

Supplementary Materials

Isolation of Novel Sesquiterpenoids and Anti-neuroinflammatory Metabolites from *Nardostachys jatamansi*

Chi-Su Yoon ^{1,2,#}, Dong-Cheol Kim ^{1,2,#}, Jin-Soo Park ^{1,#}, Kwan-Woo Kim ¹, Youn-Chul Kim ¹, and Hyuncheol Oh^{1,2,*}

¹ College of Pharmacy, Wonkwang University, Iksan 54538, Republic of Korea; ycs1991@naver.com (C.-S.Y.); js9181515@naver.com (J.-S.P.); kimman07@hanmail.net (D.-C.K.); swamp1@naver.com (K.-W.K.); yckim@wku.ac.kr (Y.-C.K)

² Hanbang Cardio-Renal Syndrome Research Center, Wonkwang University, Iksan 54538, Republic of Korea

* Correspondence: hoh@wku.ac.kr (H.O.); Tel.: +82-63-850-6815 (H.O.); Fax: +82-63-852-8837 (H.O.)

These authors contributed equally to this work.

List of Supporting Information

Figure S1. HRESIMS spectrum of compound **1**.

Figure S2. ^1H NMR (400 MHz, acetone- d_6) spectrum of compound **1**.

Figure S3. ^{13}C NMR (100 MHz, acetone- d_6) spectrum of compound **1**.

Figure S4. ^1H NMR (400 MHz, pyridine- d_5) spectrum of compound **1**.

Figure S5. ^{13}C NMR (100 MHz, pyridine- d_5) spectrum of compound **1**.

Figure S6. HRESIMS spectrum of compound **2**.

Figure S7. ^1H NMR (400 MHz, pyridine- d_5) spectrum of compound **2**.

Figure S8. ^{13}C NMR (100 MHz, pyridine- d_5) spectrum of compound **2**.

Figure S9. HRESIMS spectrum of compound **3**.

Figure S10. ^1H NMR (400 MHz, chloroform- d) spectrum of compound **3**.

Figure S11. ^{13}C NMR (100 MHz, chloroform- d) spectrum of compound **3**.

Figure S12. HRESIMS spectrum of compound **4**.

Figure S13. ^1H NMR (400 MHz, chloroform- d) spectrum of compound **4**.

Figure S14. ^{13}C NMR (100 MHz, chloroform- d) spectrum of compound **4**.

Figure S15. HRESIMS spectrum of compound **5**.

Figure S16. ^1H NMR (400 MHz, DMSO- d_6) spectrum of compound **5**.

Figure S17. ^{13}C NMR (100 MHz, DMSO- d_6) spectrum of compound **5**.

Figure S18. ^1H NMR (400 MHz, pyridine- d_5) spectrum of compound **5**.

Figure S19. ^{13}C NMR (100 MHz, pyridine- d_5) spectrum of compound **5**.

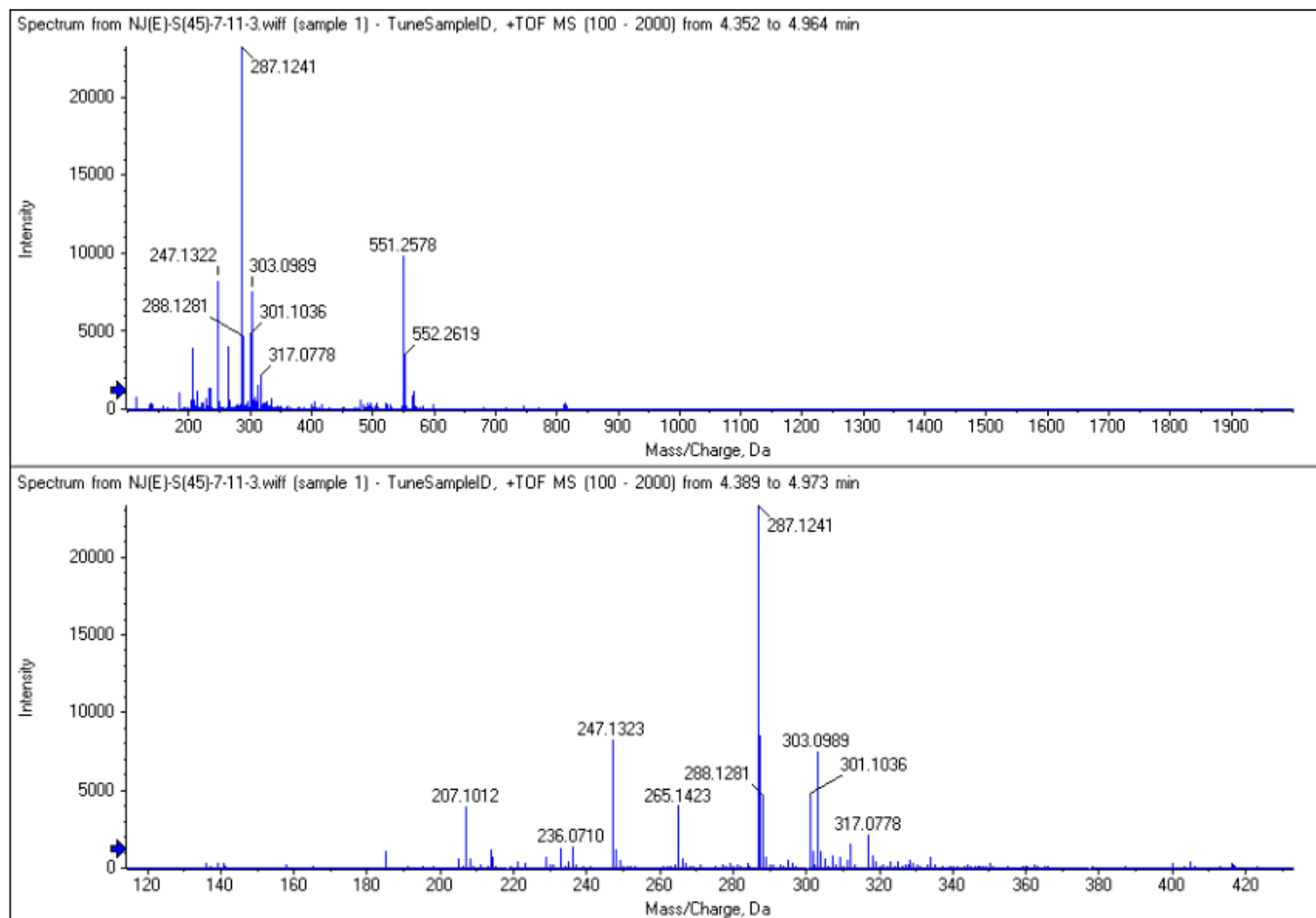


Figure S1. HRESIMS spectrum of compound 1.

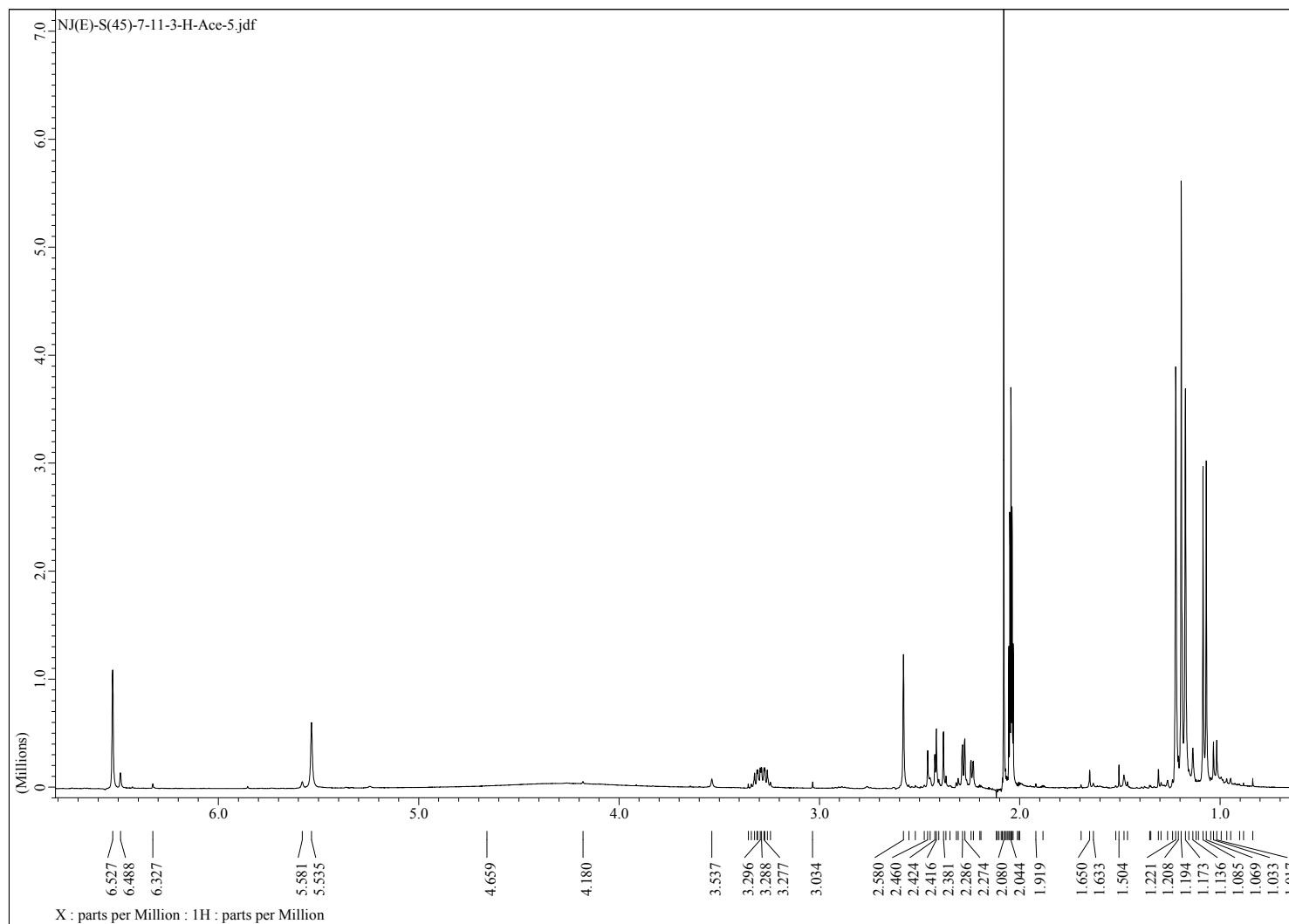


Figure S2. ^1H NMR (400 MHz, acetone- d_6) spectrum of compound **1**.

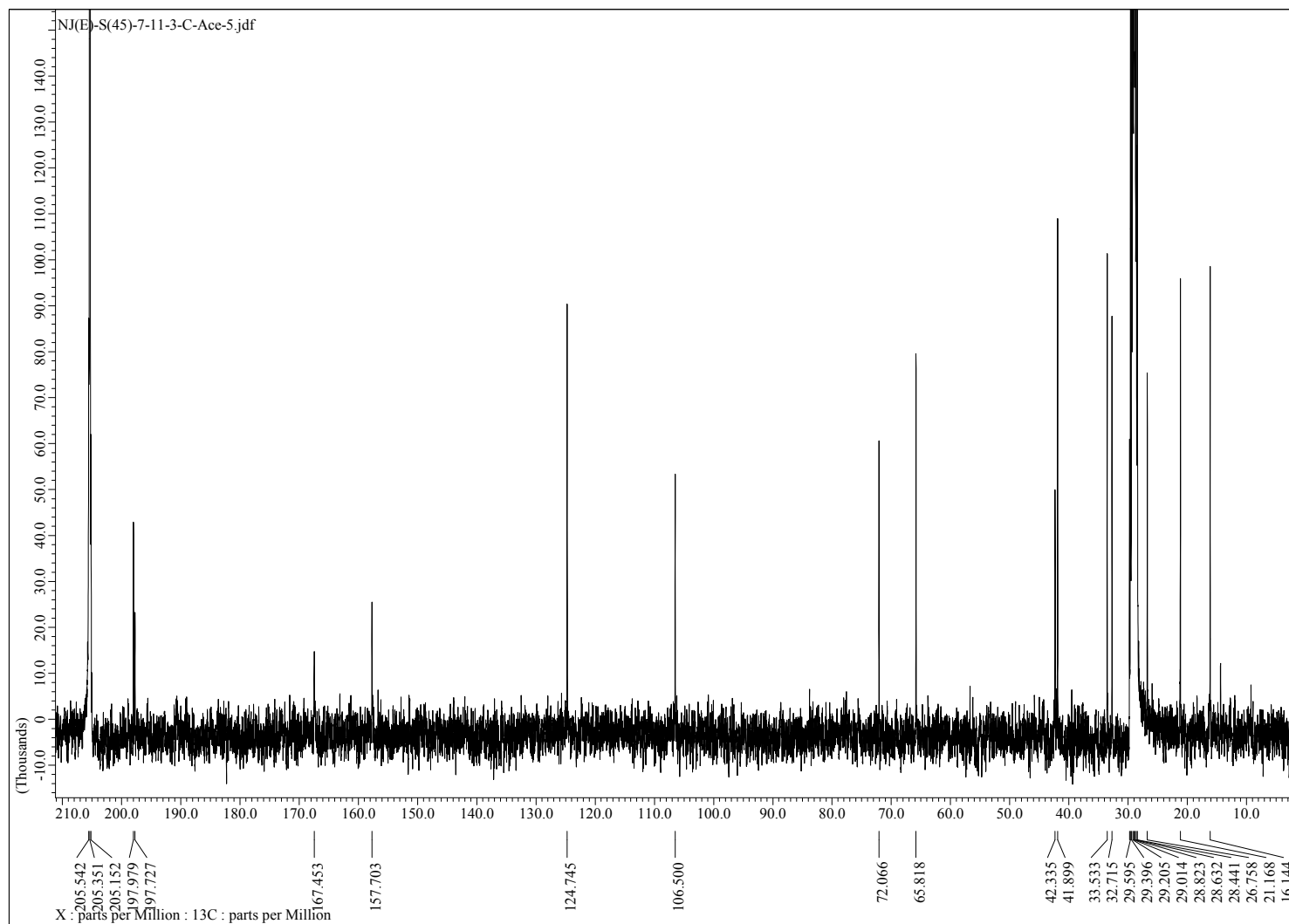


Figure S3. ^{13}C NMR (100 MHz, acetone- d_6) spectrum of compound **1**.

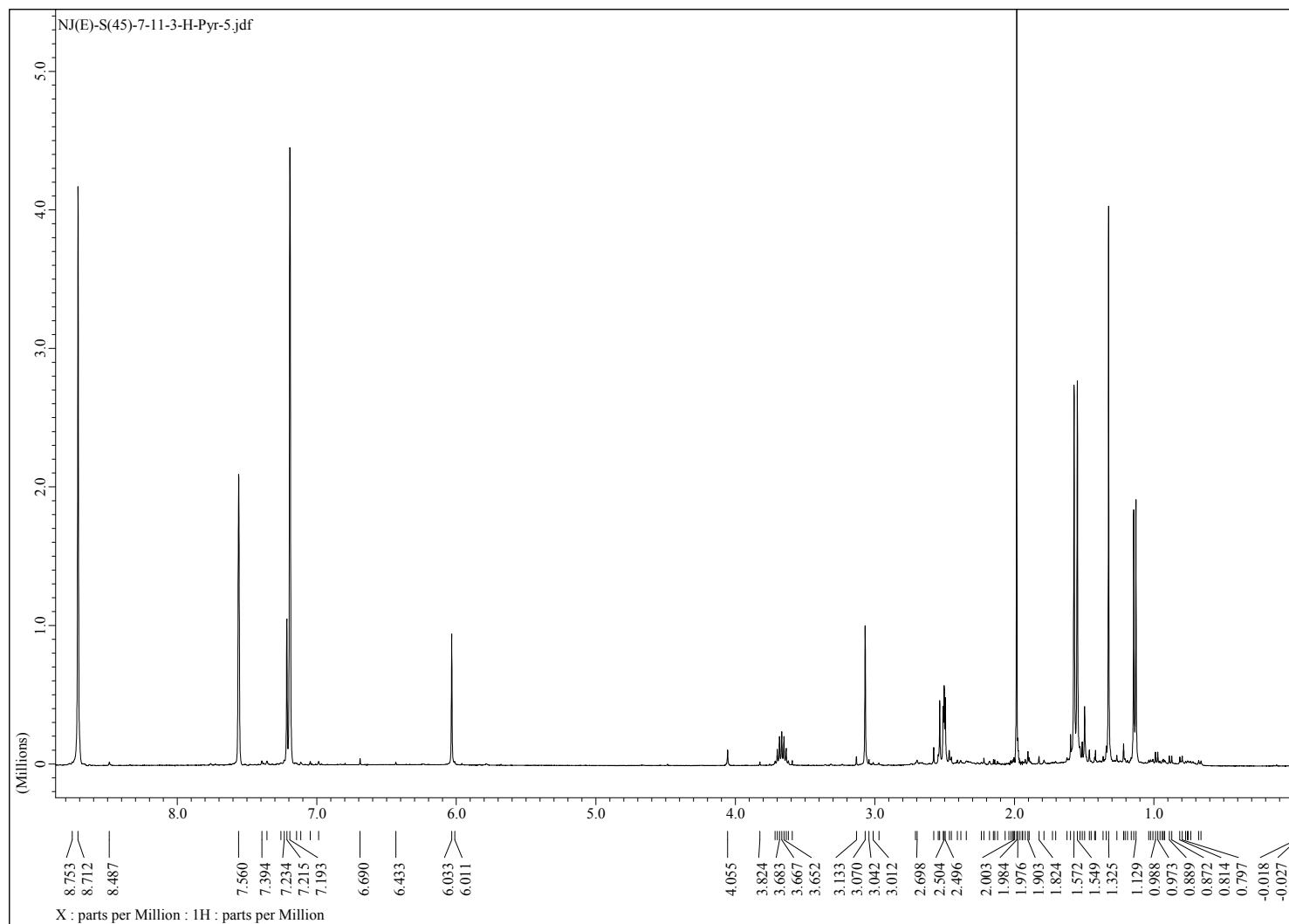


Figure S4. ^1H NMR (400 MHz, pyridine- d_5) spectrum of compound **1**.

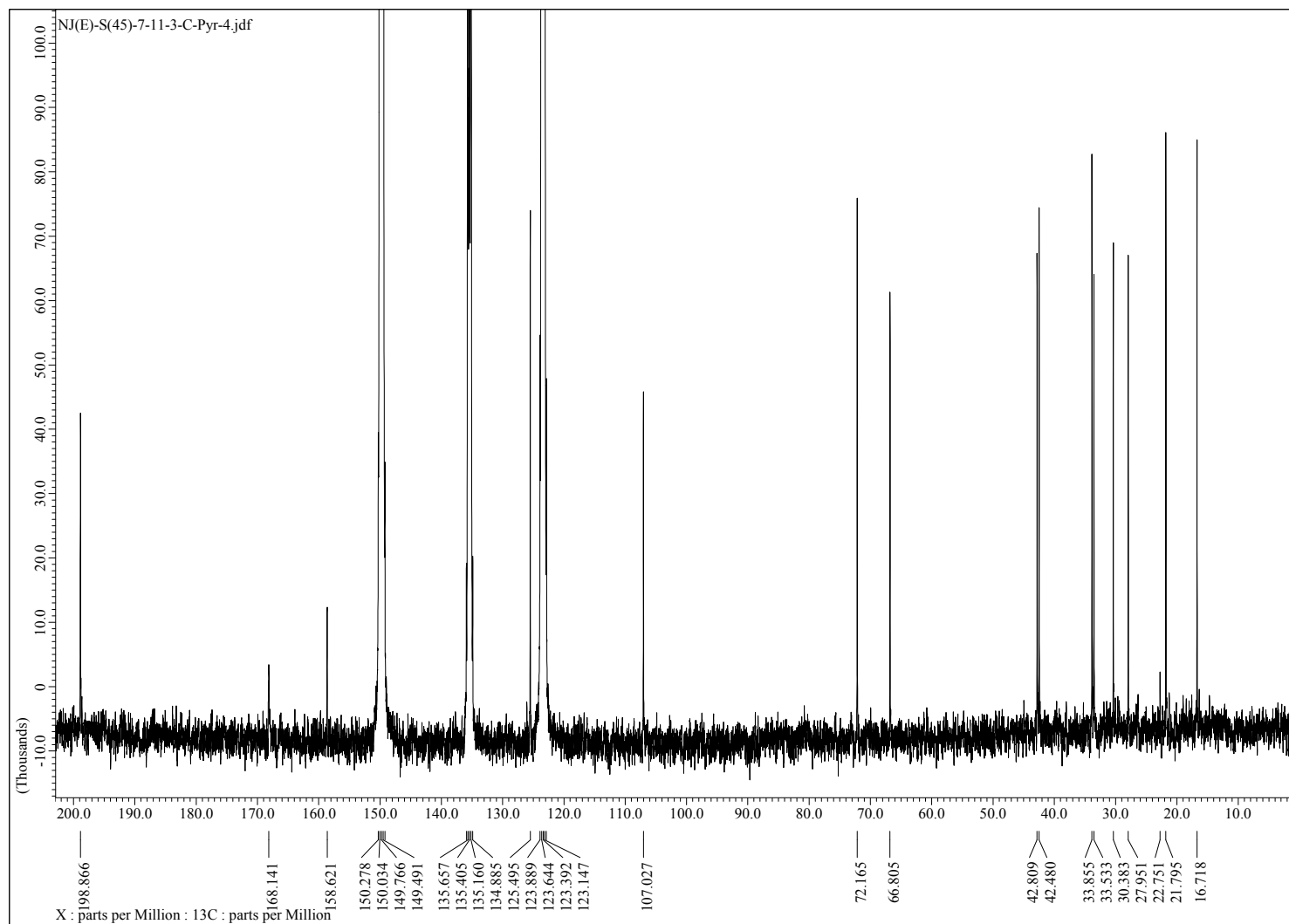


Figure S5. ^{13}C NMR (100 MHz, pyridine- d_5) spectrum of compound **1**.

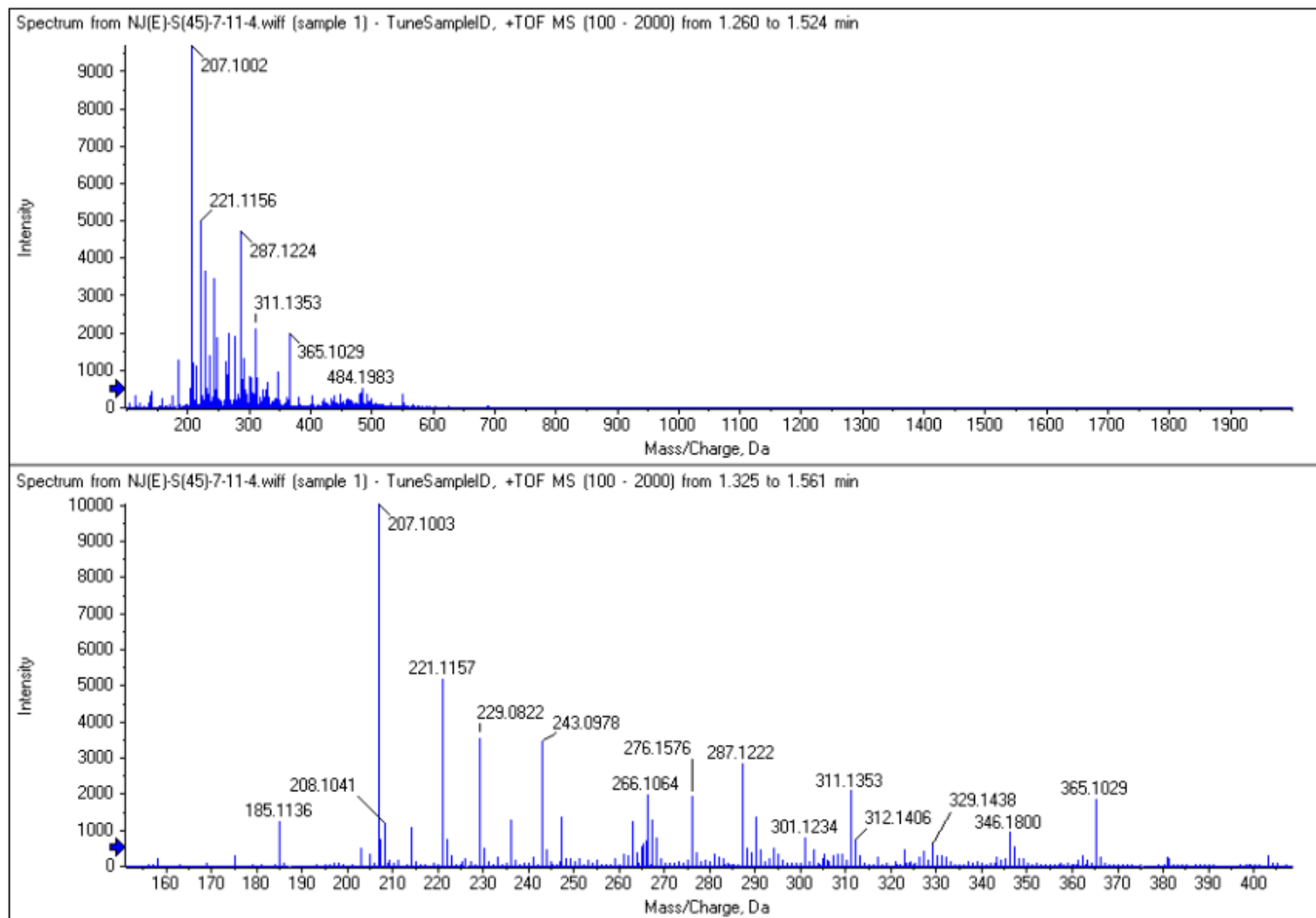


Figure S6. HRESIMS spectrum of compound **2**.

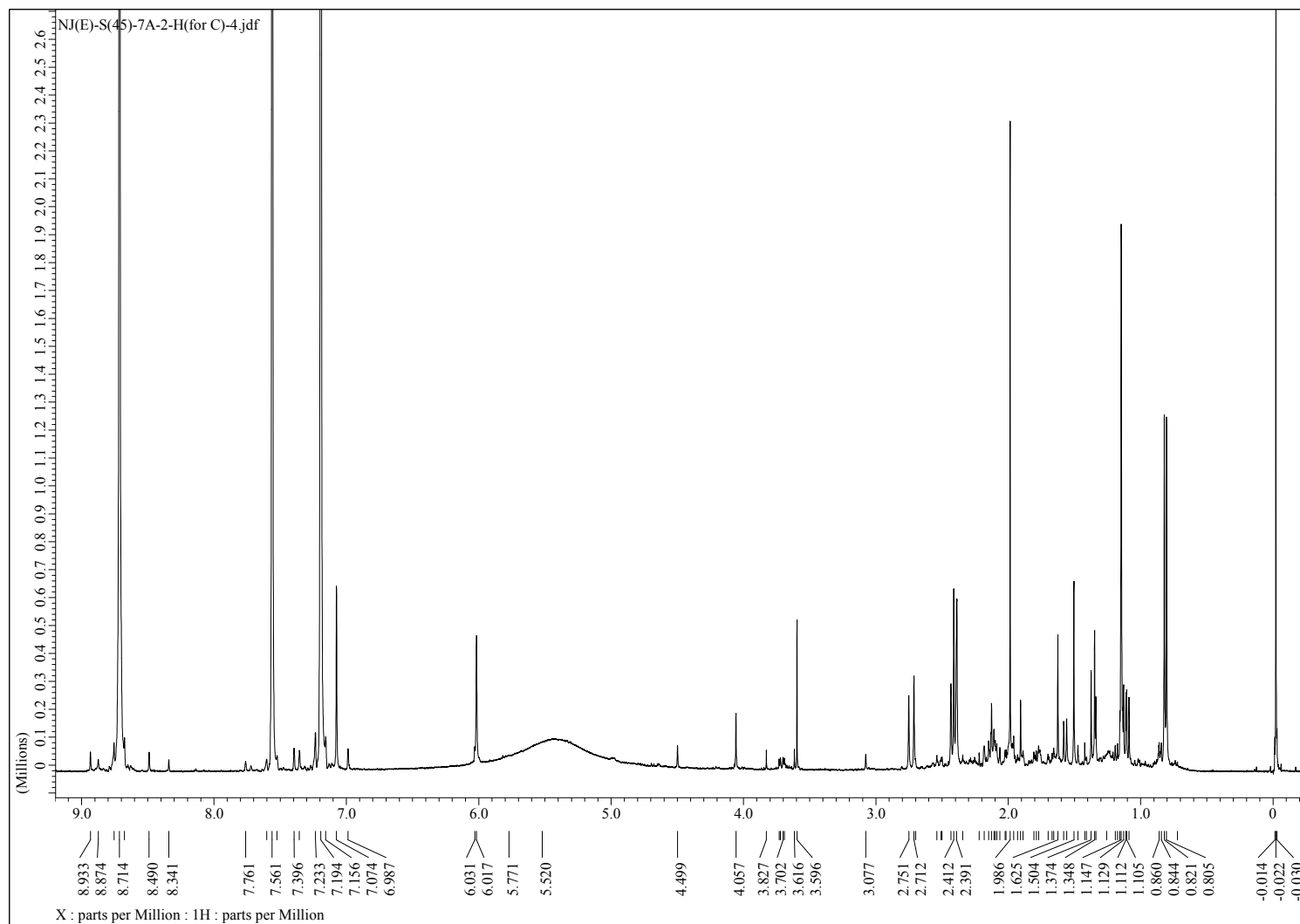


Figure S7. ^1H NMR (400 MHz, pyridine- d_5) spectrum of compound **2**.

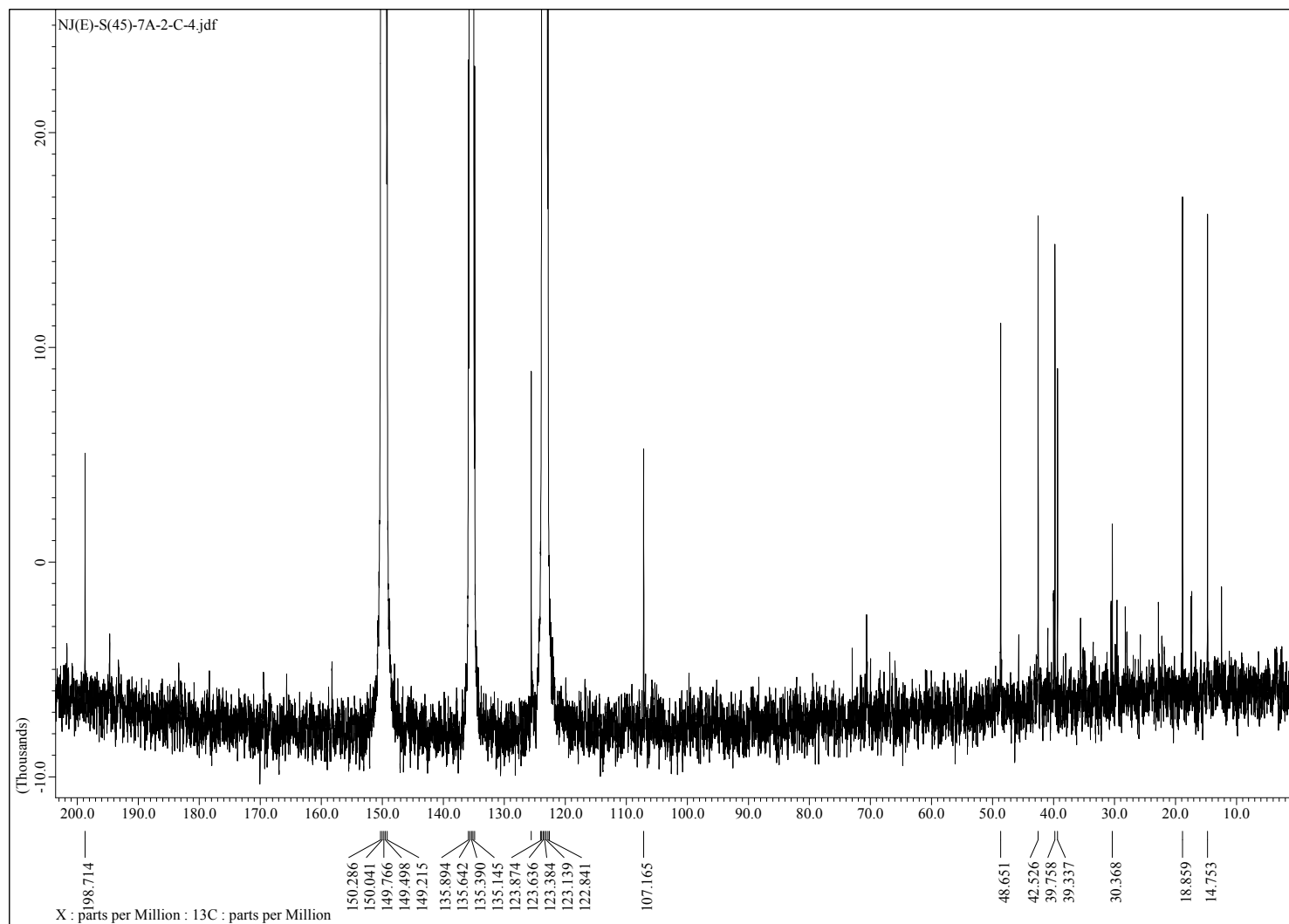


Figure S8. ^{13}C NMR (100 MHz, pyridine- d_5) spectrum of compound **2**.

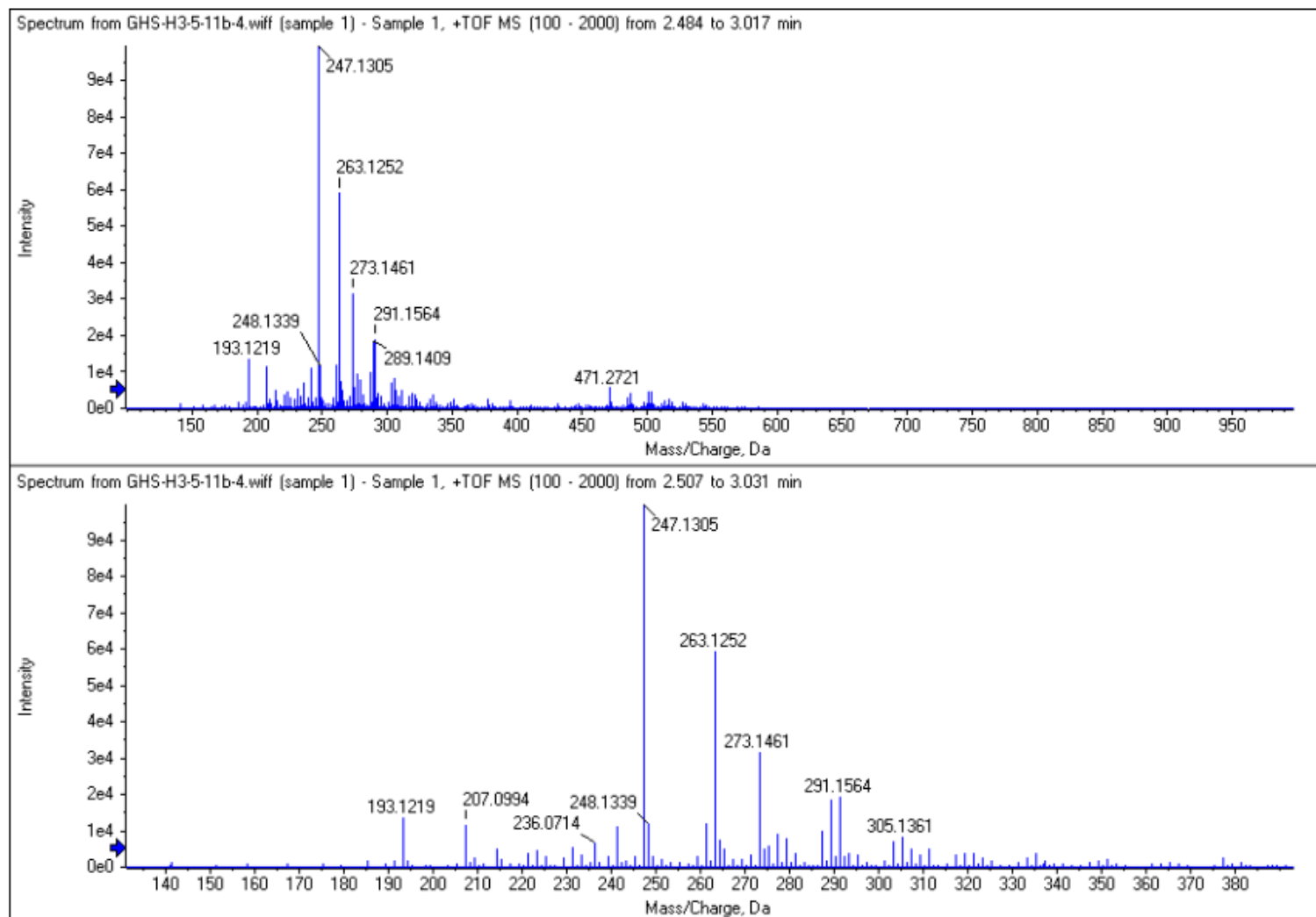


Figure S9. HRESIMS spectrum of compound **3**.

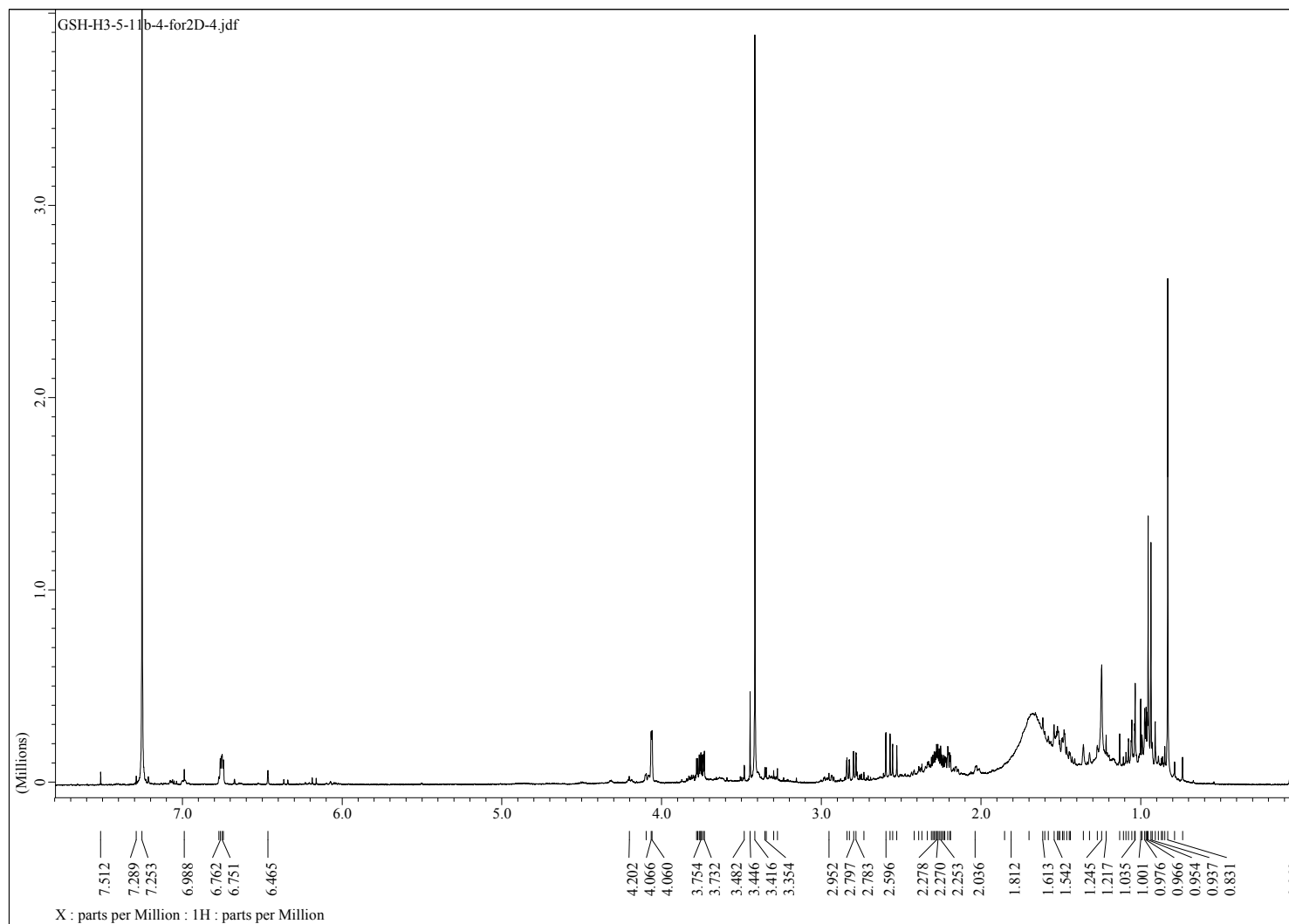


Figure S10. ^1H NMR (400 MHz, chloroform-*d*) spectrum of compound **3**.

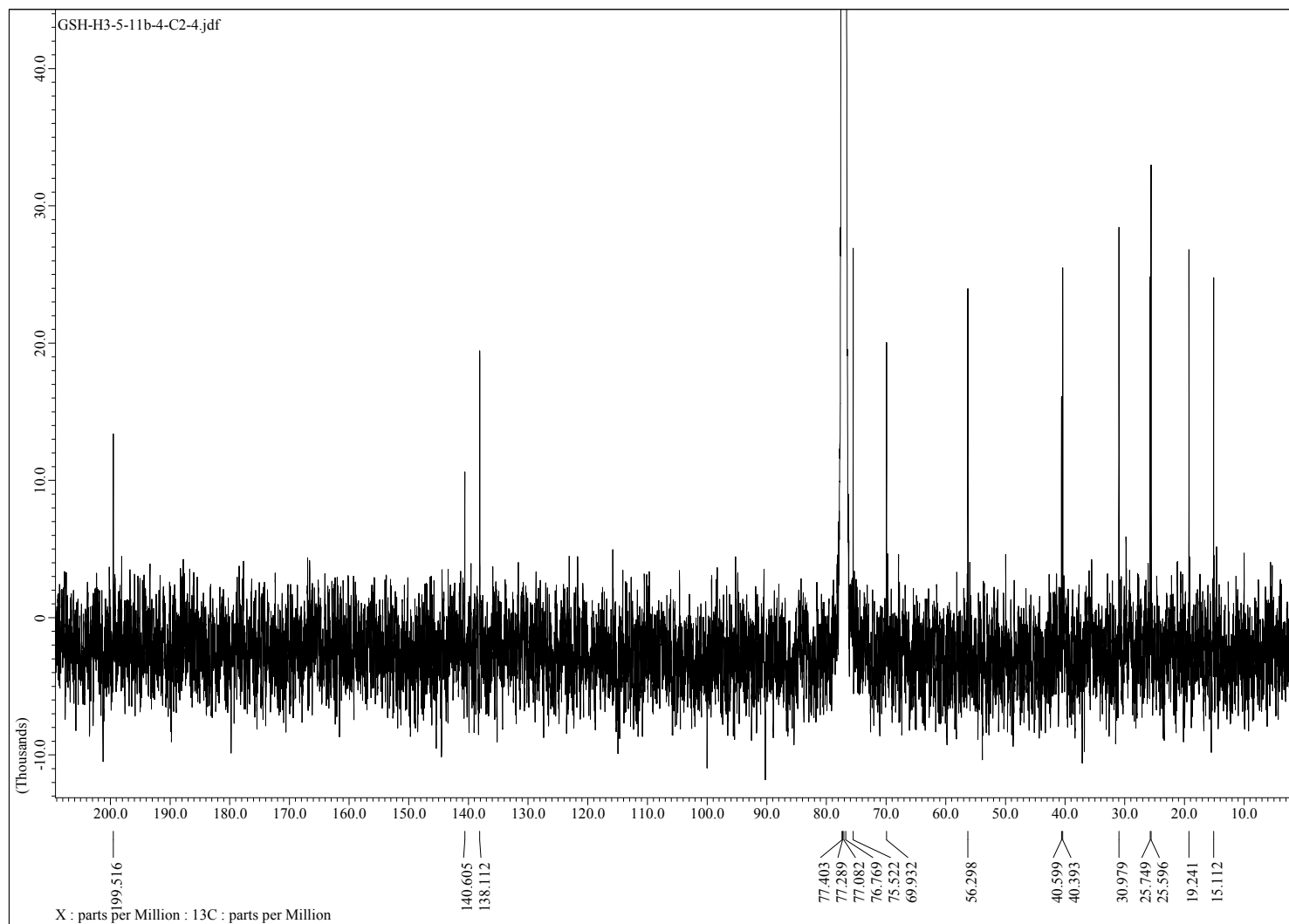


Figure S11. ^{13}C NMR (100 MHz, chloroform-*d*) spectrum of compound **3**.

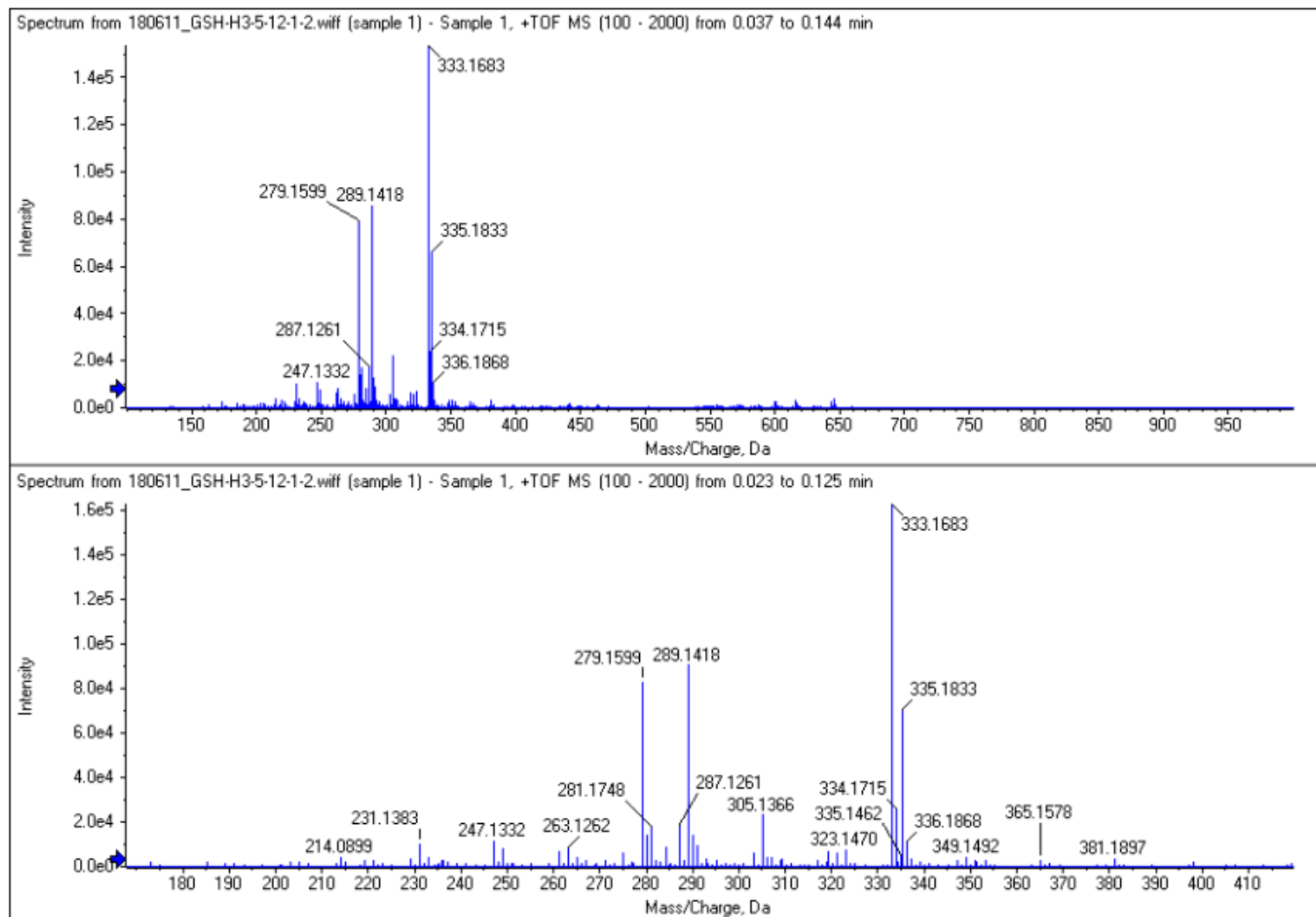


Figure S12. HRESIMS spectrum of compound 4.

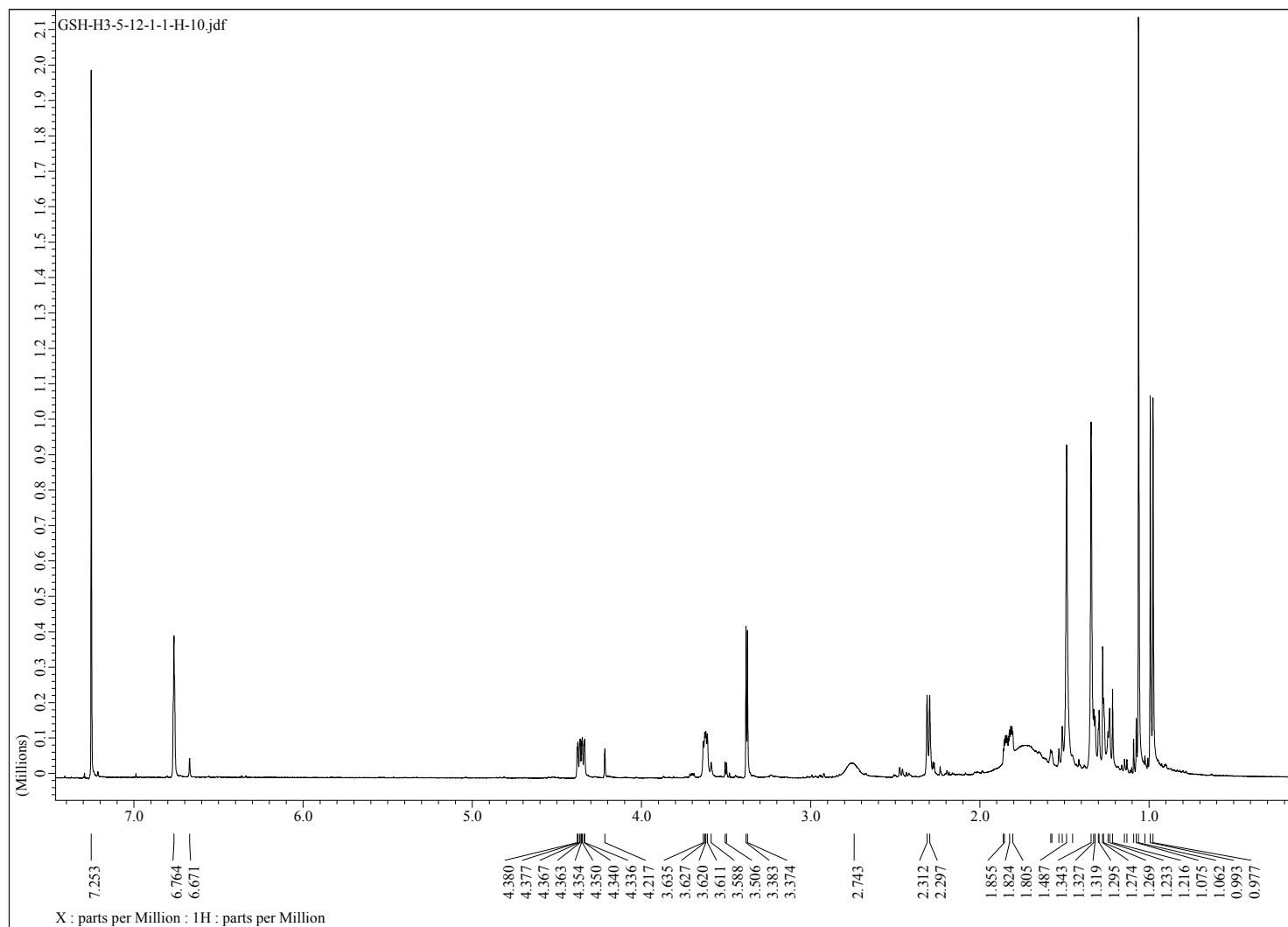


Figure S13. ^1H NMR (400 MHz, chloroform-*d*) spectrum of compound 4.

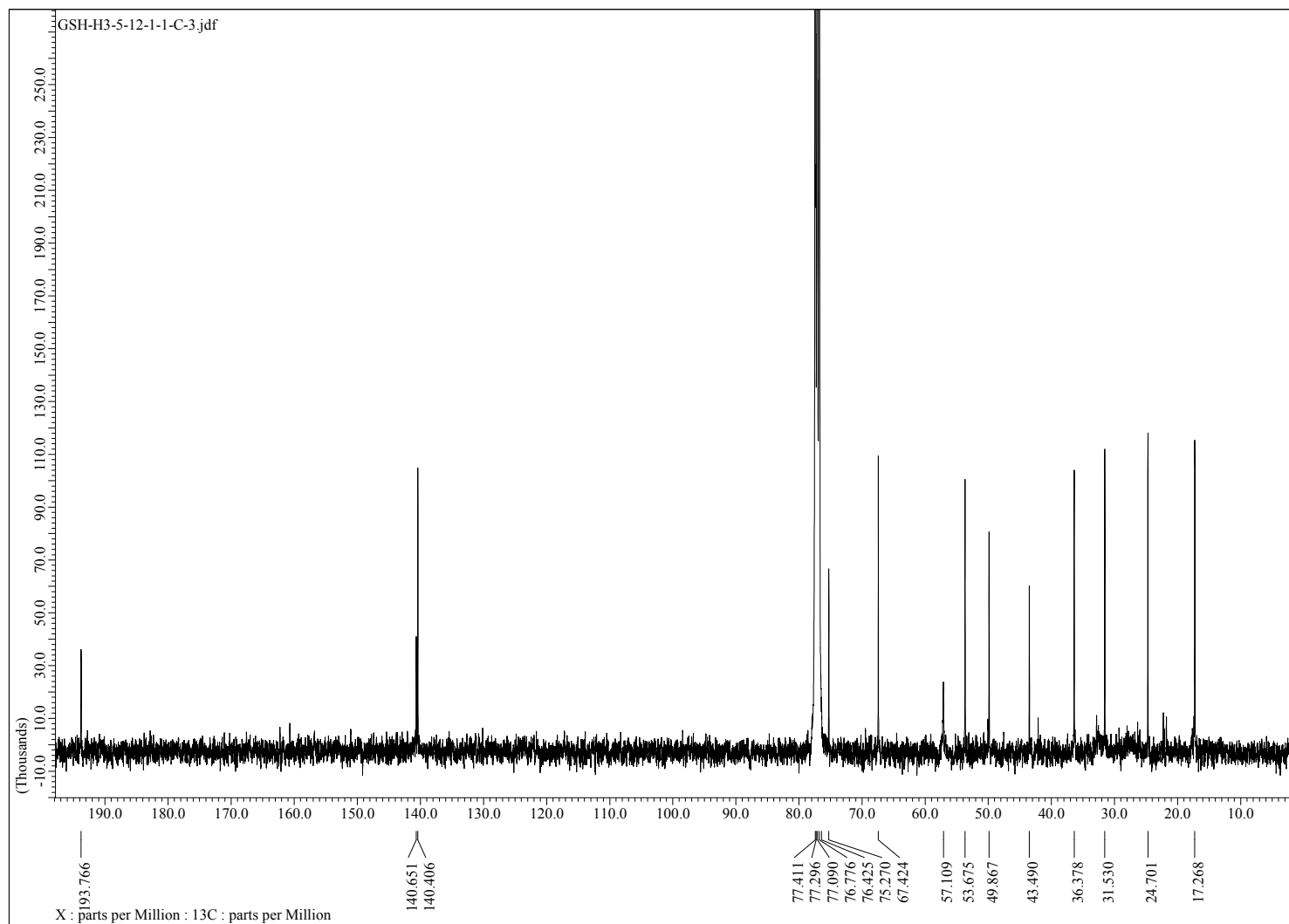


Figure S14. ^{13}C NMR (100 MHz, chloroform-*d*) spectrum of compound **4**.

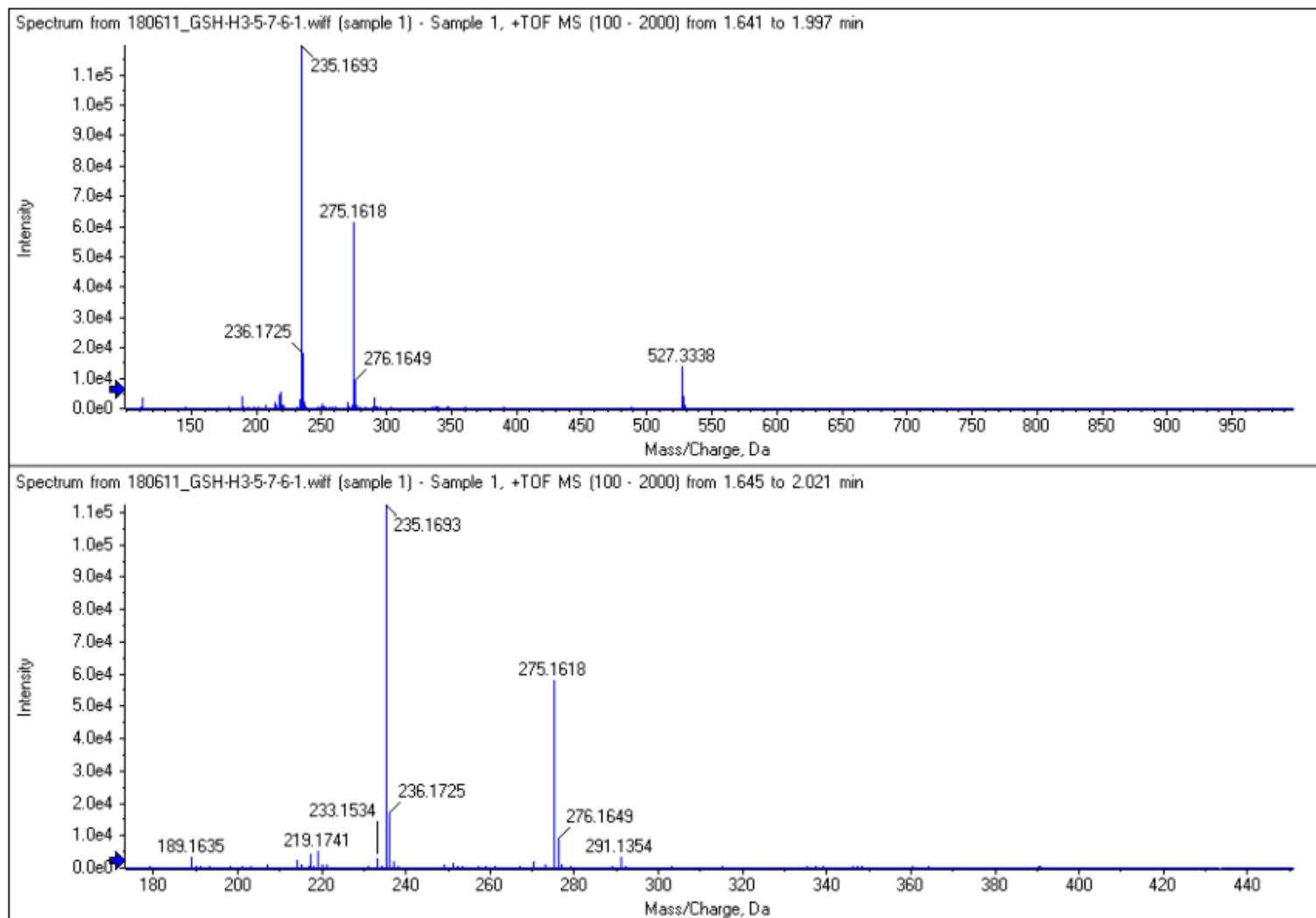


Figure S15. HRESIMS spectrum of compound **5**.

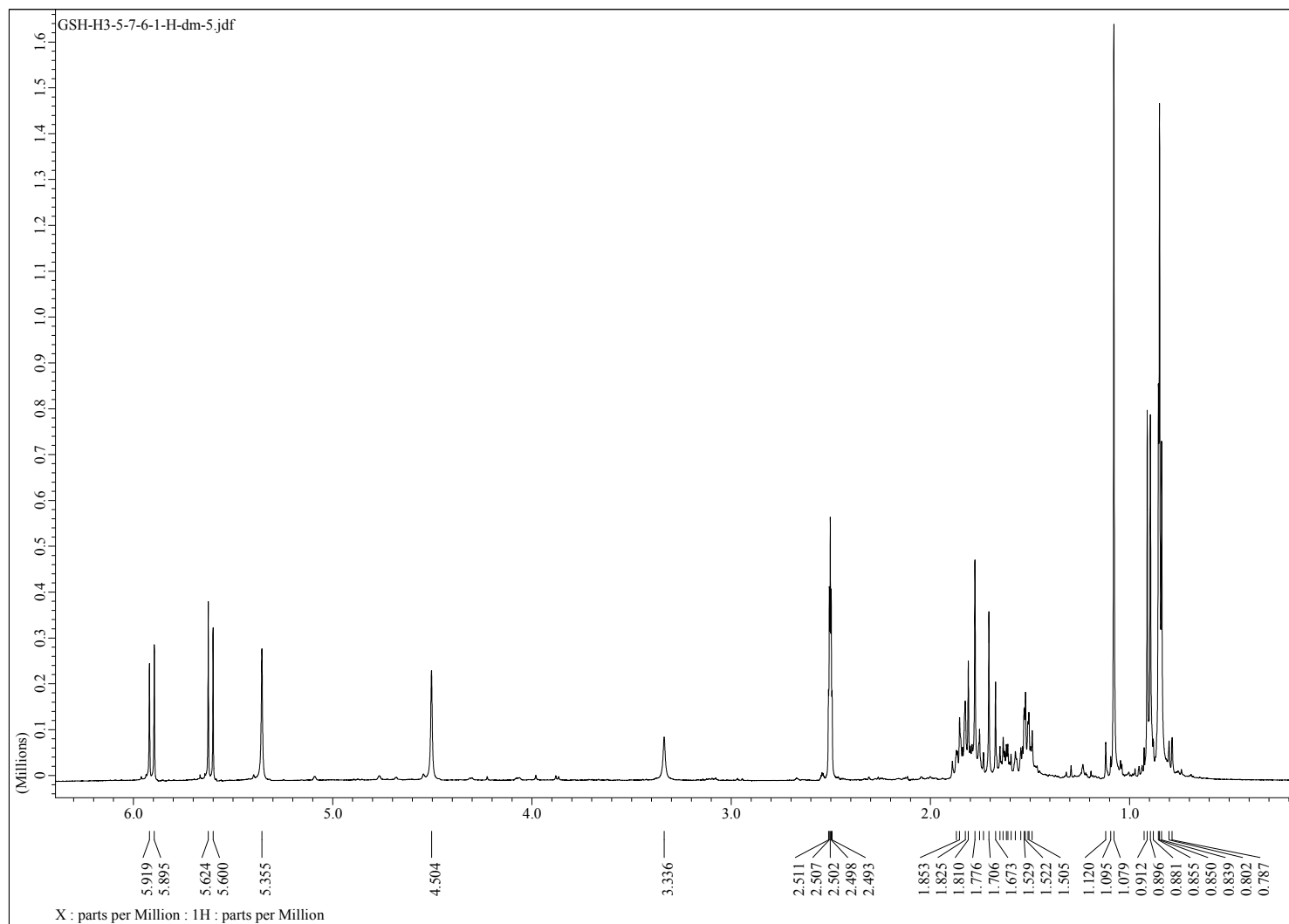


Figure S16. ^1H NMR (400 MHz, $\text{DMSO-}d_6$) spectrum of compound **5**.

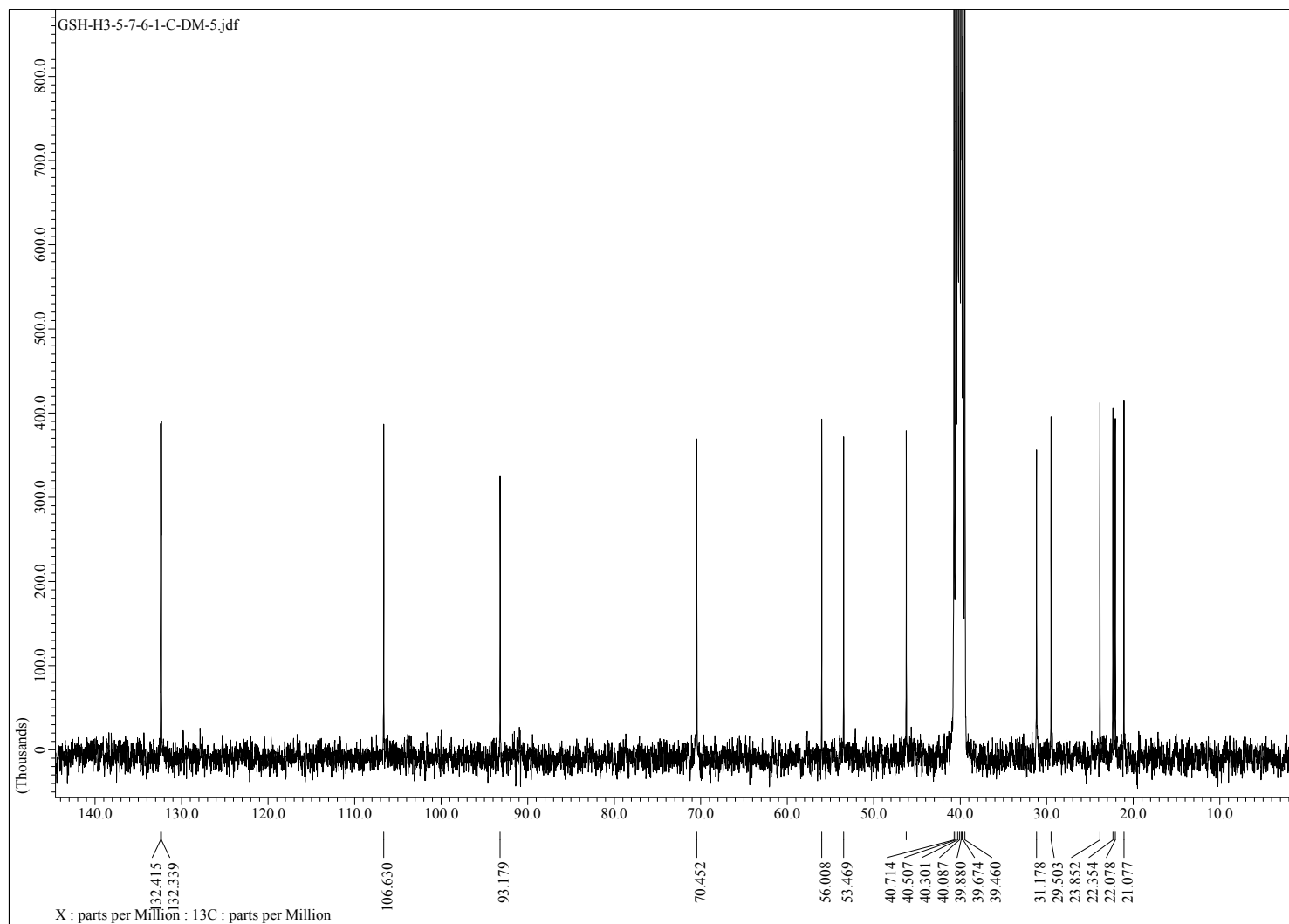


Figure S17. ^{13}C NMR (100 MHz, $\text{DMSO-}d_6$) spectrum of compound **5**.

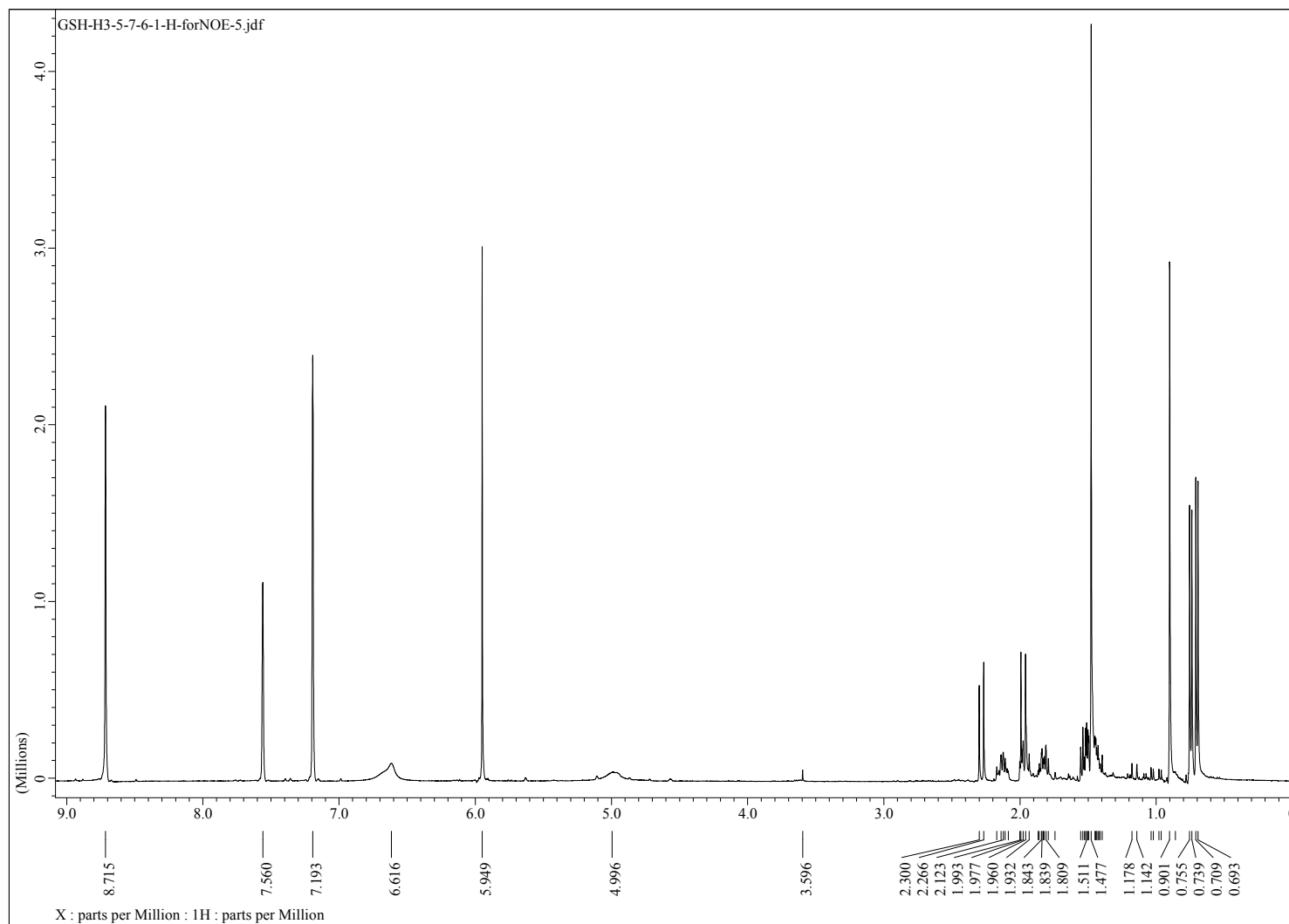


Figure S18. ^1H NMR (400 MHz, pyridine- d_5) spectrum of compound **5**.

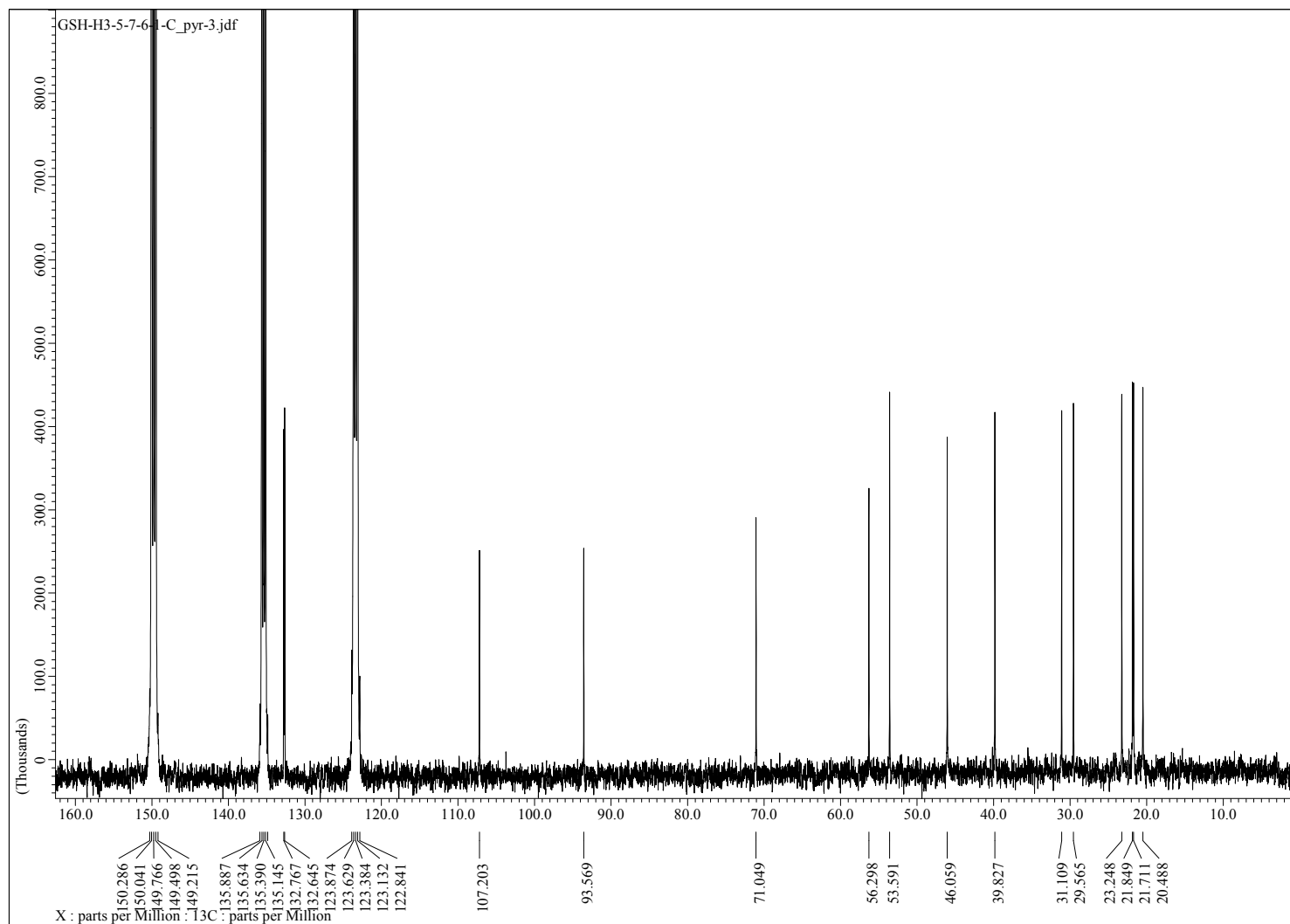


Figure S19. ^{13}C NMR (100 MHz, pyridine- d_5) spectrum of compound **5**.