

Supplementary Materials

Estrogenic Activity of Mycoestrogen (3 β ,5 α ,22 E)-Ergost-22-en-3-ol via Estrogen Receptor α -Dependent Signaling Pathways in MCF-7 cells

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Figure S1. The ^1H NMR spectrum of **1** (CDCl_3 , 700 MHz)

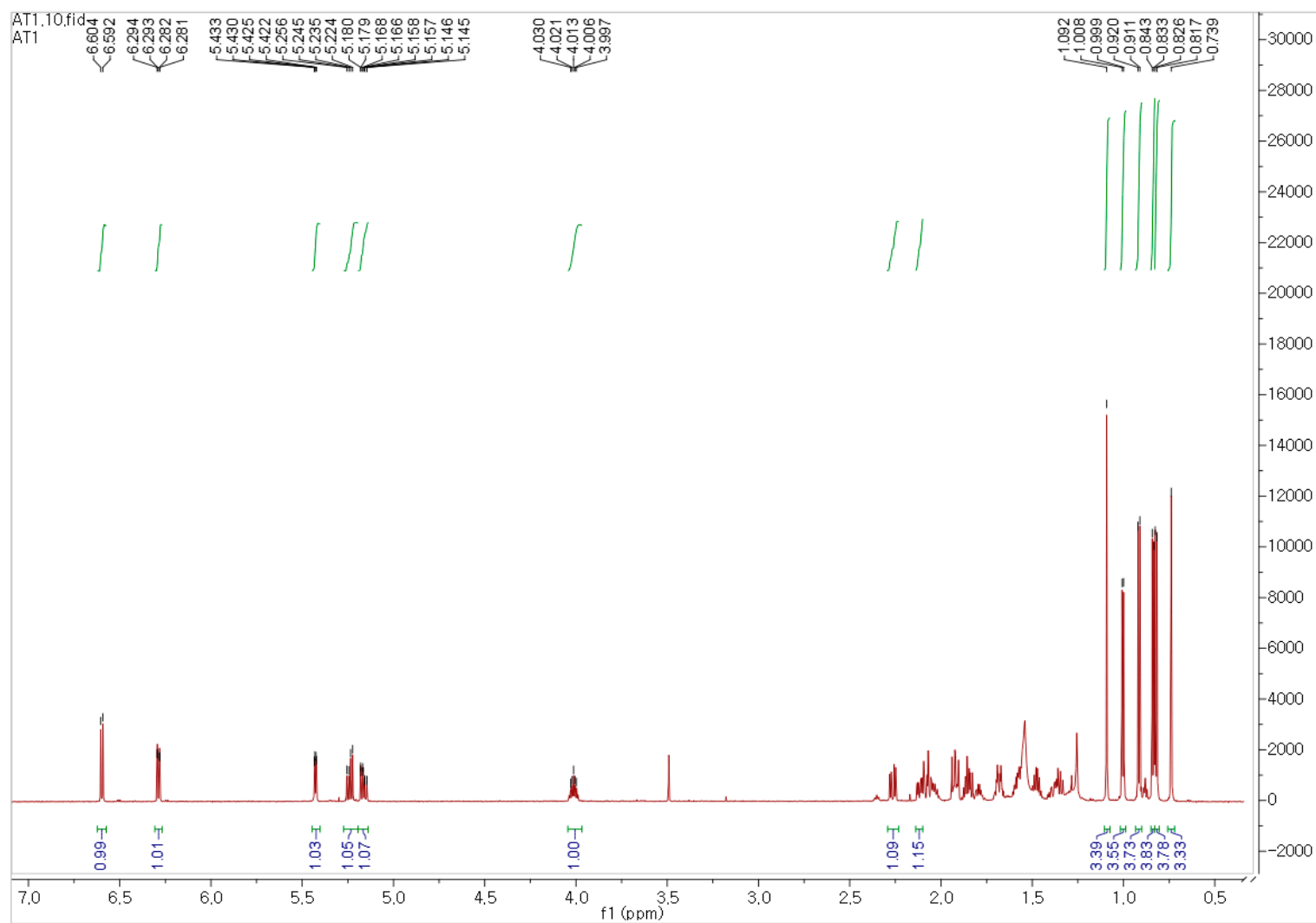


Figure S2. The ^1H NMR spectrum of **2** (CDCl_3 , 700 MHz)

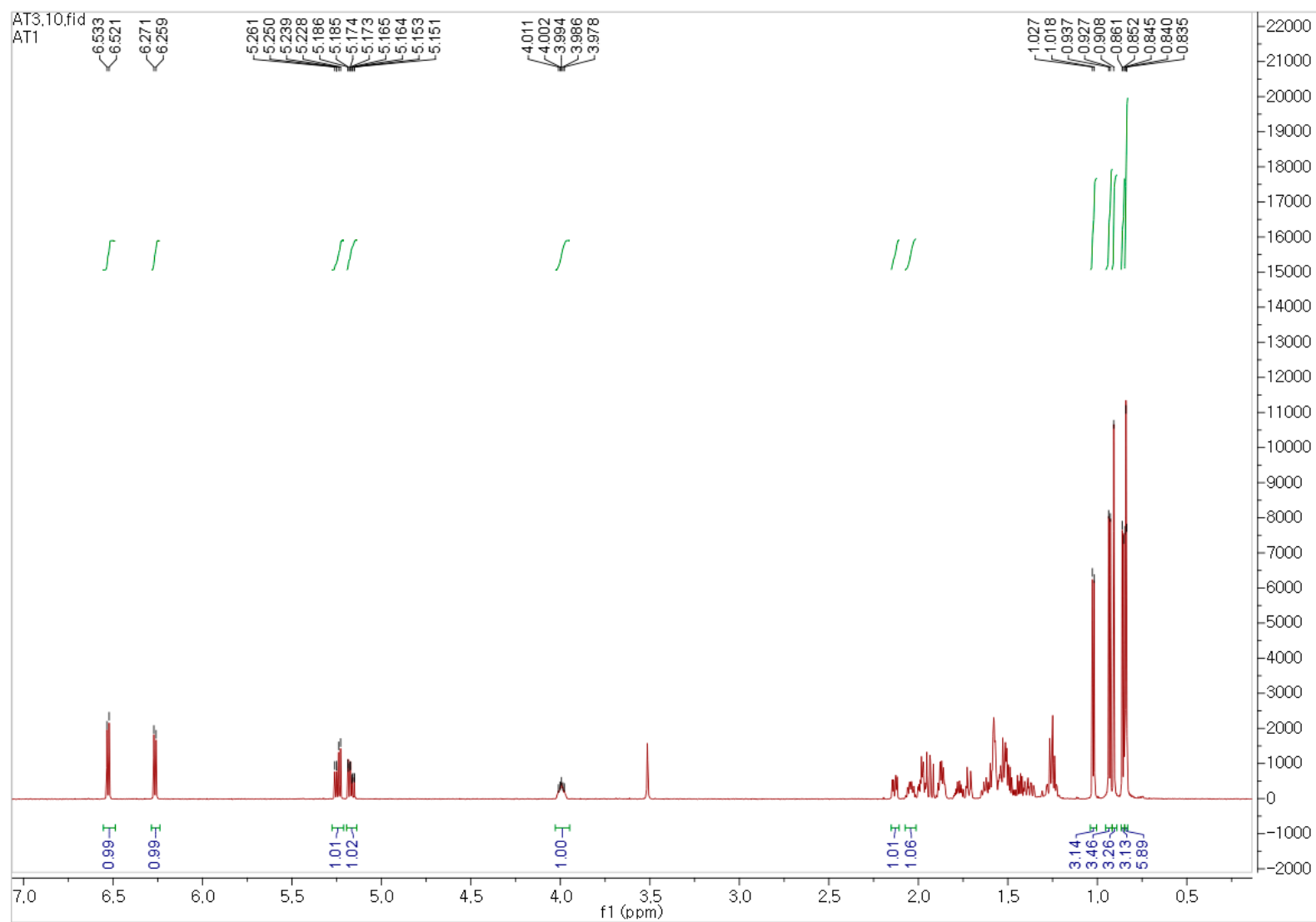


Figure S3. The ^1H NMR spectrum of **3** (CDCl_3 , 700 MHz)

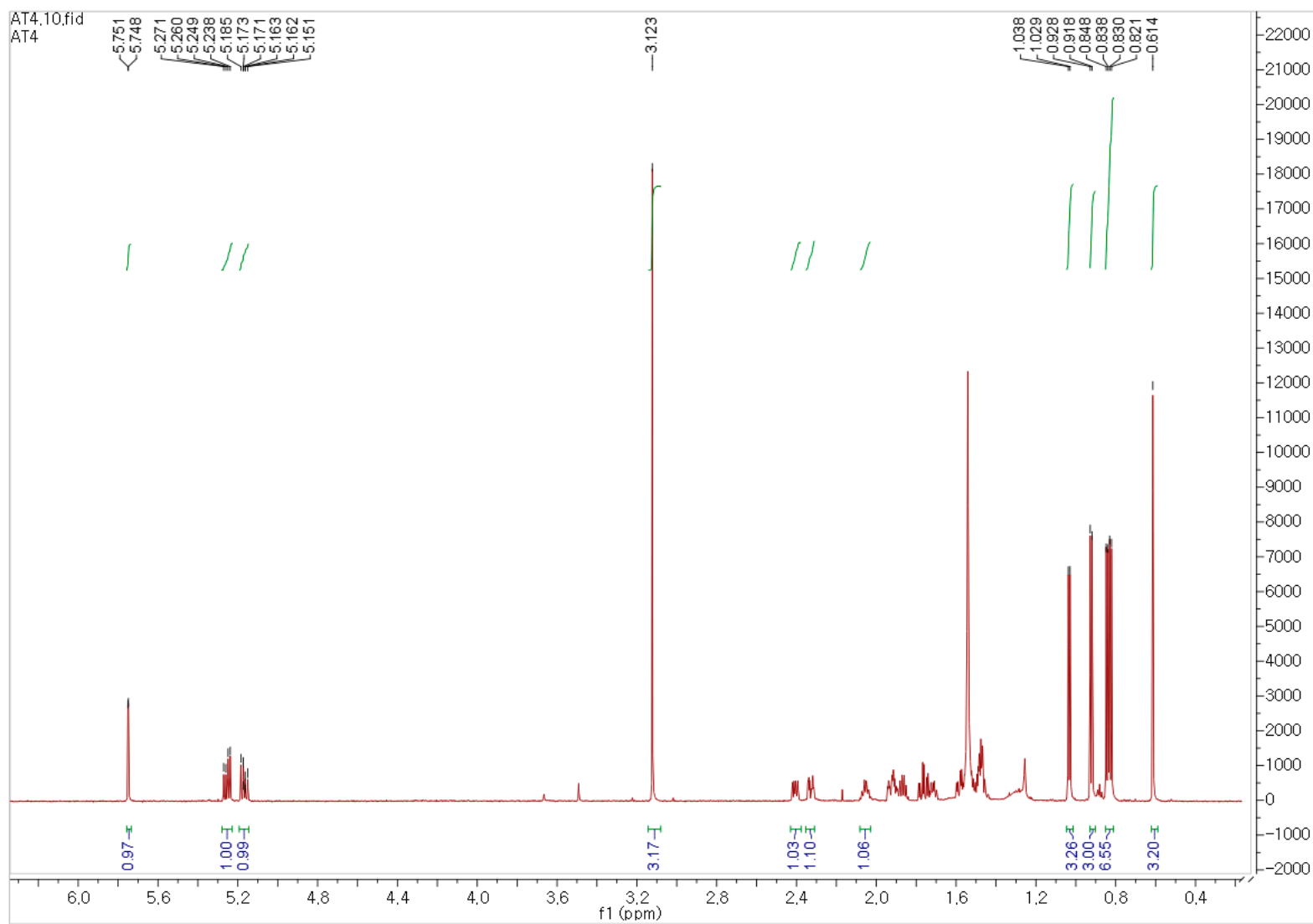


Figure S4. The ^{13}C NMR spectrum of **3** (CDCl_3 , 175 MHz)

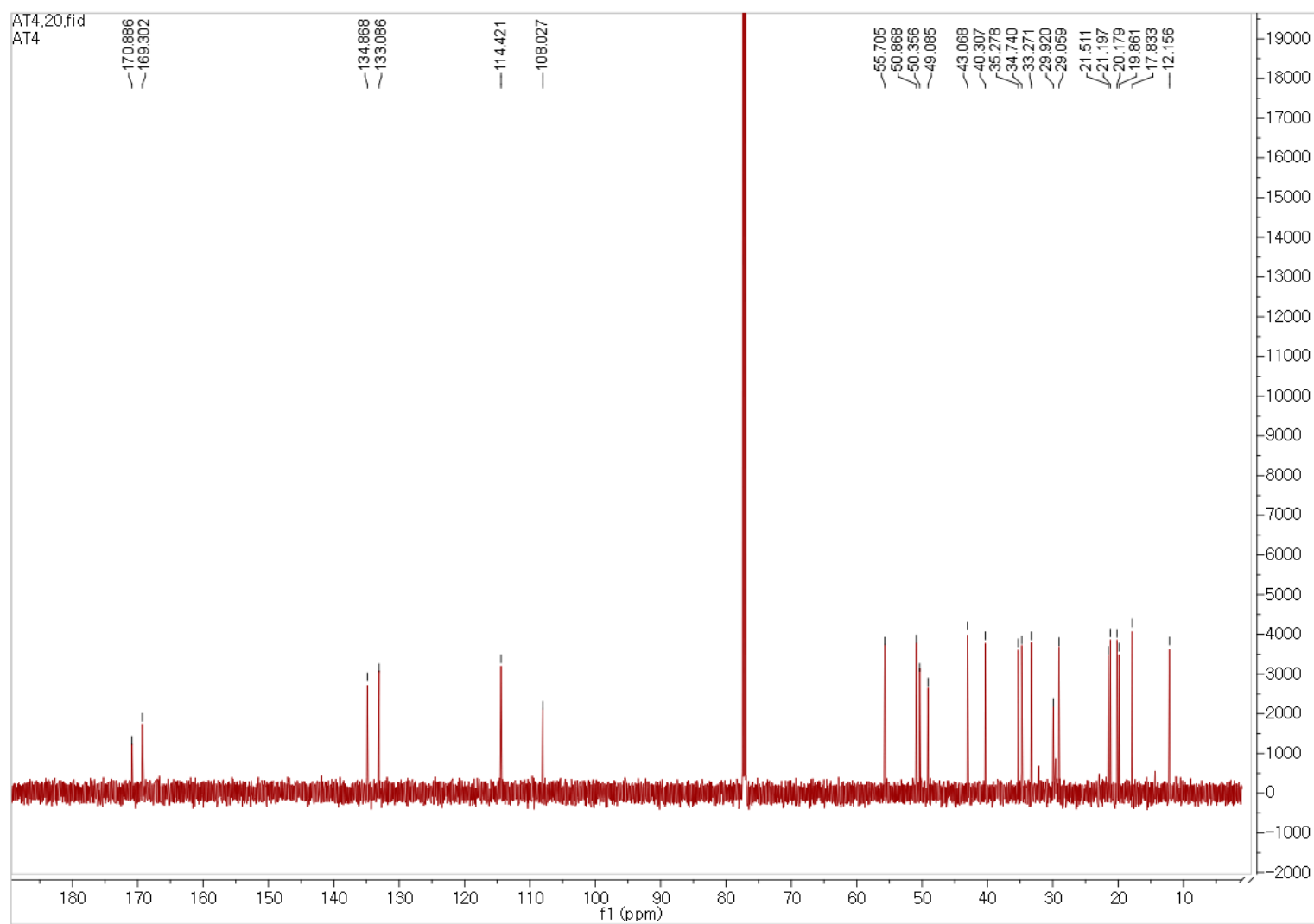


Figure S5. The ^1H NMR spectrum of **4** (CD_3OD , 700 MHz)

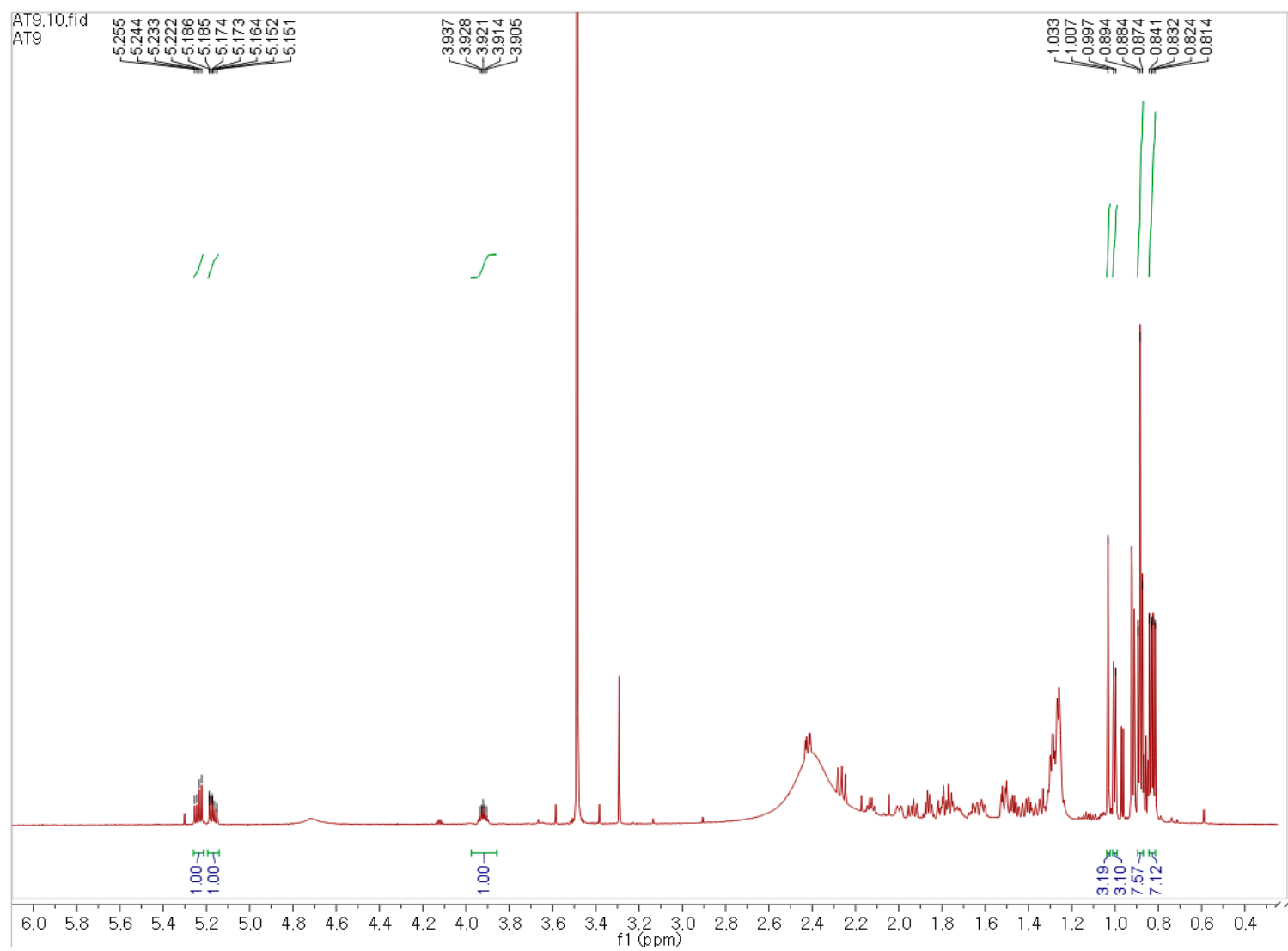


Figure S6. The ^1H NMR spectrum of **5** (CDCl_3 , 700 MHz)

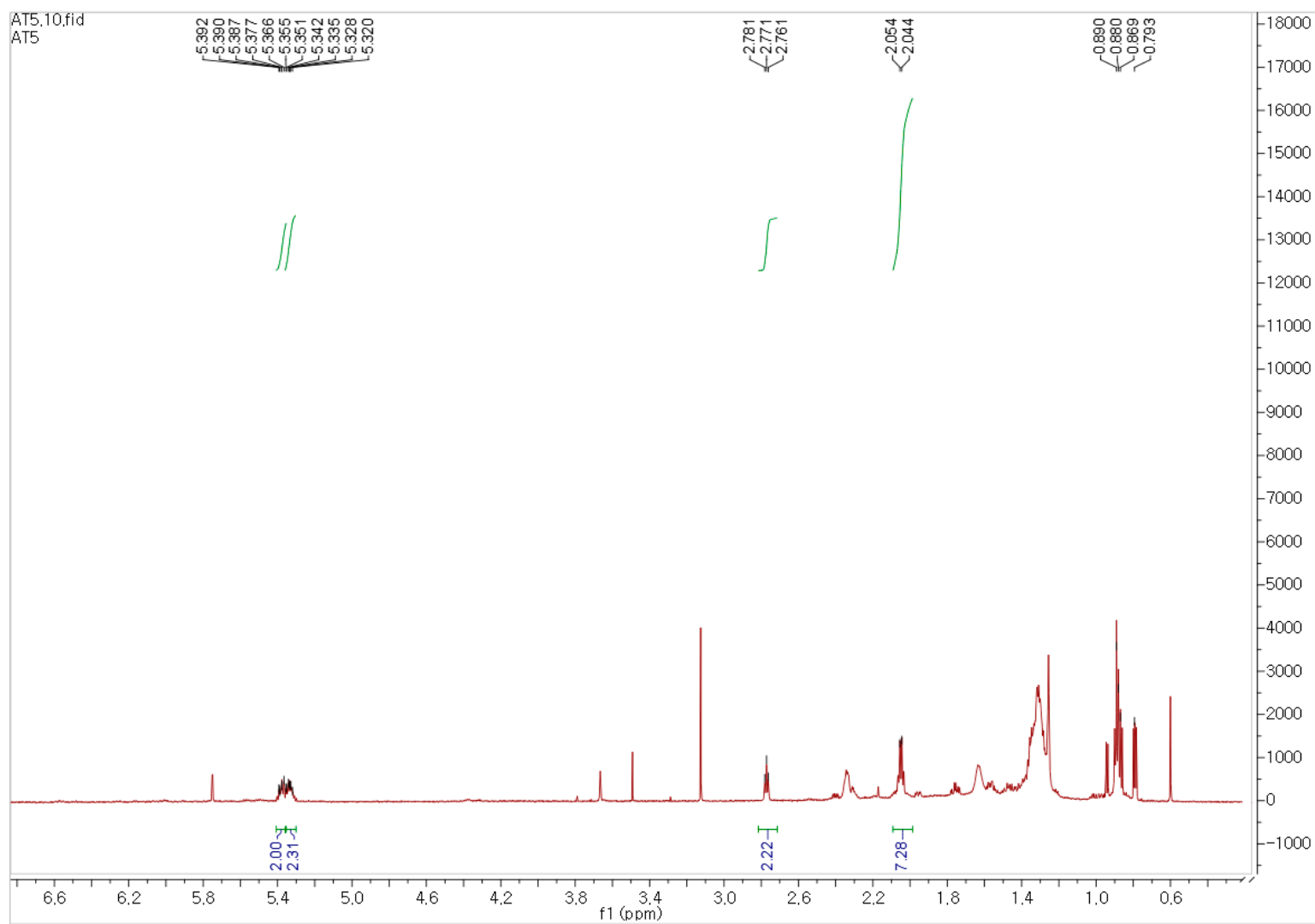


Figure S7. The ^1H NMR spectrum of **6** (CDCl_3 , 700 MHz)

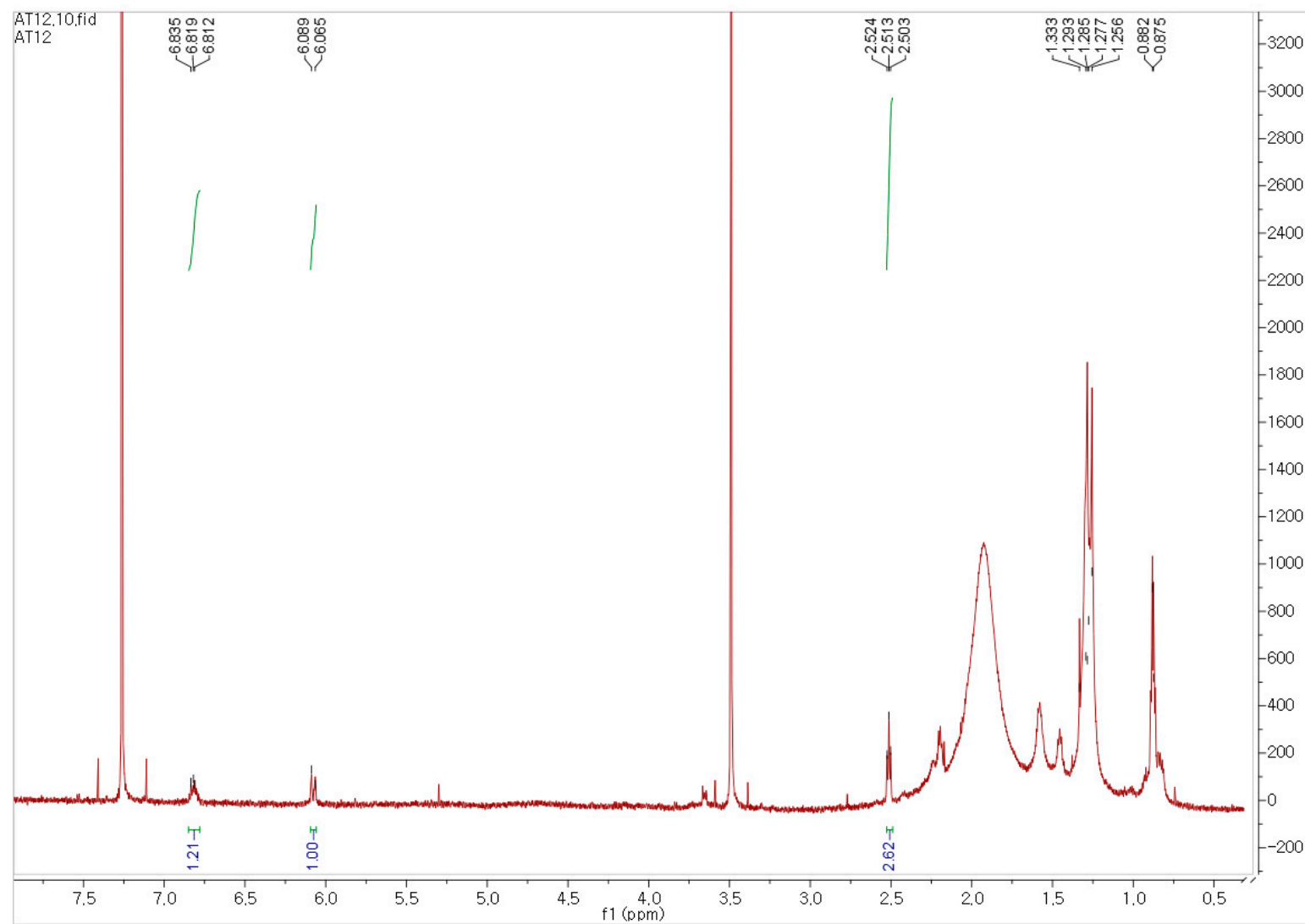


Figure S8. The ^1H NMR spectrum of **7** (CDCl_3 , 700 MHz)

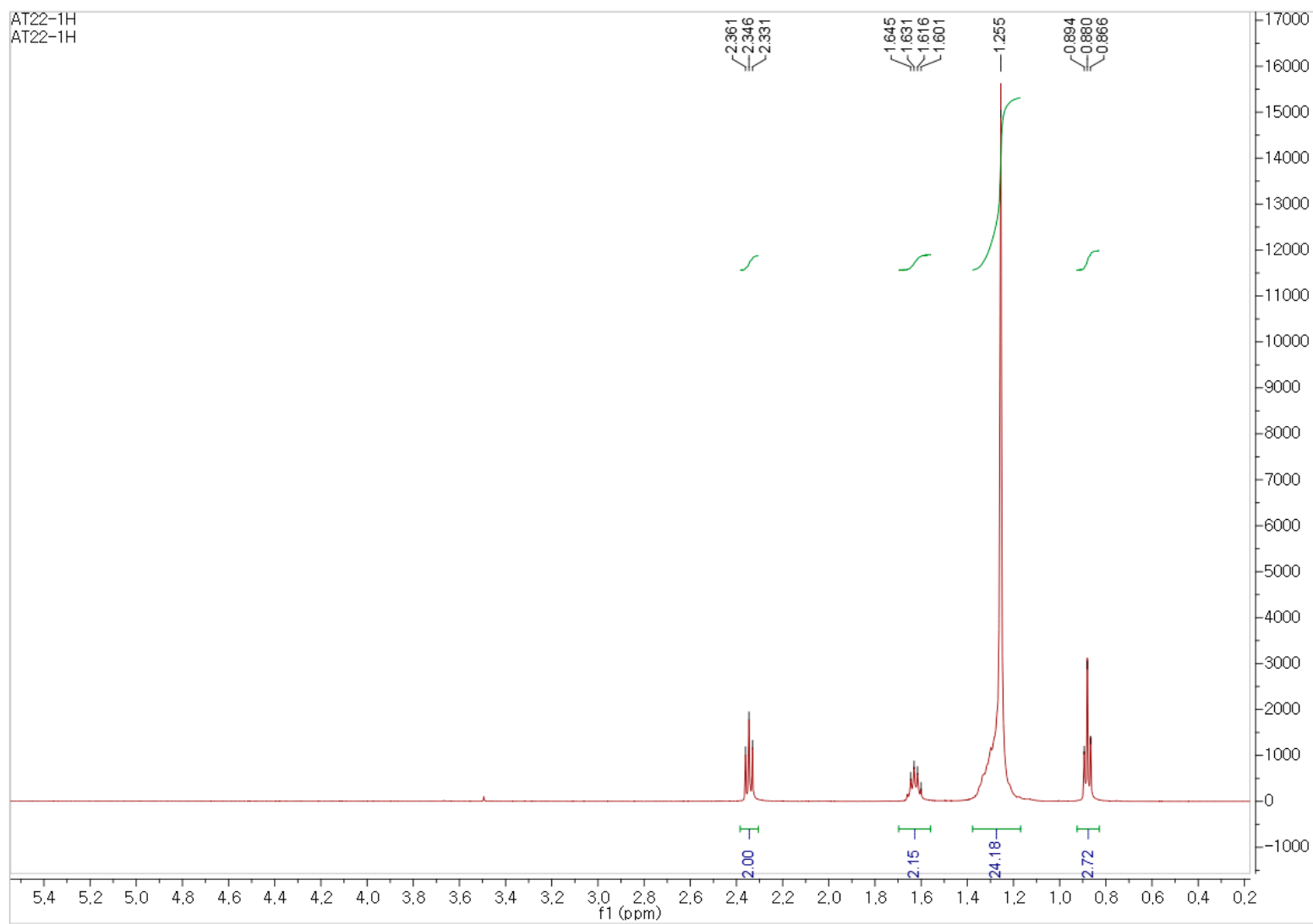


Figure S9. The ^1H NMR spectrum of **8** (CDCl_3 , 700 MHz)

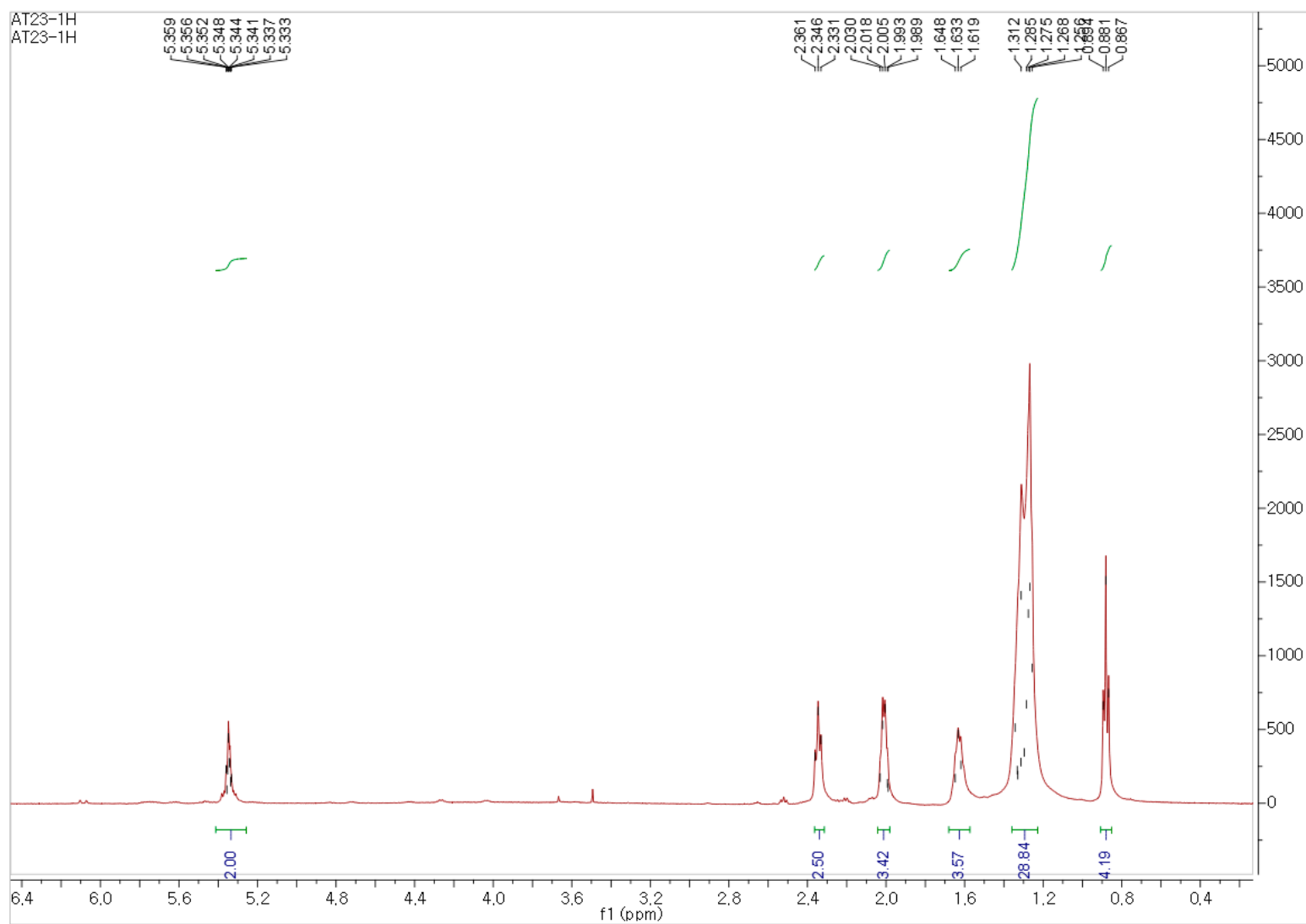
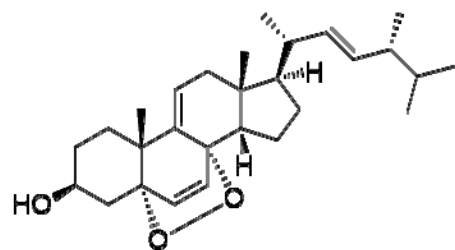
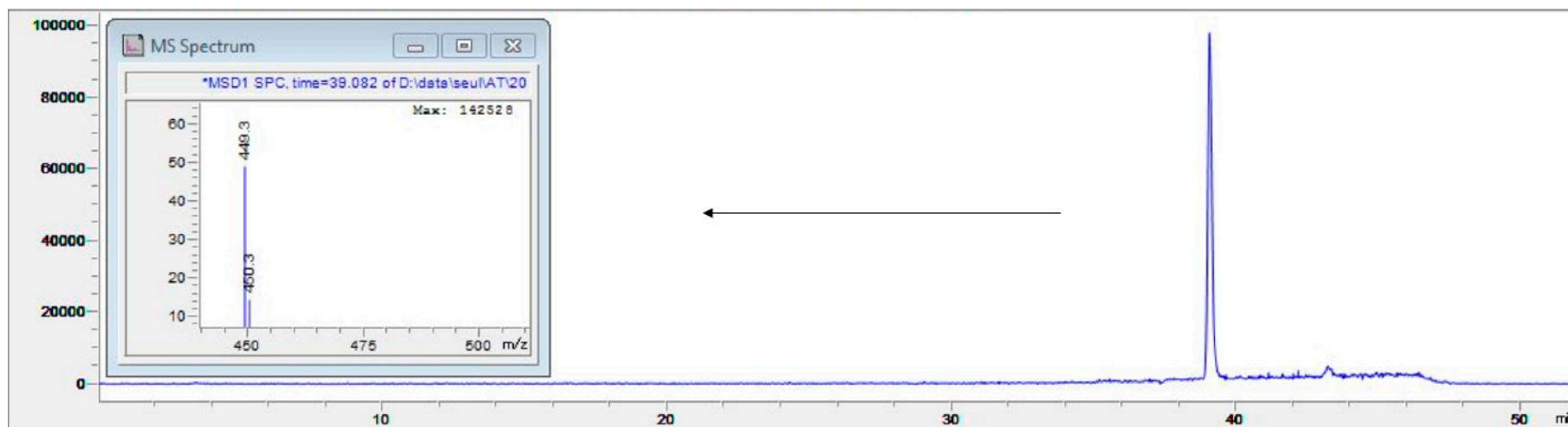
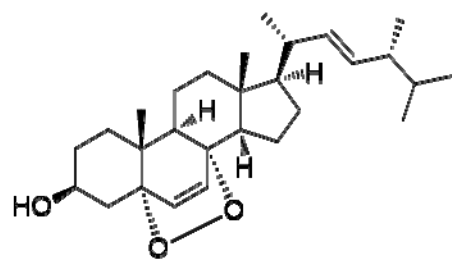
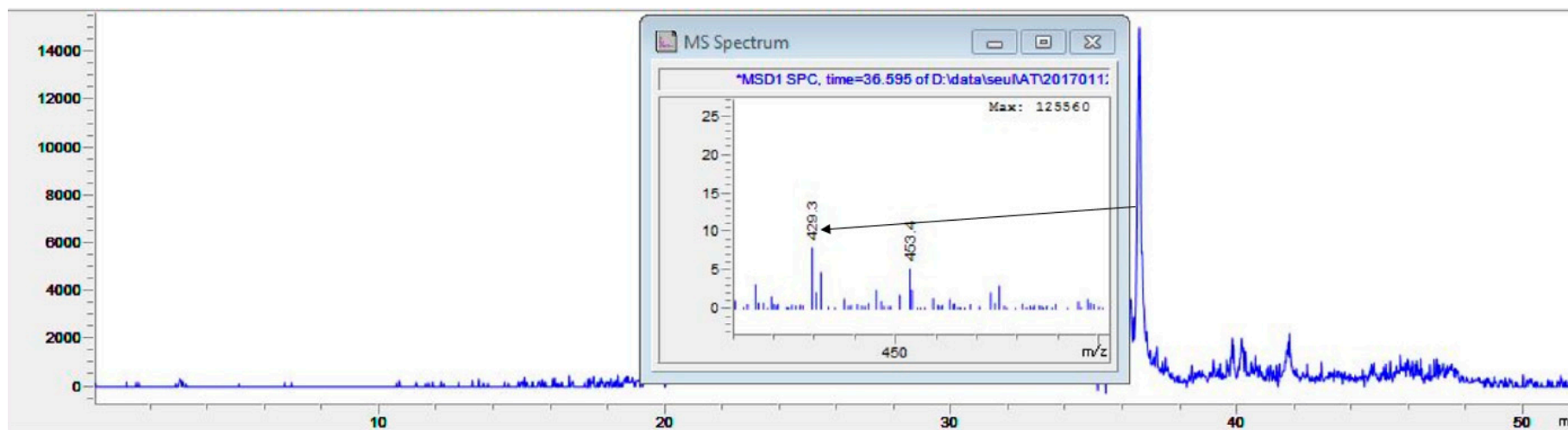


Figure S10. Total ion chromatogram (TIC) of compound **1** in the LC/MS analysis.



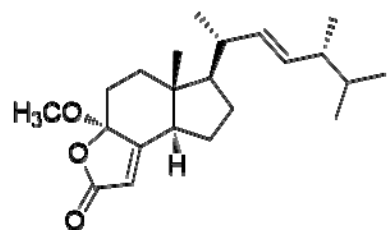
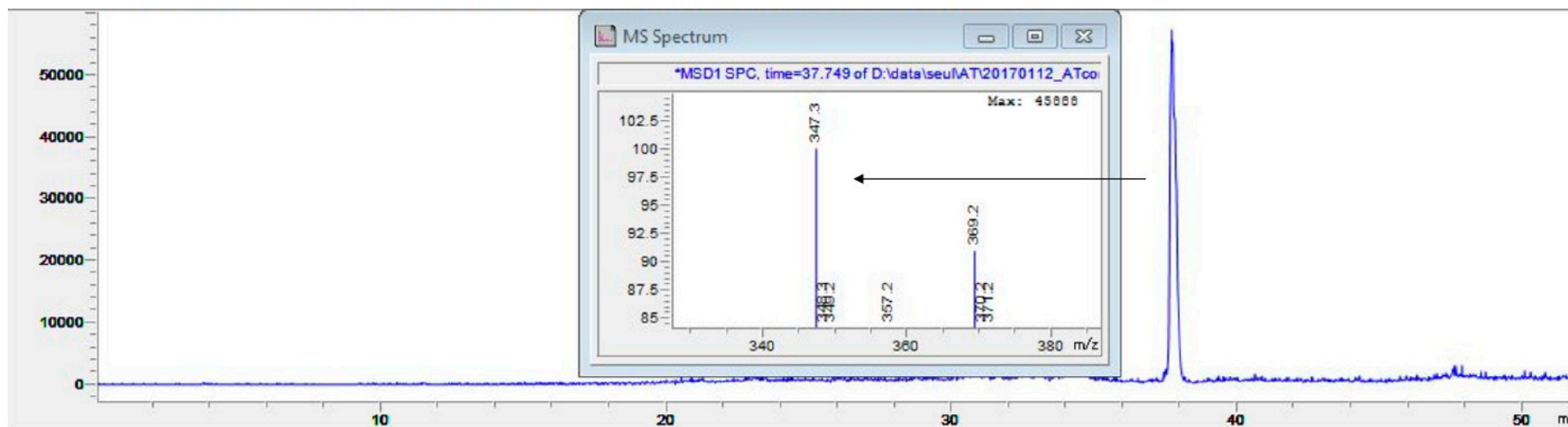
449.3 [M+Na]⁺

Figure S11. TIC of compound **2** in the LC/MS analysis.



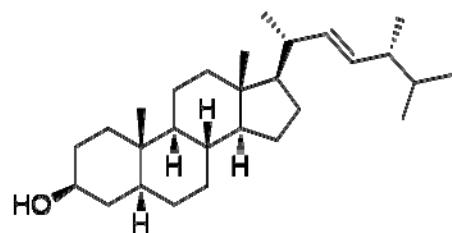
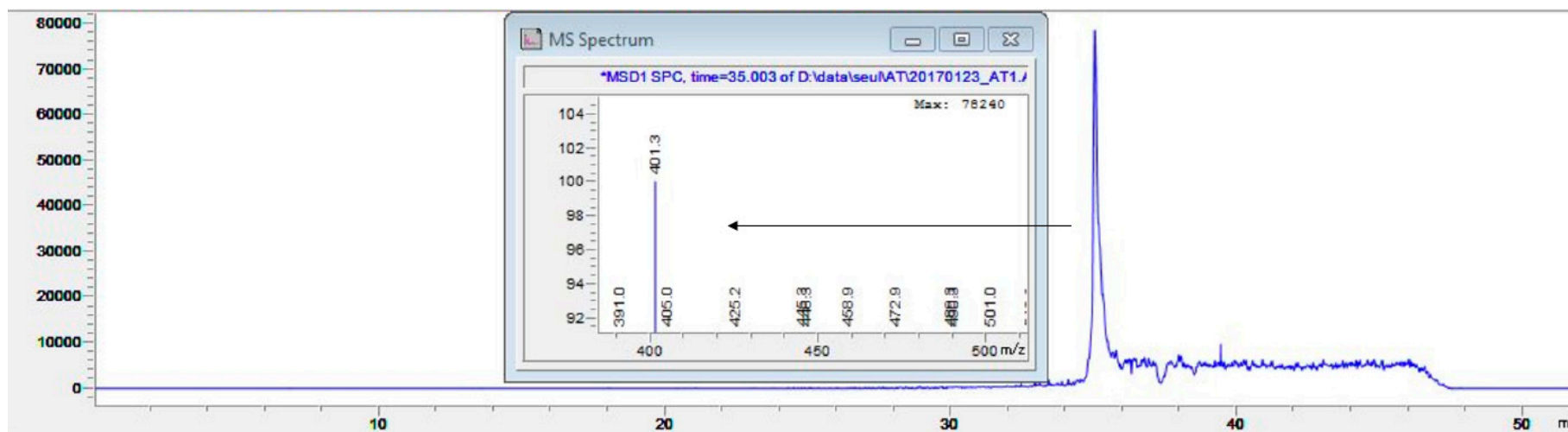
429.3 [M+H]⁺

Figure S12. TIC of compound **3** in the LC/MS analysis.



347.3 [M+H]⁺

Figure S13. TIC of compound **4** in the LC/MS analysis.



401.3 [M+H]⁺

Figure S14. TIC of compound **5** in the LC/MS analysis.

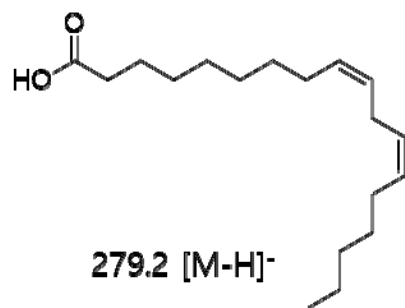
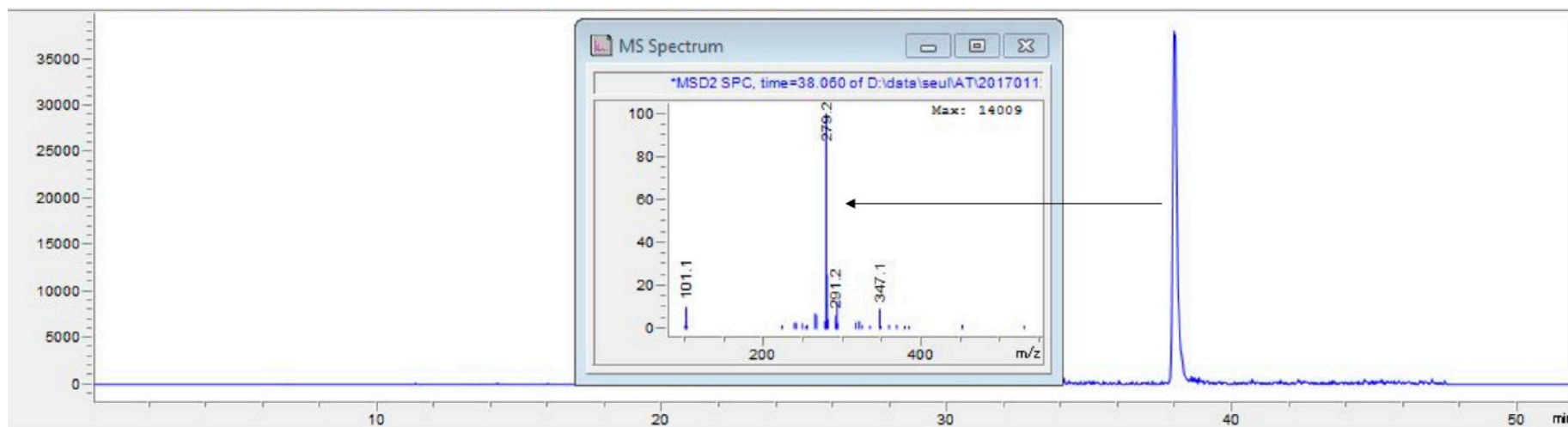
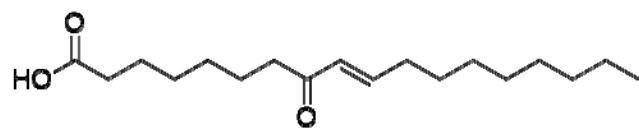
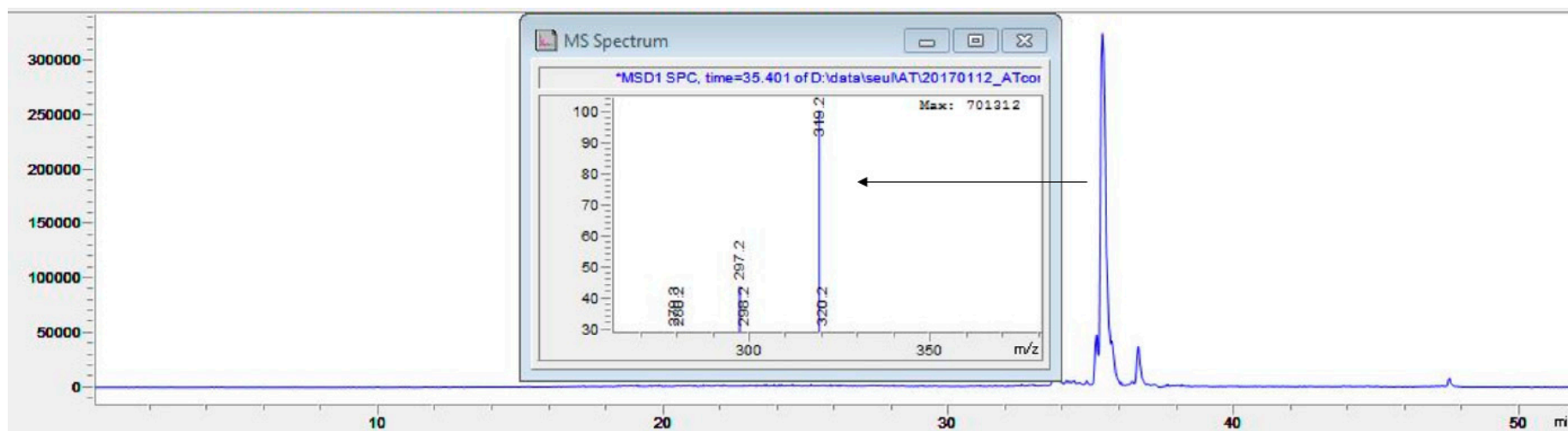
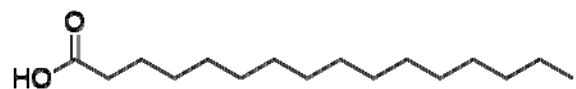
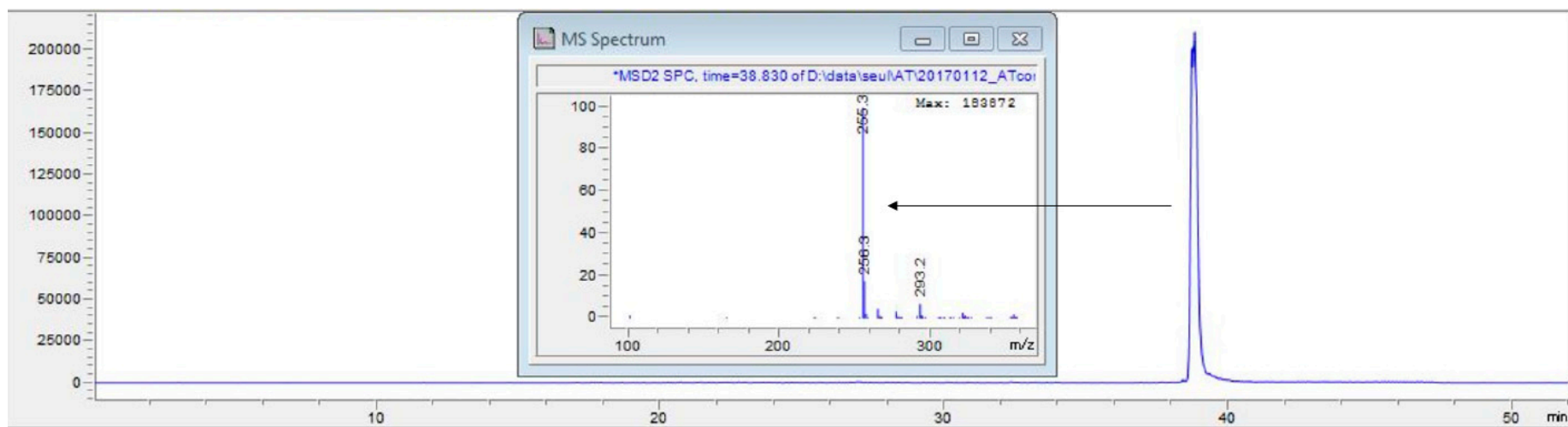


Figure S15. TIC of compound **6** in the LC/MS analysis.



319.2 [M+Na]⁺

Figure S16. TIC of compound **7** in the LC/MS analysis.



255.3 [M-H]⁻

Figure S17. TIC of compound **8** in the LC/MS analysis.

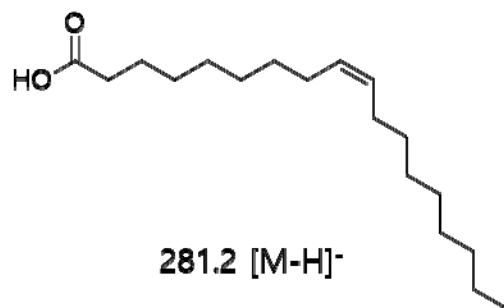
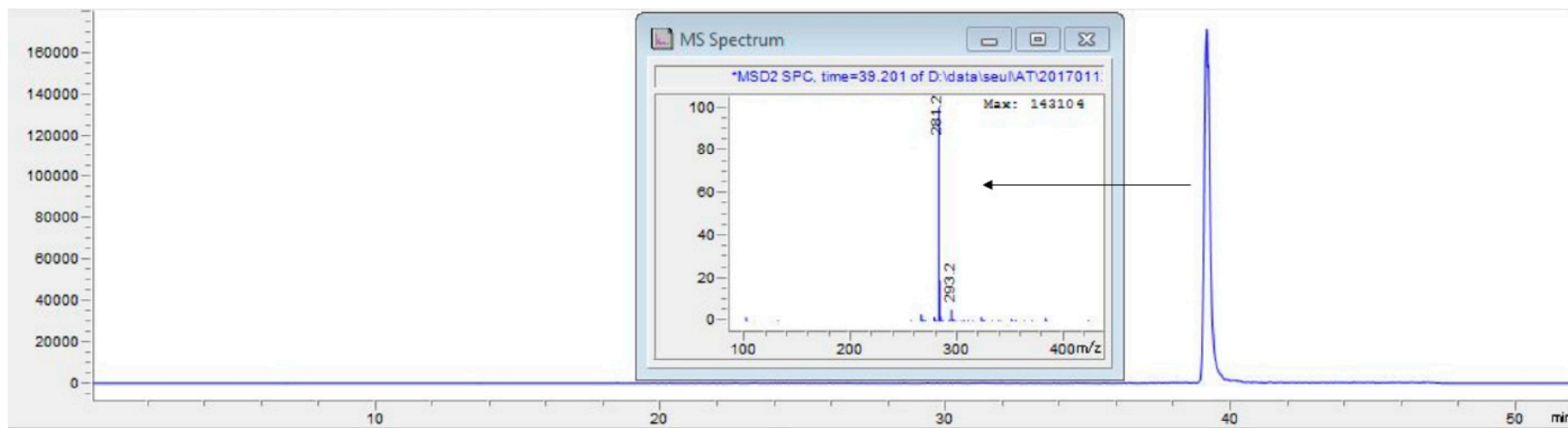
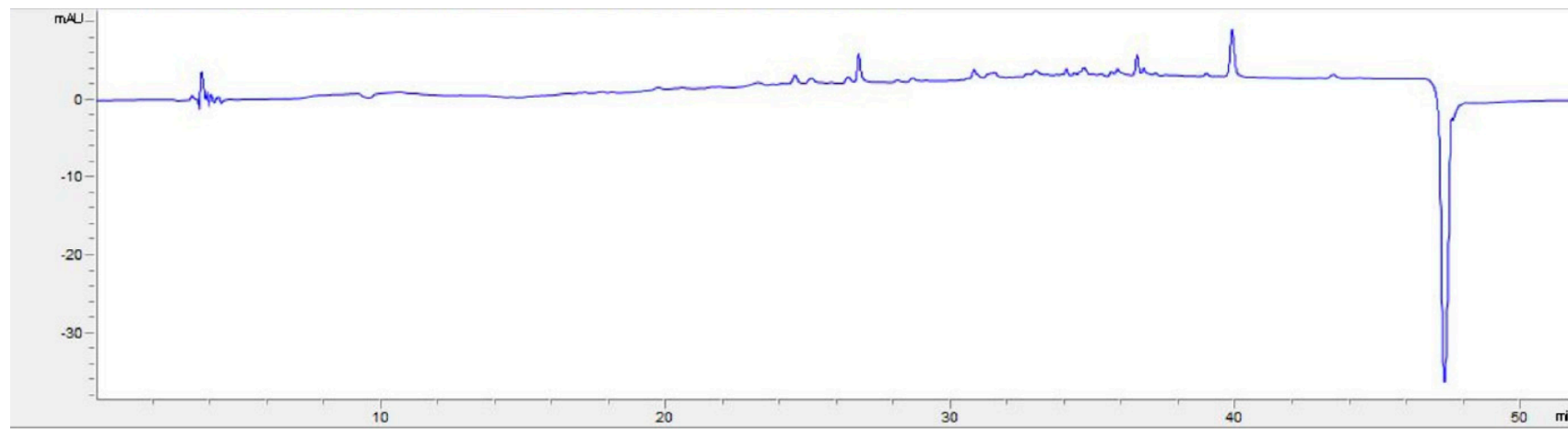


Figure S18. UV chromatogram of LC/MS (detection wavelength was set as 254 nm) of (A) hexane-soluble and (B) CH₂Cl₂-soluble factions.

(A)



(B)

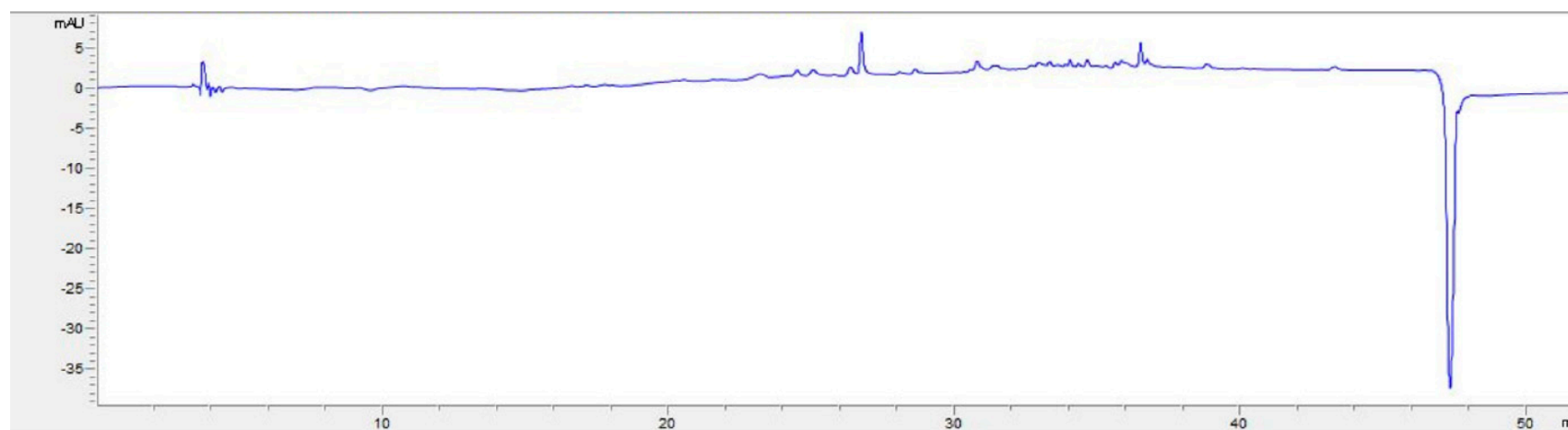


Figure S19. TLC analysis of (A) hexane-soluble and (B) CH₂Cl₂-soluble factions.

