

Synthesis of heterocyclic compounds with a cineole fragment in reactions of α -pinene-derived diol and monoterpenoid aldehydes

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NMR spectra

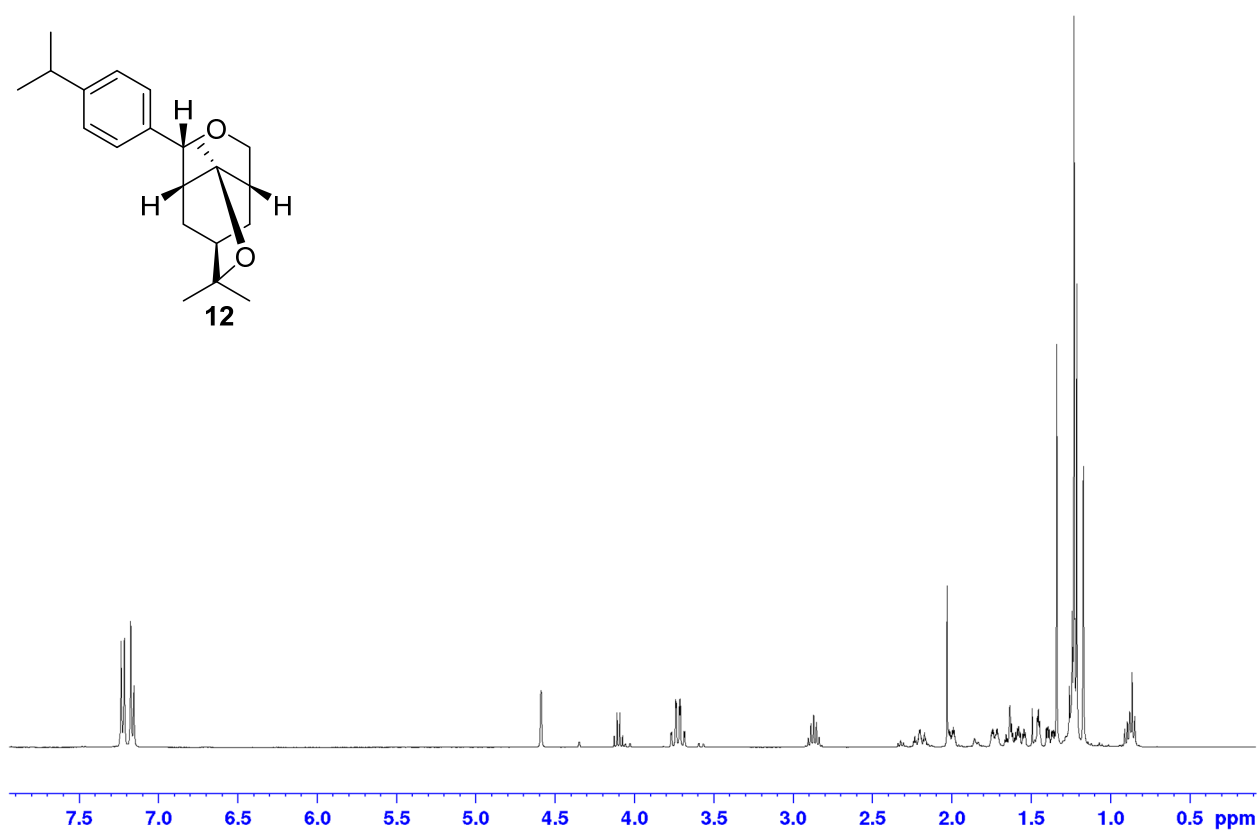


Figure S1. ¹H NMR spectrum of **12** (CDCl₃, 600 MHz).

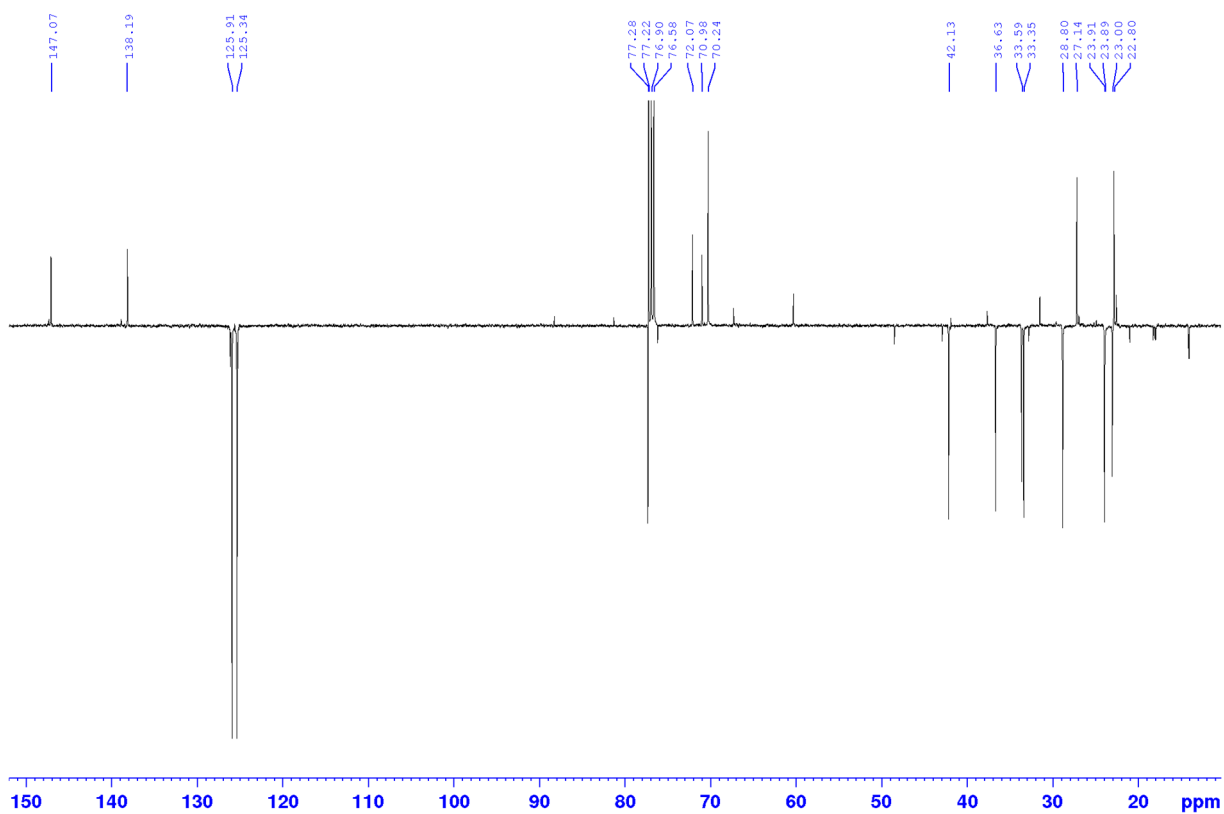


Figure S2. ¹³C Jmod NMR spectrum of **12** (CDCl₃, 151 MHz).

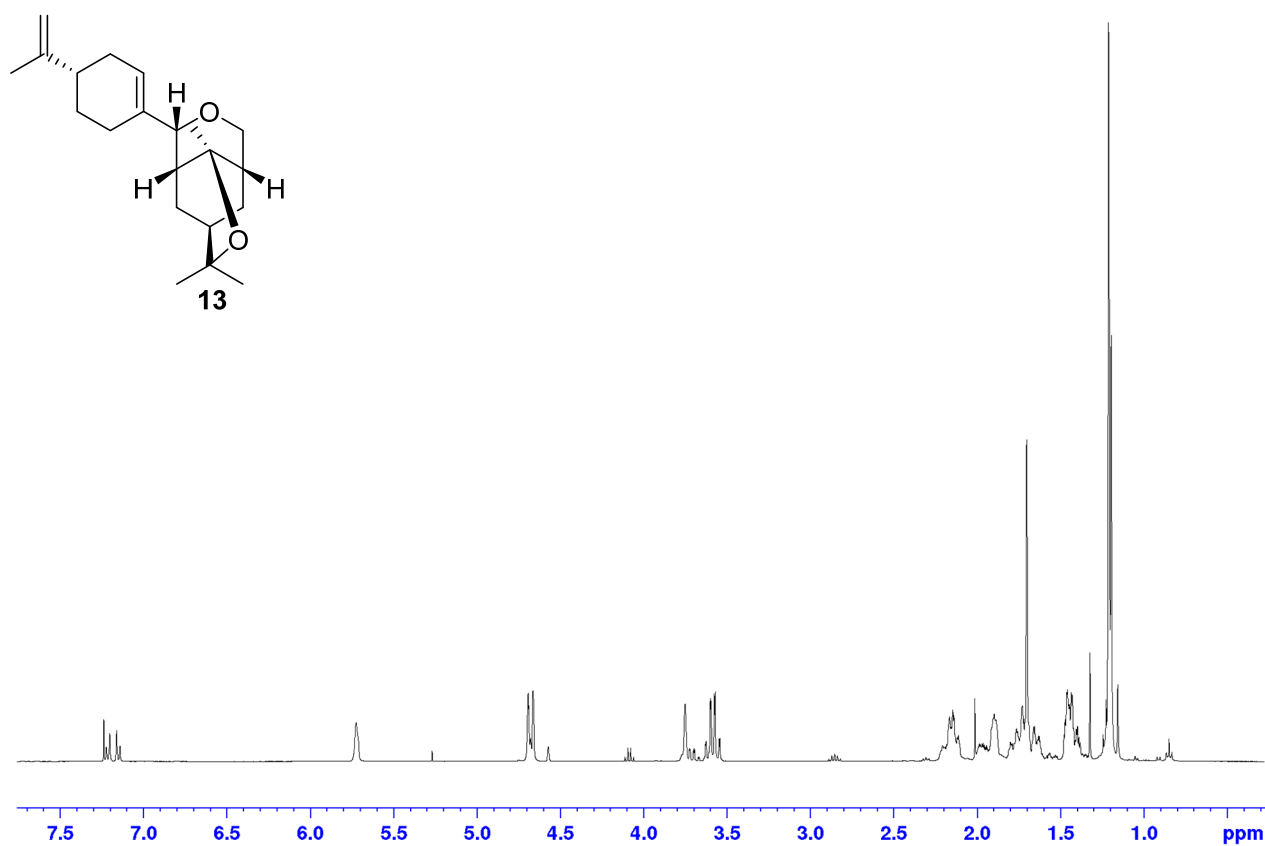


Figure S3. ^1H NMR spectrum of **13** (CDCl_3 , 600 MHz).

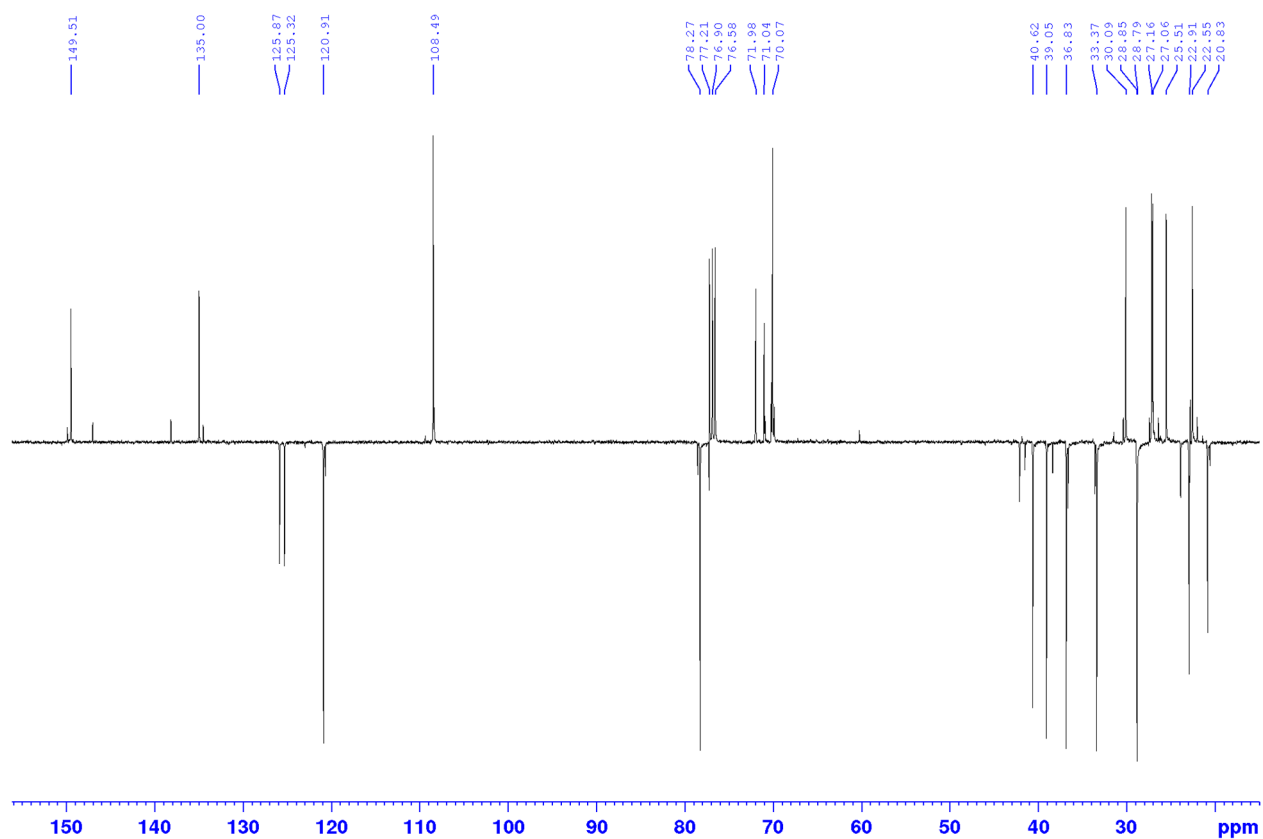


Figure S4. ^{13}C Jmod NMR spectrum of **13** (CDCl_3 , 151 MHz).

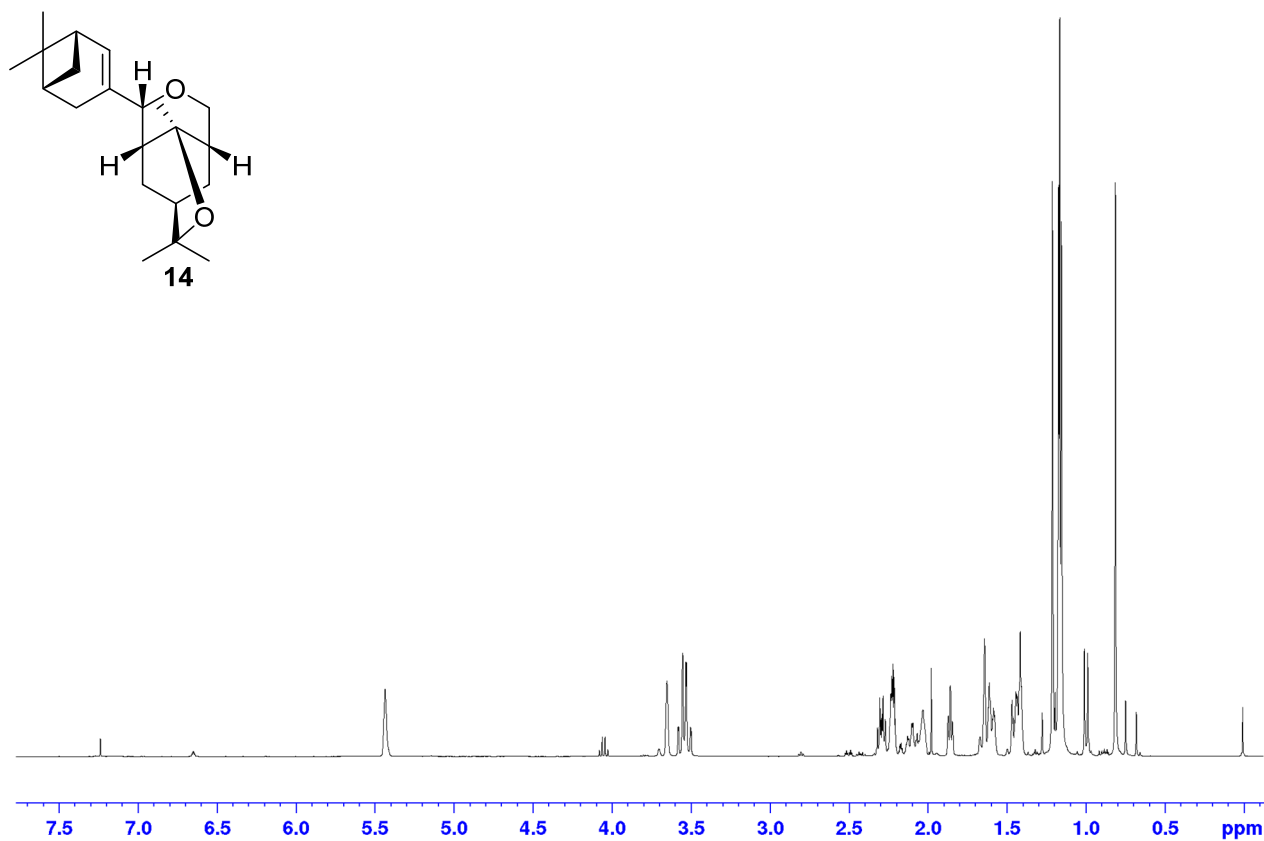


Figure S5. ^1H NMR spectrum of **14** (CDCl_3 , 600 MHz).

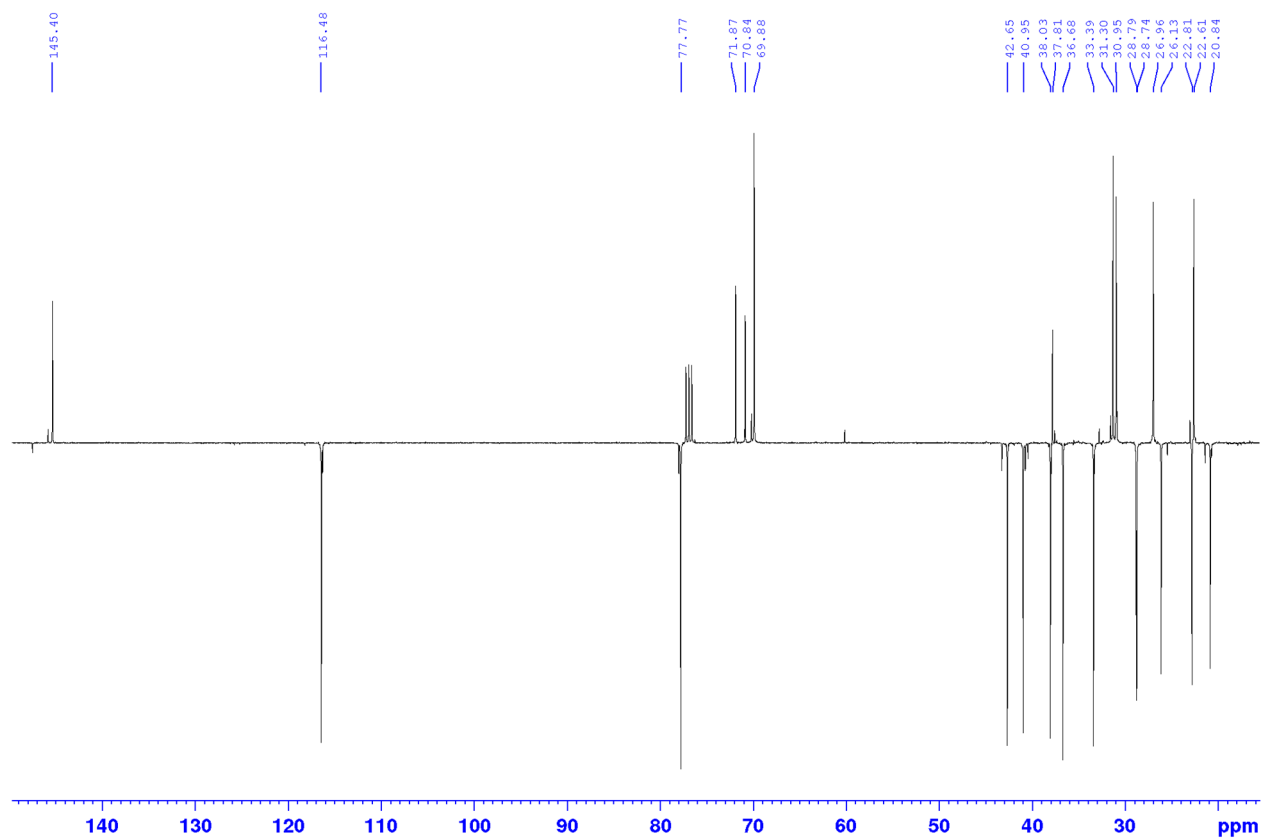


Figure S6. ^{13}C Jmod NMR spectrum of **14** (CDCl_3 , 151 MHz).

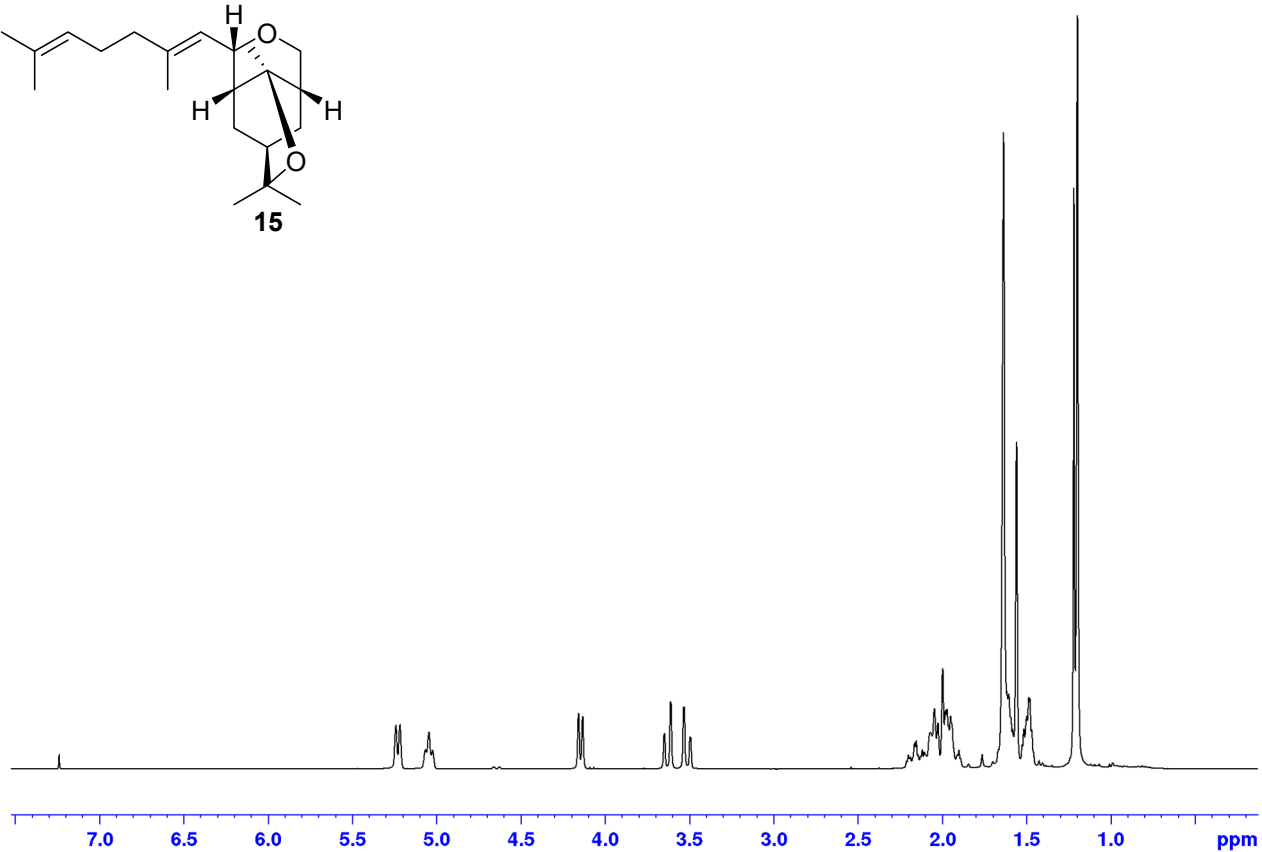
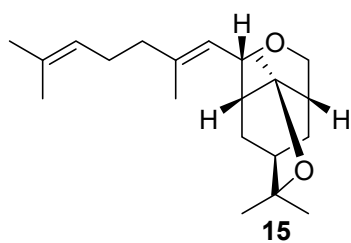


Figure S7. ^1H NMR spectrum of **15** (CDCl_3 , 600 MHz).

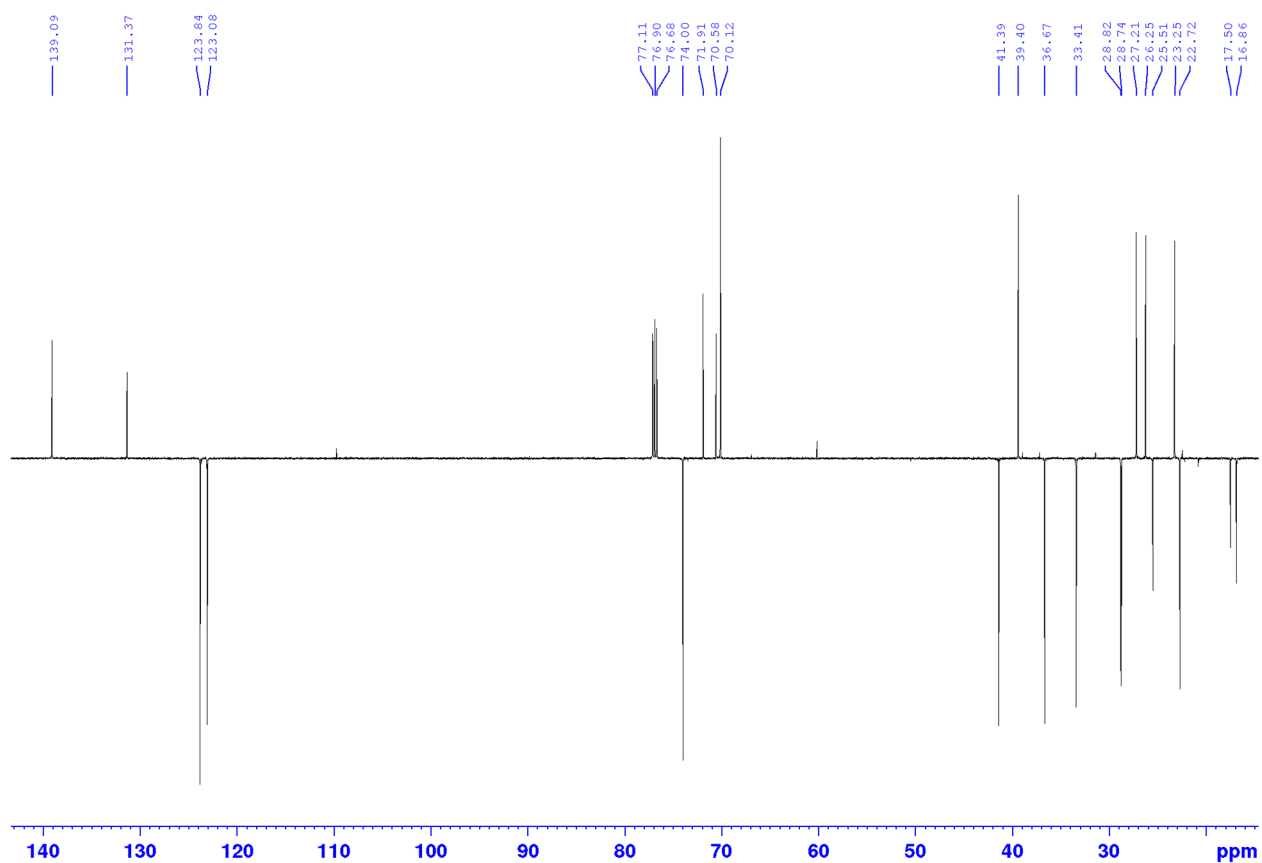


Figure S8. ^{13}C Jmod NMR spectrum of **15** (CDCl_3 , 151 MHz).

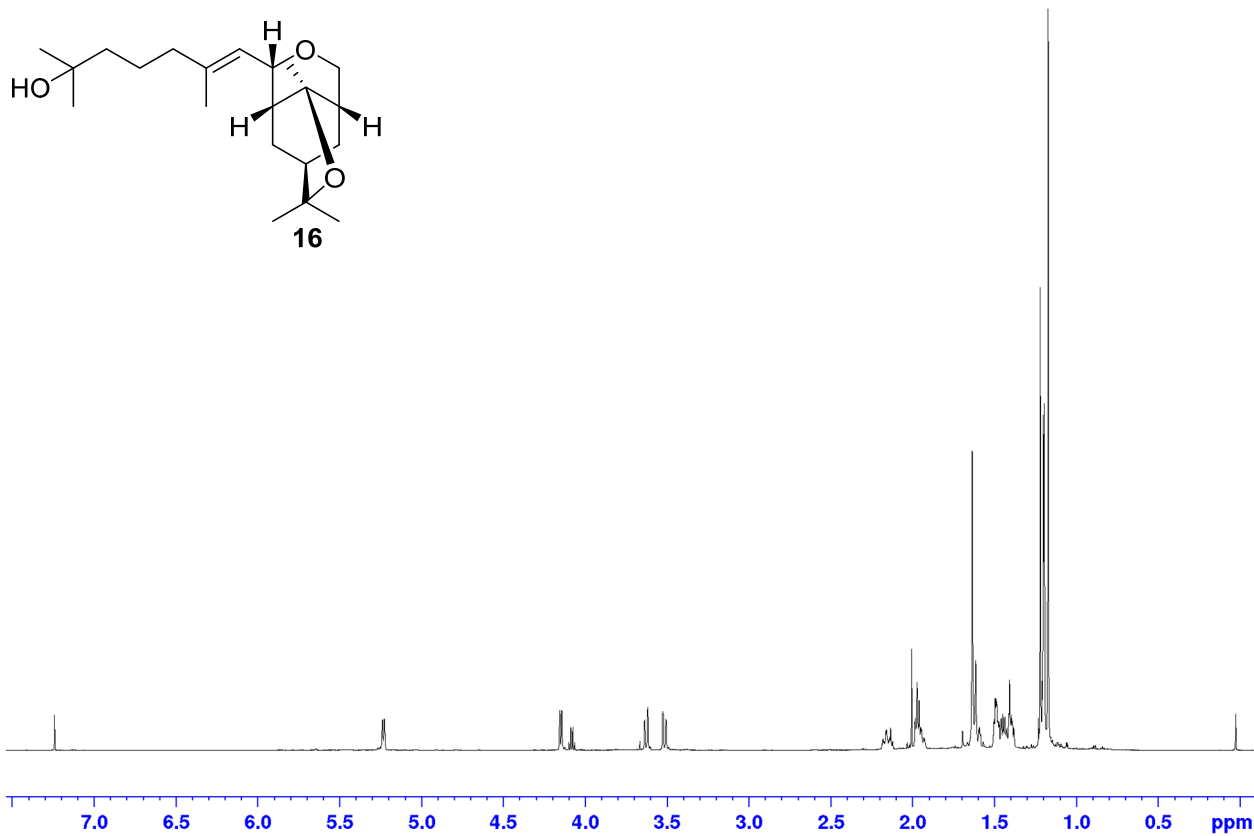


Figure S9. ^1H NMR spectrum of **16** (CDCl_3 , 600 MHz).

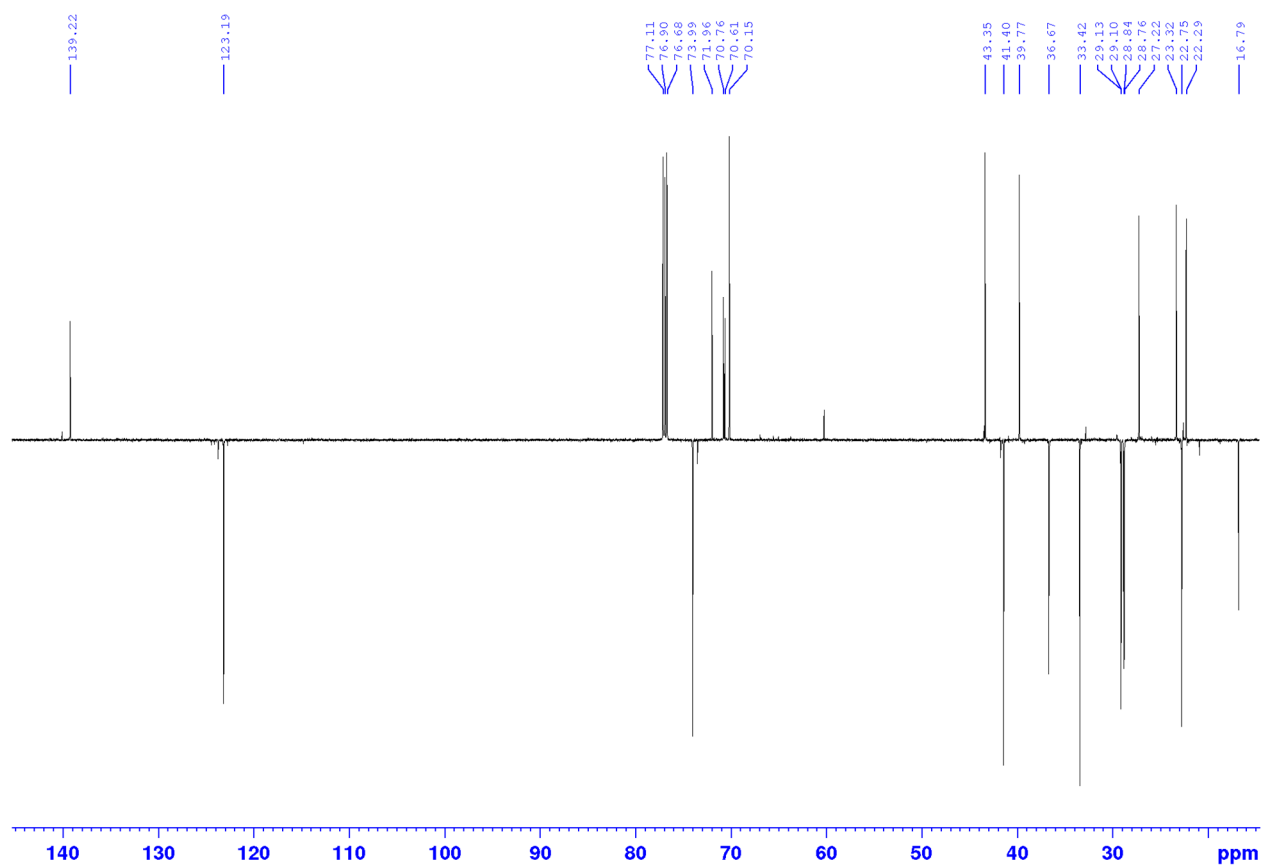


Figure S10. ^{13}C Jmod NMR spectrum of **16** (CDCl_3 , 151 MHz).