

Supporting Information

Antibacterial and antioxidant compounds from the roots extract of *Aloe debrana*

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Figure S1. The fresh (a), chopped and dried (b) and grinded powder (c) roots of *A. debrana*

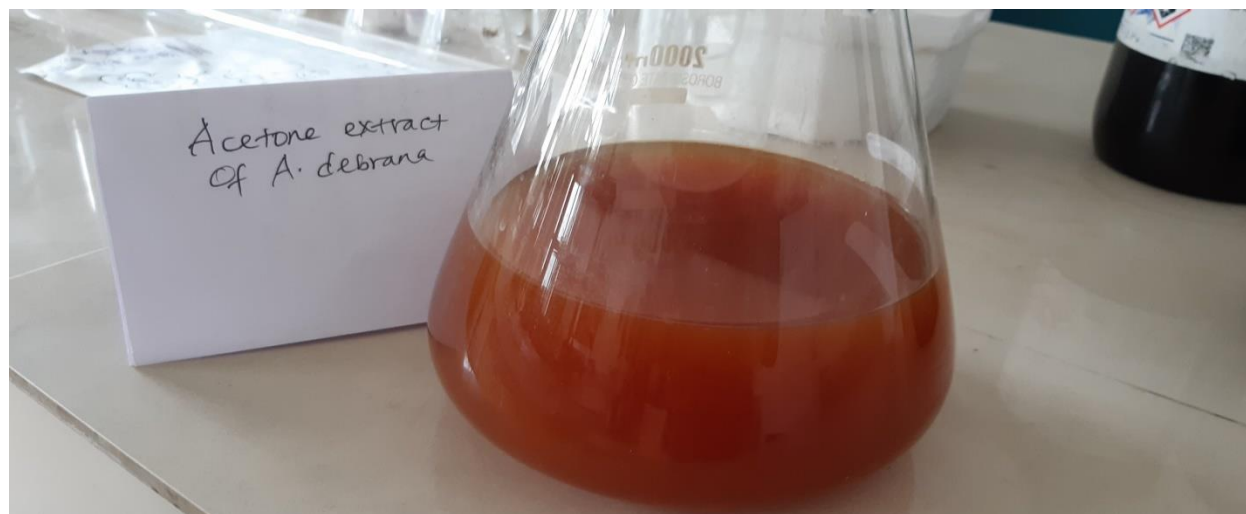
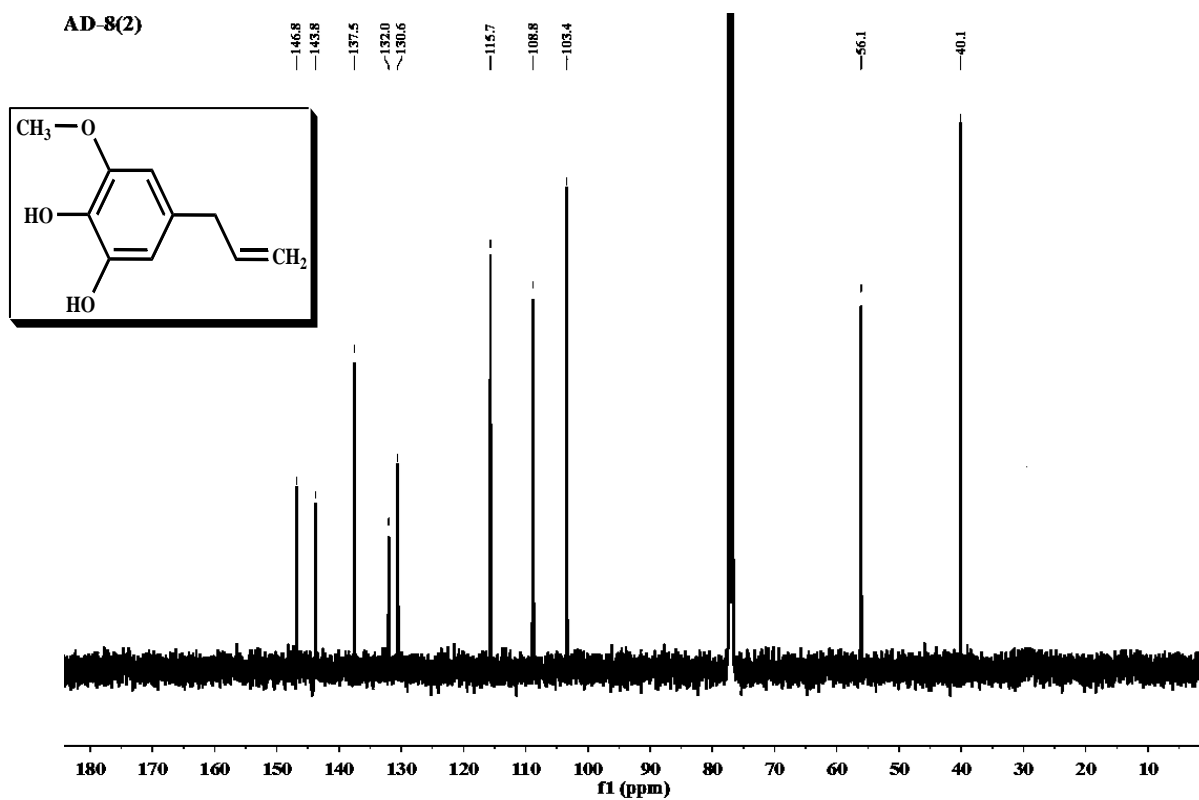
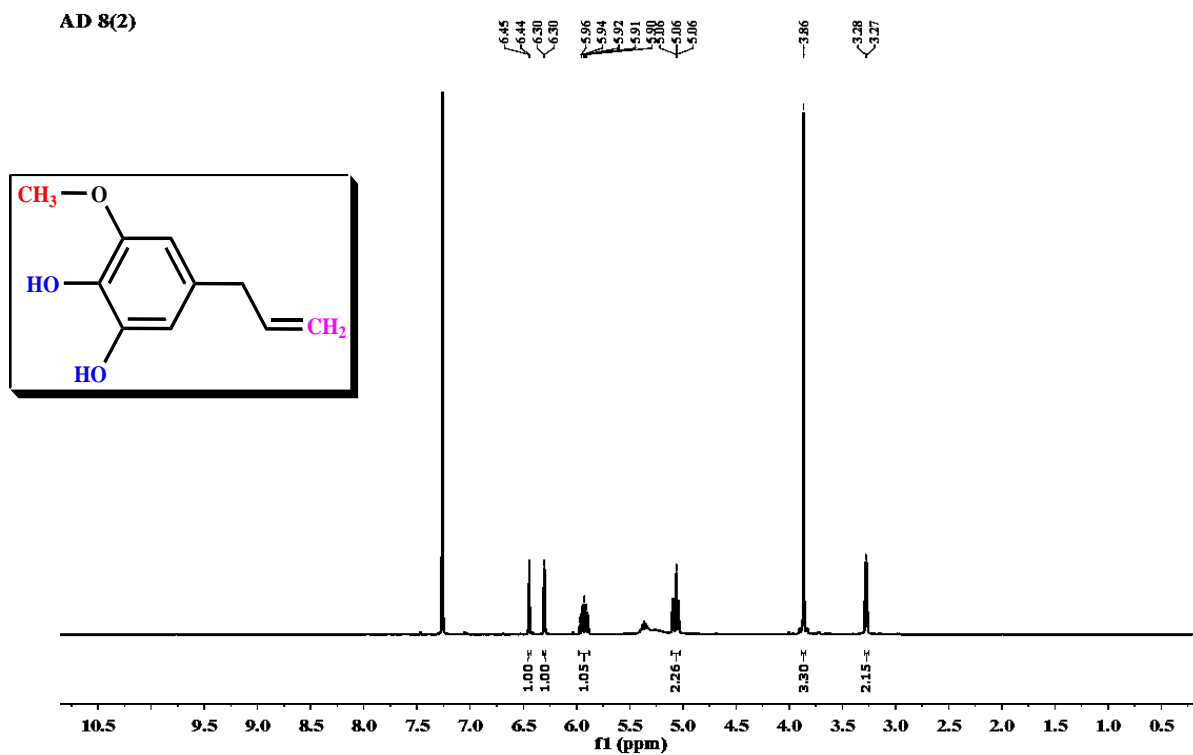


Figure S2. Acetone extract of the dried and powdered roots of *A. debrana*



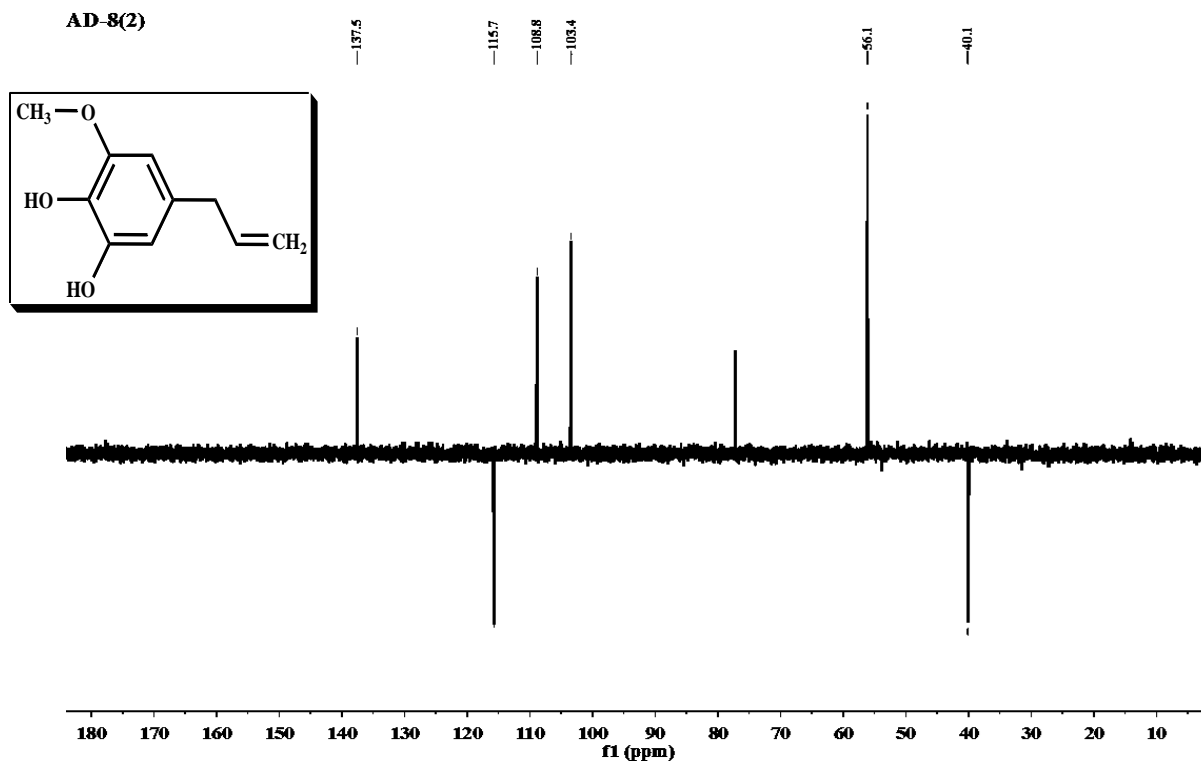


Figure S5. DEPT (125 MHz, CDCl_3) spectrum of compound 3

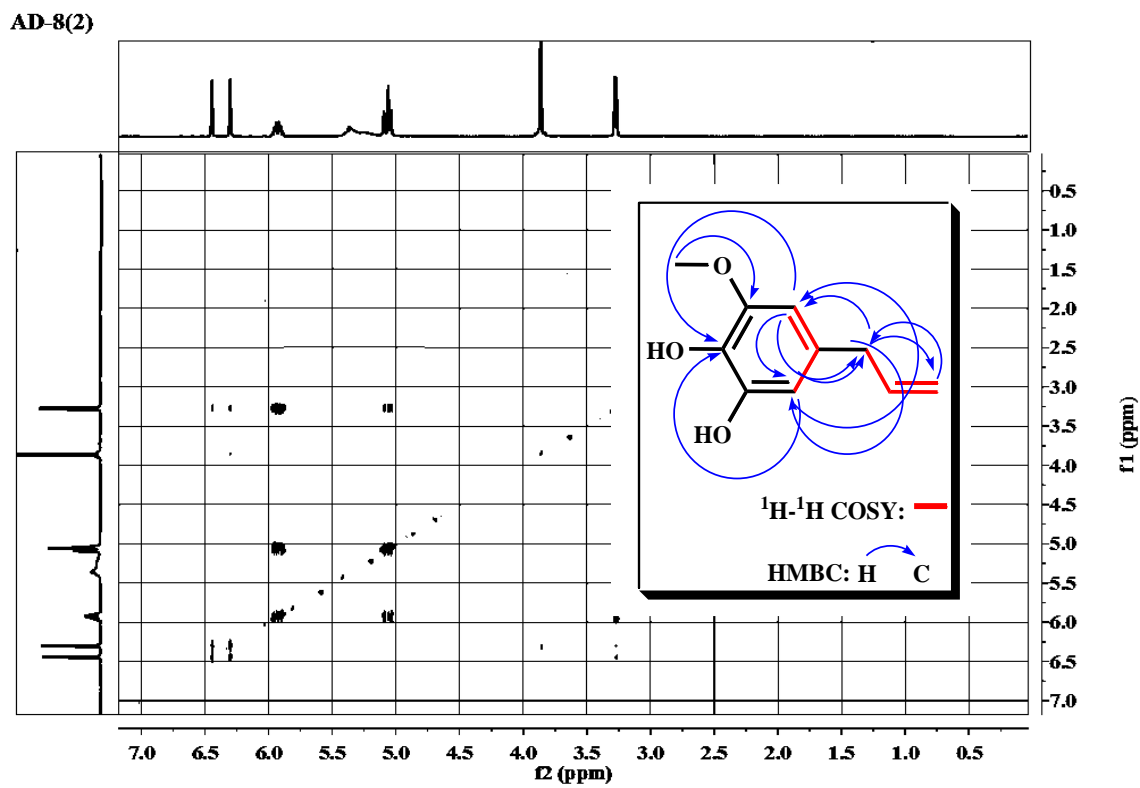


Figure S6. $^1\text{H}-^1\text{H}$ COSY (500 MHz, CDCl_3) spectrum of compound 3

AD-8(2)

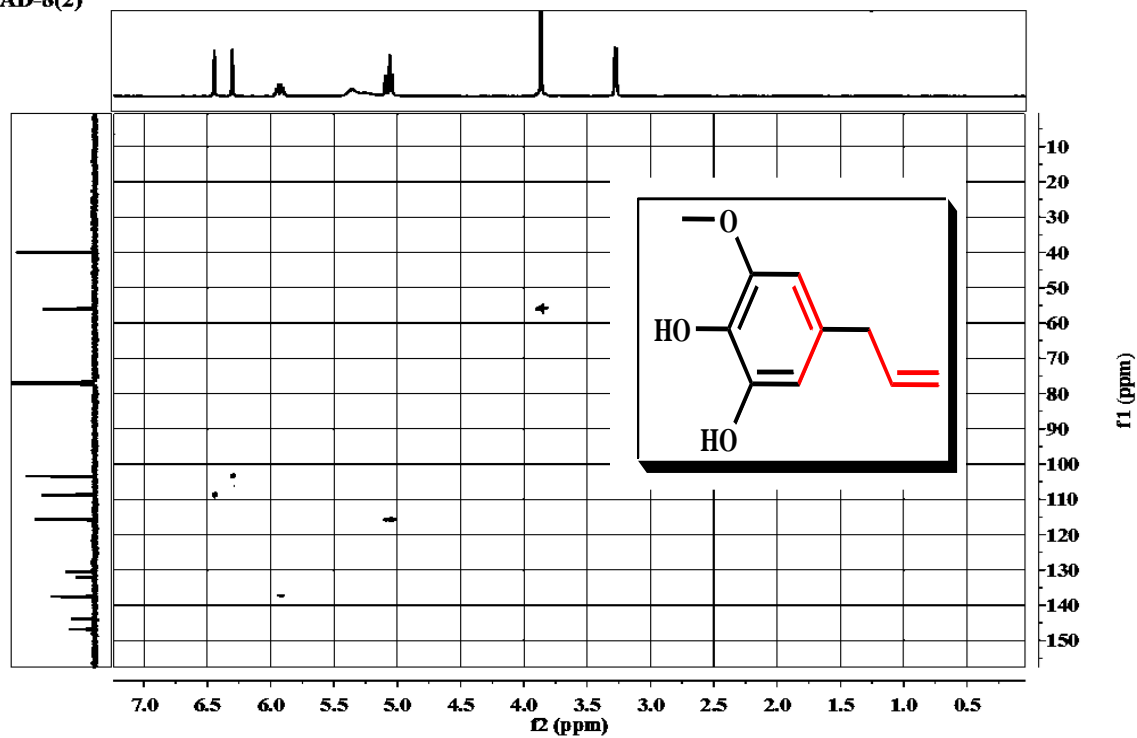


Figure S7. HSQC (CDCl_3) spectrum of compound 3 (^1H : 500 MHz, ^{13}C : 125 MHz)

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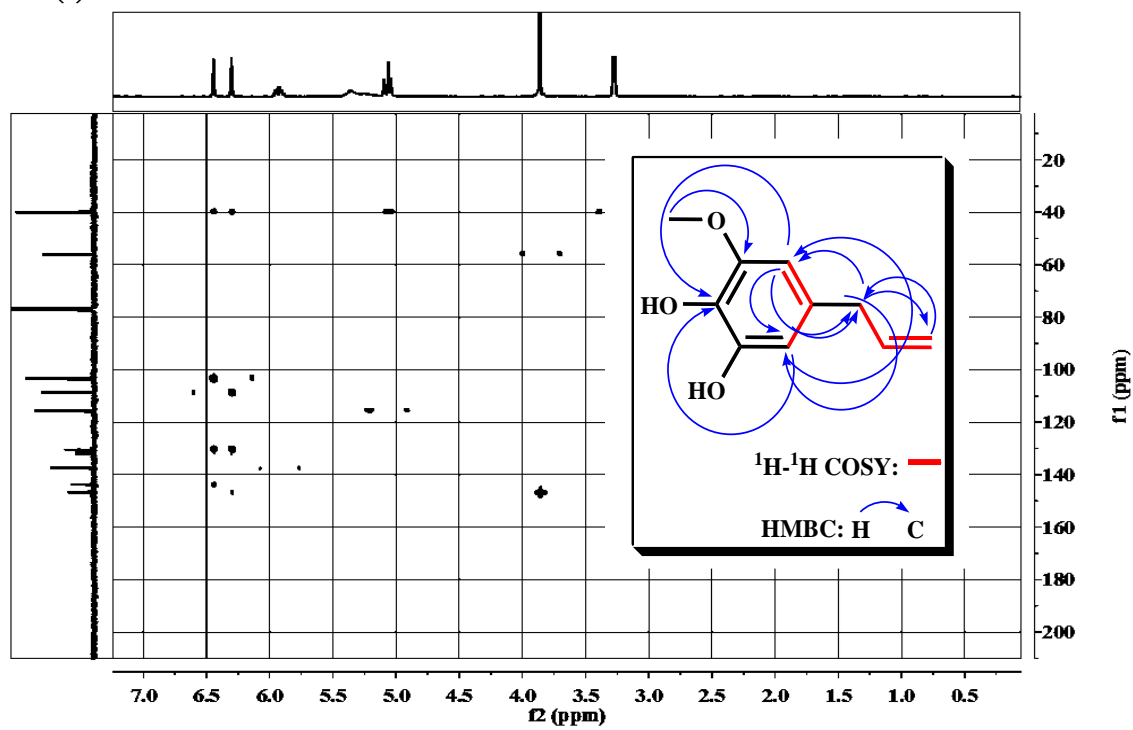


Figure S8. HMBC (CDCl_3) spectrum of compound 3 (^1H : 500 MHz, ^{13}C : 125 MHz)

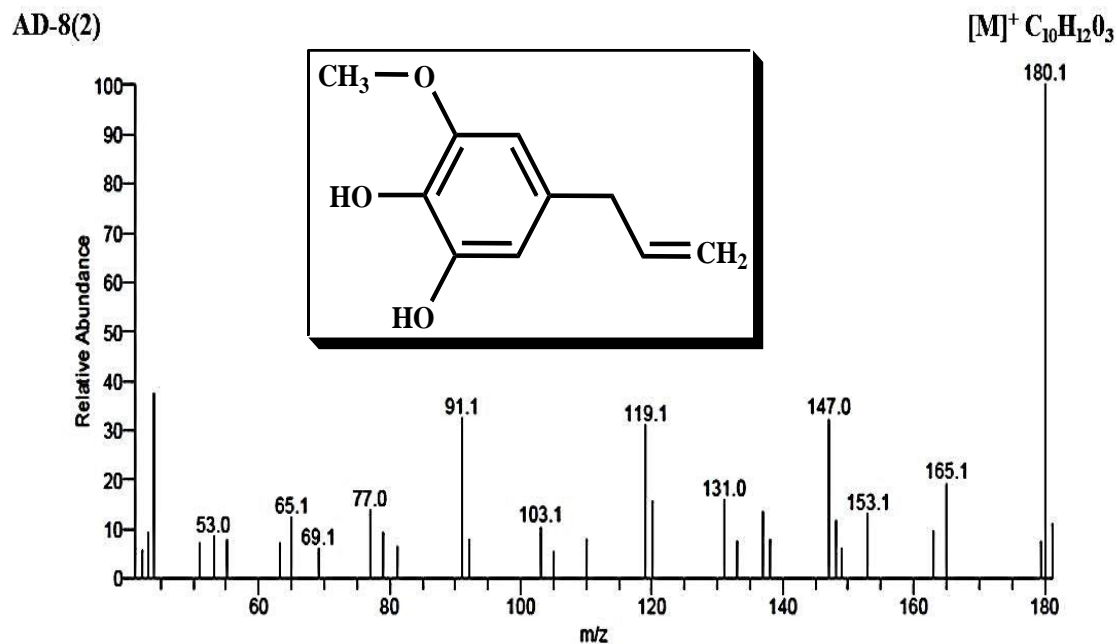


Figure S9. Mass spectrum of compound 3

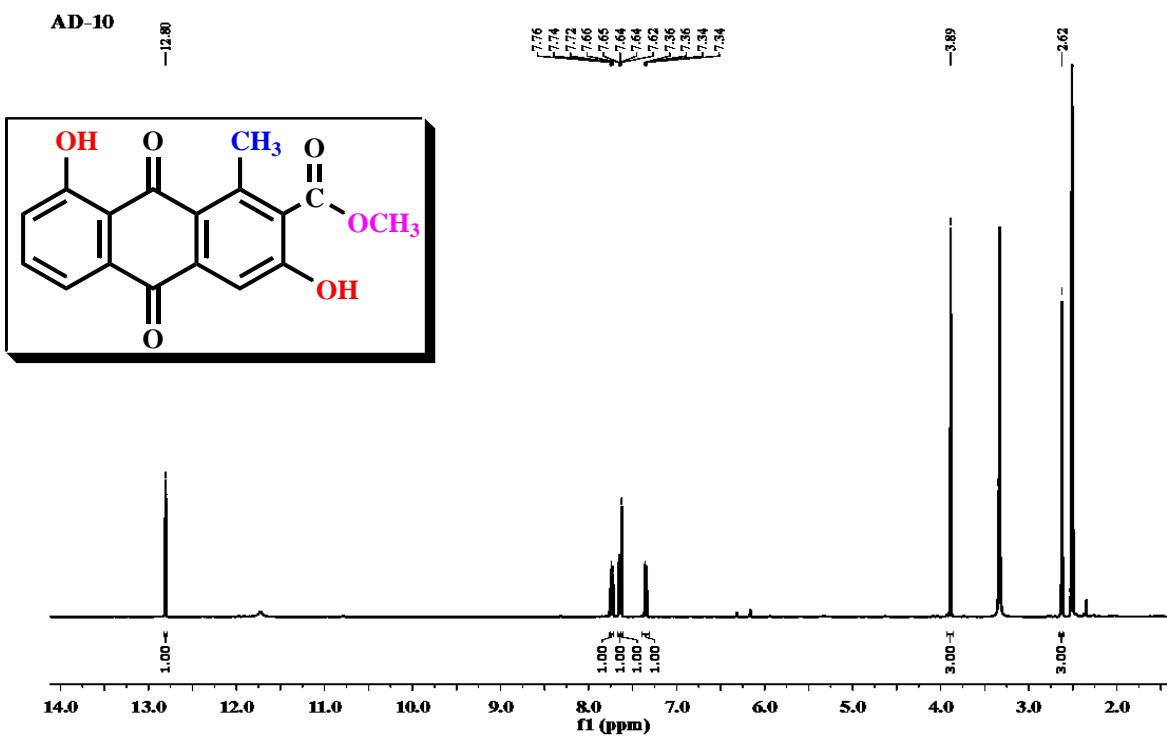


Figure S10. ¹H-NMR (500 MHz, DMSO-*d*₆) spectrum of compound 5

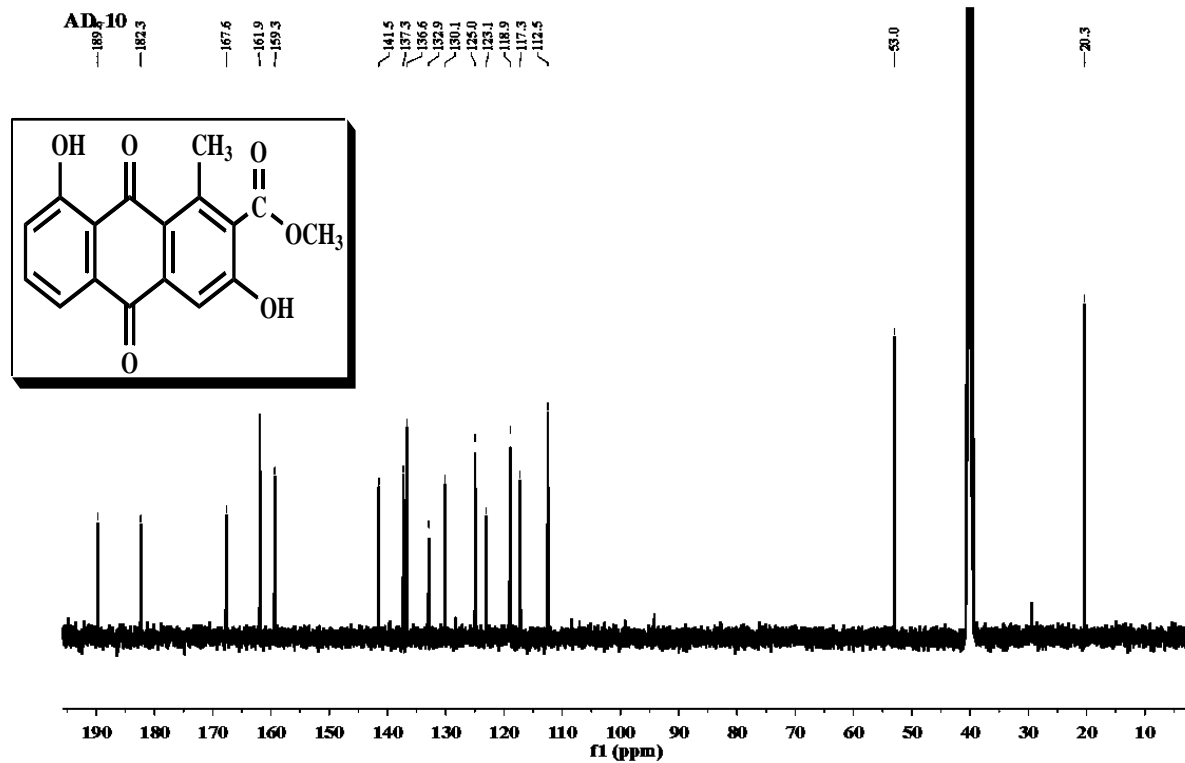


Figure S11. ¹³C–NMR (125 MHz, DMSO-*d*₆) spectrum of compound **5**

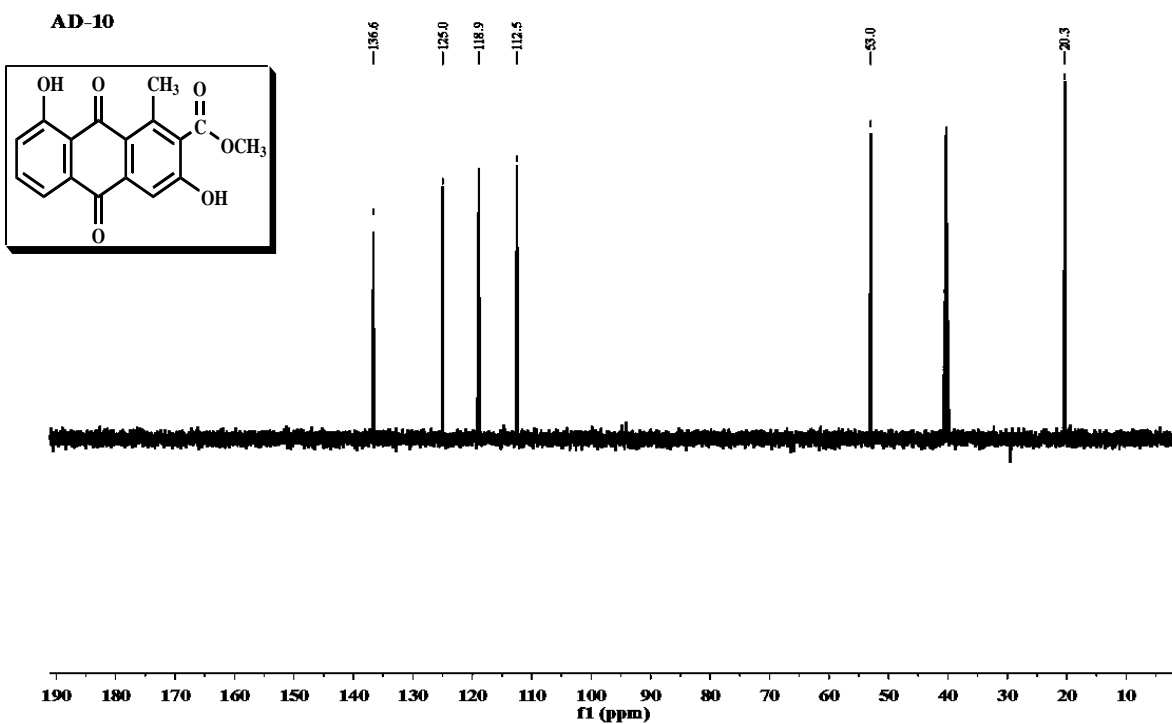


Figure S12. DEPT (125 MHz, DMSO-*d*₆) spectrum of compound **5**

AD-10

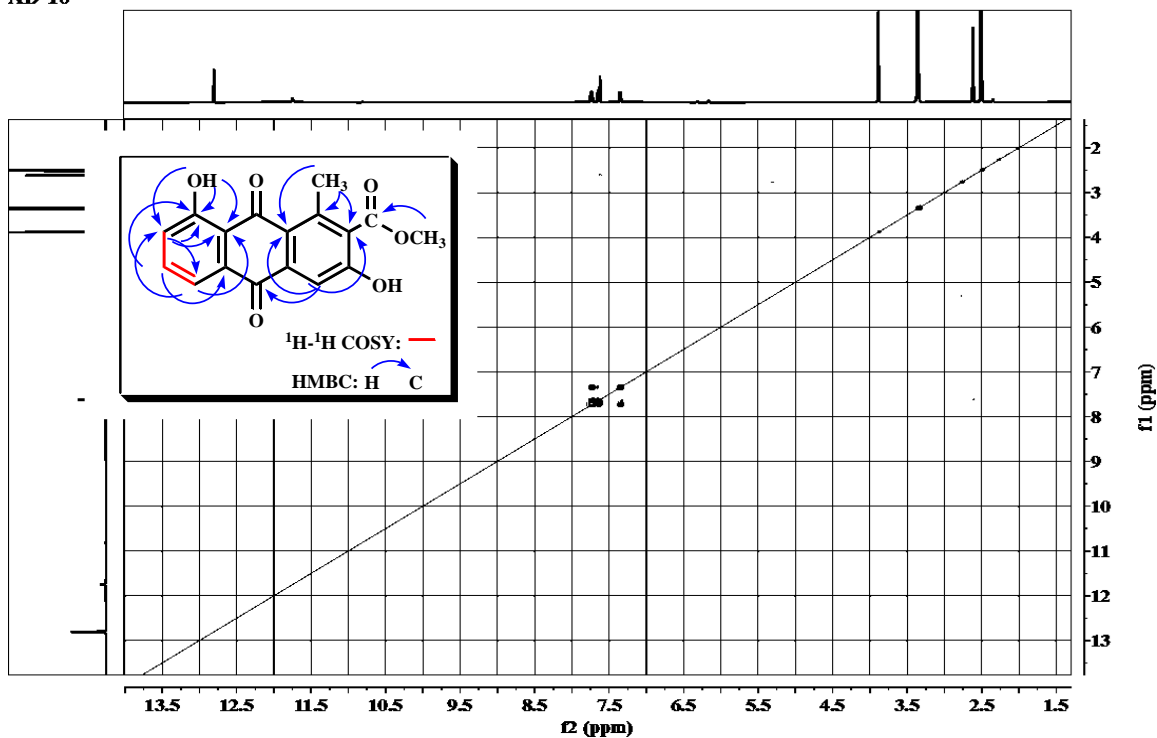


Figure S13. ^1H - ^1H COSY (500 MHz, $\text{DMSO-}d_6$) spectrum of compound 5

AD-10

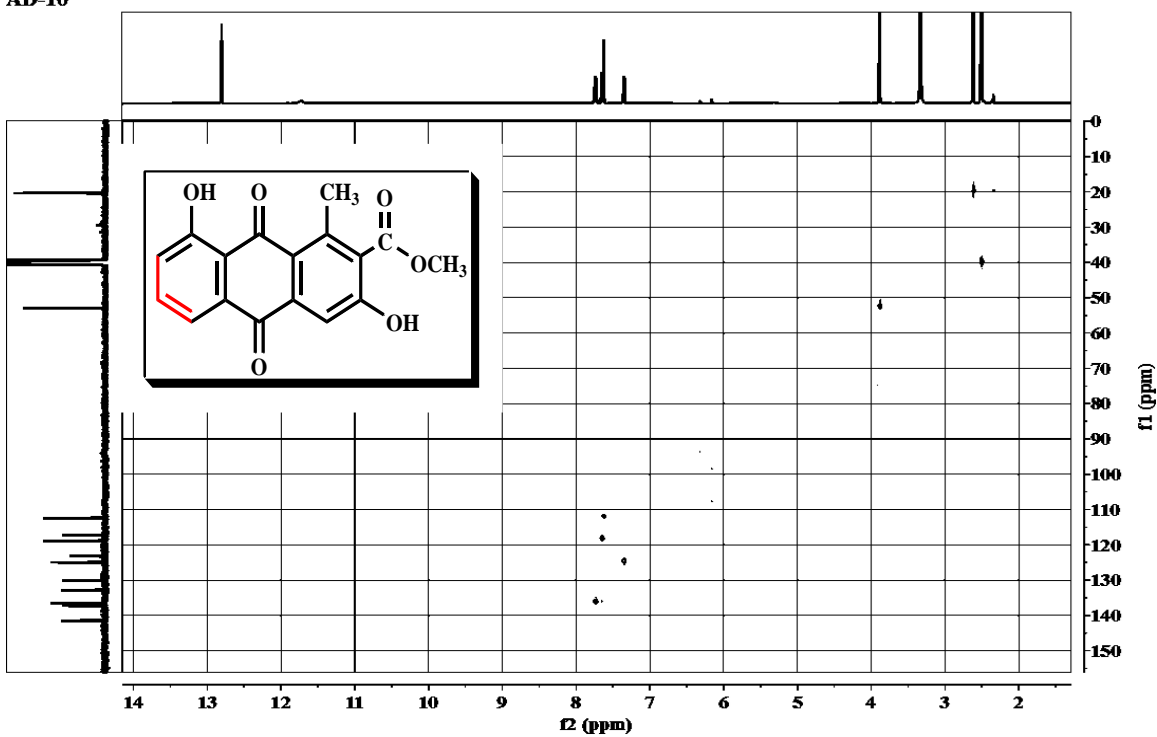


Figure S14. HSQC ($\text{DMSO-}d_6$) spectrum of compound 5 (^1H : 500 MHz, ^{13}C : 125 MHz)

AD-10

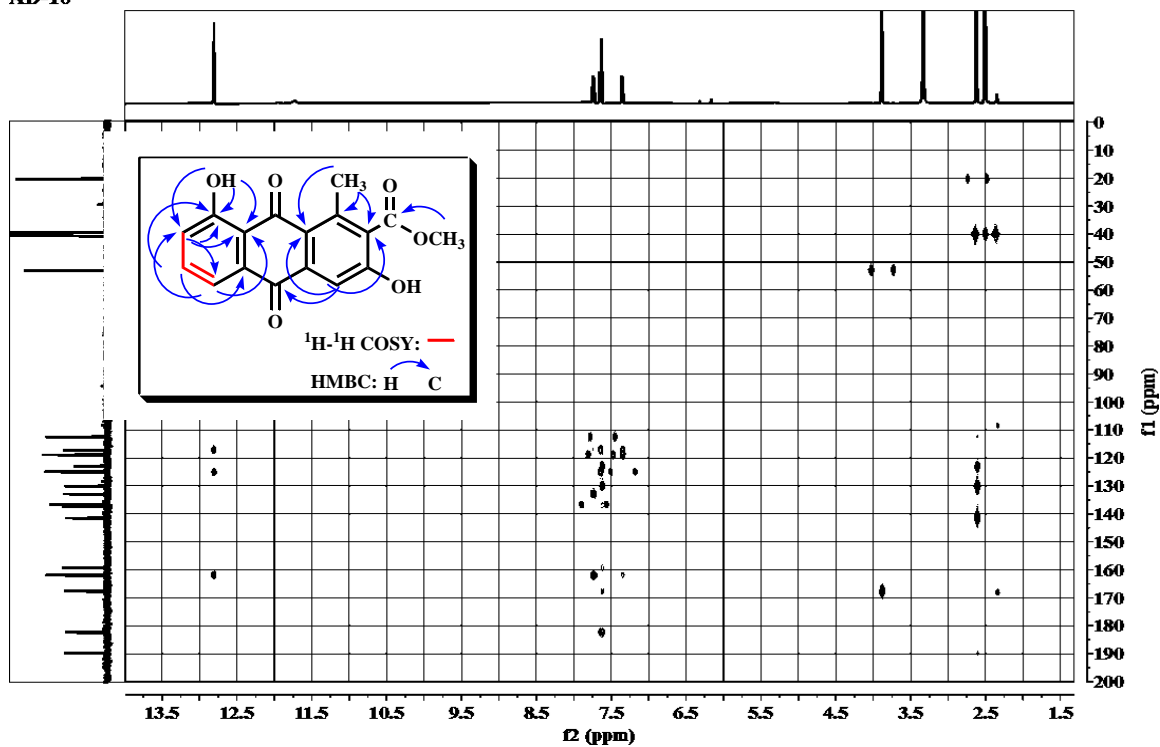


Figure S15. HMBC (DMSO- d_6) spectrum of compound **5** (^1H : 500 MHz, ^{13}C : 125 MHz)

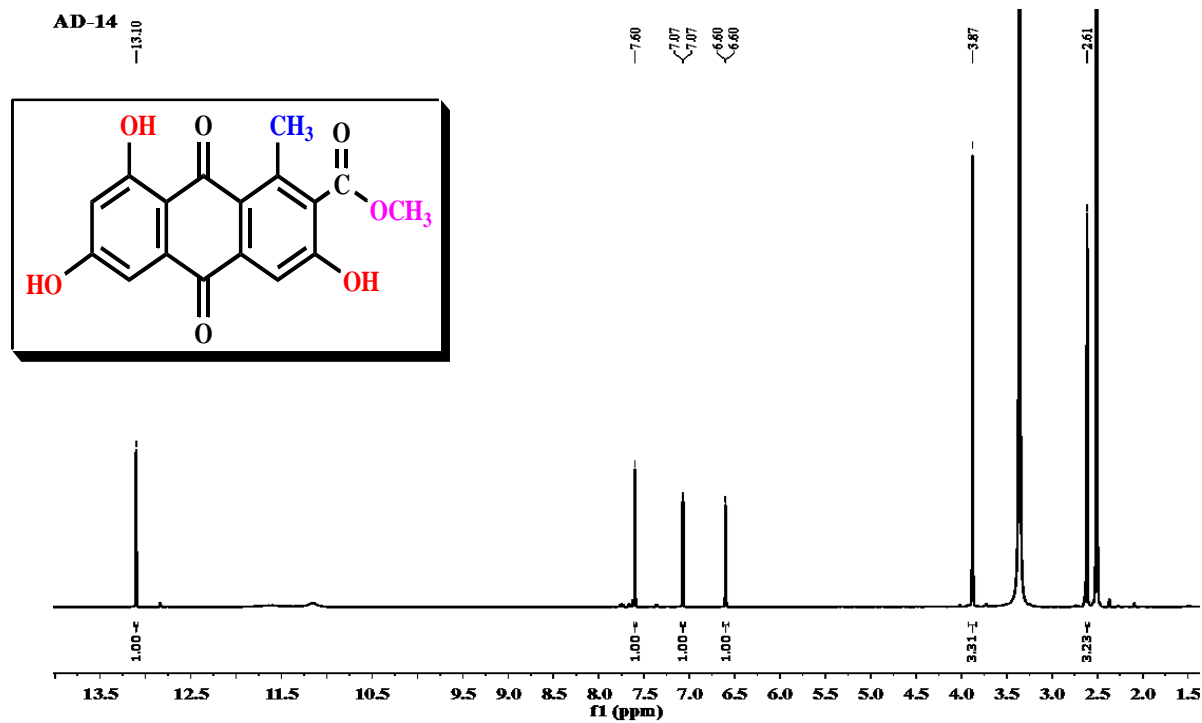


Figure S16. ^1H -NMR (500 MHz, DMSO- d_6) spectrum of compound **6**

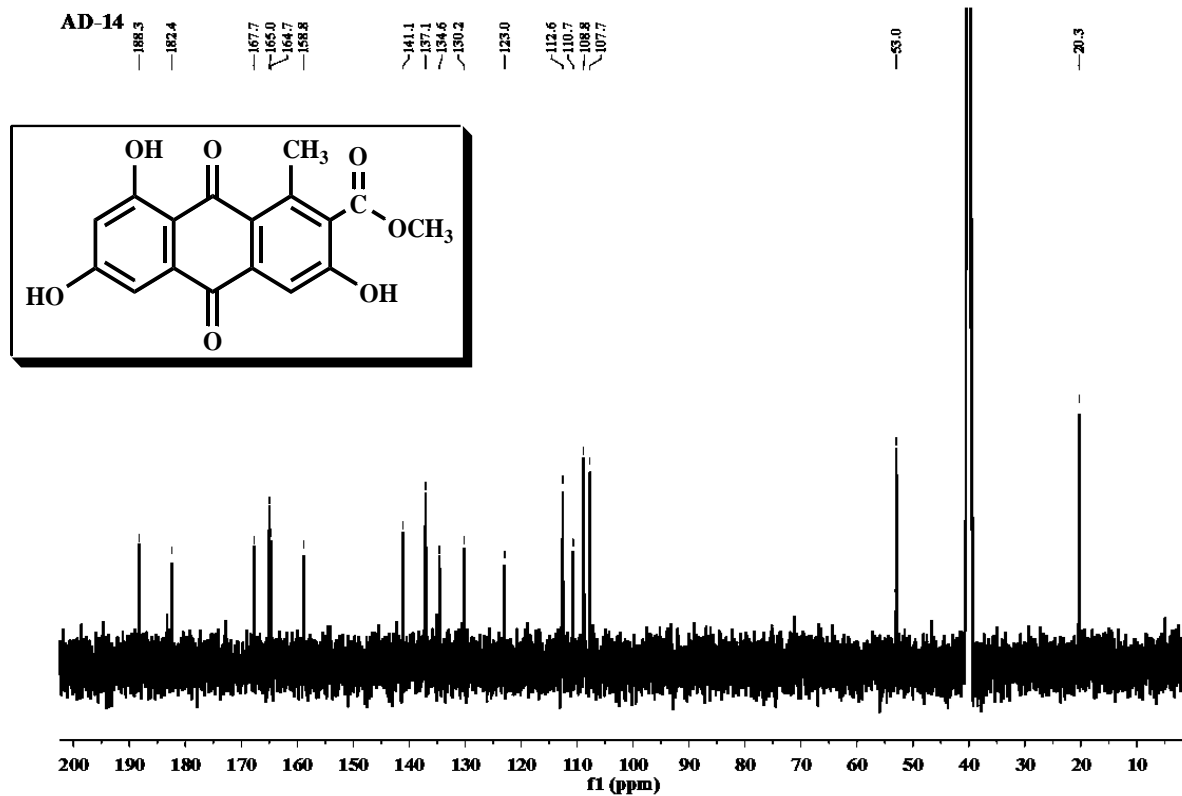


Figure S17. ^{13}C -NMR (125 MHz, $\text{DMSO-}d_6$) spectrum of compound 6

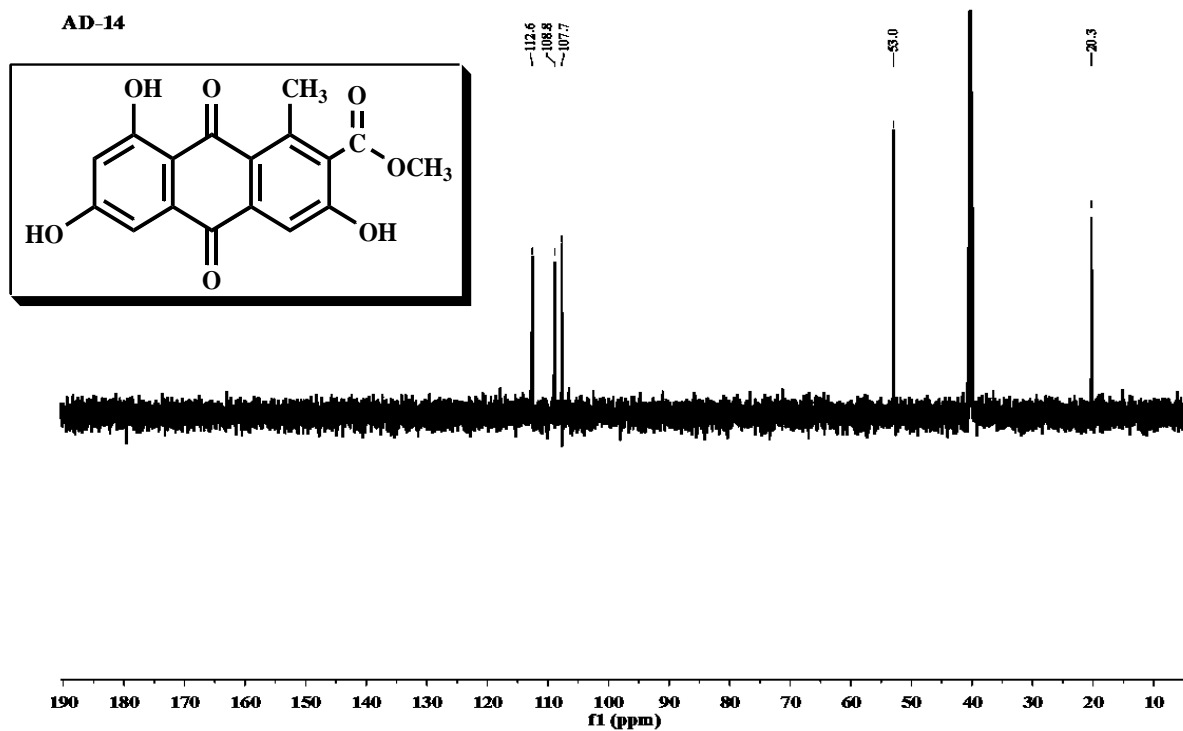


Figure S18. DEPT (125 MHz, $\text{DMSO-}d_6$) spectrum of compound 6

AD-14

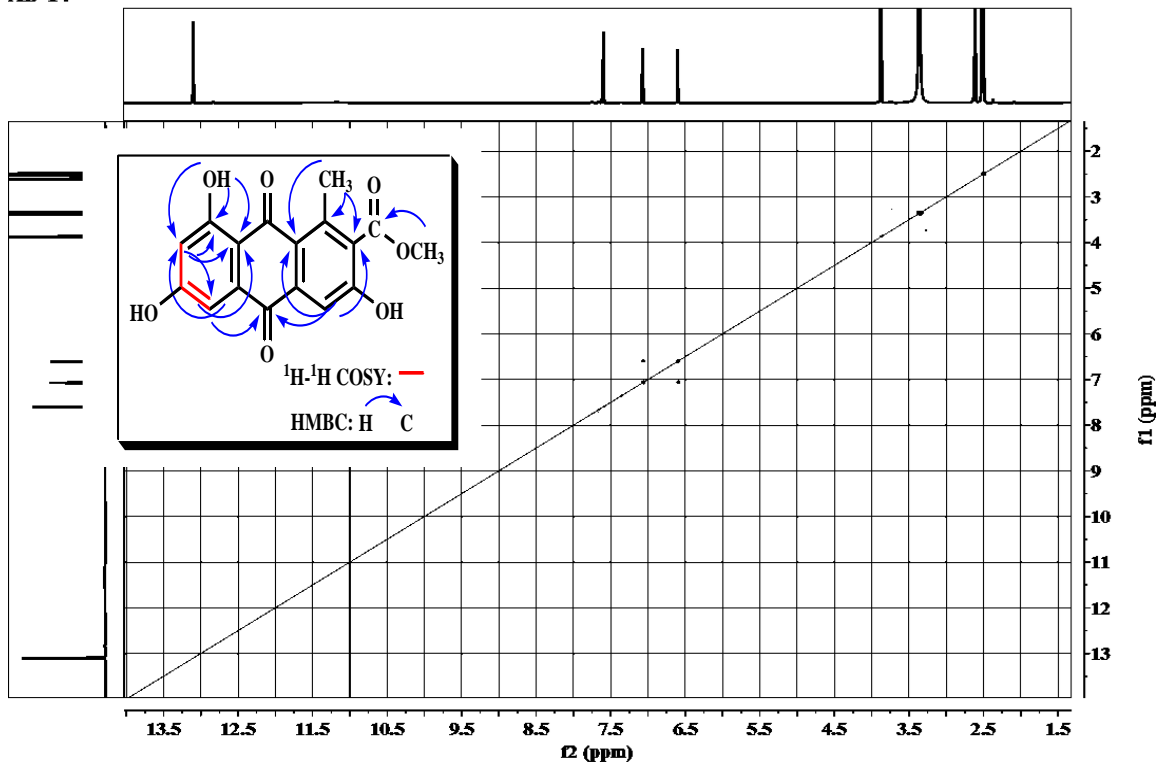


Figure S19. ^1H - ^1H COSY (500 MHz, $\text{DMSO-}d_6$) spectrum of compound **6**

AD-14

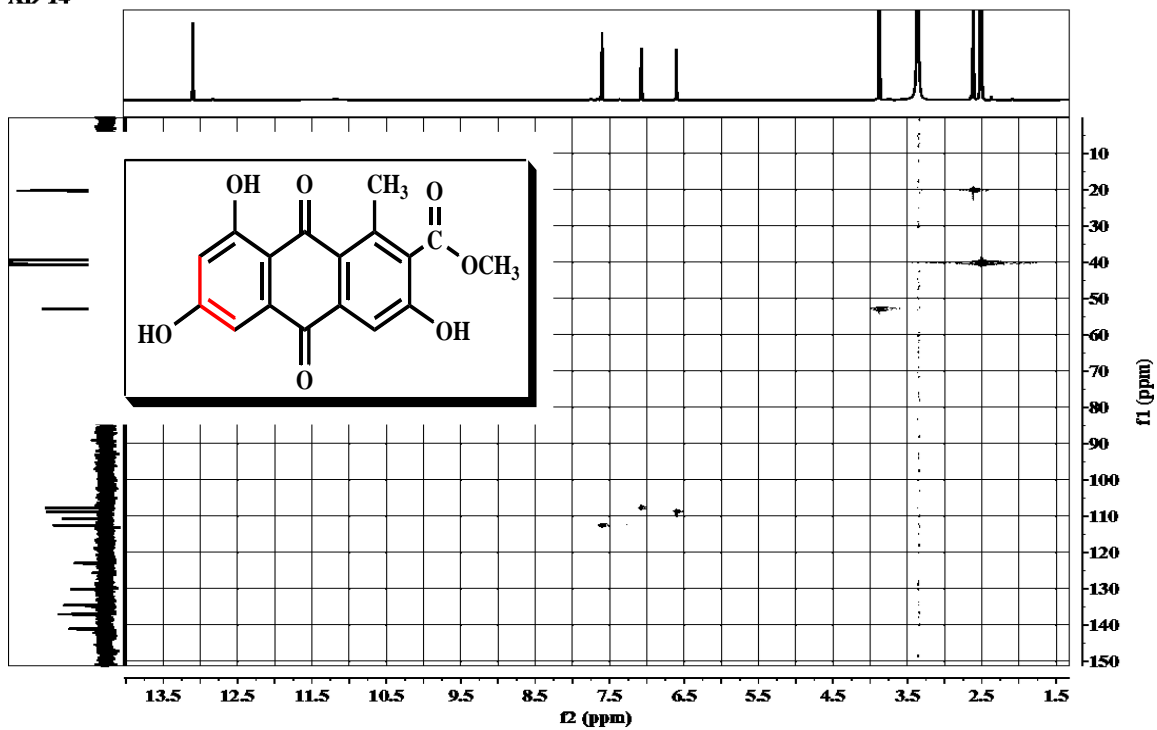


Figure S20. HSQC ($\text{DMSO-}d_6$) spectrum of compound **6** (^1H : 500 MHz, ^{13}C : 125 MHz)

AD-14

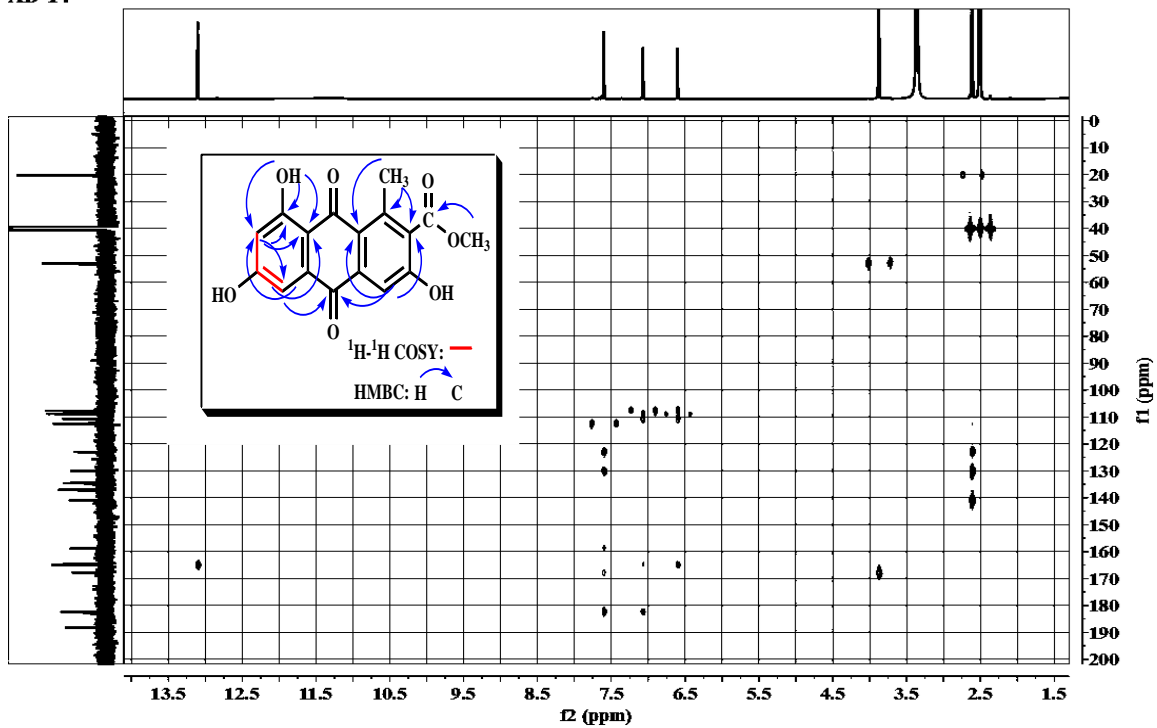


Figure S21. HMBC (DMSO- d_6) spectrum of compound 6 (^1H : 500 MHz, ^{13}C : 125 MHz)