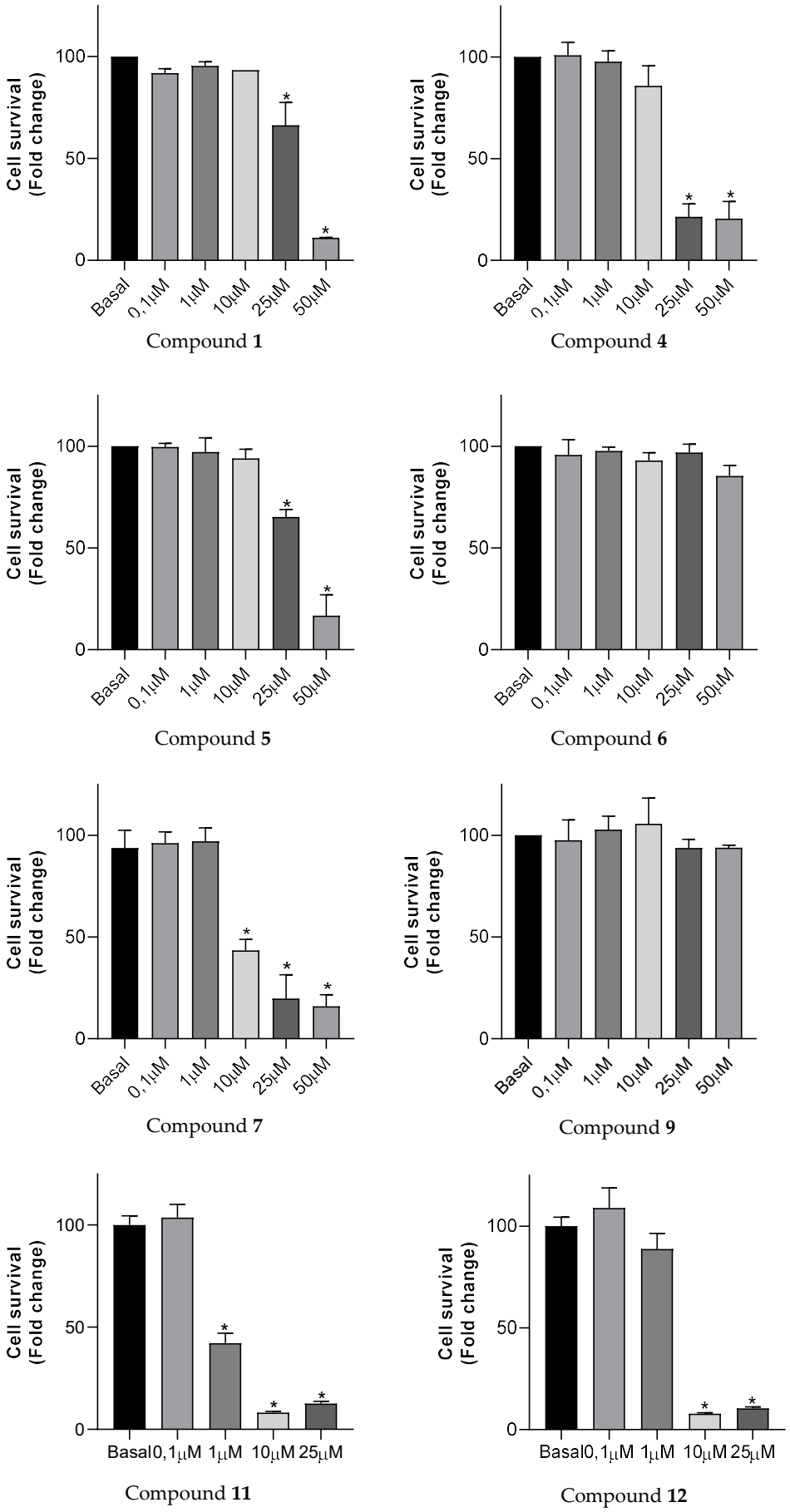

Figure **S21.** Dose-response cell viability of Bv.2 cells was determined by cristal violet assay. Colorimetric quantification was performed, and the results are mean ± SD (n ≥ 3 independent experiments performed in duplicate). Significant differences were determined by two way ANOVA followed by Bonferroni t-test *p ≤ 0.05 vs Basal.

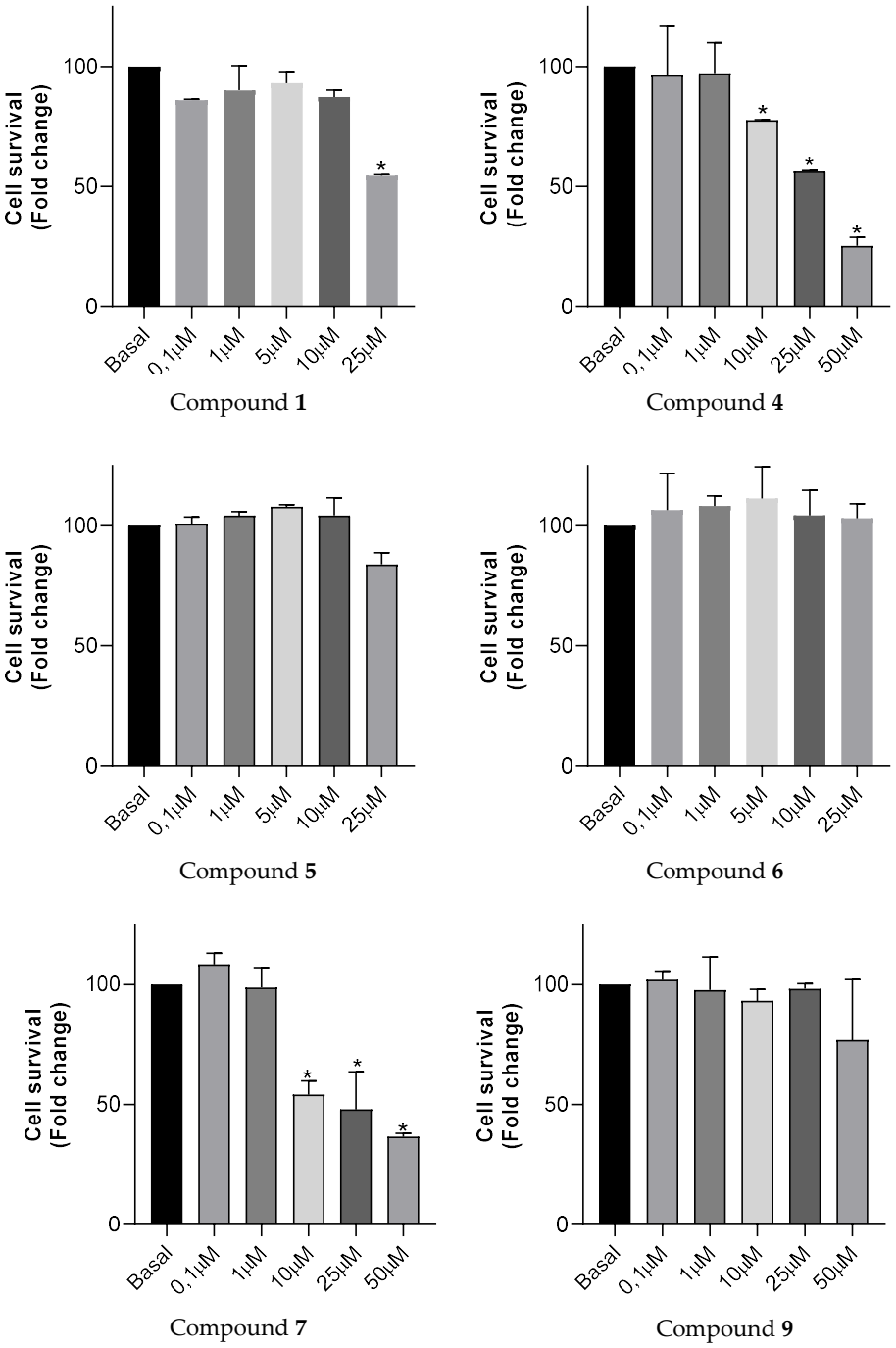

Figure **S22.** Dose-response cell viability of RAW 264.7 cells was determined by cristal violet assay. Colorimetric quantification was performed, and the results are mean ± SD (n ≥ 3 independent experiments performed in duplicate). Significant differences were determined by two way ANOVA followed by Bonferroni t-test *p ≤ 0.05 vs Basal.