

Supplementary Information

Antiproliferative Activity of Dibenzoylmethanes from Root Bark of *Muellera filipes* (Benth) M.J. Silva & A.M.G. Azevedo

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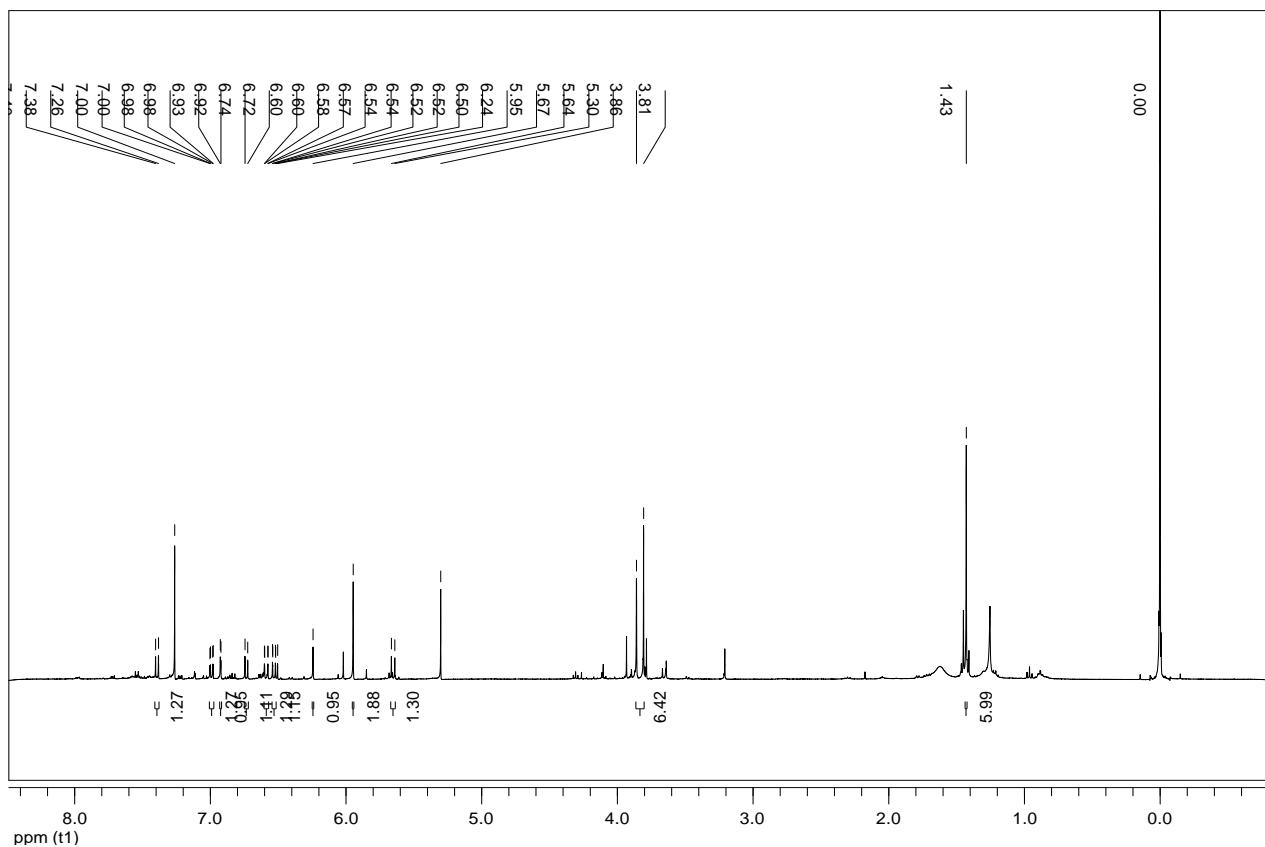


Figure S1. ^1H NMR spectrum of compound **1** (400.1 MHz, CDCl_3).

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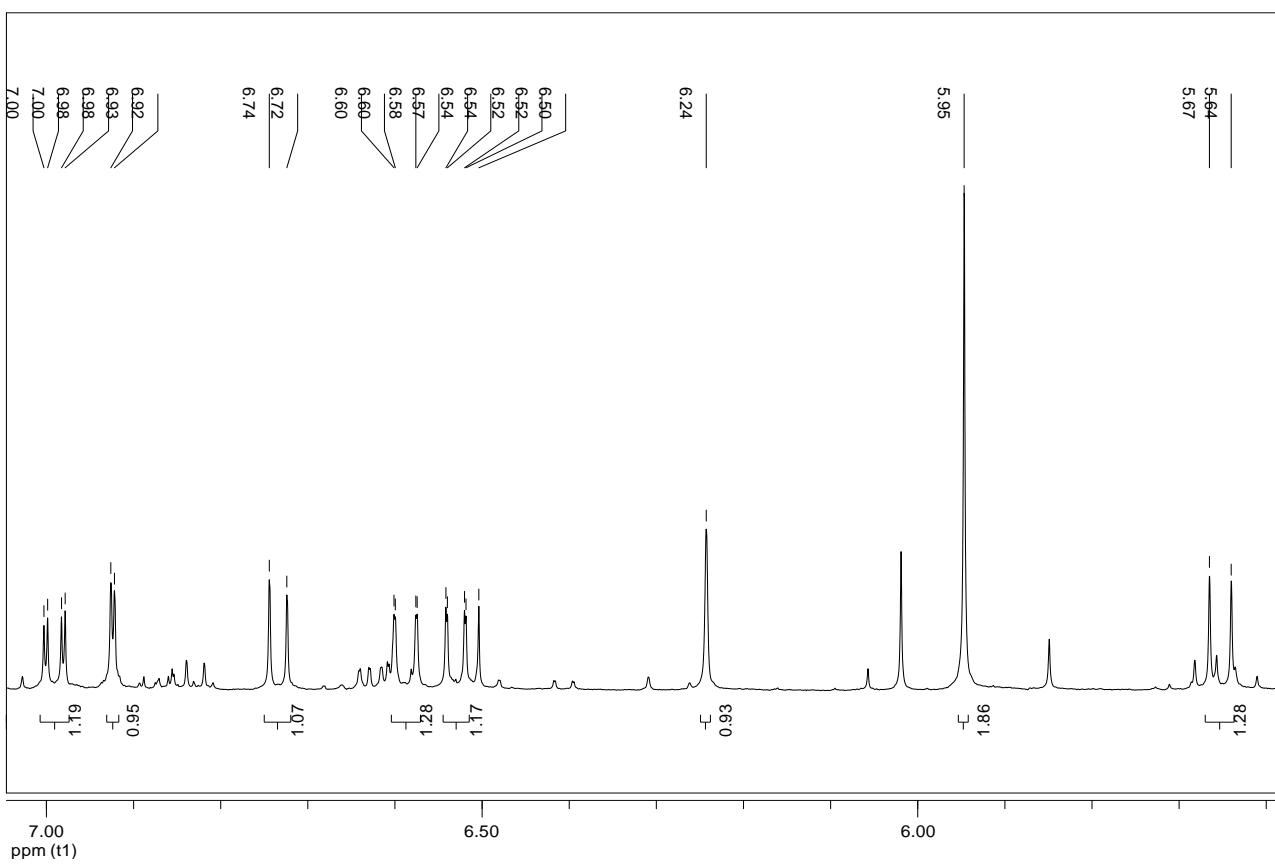


Figure S2. ¹H NMR spectrum of **1** (400.1 MHz, CDCl₃), expansion from δ 5.64 to 7.00 ppm.

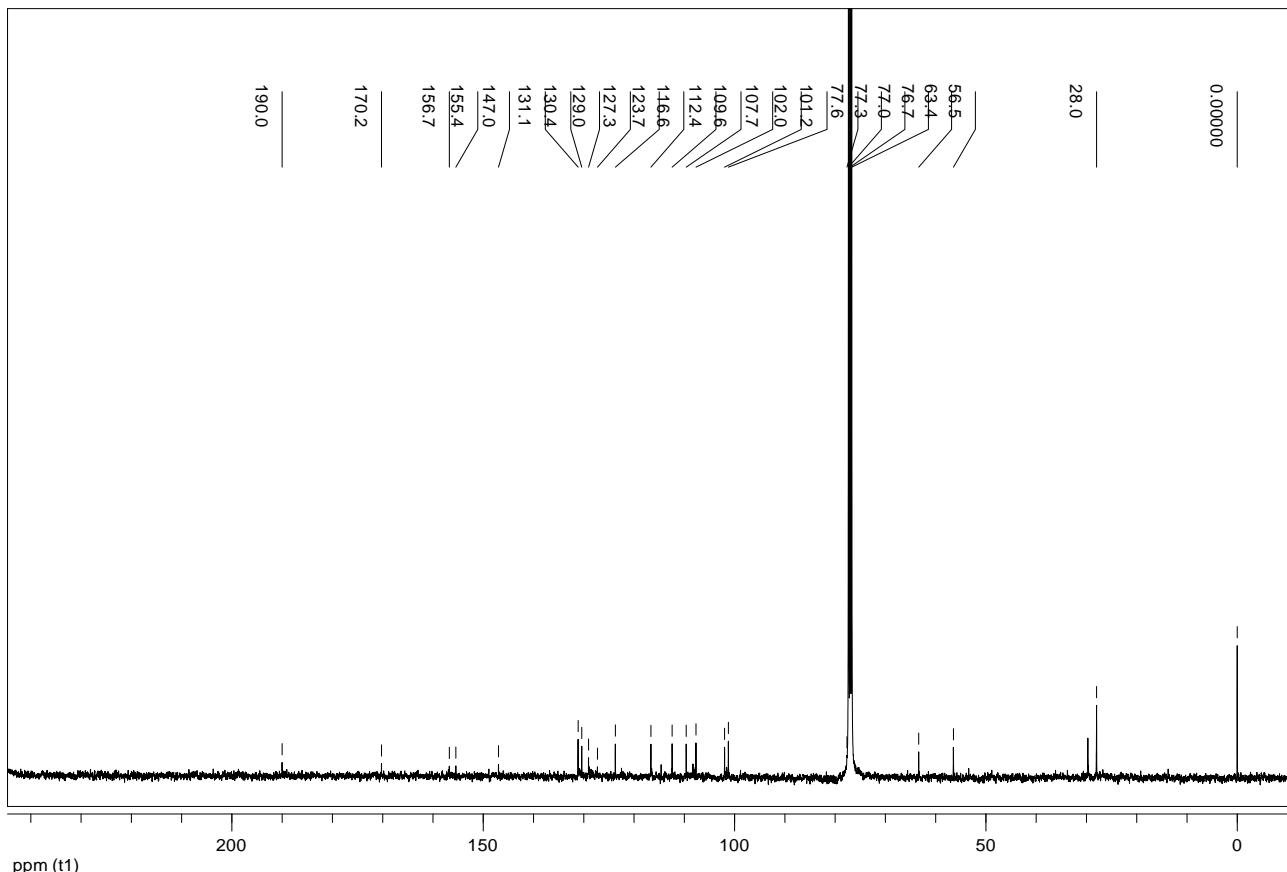


Figure S3. ¹³C NMR spectrum of compound **1** (100.6 MHz, CDCl₃).

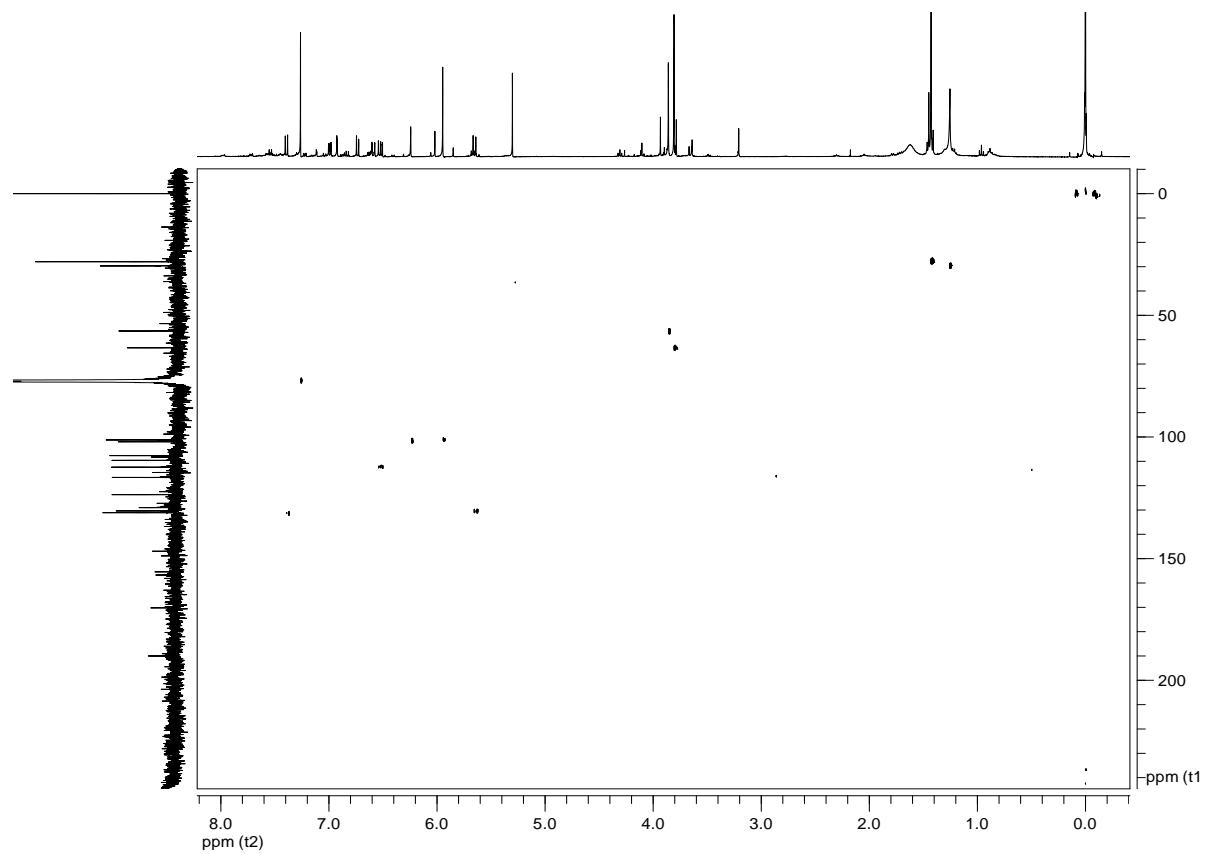


Figure S4. ¹H-¹³C one-bond correlation map from HSQC NMR experiment of compound **1** in CDCl₃ at 400.1 and 100.6 MHz, respectively.

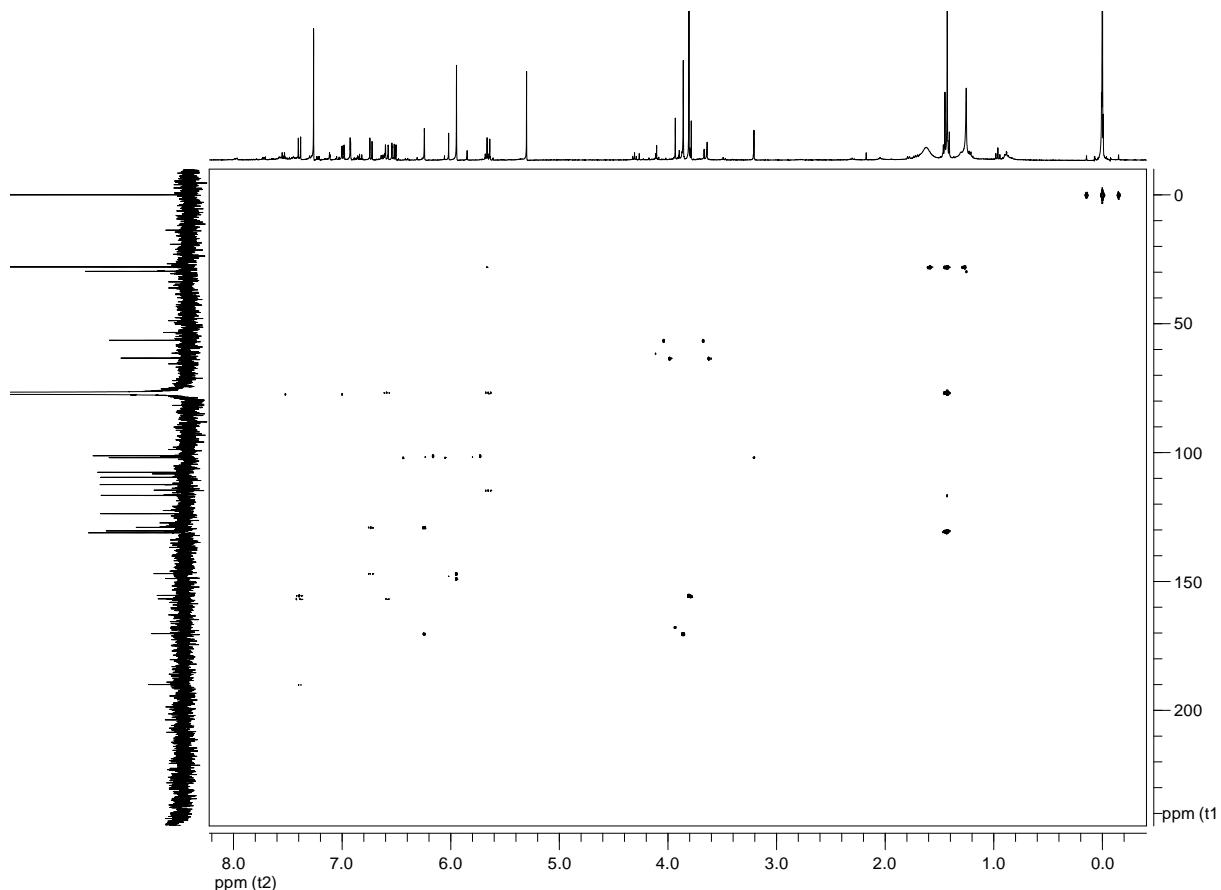


Figure S5. ¹H-¹³C long-range correlation map from HMBC NMR experiment of compound **1** in CDCl₃ at 400.1 and 100.6 MHz, respectively.

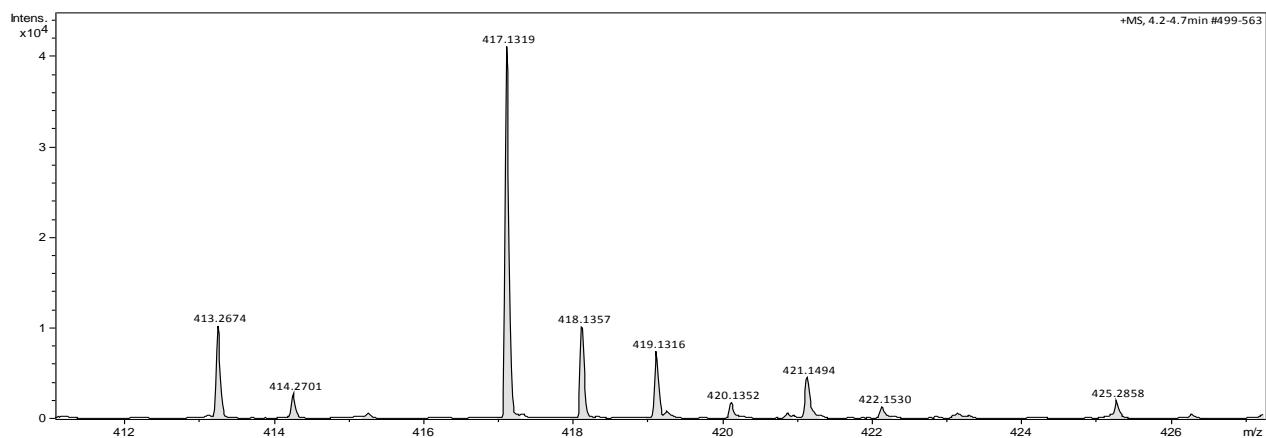


Figure S6. HRMS (pESI) spectrum of compound **1**.

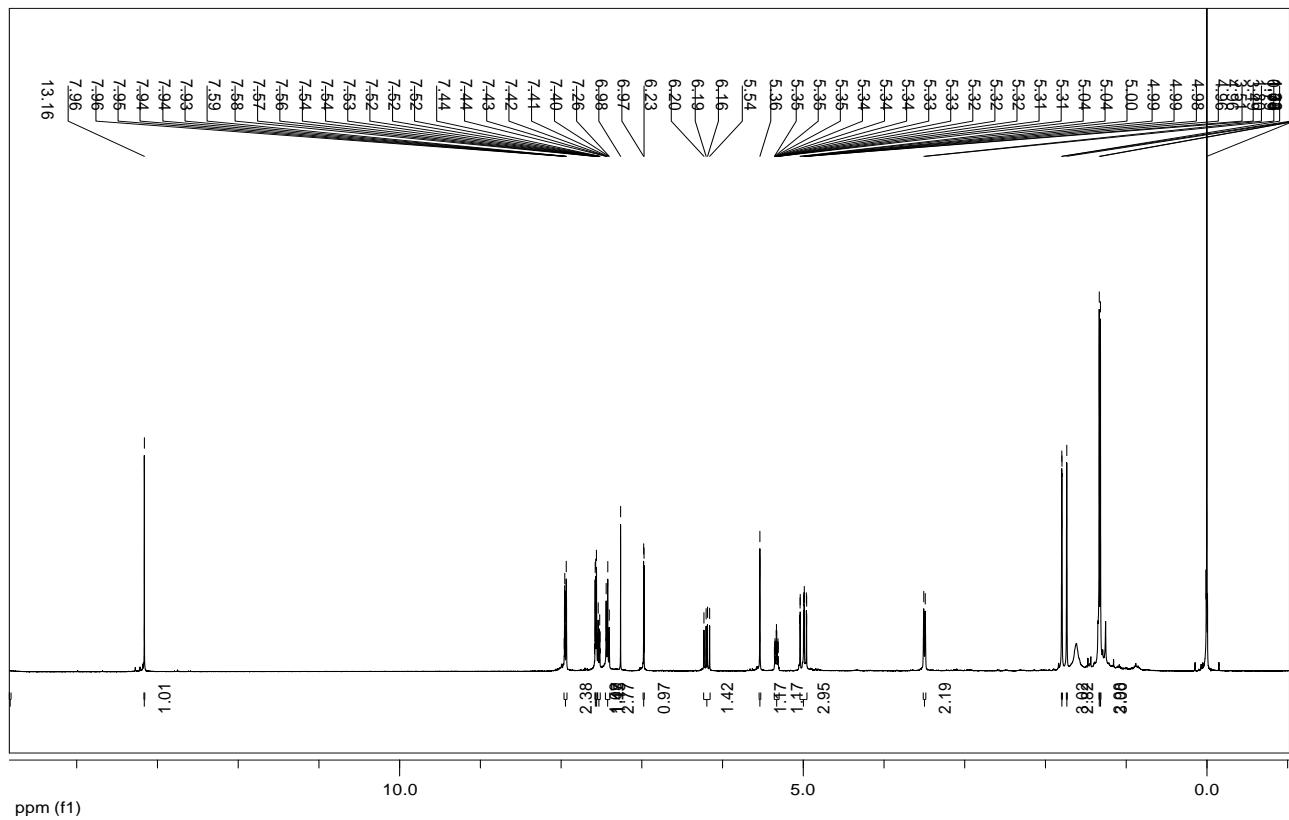


Figure S7. ^1H NMR spectrum compound **2** (400.1 MHz, CDCl_3).

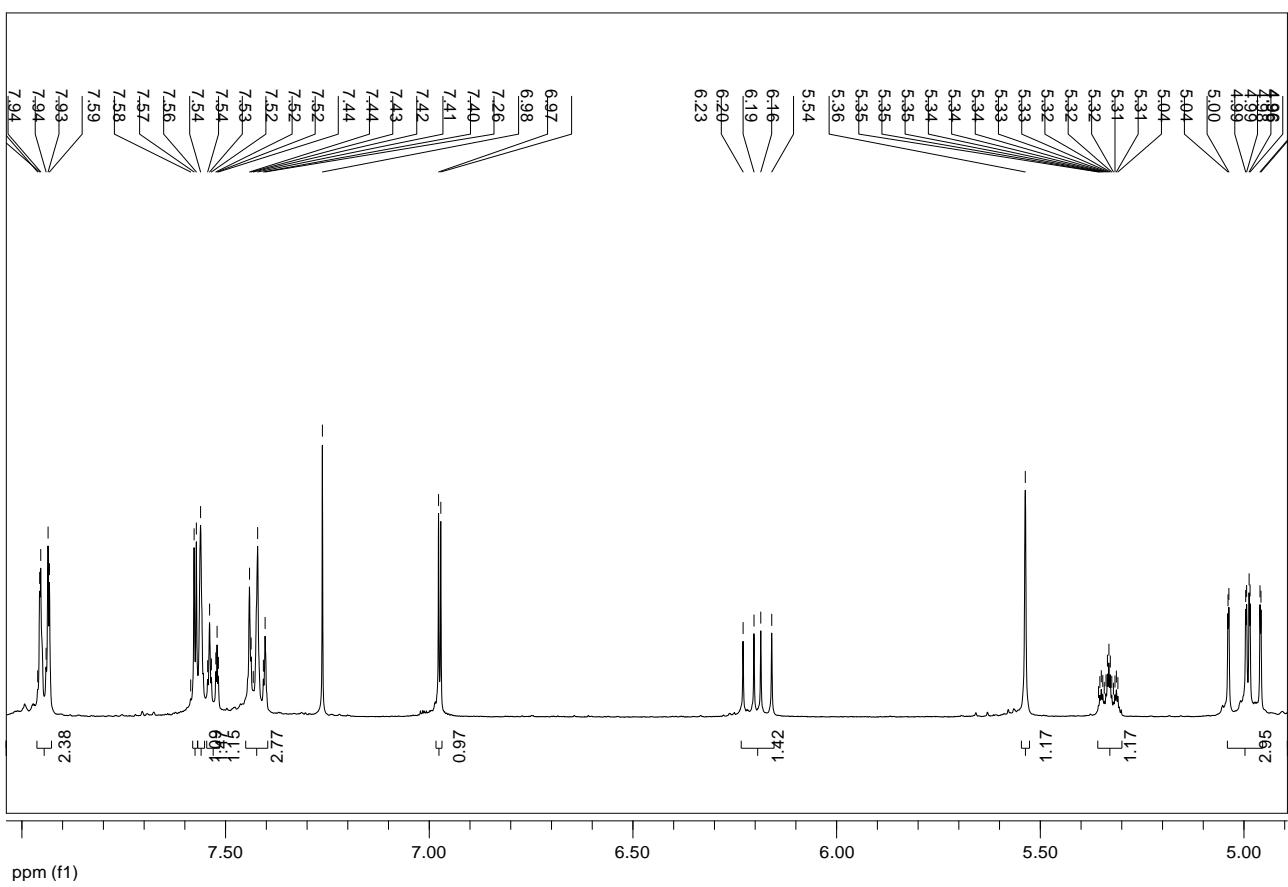


Figure S8. ^1H NMR spectrum of compound **2** (400.1 MHz, CDCl_3), expansion from δ 4.96 to 7.96 ppm.

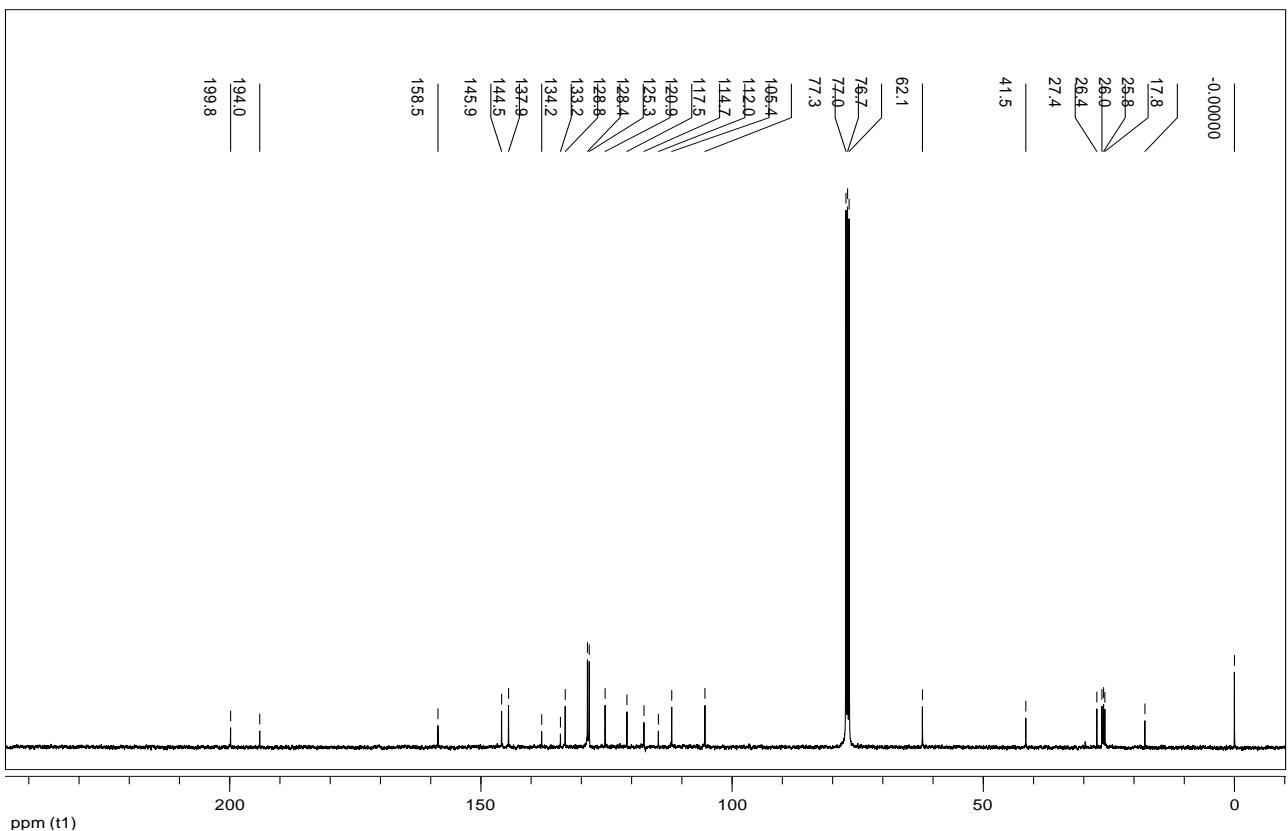


Figure S9. ^{13}C NMR spectrum of compound **2** (100.6 MHz, CDCl_3).

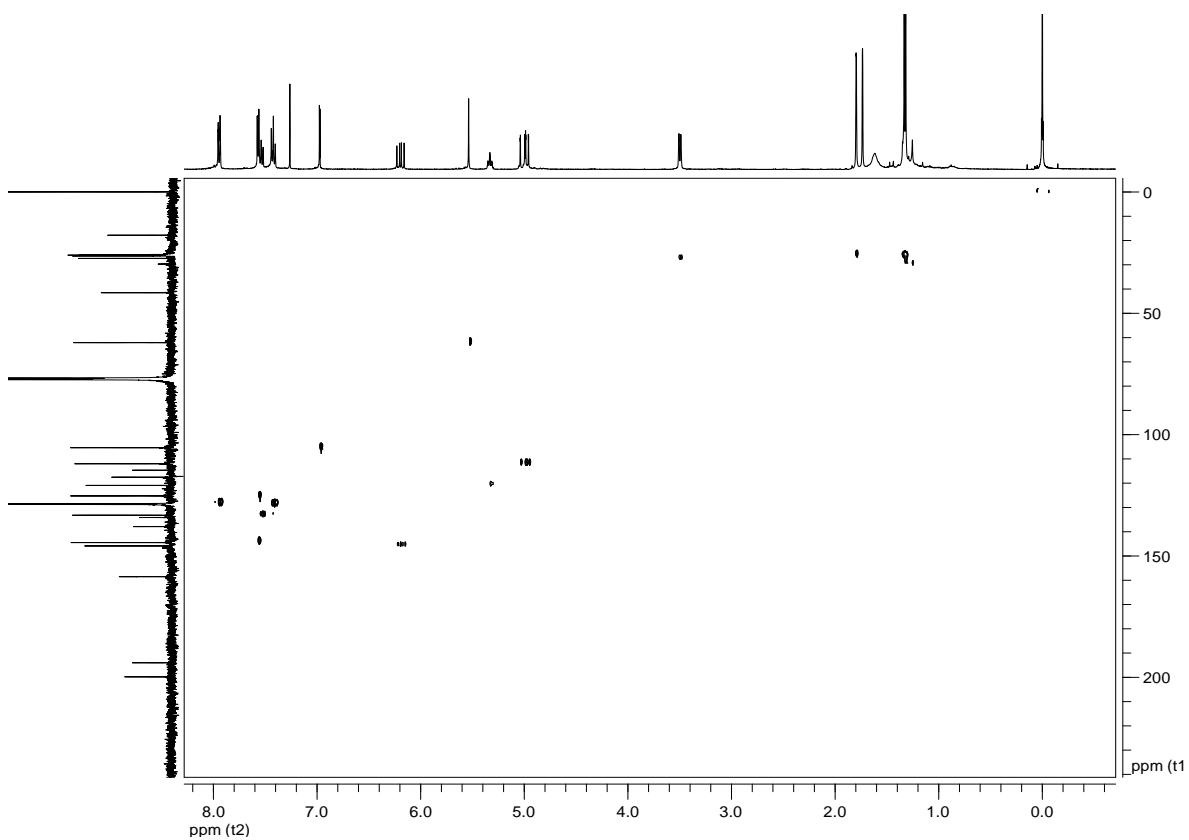


Figure S10. ¹H-¹³C one-bond correlation map from HSQC NMR experiment of compound **2** in CDCl₃ at 400.1 and 100.6 MHz, respectively.

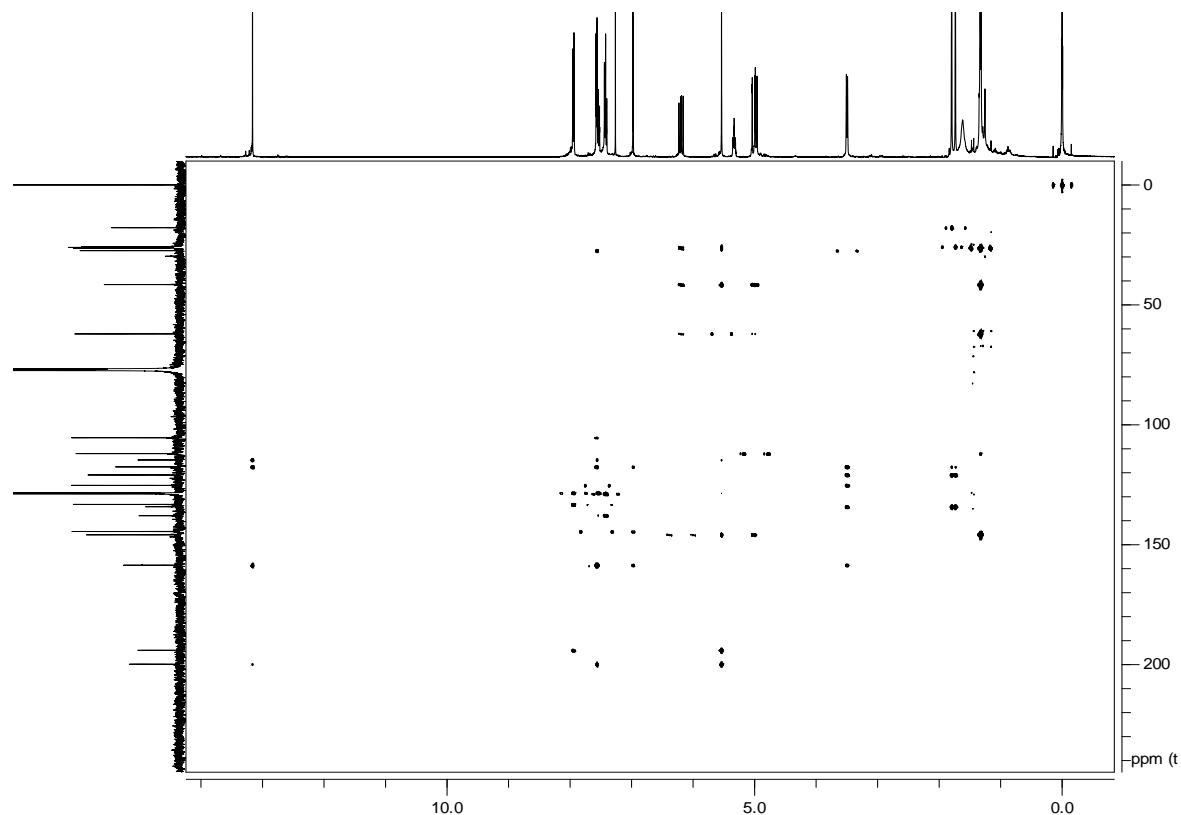


Figure S11. ¹H-¹³C long-range correlation map from HMBC NMR experiment of compound **2** in CDCl₃ at 400.1 and 100.6 MHz, respectively.

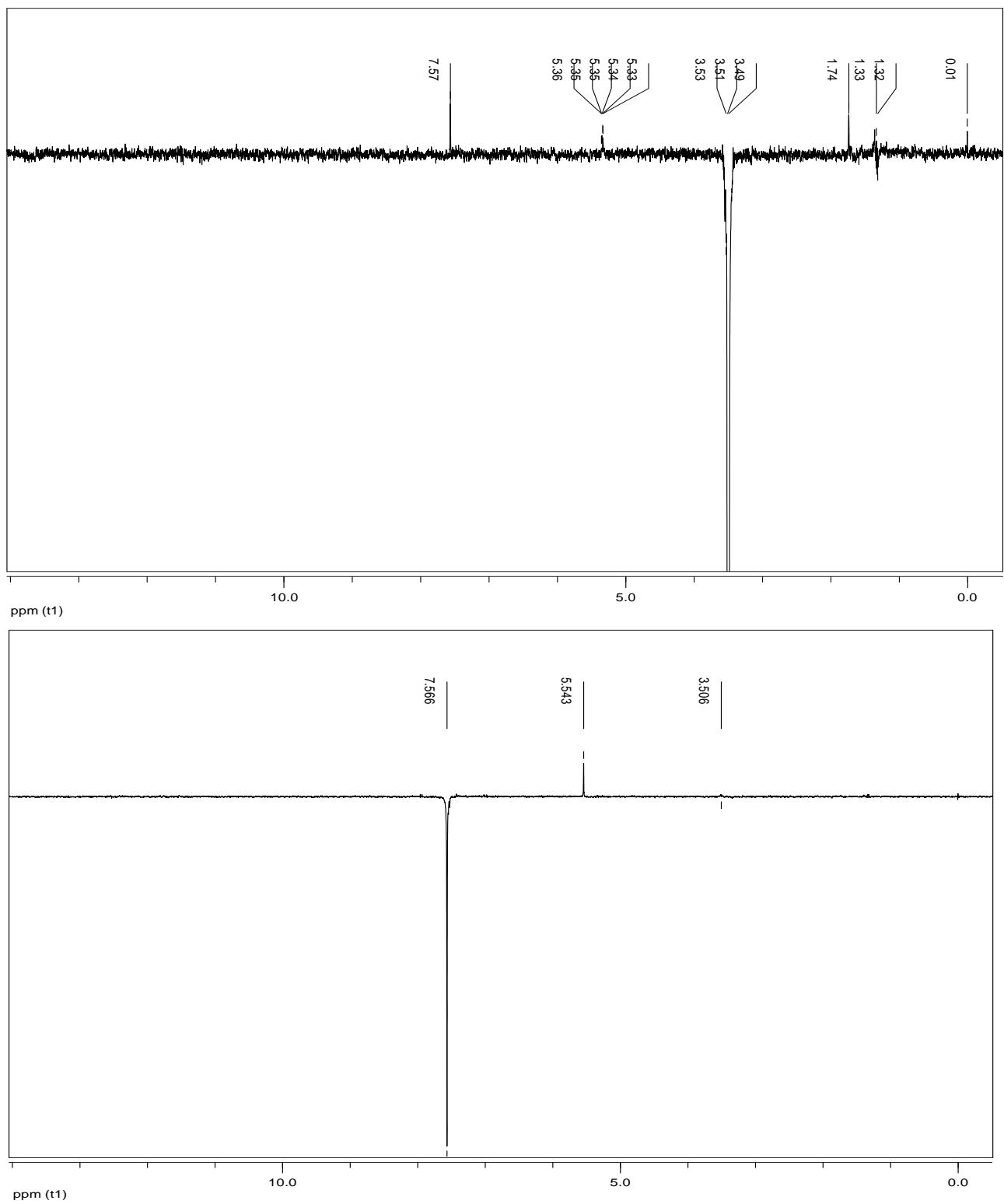


Figure S12. 1D NOE experiments of compound 2 (400.1 MHz, CDCl_3).

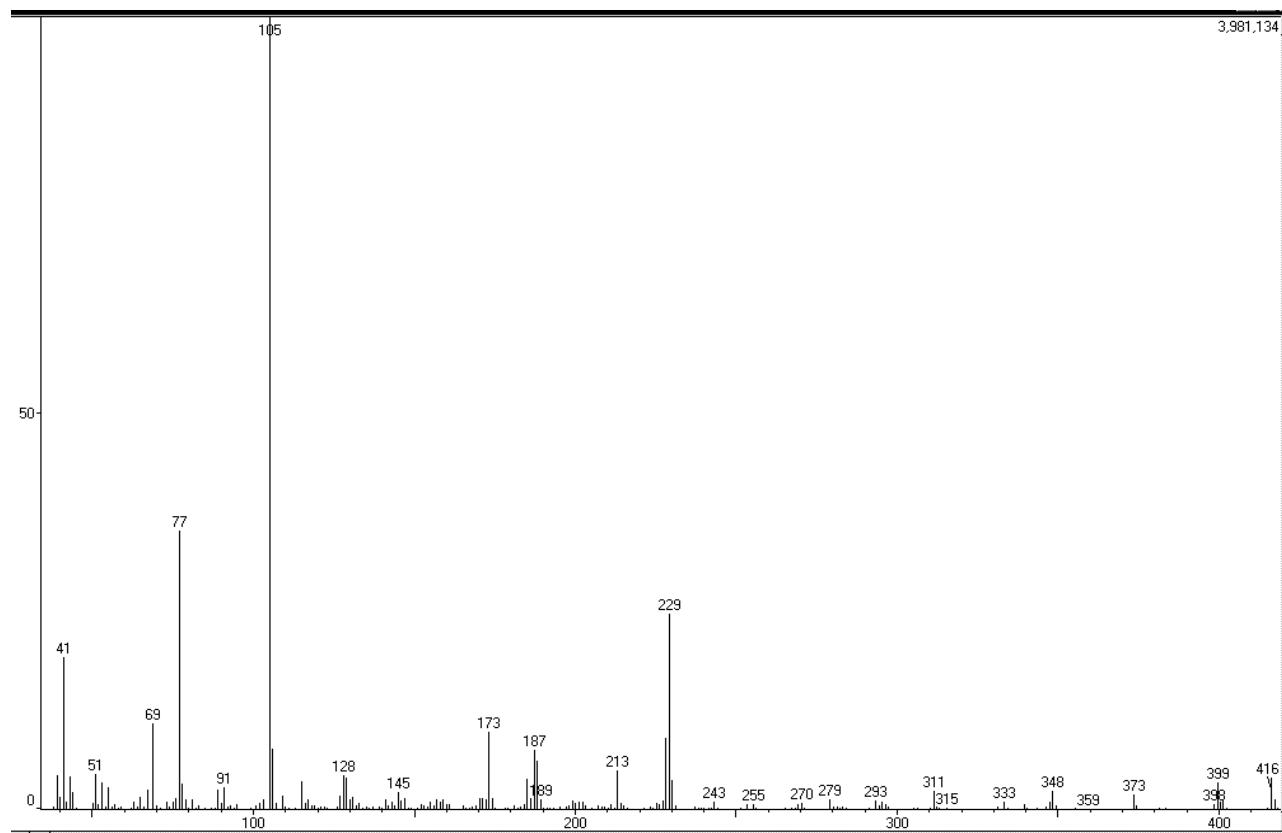


Figure S13. EIMS spectrum of compound **2** (m/z 416.0 [$M + H$] $^+$).

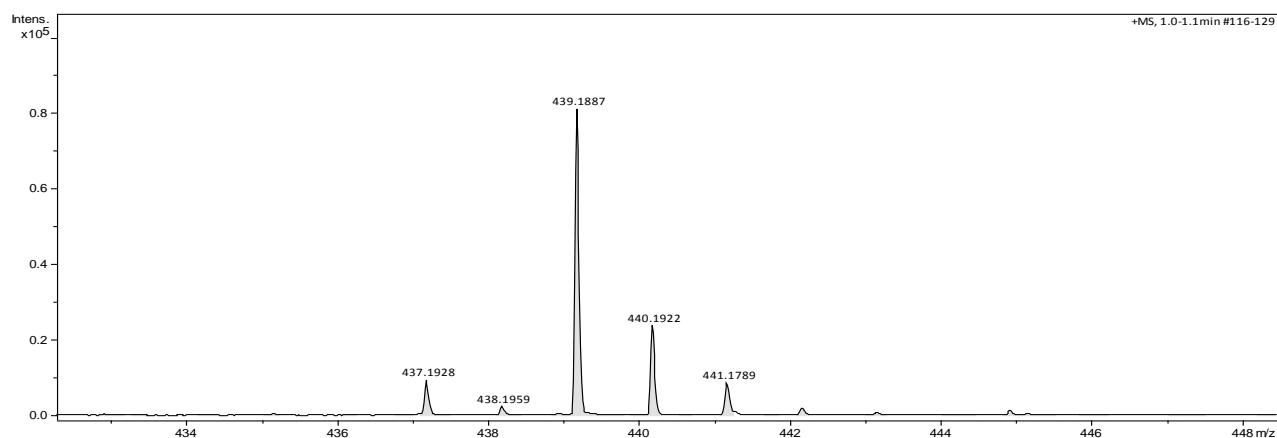


Figure S14. HRMS (pESI) spectrum of compound **2**.

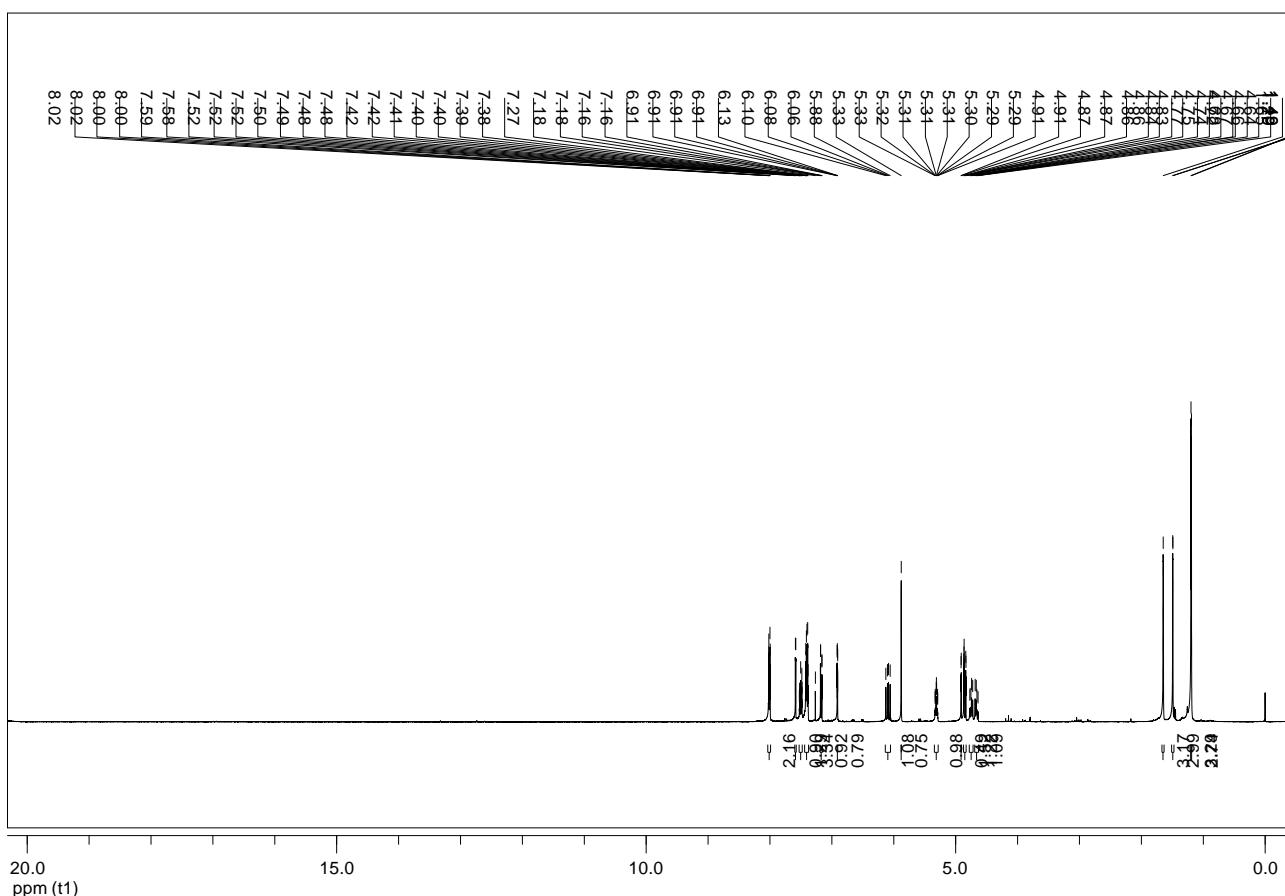


Figure S15. ^1H NMR spectrum of compound **3** (400.1 MHz, CDCl_3).

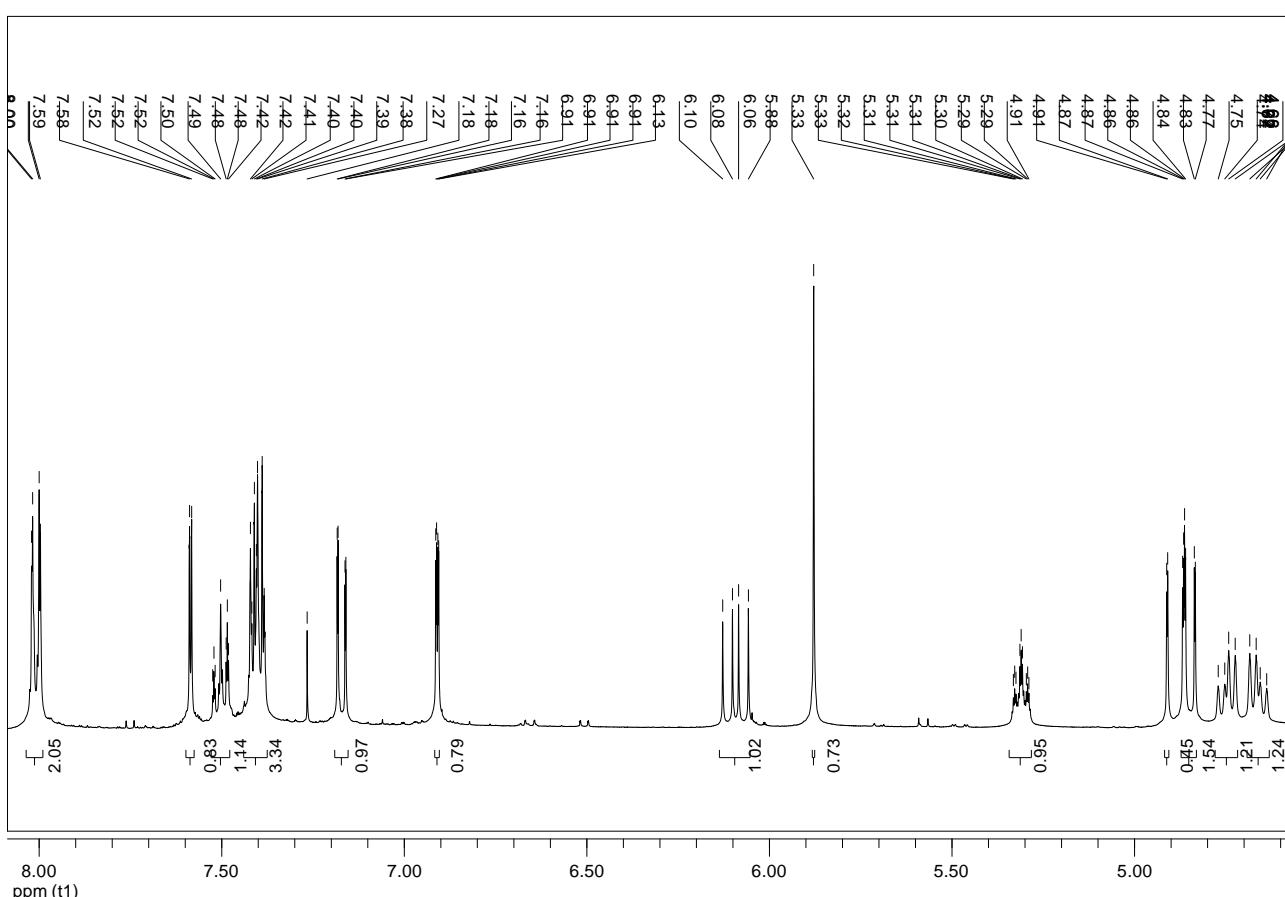


Figure S16. ^1H NMR spectrum of compound **3** (400.1 MHz, CDCl_3), expansion from δ 4.74 to 8.00 ppm.

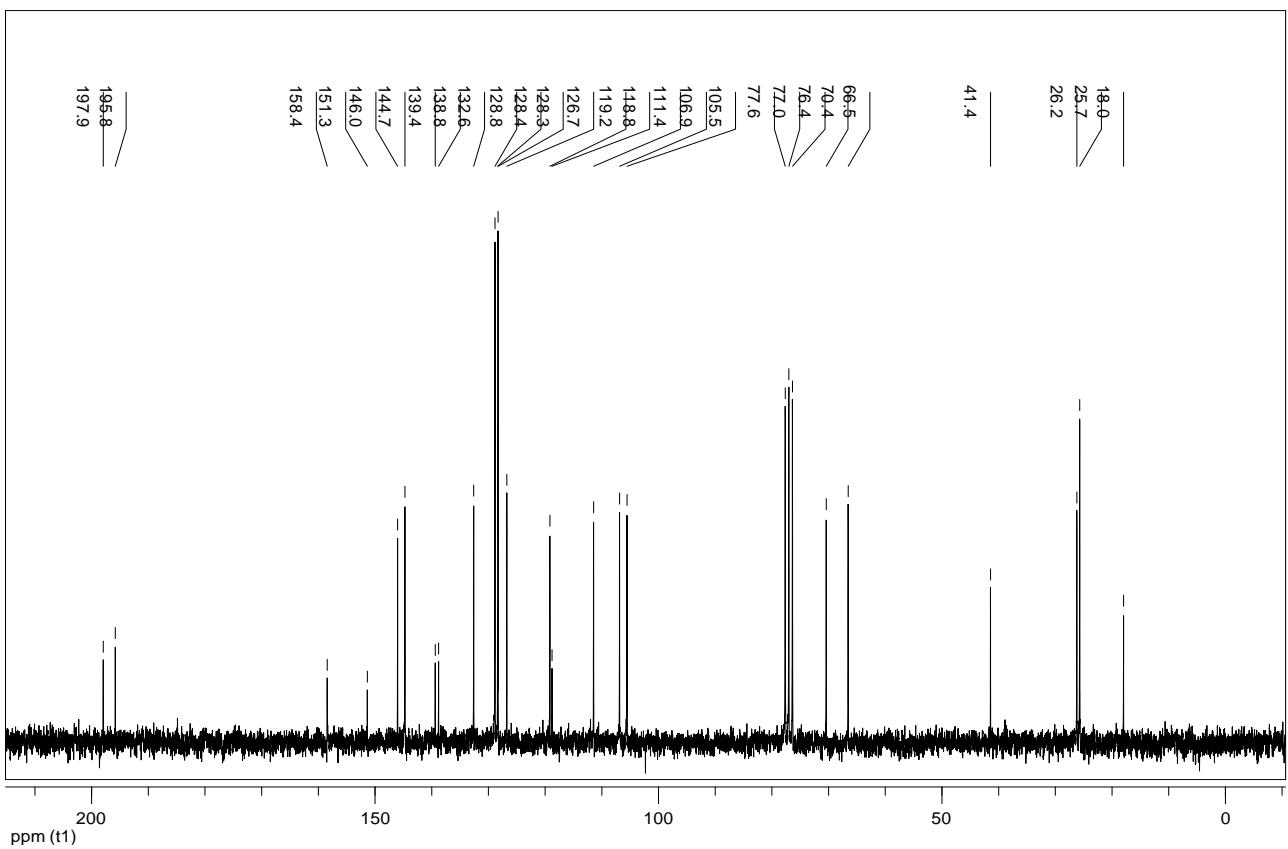


Figure S17. ^{13}C NMR spectrum of compound 3 (100.6 MHz, CDCl_3).

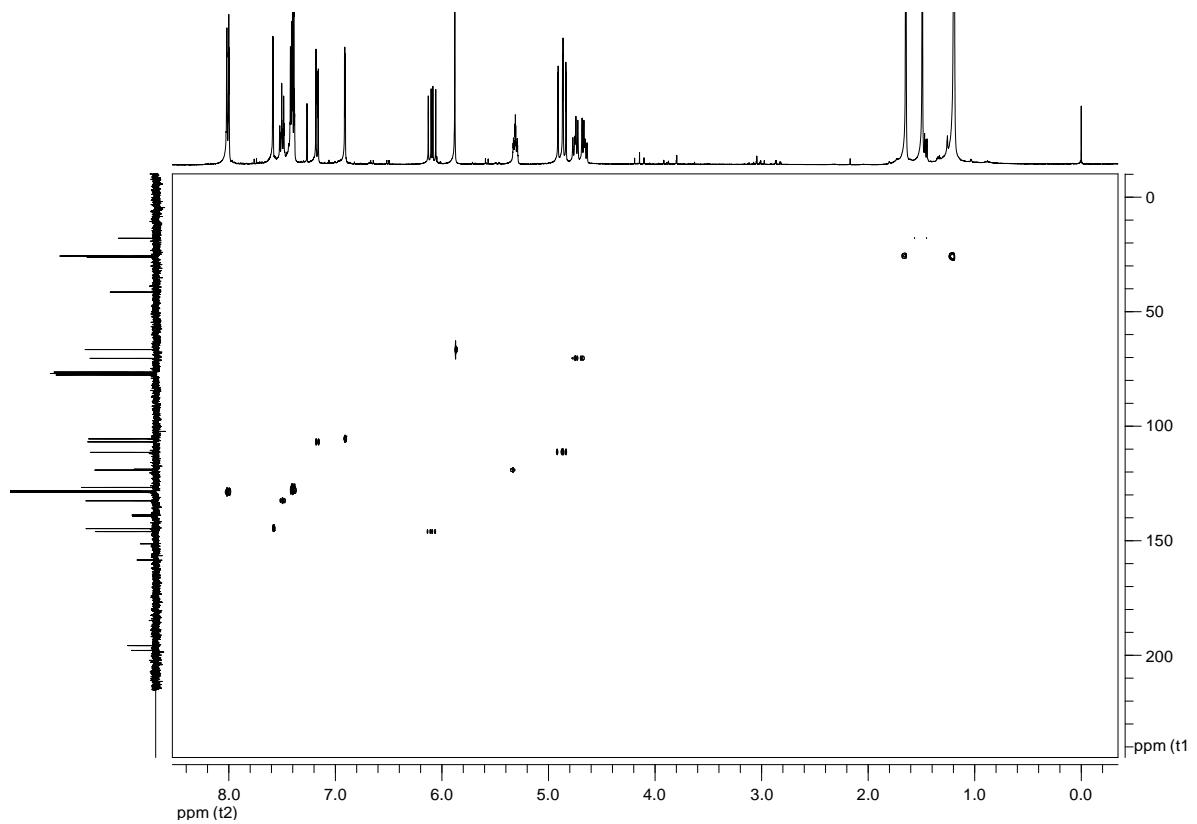


Figure S18. ^1H - ^{13}C one-bond correlation map from HSQC NMR experiment of compound 3 in CDCl_3 at 400.1 and 100.6 MHz, respectively.

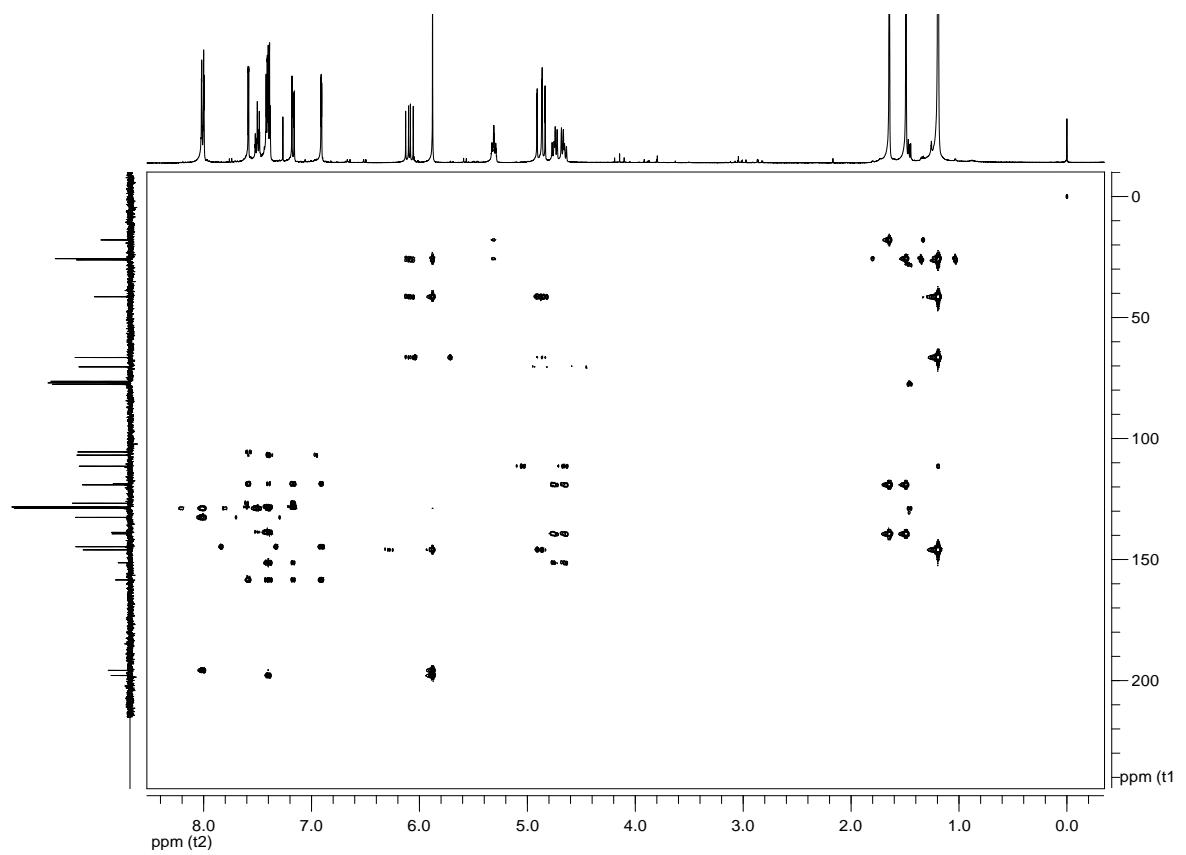


Figure S19. ¹H-¹³C long-range correlation map from HMBC NMR experiment of compound **3** in CDCl₃ at 400.1 and 100.6 MHz, respectively.

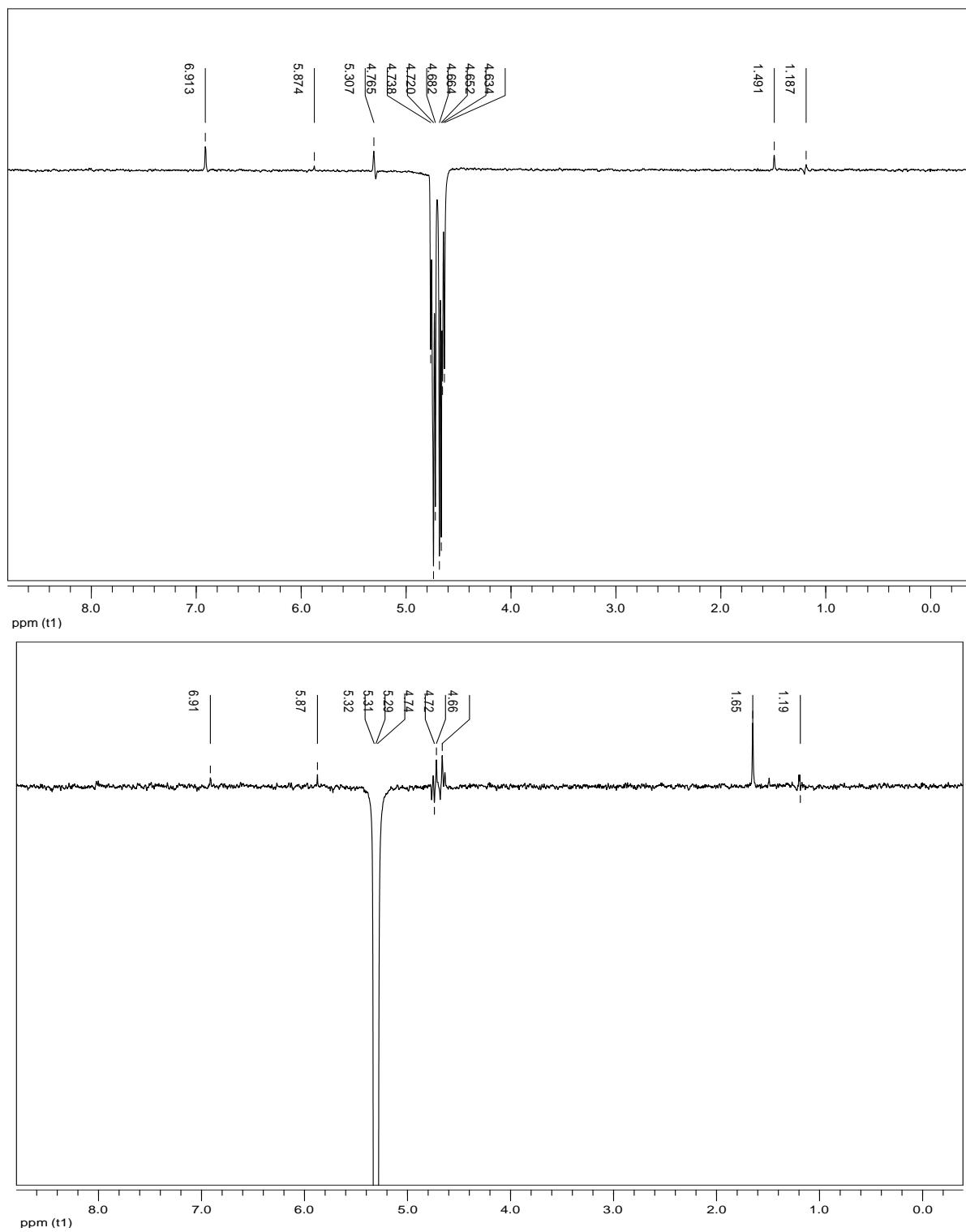


Figure S20. 1D NOE experiments of compound 3 (400.1 MHz, CDCl_3).

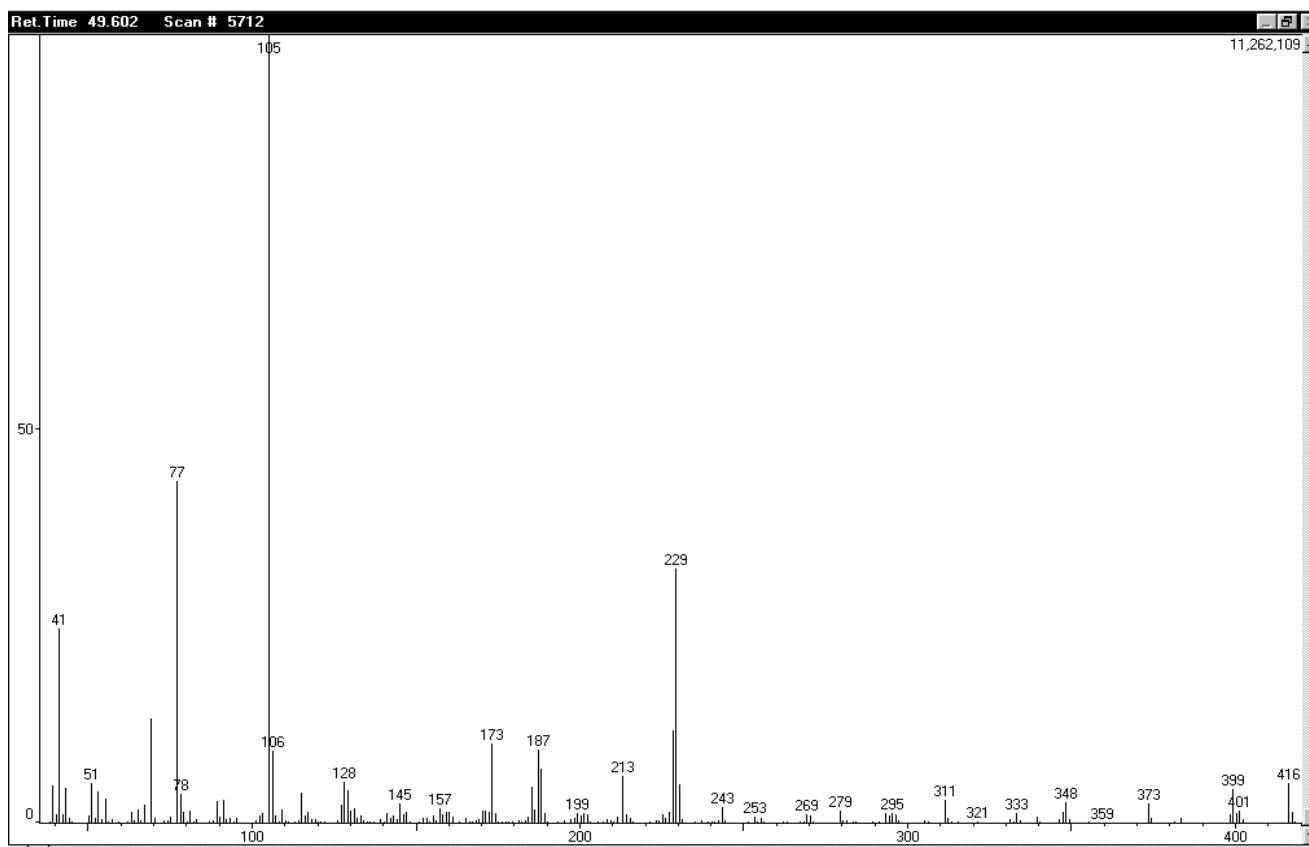


Figure S21. EIMS spectrum of compound 3 (m/z 416.0 [$M + H$]⁺)

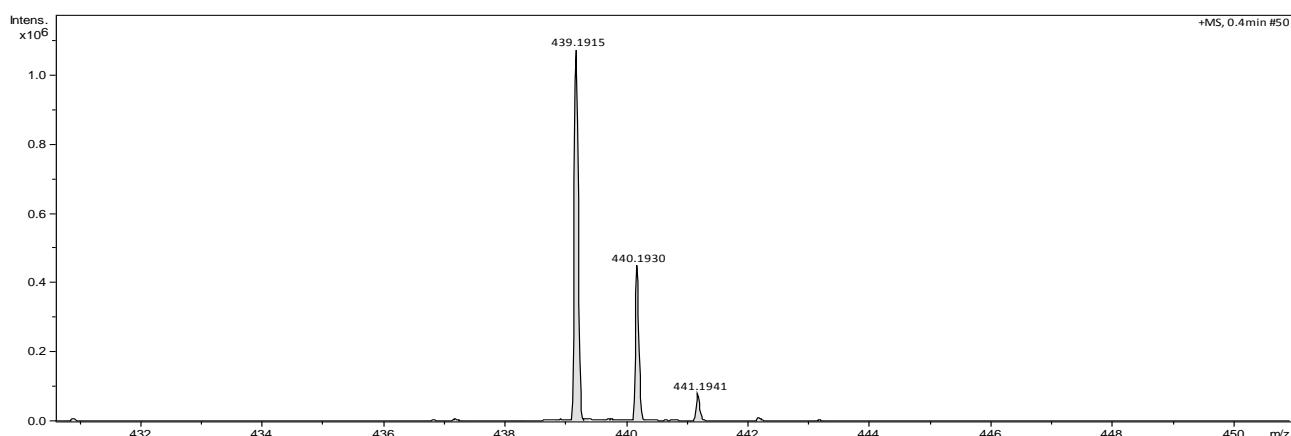


Figure S22. HRMS (pESI) spectrum of compound 3