Supporting Information

Immunomodulatory potential of a bibenzyl-dihydrophenanthrene derivative isolated from *Calanthe cardioglossa*

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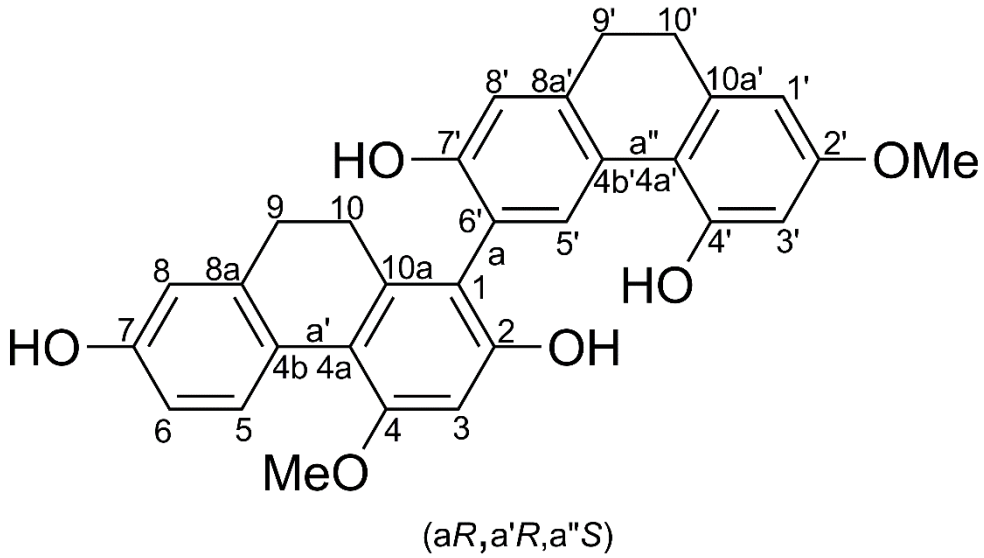
List of Supporting Information



(a*R*,a'*R*,a"*S*)

1

Figure S1. Chemical structure of compound **1**

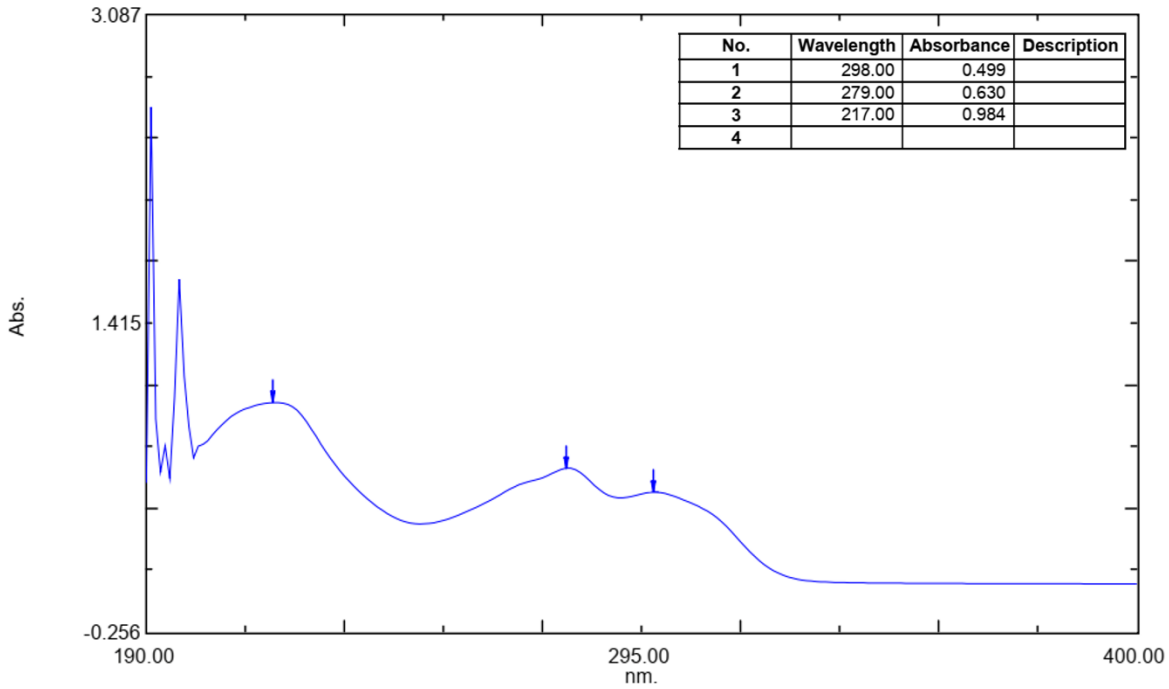


Figure S2. UV spectrum of compound **1** in MeOH

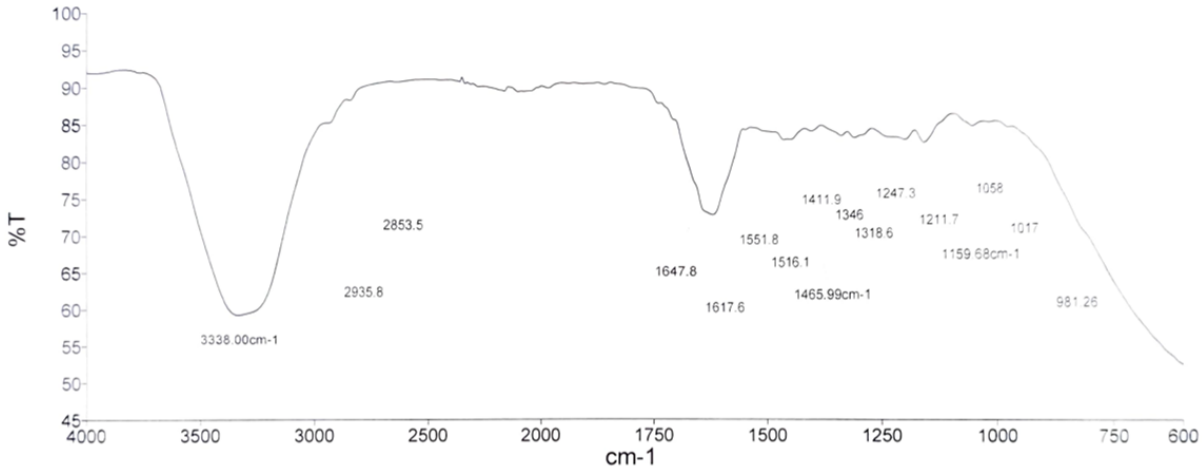


Figure S3. IR spectrum of compound **1**

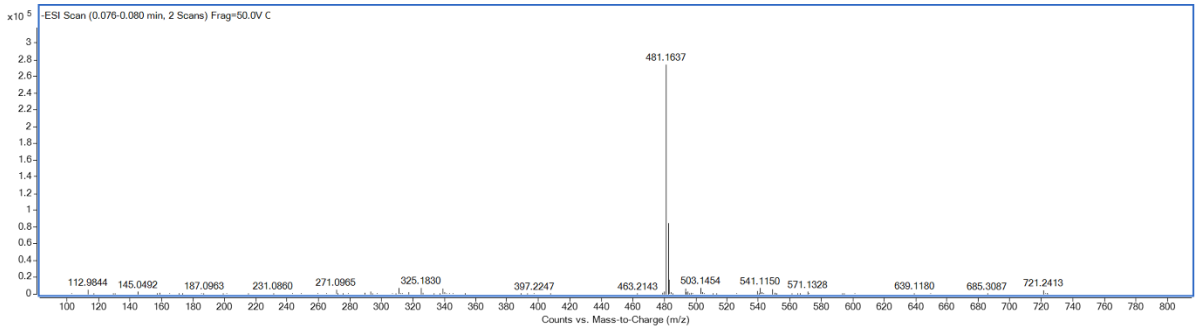


Figure S4. HR-ESI-MS spectrum of compound **1**

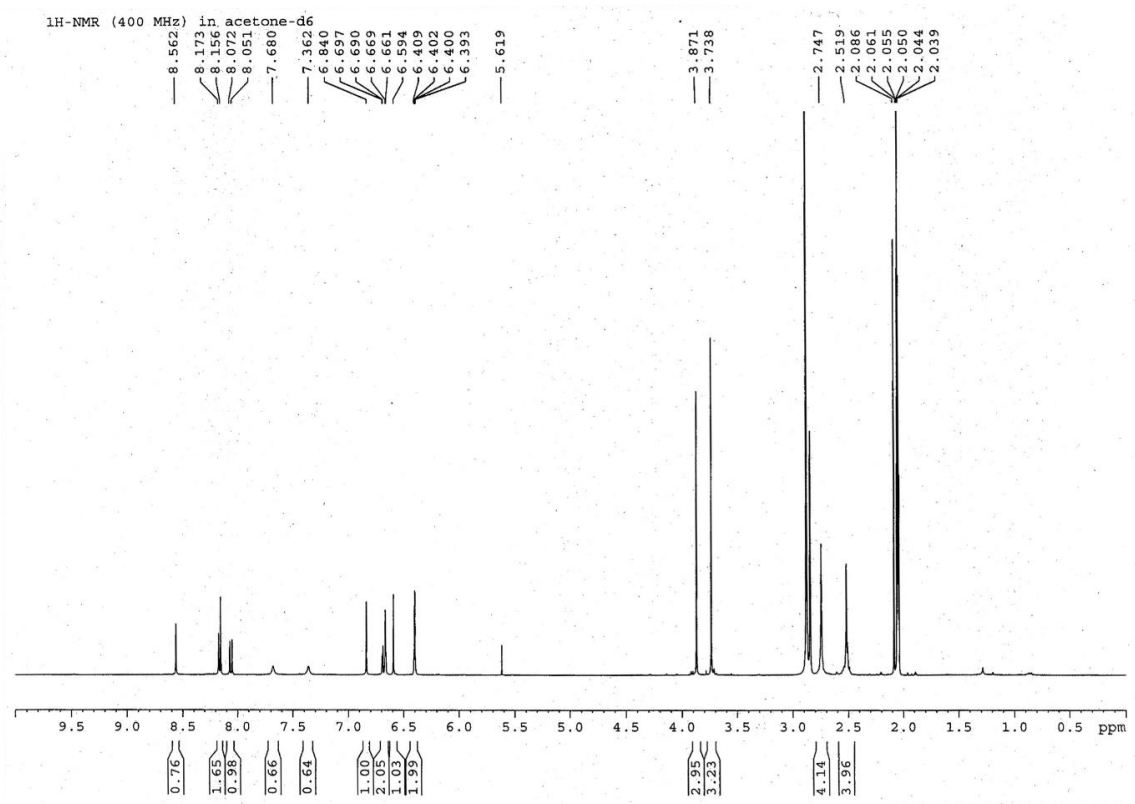


Figure S5. ^{1}H NMR spectrum of compound **1** in acetone-d_6 (400 MHz)

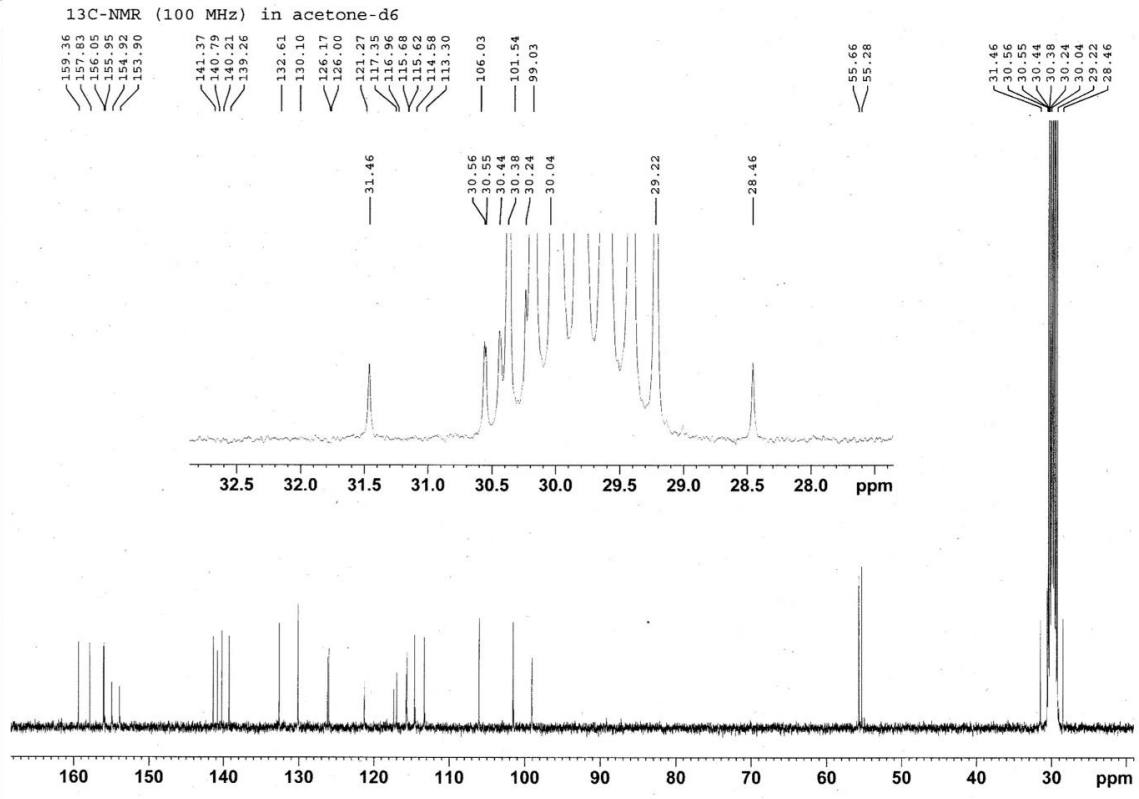


Figure S6. ^{13}C NMR spectrum of compound **1** in acetone-d_6 (100 MHz)

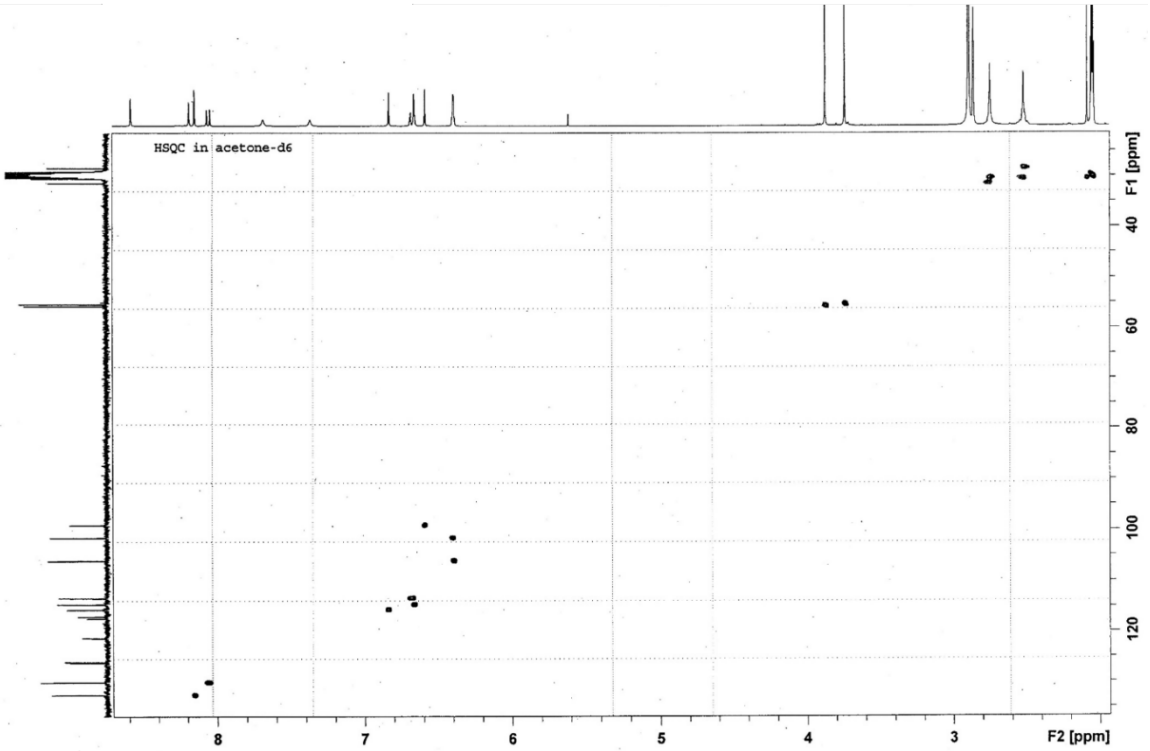


Figure S7. HSQC spectrum of compound **1**

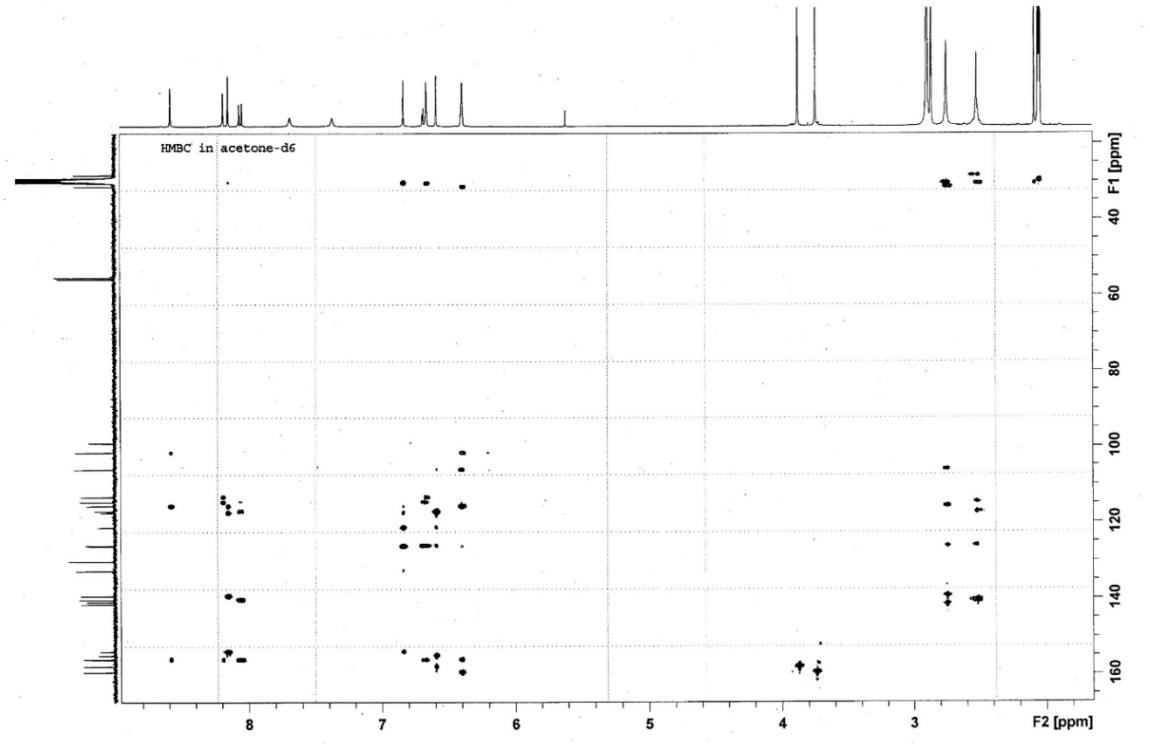


Figure S8. HMBC spectrum of compound **1**

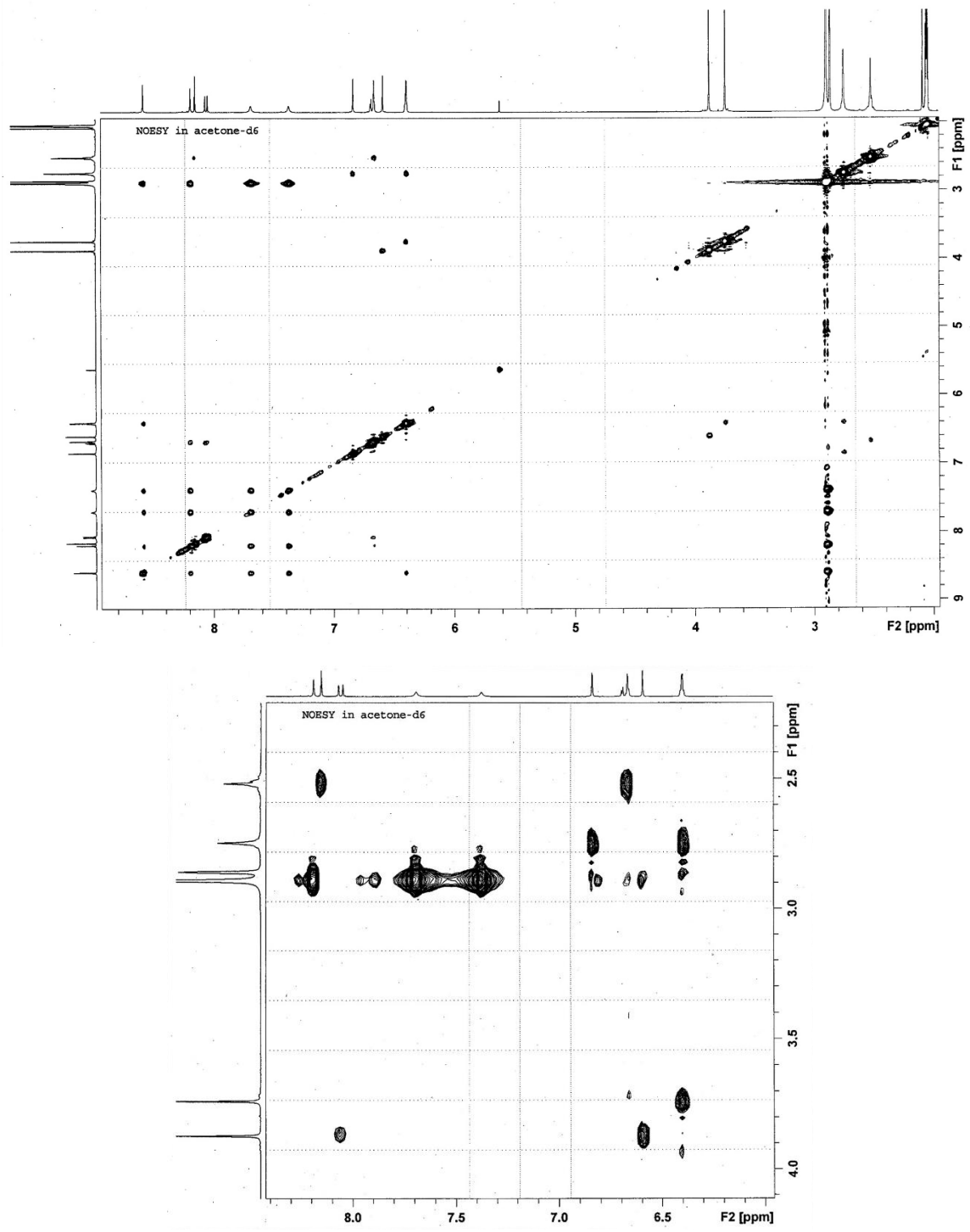
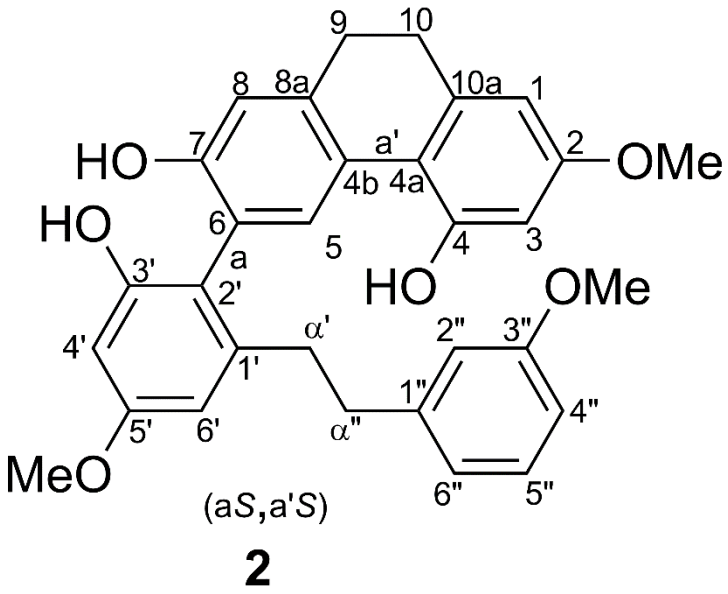


Figure S9. NOESY spectrum of compound **1**



2

Figure S10. Chemical structure of compound **2**

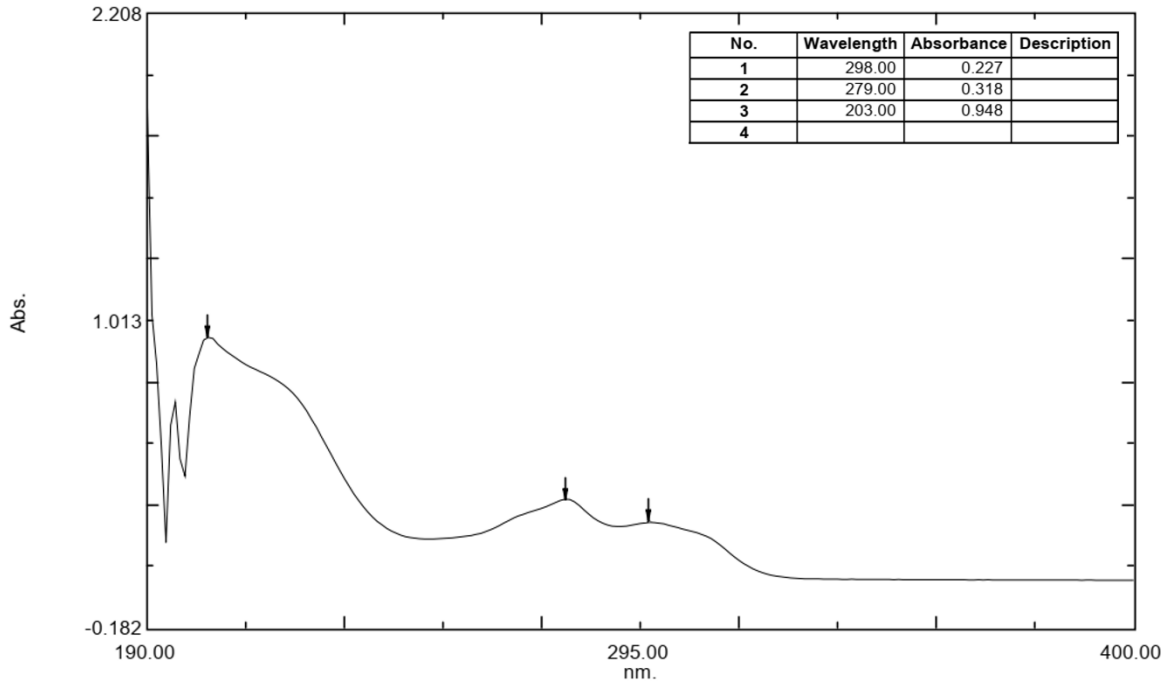


Figure S11. UV spectrum of compound **2** in MeOH

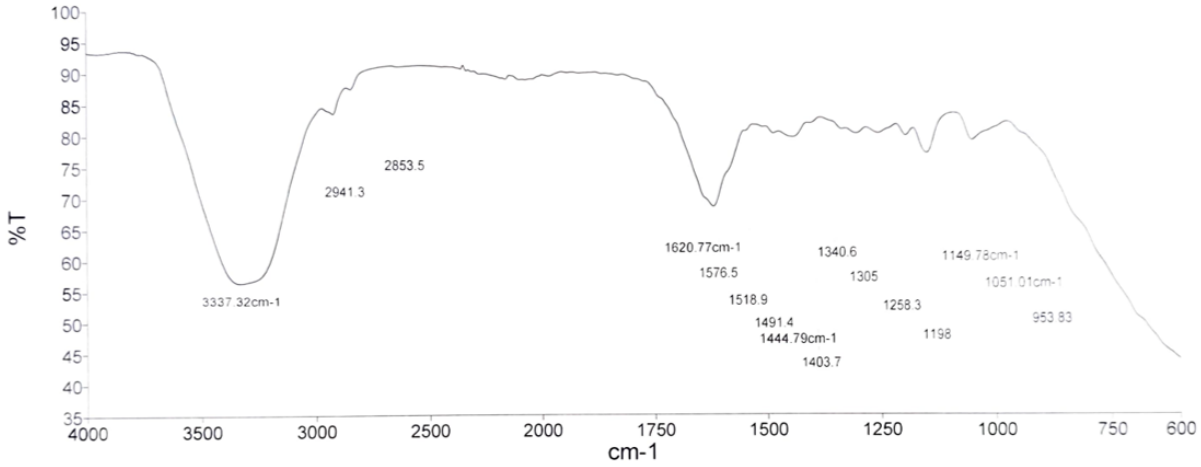


Figure S12. IR spectrum of compound **2**

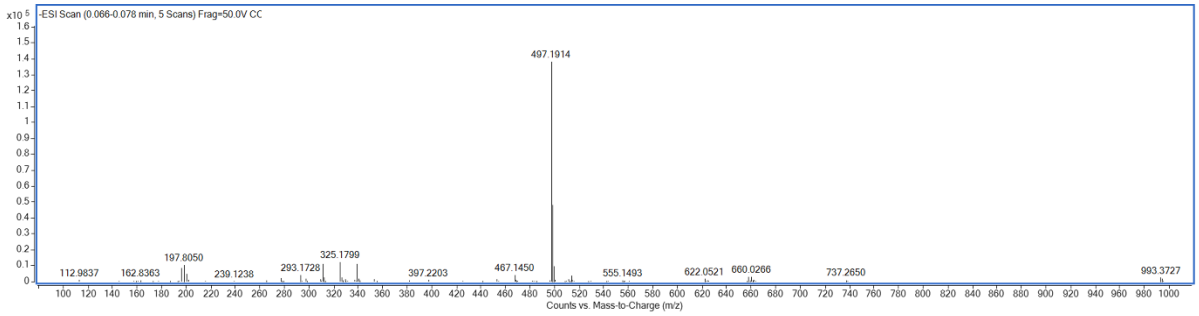


Figure S13. HR-ESI-MS spectrum of compound **2**

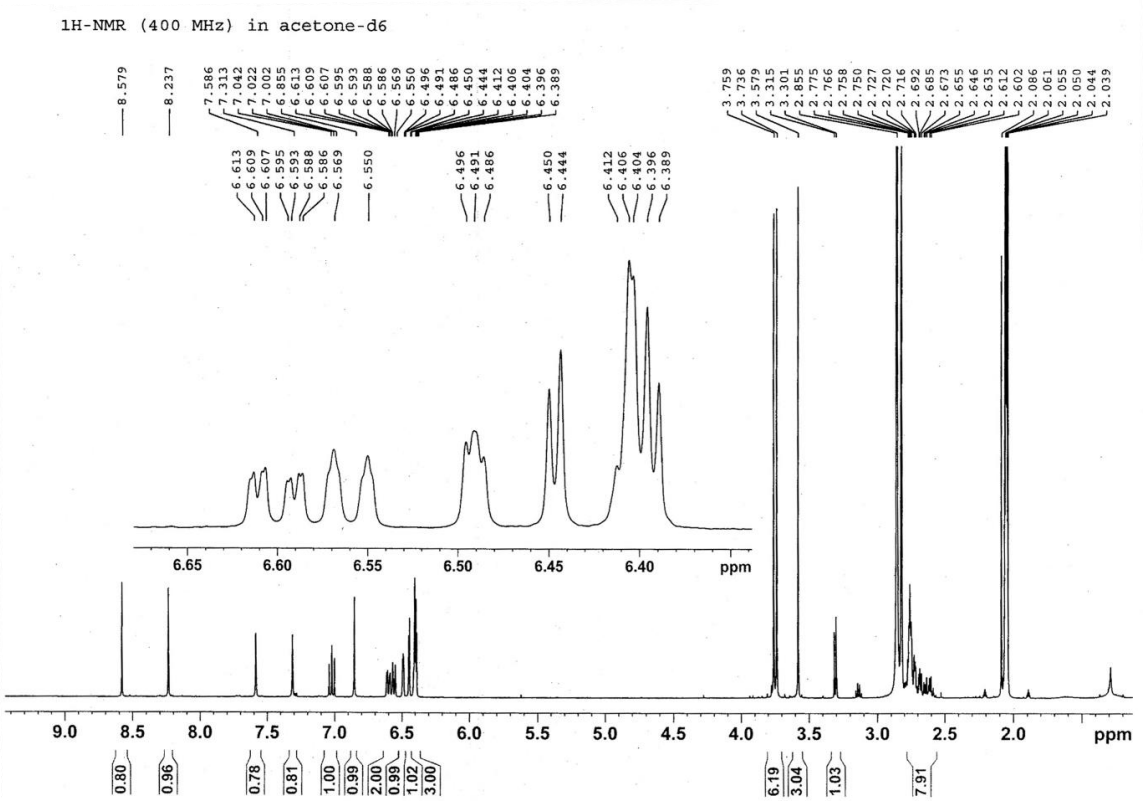


Figure S14. ^{1}H NMR spectrum of compound **2** in acetone-d_6 (400 MHz)

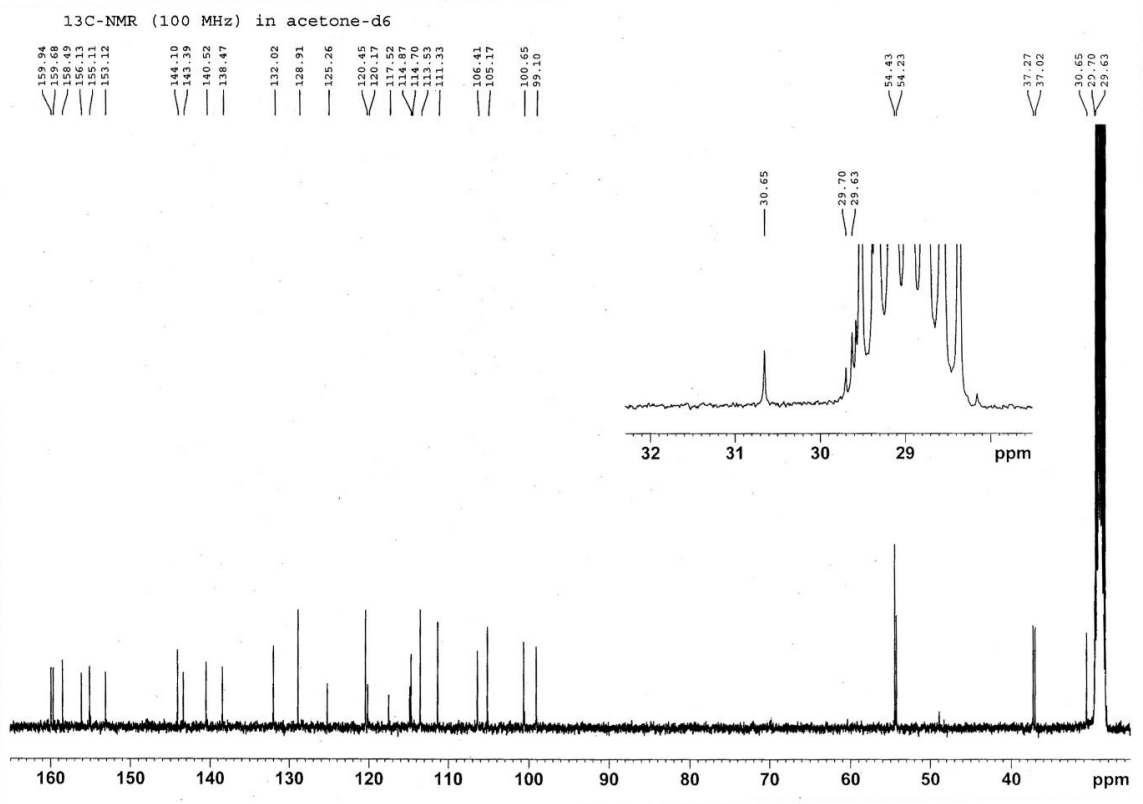


Figure S15. ^{13}C NMR spectrum of compound **2** in acetone-d_6 (100 MHz)

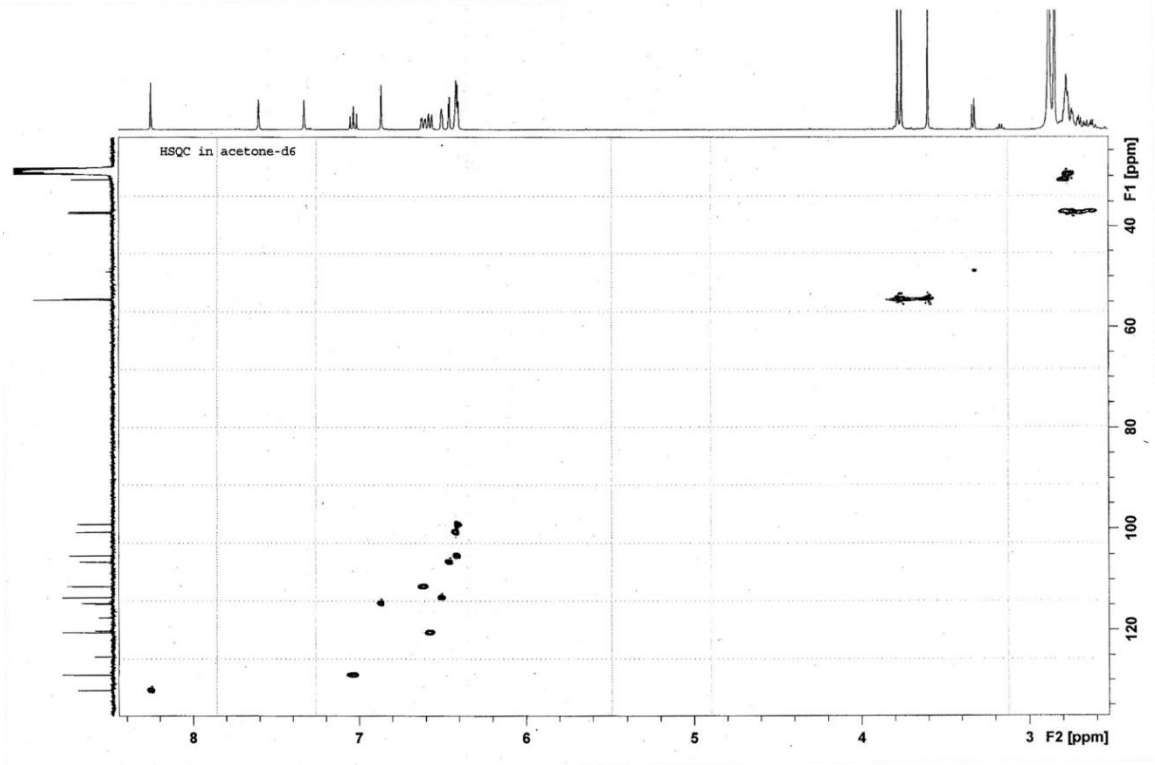


Figure S16. HSQC spectrum of compound **2**

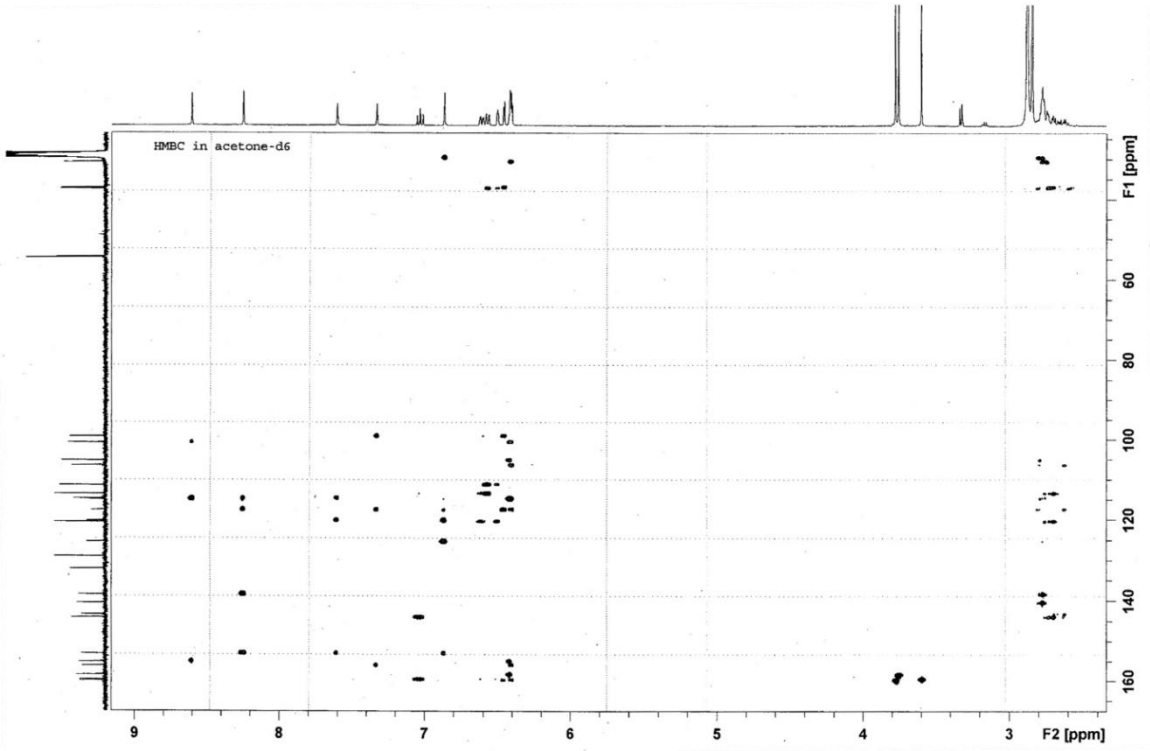


Figure S17. HMBC spectrum of compound **2**

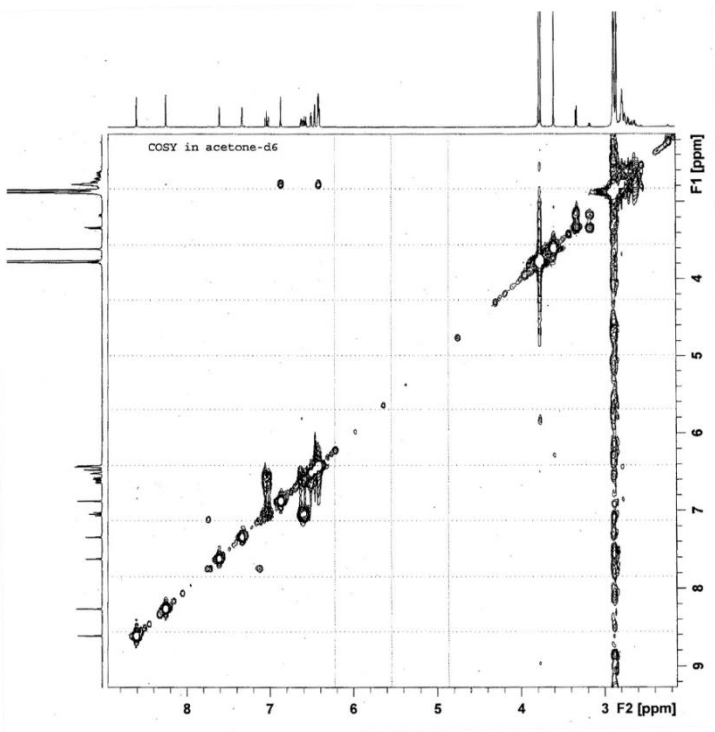


Figure S18. COSY spectrum of compound **2**

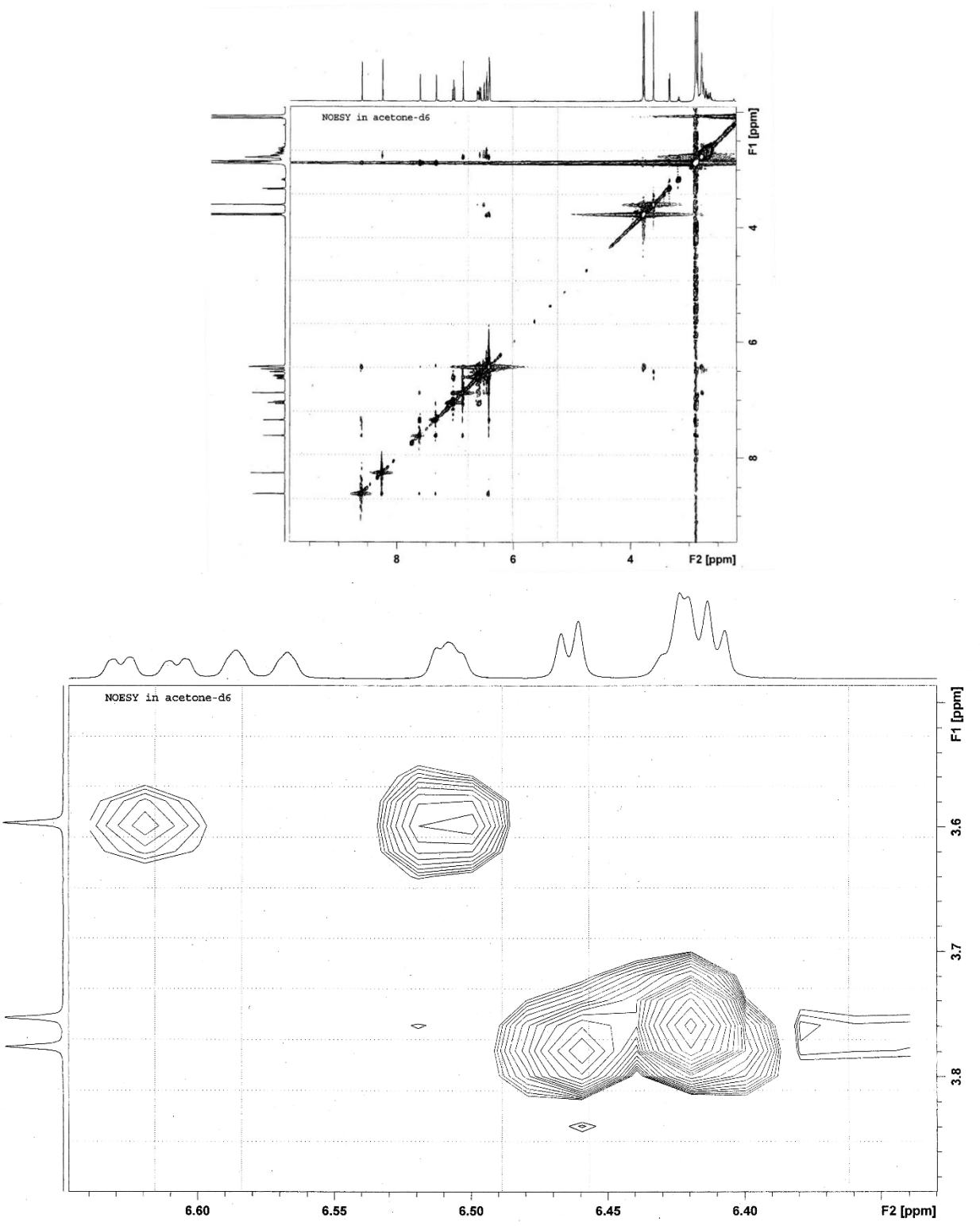
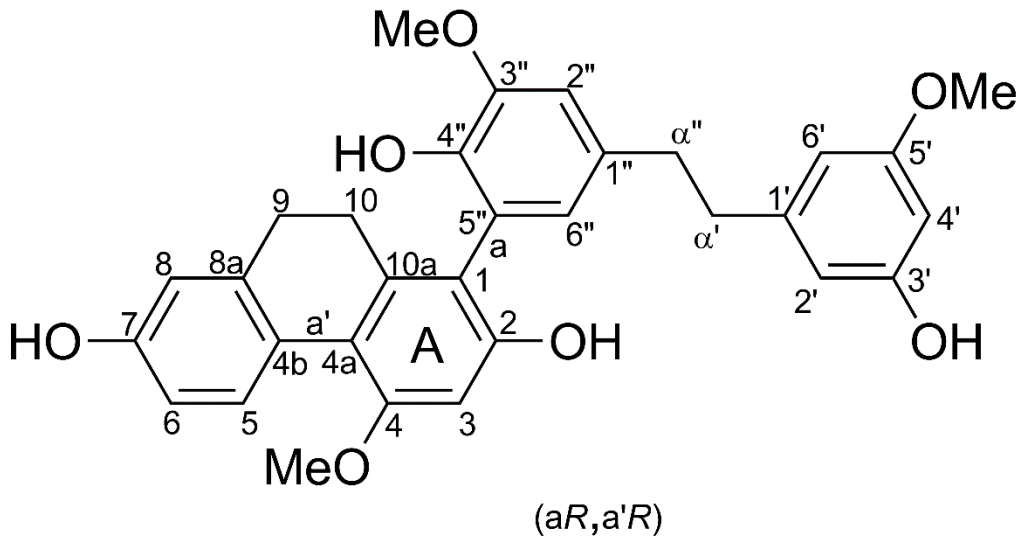


Figure S19. NOESY spectrum of compound **2**



3

Figure S20. Chemical structure of compound **3**

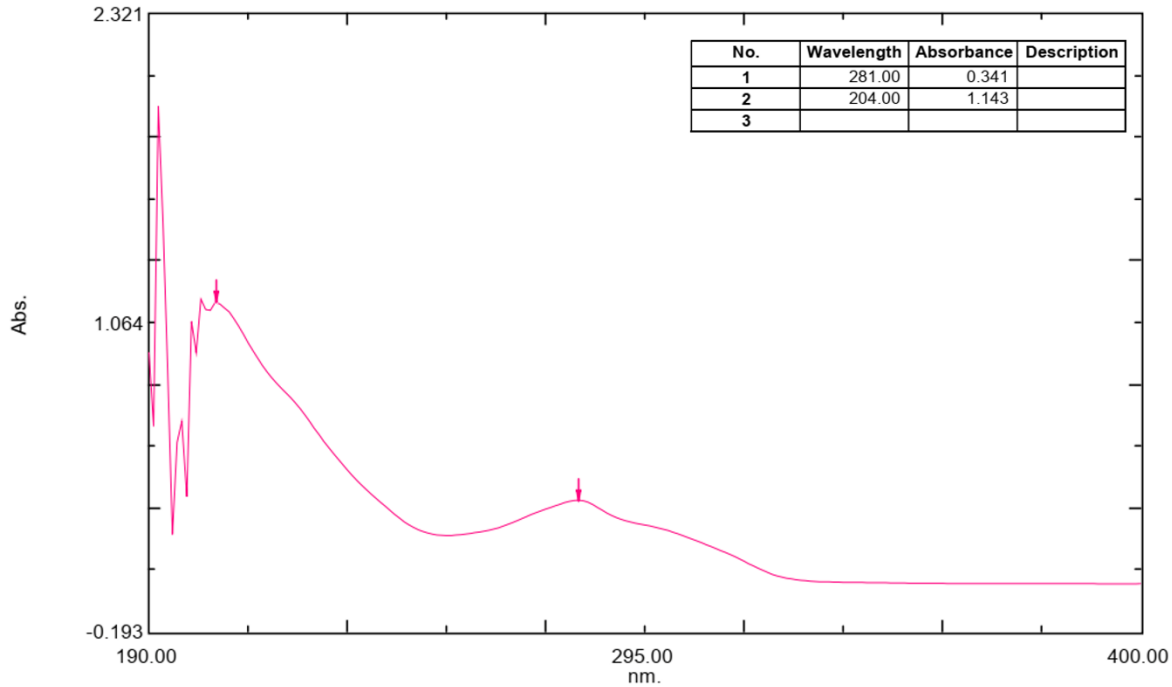


Figure S21. UV spectrum of compound **3** in MeOH

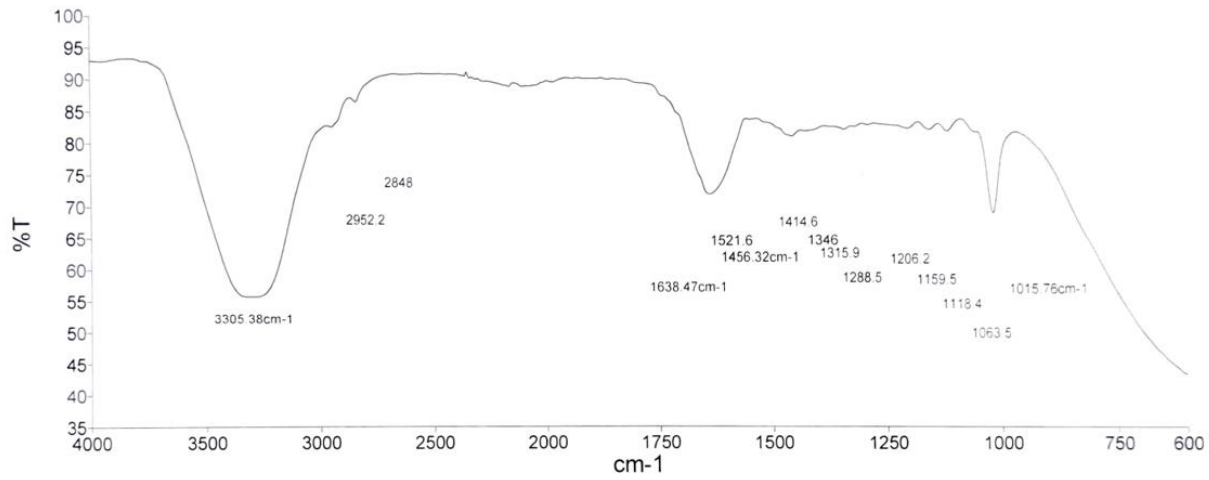


Figure S22. IR spectrum of compound **3**

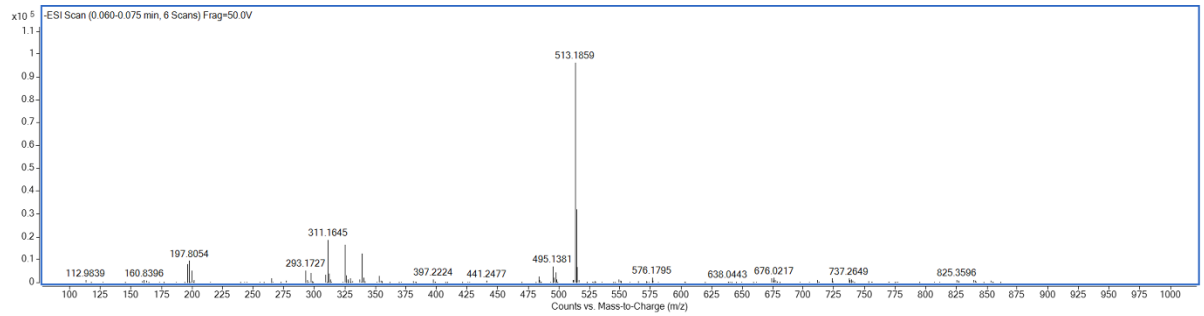


Figure S23. HR-ESI-MS spectrum of compound **3**

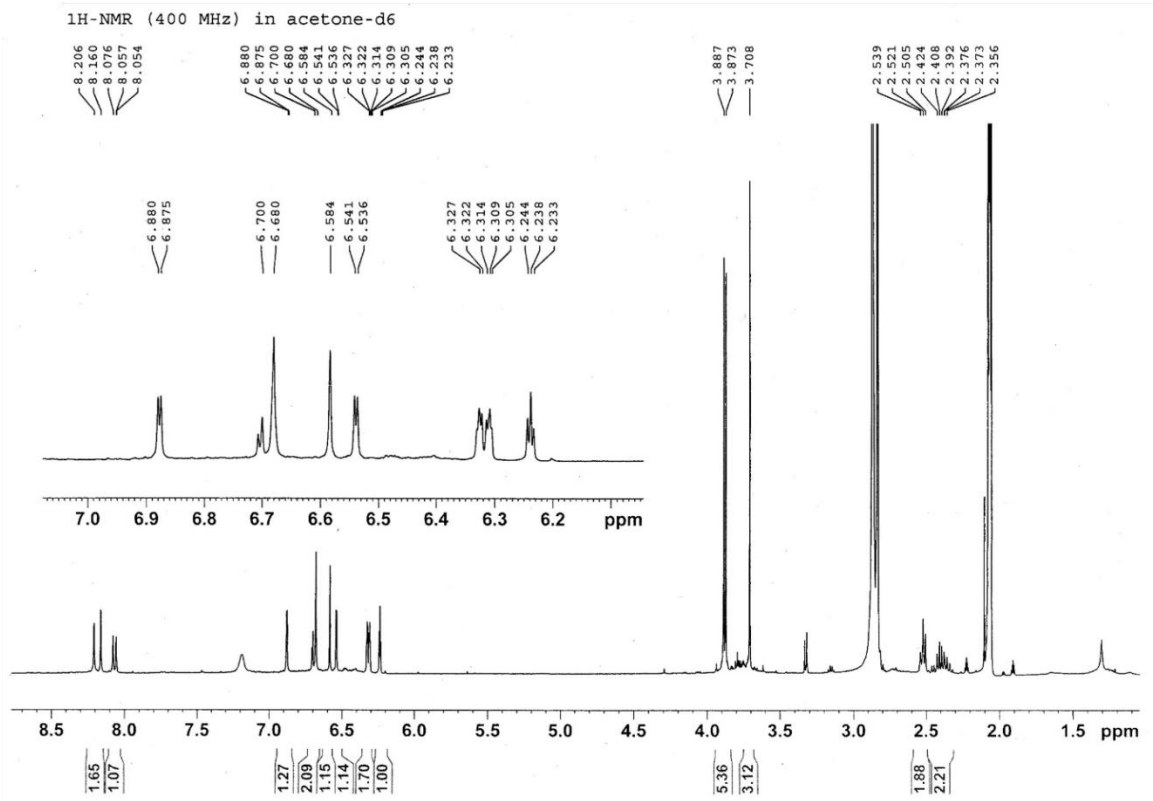


Figure S24. ^{1}H NMR spectrum of compound **3** in acetone-d_6 (400 MHz)

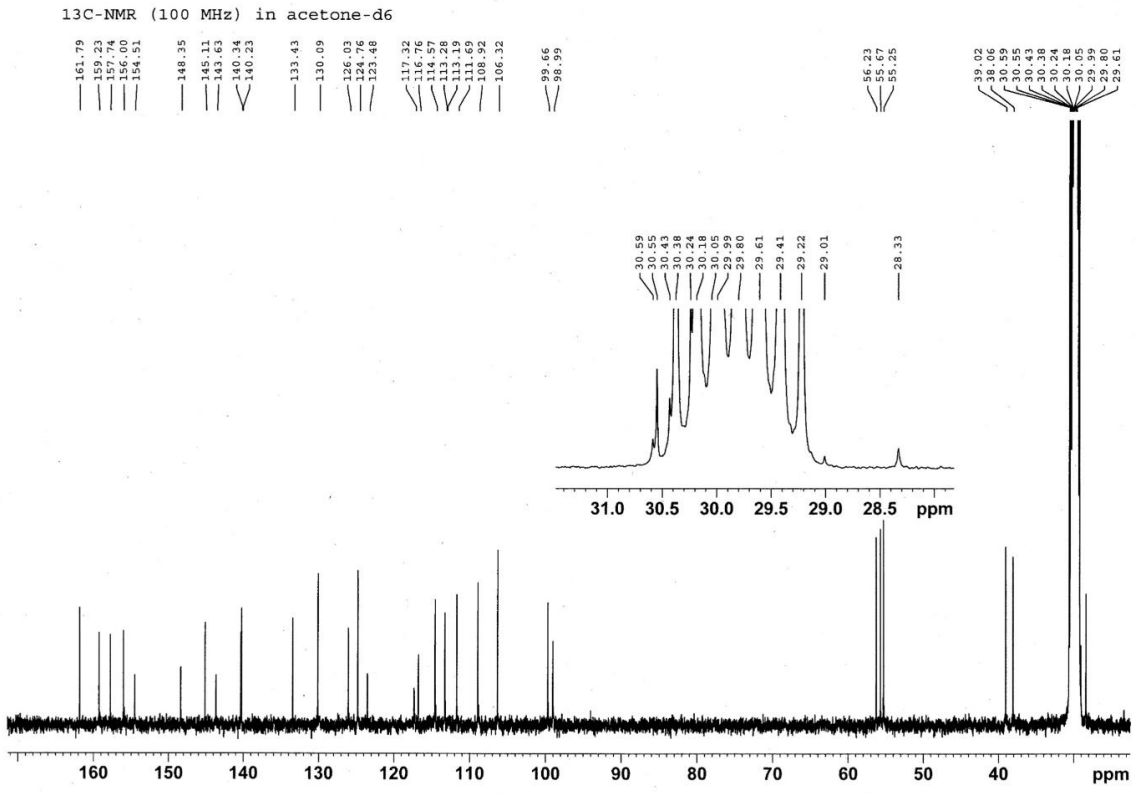


Figure S25. ^{13}C NMR spectrum of compound **3** in acetone-d_6 (100 MHz)

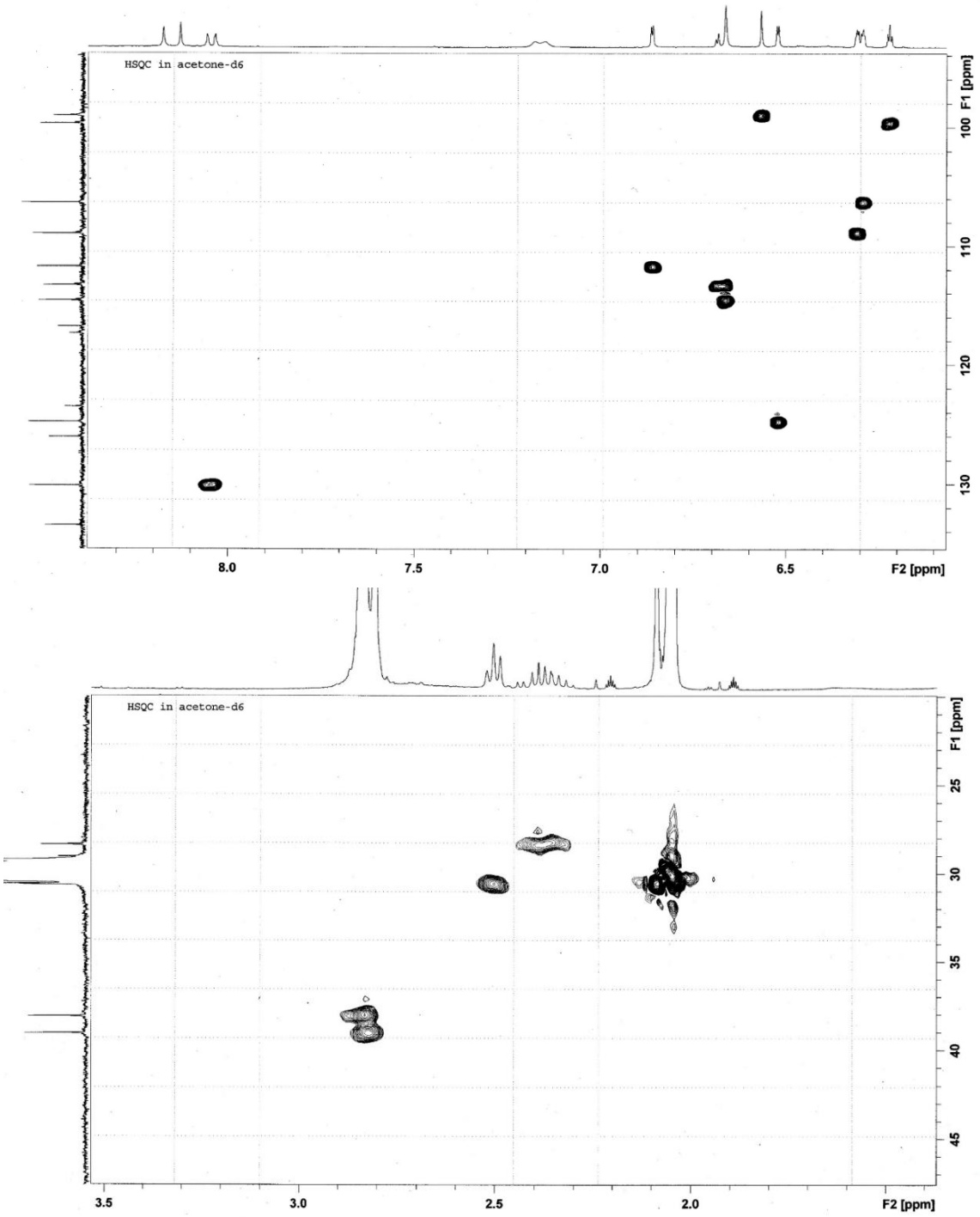


Figure S26. HSQC spectrum of compound **3**

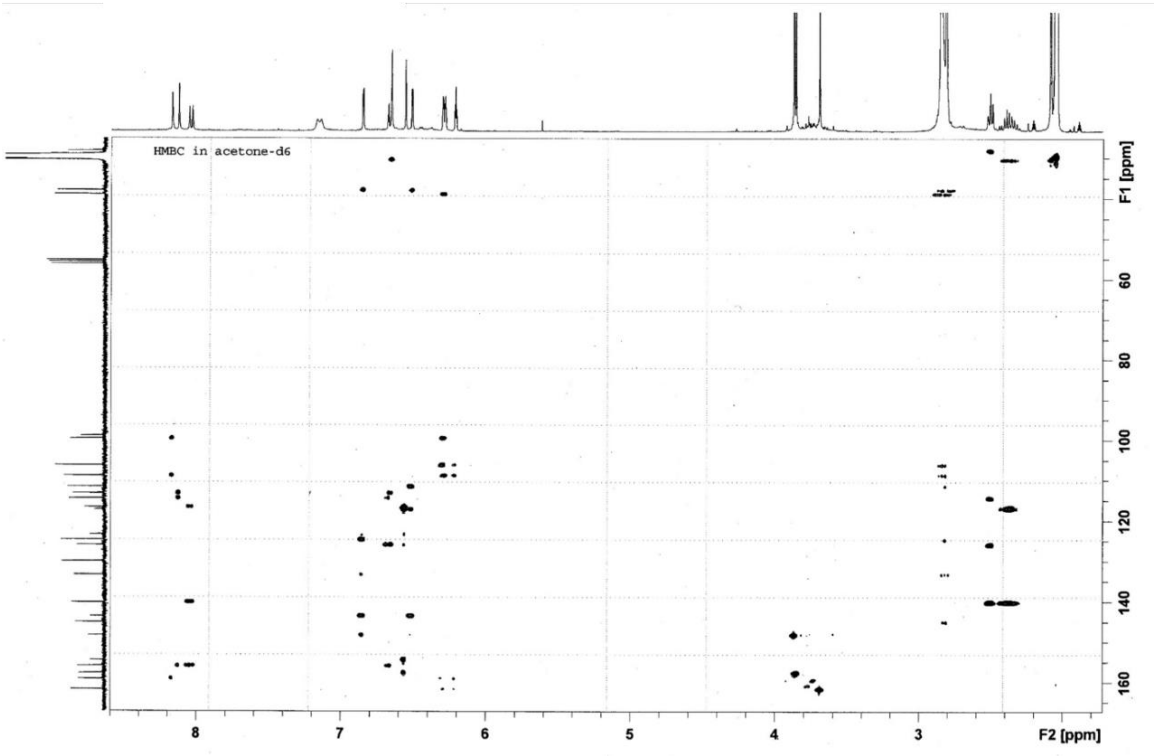


Figure S27. HMBC spectrum of compound **3**

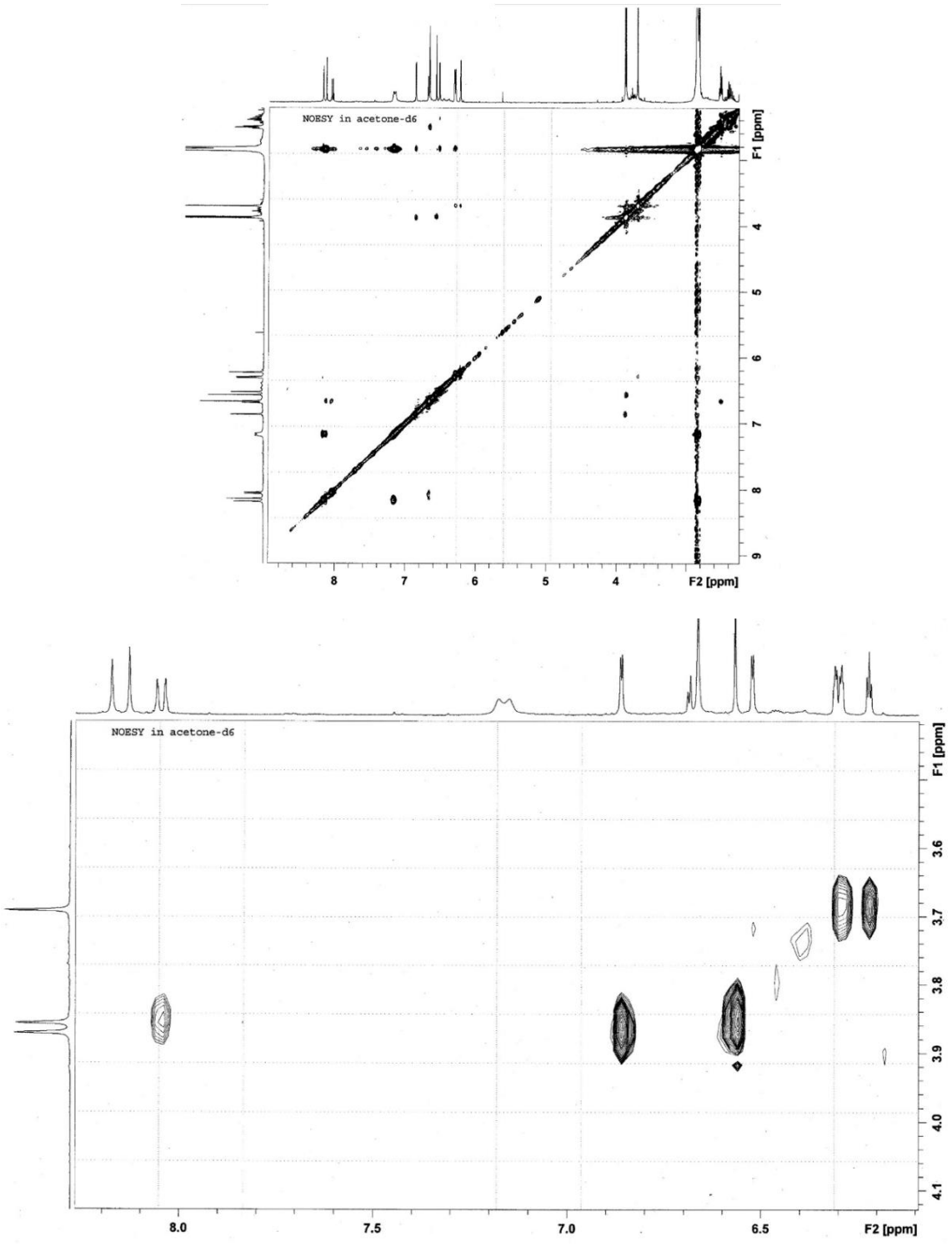


Figure S28. NOESY spectrum of compound **3**

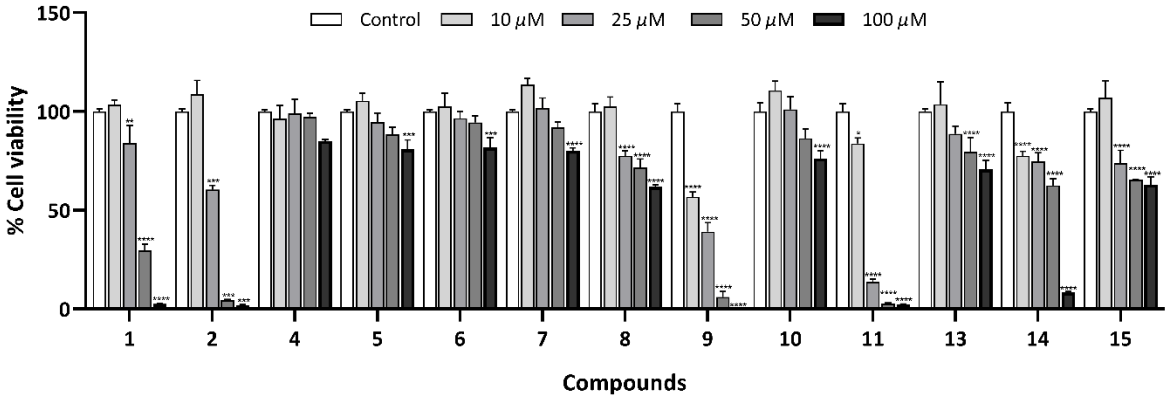


Figure S29. Cell viability of isolated compounds at 10, 25, 50, and 100 μM in LPS-stimulated THP-1 monocytes. The results showed in mean ± SD. One-way ANOVA followed the correction of multiple comparisons (Tukey test), ****$P < 0.0001$, ***$P < 0.001$, **$P < 0.01$, *$P<0.05$.