

Supporting Information

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One-pot protocol for the synthesis of quinoxalines from styrenes, o-phenylenediamine and benzo[c][1,2,5]thiadiazole-4,5-diamine using triiodoisocyanuric acid

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and Rajitha Bavanthula^{1*}

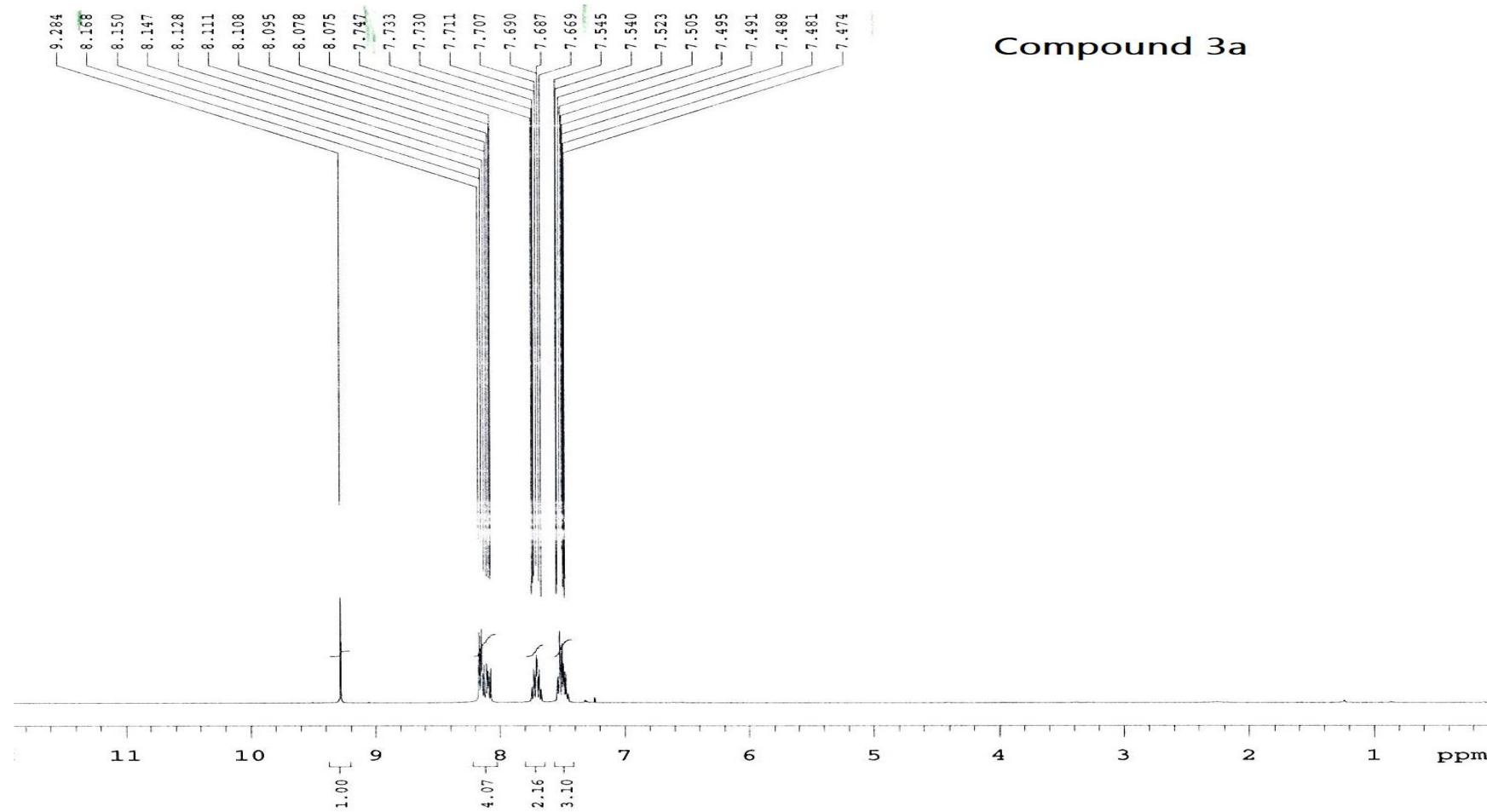
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Compound 3a

Figure S1: ¹H NMR Spectrum of compound 3a in CDCl₃ (400 MHz)

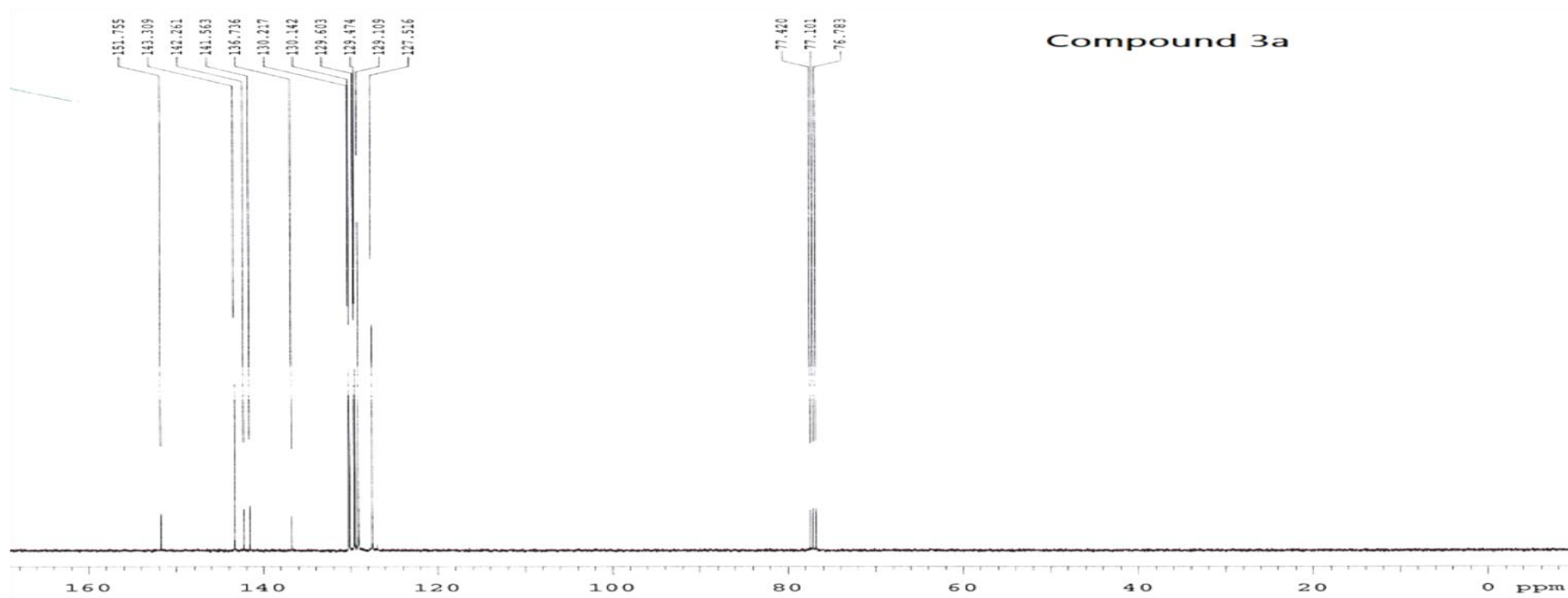


Figure S2: ^{13}C NMR Spectrum of compound **3a** in CDCl_3 (100 MHz)

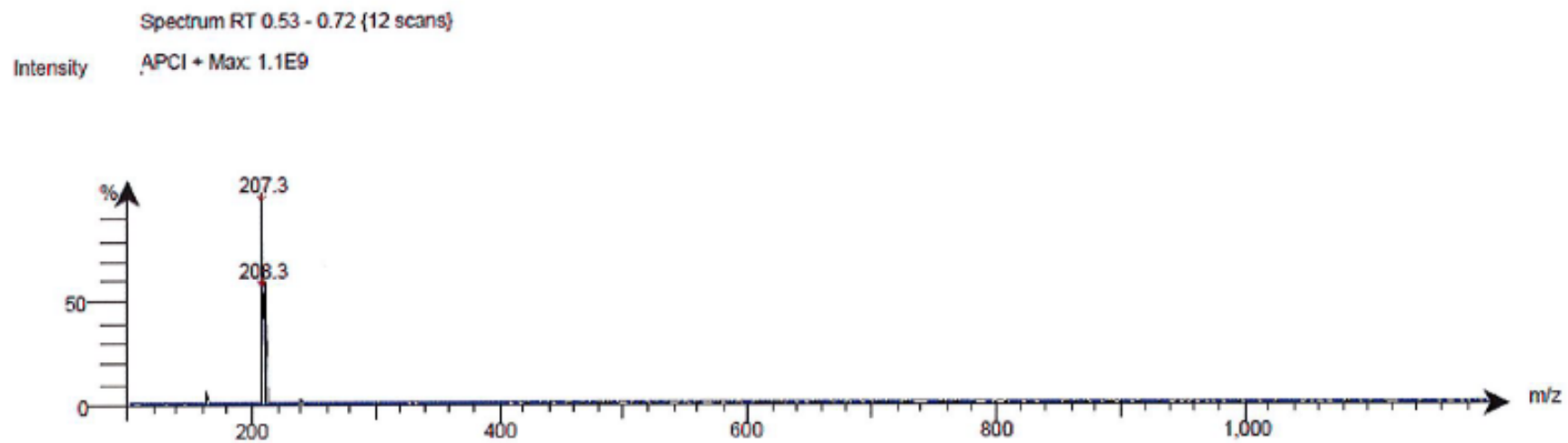


Figure S3: Mass Spectrum of compound **3a**

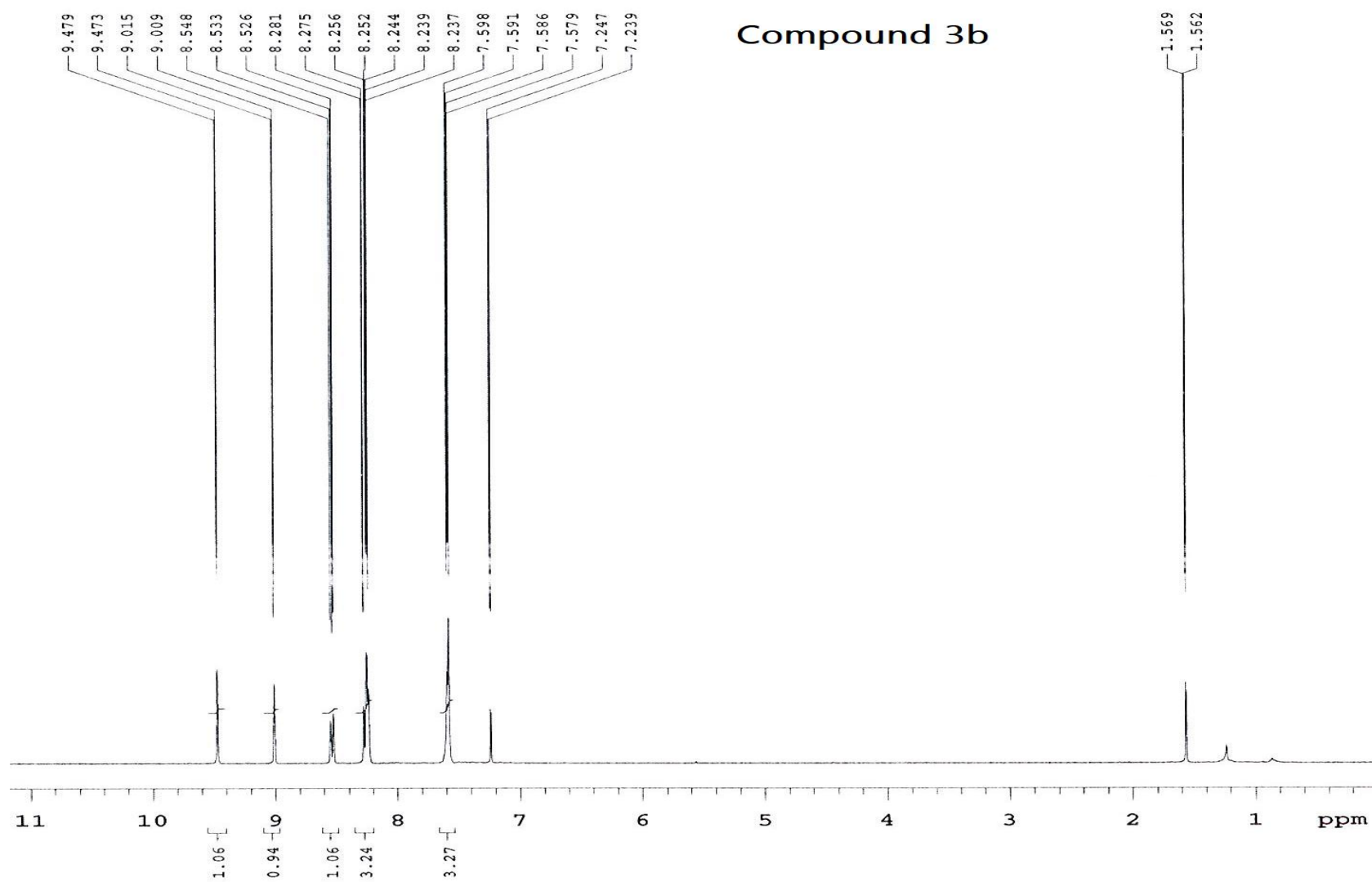


Figure S4: ^1H NMR Spectrum of compound **3b** in CDCl_3 (400 MHz)

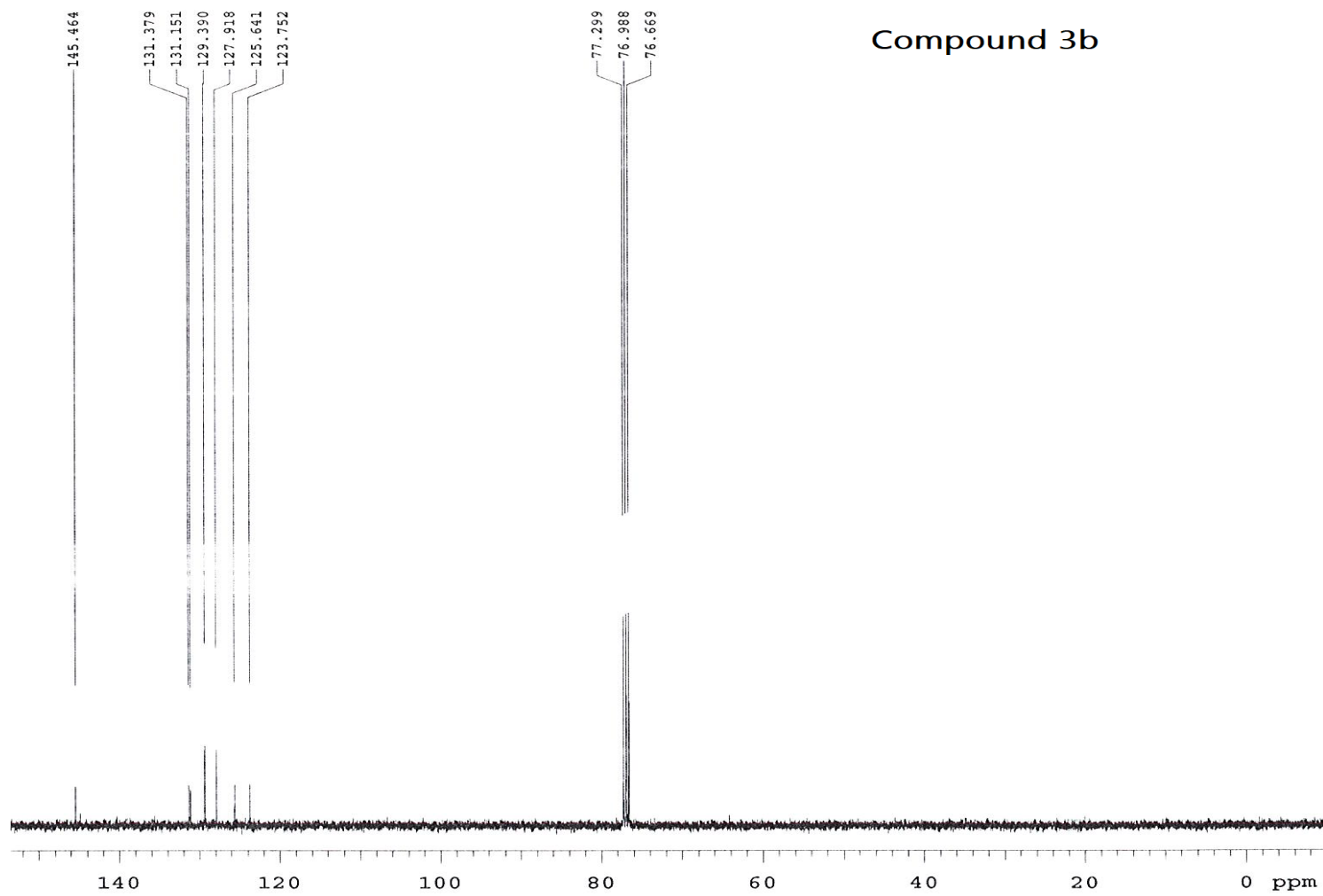


Figure S5: ^{13}C NMR Spectrum of compound **3b** in CDCl_3 (100 MHz)

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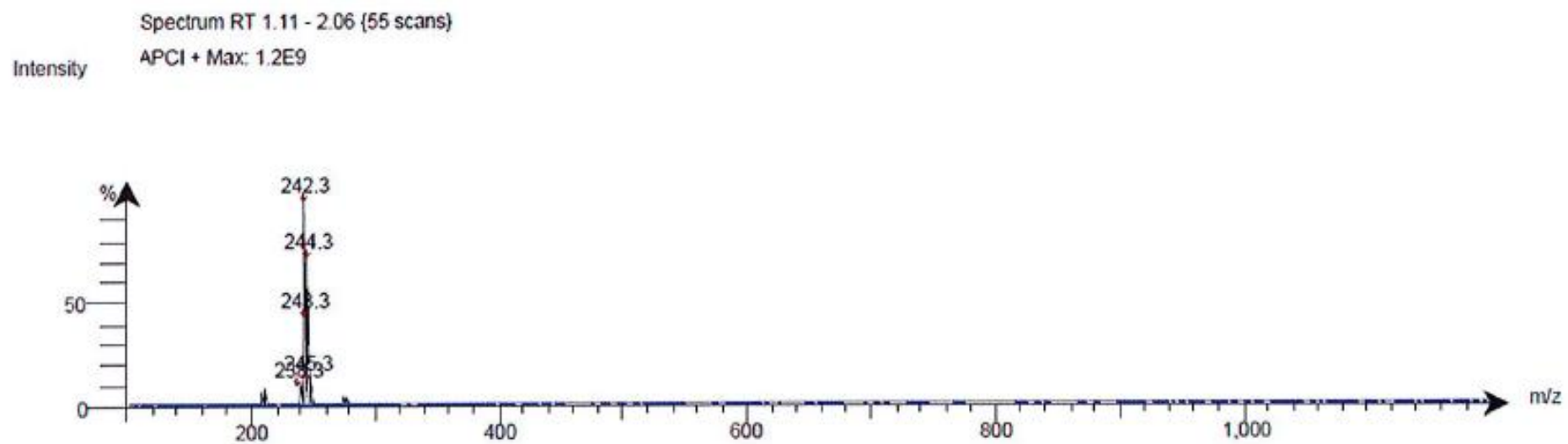


Figure S5: Mass Spectrum of compound **3b**

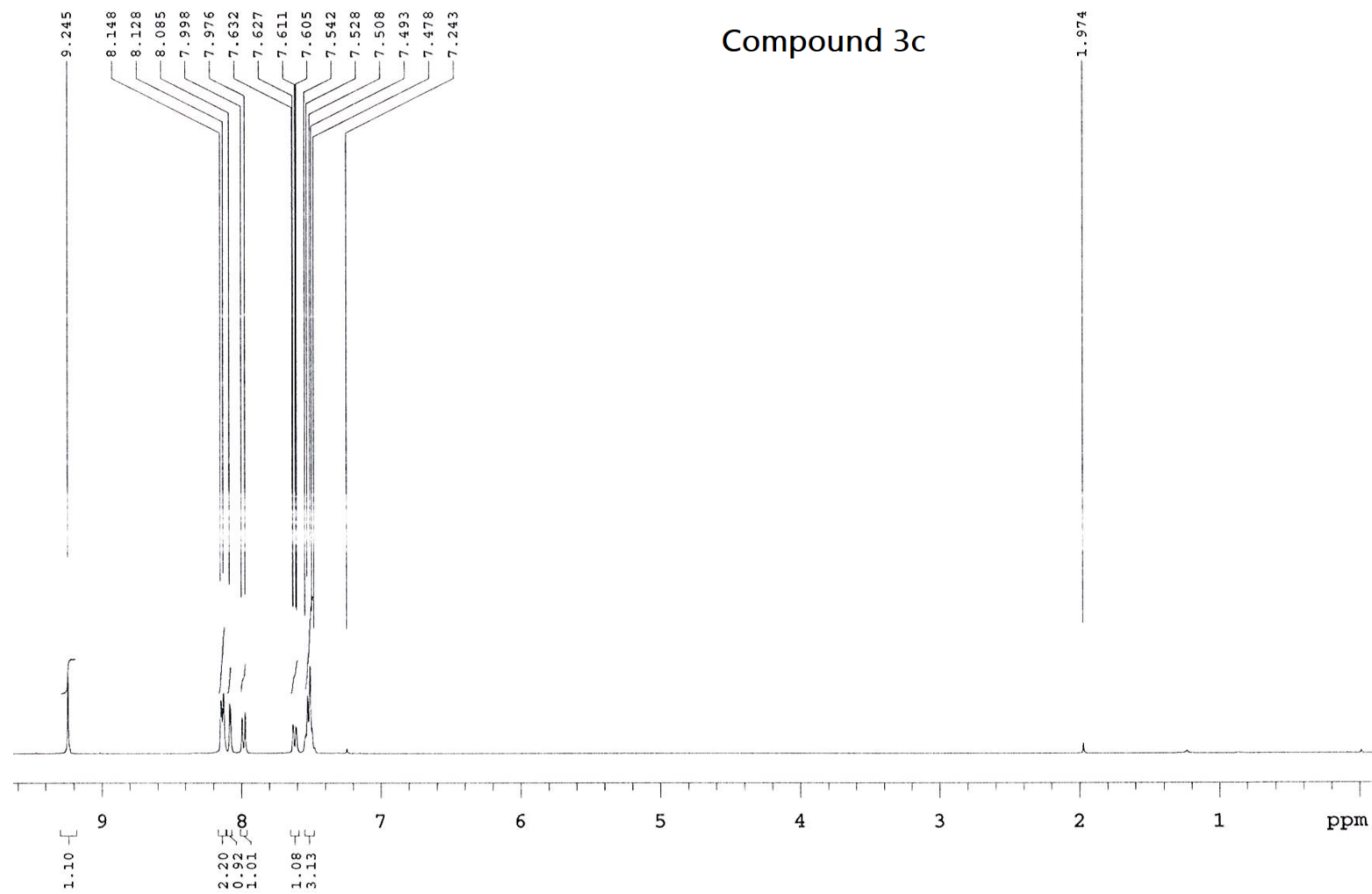


Figure S7: ^1H NMR Spectrum of compound 3c in CDCl_3 (400 MHz)

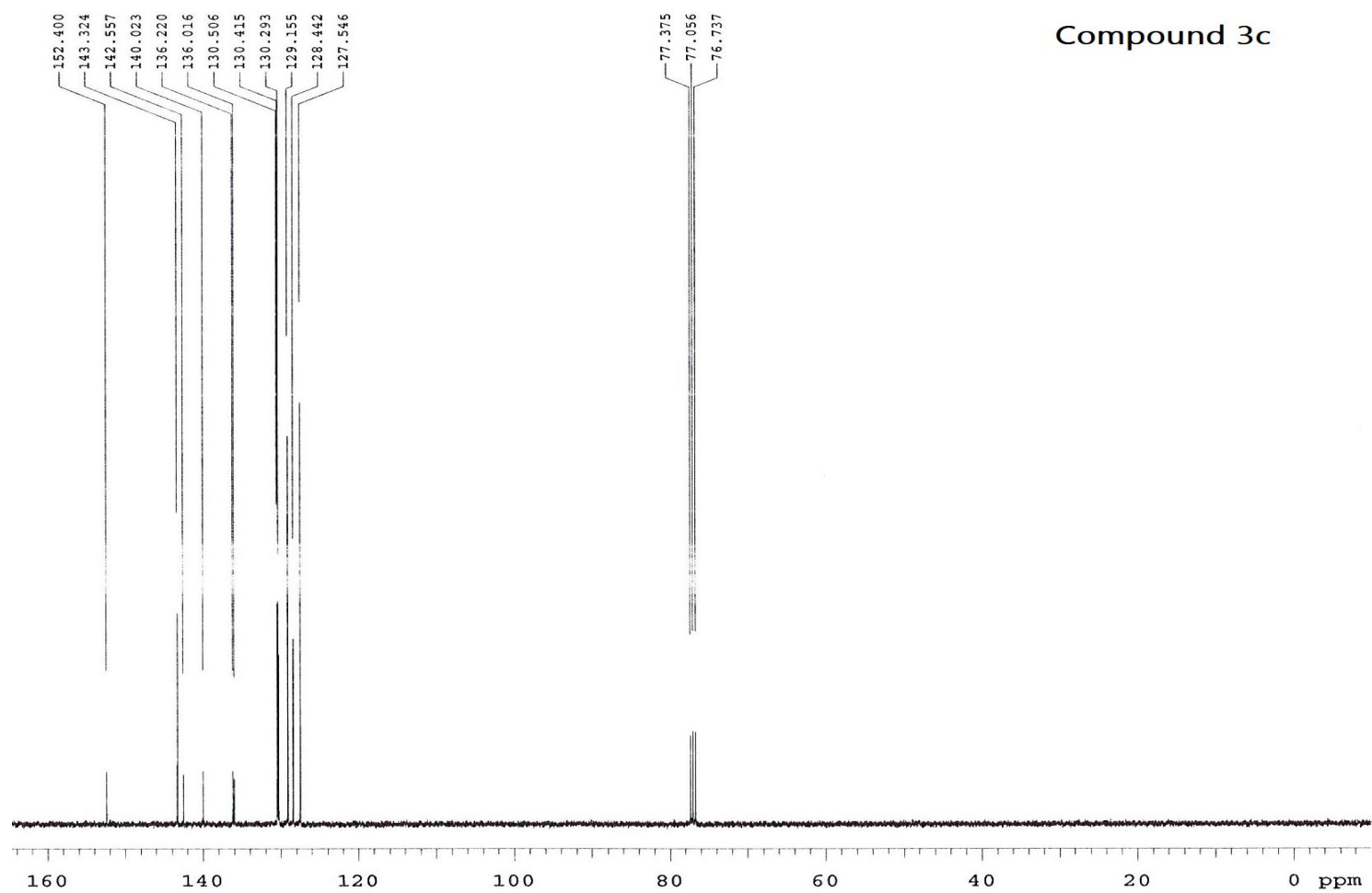


Figure S8: ¹³C NMR Spectrum of compound 3c in CDCl₃ (100 MHz)

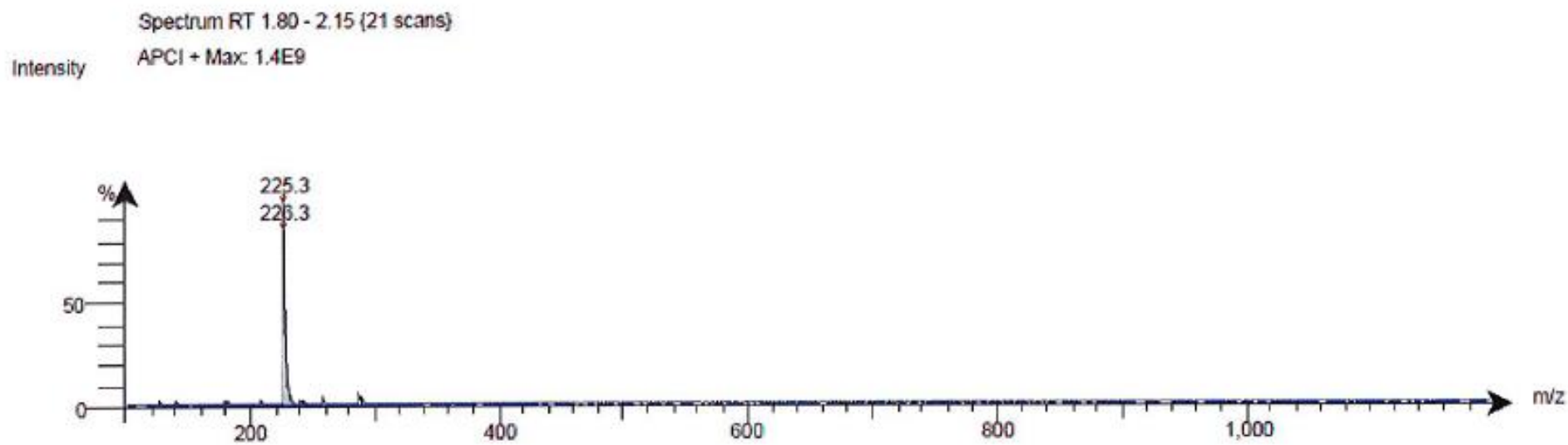


Figure S9: Mass Spectrum of compound **3c**

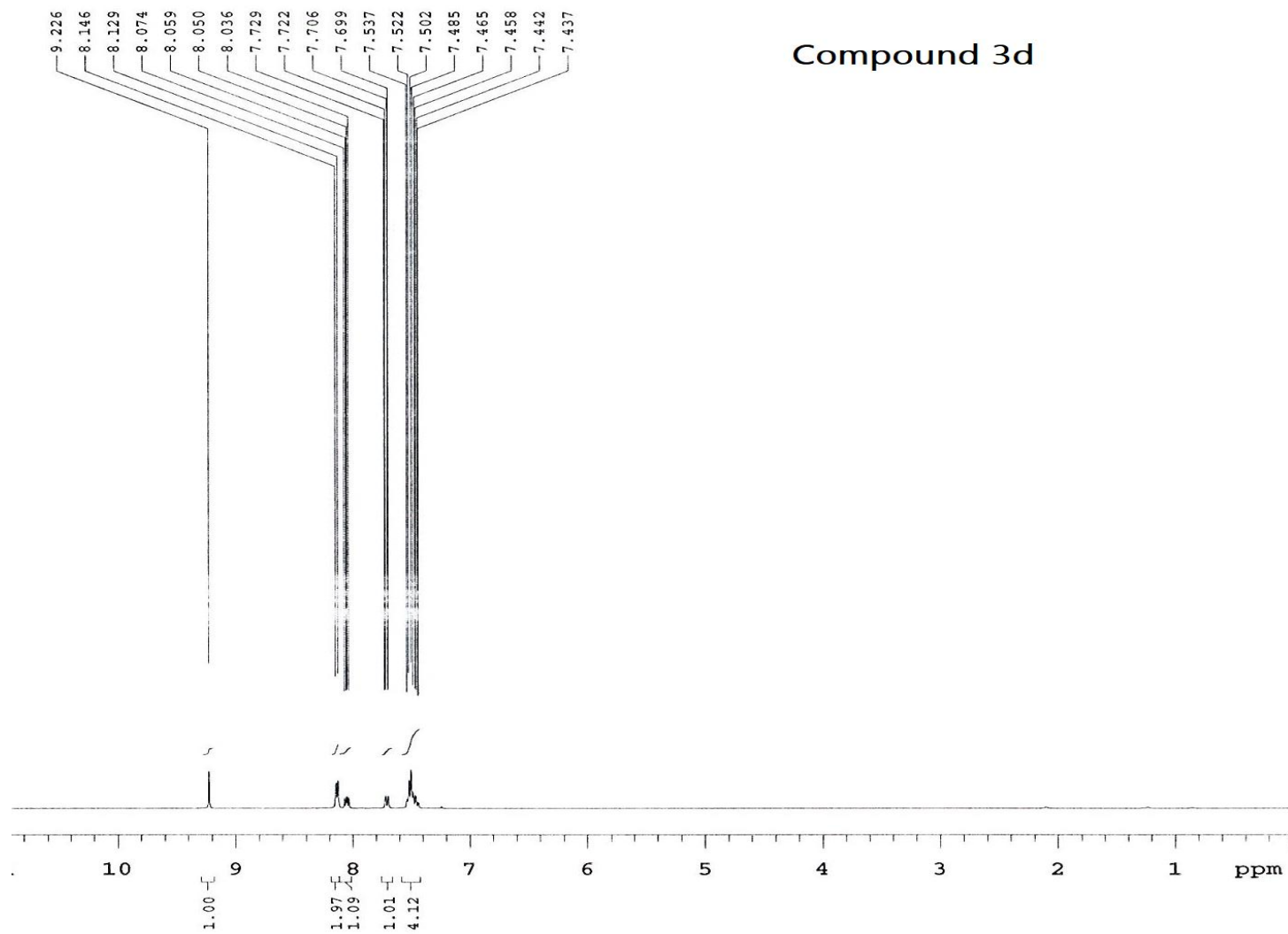


Figure S10: ¹H NMR Spectrum of compound **3d** in CDCl₃ (400 MHz)

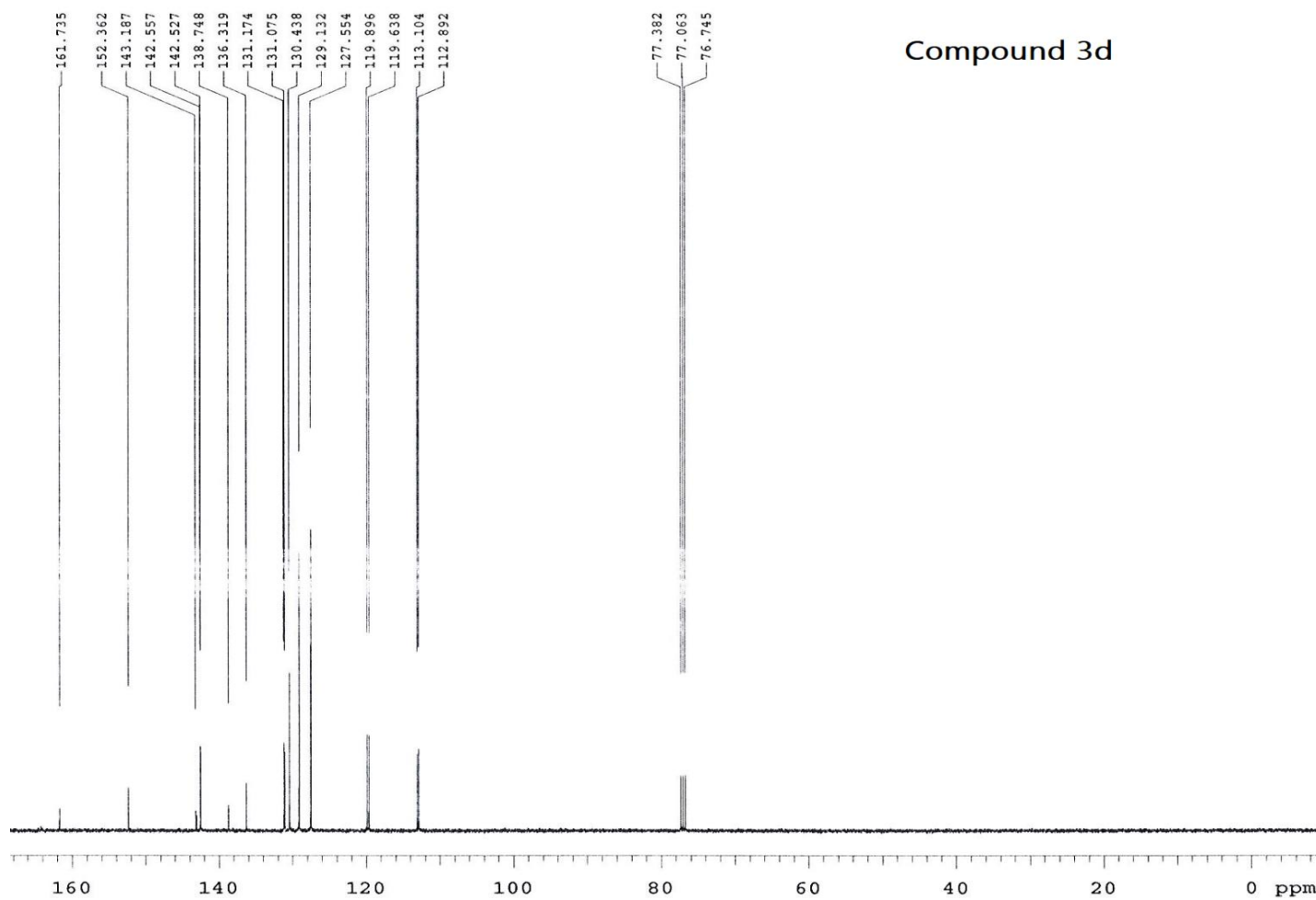


Figure S11: ^{13}C NMR Spectrum of compound **3d** in CDCl_3 (100 MHz)

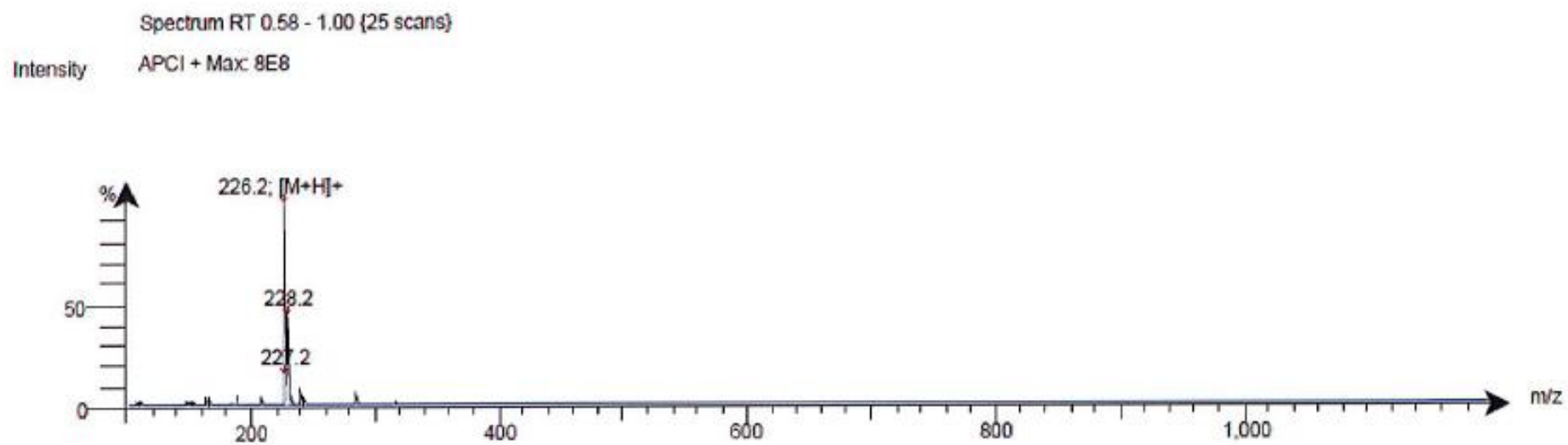


Figure S12: Mass Spectrum of compound **3d**

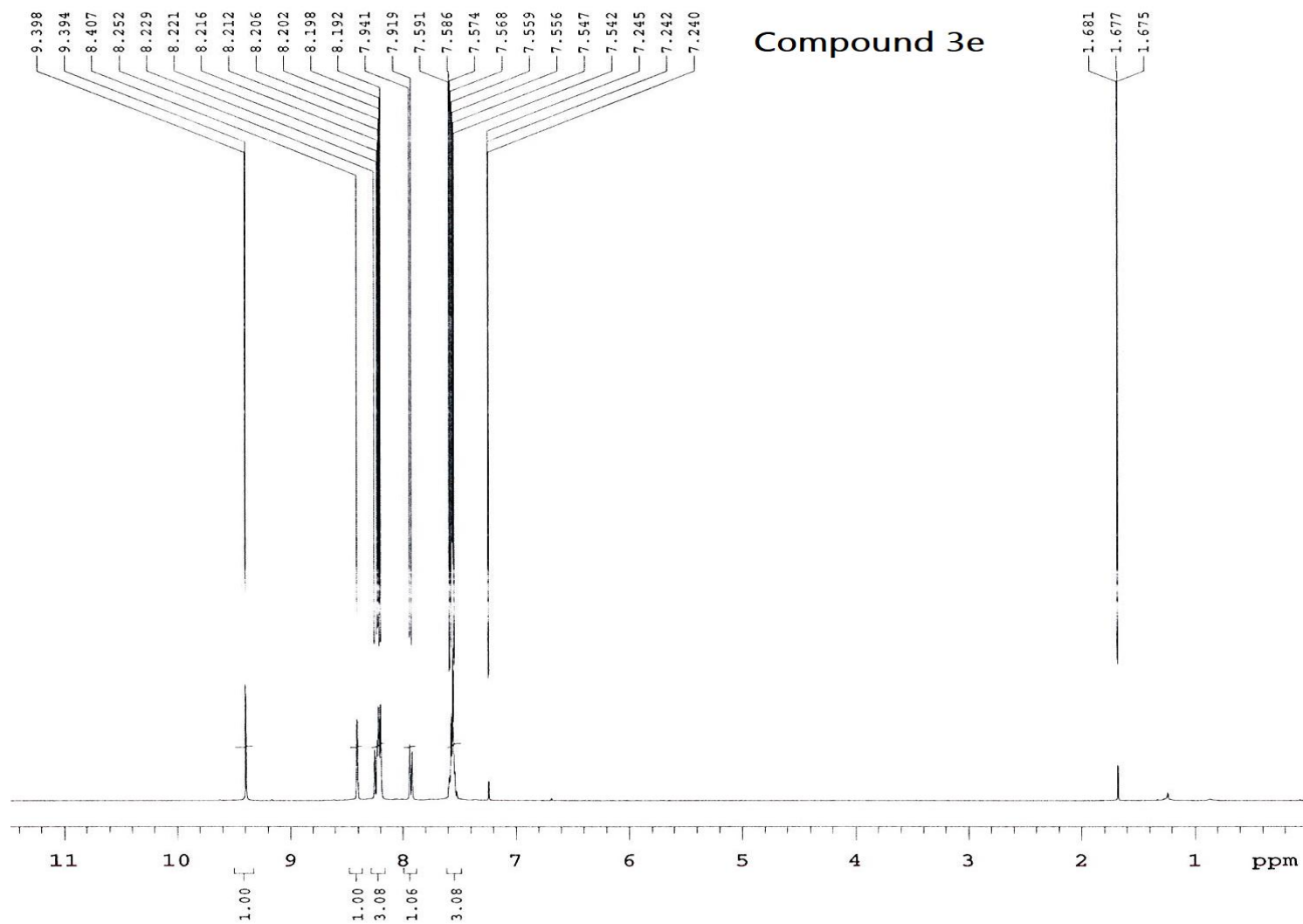


Figure S13: ^1H NMR Spectrum of compound **3e** in CDCl_3 (400 MHz)

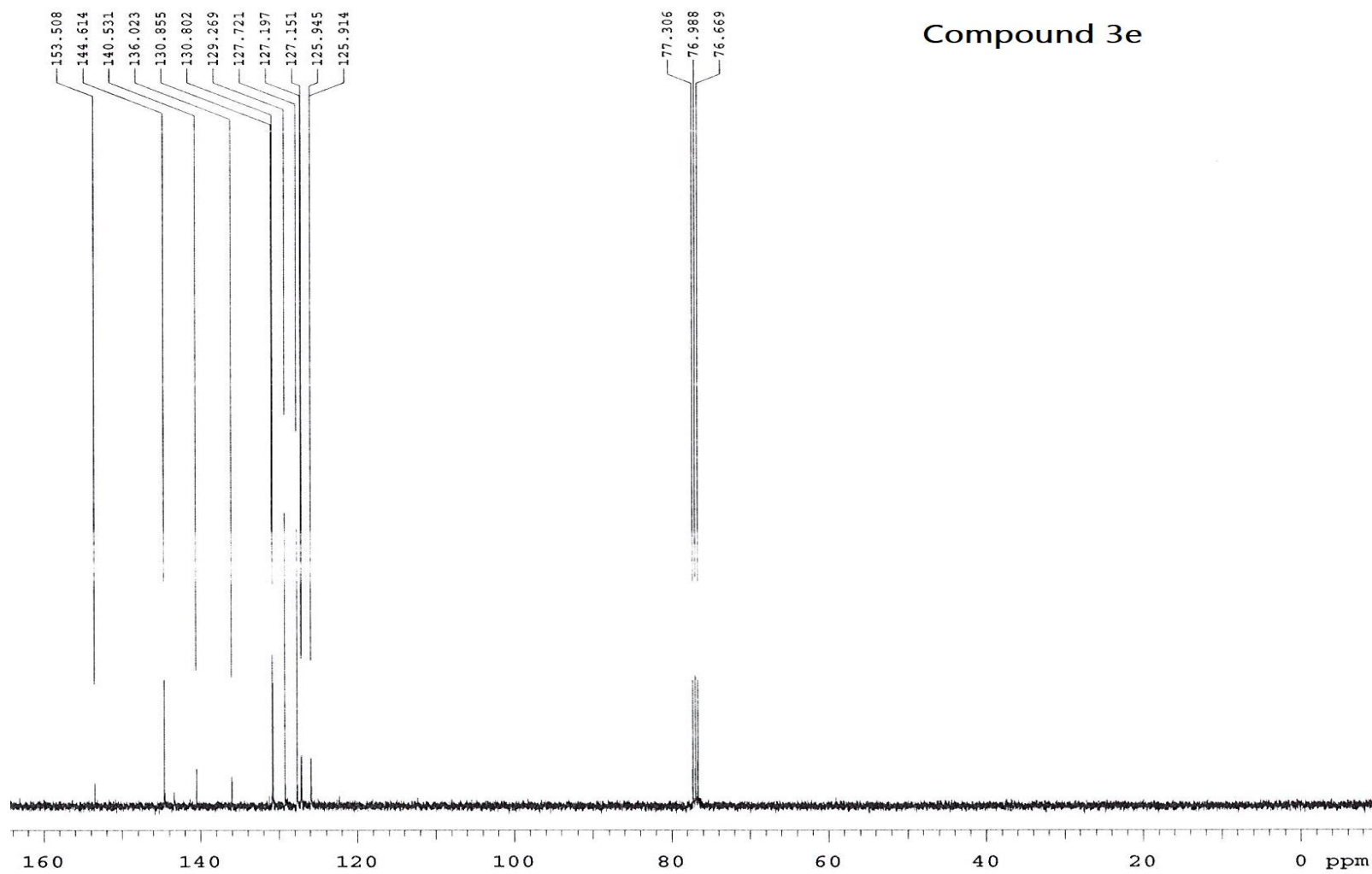


Figure S14: ^{13}C NMR Spectrum of compound 3e in CDCl_3 (100 MHz)

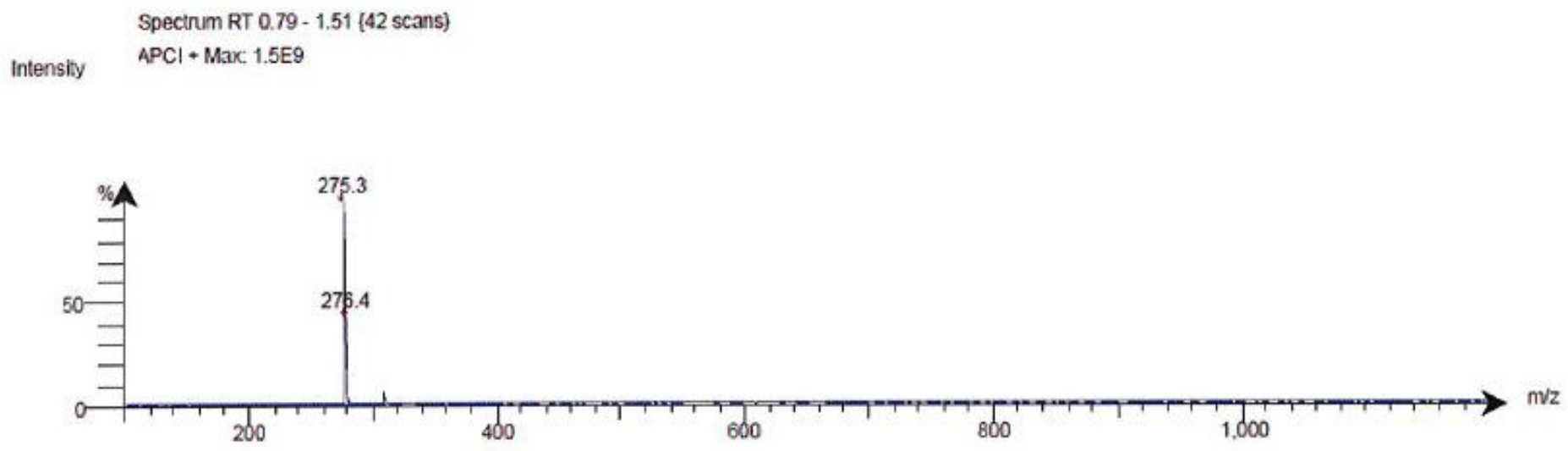


Figure S15: Mass Spectrum of compound **3e**

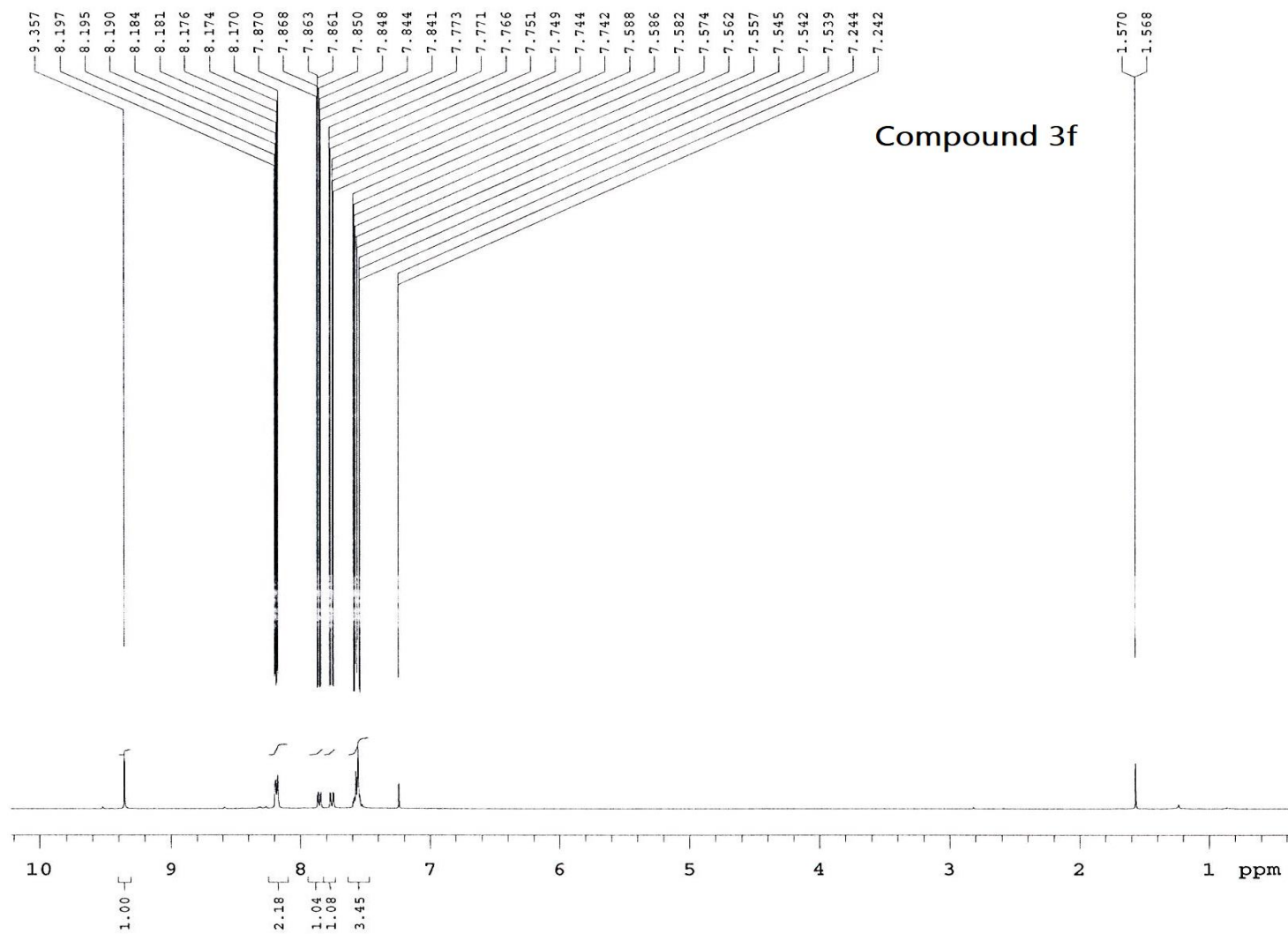


Figure S16: ^1H NMR Spectrum of compound **3f** in CDCl_3 (400 MHz)

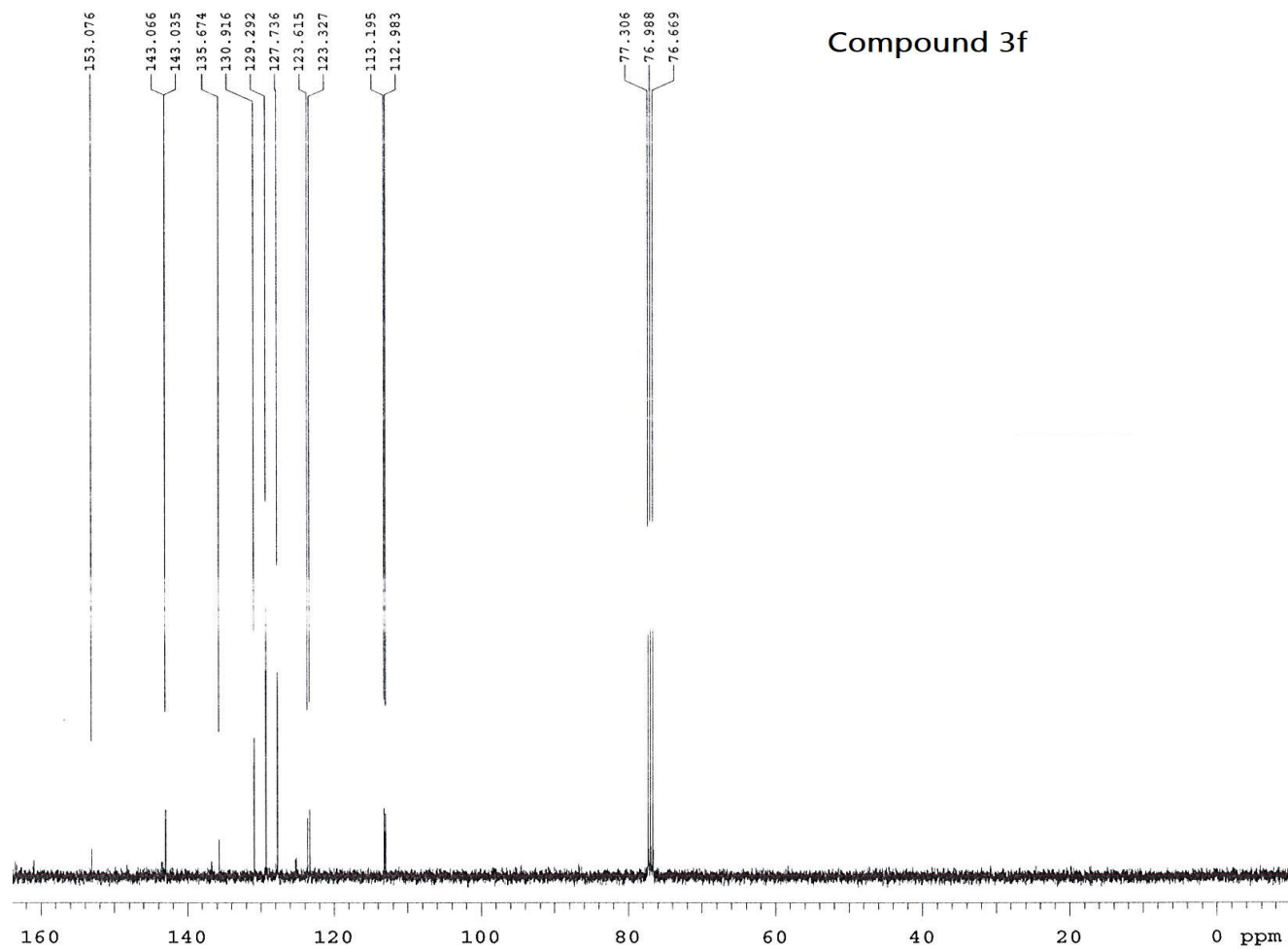


Figure S17: ^{13}C NMR Spectrum of compound **3f** in CDCl_3 (100 MHz)

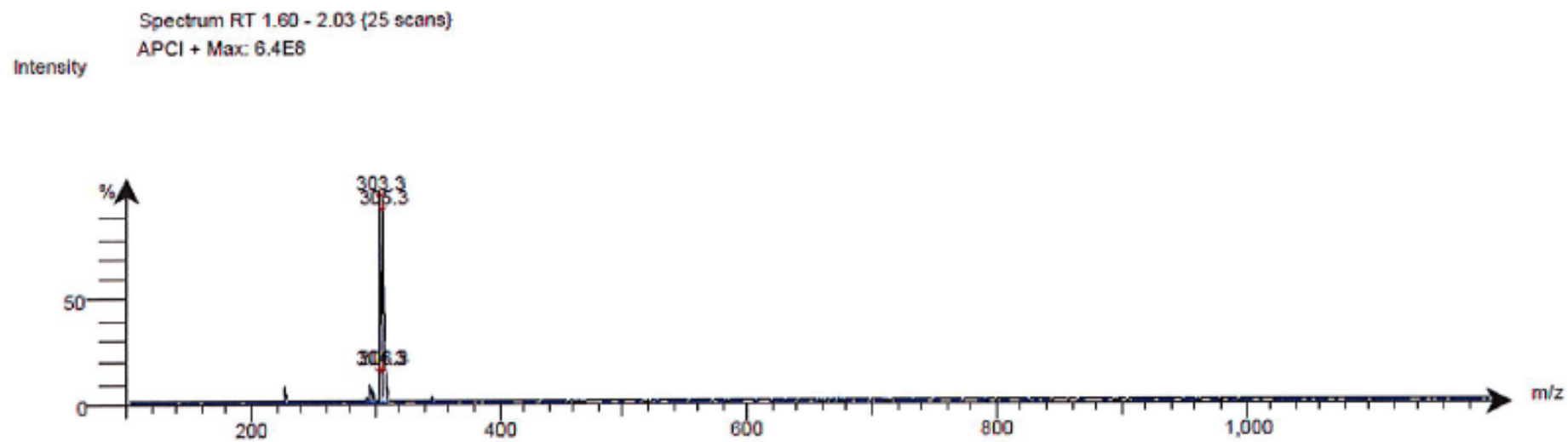


Figure S18: Mass Spectrum of compound **3f**

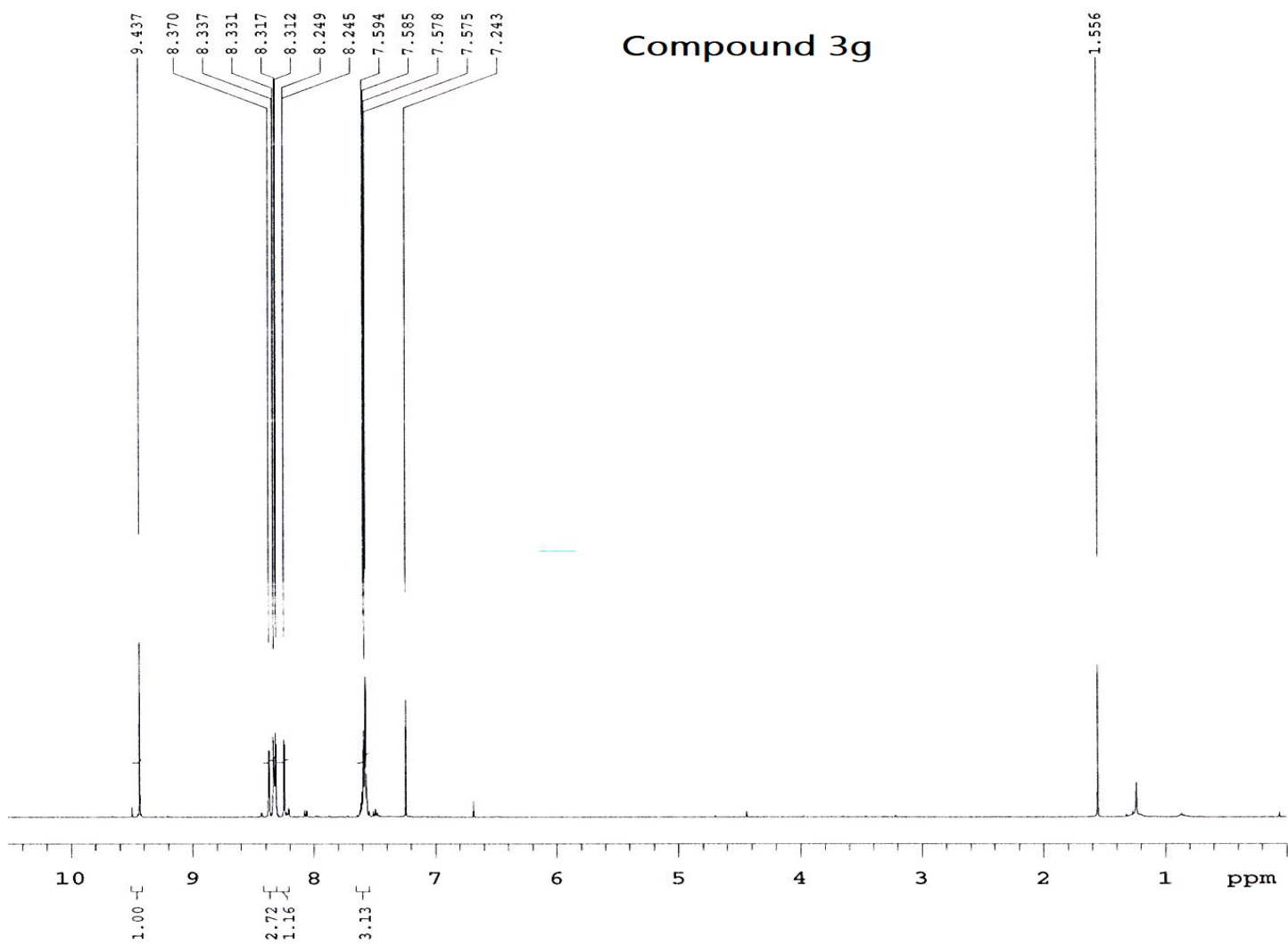


Figure S19: ^1H NMR Spectrum of compound **3g** in CDCl_3 (400 MHz)

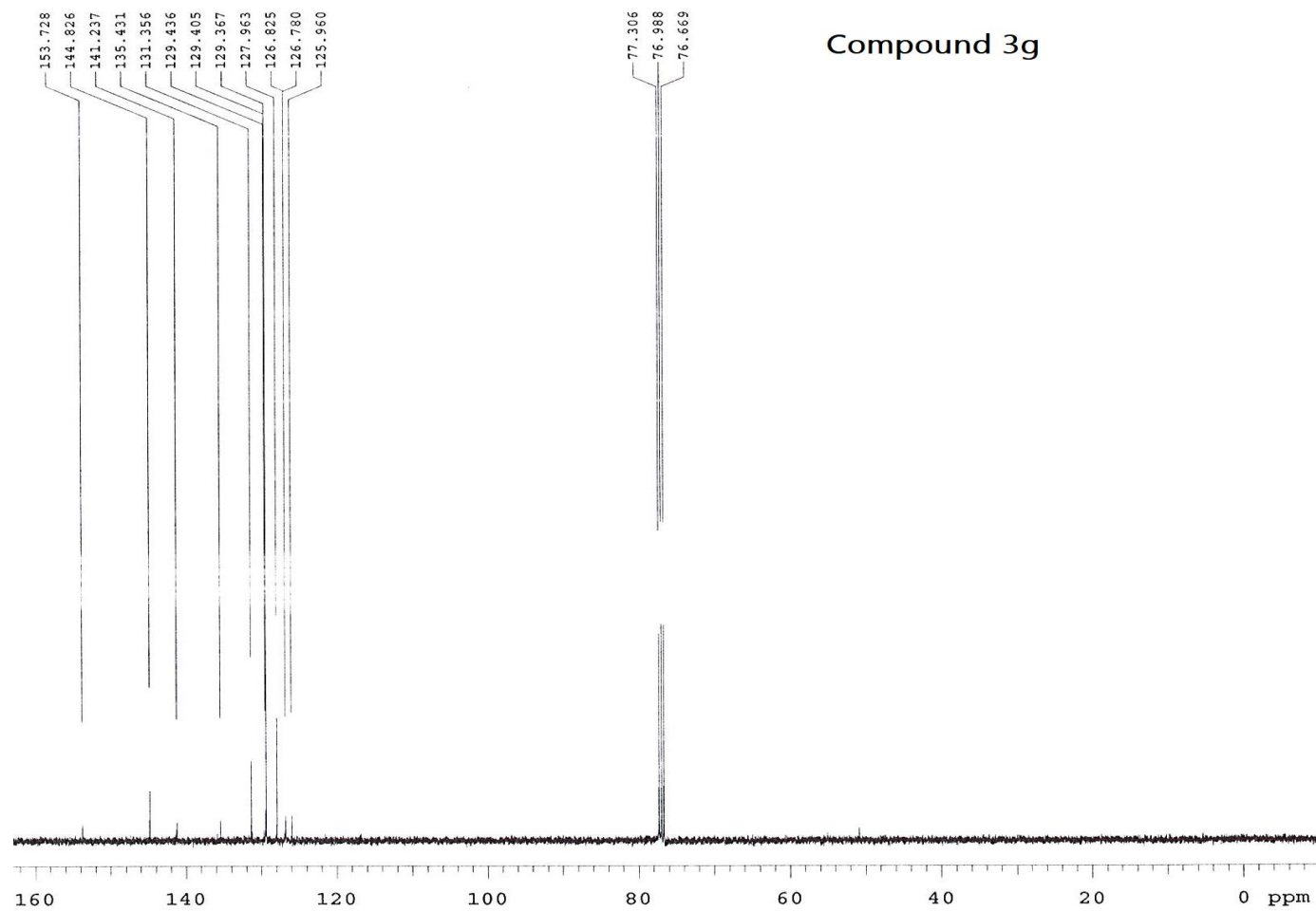


Figure S20: ^{13}C NMR Spectrum of compound **3g** in CDCl_3 (100 MHz)

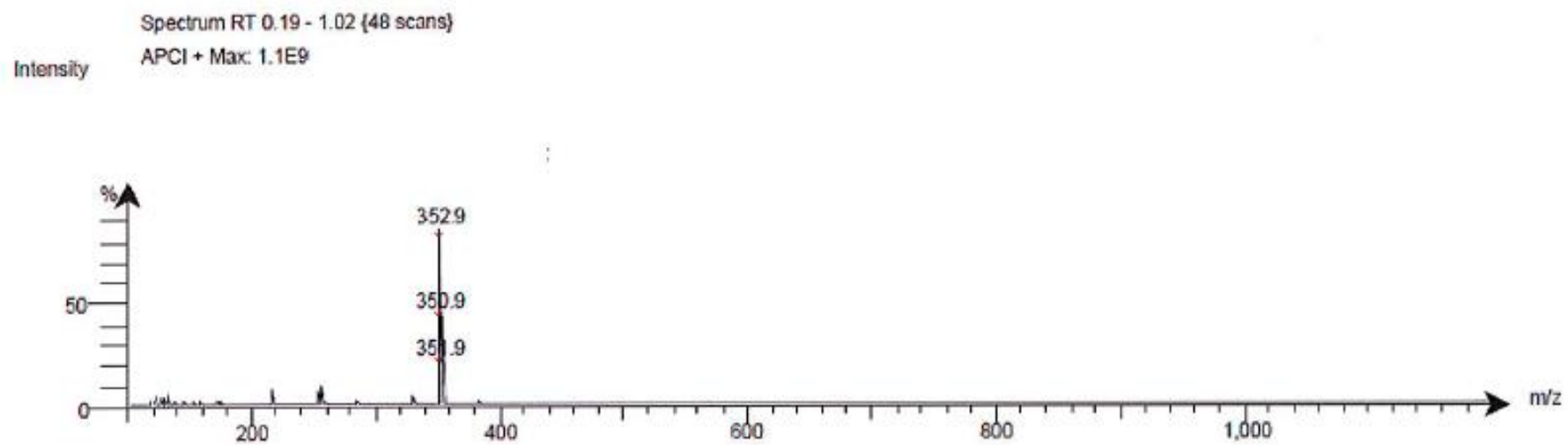


Figure S21: Mass Spectrum of compound **3g**

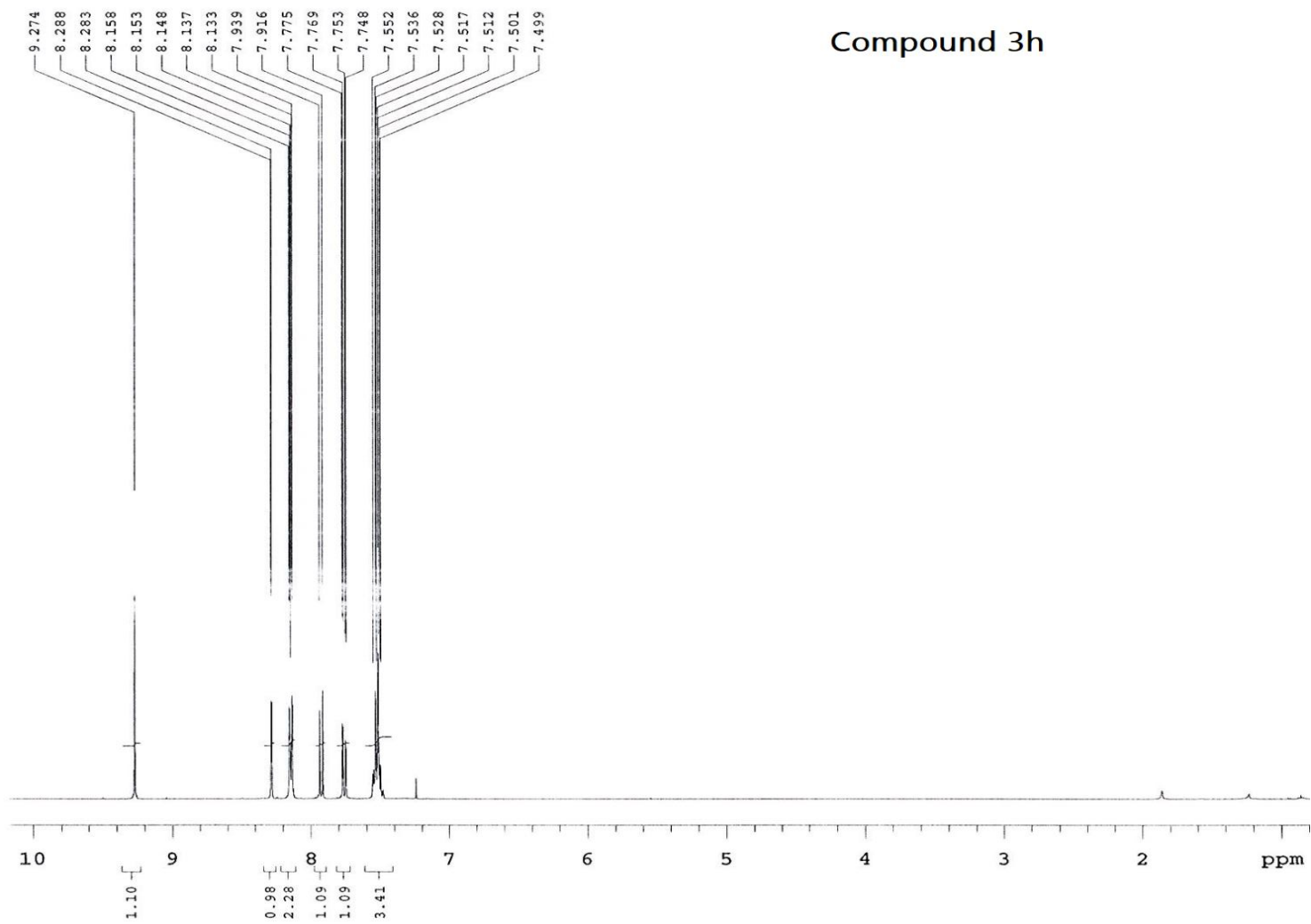


Figure S22: ^1H NMR Spectrum of compound **3h** in CDCl_3 (100 MHz)

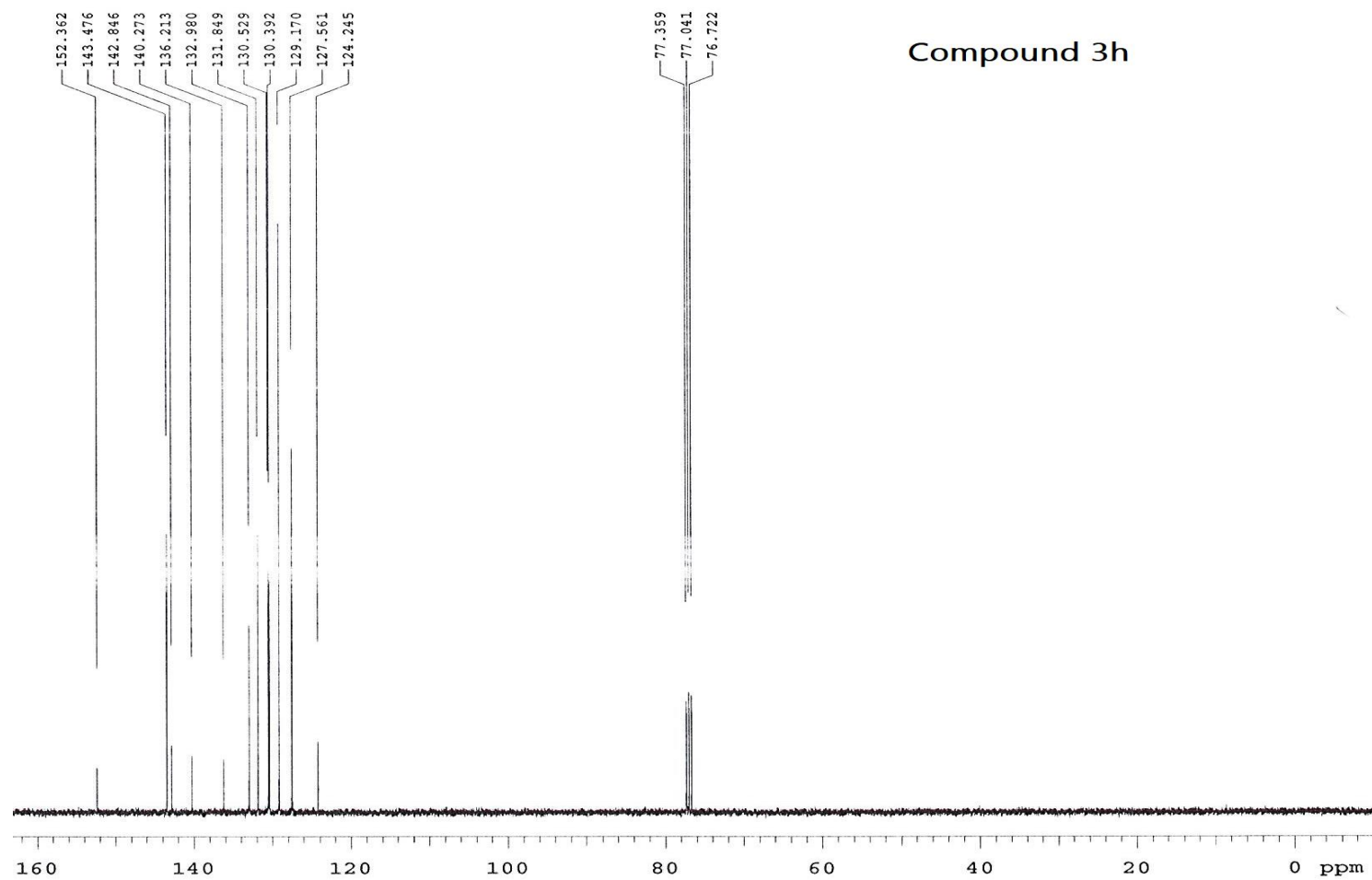


Figure S23: ^{13}C NMR Spectrum of compound **3h** in CDCl_3 (100 MHz)

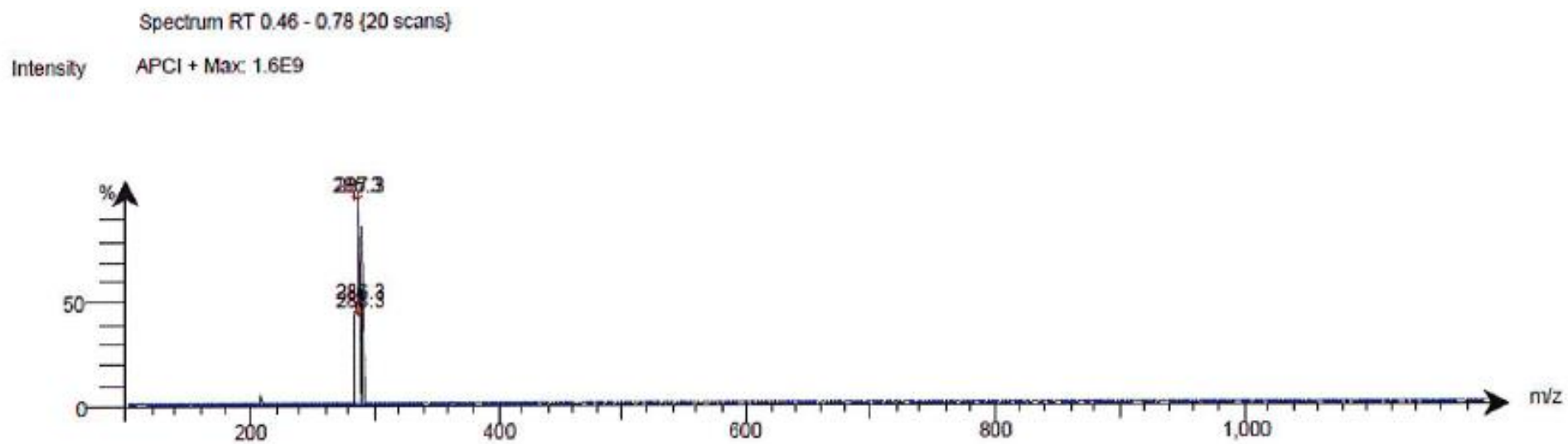


Figure S24: Mass Spectrum of compound **3h**

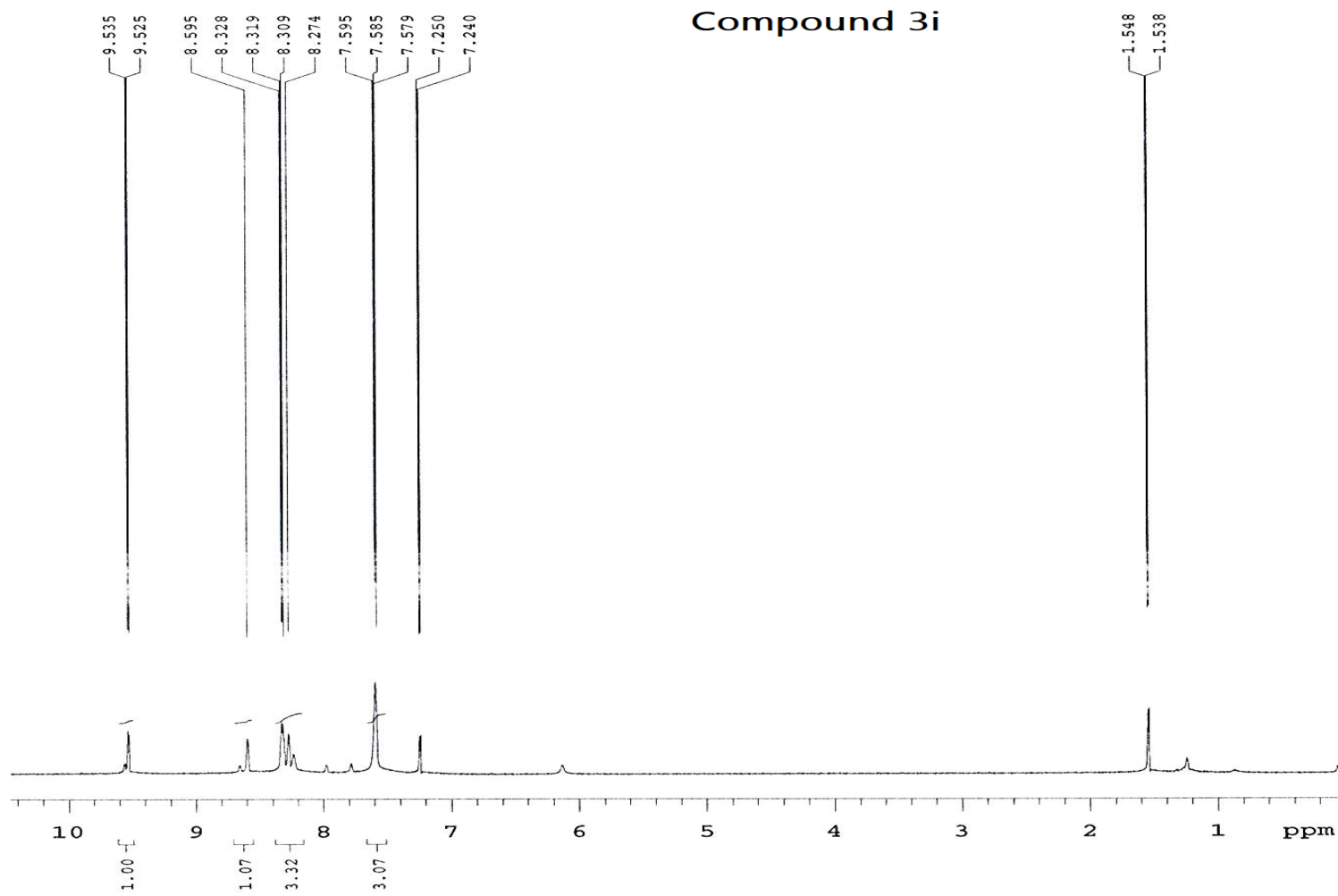


Figure S25: ¹H NMR Spectrum of compound **3I** in CDCl₃ (400 MHz)

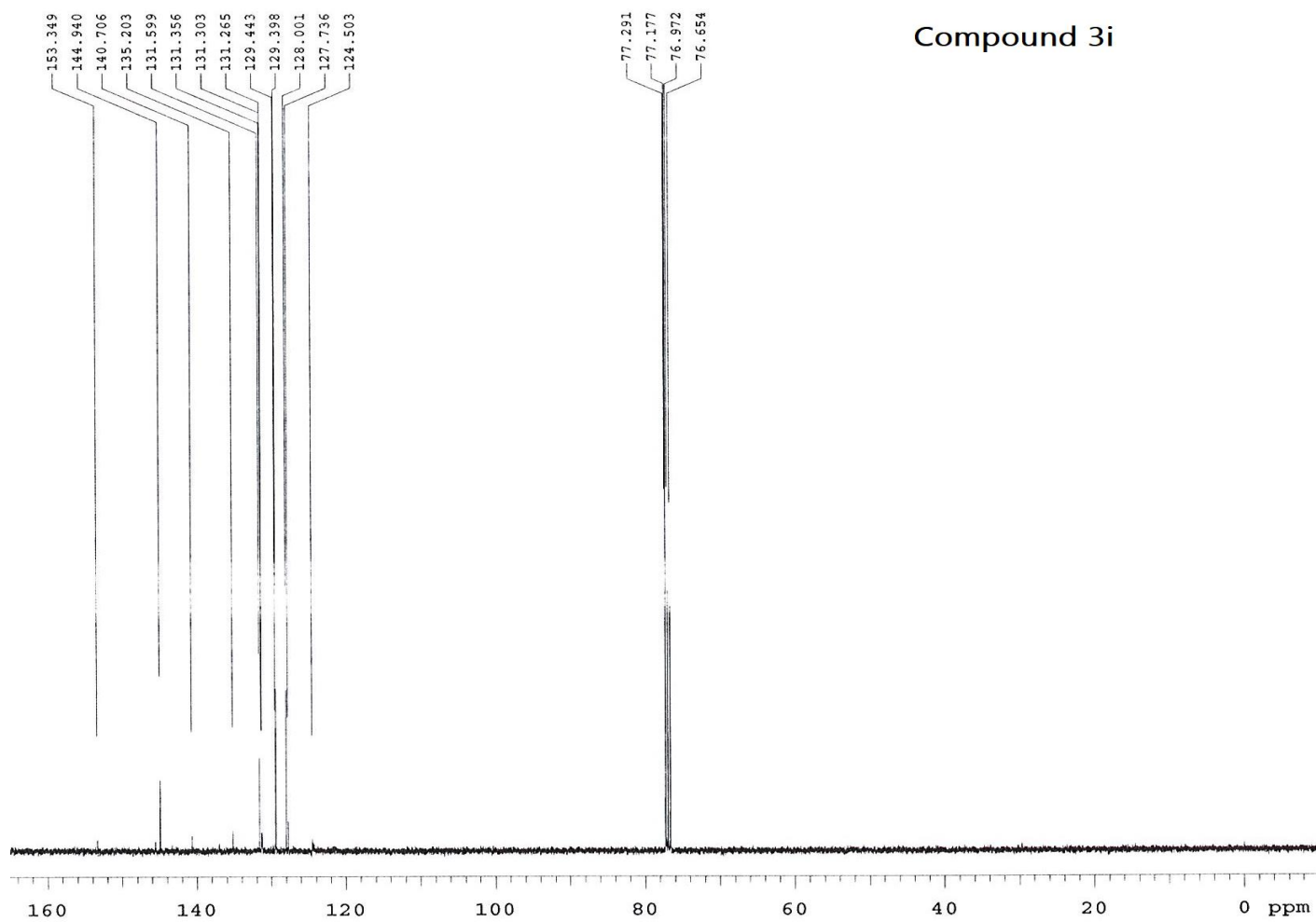


Figure S26: ^{13}C NMR Spectrum of compound 3i in CDCl_3 (100 MHz)

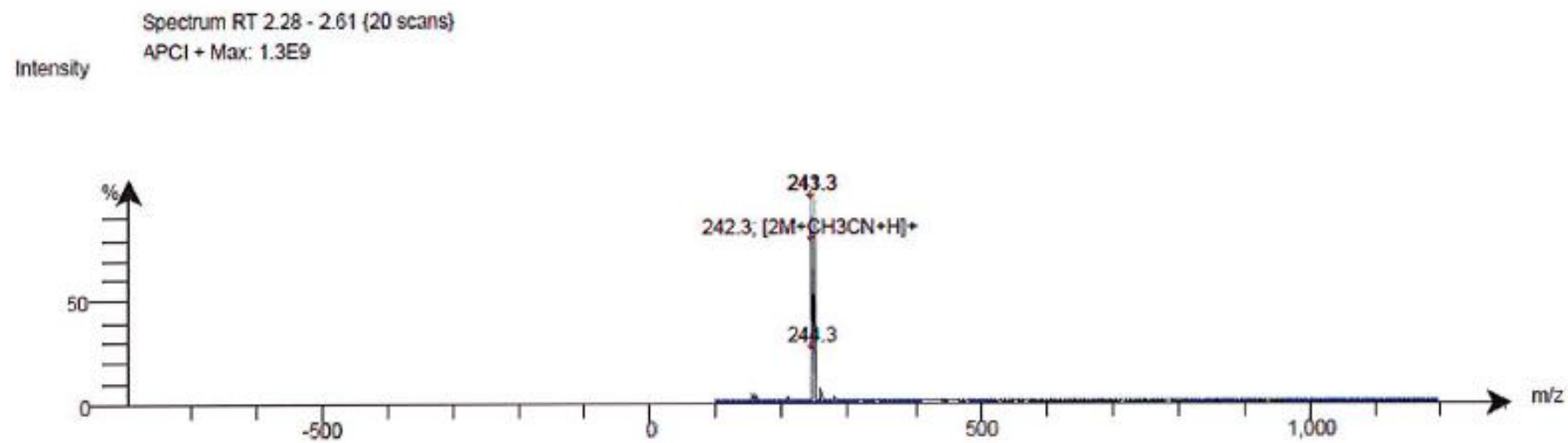


Figure S27: Mass Spectrum of compound **3i**

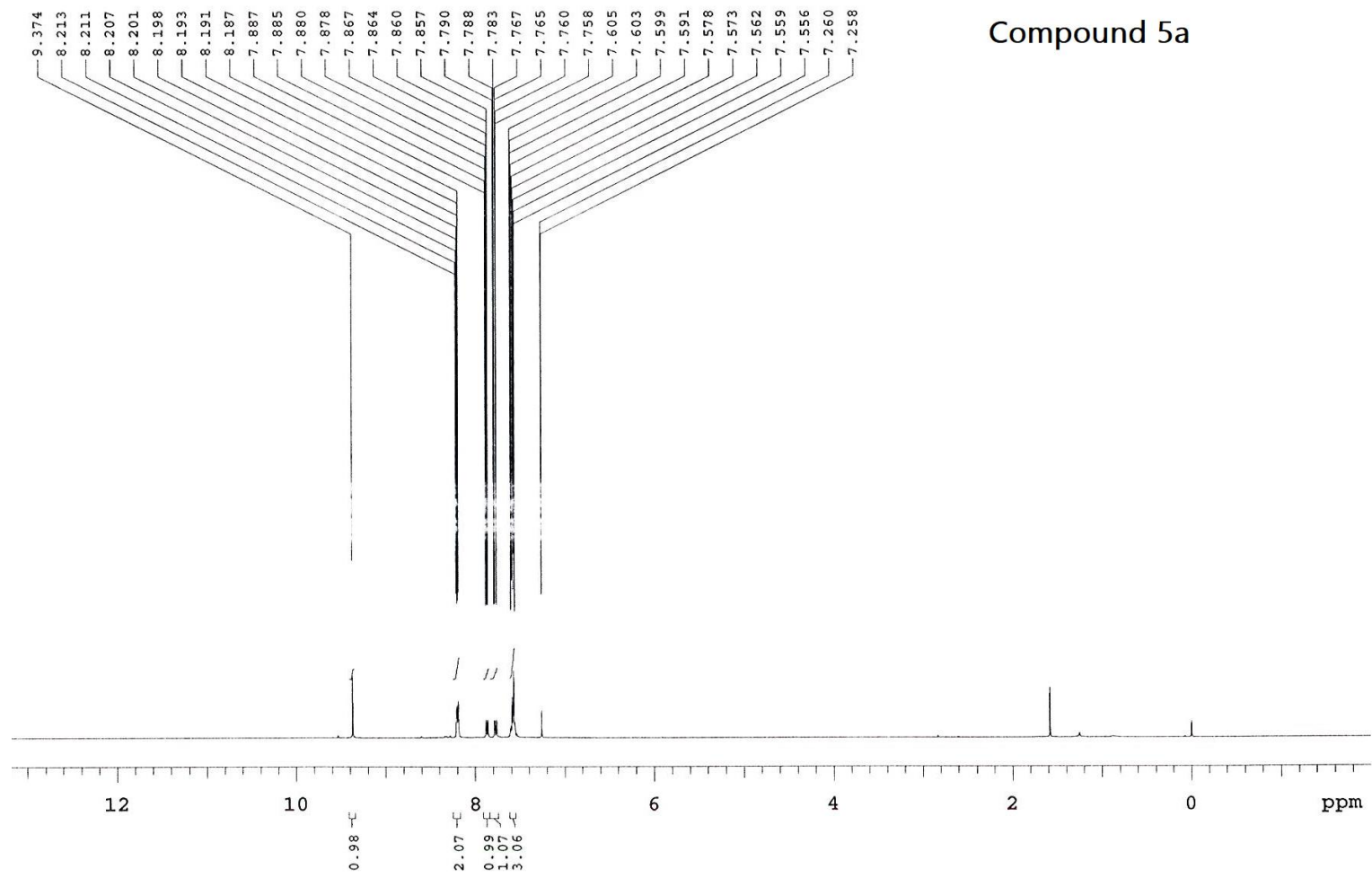


Figure S28: ^1H NMR Spectrum of compound 5a in CDCl_3 (400 MHz)

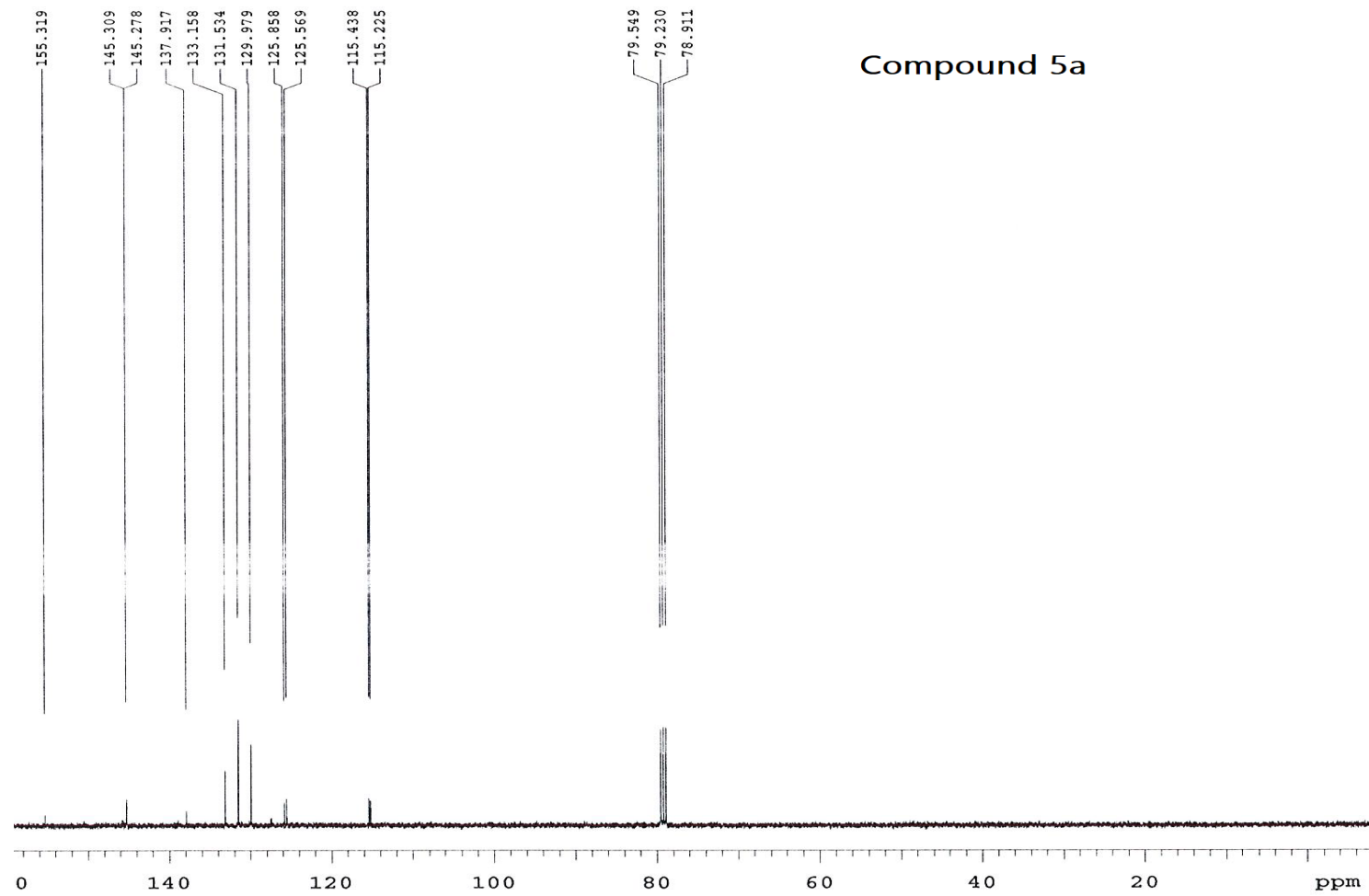


Figure S29: ^{13}C NMR Spectrum of compound **5a** in CDCl_3 (100 MHz)

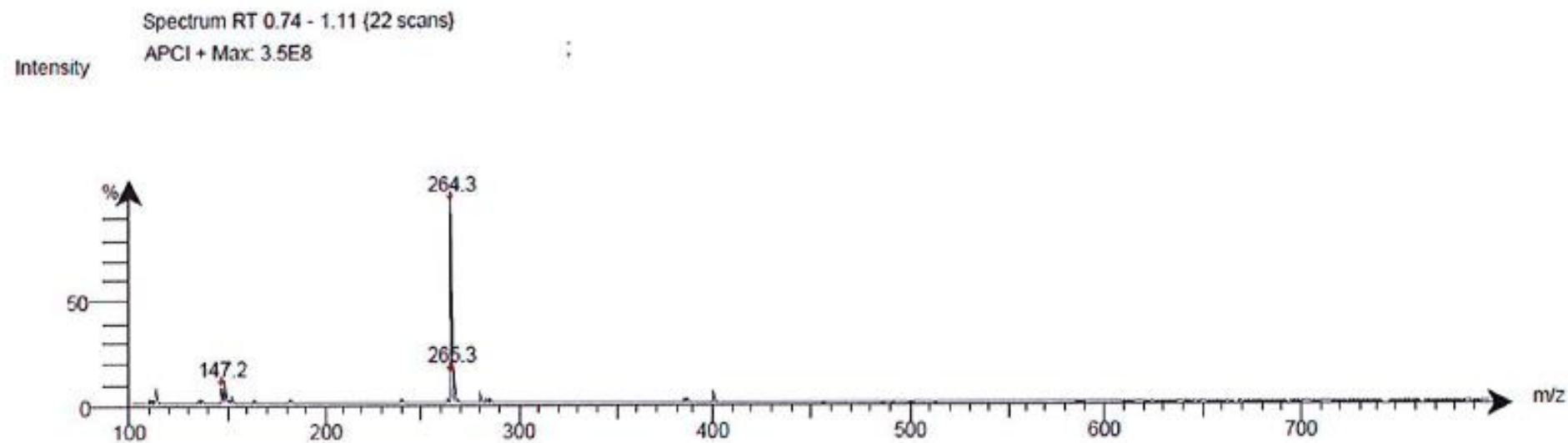


Figure S30: Mass Spectrum of compound **5a**

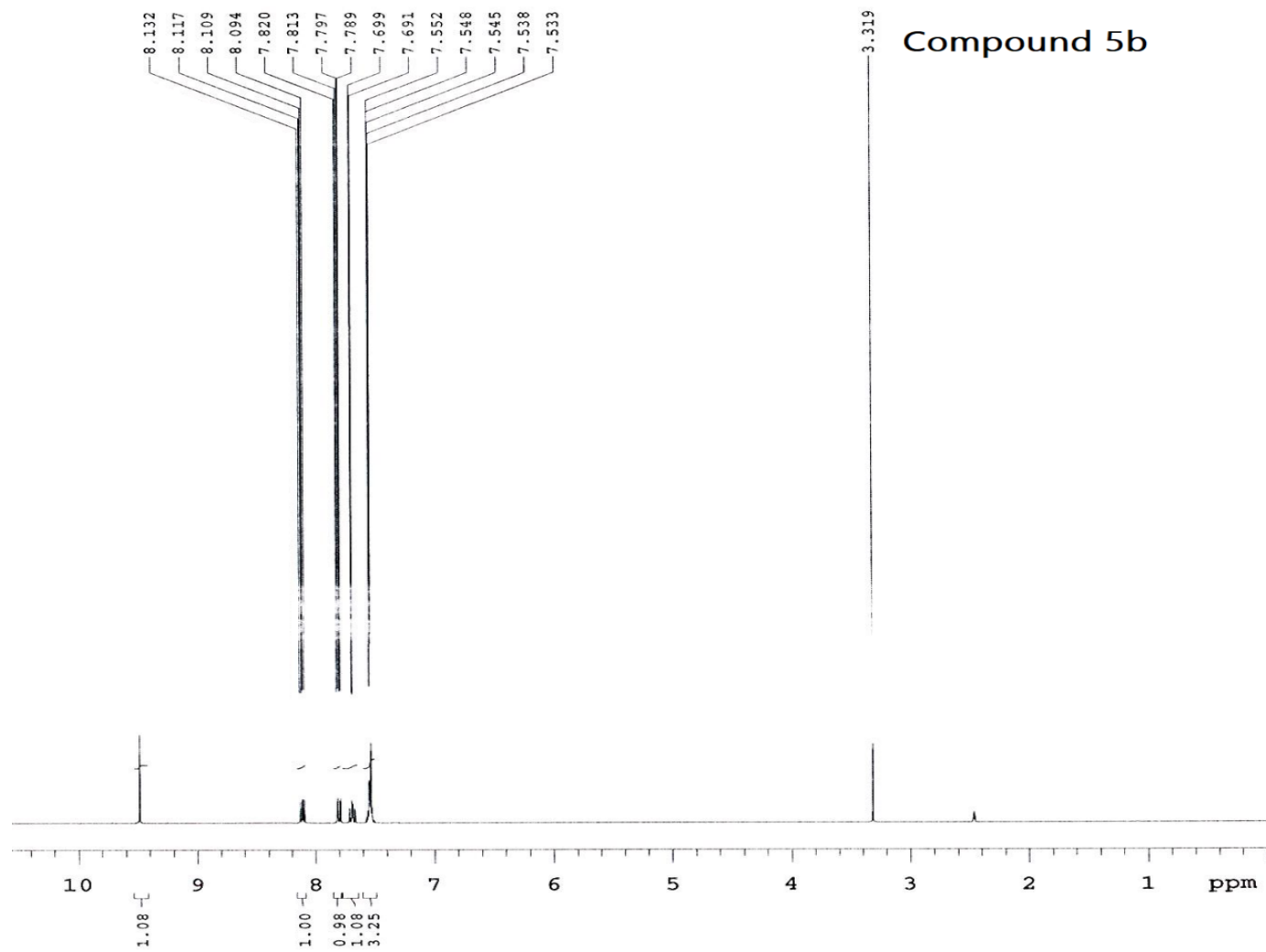


Figure S31: ^1H NMR Spectrum of compound **5b** in DMSO-d_6 (400 MHz)

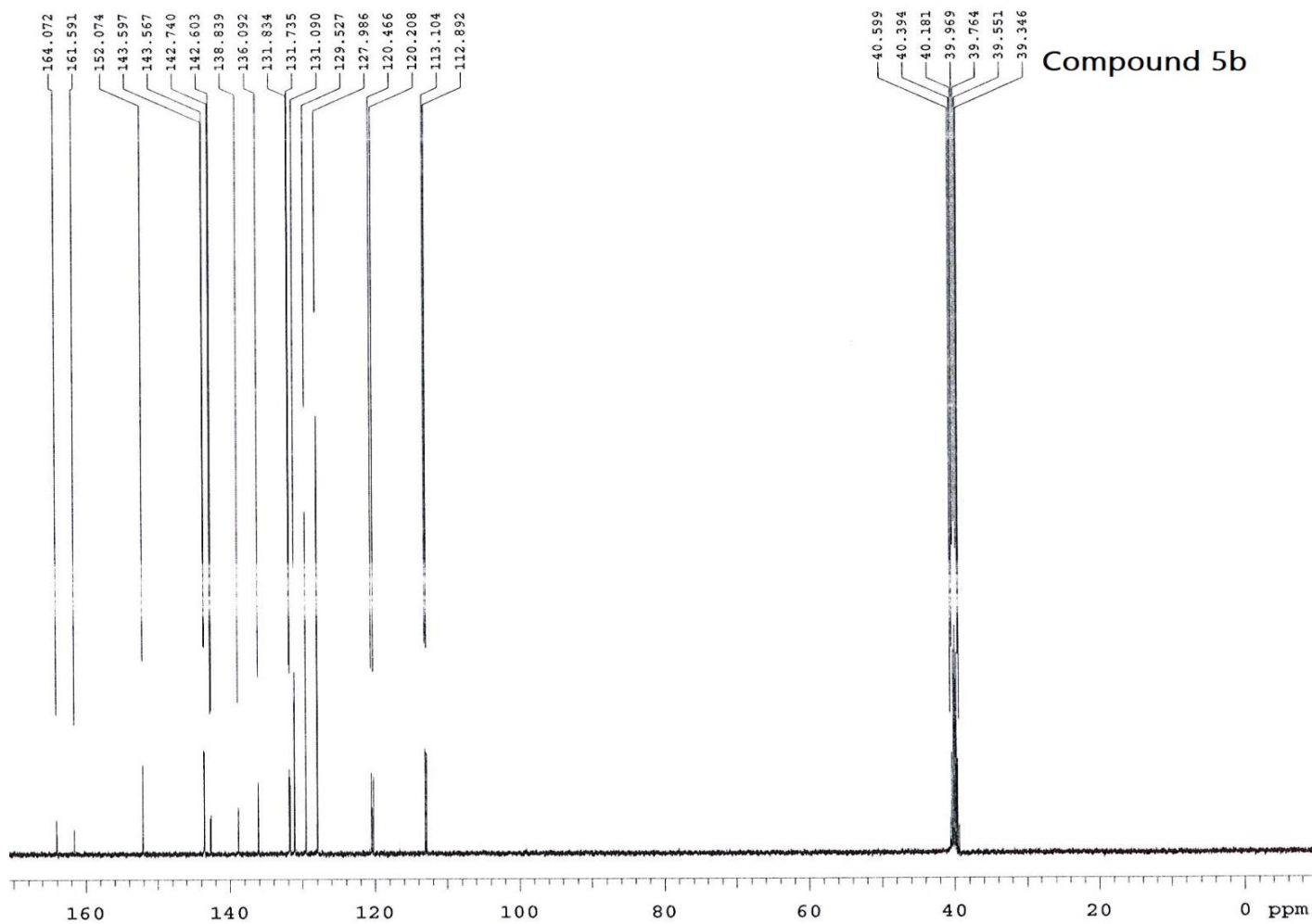


Figure S32: ^{13}C NMR Spectrum of compound **5b** in DMSO-d_6 (100 MHz)

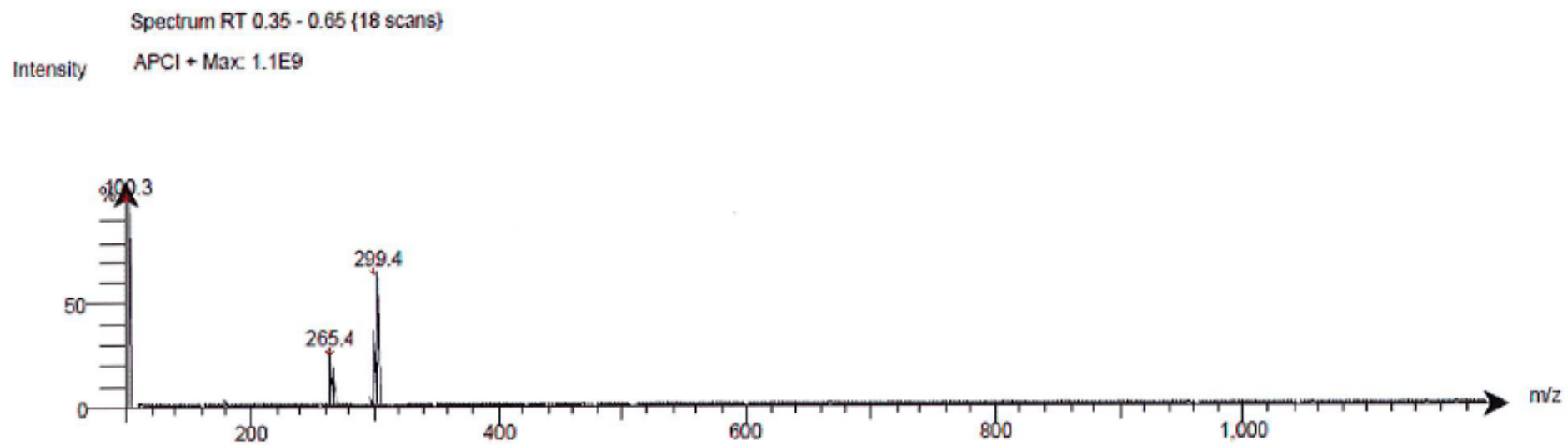


Figure S33: Mass Spectrum of compound **5b**

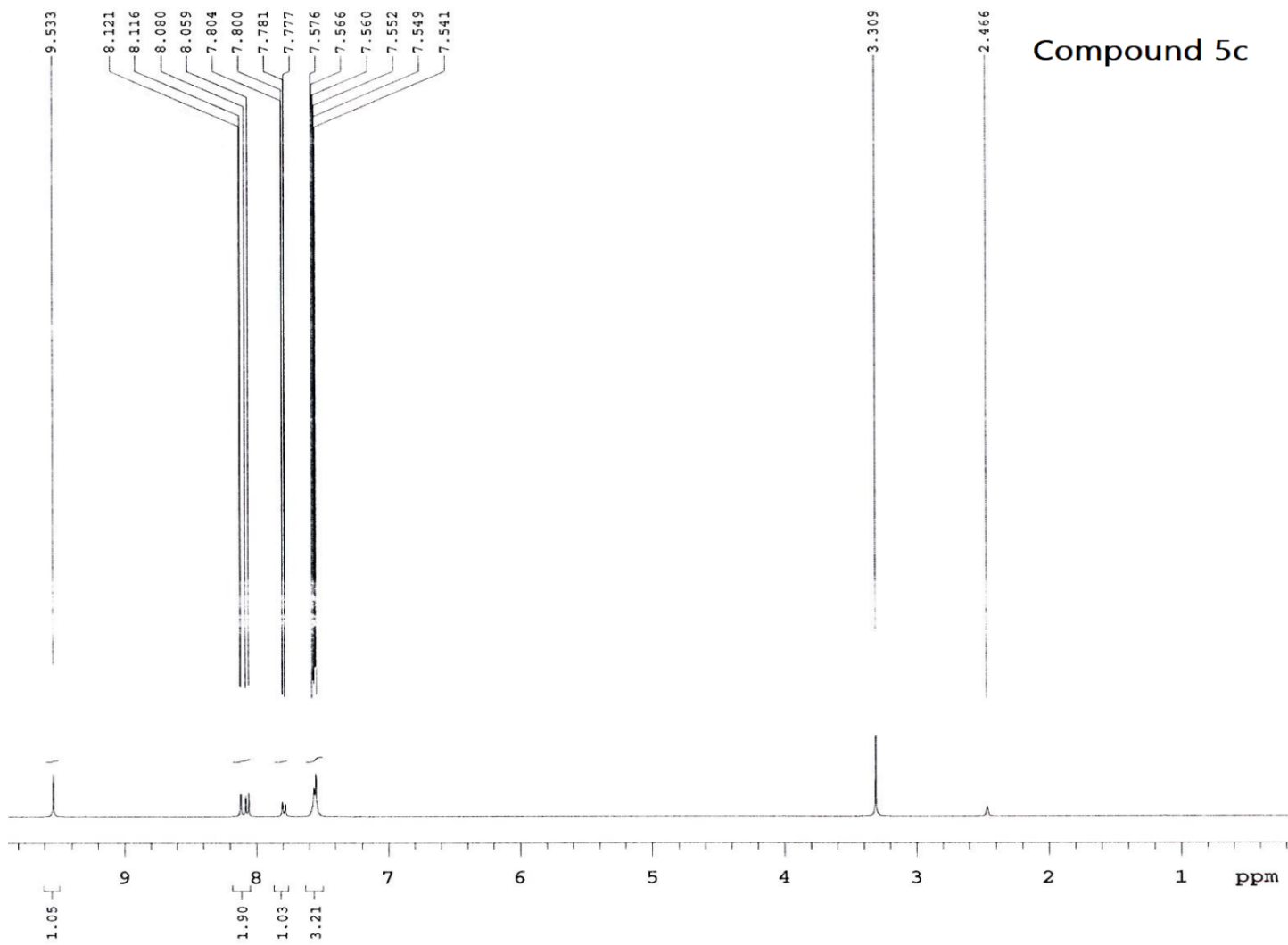


Figure S34: ^1H NMR Spectrum of compound **5c** in DMSO-d_6 (400 MHz)

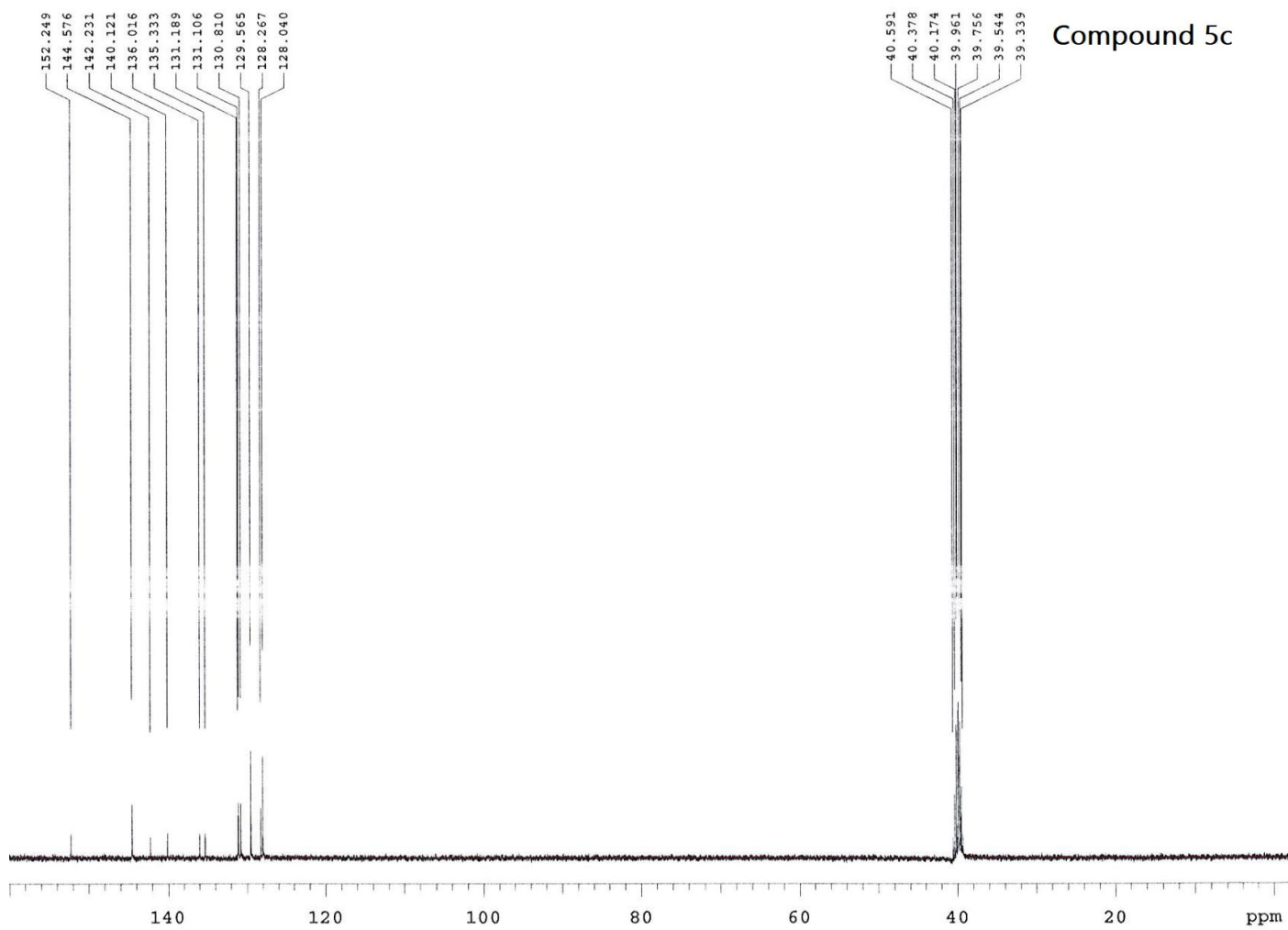


Figure S35: ^{13}C NMR Spectrum of compound **5c** in DMSO-d_6 (100 MHz)

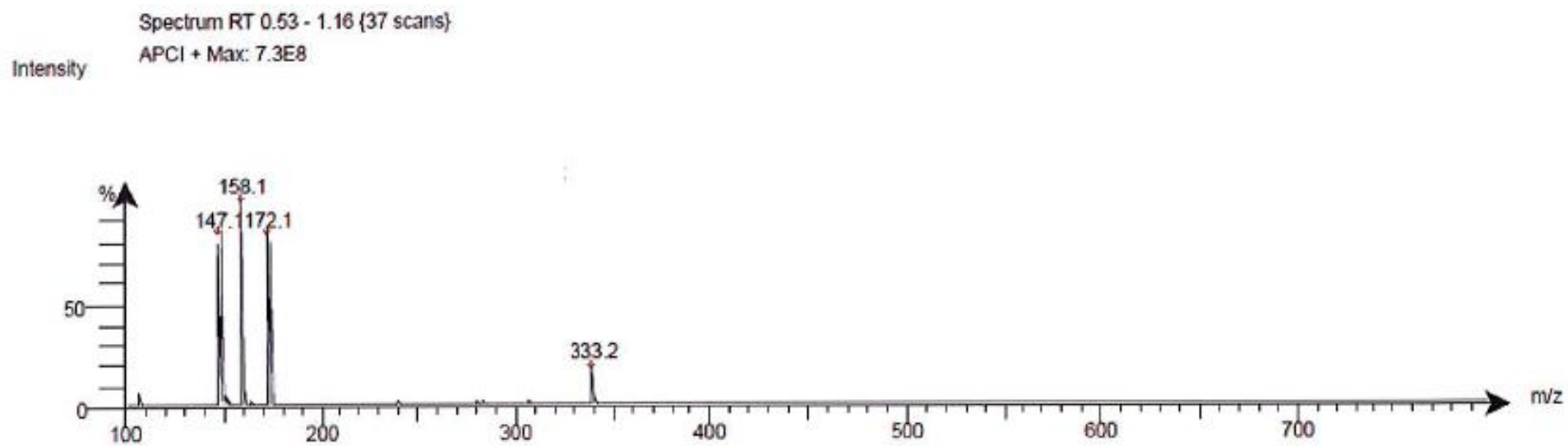


Figure S36: Mass Spectrum of compound **5c**

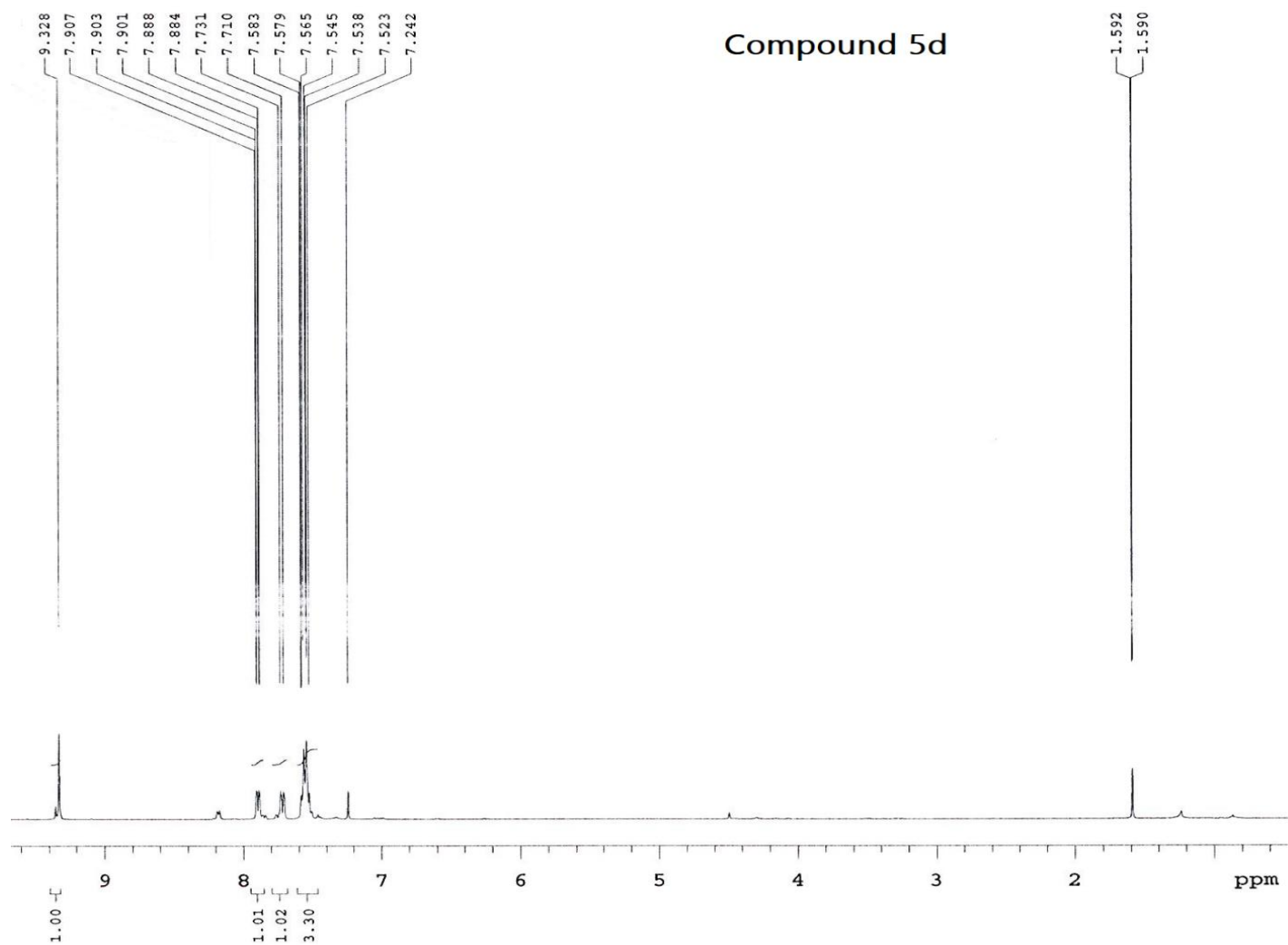


Figure S37: ^1H NMR Spectrum of compound 5d in CDCl_3 (400 MHz)

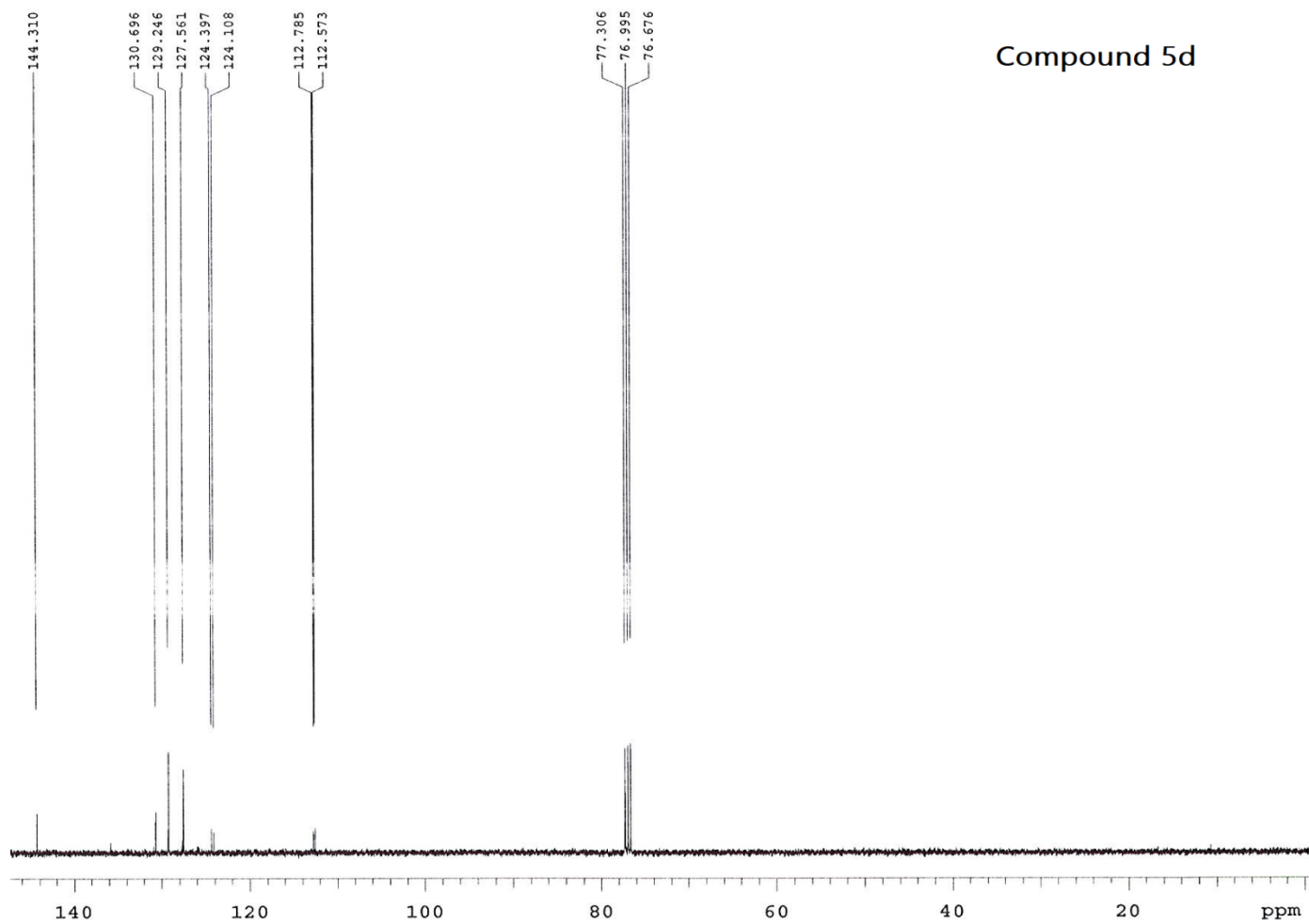


Figure S38: ^{13}C NMR Spectrum of compound **5d** in CDCl_3 (100 MHz)

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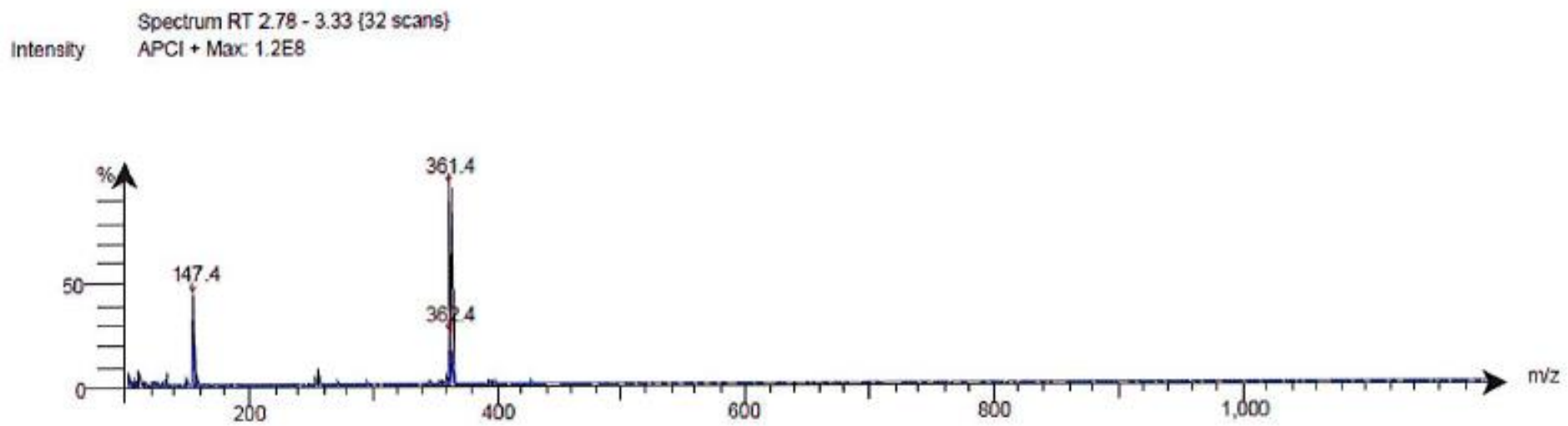


Figure S39: Mass Spectrum of compound **5d**

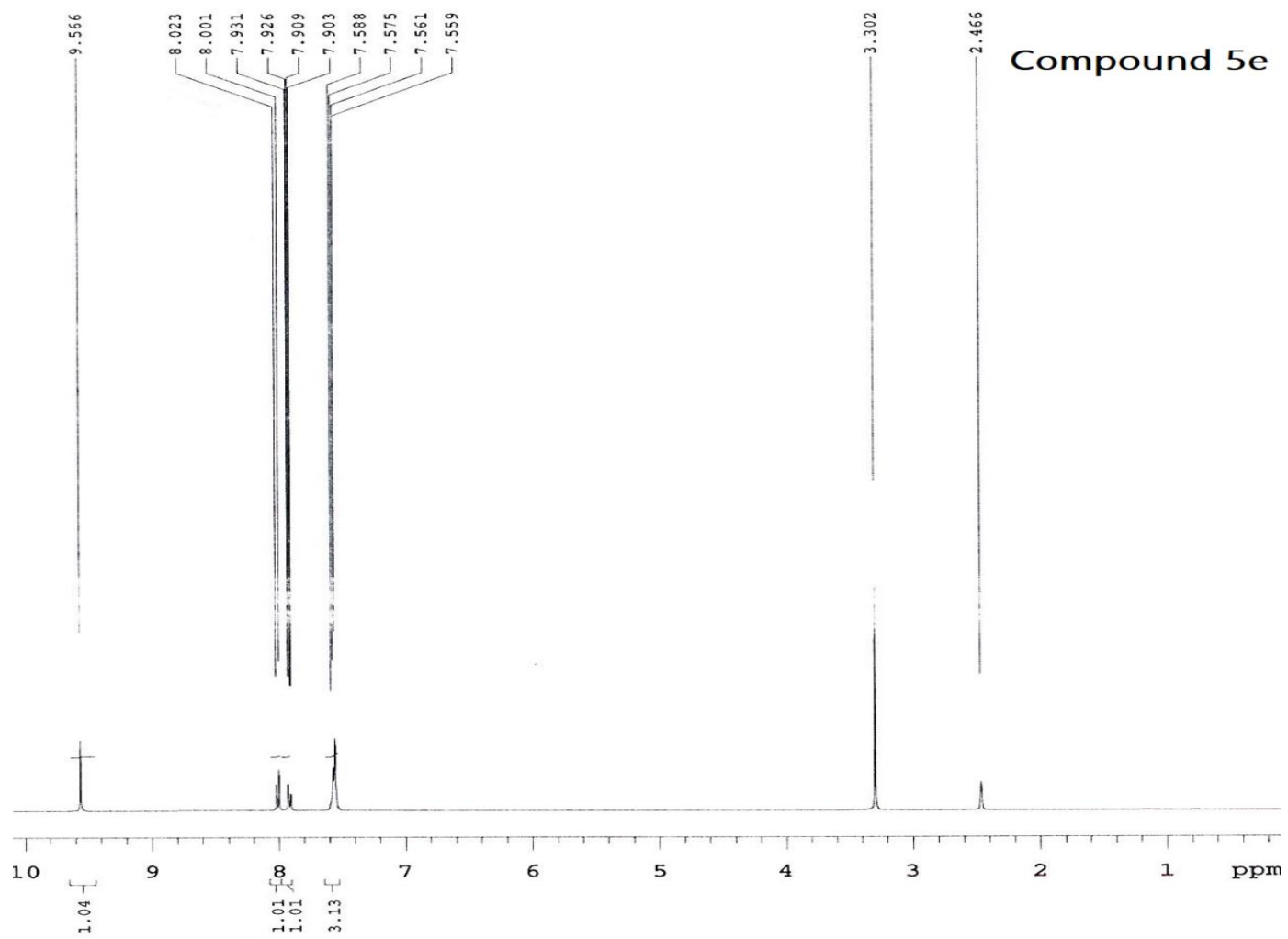


Figure S40: ^1H NMR Spectrum of compound **5e** in DMSO-d_6 (400 MHz)

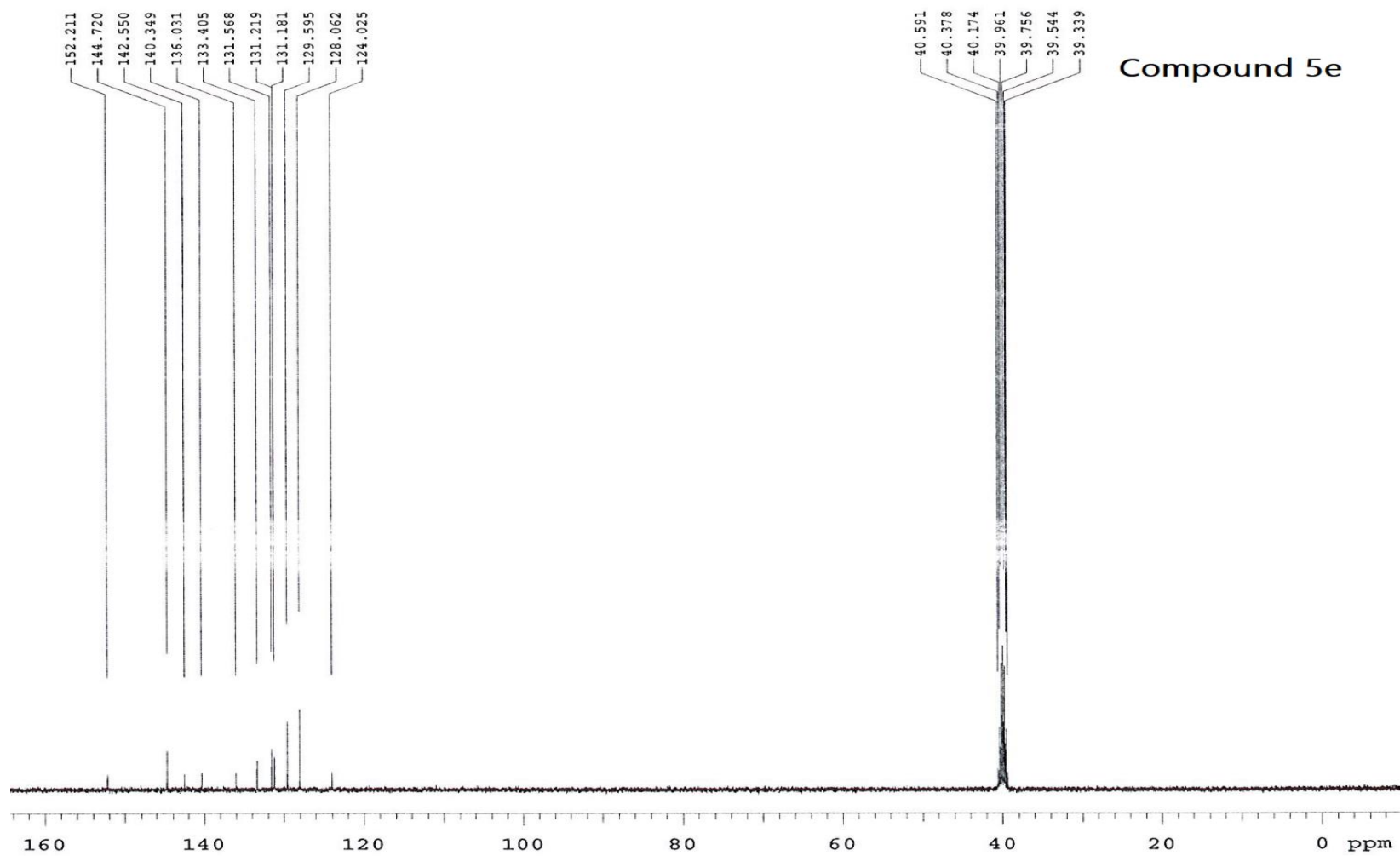


Figure S41: ^{13}C NMR Spectrum of compound 5e in DMSO- d_6 (100 MHz)

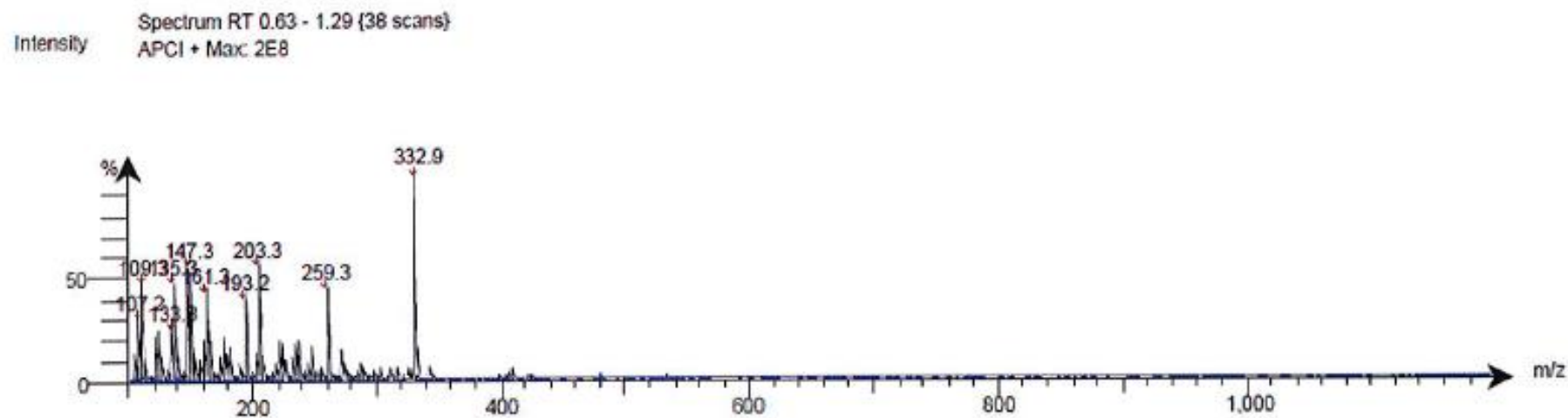


Figure S42 : Mass Spectrum of compound **5e**

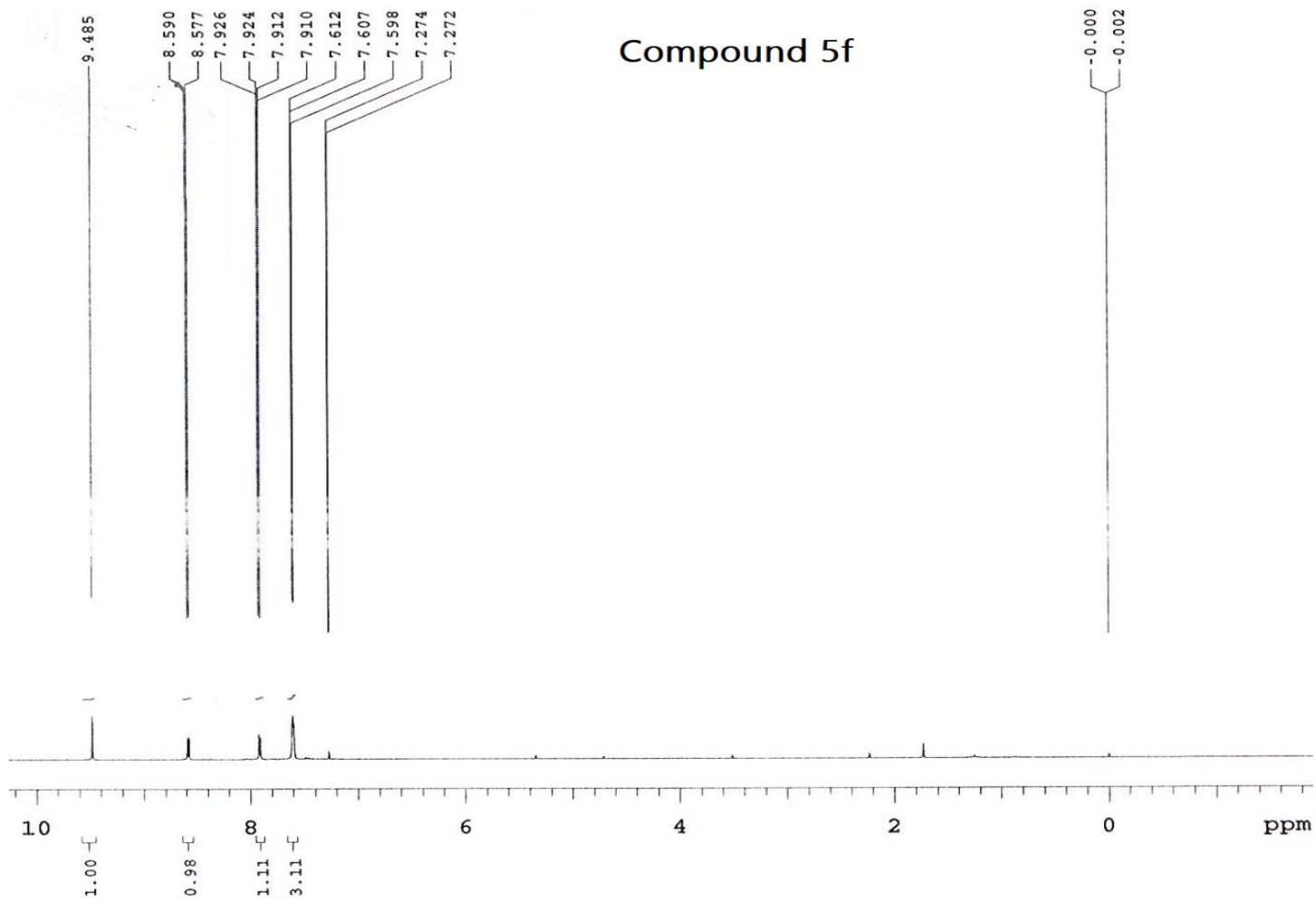


Figure S43: ¹H NMR Spectrum of compound **5f** in CDCl₃ (400 MHz)

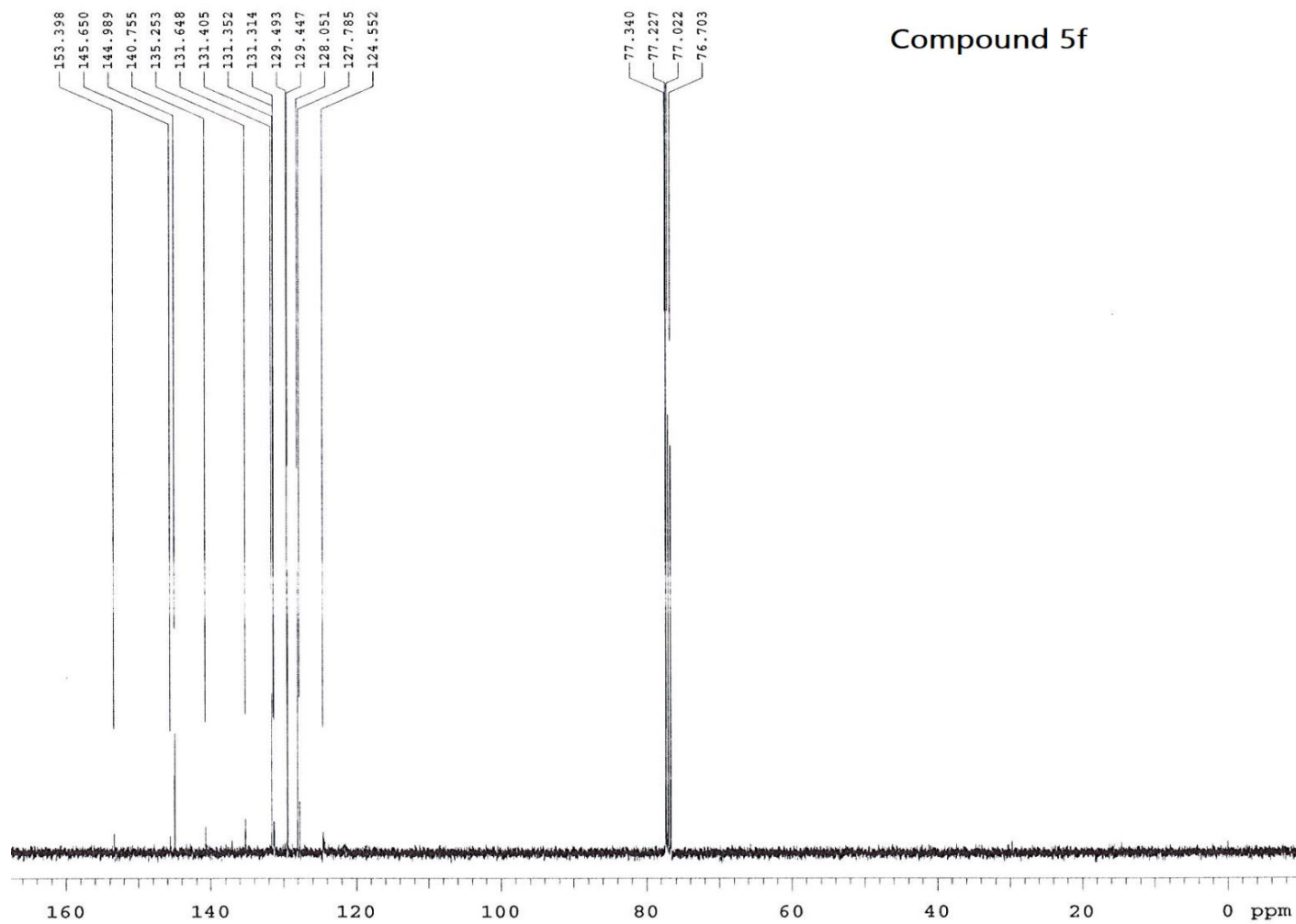


Figure S44: ^{13}C NMR Spectrum of compound 5f in CDCl_3 (100 MHz)

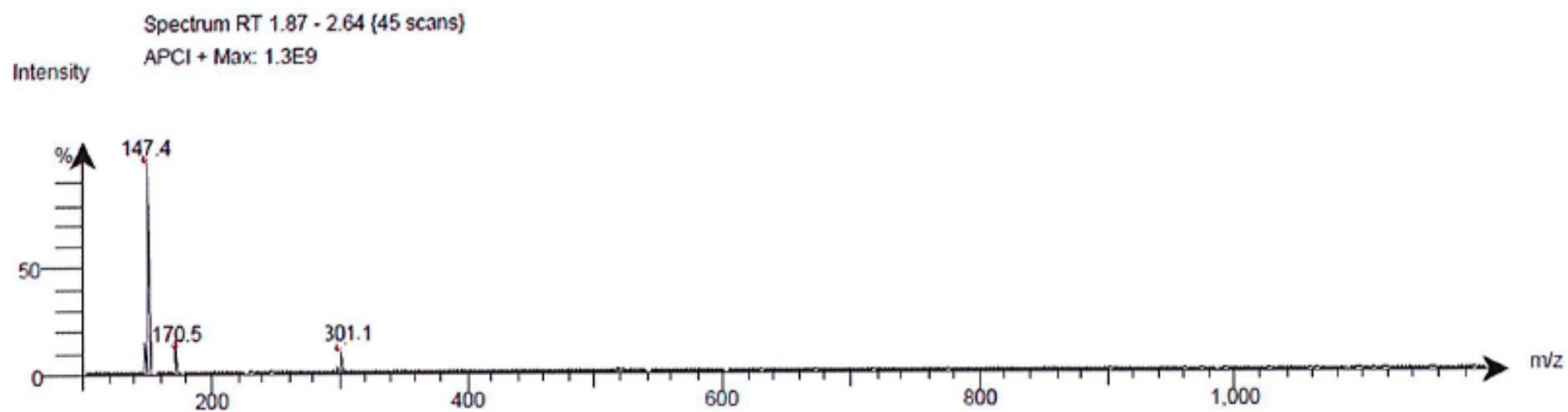


Figure S45 : Mass Spectrum of compound **5f**