

Supplementary Information

Copaiba Oil and Its Constituent Copalic Acid as Chemotherapeutic Agents against *Dermatophytes*

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Copalic acid

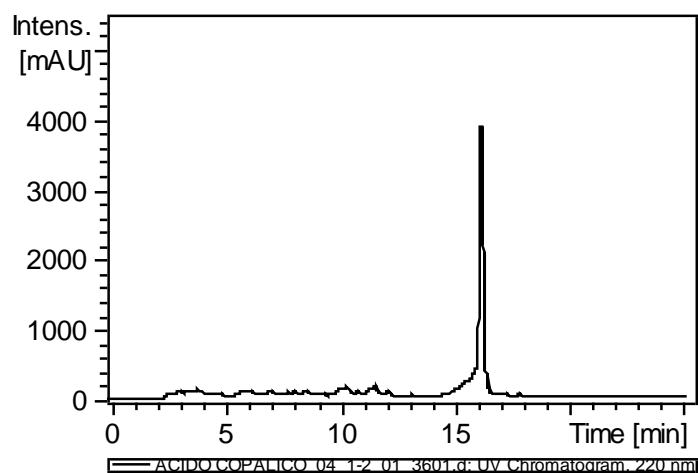


Figure S1. LC-DAD-MS, chromatogram of copalic acid - UV = 220.

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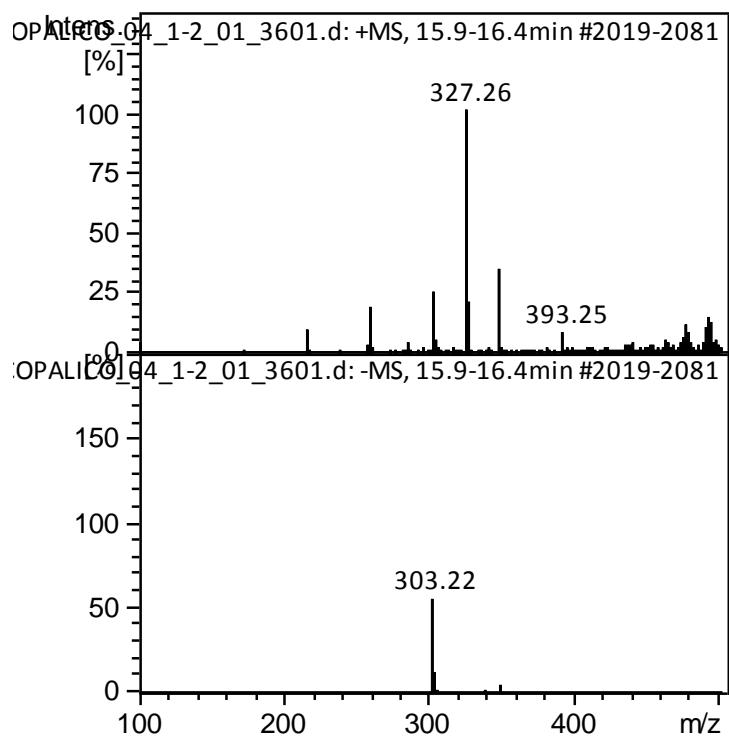


Figure S2. LC-DAD-MS, first chart ESI-MS positive mode (sodium adduct), second chart ESI-negative mode (deprotonated molecule).

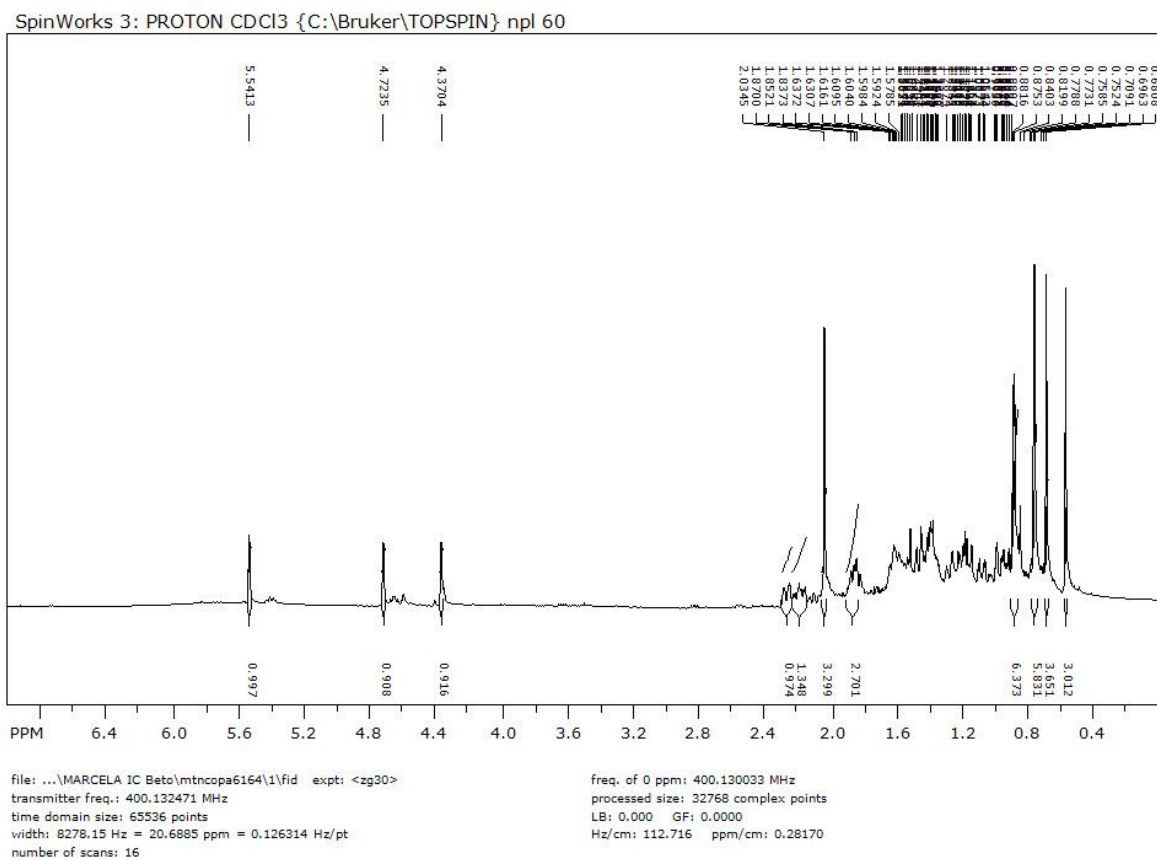


Figure S3. ^1H NMR spectrum (400 MHz, CDCl_3) of copalic acid.

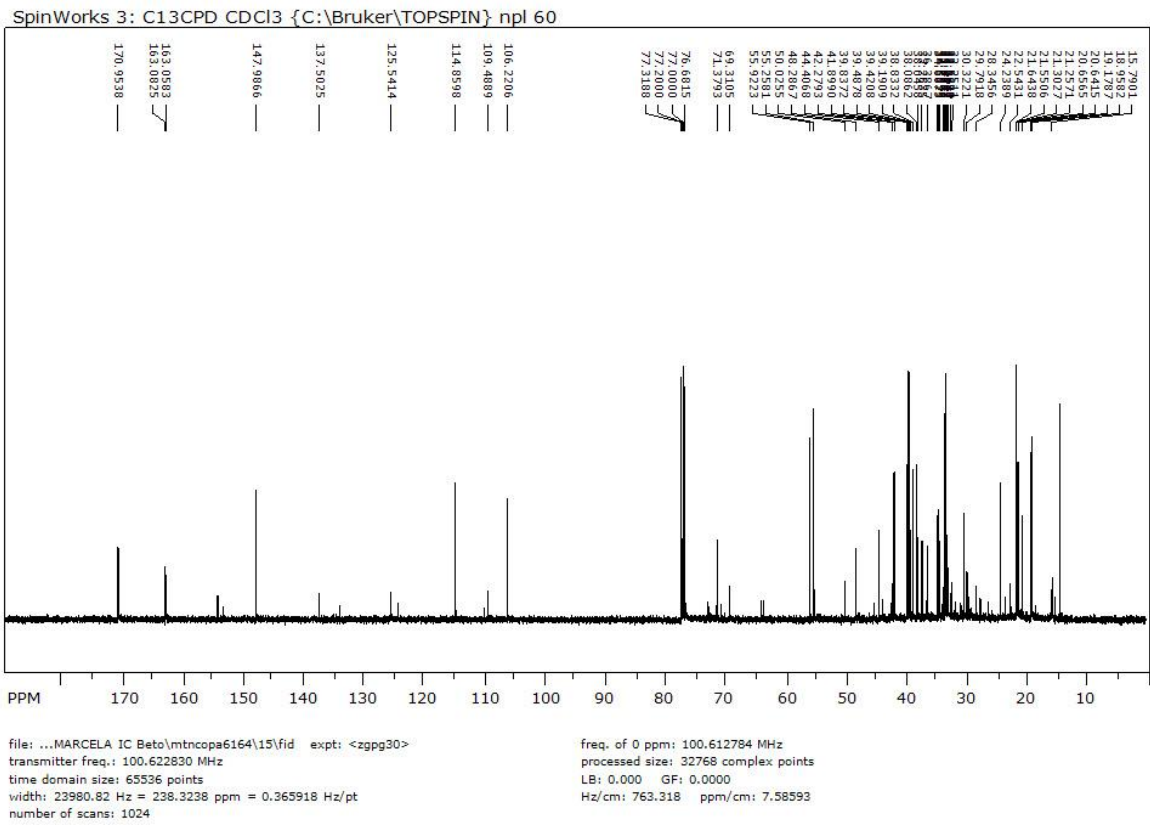


Figure S4. ^{13}C NMR spectrum (100 MHz, CDCl_3) of copalic acid.

Acetoxycopalic acid

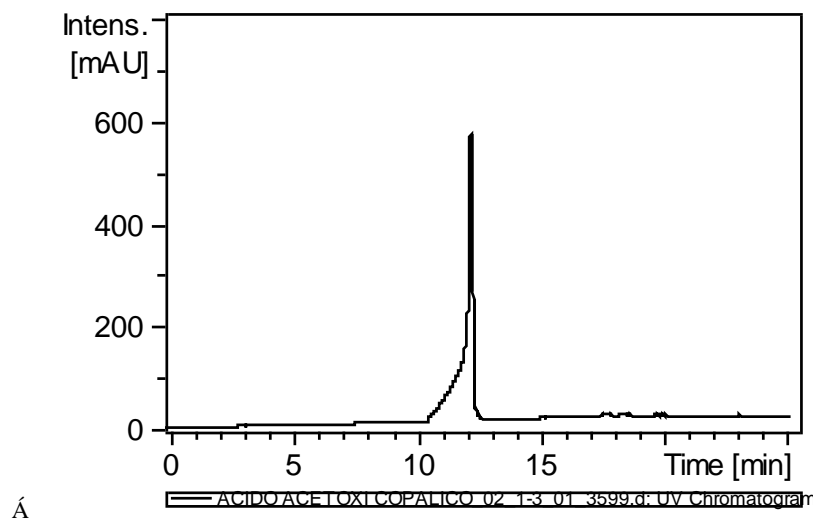


Figure S5. LC-DAD-MS, chromatogram of acetoxycopalic acid - UV = 220.

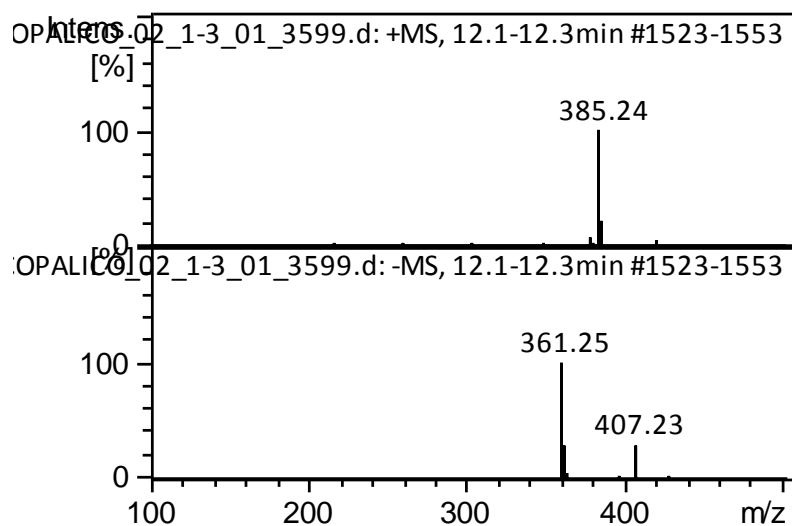


Figure S6. LC-DAD-MS, first chart ESI-MS positive mode (sodium adduct), second chart ESI-negative mode (deprotonated molecule).

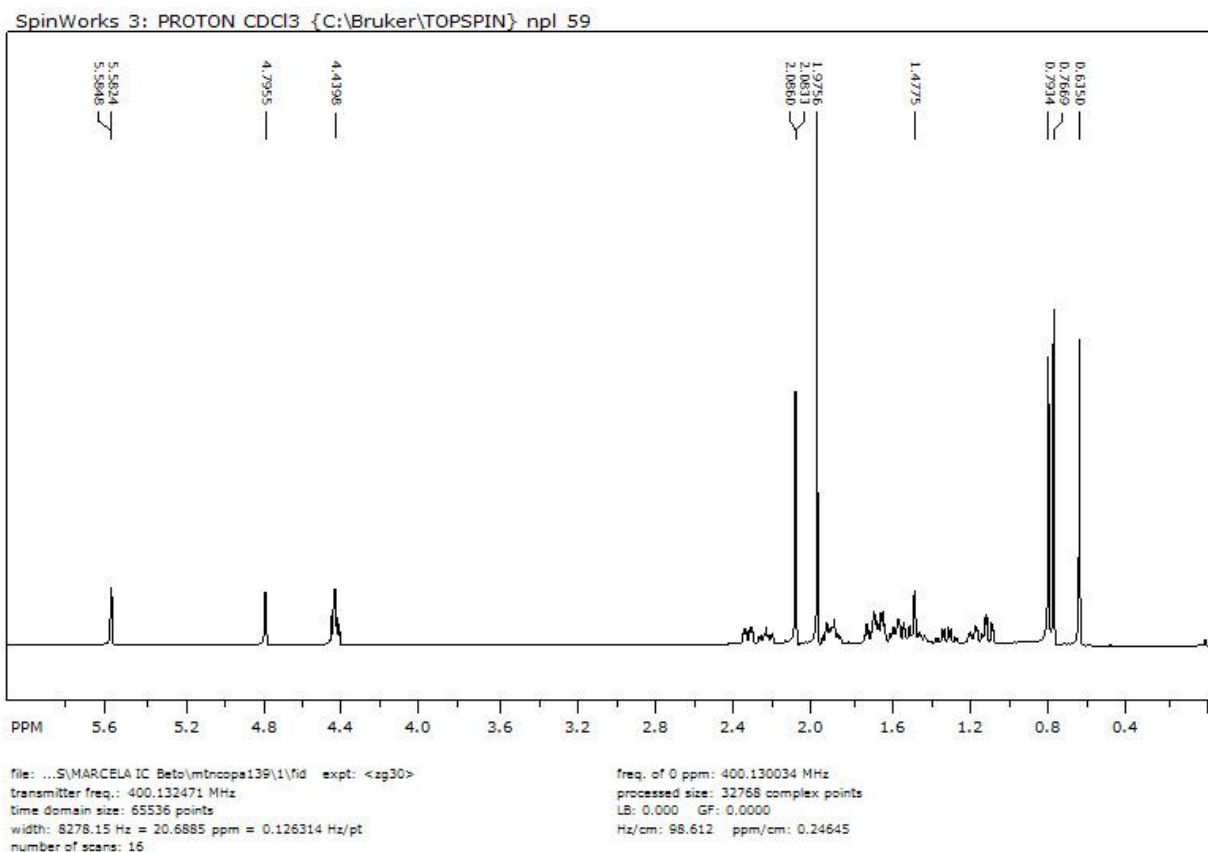


Figure S7. ¹H NMR spectrum (400 MHz, CDCl₃) of acetoxycopallic acid.

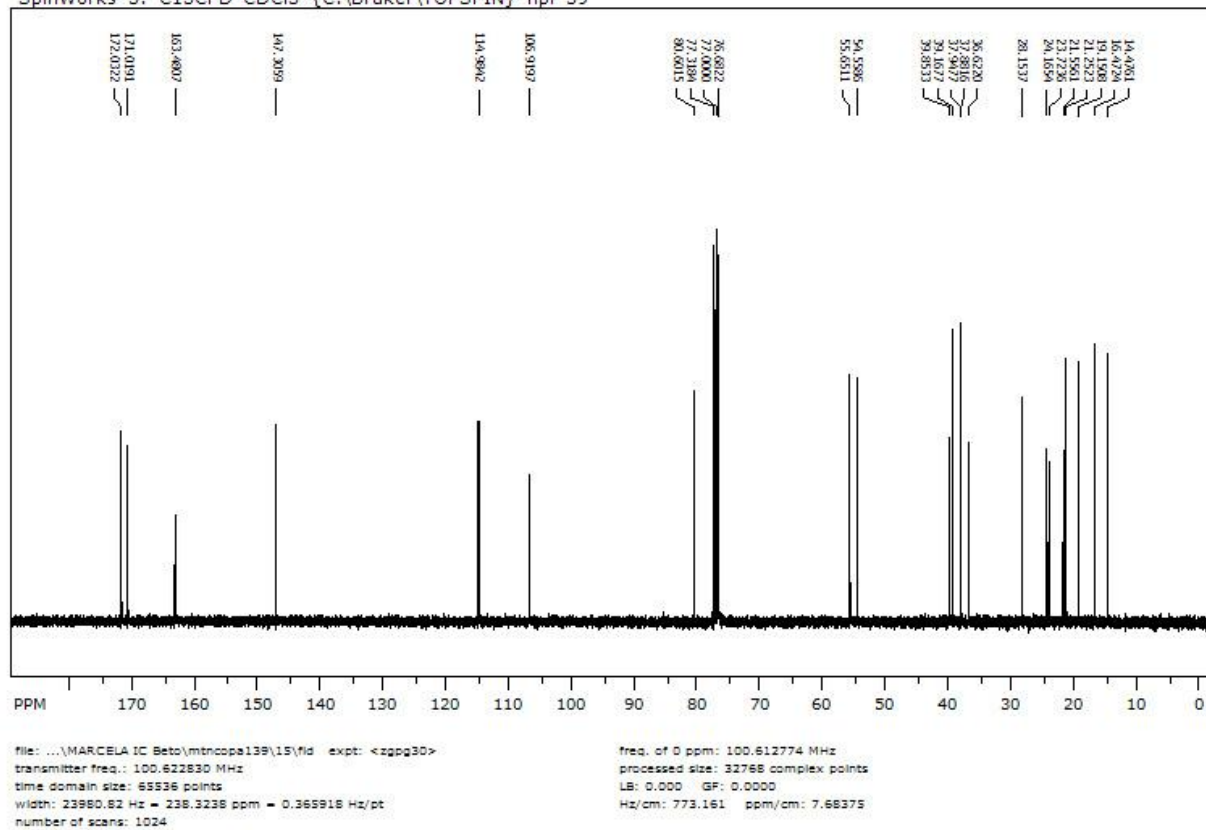


Figure S8. ^{13}C NMR spectrum (100 MHz, CDCl_3) of acetoxypropionic acid.

Caryophyllene oxide

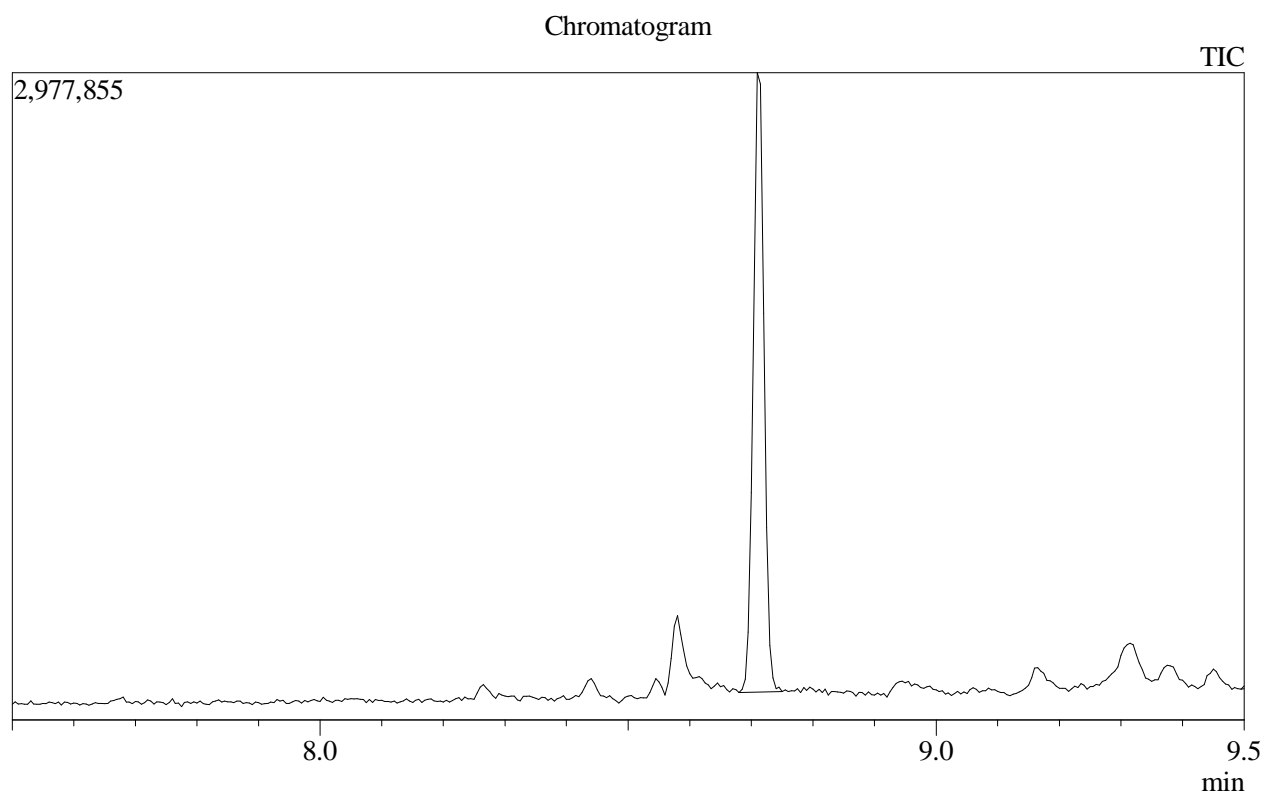


Figure S9. GC-MS, first chart GC data of caryophyllene oxide.

Spectrum

Line#:1 R.Time:8.710(Scan#:743)
MassPeaks:121
RawMode:Averaged 8.705-8.715(742-744) BasePeak:41(227738)
BG Mode:Calc. from Peak Group 1 - Event 1

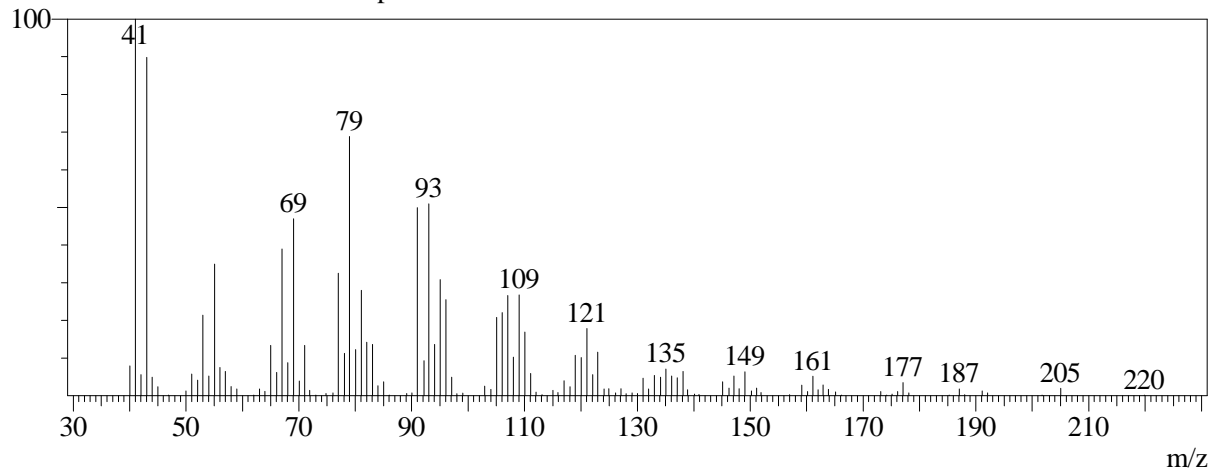


Figure S10. GC-MS, EI-MS spectra of caryophyllene oxide.

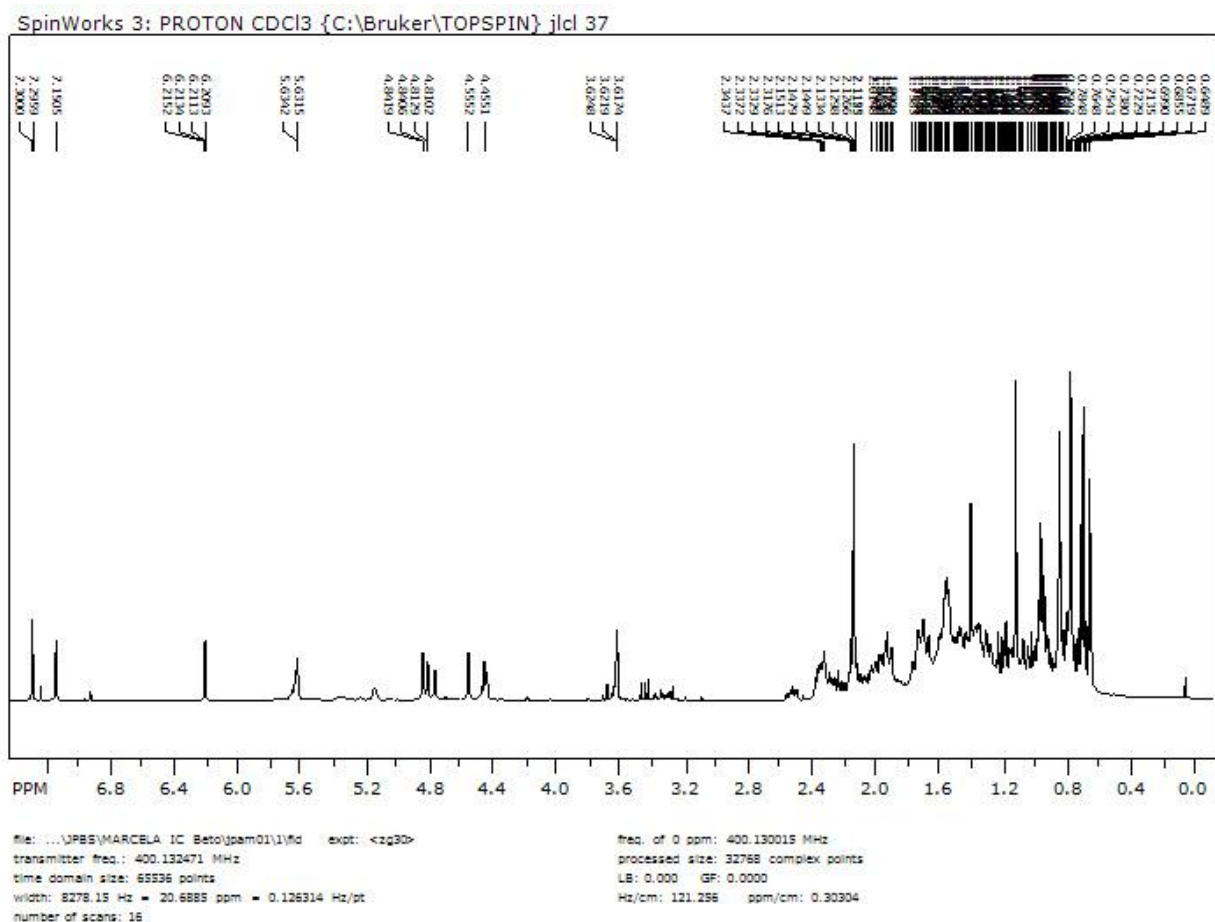


Figure S11. ¹H NMR spectrum (400 MHz, CDCl₃) of caryophyllene oxide.

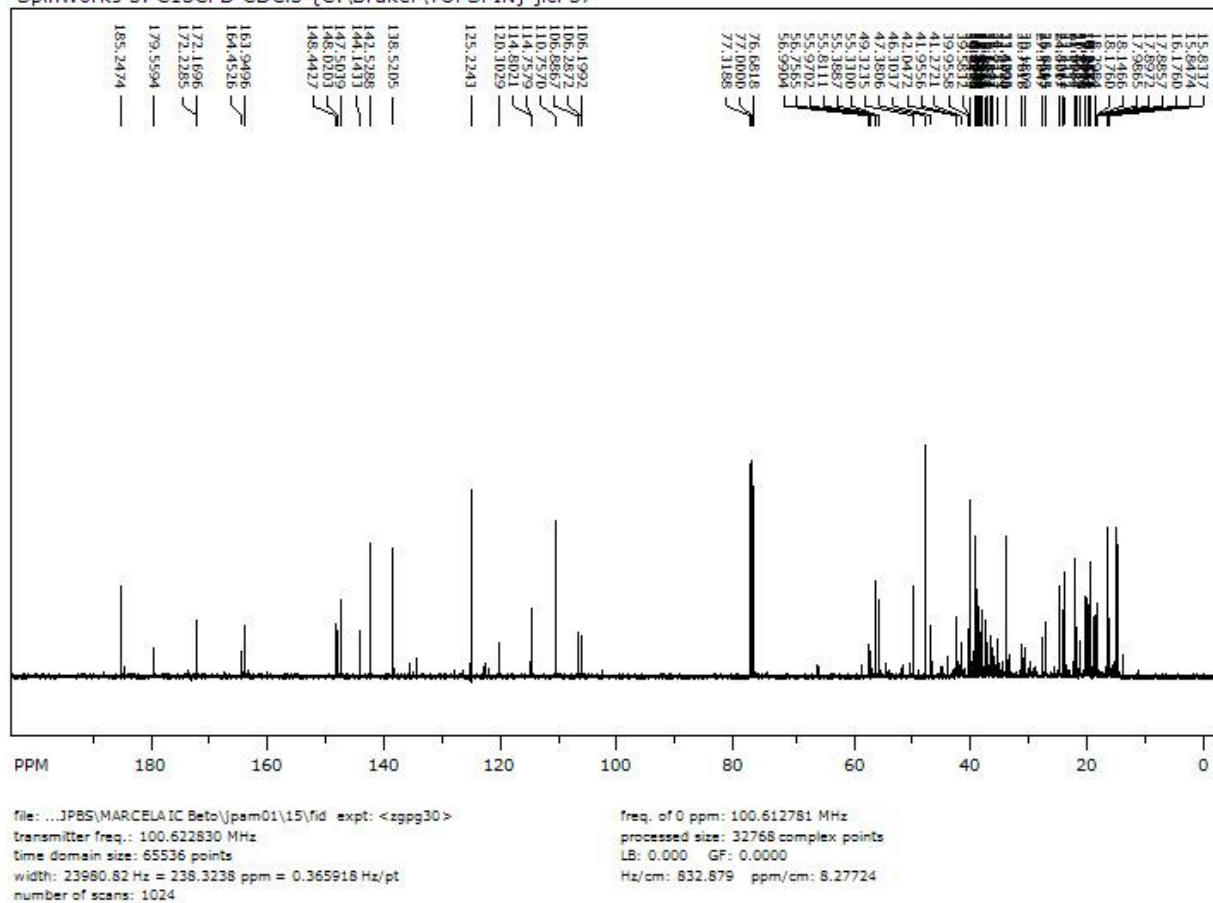


Figure S12. ^{13}C NMR spectrum (100 MHz, CDCl_3) of caryophyllene oxide.