

Supporting Information File 2

for

Total synthesis of panicein A₂

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¹H/¹³C NMR spectra of synthesised compounds

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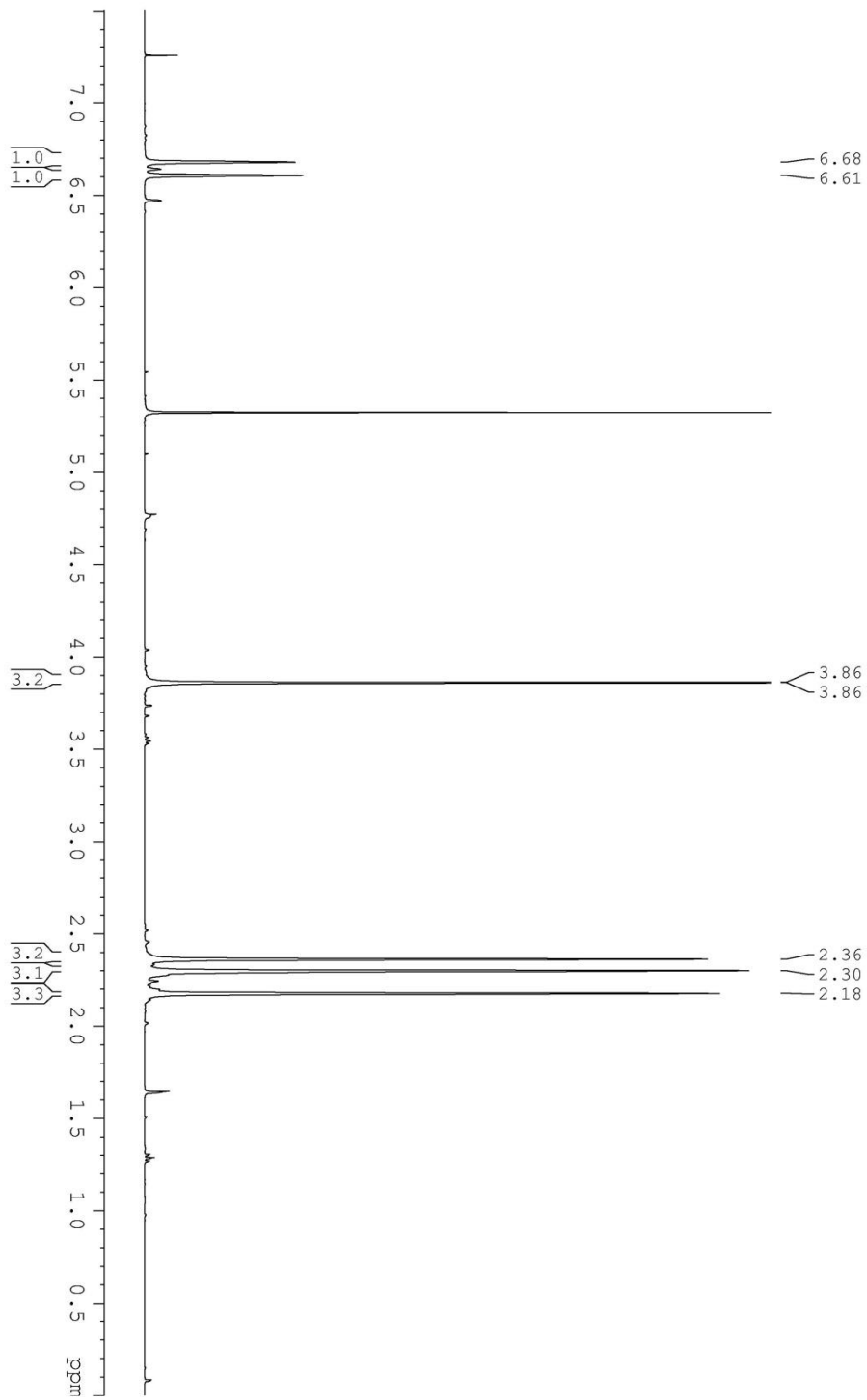


Figure 1: ^1H NMR of 2,3,5-trimethylanisole (CDCl_3 , 400 MHz).

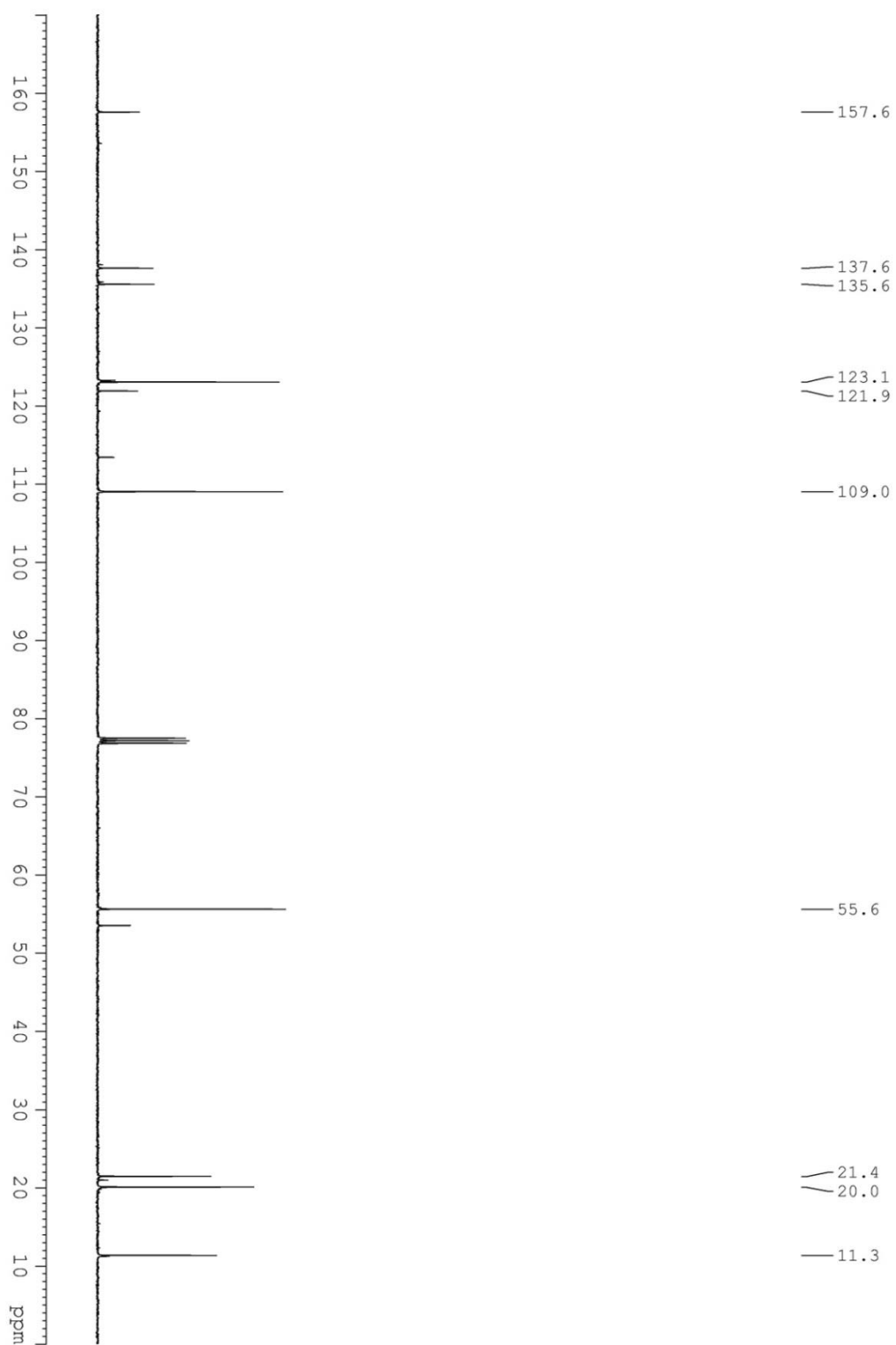


Figure 2: ^{13}C NMR of 2,3,5-trimethylanisole (CDCl_3 , 100 MHz).

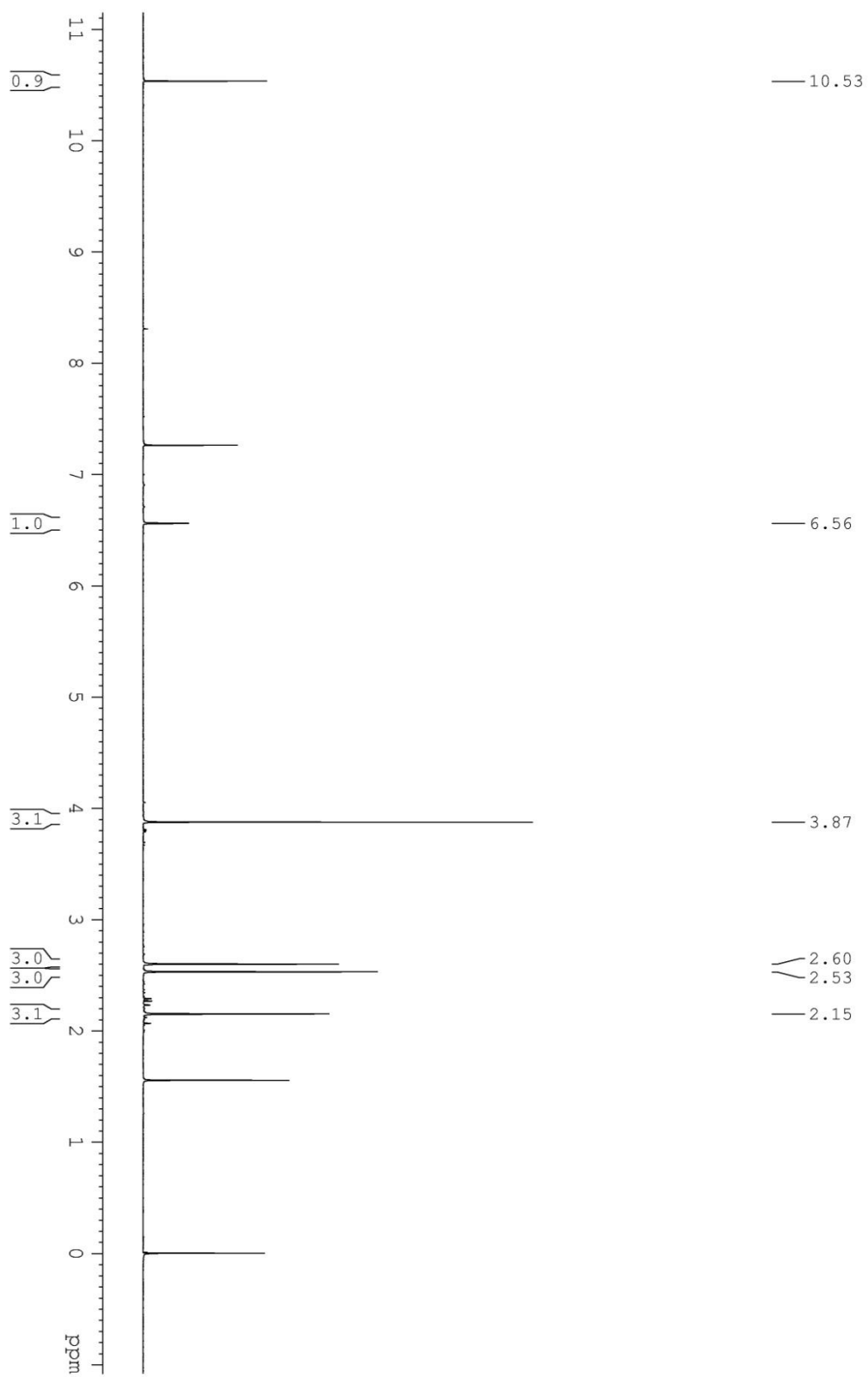


Figure 3: ^1H NMR of **10** (CDCl_3 , 400 MHz).

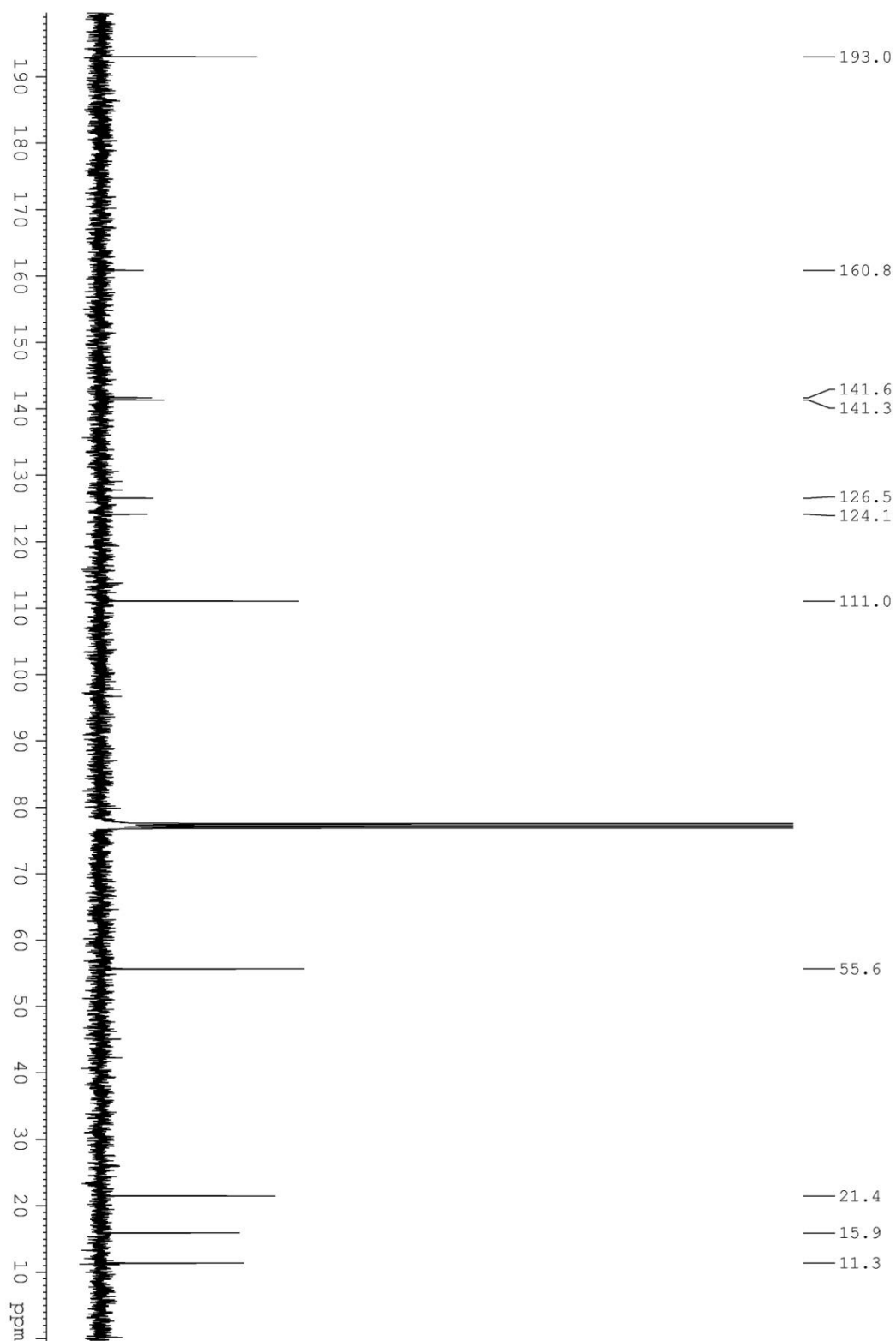


Figure 4: ^{13}C NMR of **10** (CDCl_3 , 100 MHz).

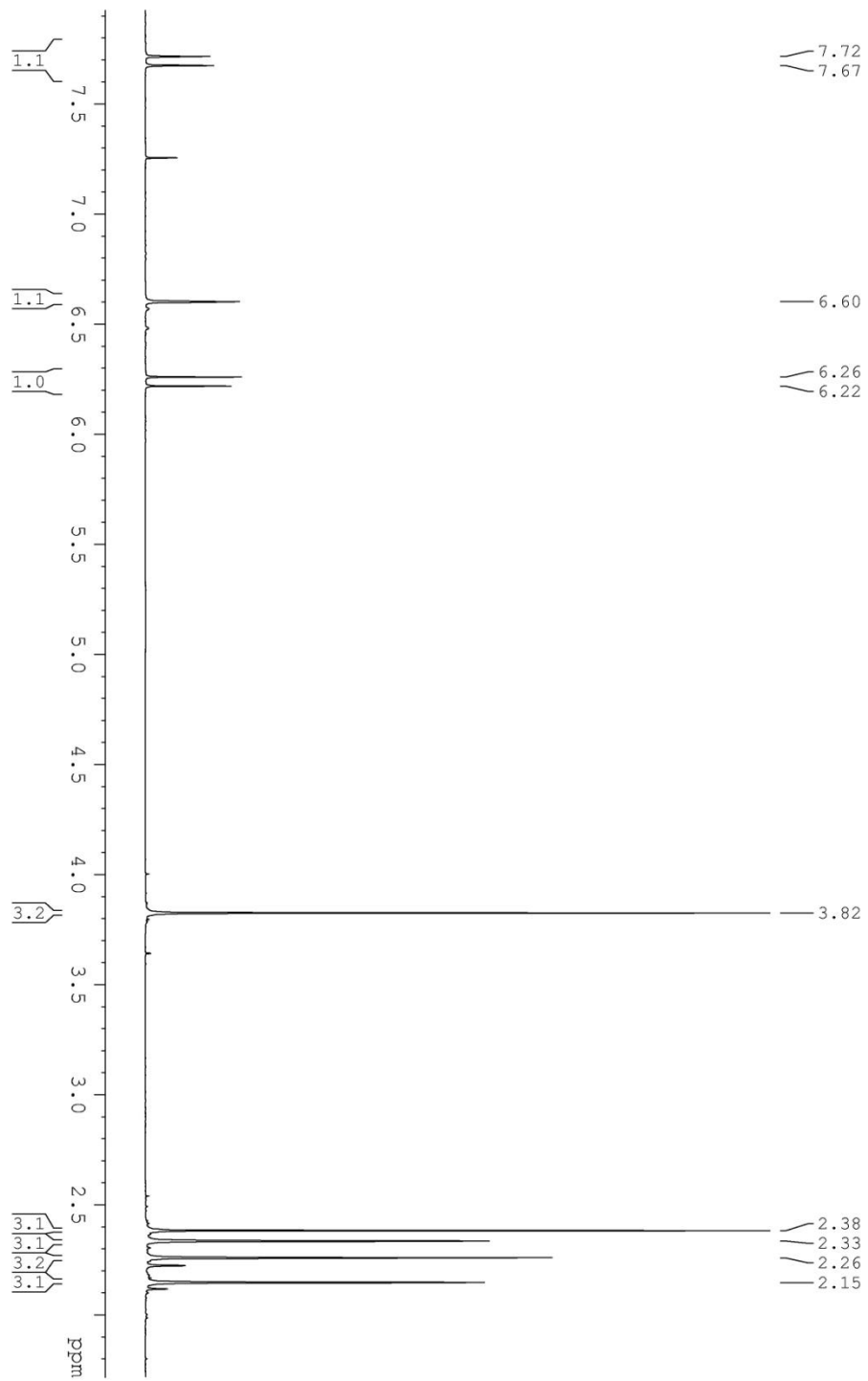


Figure 5: ^1H NMR of **12** (CDCl_3 , 400 MHz).

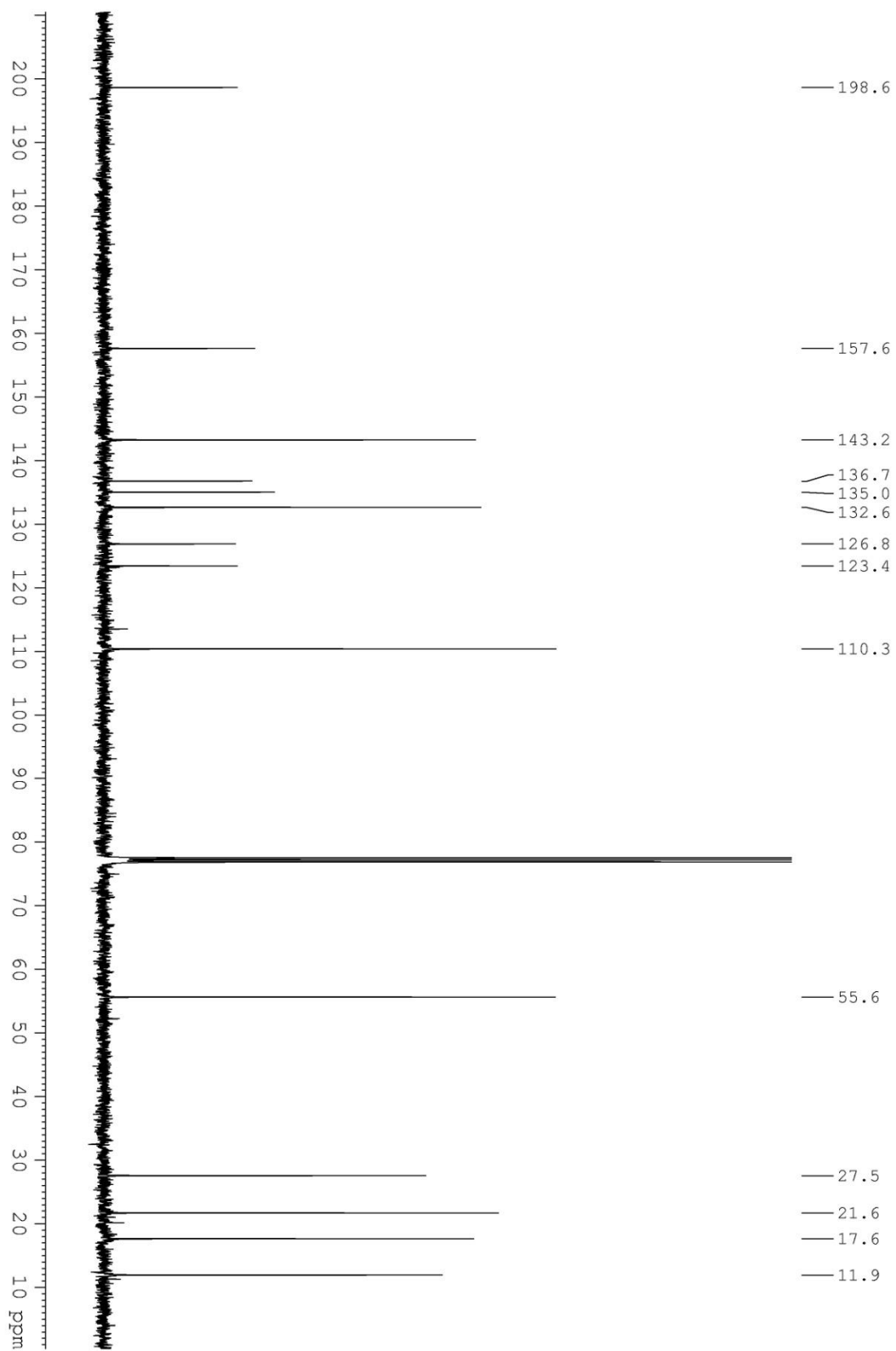


Figure 6: ^{13}C NMR of 12 (CDCl_3 , 400 MHz).

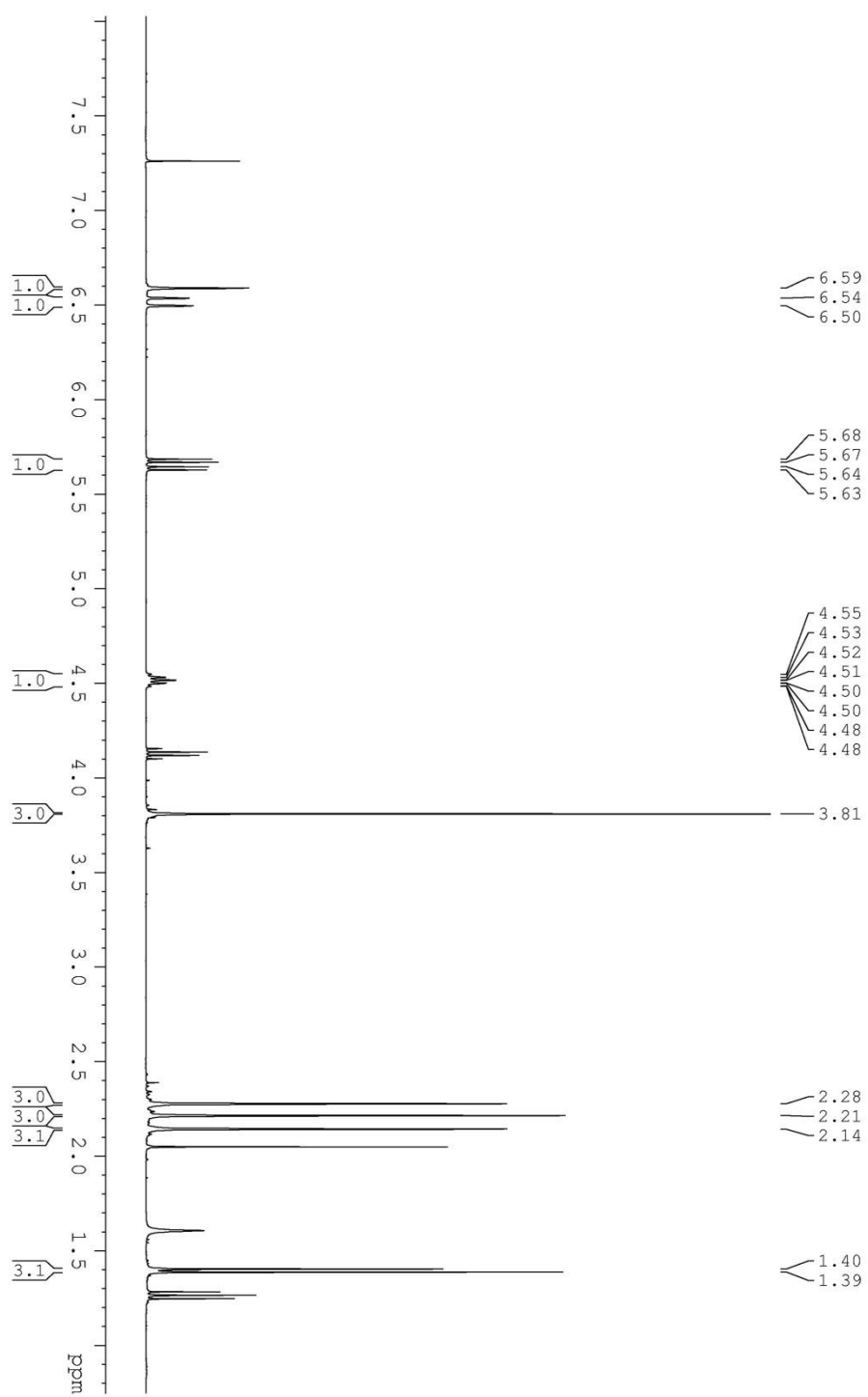


Figure 7: ^1H NMR of 14 (CDCl_3 , 400 MHz).

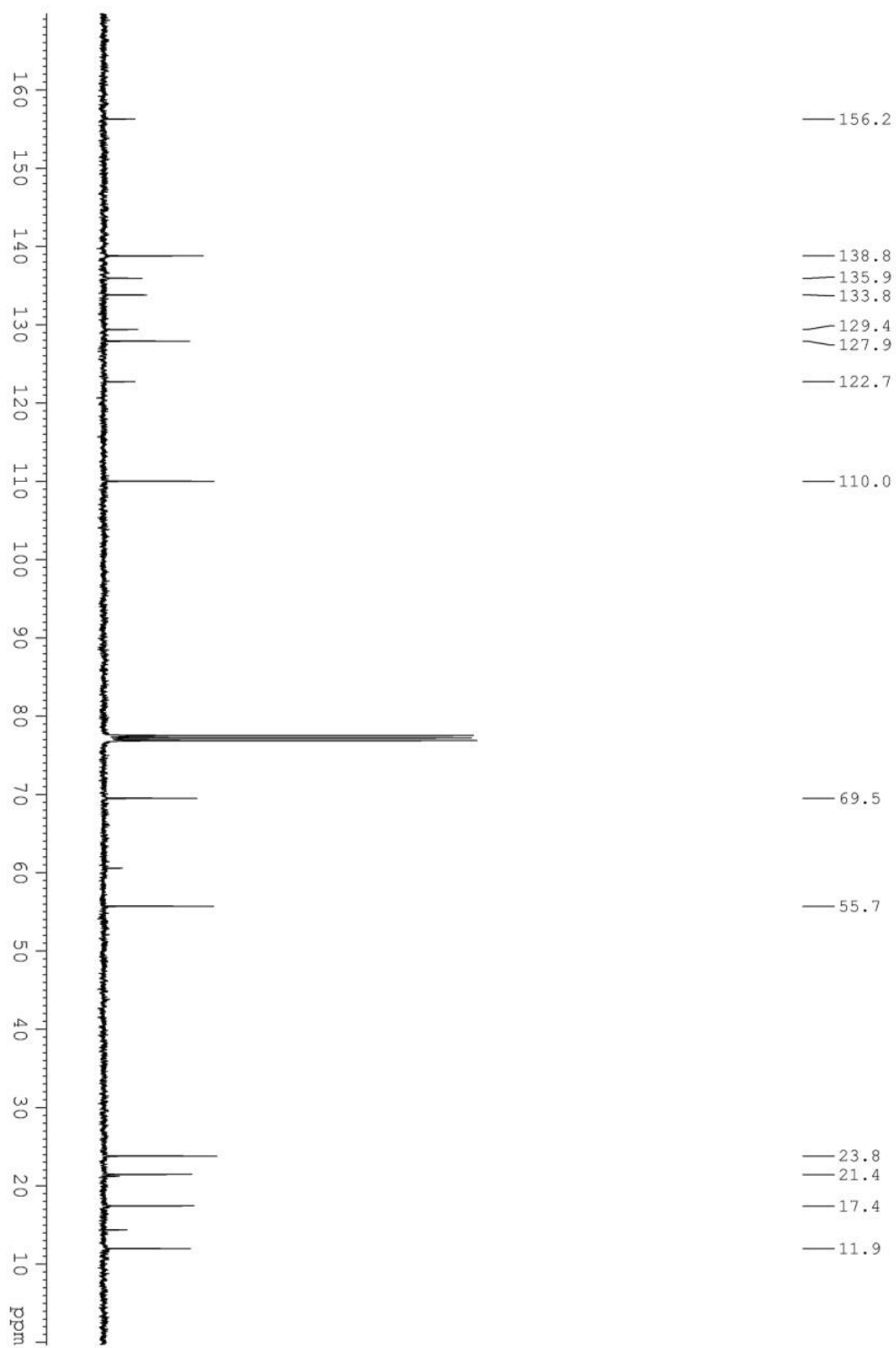


Figure 8: ^{13}C NMR of **14** (CDCl_3 , 100 MHz).

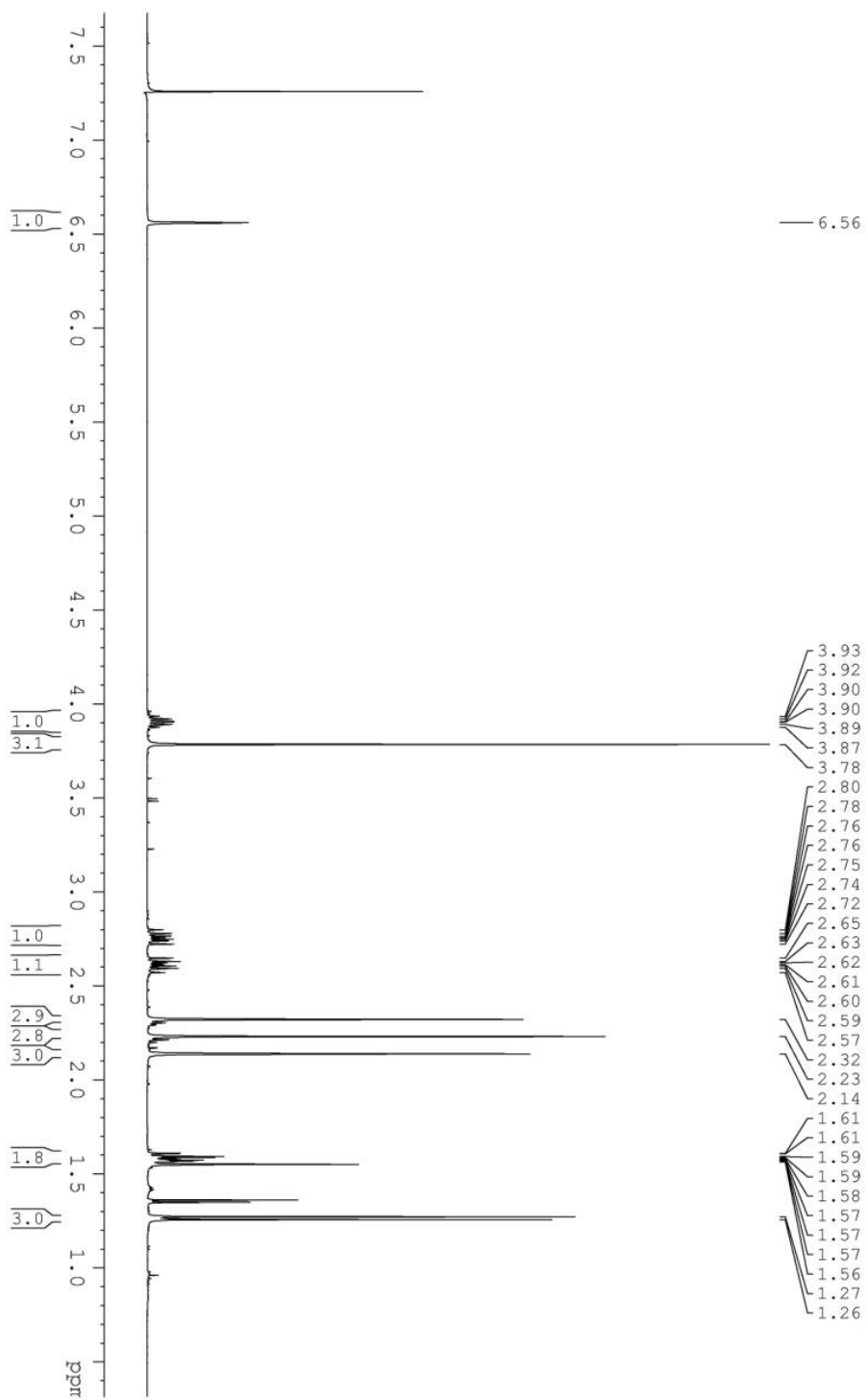


Figure 9: ^1H NMR of **15** (CDCl_3 , 400 MHz).

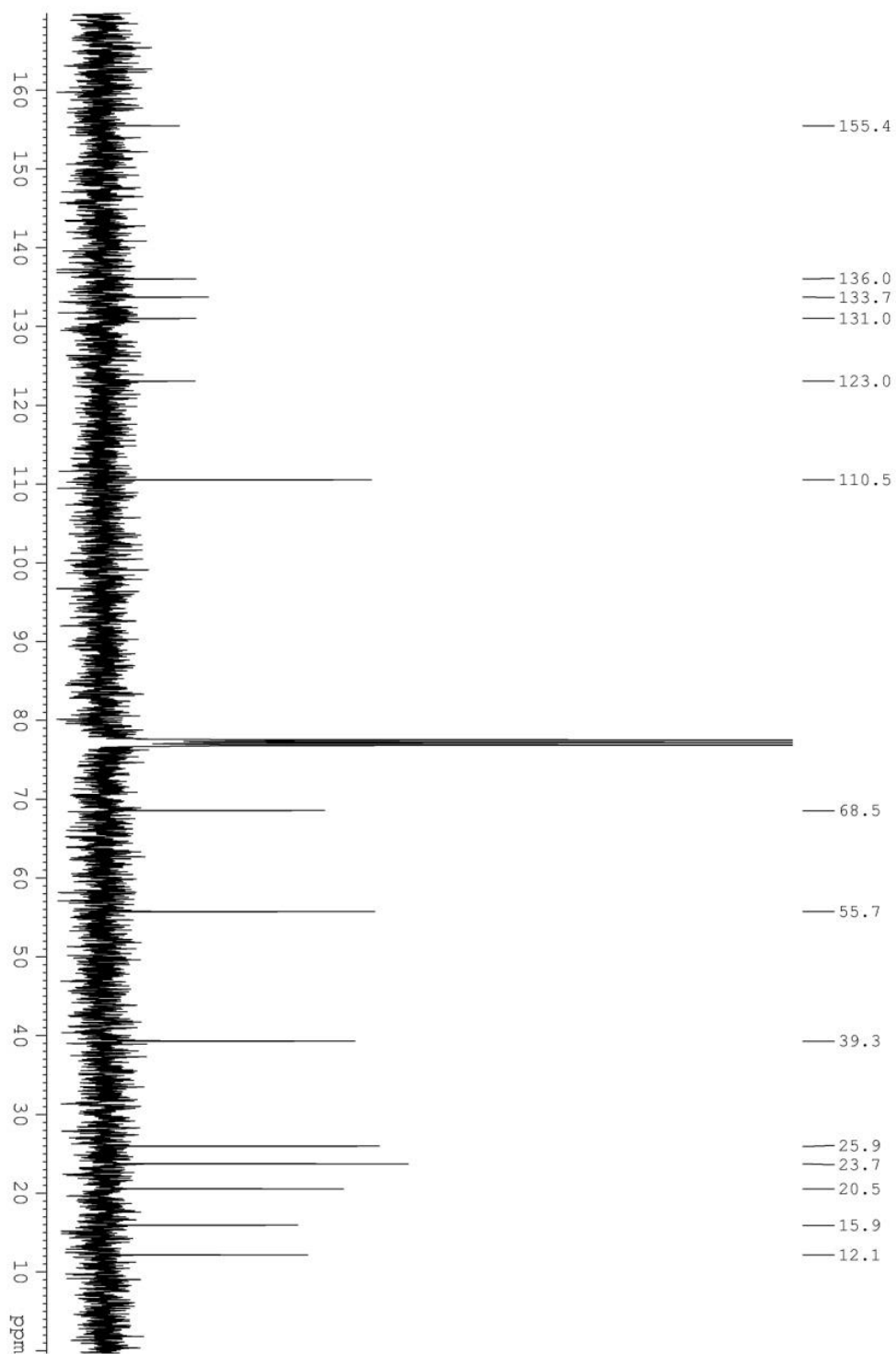


Figure 10: ^{13}C NMR of 15 (CDCl_3 , 100 MHz).

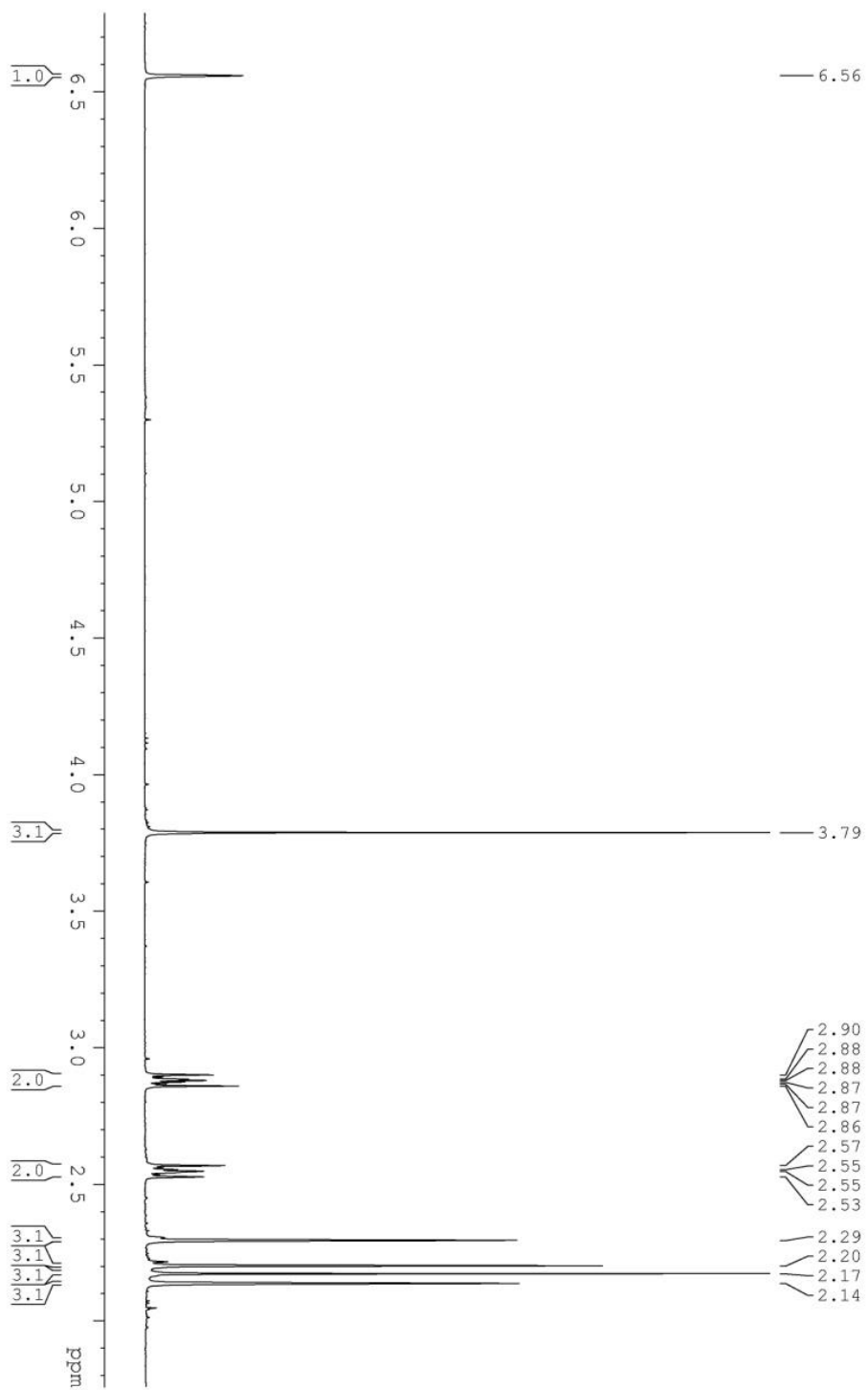


Figure 11: ¹H NMR of **13** (CDCl₃, 400 MHz).

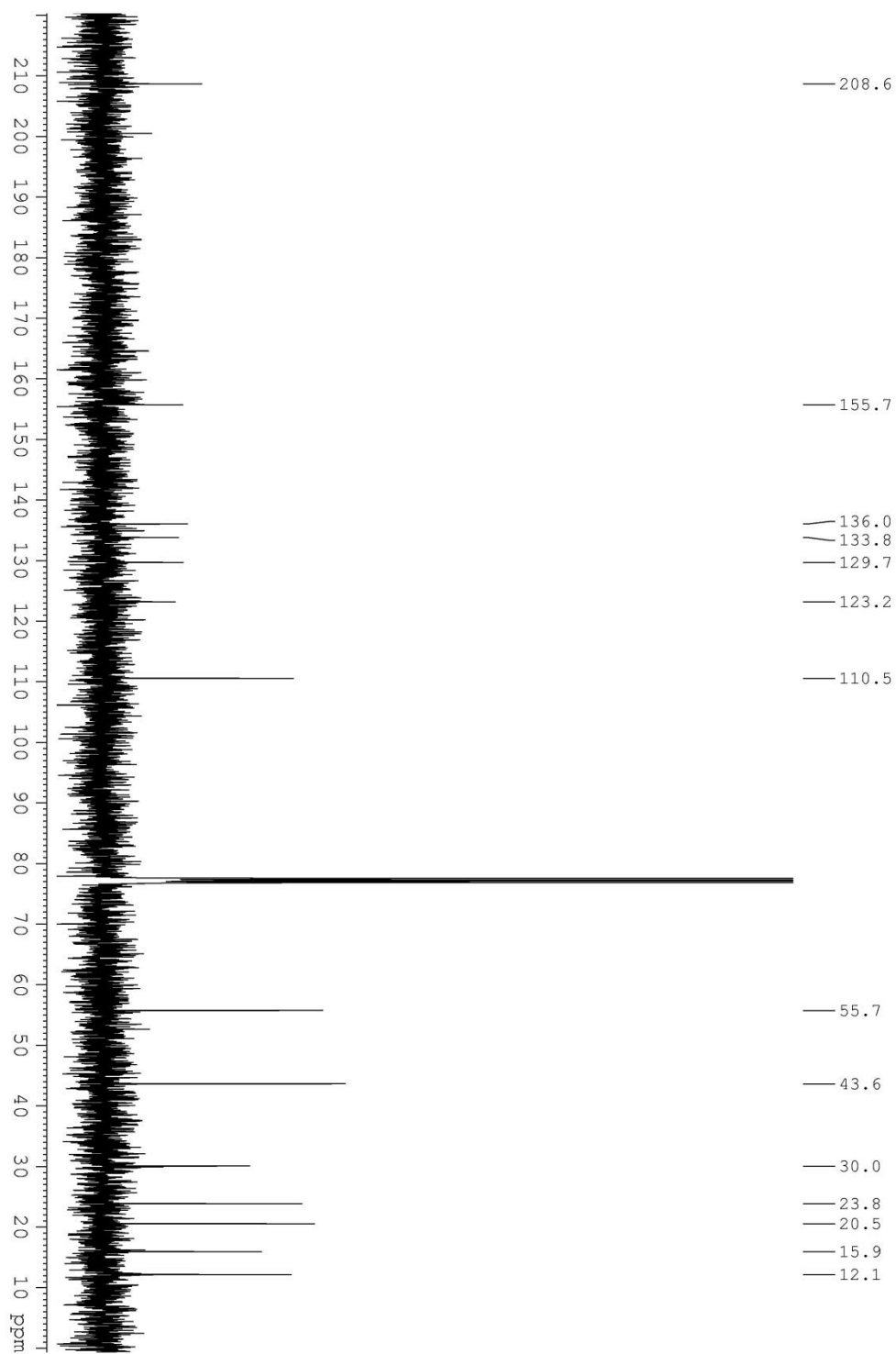


Figure 12: ^{13}C NMR of 13 (CDCl_3 , 100 MHz).

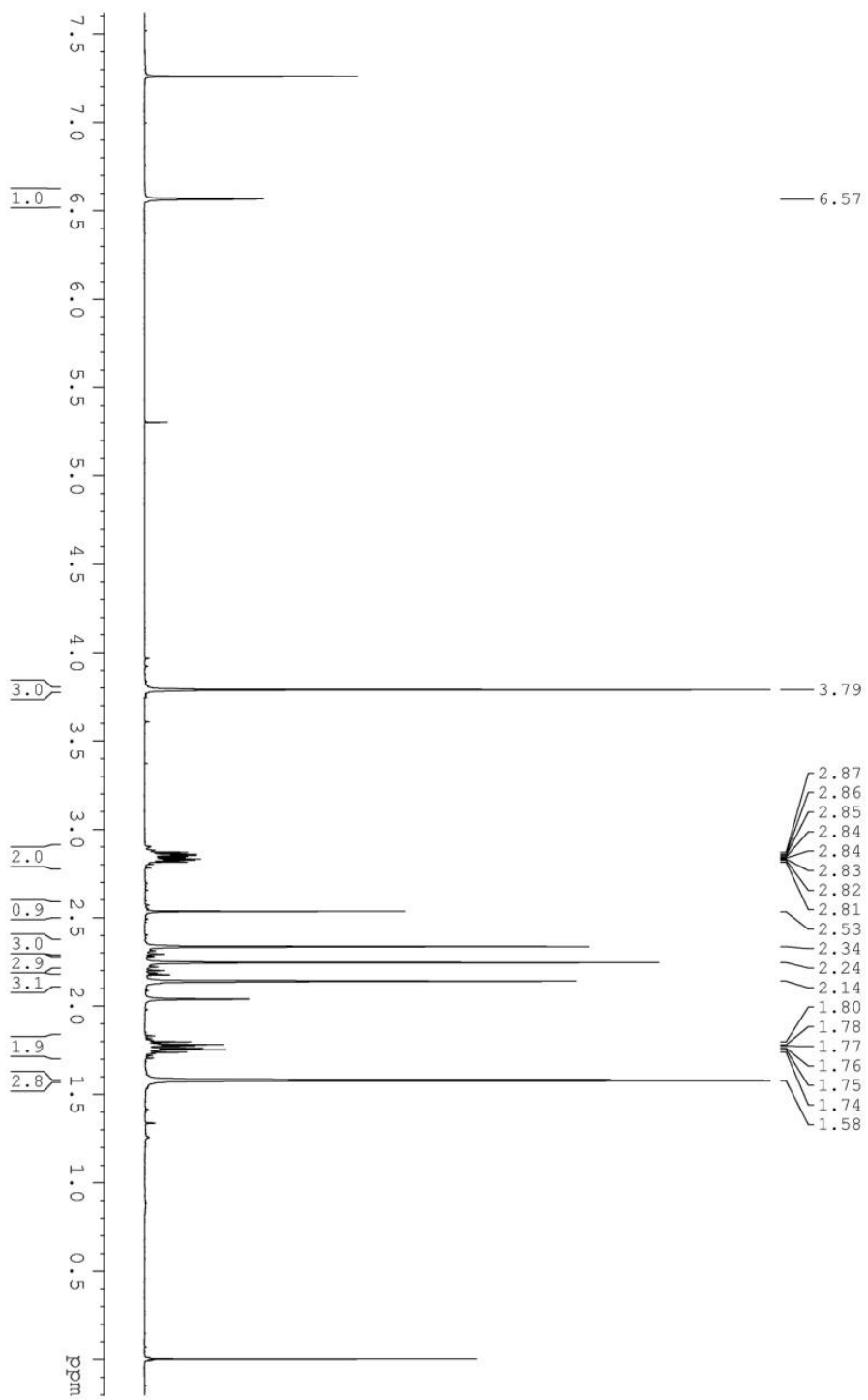


Figure 13: ^1H NMR of **9** (CDCl_3 , 400 MHz).

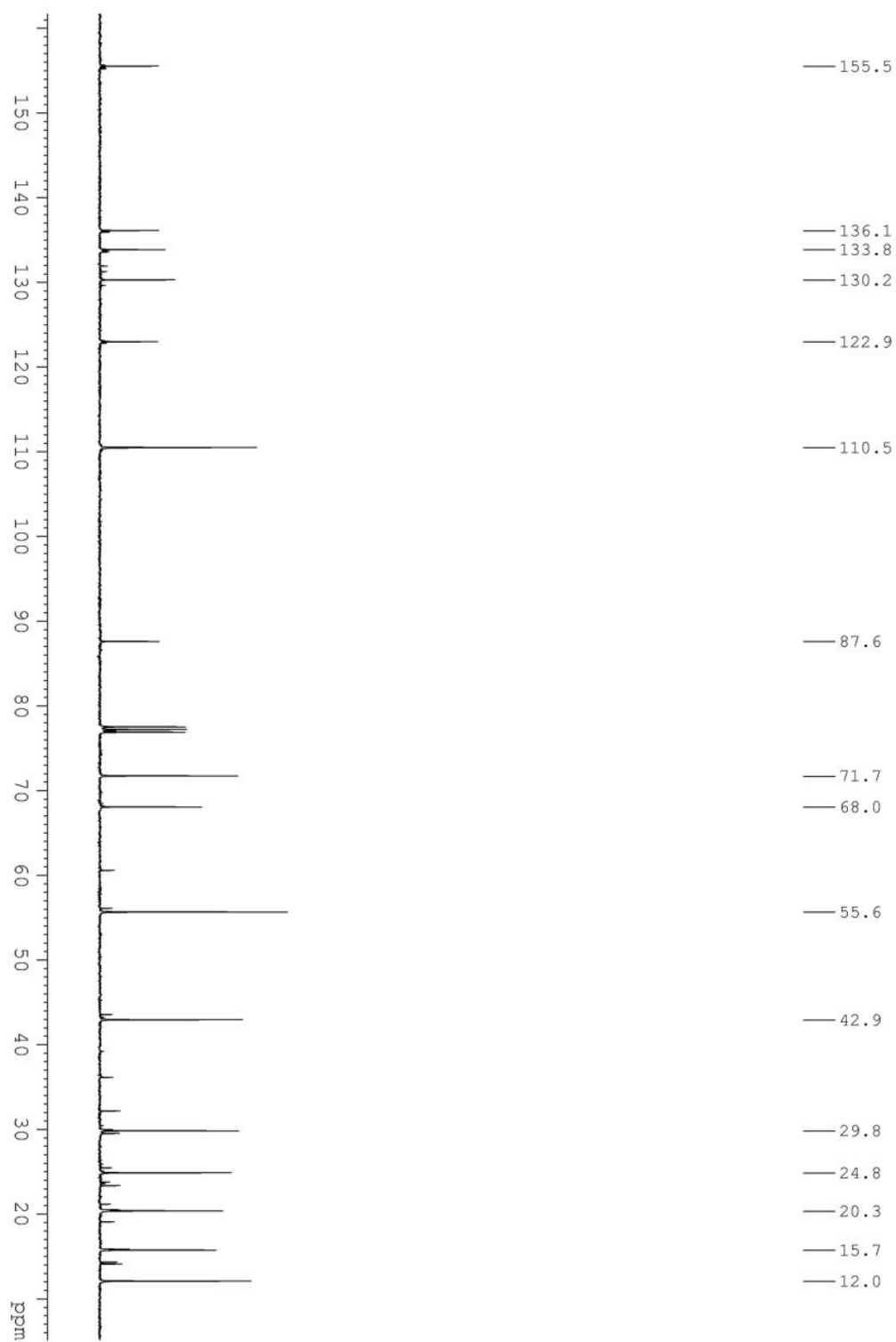


Figure 14: ^{13}C NMR of **9** (CDCl_3 , 100 MHz).

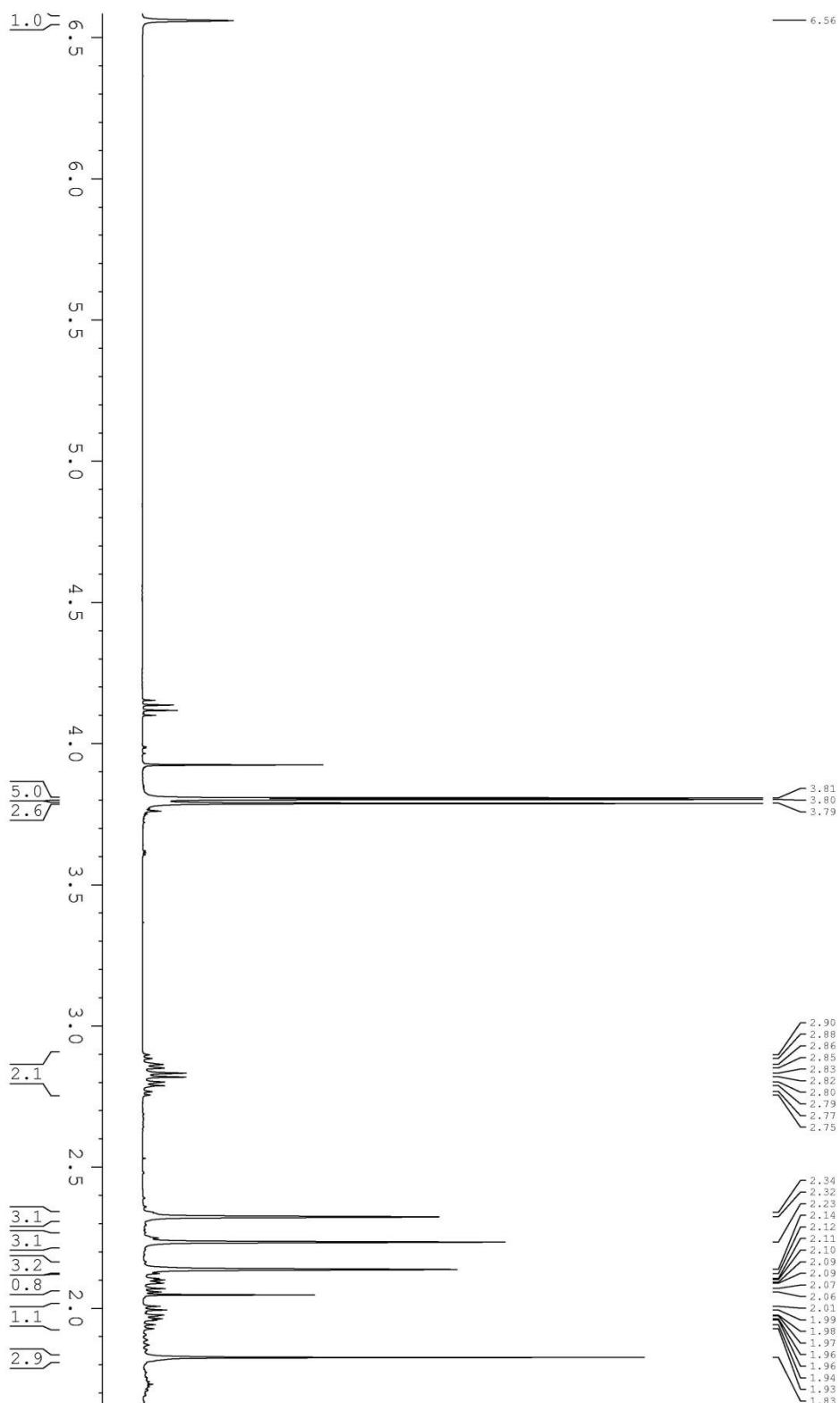


Figure 15: ^1H NMR of **19** (CDCl_3 , 400 MHz).

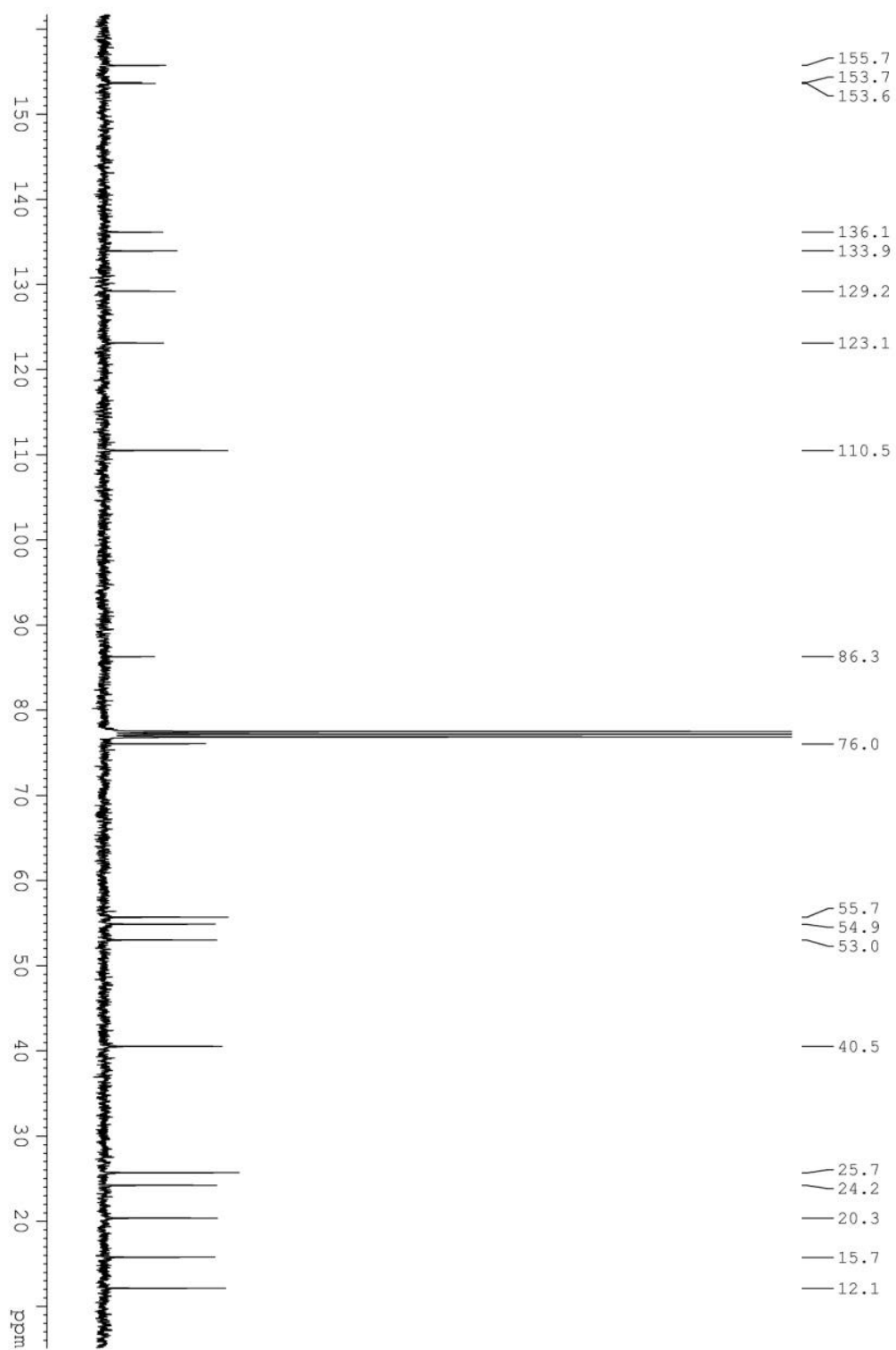


Figure 16: ^{13}C NMR of 19 (CDCl_3 , 100 MHz).

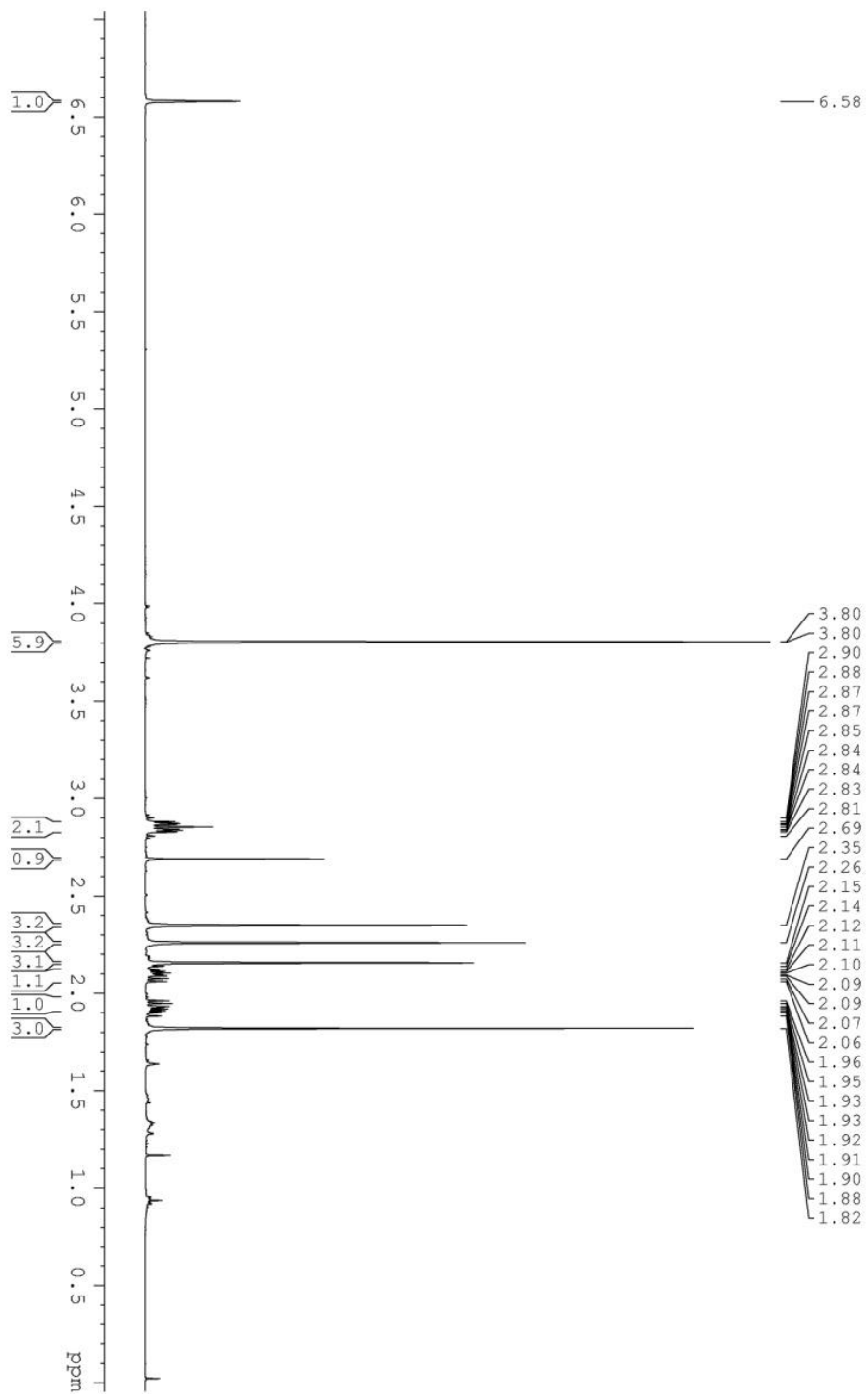


Figure 17: ¹H NMR of **18** (CDCl₃, 400 MHz).

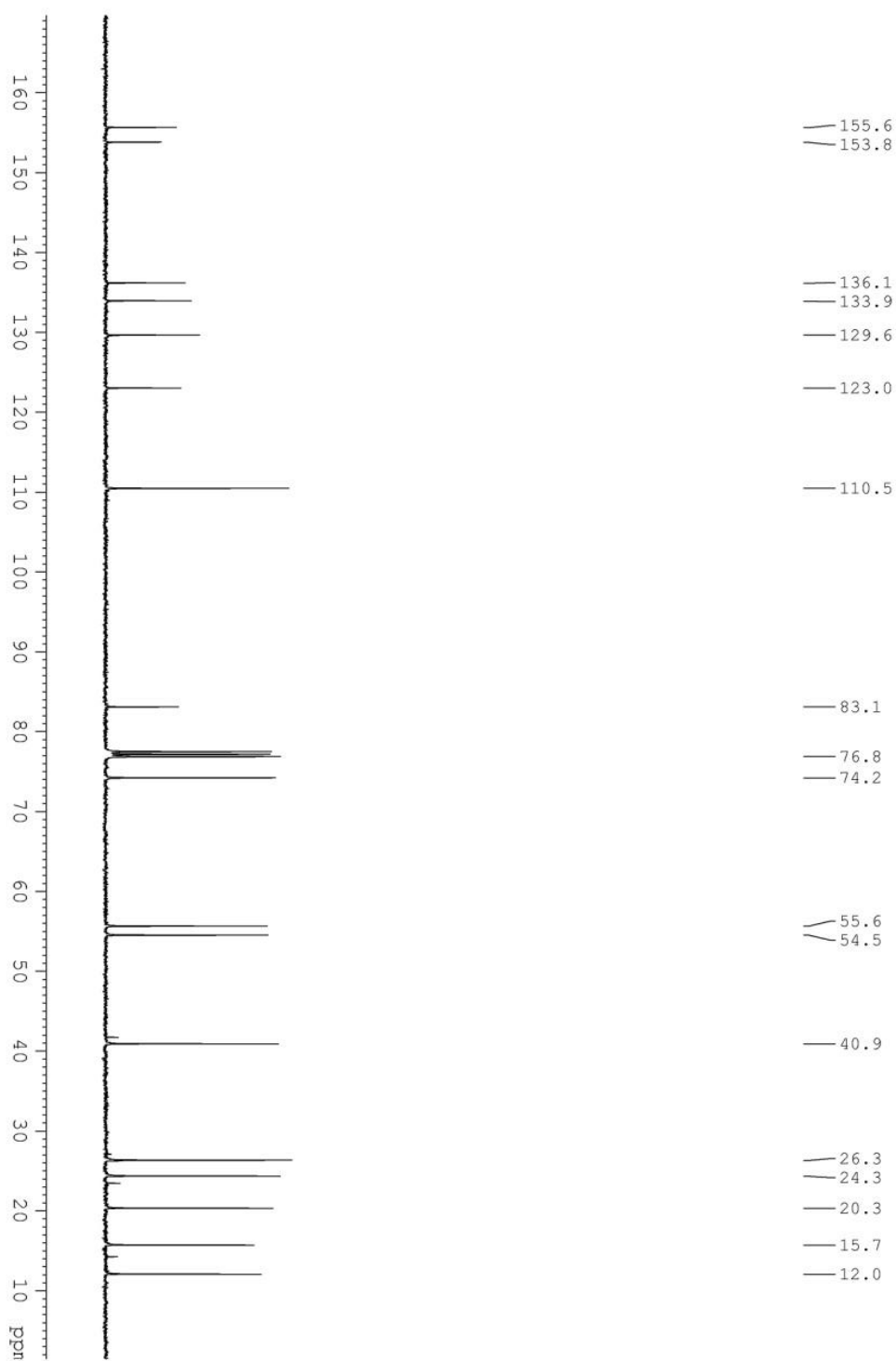


Figure 18: ^{13}C NMR of **18** (CDCl_3 , 100 MHz).

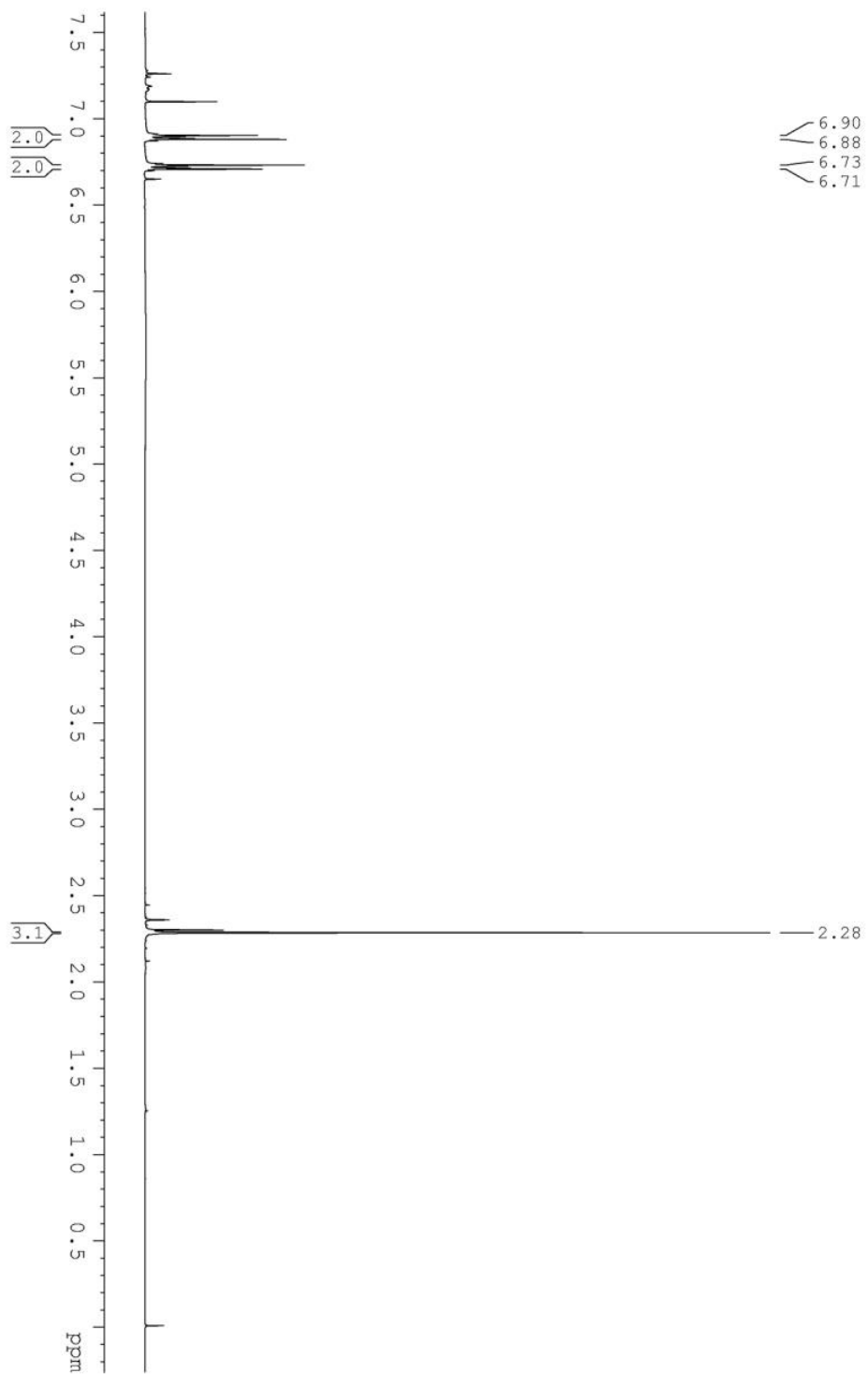


Figure 19: ^1H NMR of 16 (CDCl_3 , 400 MHz).

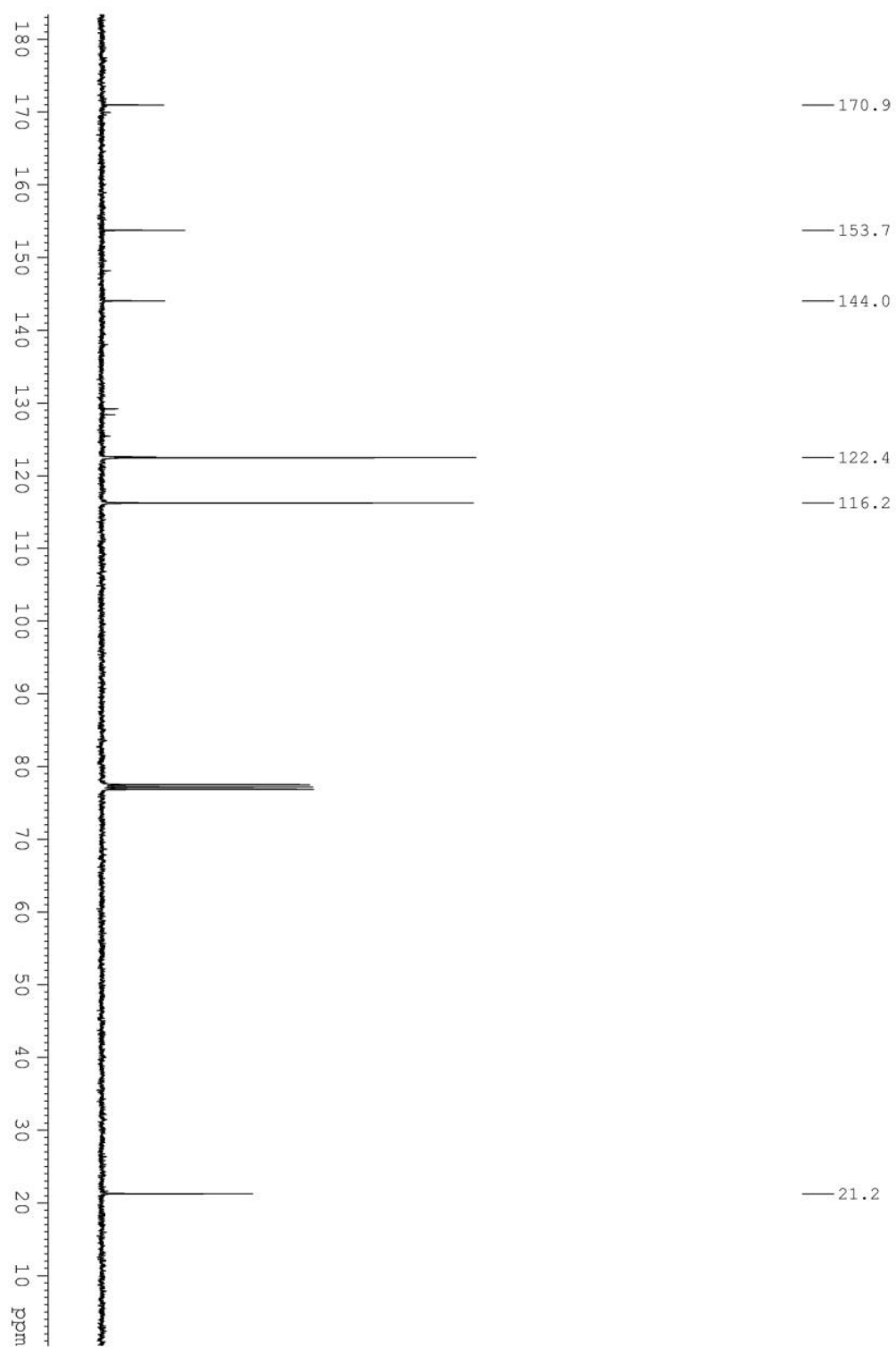


Figure 20: ^{13}C NMR of **16** (CDCl_3 , 100 MHz).

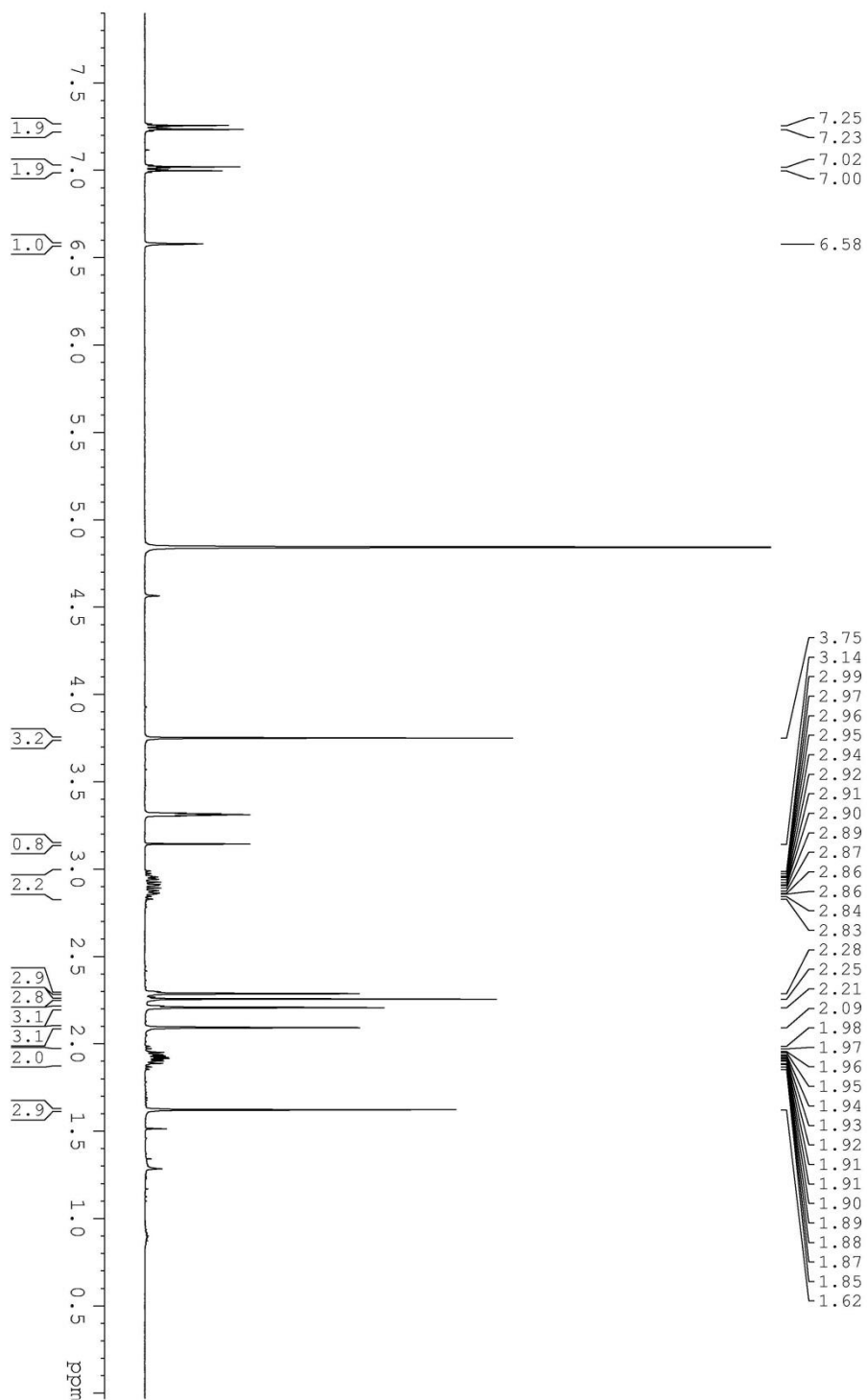


Figure 21: ^1H NMR of **8** (CD_3OD , 100 MHz).

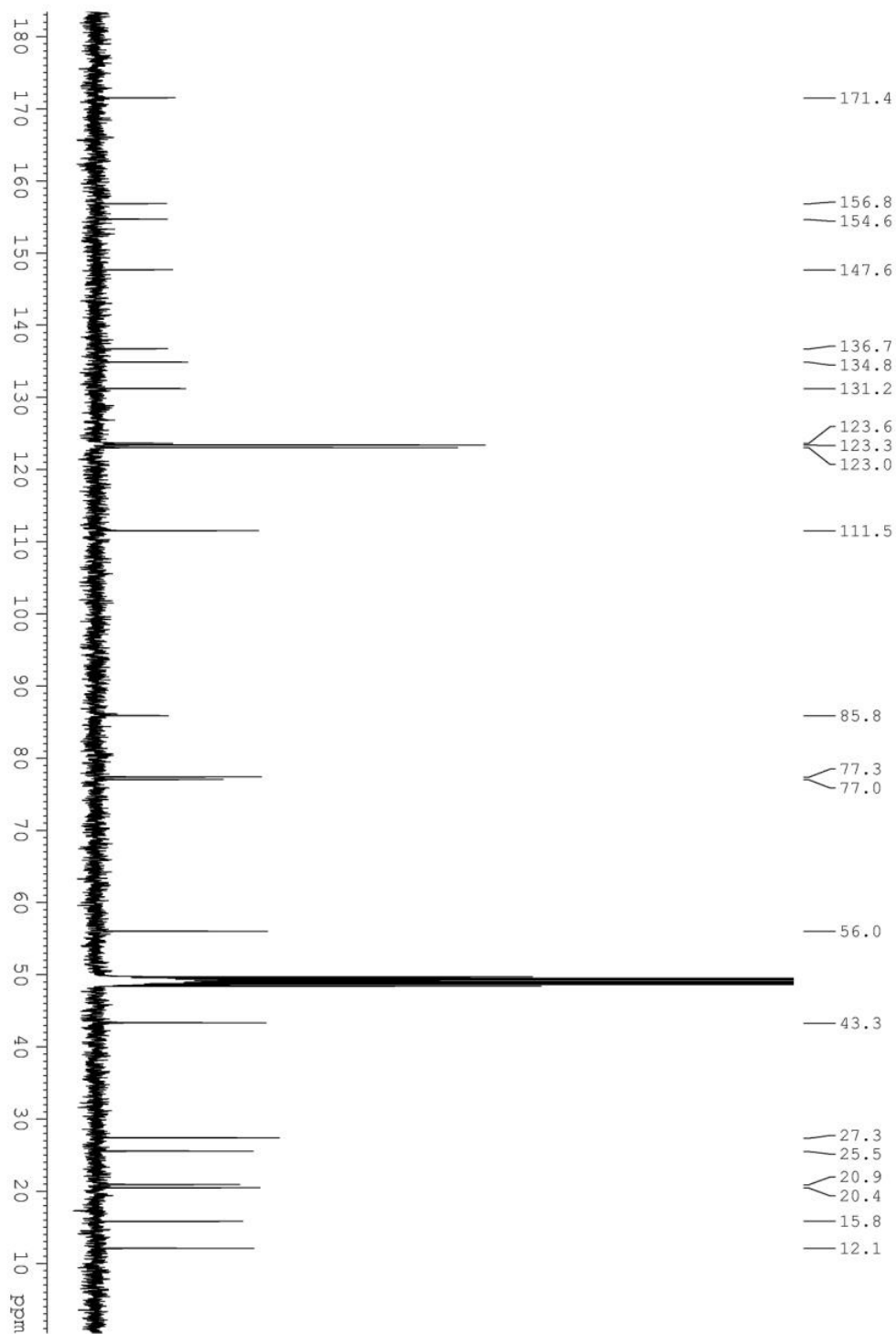


Figure 22: ^{13}C NMR of **8** (CD_3OD , 100 MHz).

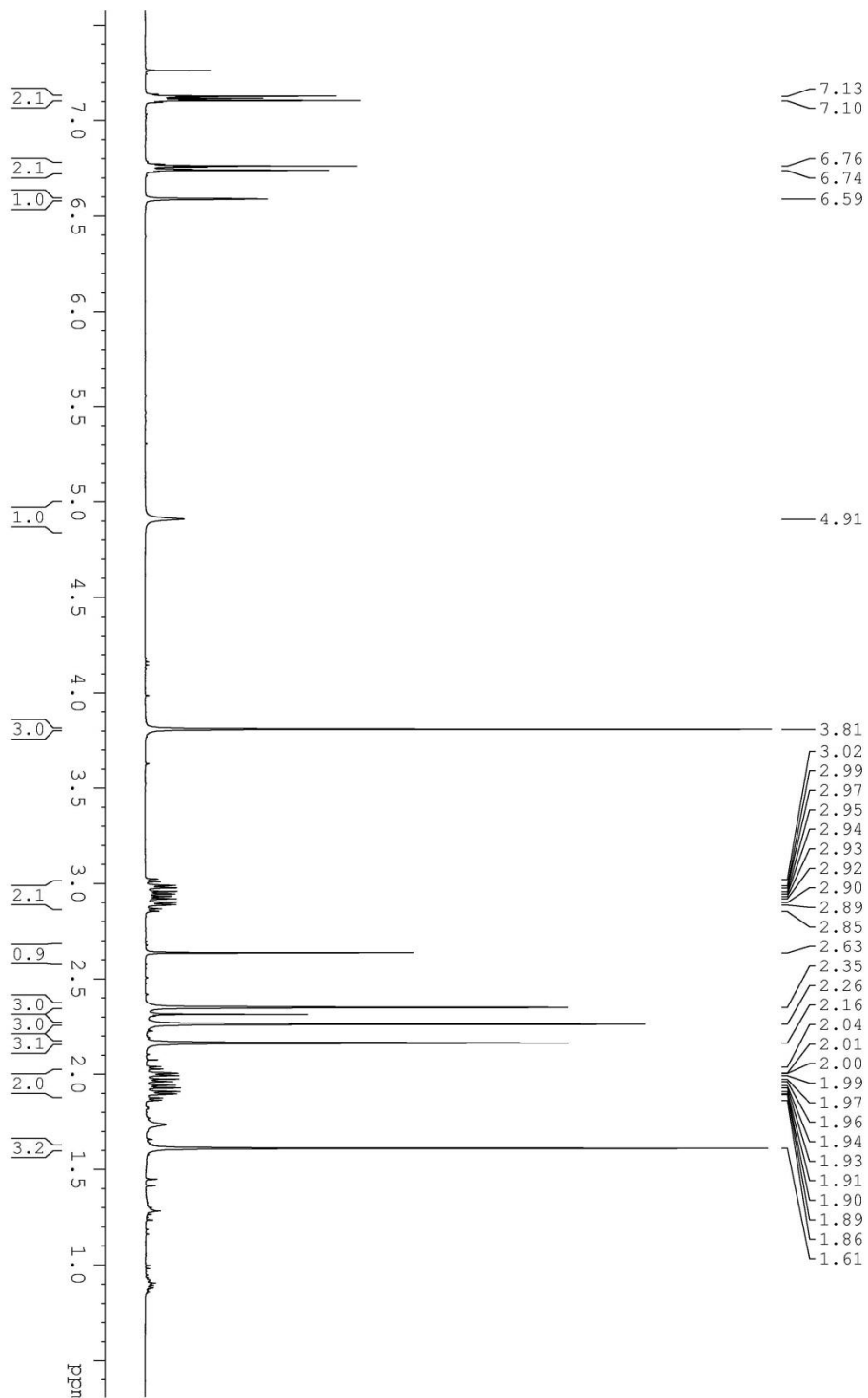


Figure 23: ^1H NMR of **20** (CDCl_3 , 400 MHz).

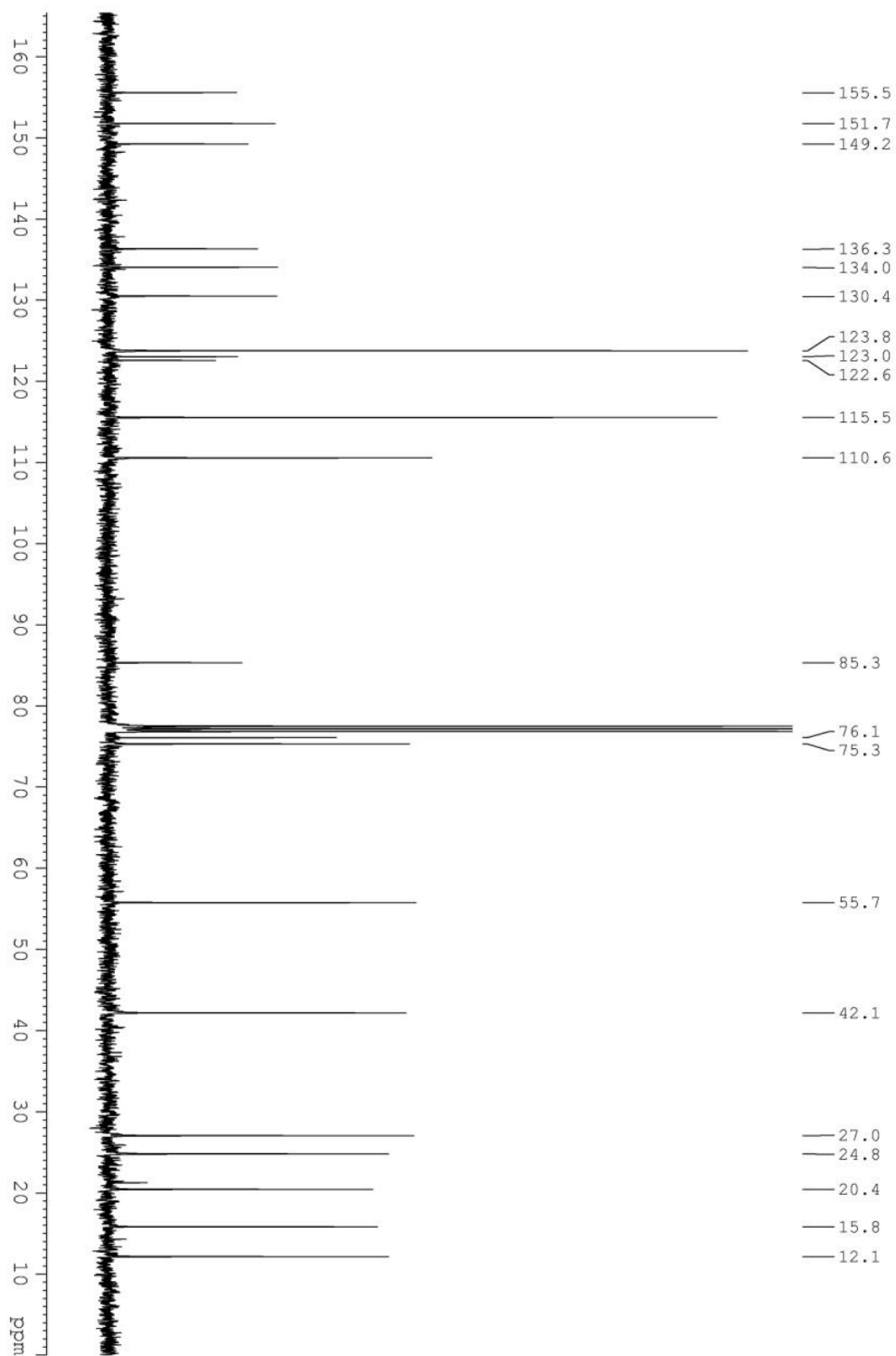


Figure 24: ^{13}C NMR of **20** (CDCl_3 , 100 MHz).

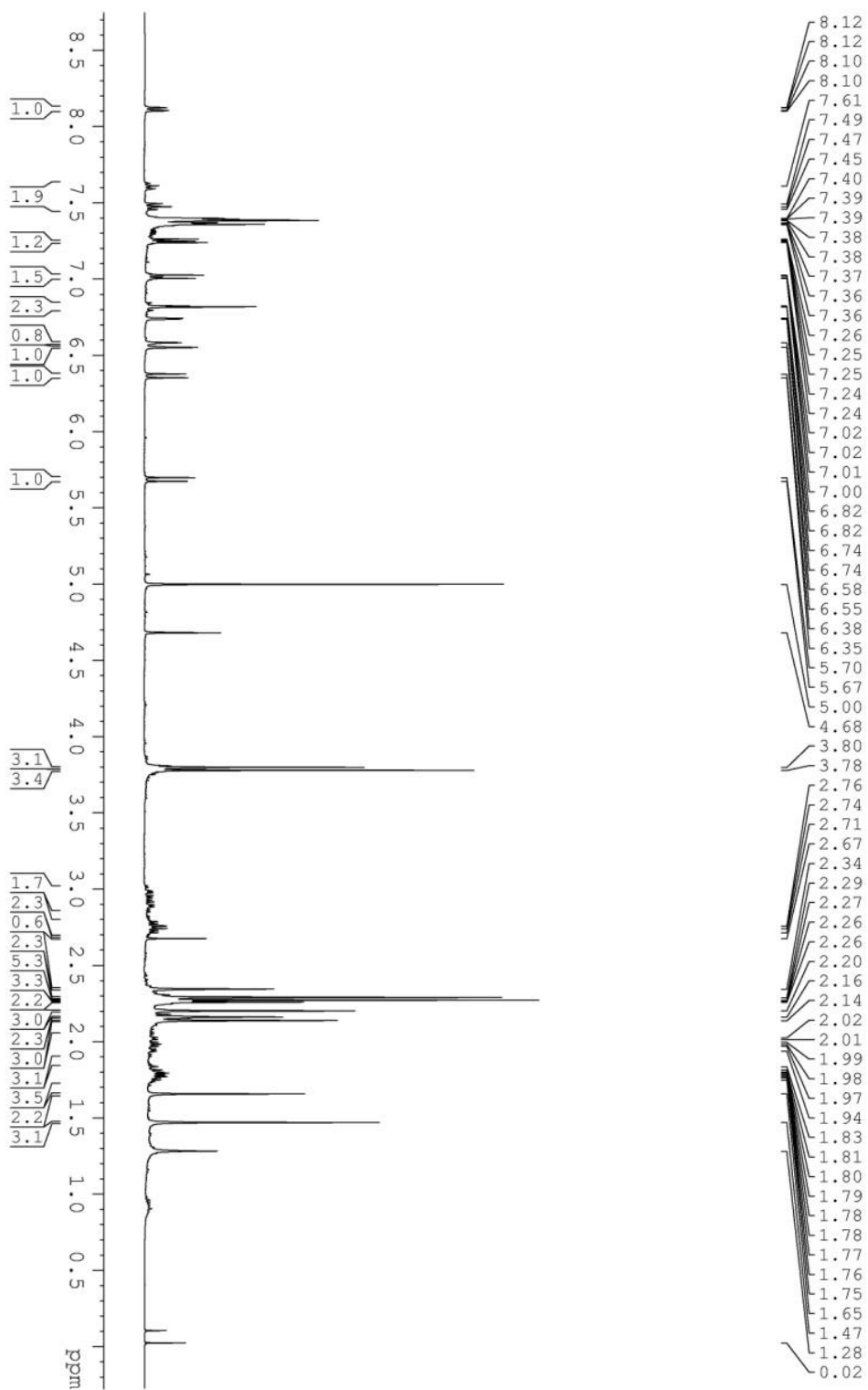


Figure 25: ^1H NMR of **20** and **21** (CDCl_3 , 400 MHz).

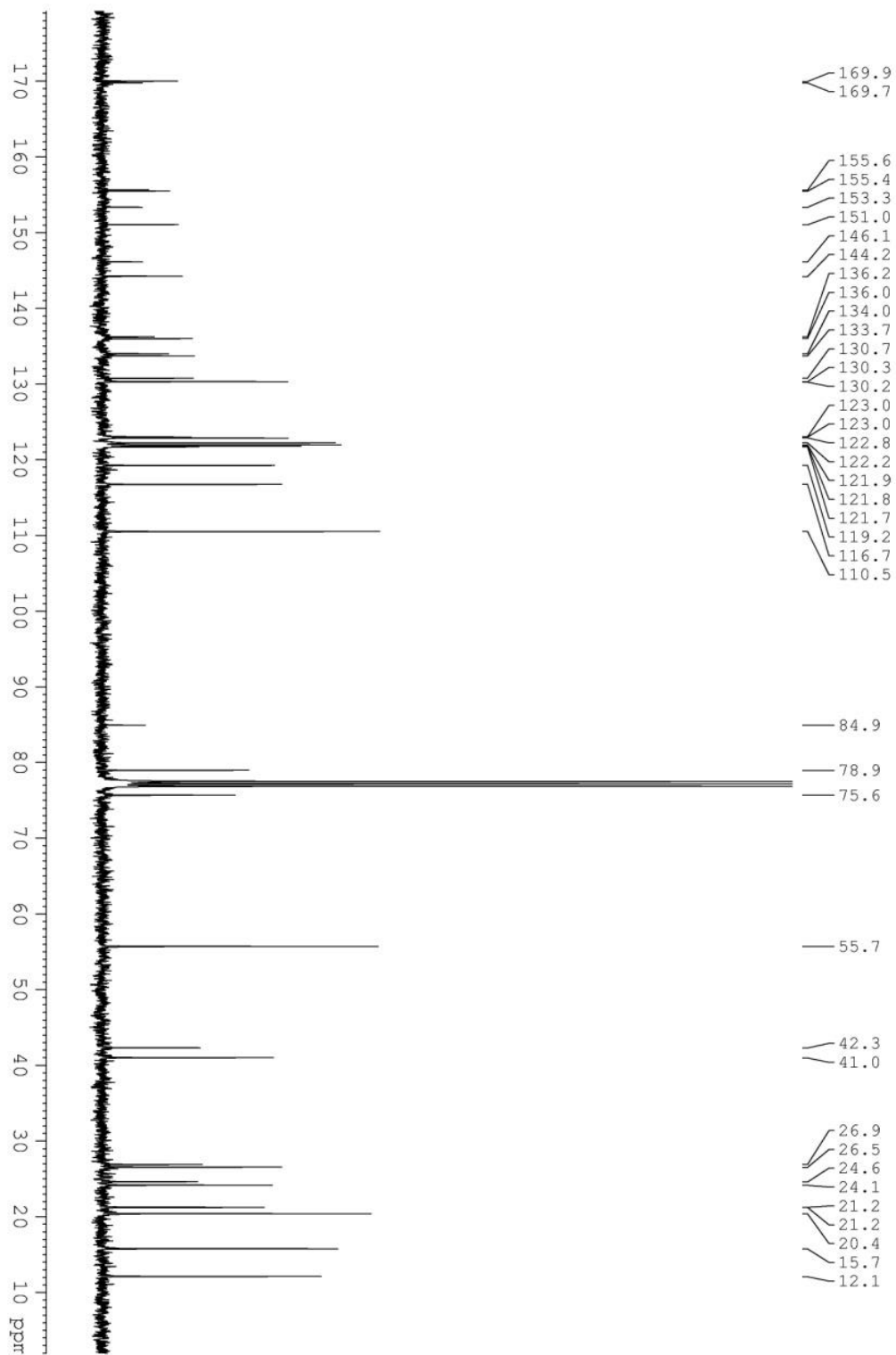


Figure 26: ^{13}C NMR of **20** and **21** (CDCl_3 , 100 MHz).

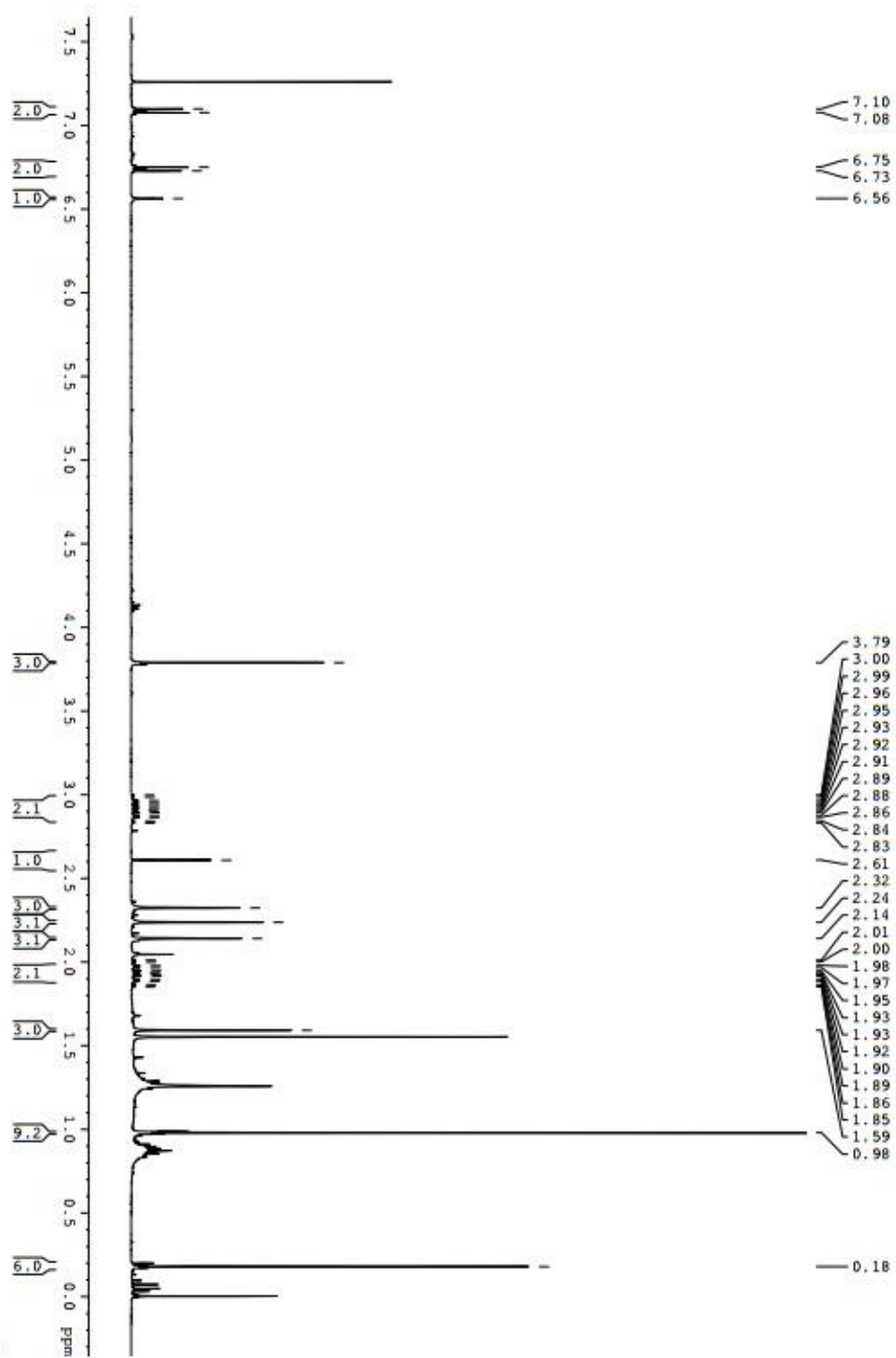


Figure 27: ^1H NMR of **22** (CDCl_3 , 400 MHz).

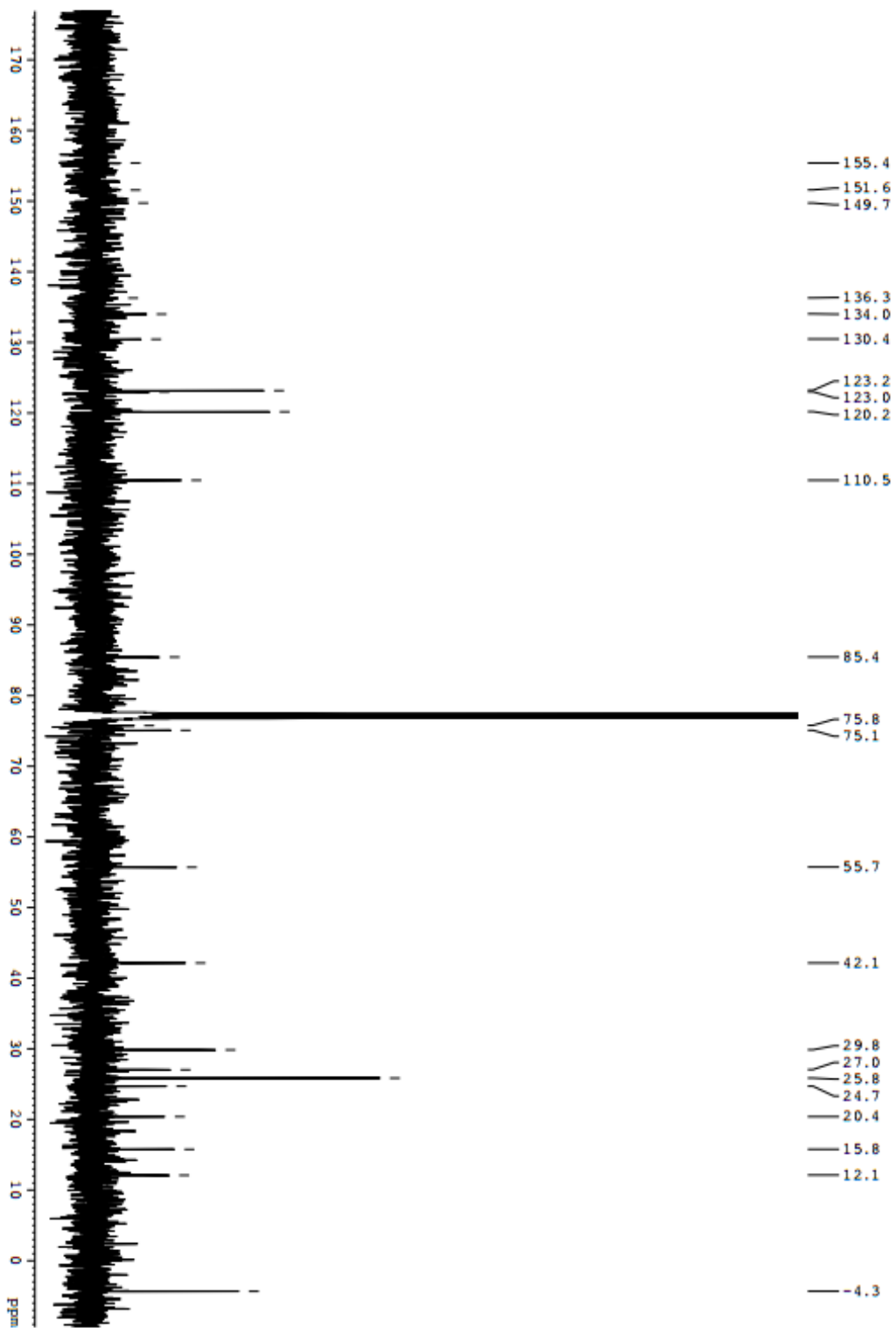


Figure 28: ^{13}C NMR of **22** (CDCl_3 , 100 MHz).

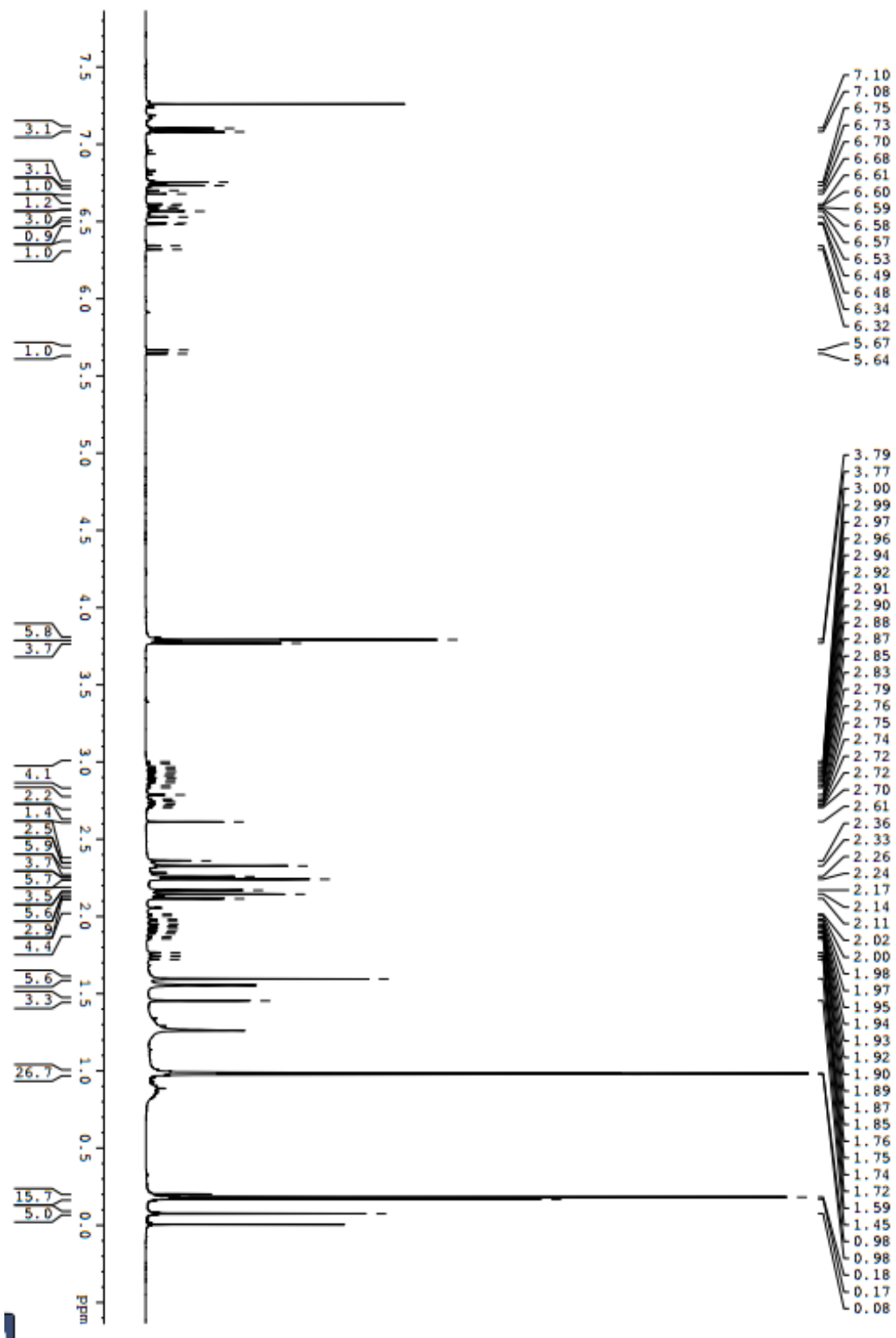


Figure 29: ^1H NMR of **22** and **23** (CDCl_3 , 400 MHz).

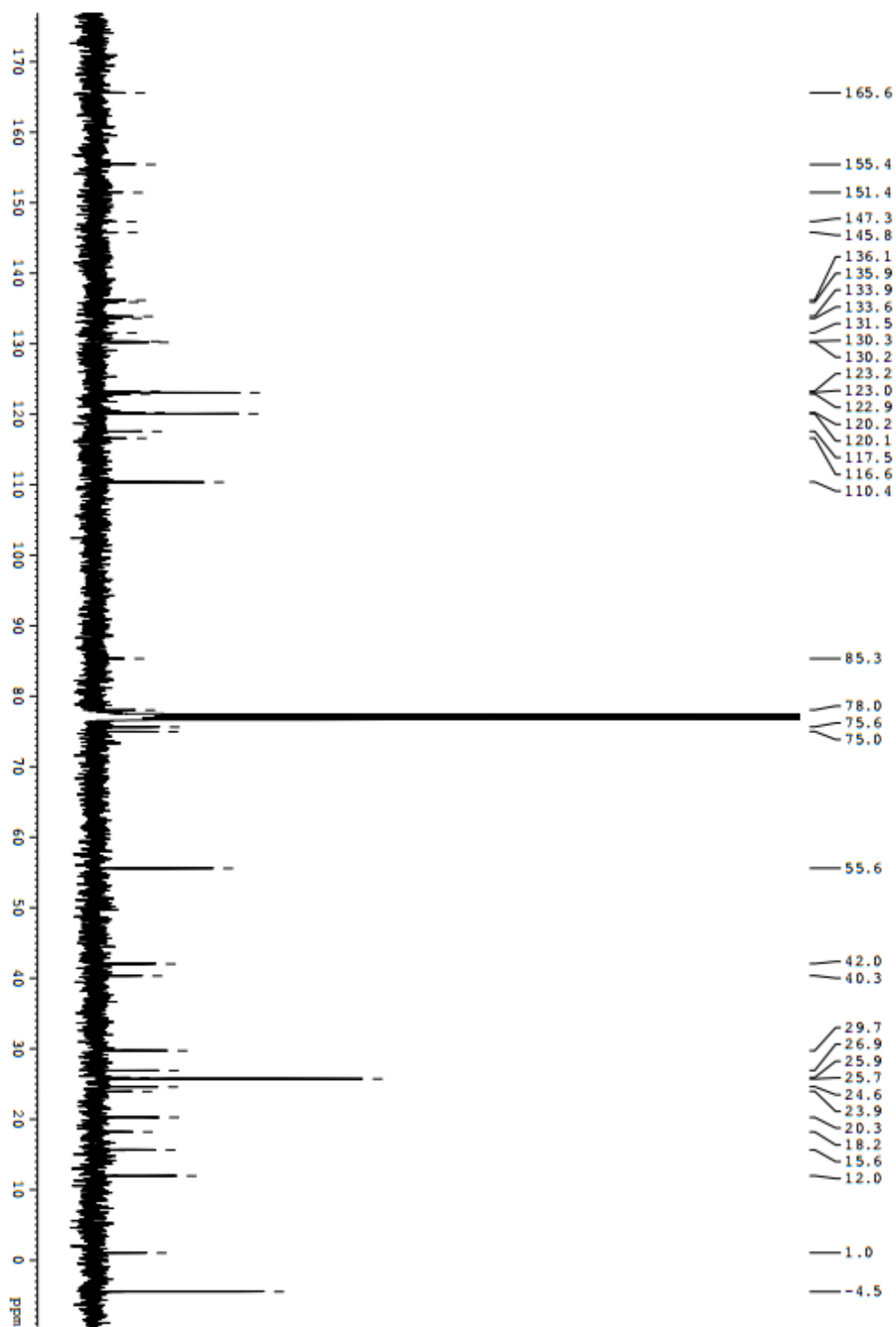


Figure 30: ^{13}C NMR of **22** and **23** (CDCl_3 , 100 MHz).

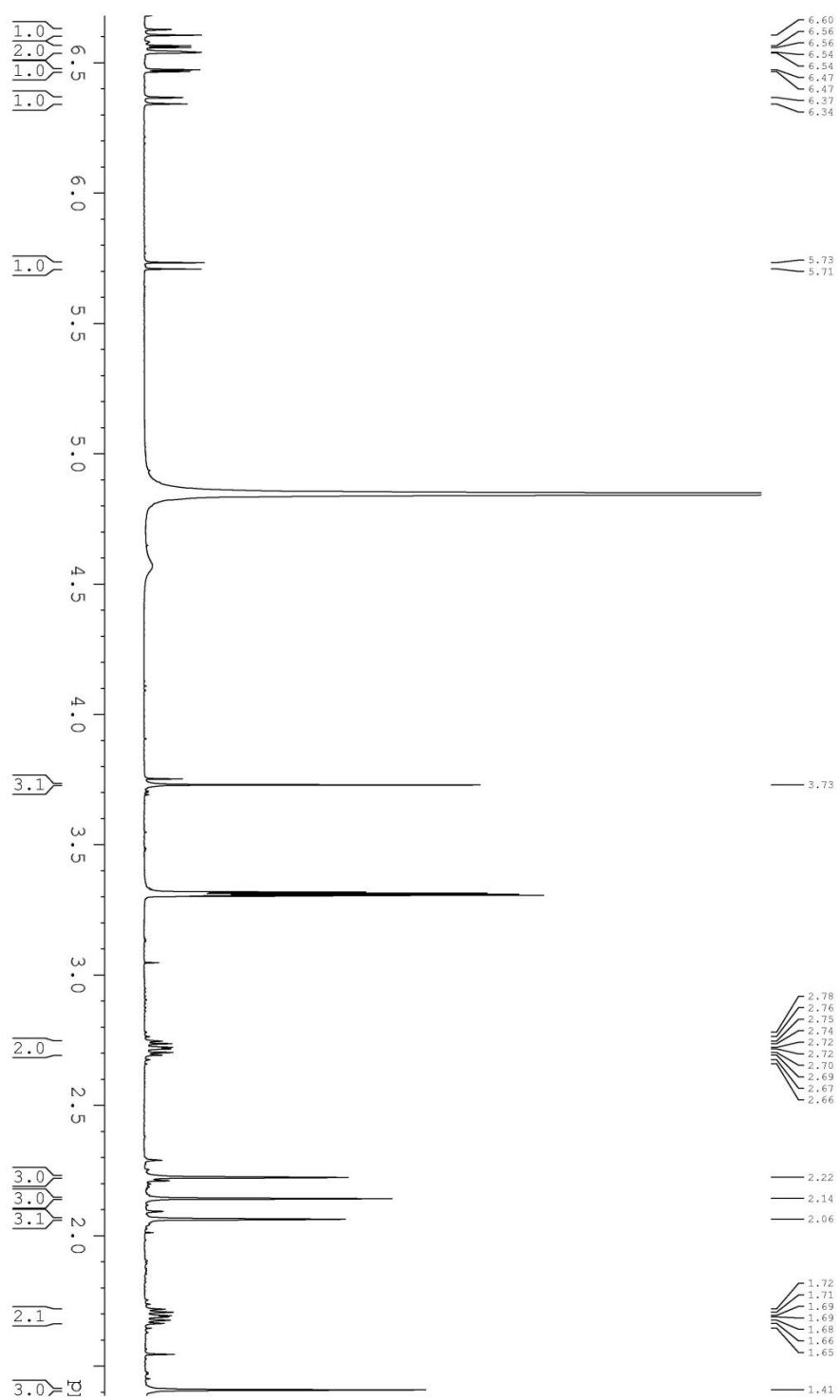


Figure 31: ^1H NMR of 5 (CD_3OD , 500 MHz).

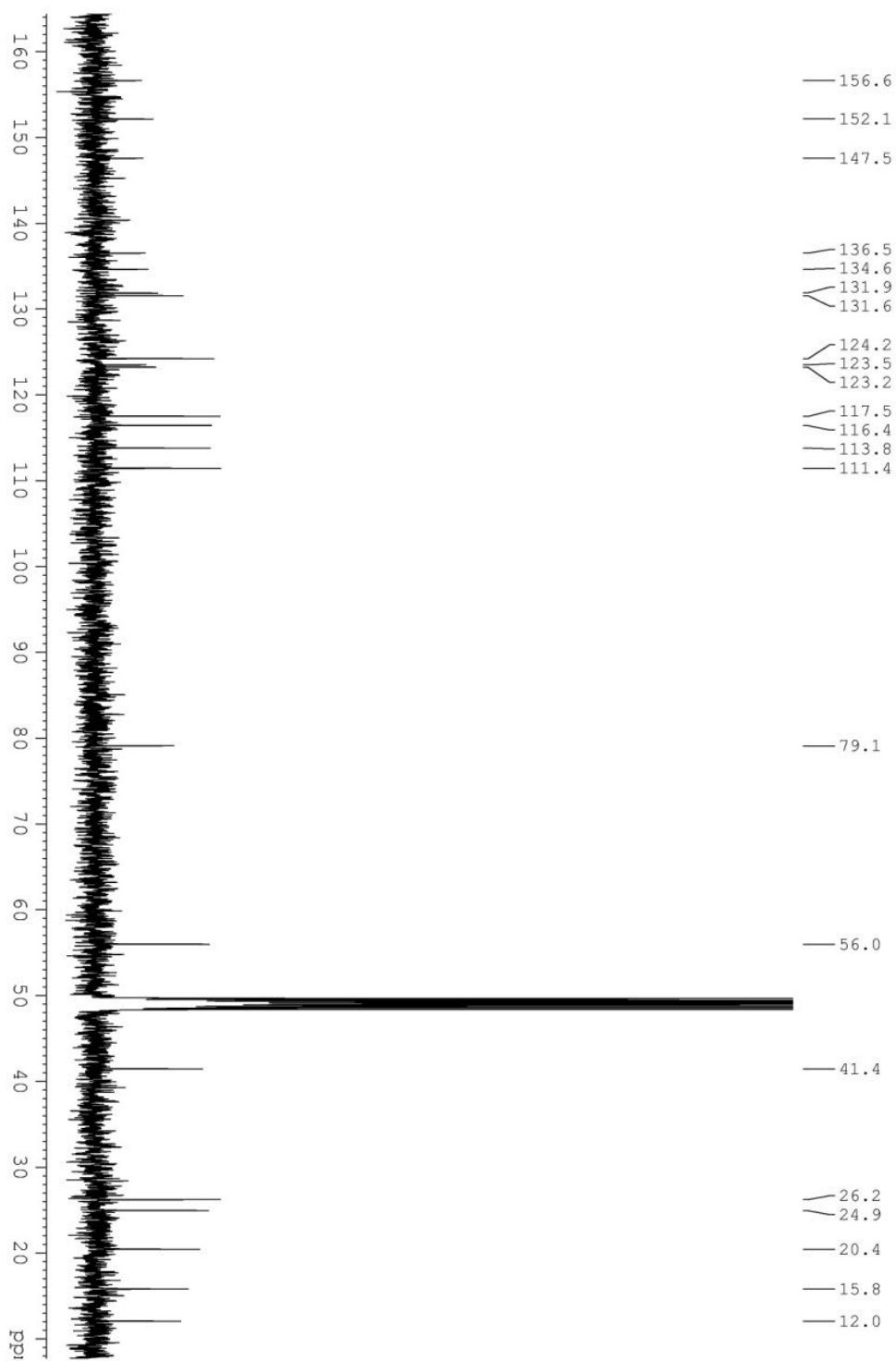


Figure 32: ^{13}C NMR of **5** (CD_3OD , 125 MHz).