

Indole Alkaloids and Chromones from The Stem Bark of *Cassia alata* and Their Antiviral Activities

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Figure S1. ^{13}C and DEPT NMR spectrum of alataindolein A (**1**)

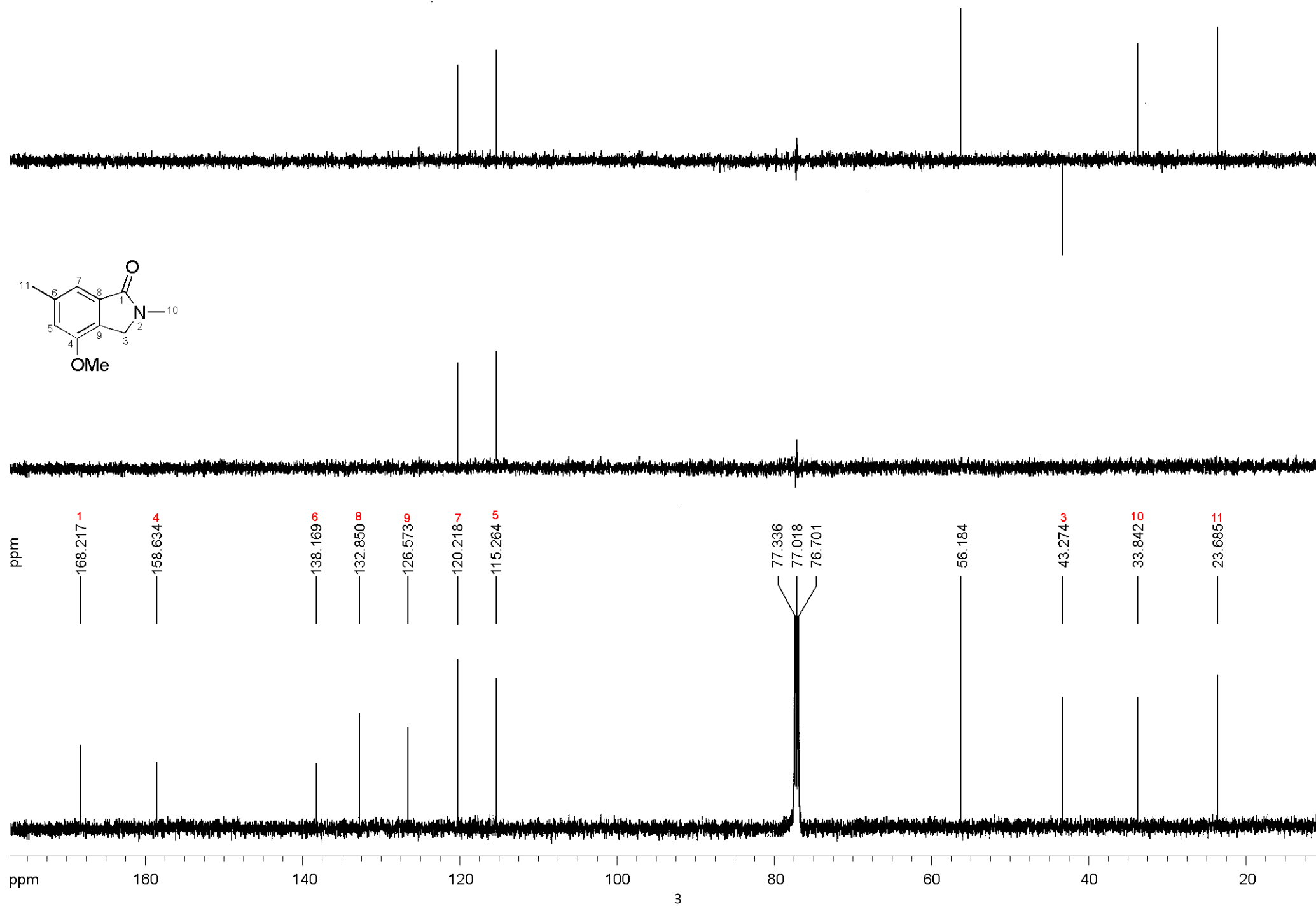


Figure S2. ^1H NMR spectrum of alataindolein A (1)

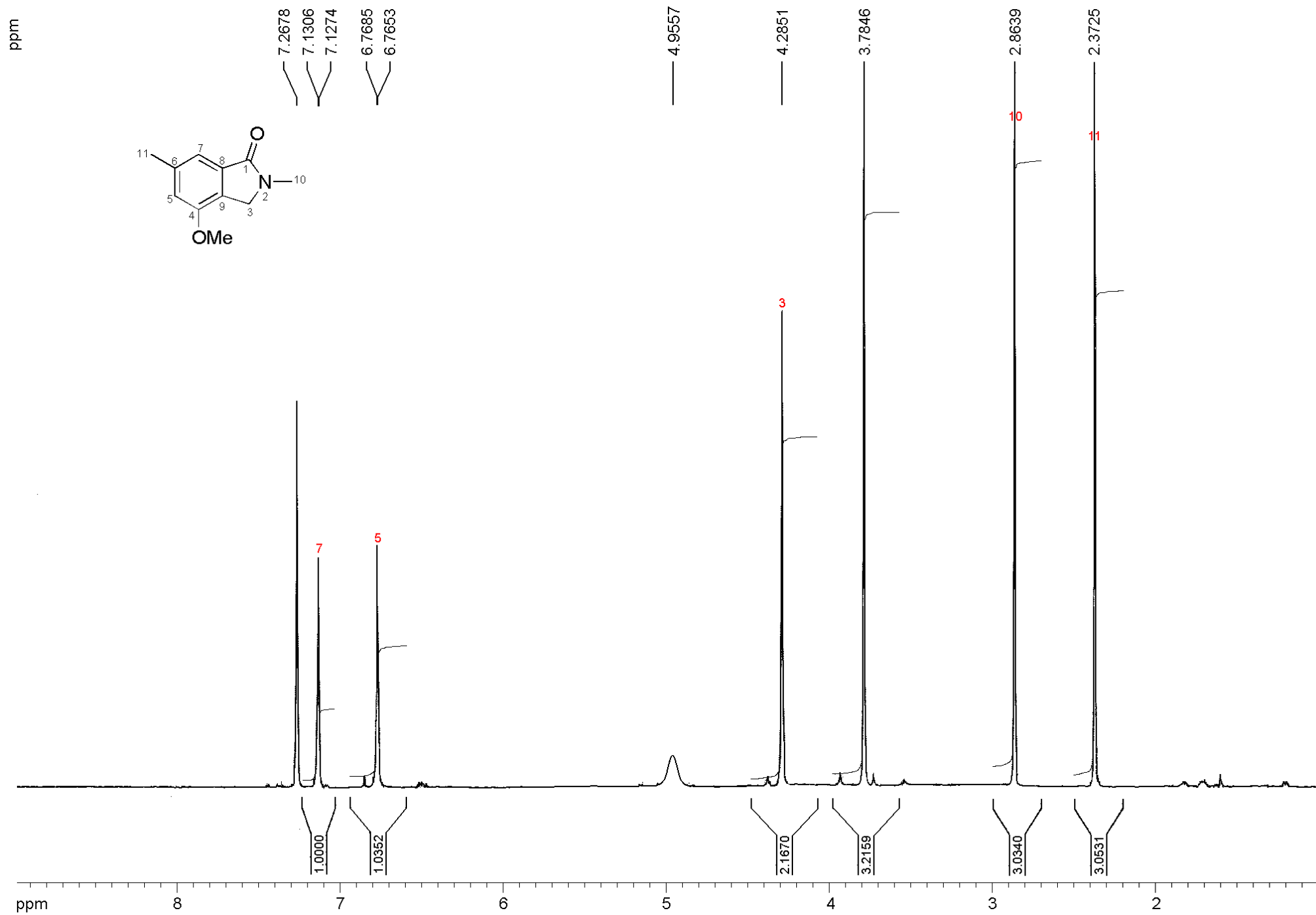


Figure S3. HSQC NMR spectrum of alataindolein (1)

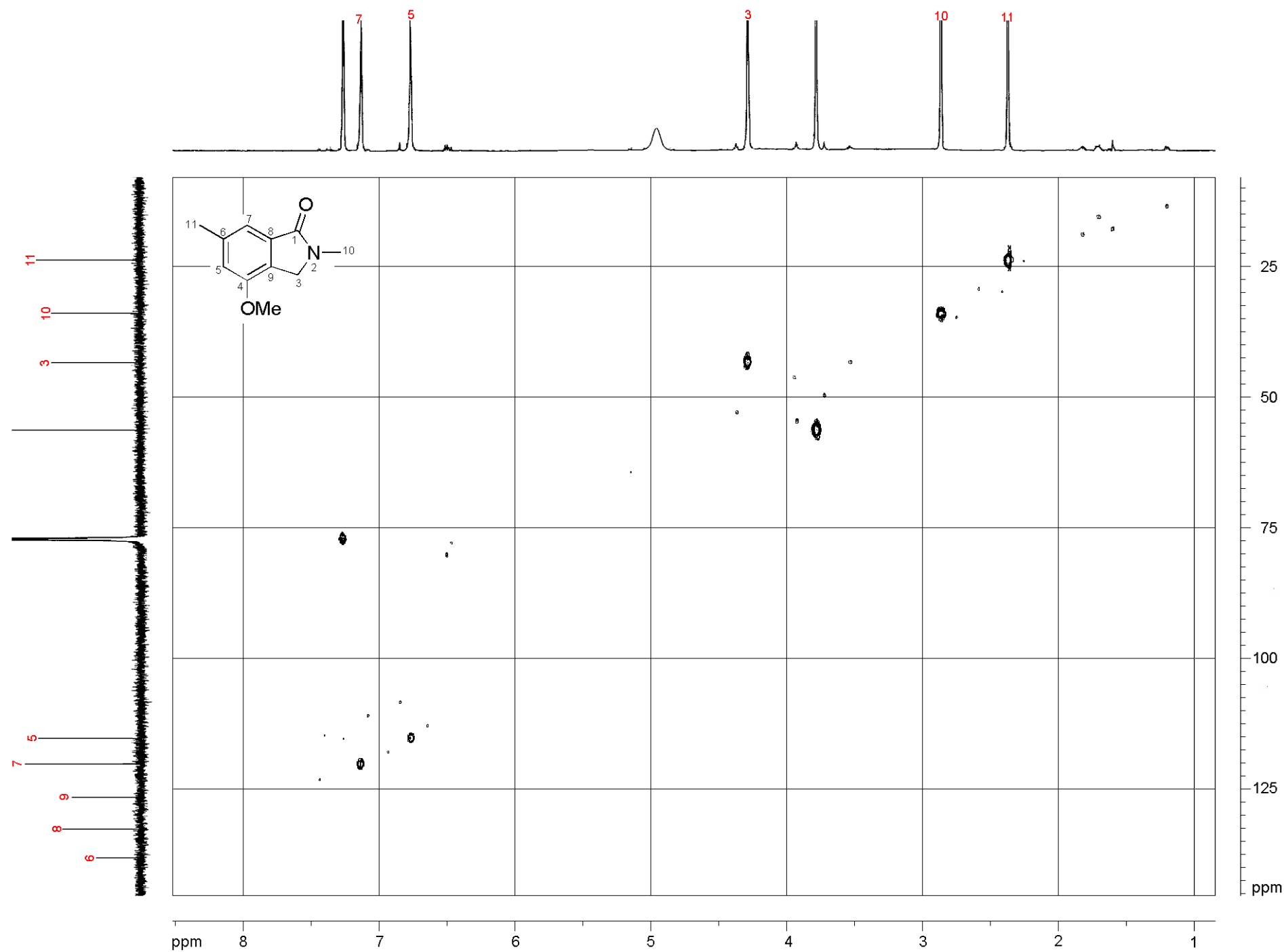


Figure S4. HMBC NMR spectrum of alataindolein A (**1**)

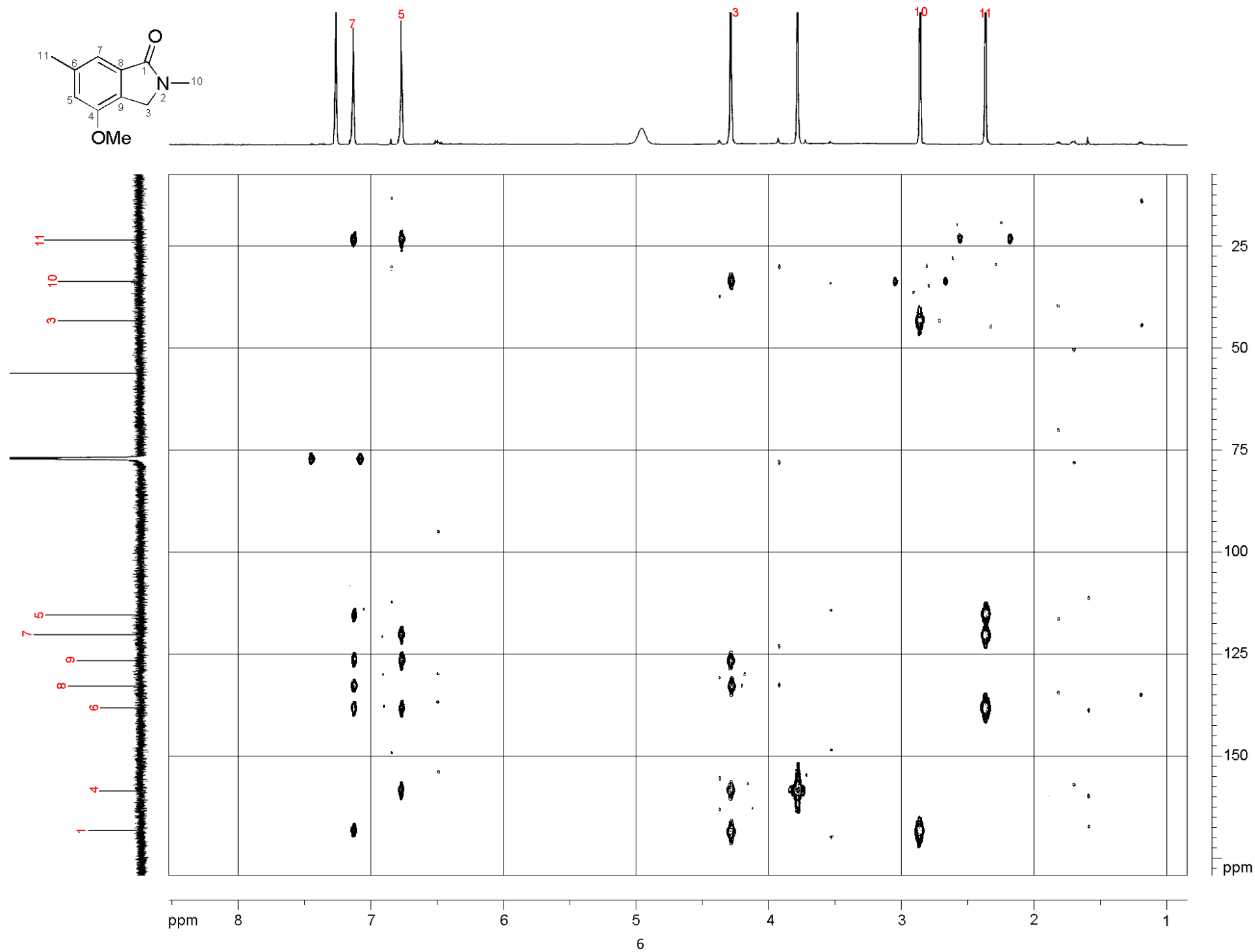


Figure S5. ^{13}C and DEPT NMR spectrum of alataindolein B (**2**)

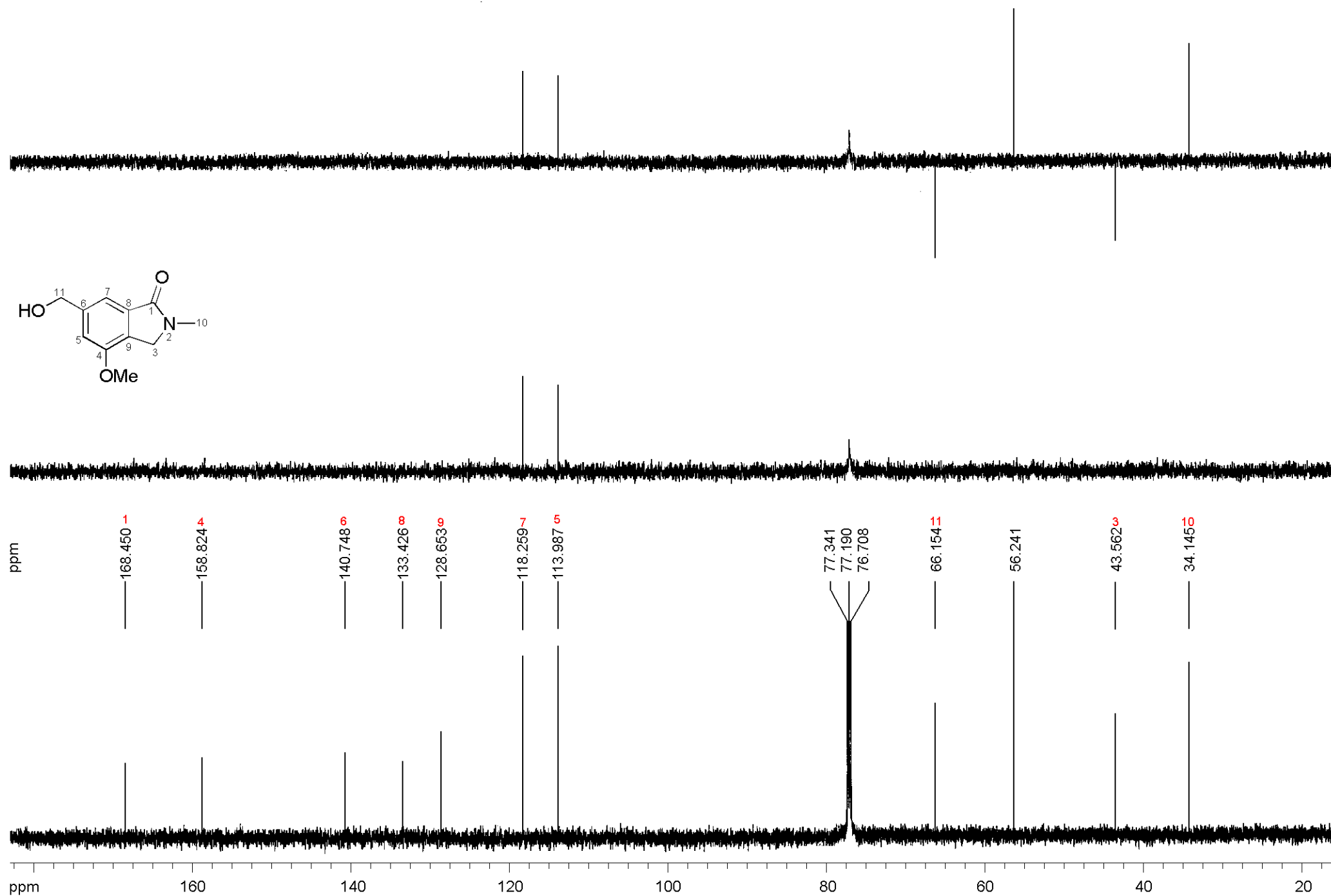


Figure S6. ^1H NMR spectrum of alataindolein B (2)

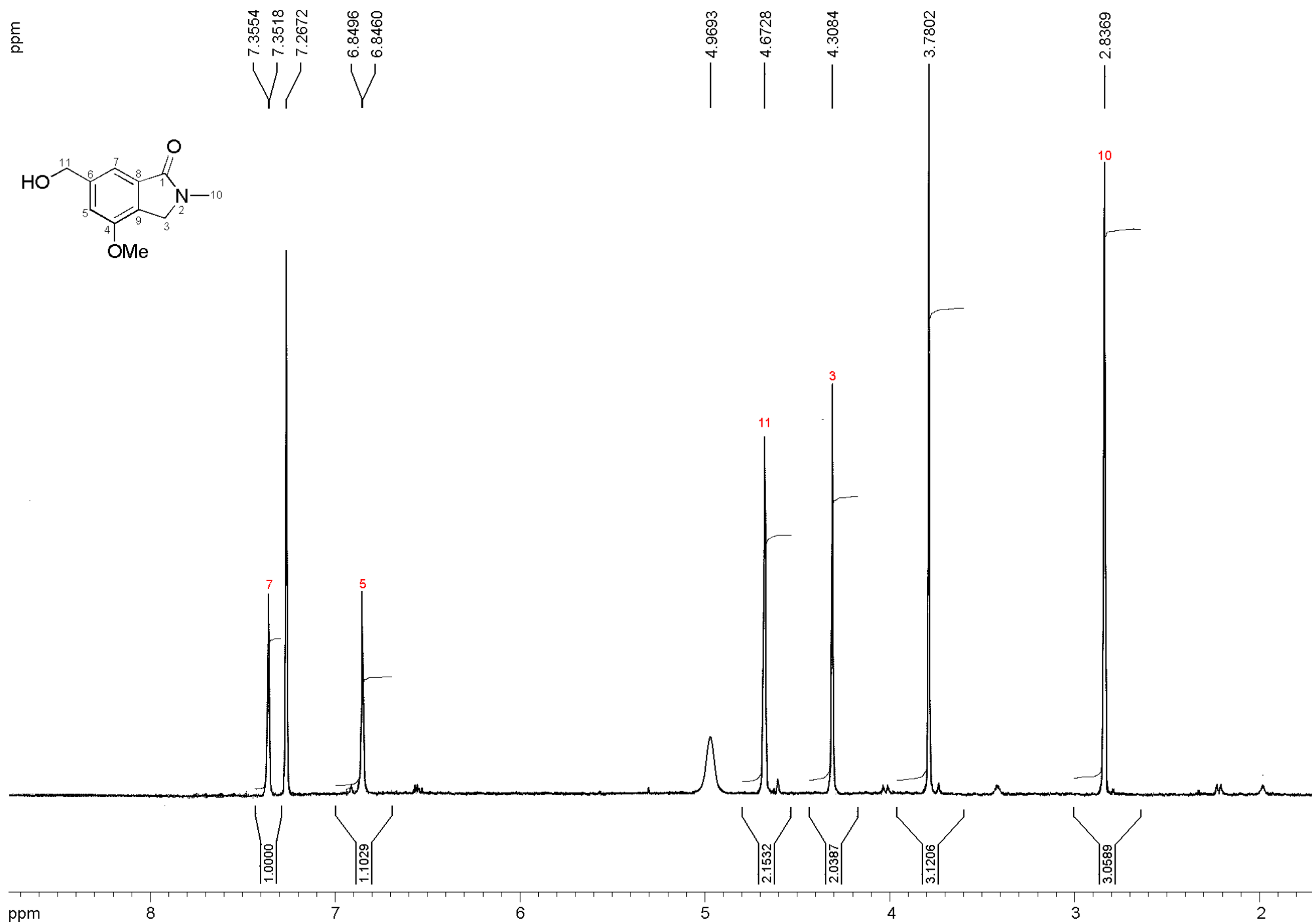


Figure S7. ^{13}C and DEPT NMR spectrum of alataindolein C (**3**)

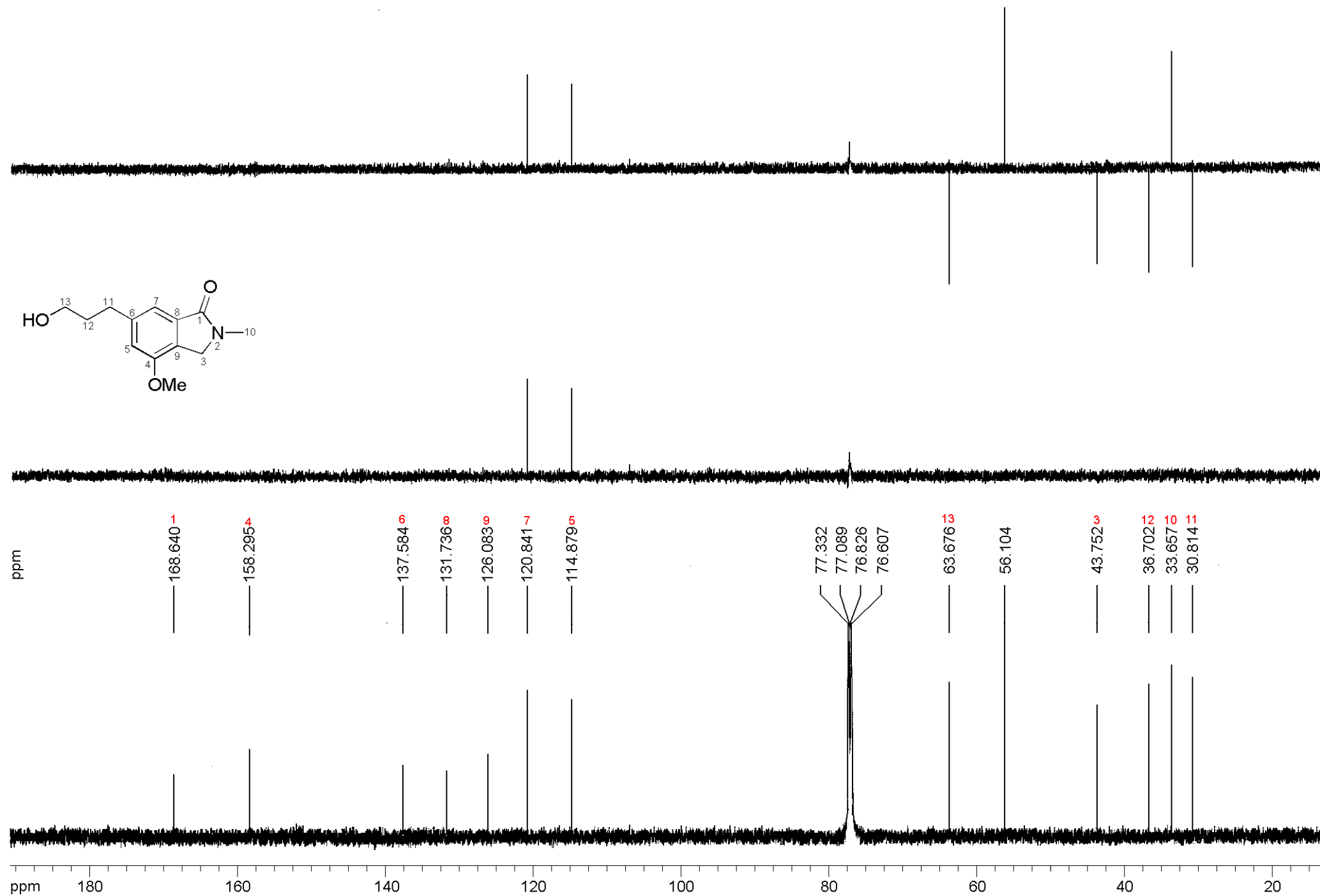


Figure S8. ^1H NMR spectrum of alataindolein C (**3**)

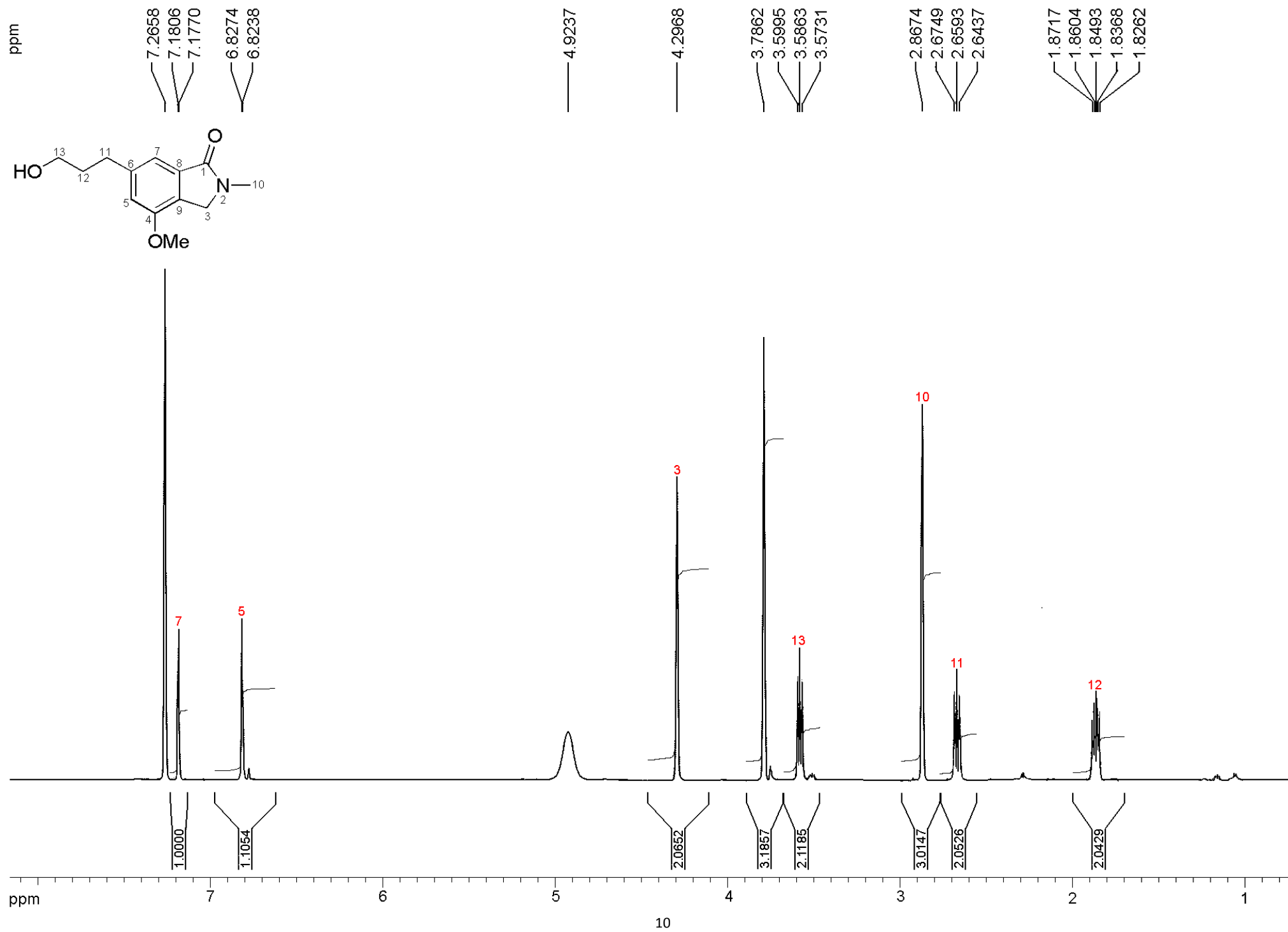


Figure S9. ^{13}C and DEPT spectrum of alatachromone A (4)

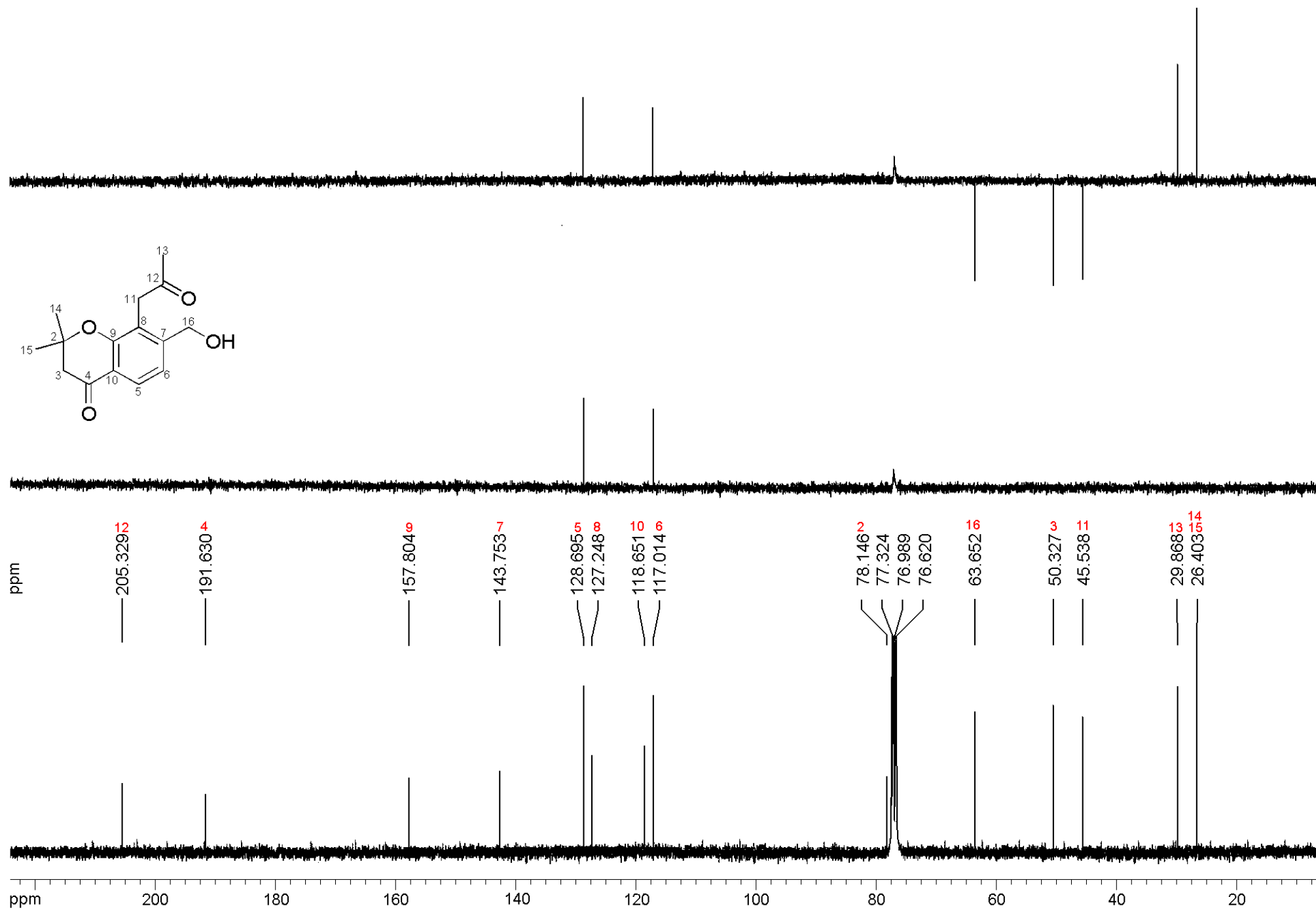


Figure S10. ^1H NMR spectrum of alatachromone A (4)

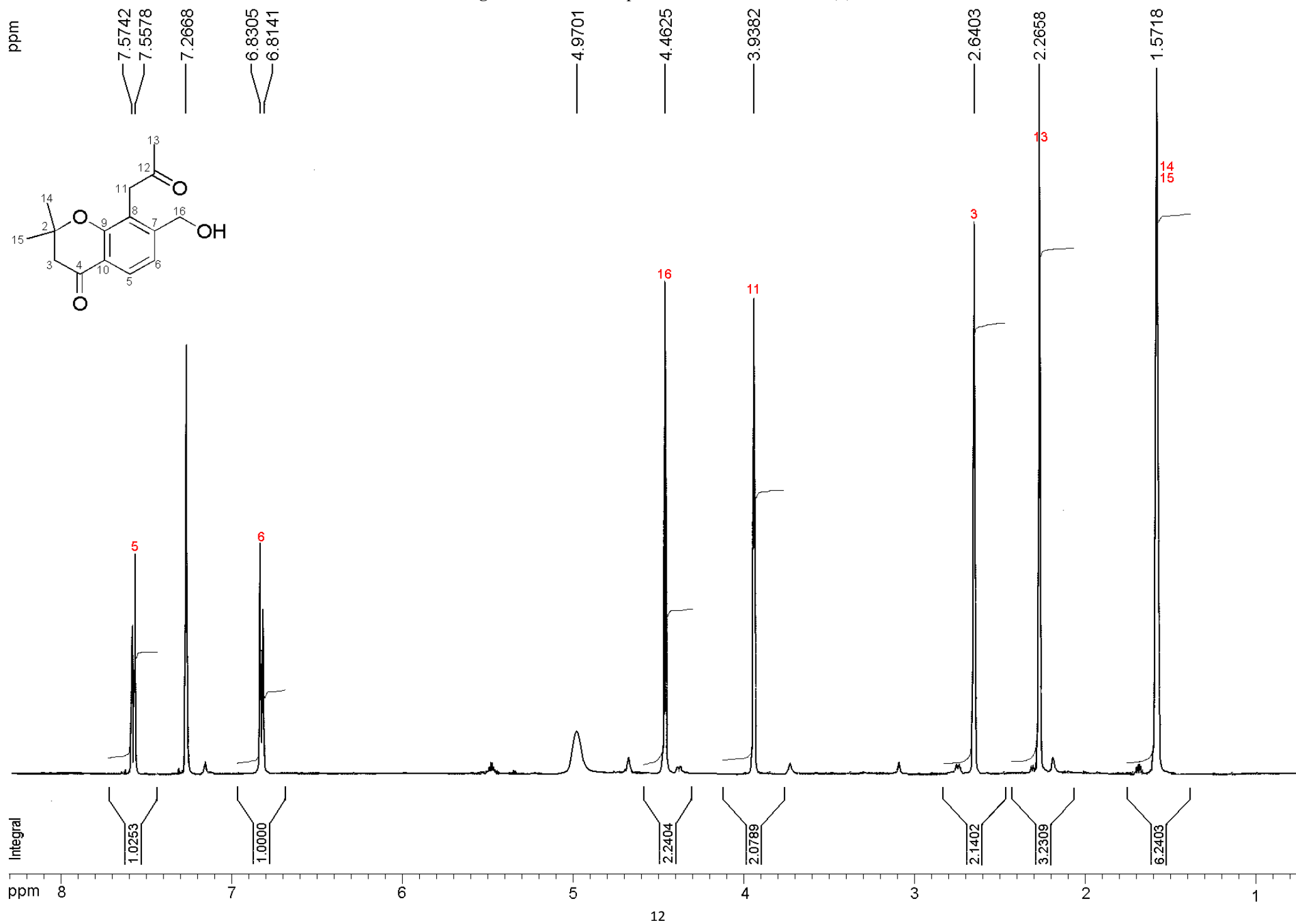


Figure S11. HSQC spectrum of alatachromone A (4)

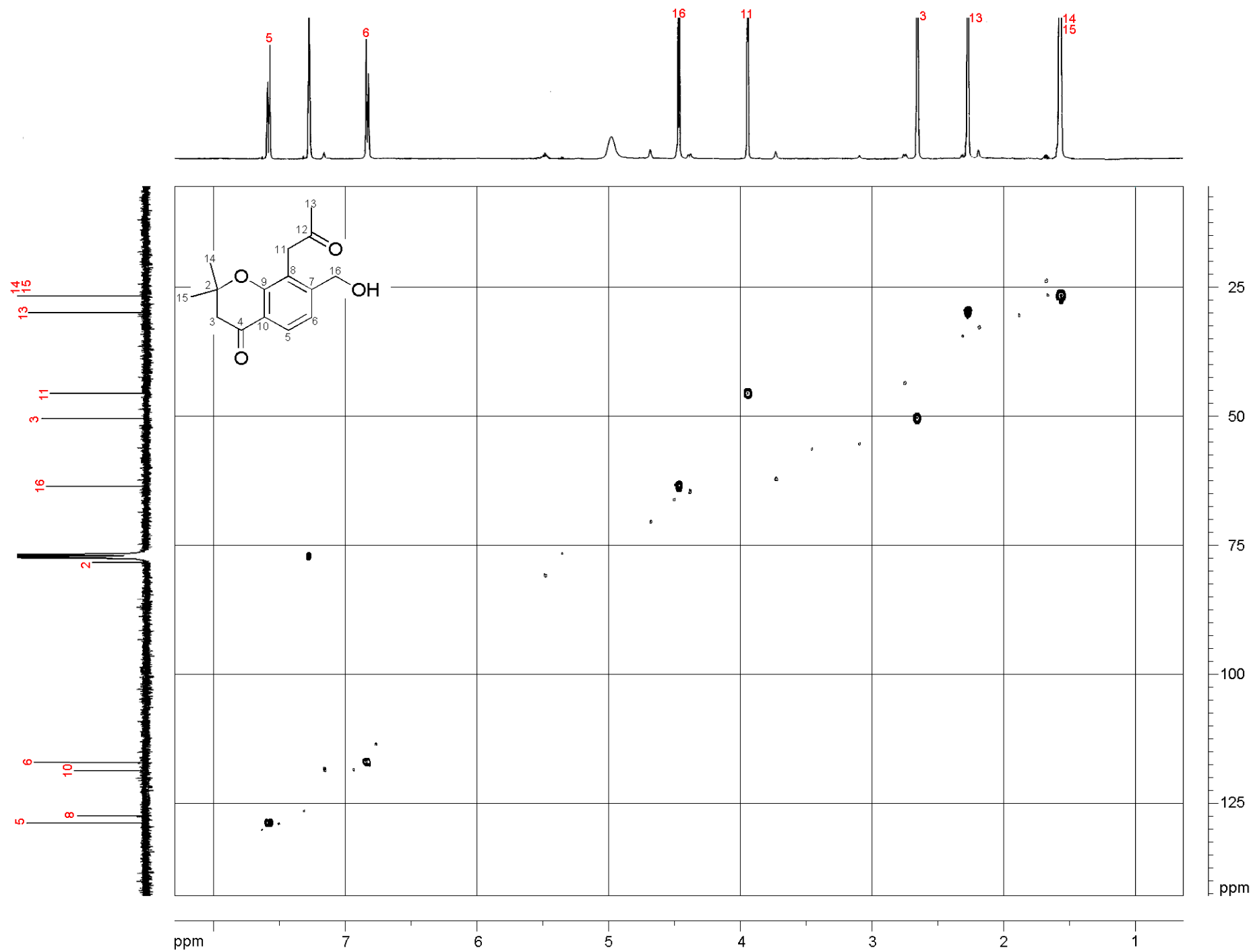


Figure S12. HMBC spectrum of alatachromone A (4)

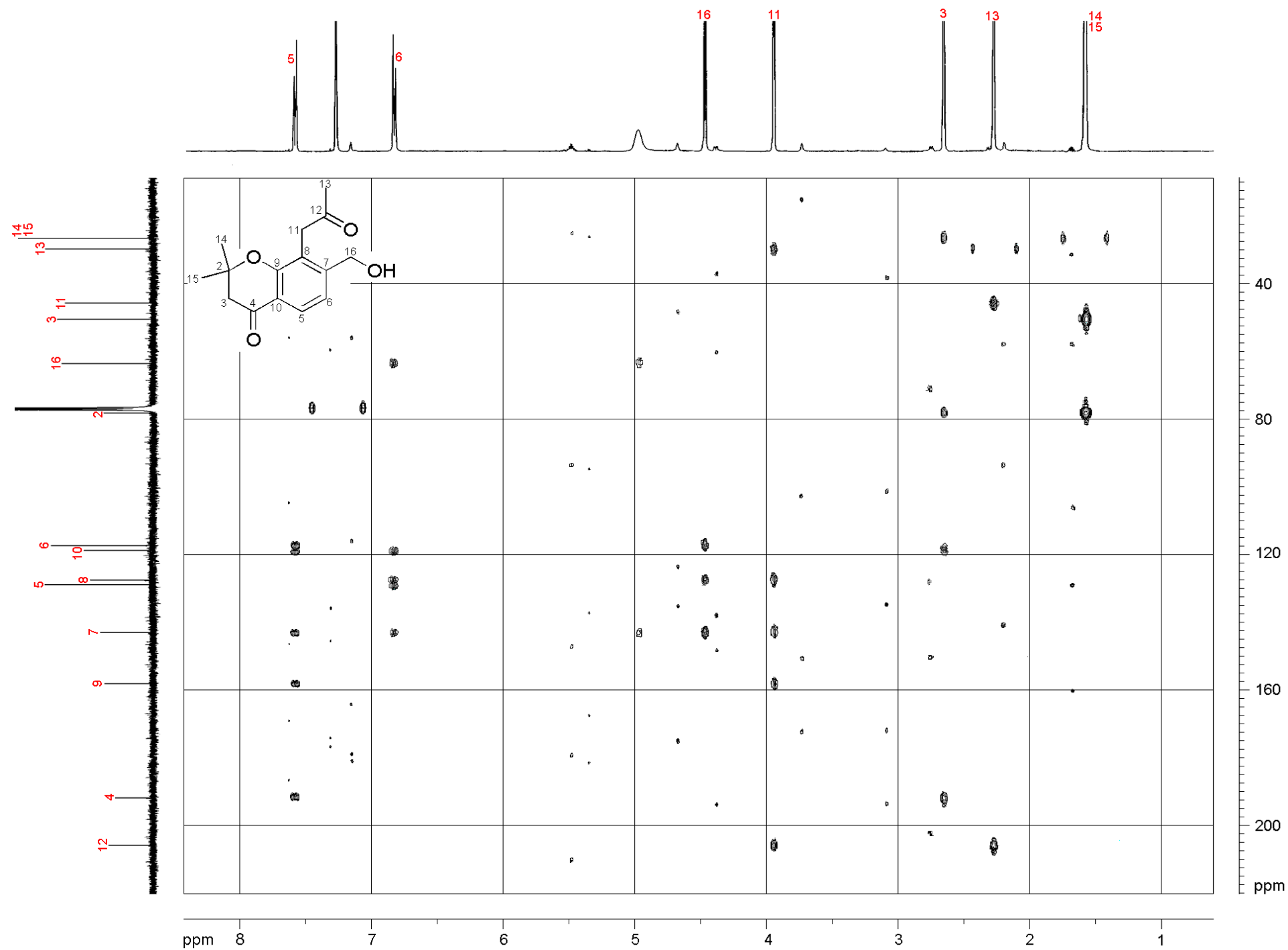


Figure S13. ^{13}C and DEPT NMR spectrum of alataindolein D (**5**)

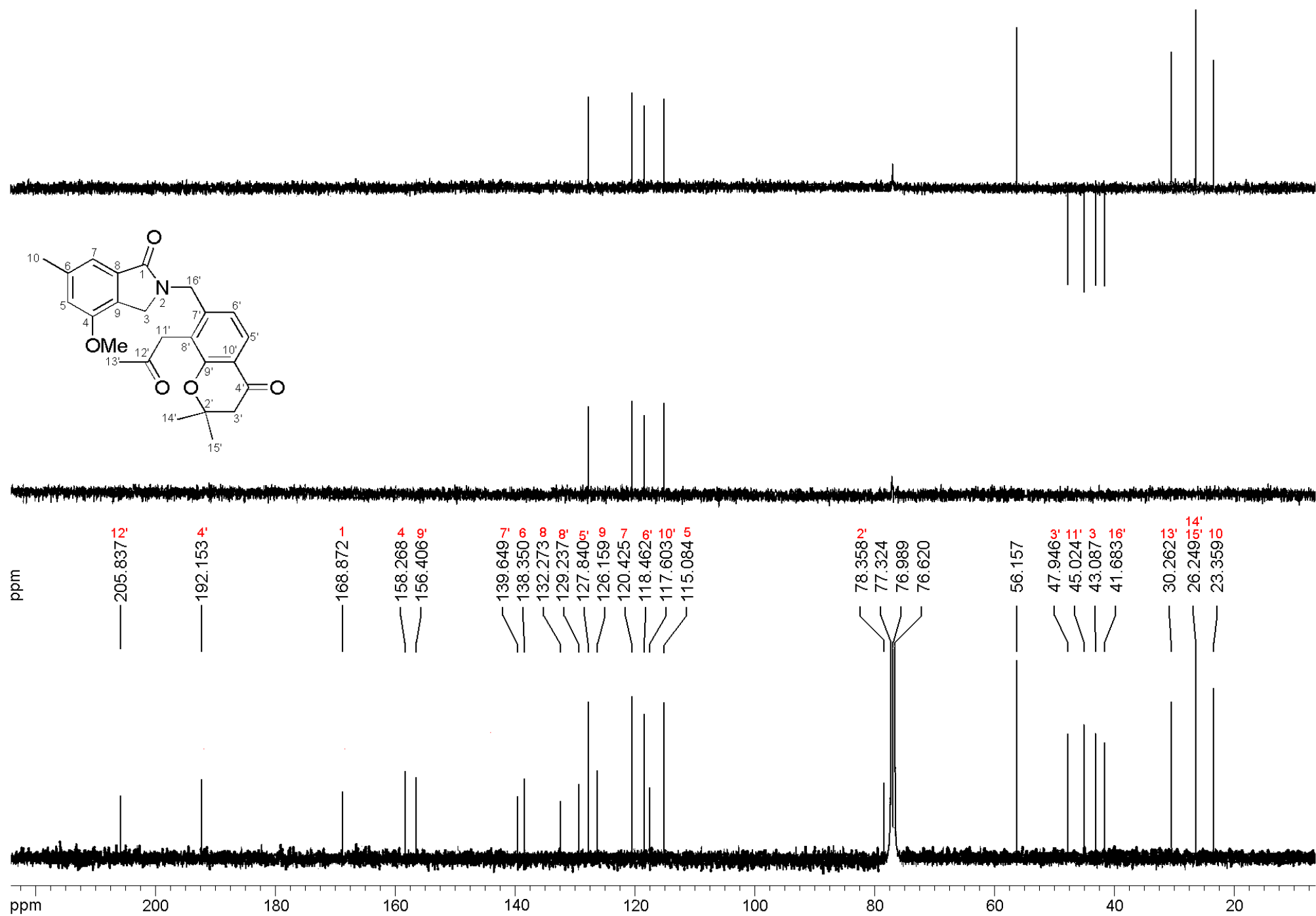


Figure S14. ^1H NMR spectrum of alataindolein D (**5**)

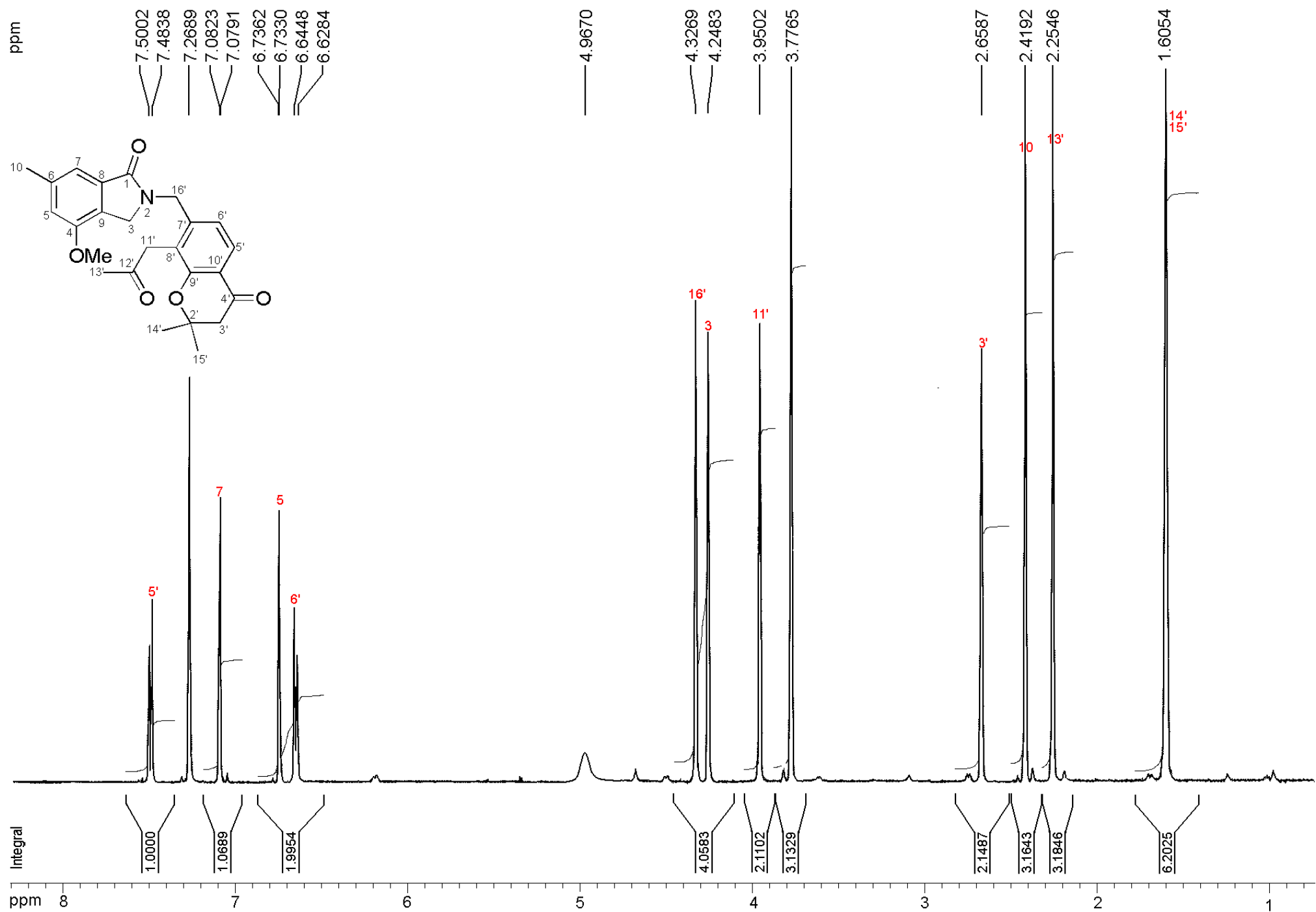


Figure S15. HSQC NMR spectrum of alataindolein D (5)

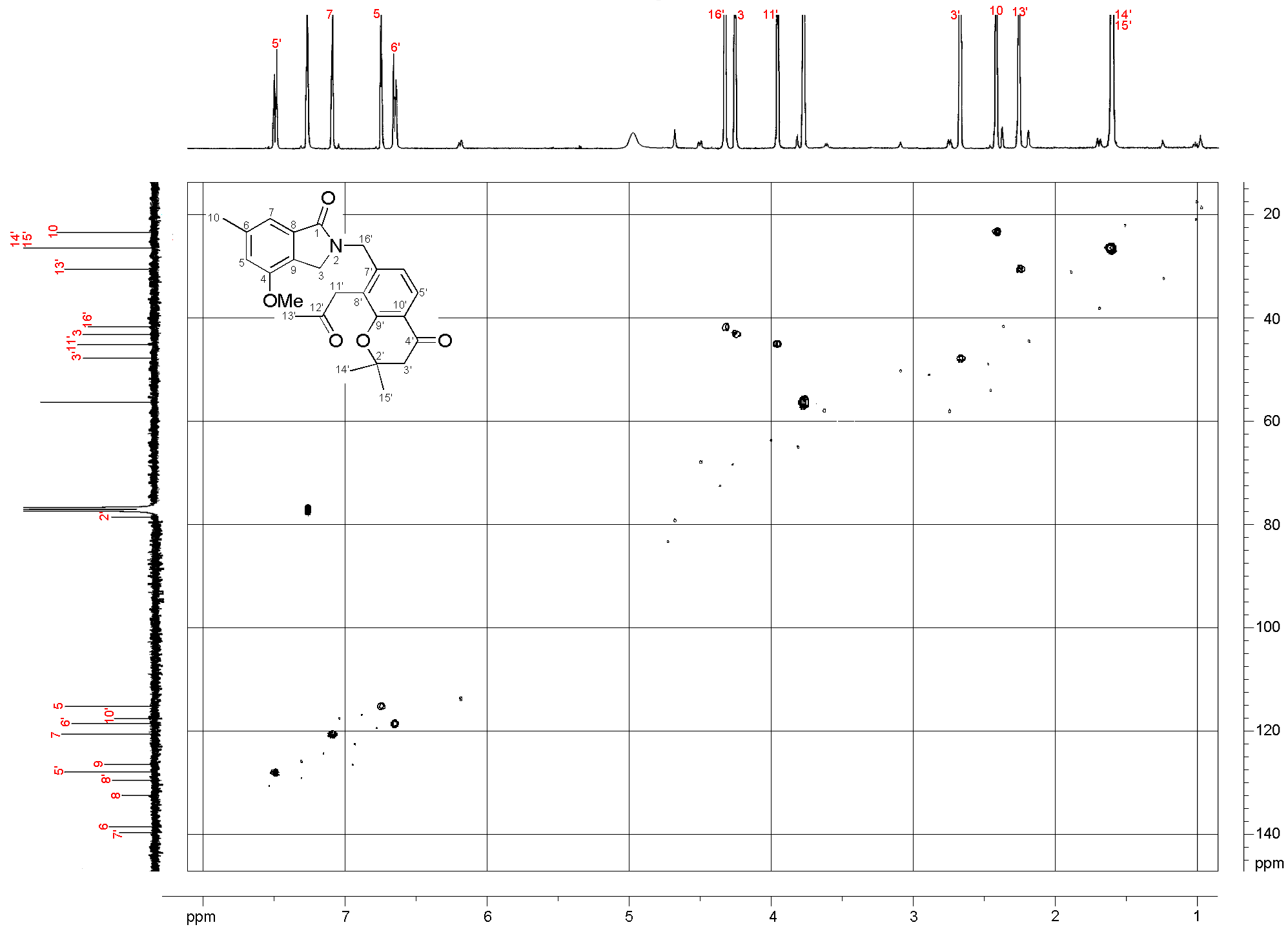
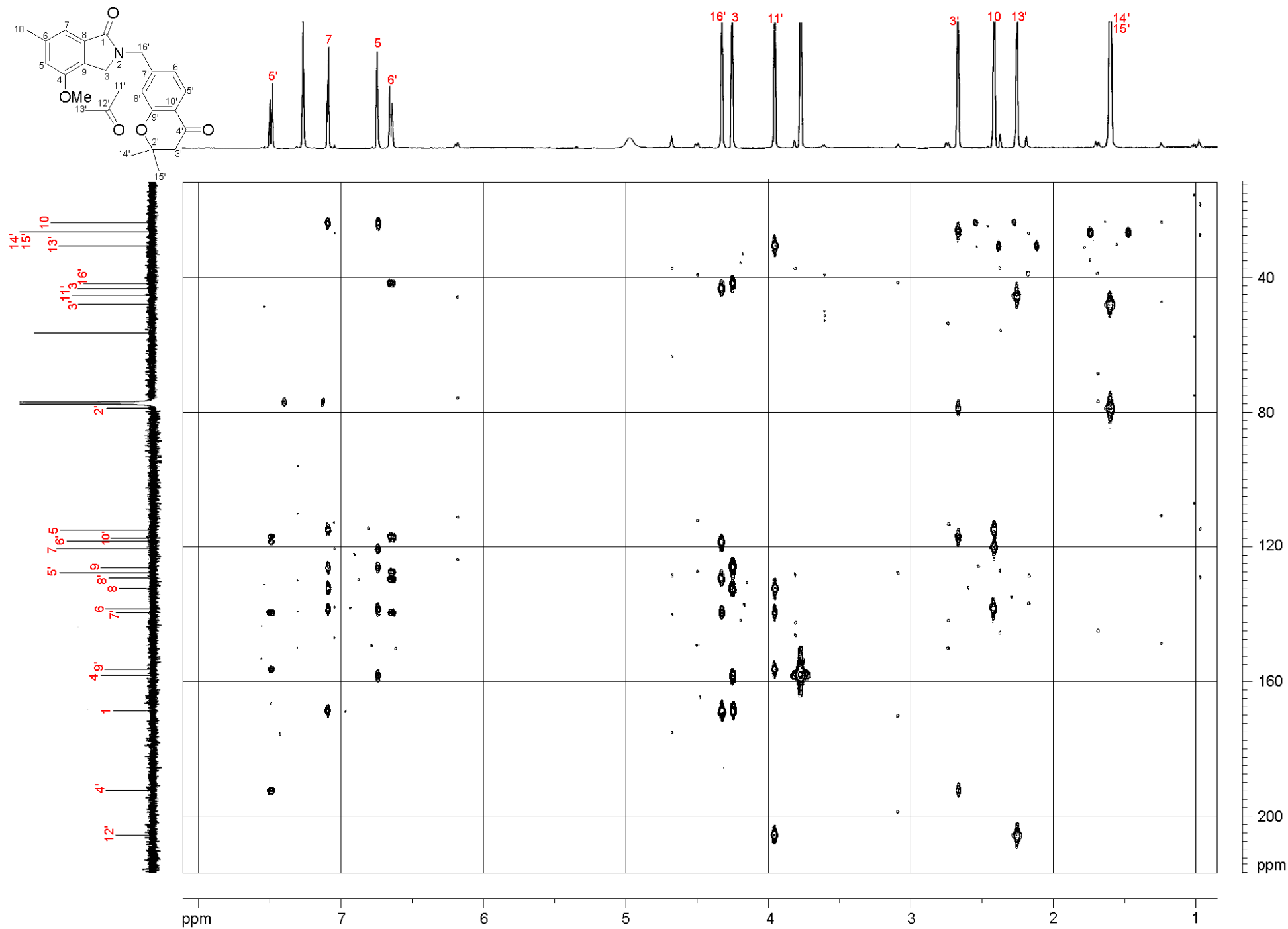
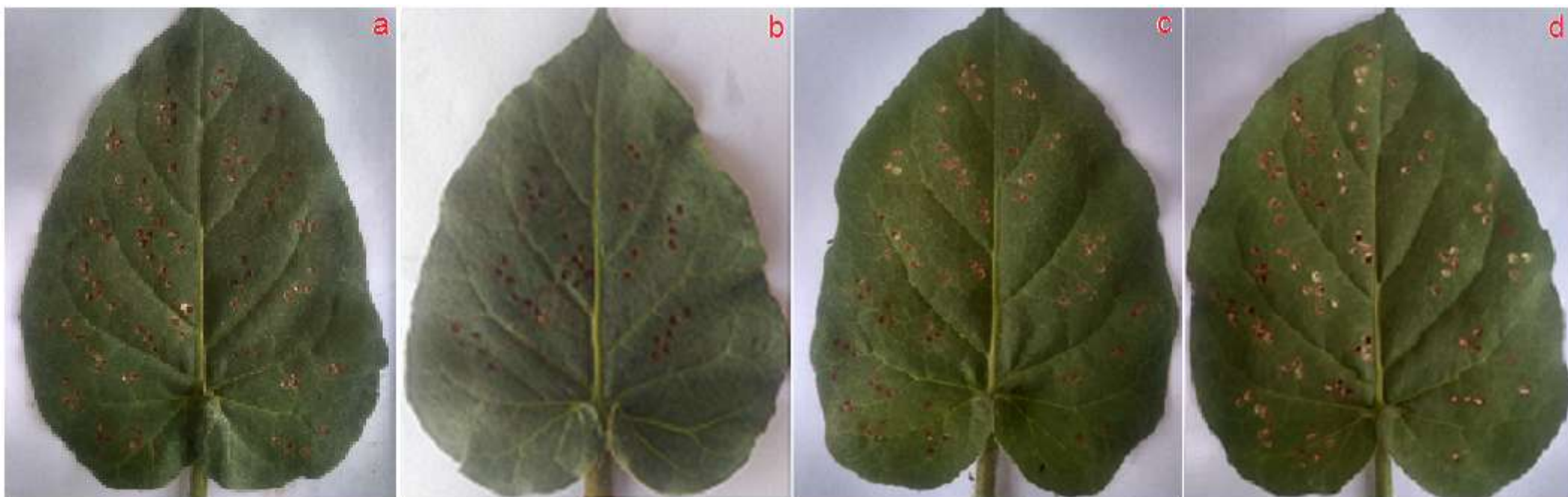


Figure S12. HMBC NMR spectrum of alataindolein D (**5**)





FigFigure S17. The antiviral inhibition rates tested by half-leaf method for compounds **2–4**
[**a.** (ningnanmycin); **b.** (compound **2**); **c.** (compound **3**); **d.** (compound **4**)]



Figure S18. The protective effects of compounds **2–4** on TMV

[**a.** control (pretreating the tobacco plant with DMSO solution); **b.** pretreating the tobacco plant with **2**; **c.** pretreating the tobacco plant with **3**; **d.** pretreating the tobacco plant with **4**; **e.** pretreating the tobacco plant with ningnanmycin (positive control)]