

Supplementary Information

Rapid Detection of ACTG- and AK-Toxins in *Alternaria alternata* by LC-ESI-MS/MS Analysis and Antifungal Properties of Citrus Compounds

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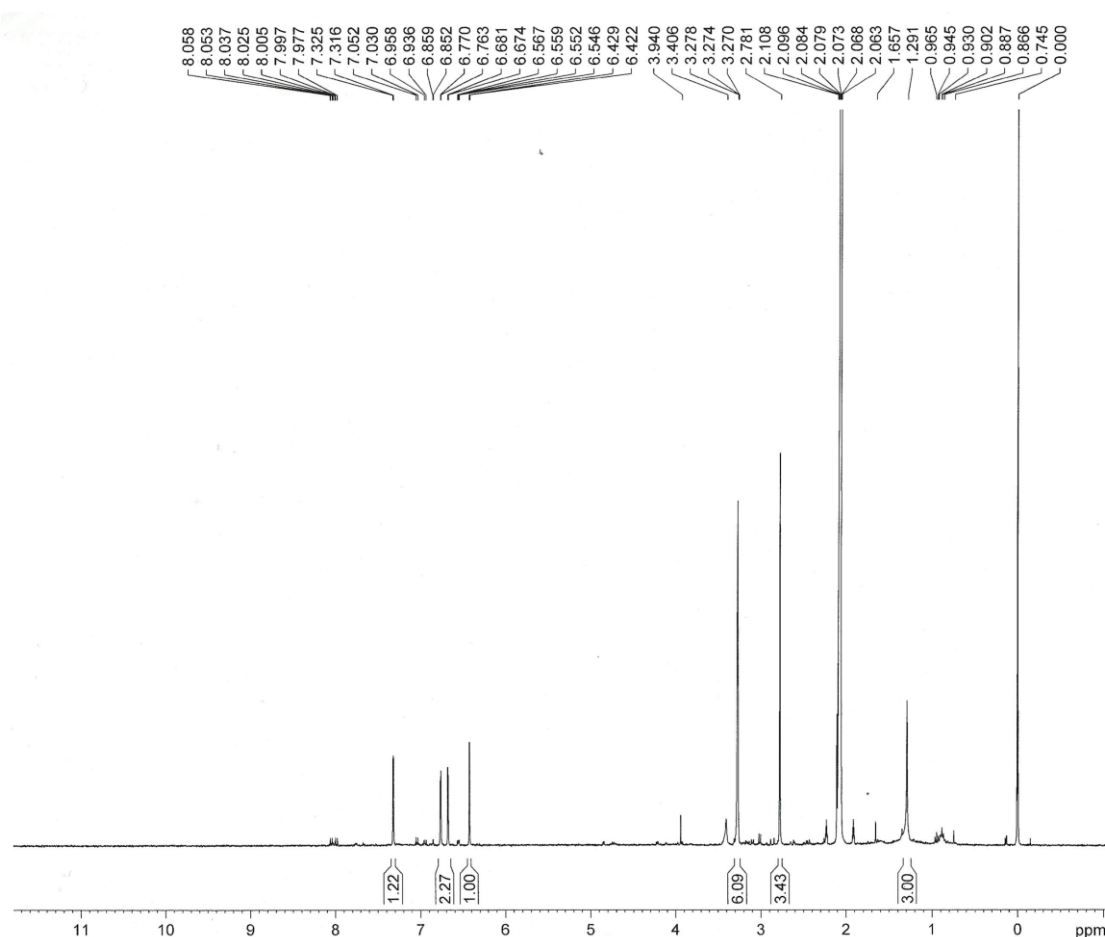


Figure S1. ¹H NMR spectrum of alternariol (**1**) (400 MHz, acetone-*d*₆).

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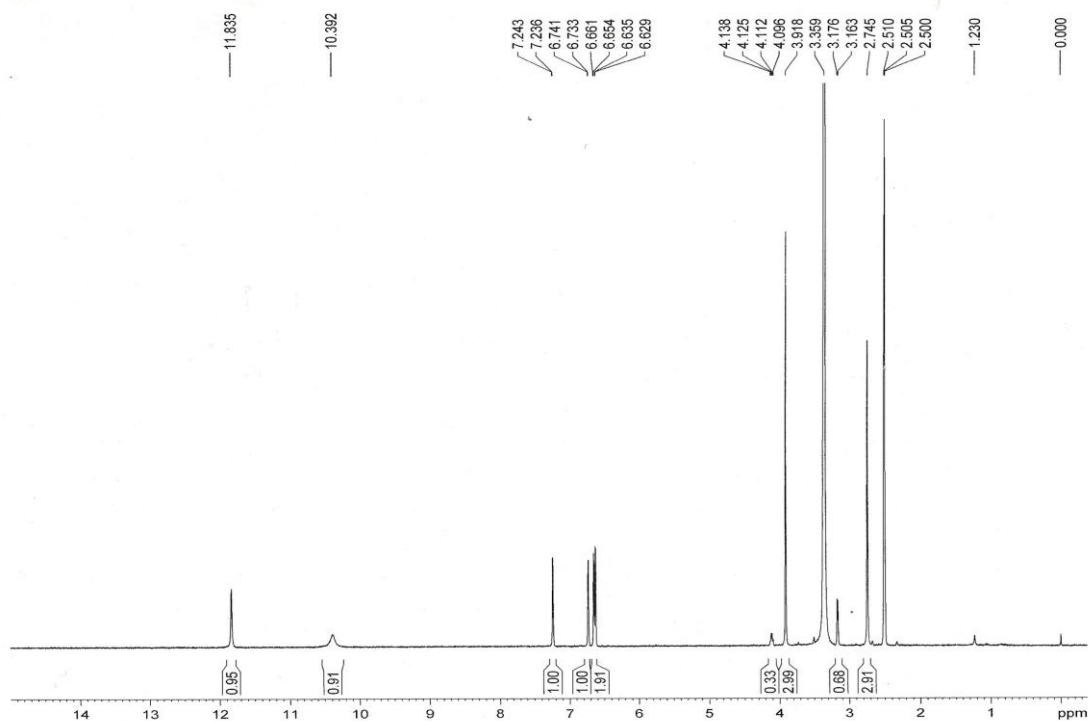


Figure S2. ¹H NMR spectrum of alternariol monomethyl ether (**2**) (400 MHz, DMSO-*d*₆).

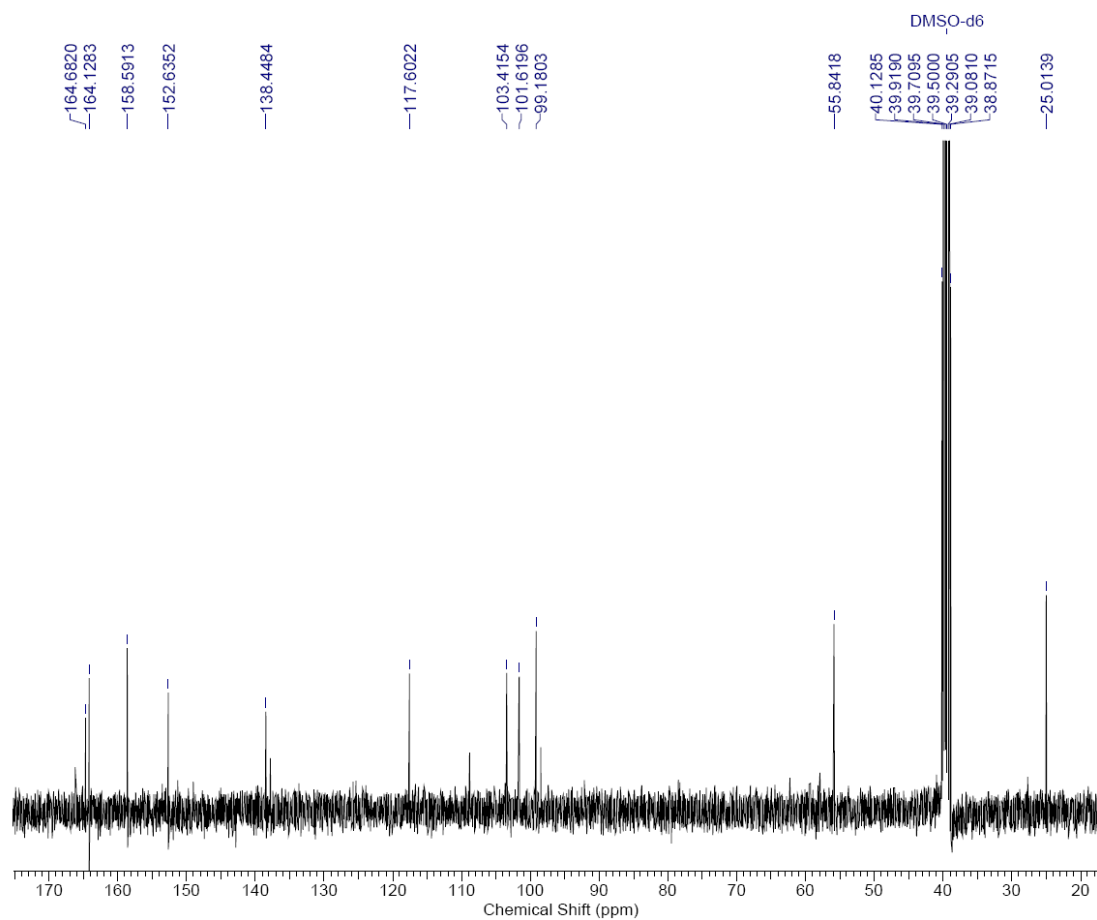


Figure S3. ¹³C NMR spectrum of alternariol monomethyl ether (**2**) (100 MHz, DMSO-*d*₆).

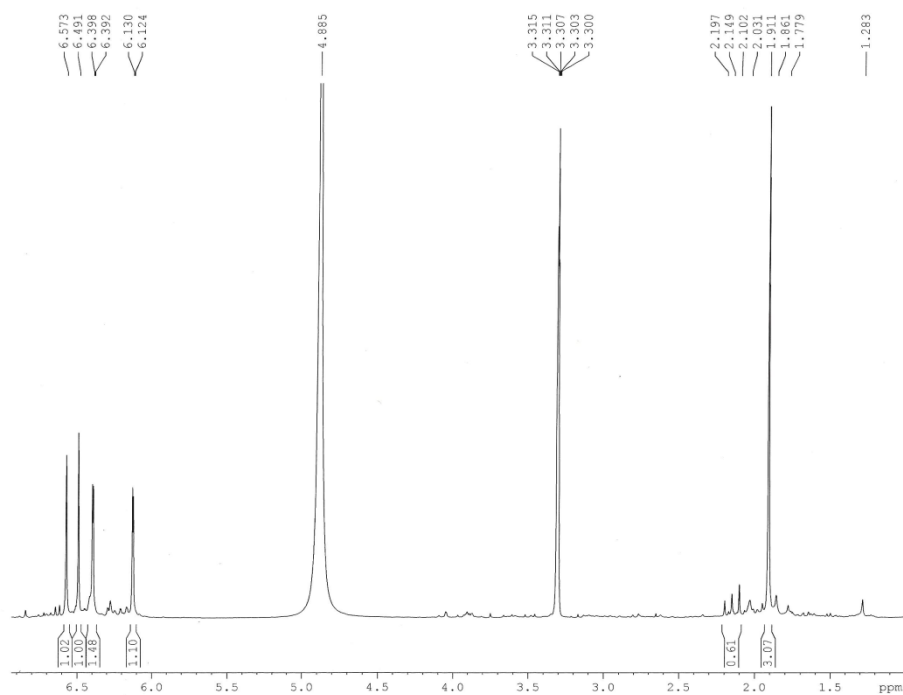


Figure S4. ¹H NMR spectrum altenusin (3) (400 MHz, MeOD).

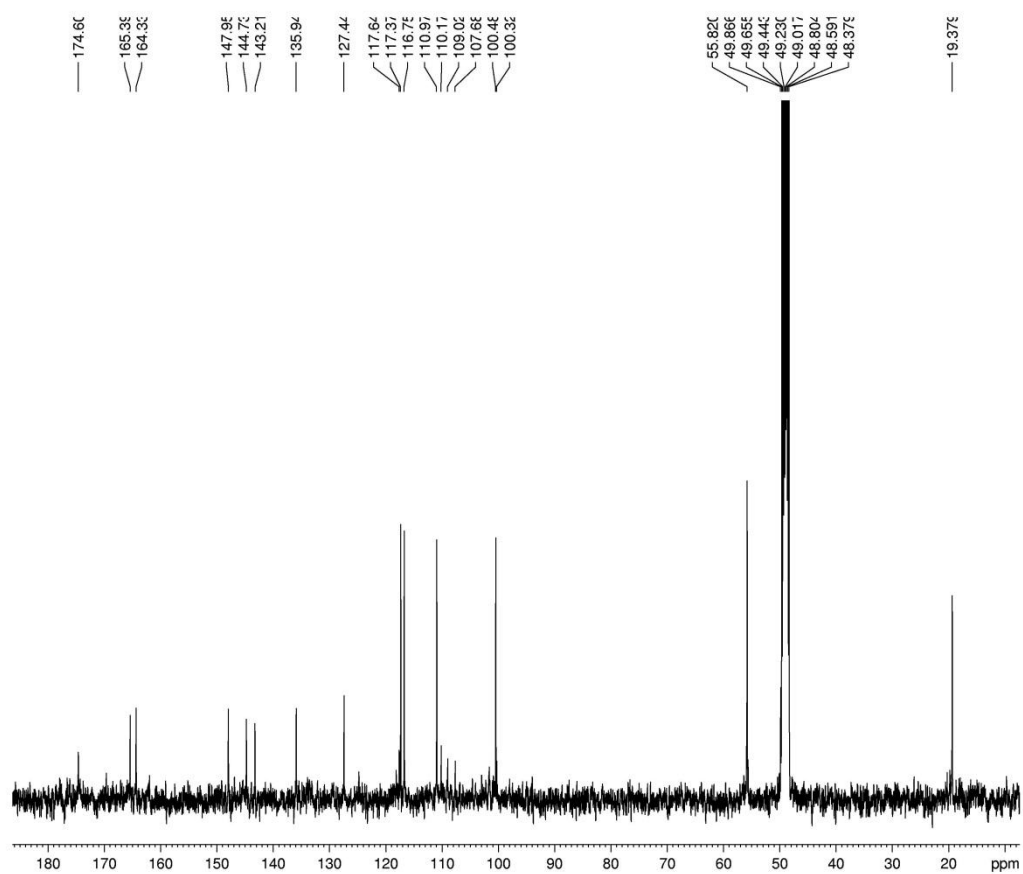


Figure S5. ¹³C NMR spectrum altenusin (3) (100 MHz, MeOD).

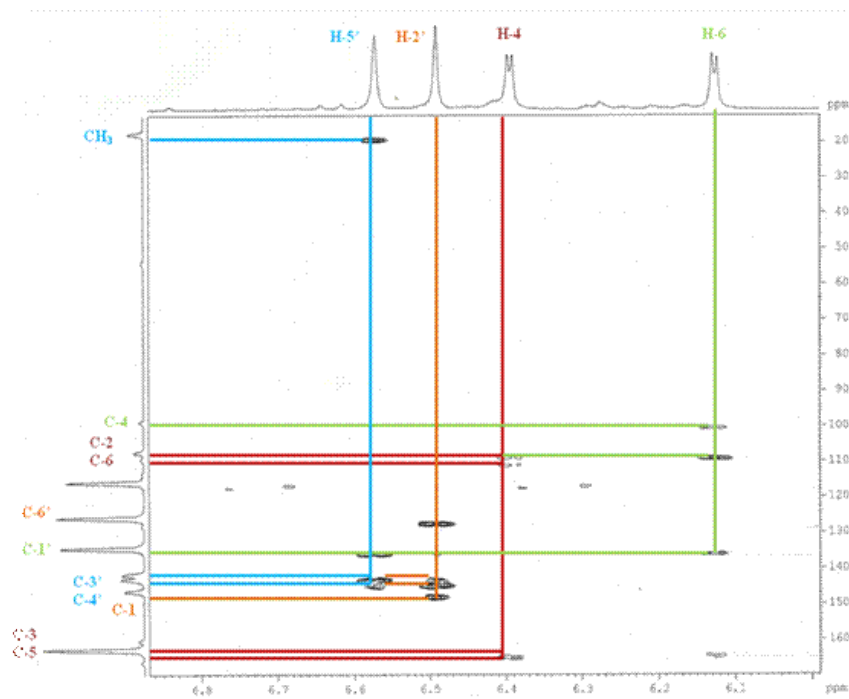


Figure S6. g-HMBC of altenusin (3) (400 MHz, MeOD).

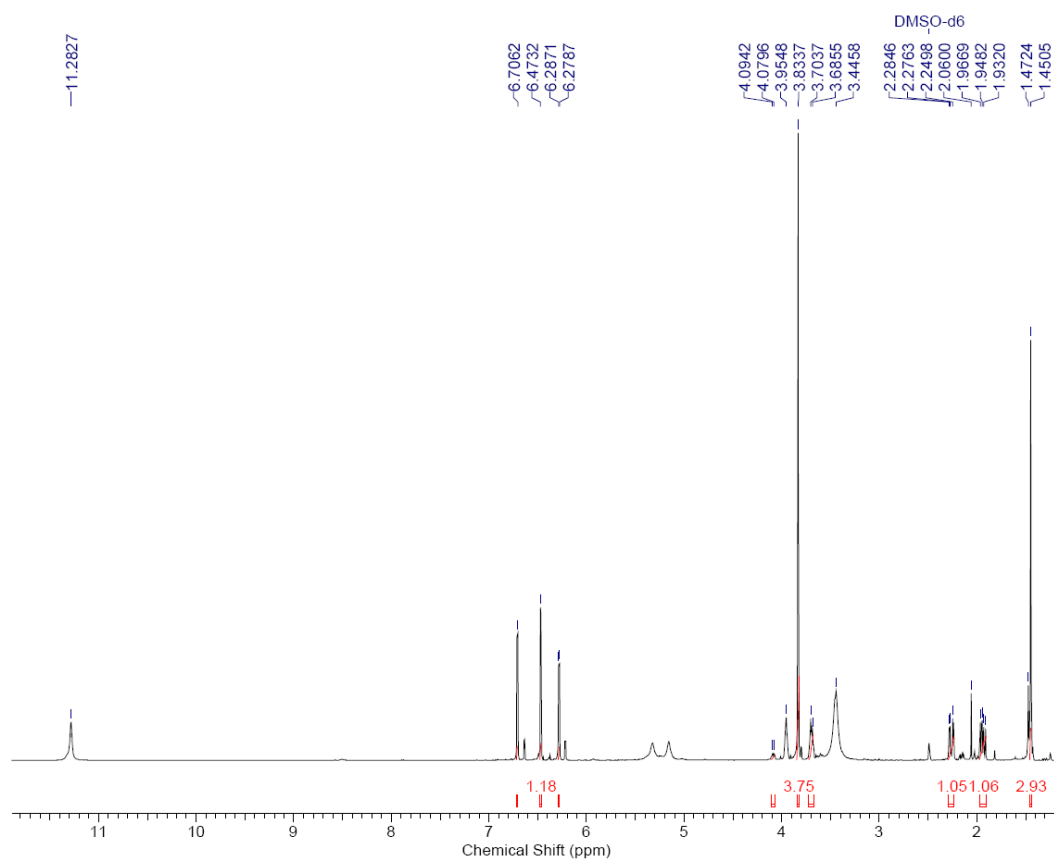


Figure S7. ¹H NMR spectrum of altenuene (5) (400 MHz, DMSO-*d*₆).

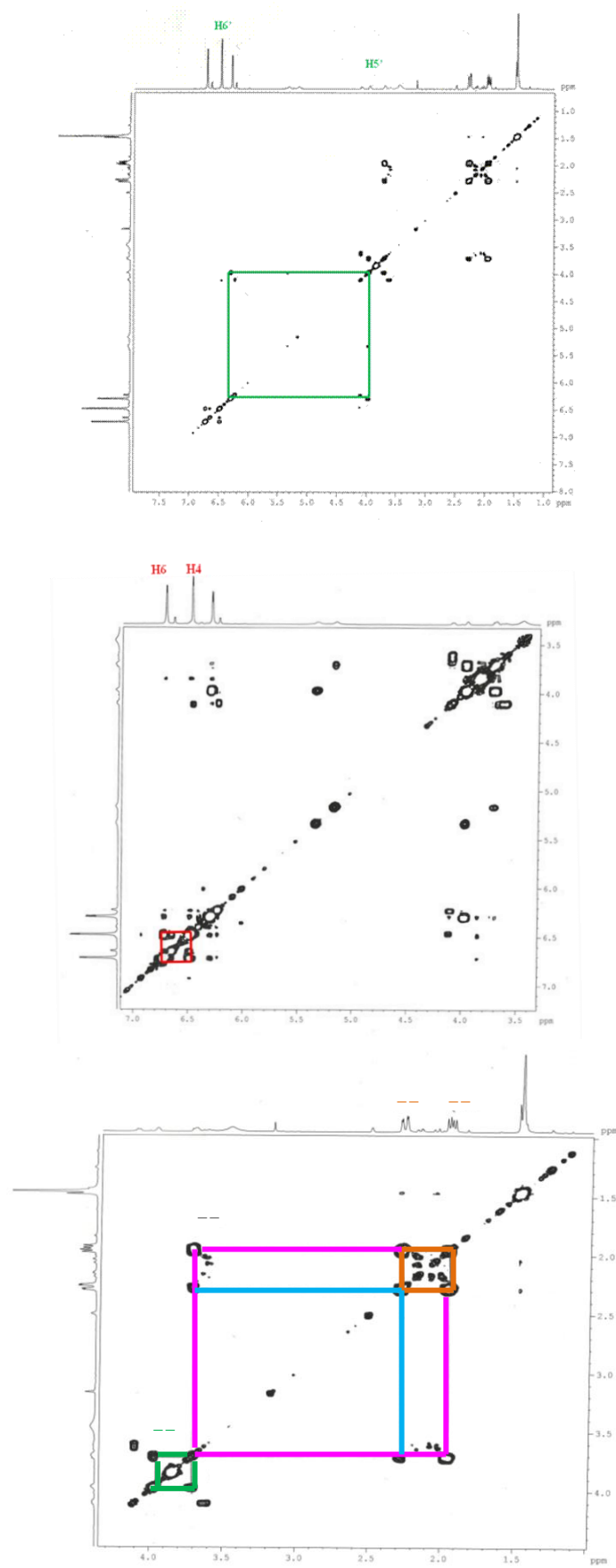


Figure S8. g-COSY of altenuene (5) (400 MHz, DMSO-*d*₆).

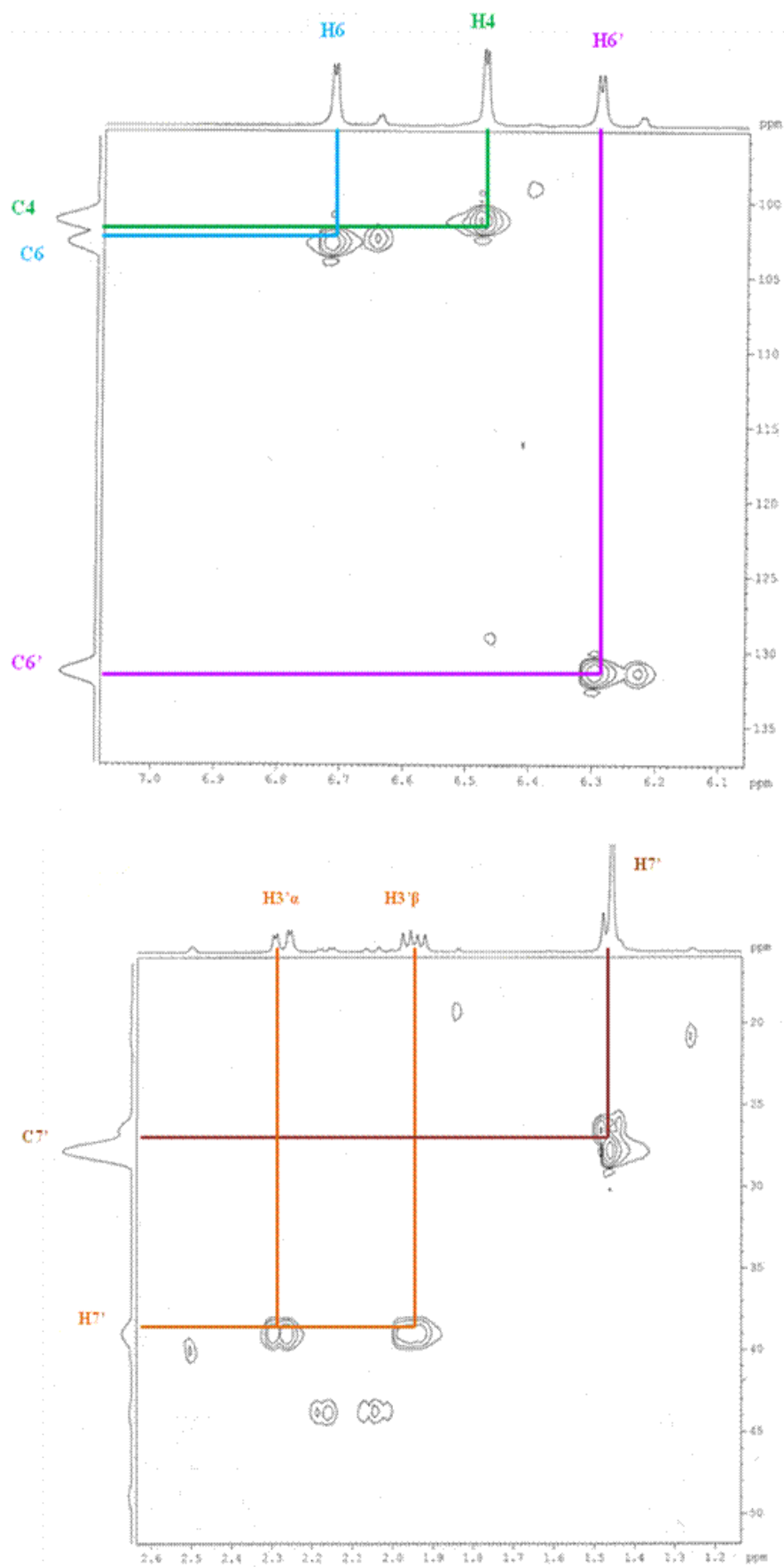


Figure S9. g-HSQC of altenuene (**5**) (400 MHz, DMSO-*d*₆).

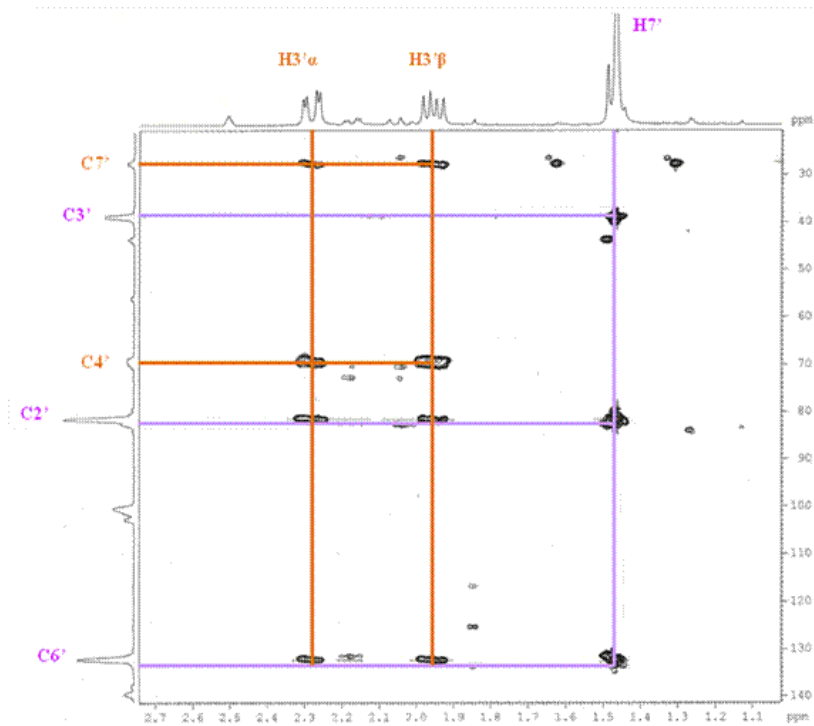
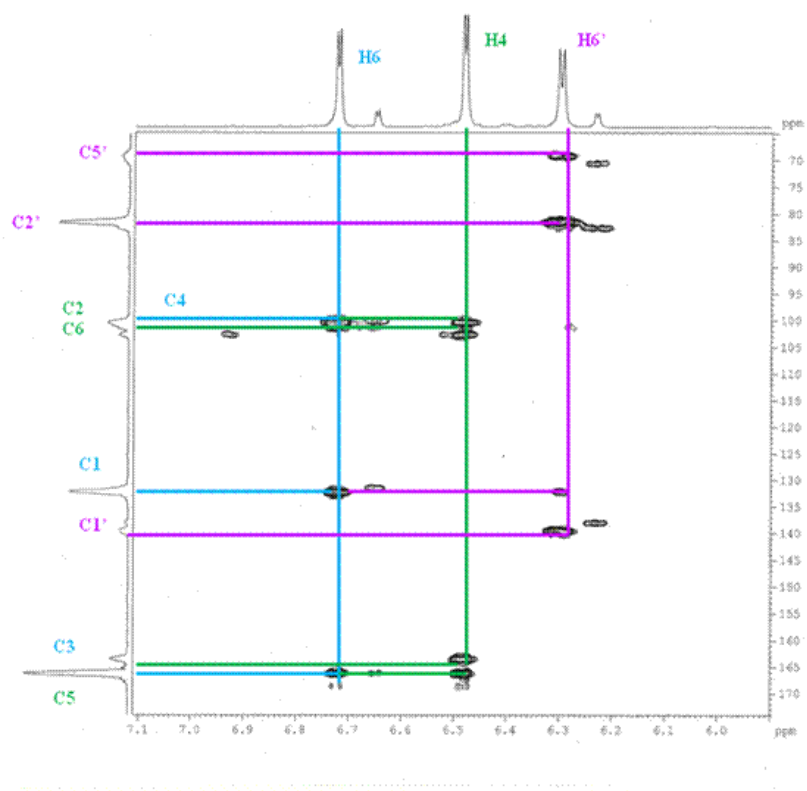


Figure S10. g-HMBC of altenuene (5) (400 MHz, DMSO-*d*₆).

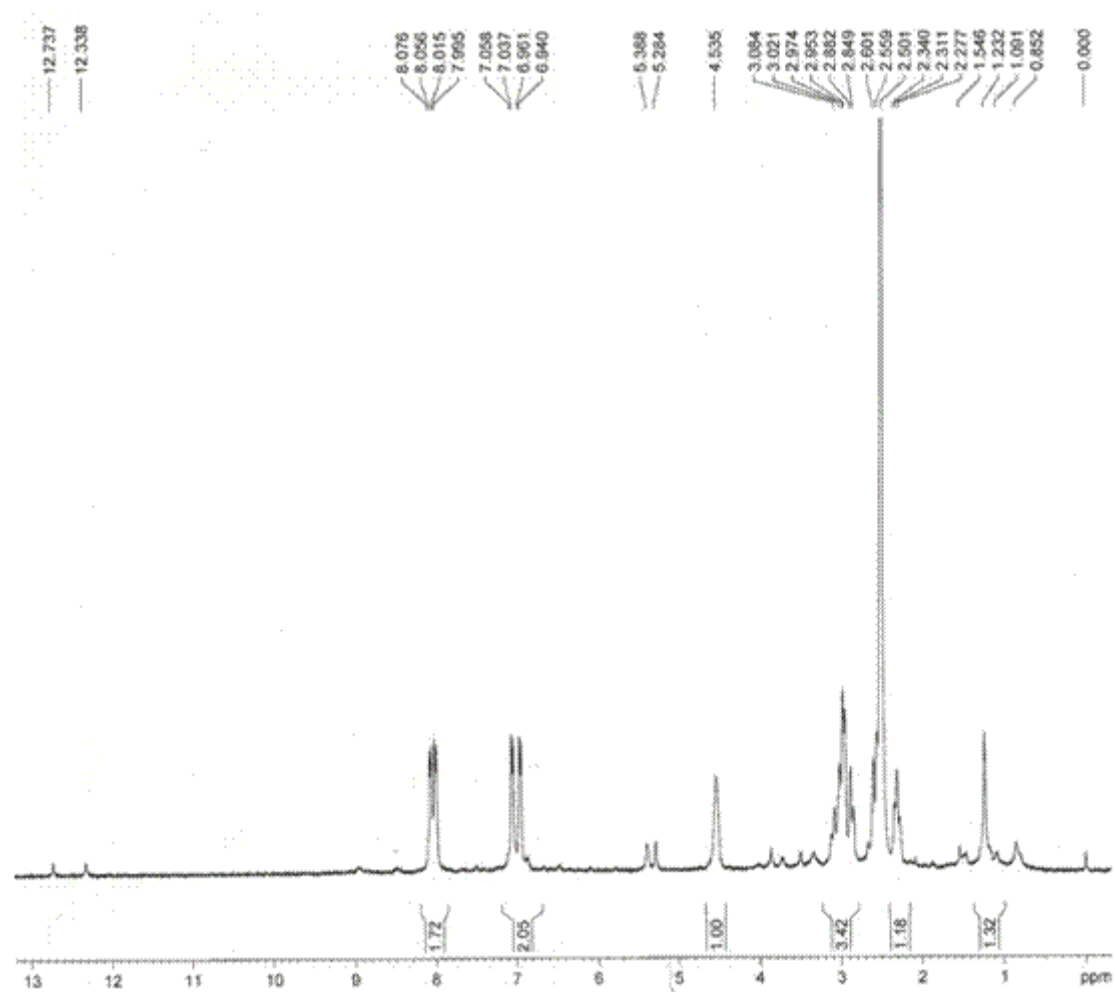


Figure S11. ^1H NMR spectrum of altertoxin I (**6**) (400 MHz, $\text{DMSO}-d_6$).

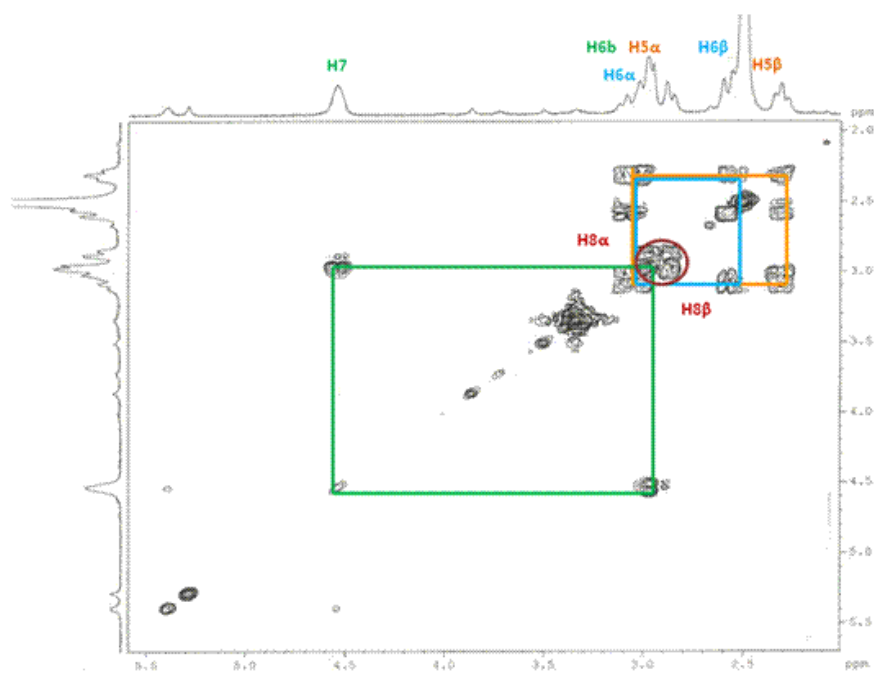


Figure S12. g-COSY of altertoxin I (**6**) (400 MHz, $\text{DMSO}-d_6$).

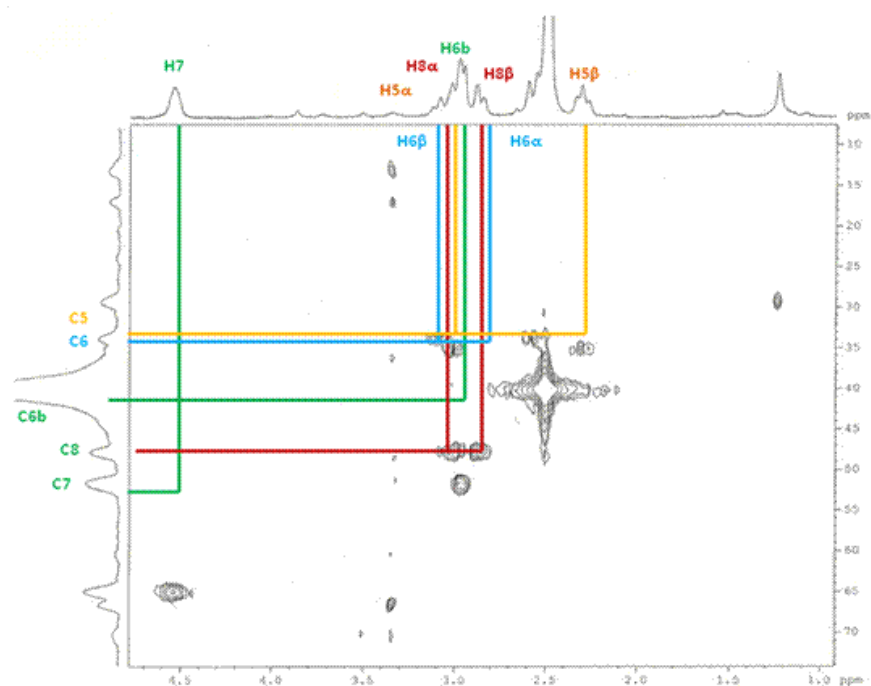


Figure S13. g-HSQC of altertotoxin I (**6**) (400 MHz, DMSO- d_6).

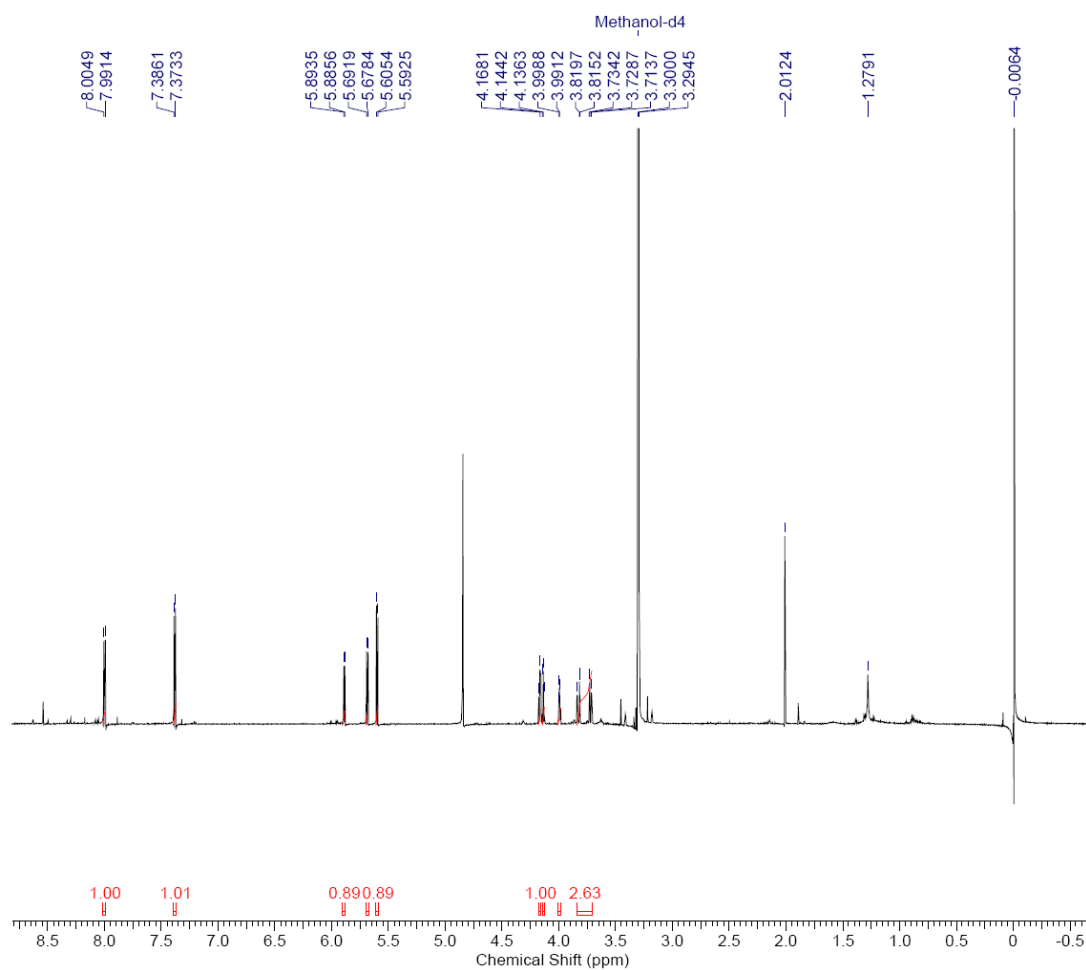


Figure S14. ^1H NMR spectrum of uridine and uracil (600 MHz, MeOD).

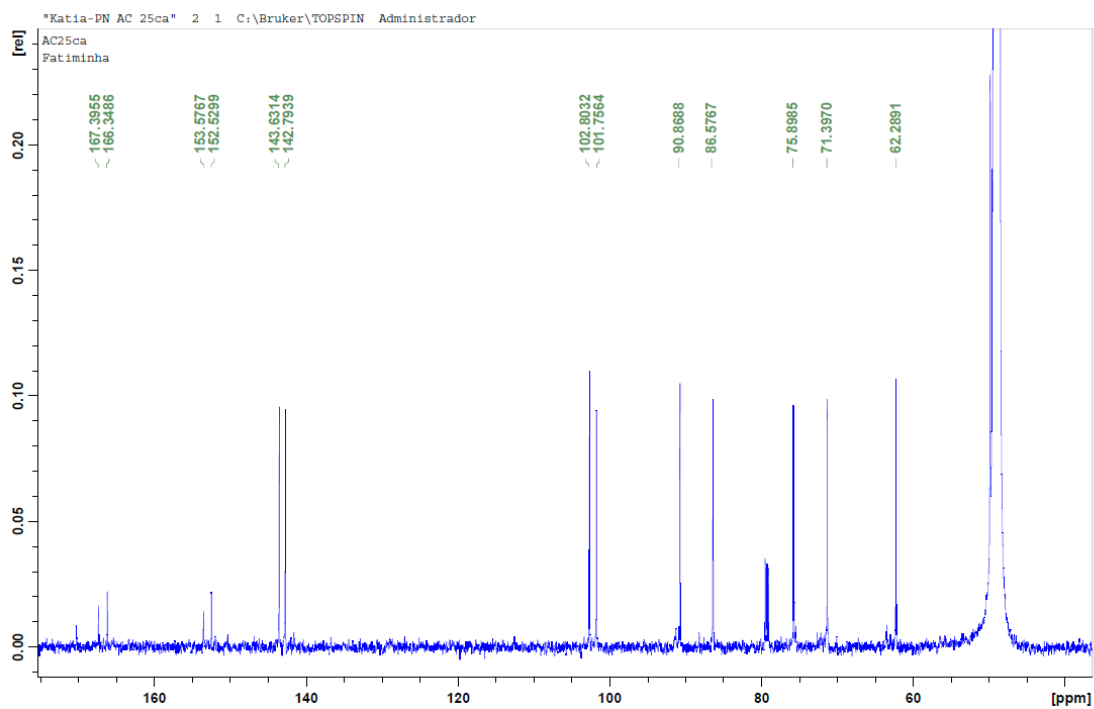


Figure S15. ^{13}C NMR spectrum of uridine and uracil (125 MHz, MeOD).

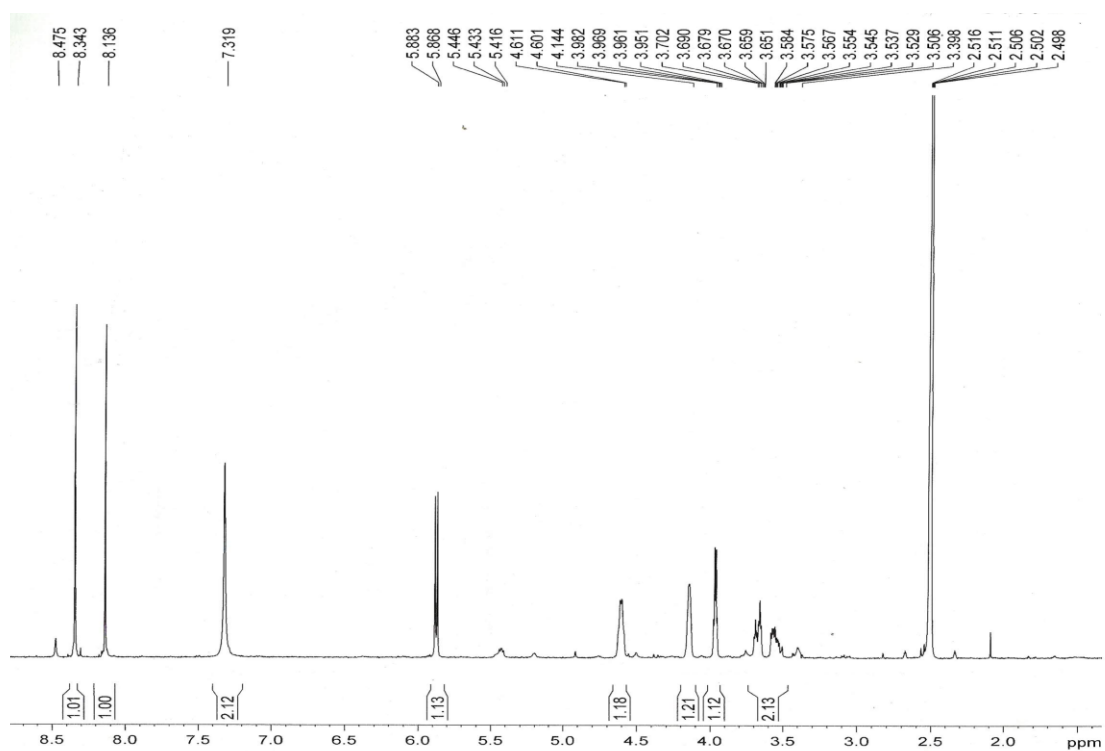


Figure S16. ^1H NMR spectrum of inosine (400 MHz, $\text{DMSO}-d_6$).

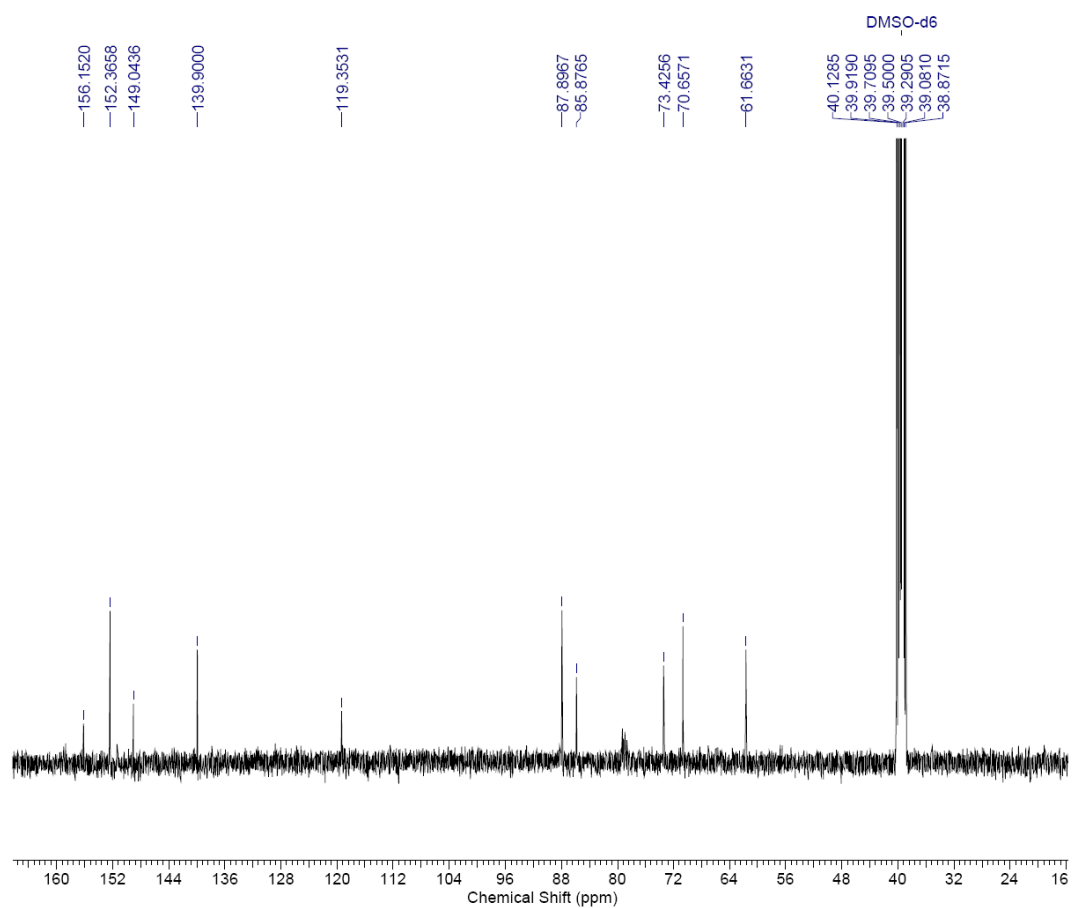


Figure S17. ^{13}C NMR spectrum of inosine (100 MHz, DMSO- d_6).

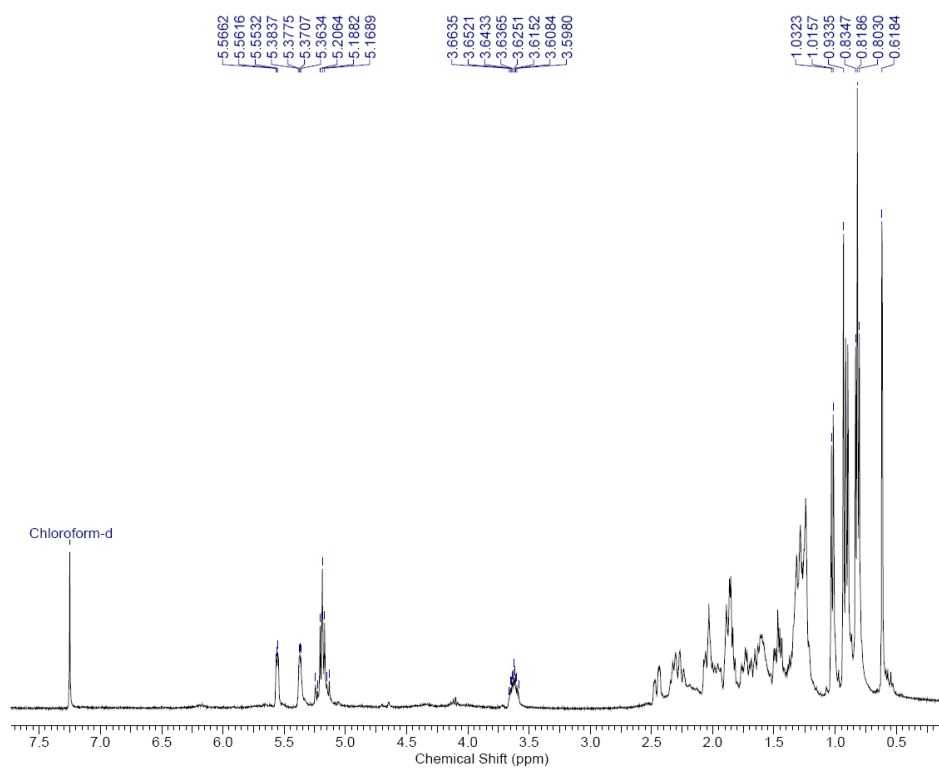


Figure S18. ^1H NMR spectrum of ergosterol (400 MHz, CDCl_3).

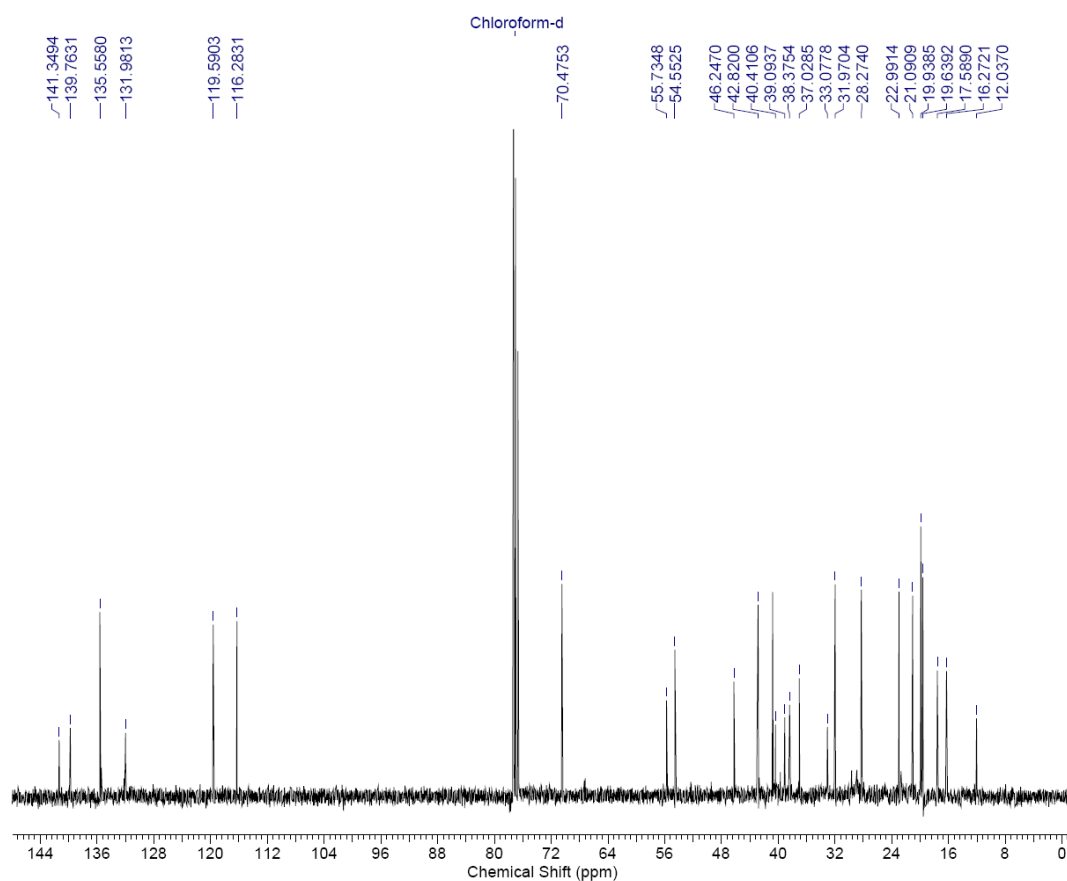


Figure S19. ¹³C NMR spectrum of ergosterol (100 MHz, CDCl₃).

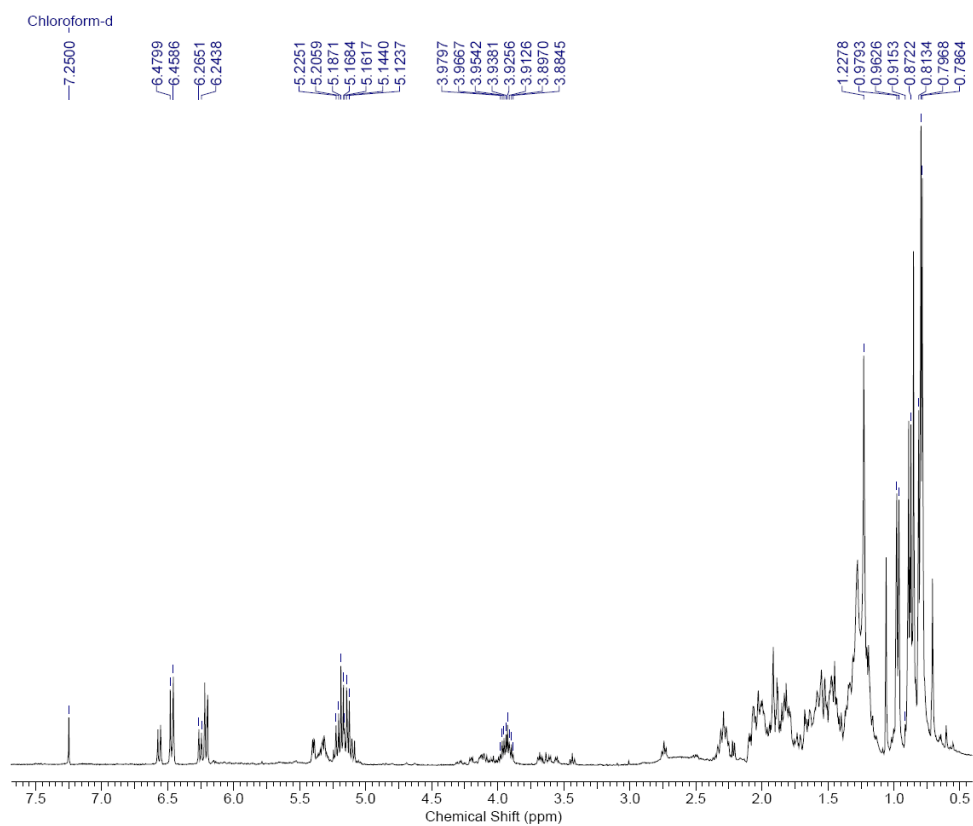


Figure S20. ¹H NMR spectrum of ergosterol peroxide (400 MHz, CDCl₃).

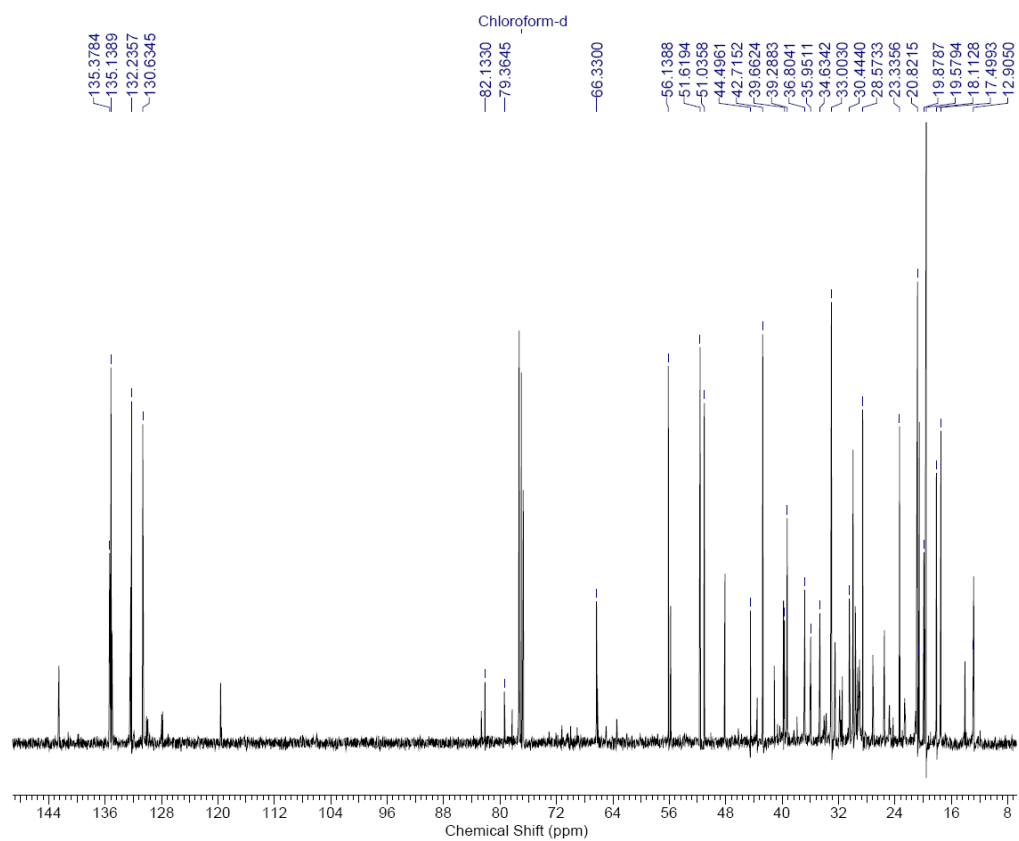


Figure S21. ^{13}C NMR spectrum of ergosterol peroxide (100 MHz, CDCl_3).