

Supplementary Information

for

The Marine-Derived Fungus *Tinctoporellus* sp. CBMAI 1061 Degrades the Dye Remazol Brilliant Blue R Producing Anthraquinones and Unique Tremulane Sesquiterpenes

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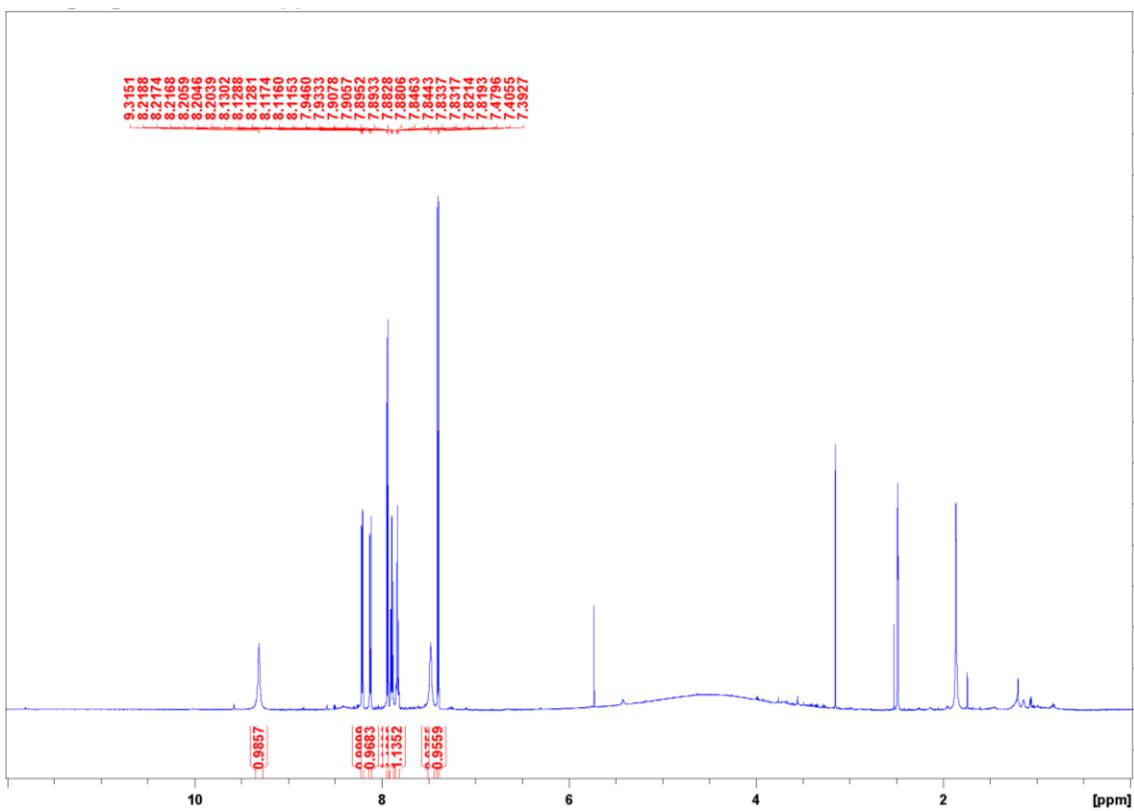


Figure S1. ^1H NMR spectrum (600 MHz, $\text{DMSO}-d_6$) of anthraquinone **2**.

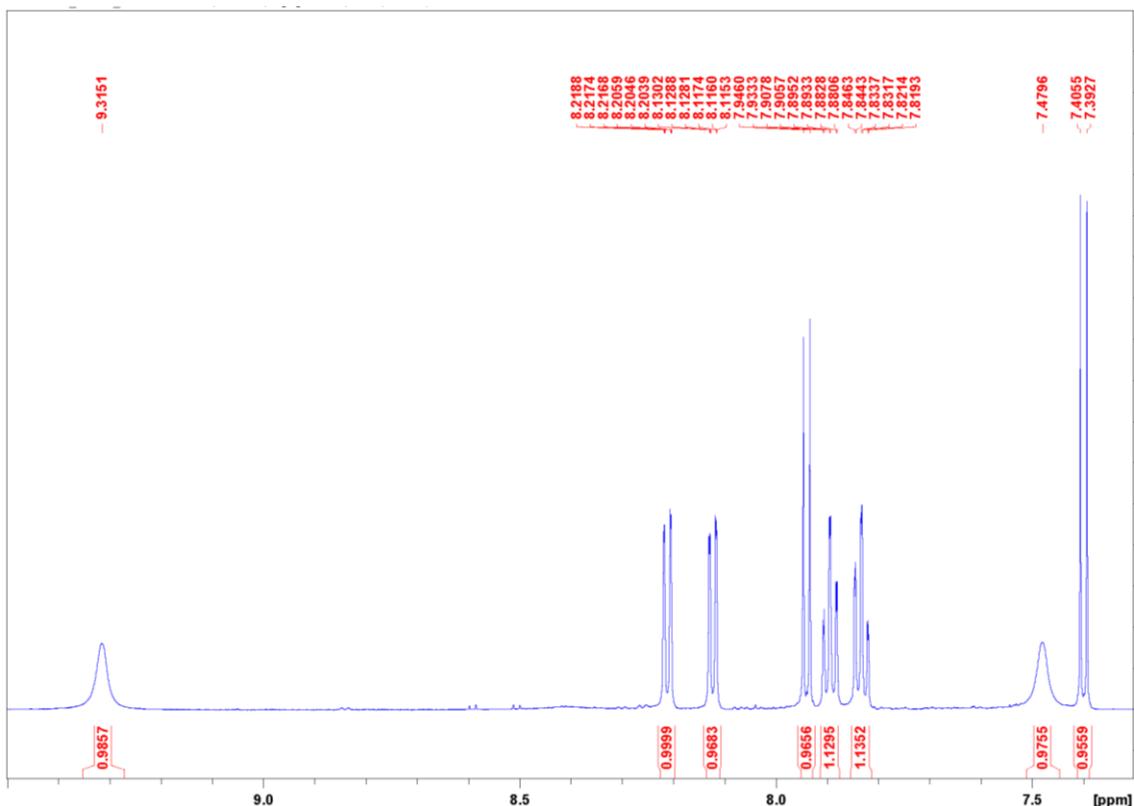


Figure S2. Expansion of the ^1H NMR spectrum (600 MHz, $\text{DMSO}-d_6$) of anthraquinone **2**.

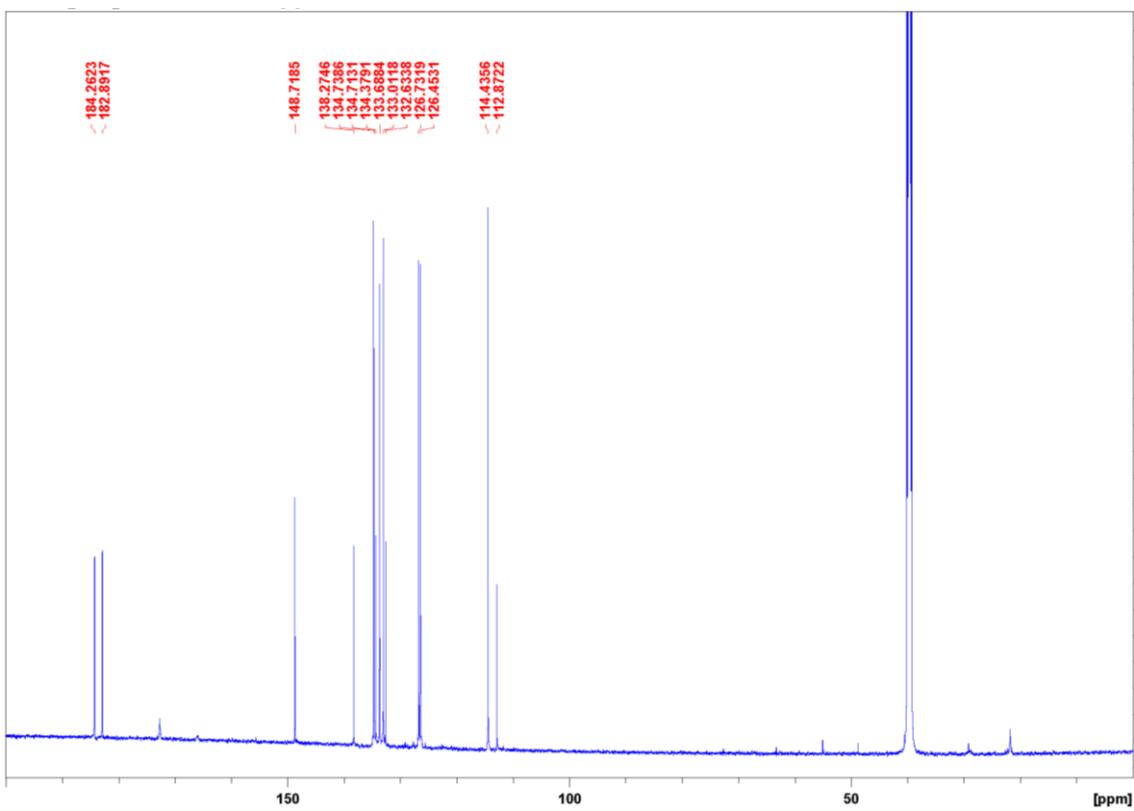


Figure S3. ^{13}C NMR spectrum (150 MHz, DMSO- d_6) of anthraquinone 2.

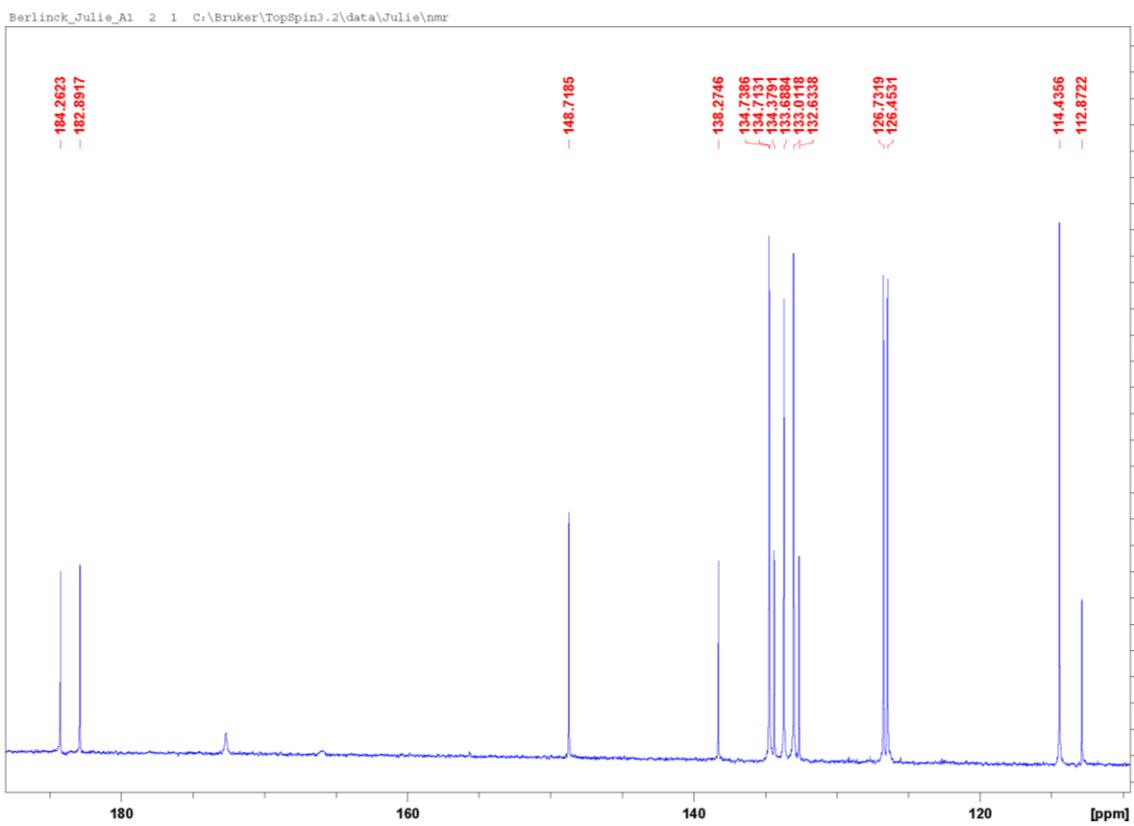


Figure S4. Expansion of the ^{13}C NMR spectrum (150 MHz, DMSO- d_6) of anthraquinone 2.

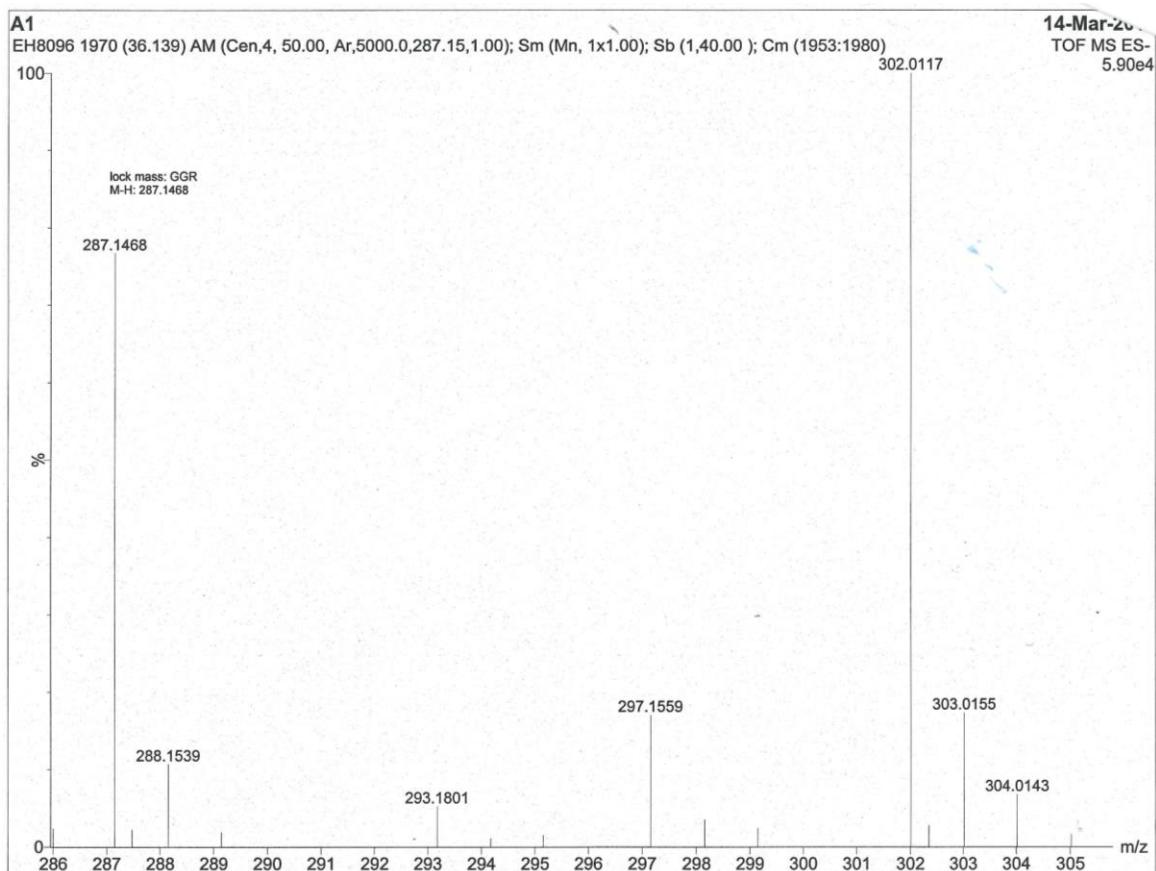


Figure S5. HRFESI Mass Spectrum of anthraquinone **2**.

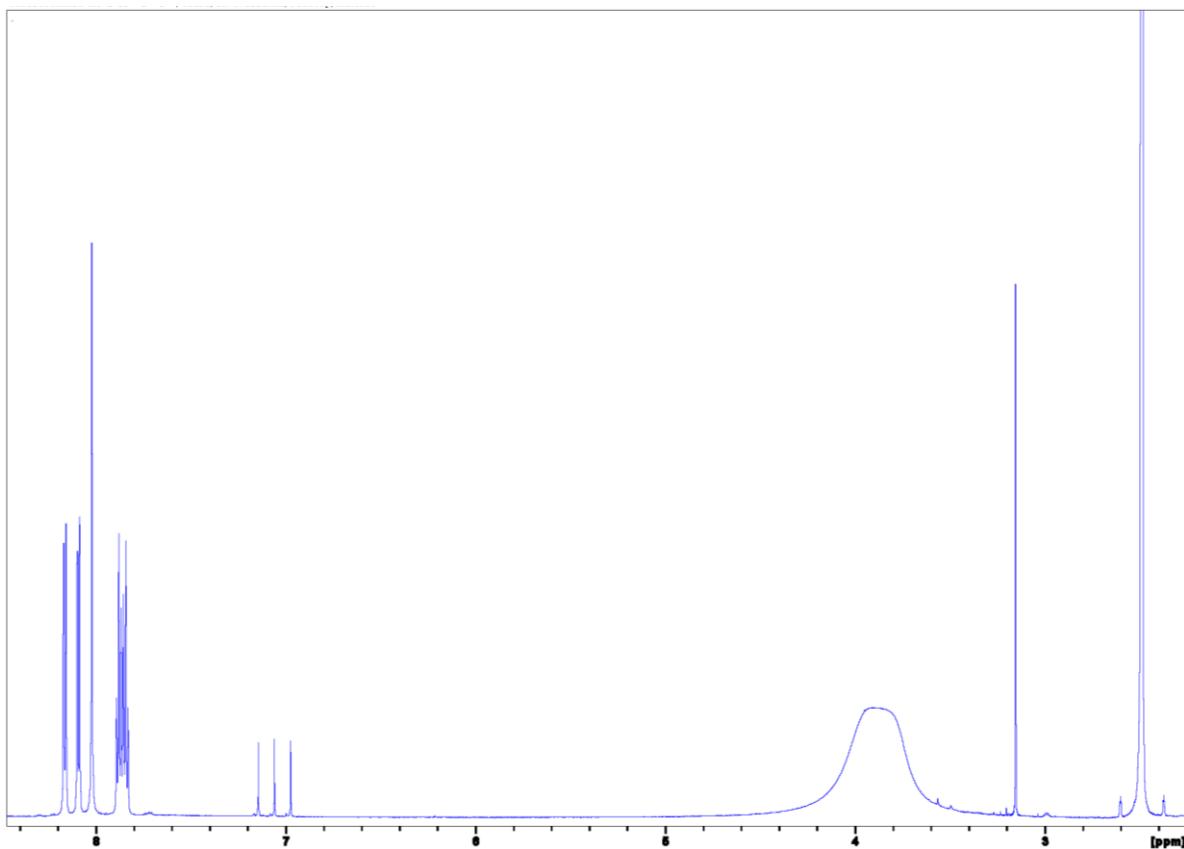


Figure S6. ¹H NMR spectrum (600 MHz, DMSO-d₆) of anthraquinone **3**.

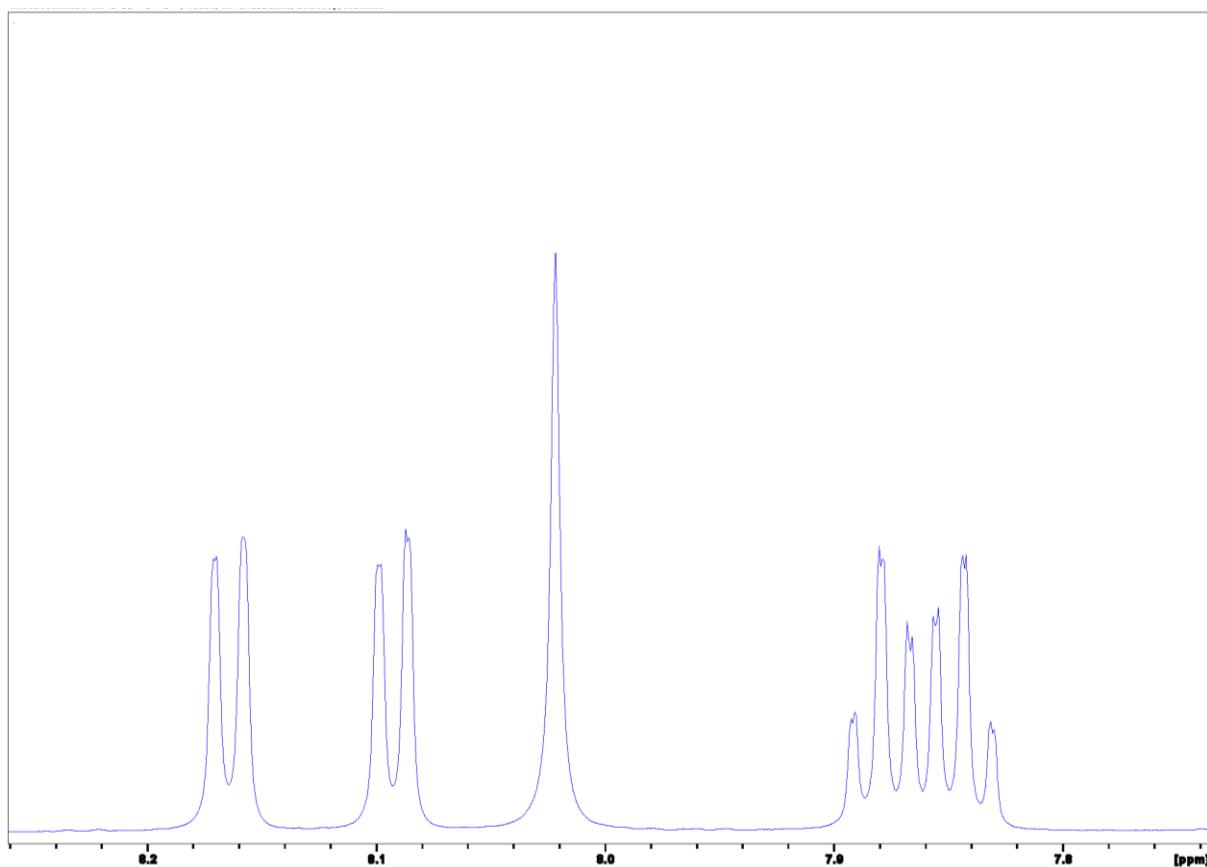


Figure S7. Expansion of the ^1H NMR spectrum (600 MHz, $\text{DMSO}-d_6$) of anthraquinone **3**.

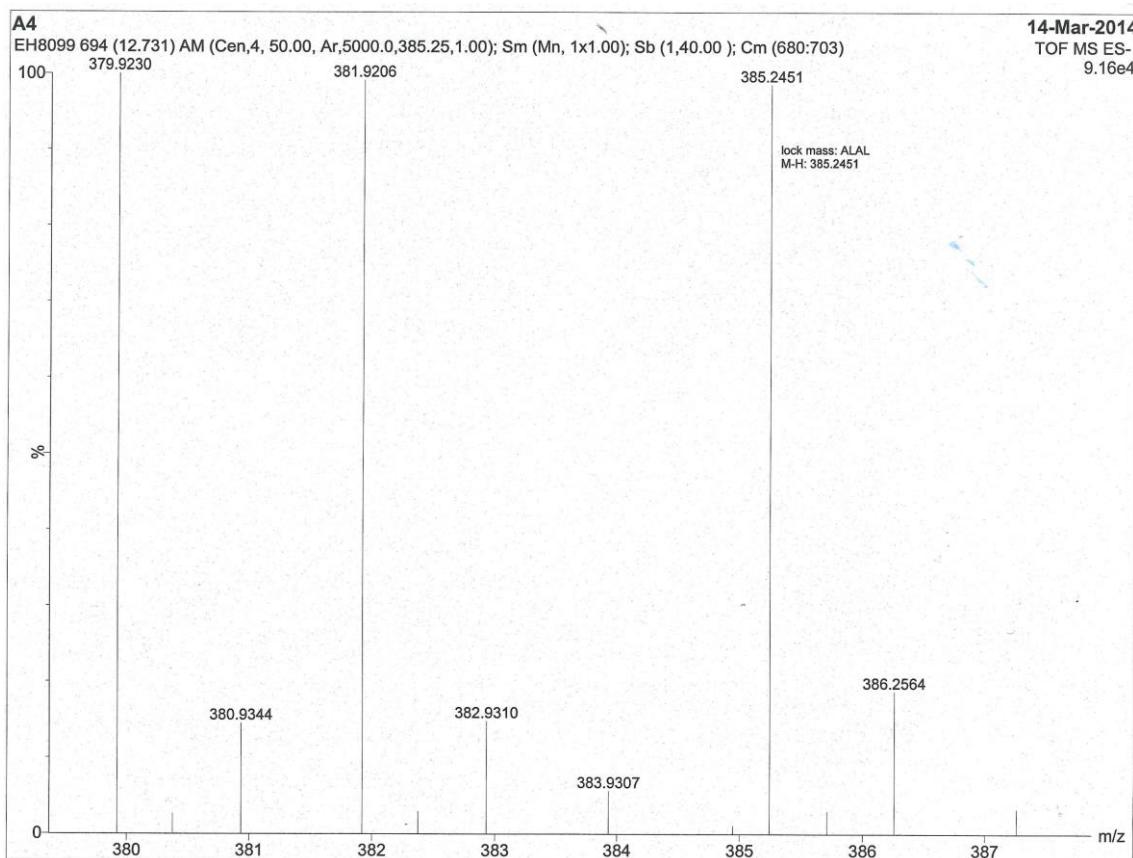


Figure S8. HRFESI Mass Spectrum of anthraquinone **3**.

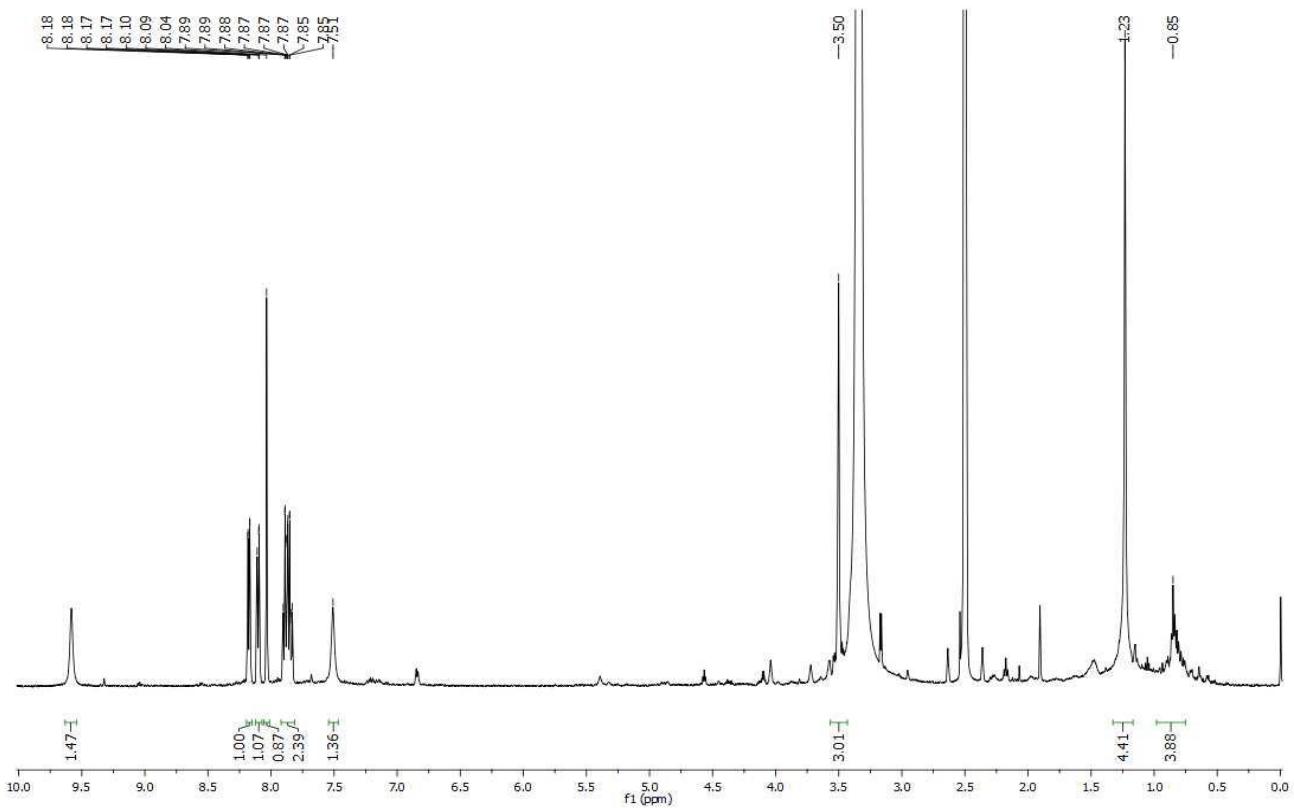


Figure S9. ^1H NMR spectrum (600 MHz, $\text{DMSO}-d_6$) of anthraquinone **4**.

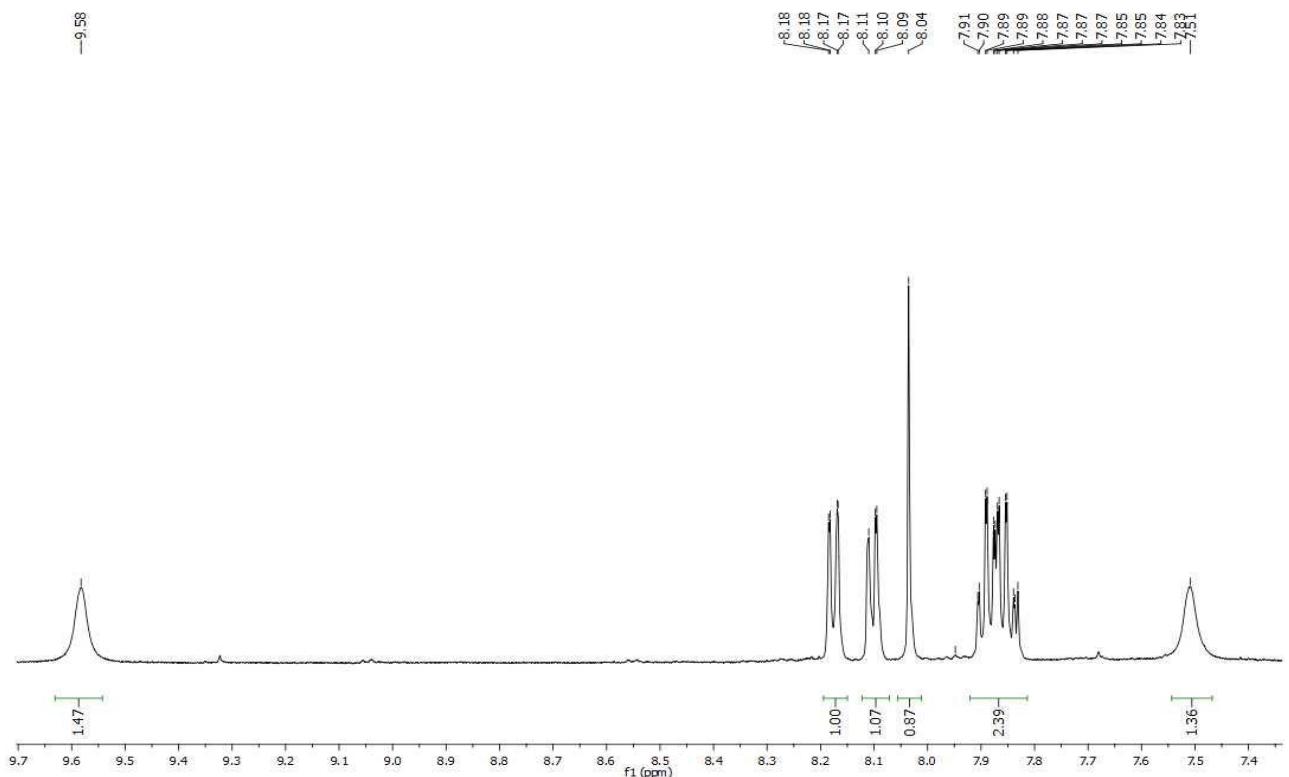


Figure S10. Expansion of the ^1H NMR spectrum (600 MHz, $\text{DMSO}-d_6$) of anthraquinone **4**.

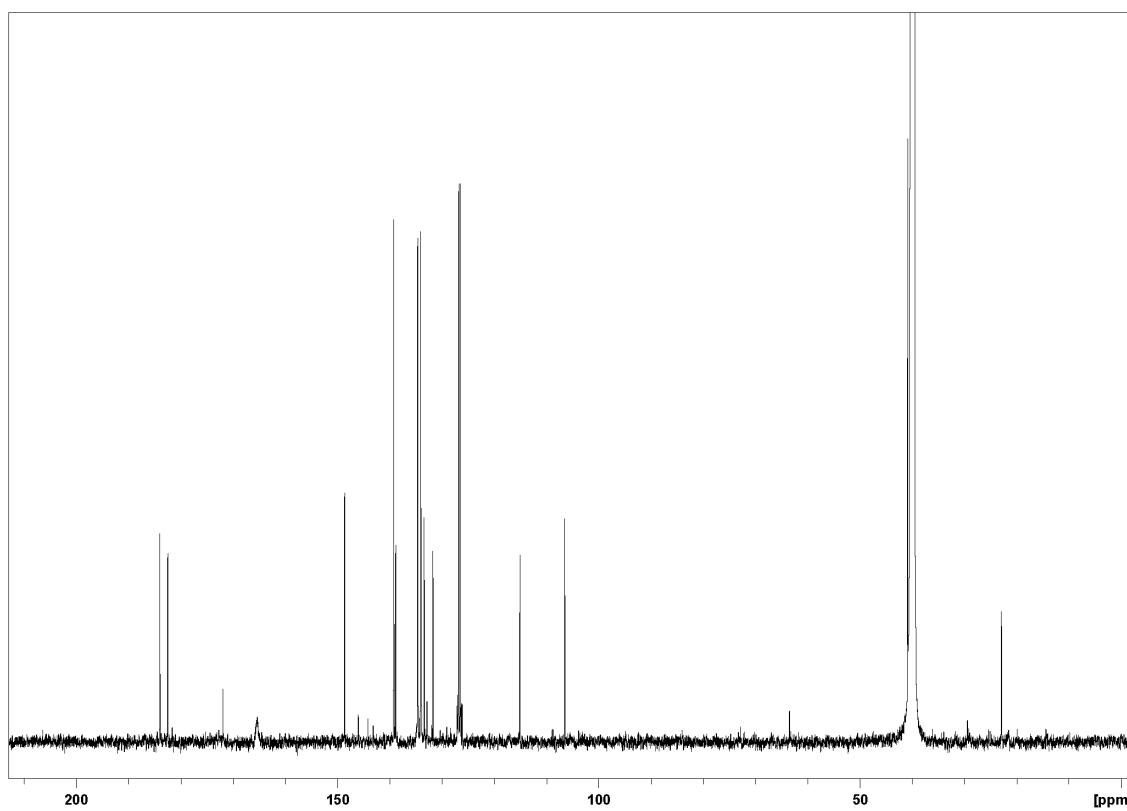


Figure S11. ¹³C NMR spectrum (150 MHz, DMSO-*d*₆) of anthraquinone **4**.

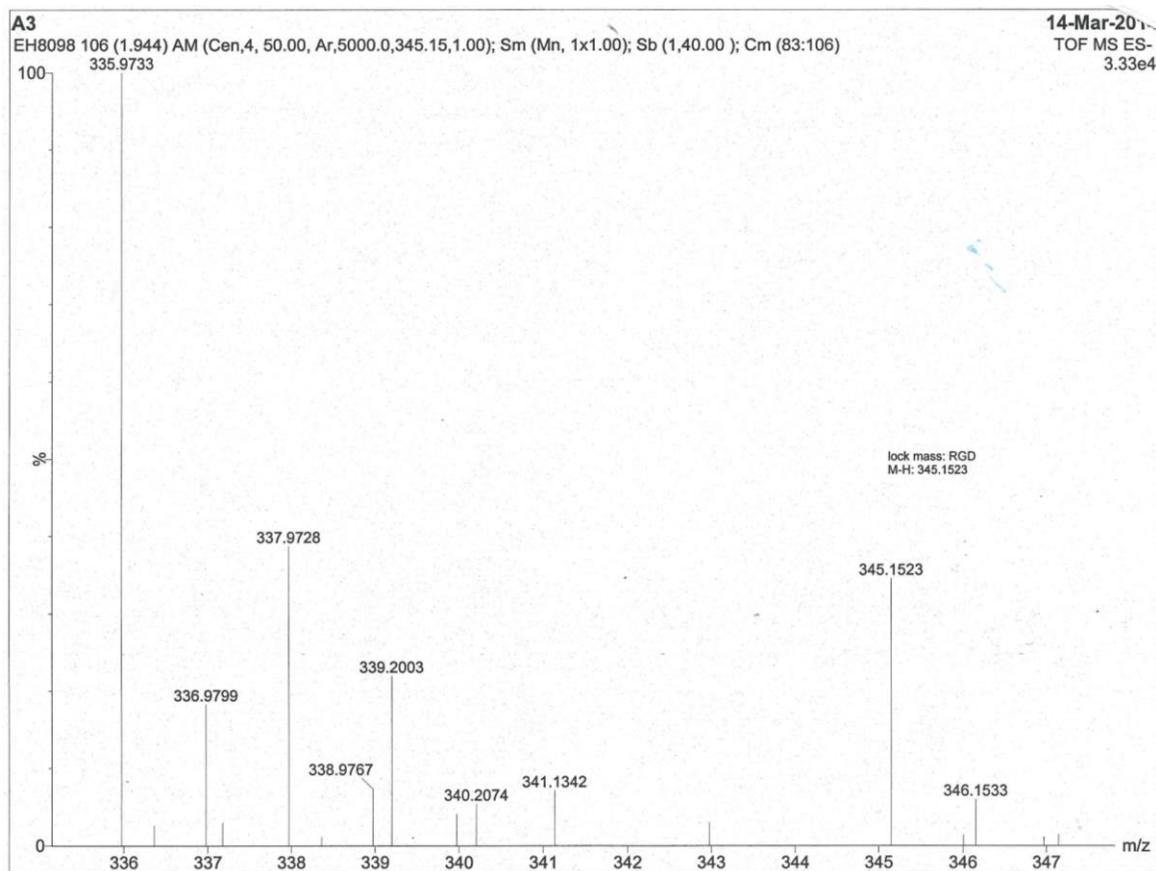


Figure S12. HRFTESI Mass Spectrum of anthraquinone **4**.

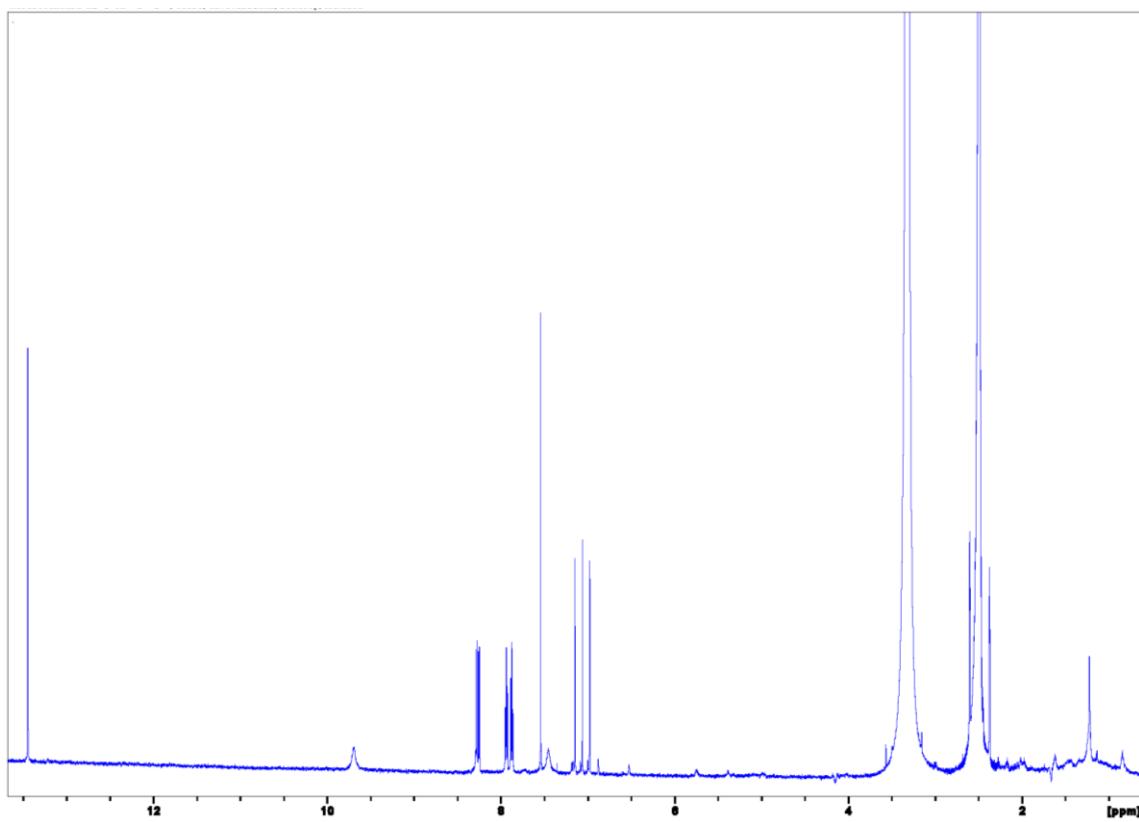


Figure S13. ¹H NMR spectrum (600 MHz, DMSO-*d*₆) of anthraquinone **5**.

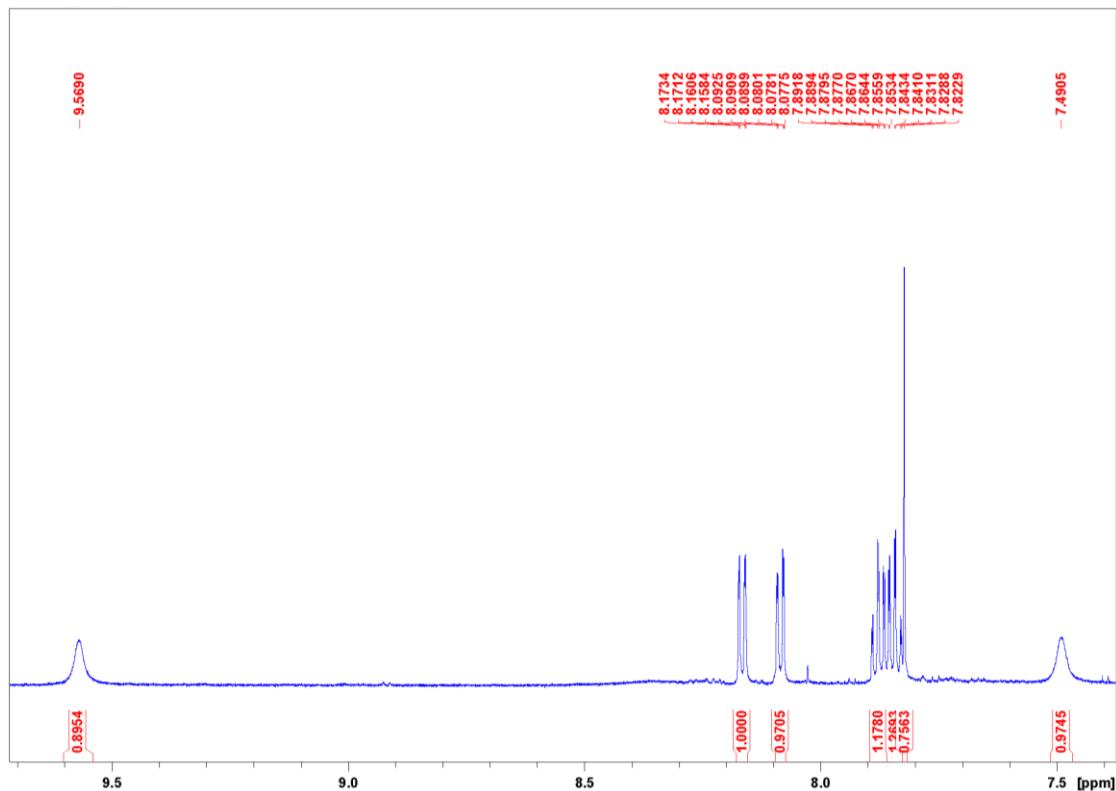


Figure S14. Expansion of the ¹H NMR spectrum (600 MHz, DMSO-*d*₆) of anthraquinone **5**.

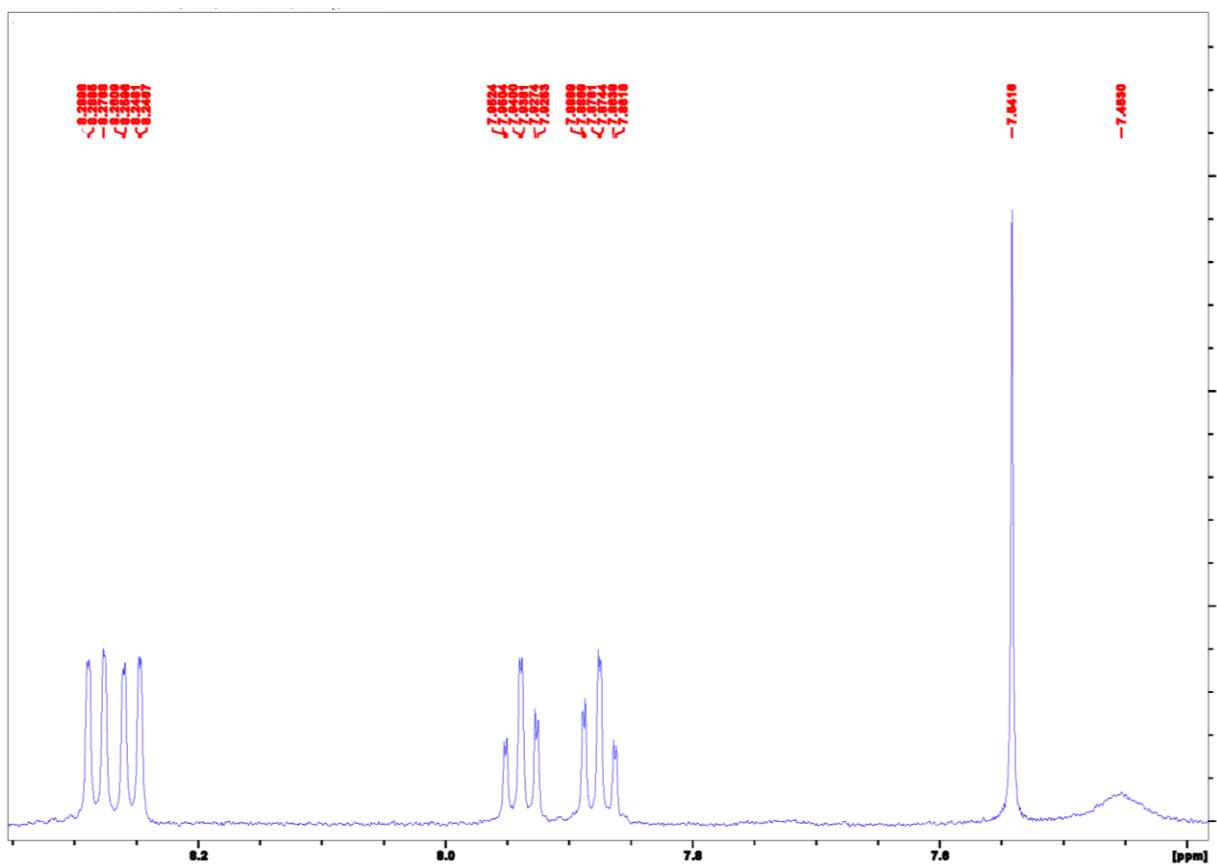


Figure S15. Expansion of the ^1H NMR spectrum (600 MHz, $\text{DMSO}-d_6$) of anthraquinone **5**.

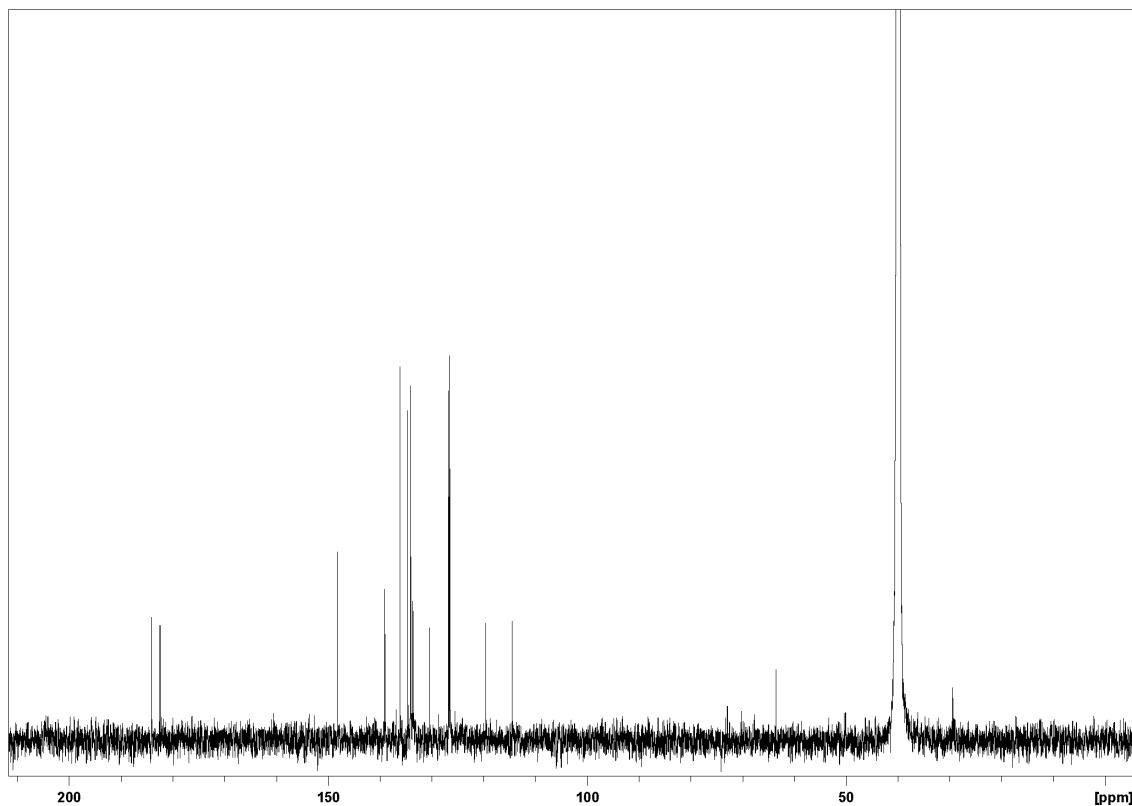


Figure S16. ^{13}C NMR spectrum (150 MHz, $\text{DMSO}-d_6$) of anthraquinone **5**.

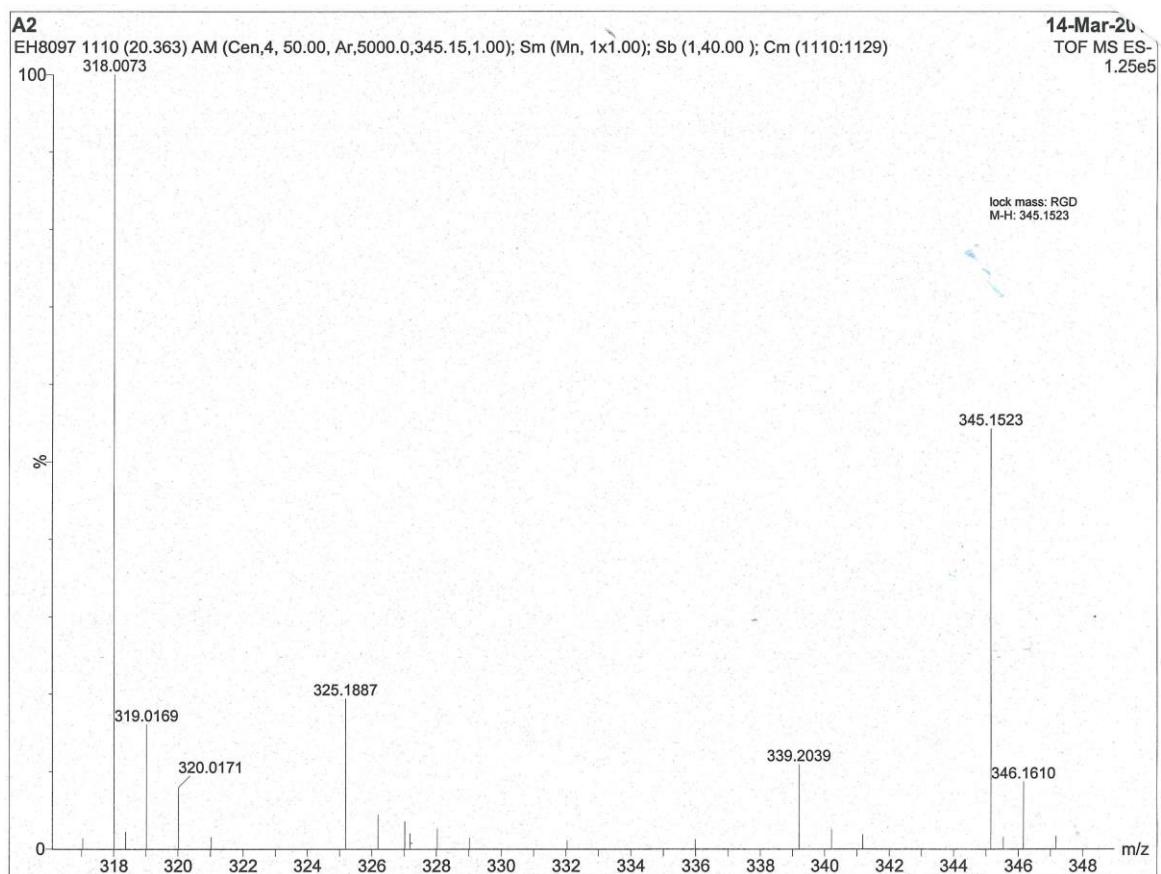


Figure S17. HRFTESI Mass Spectrum of anthraquinone 5.

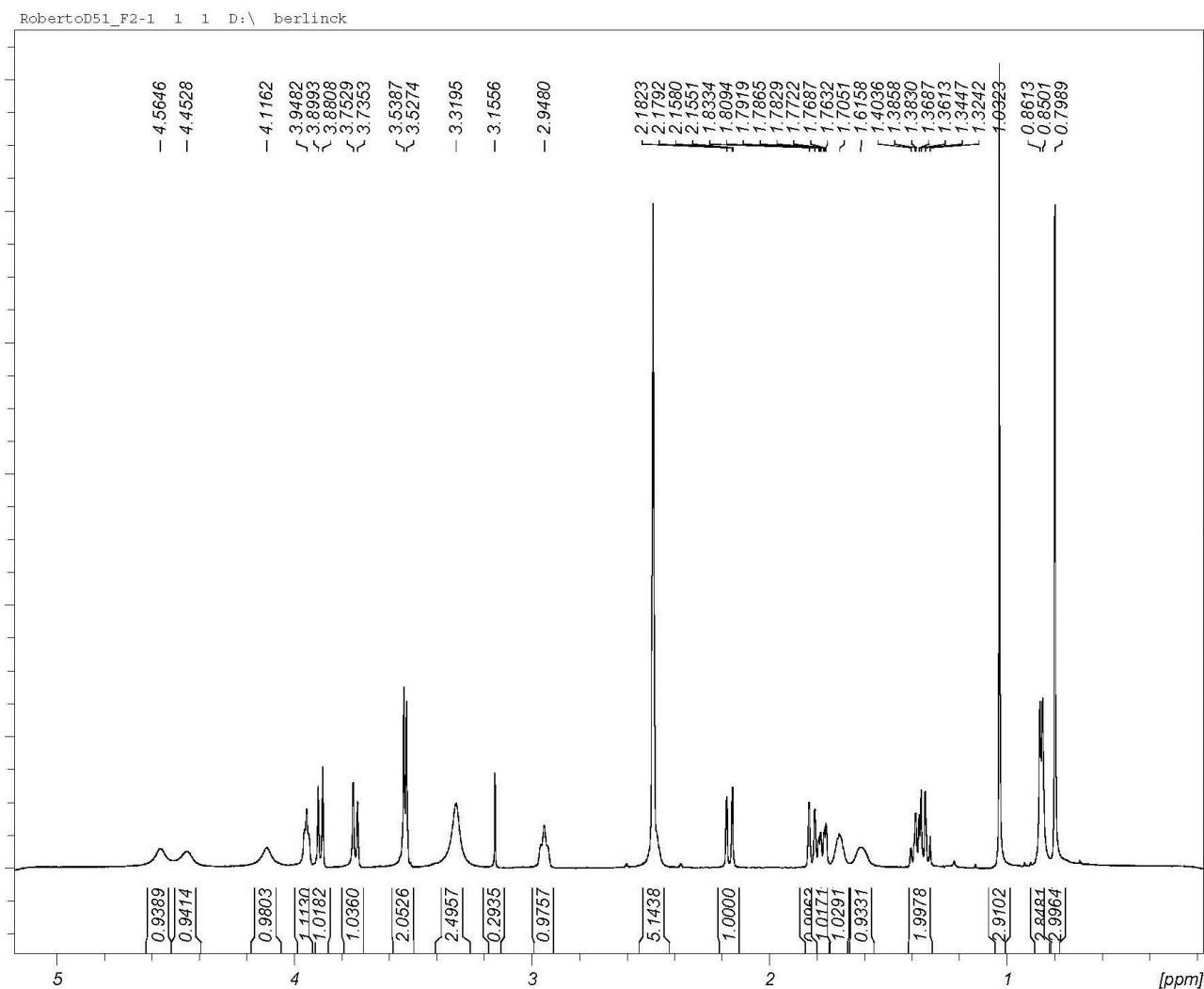


Figure S18. ^1H NMR spectrum of tremulenetriol (**6**) (DMSO- d_6 , 600 MHz).

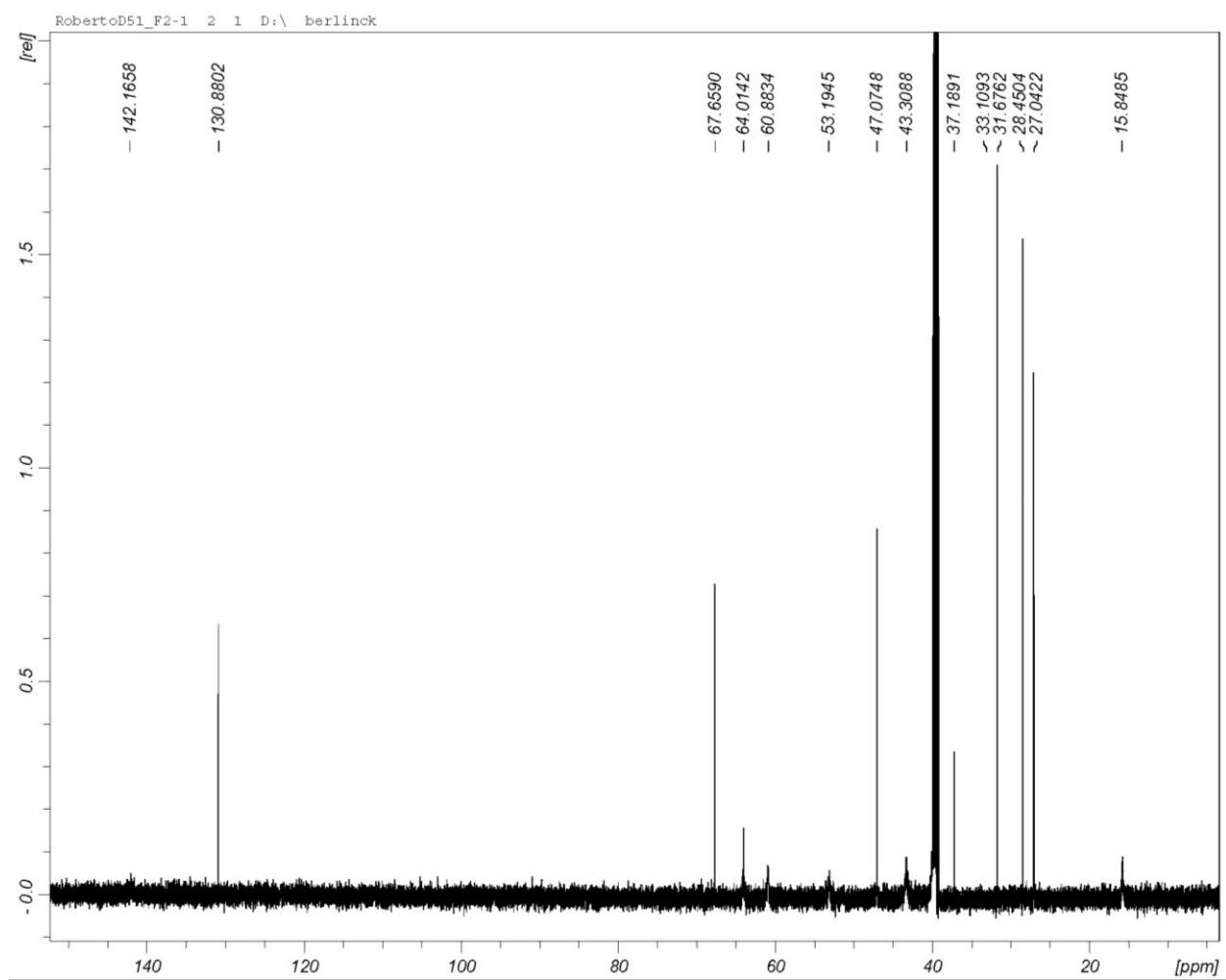


Figure S19. ¹³C NMR spectrum of tremulenetriol (**6**) (DMSO-*d*₆, 150 MHz).

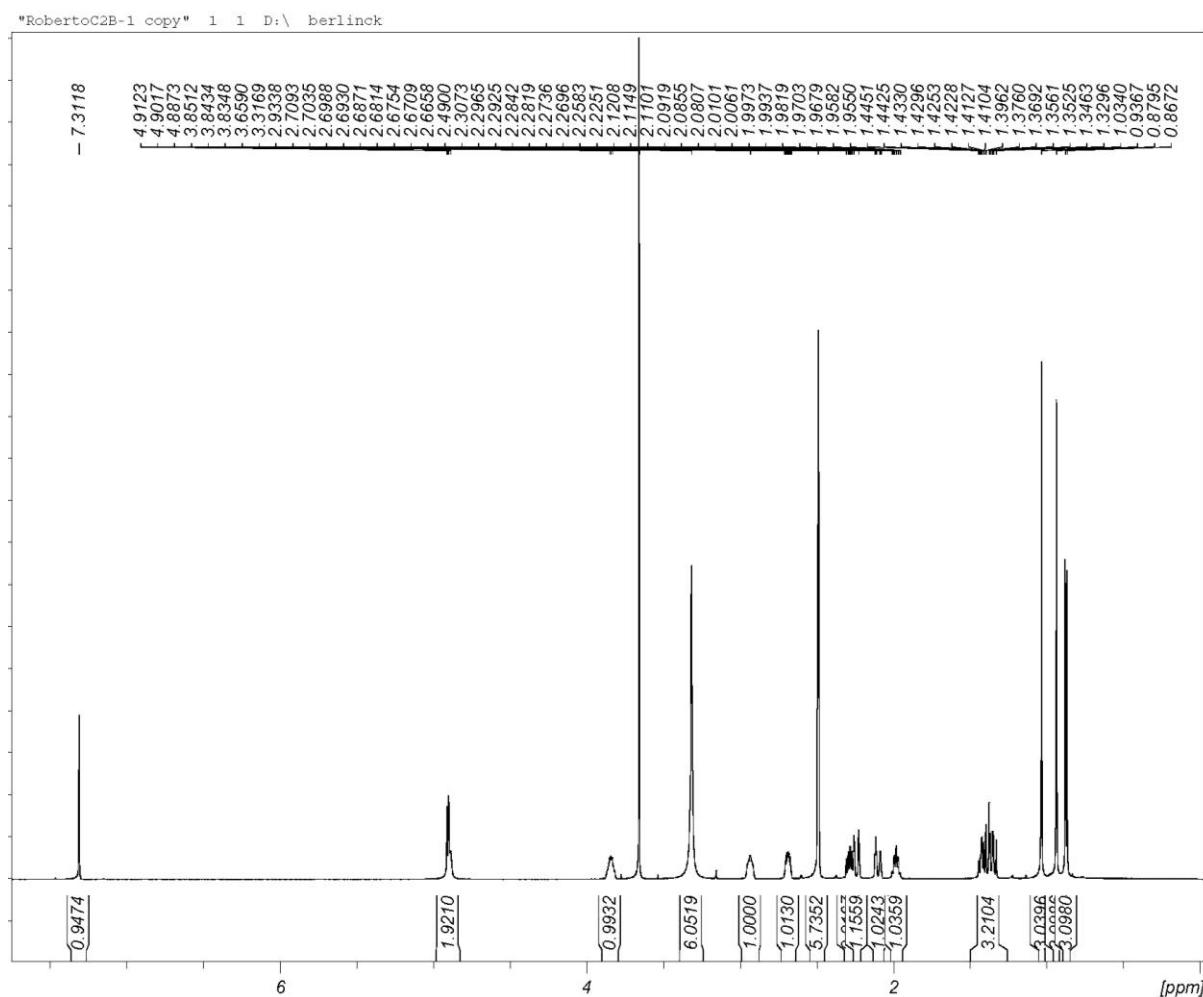


Figure S20. ^1H NMR spectrum of tremuleneimine N -oxide A (**7**) (DMSO- d_6 , 600 MHz).

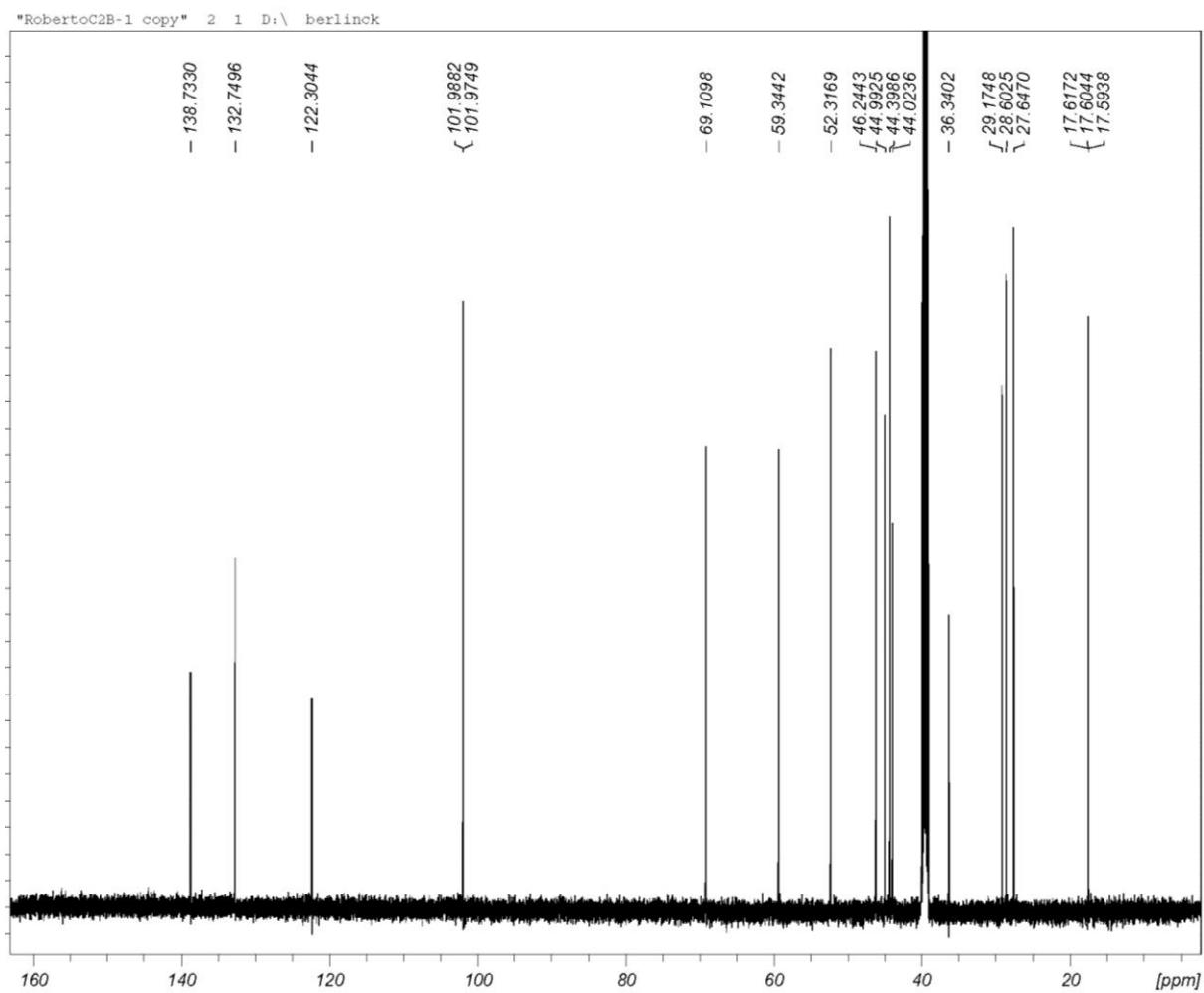


Figure S21. ¹³C NMR spectrum of tremuleneimine *N*-oxide A (**7**) (DMSO-*d*₆, 150 MHz).

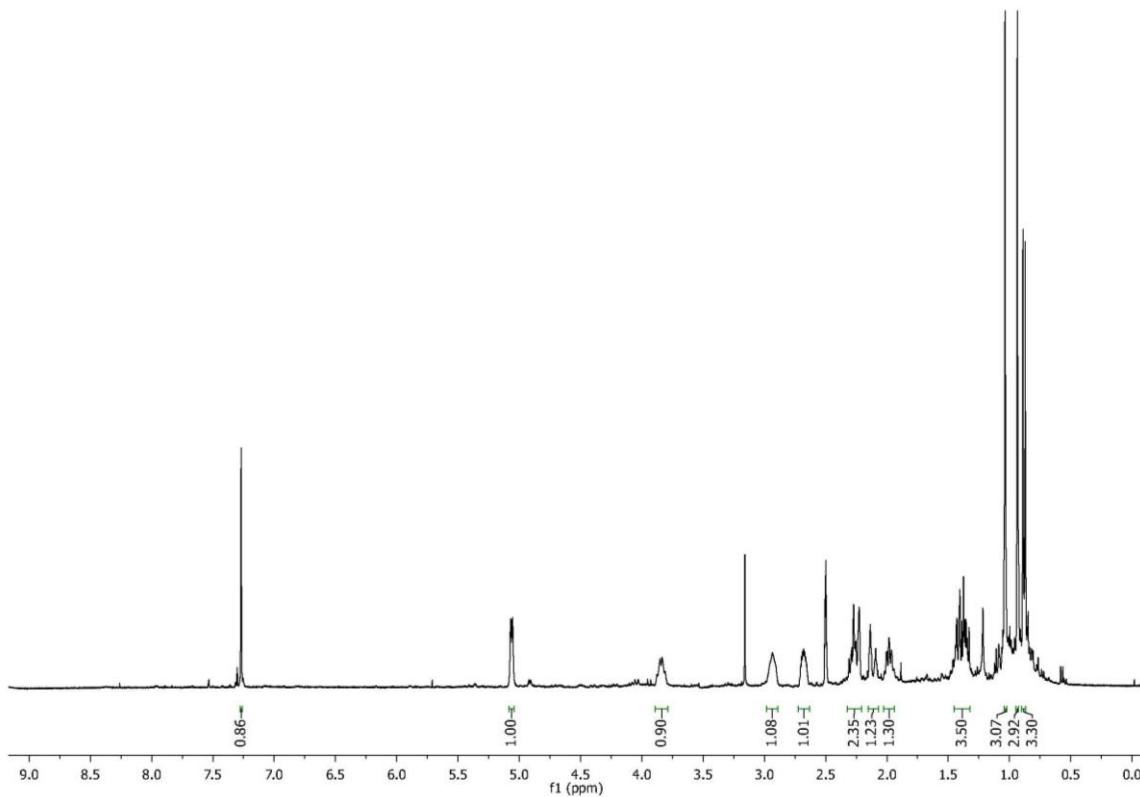


Figure S22. ¹H NMR spectrum of tremuleneimine *N*-oxide B (**8**) (DMSO-*d*₆, 400 MHz).

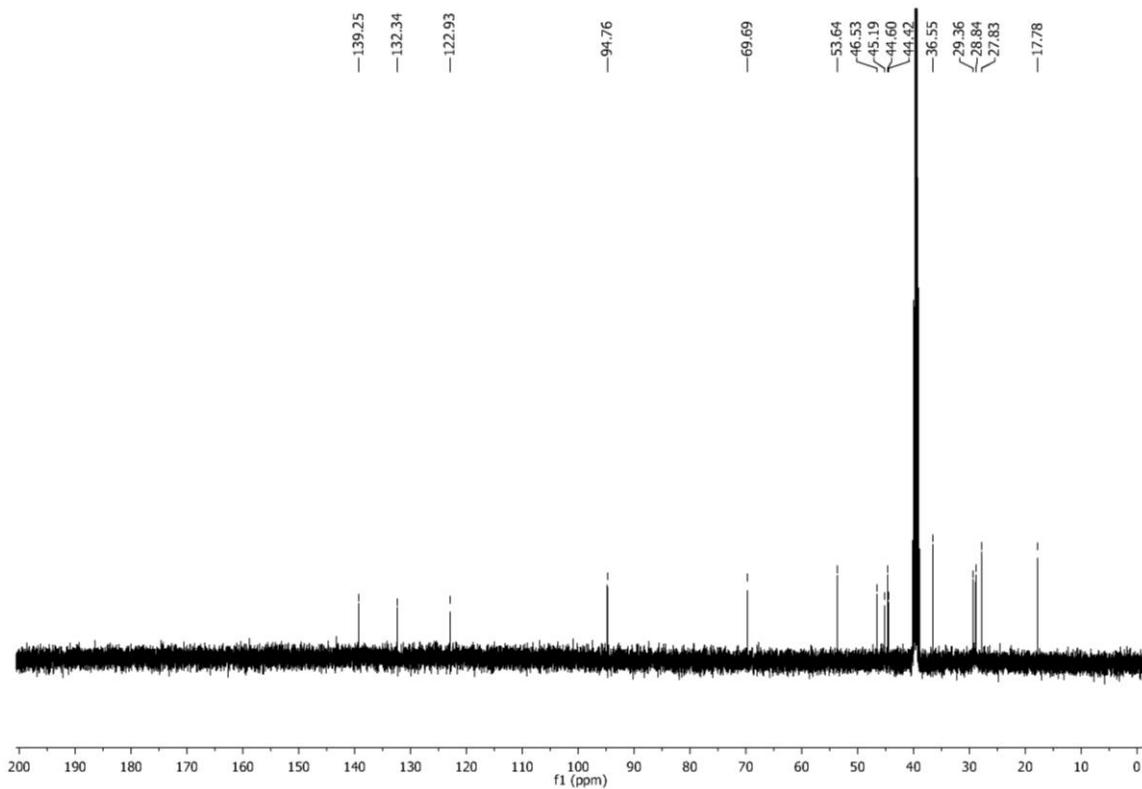


Figure S23. ¹³C NMR spectrum of tremuleneimine *N*-oxide B (**8**) (DMSO-*d*₆, 100 MHz).