

## Supporting Information

### Potent, Highly Selective, and Orally Bioavailable *Gem*-Difluorinated Monocationic Inhibitors of Neuronal Nitric Oxide Synthase

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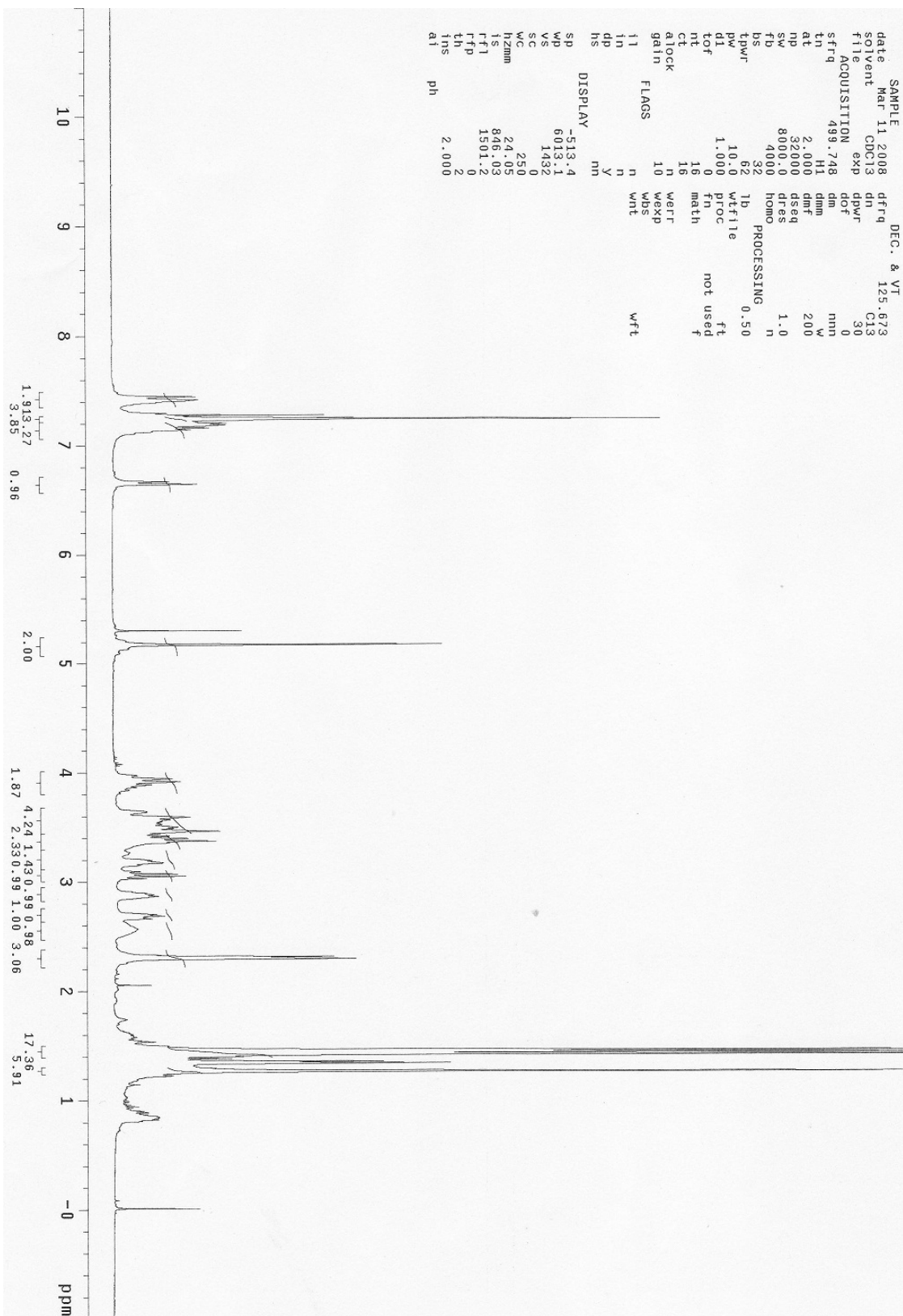


Figure S1. <sup>1</sup>H NMR spectrum of 9a or 9b.

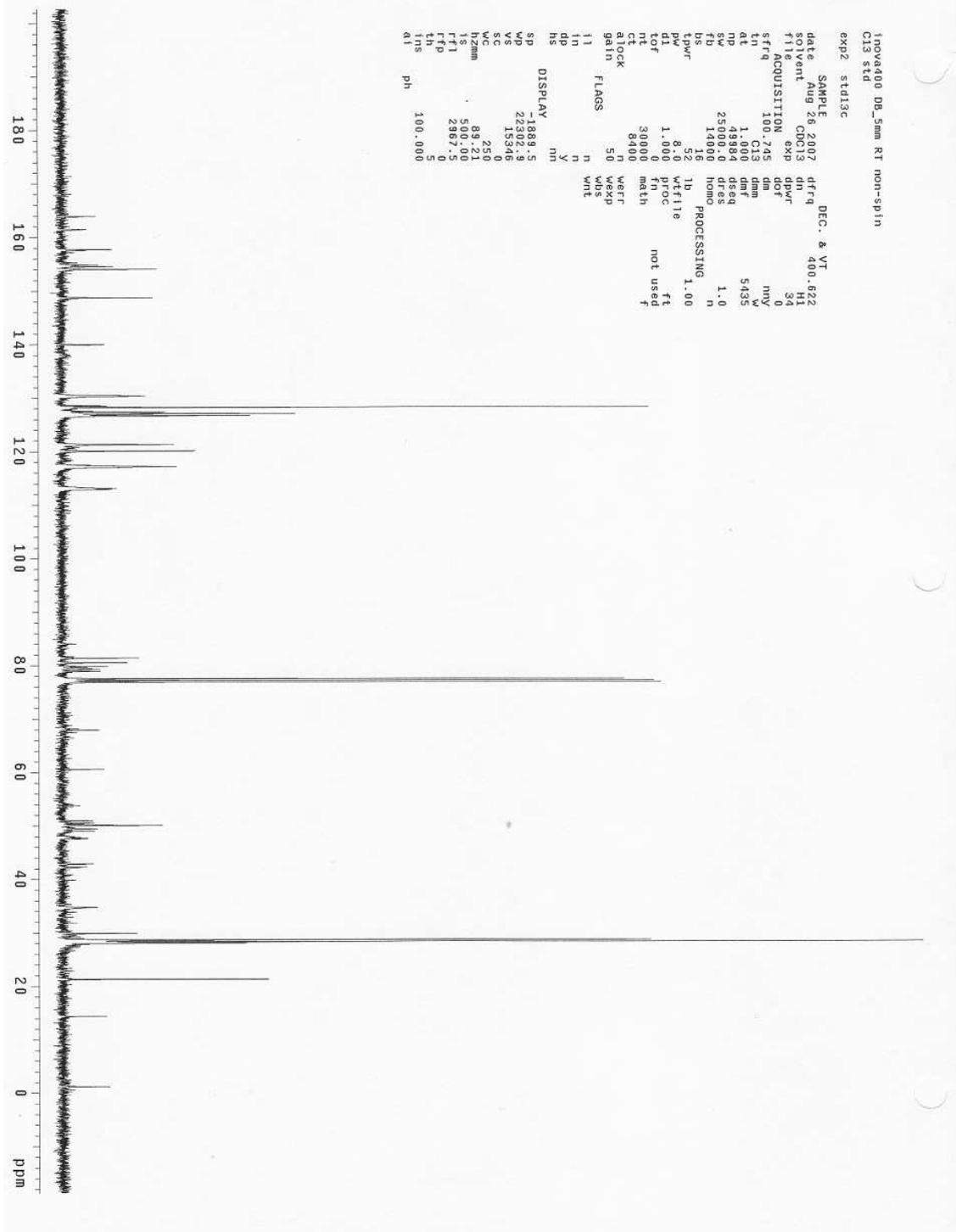
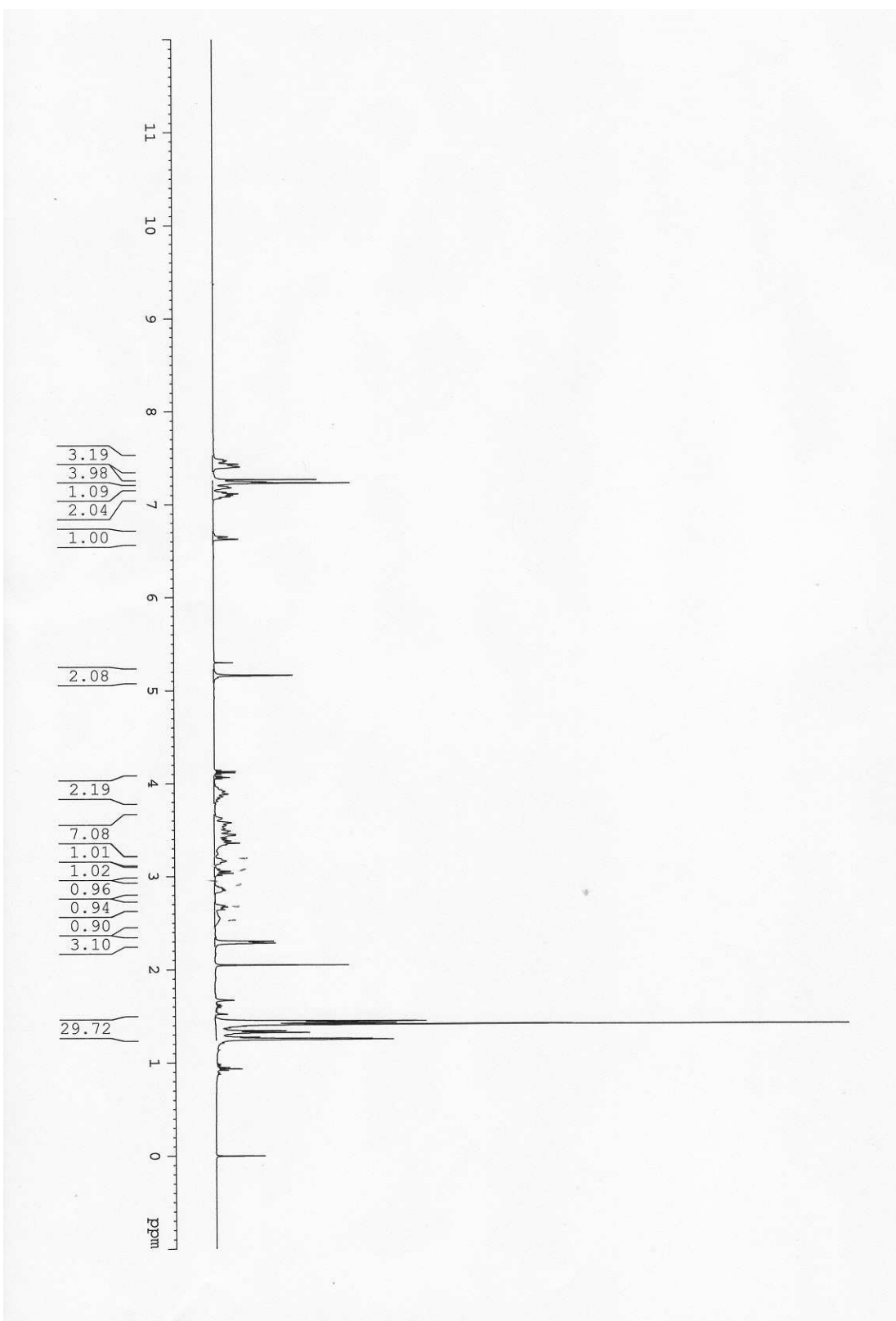


Figure S2.  $^{13}\text{C}$  NMR spectrum of **9a** or **9b**



**Figure S3.** <sup>1</sup>H NMR spectrum of **9c**.

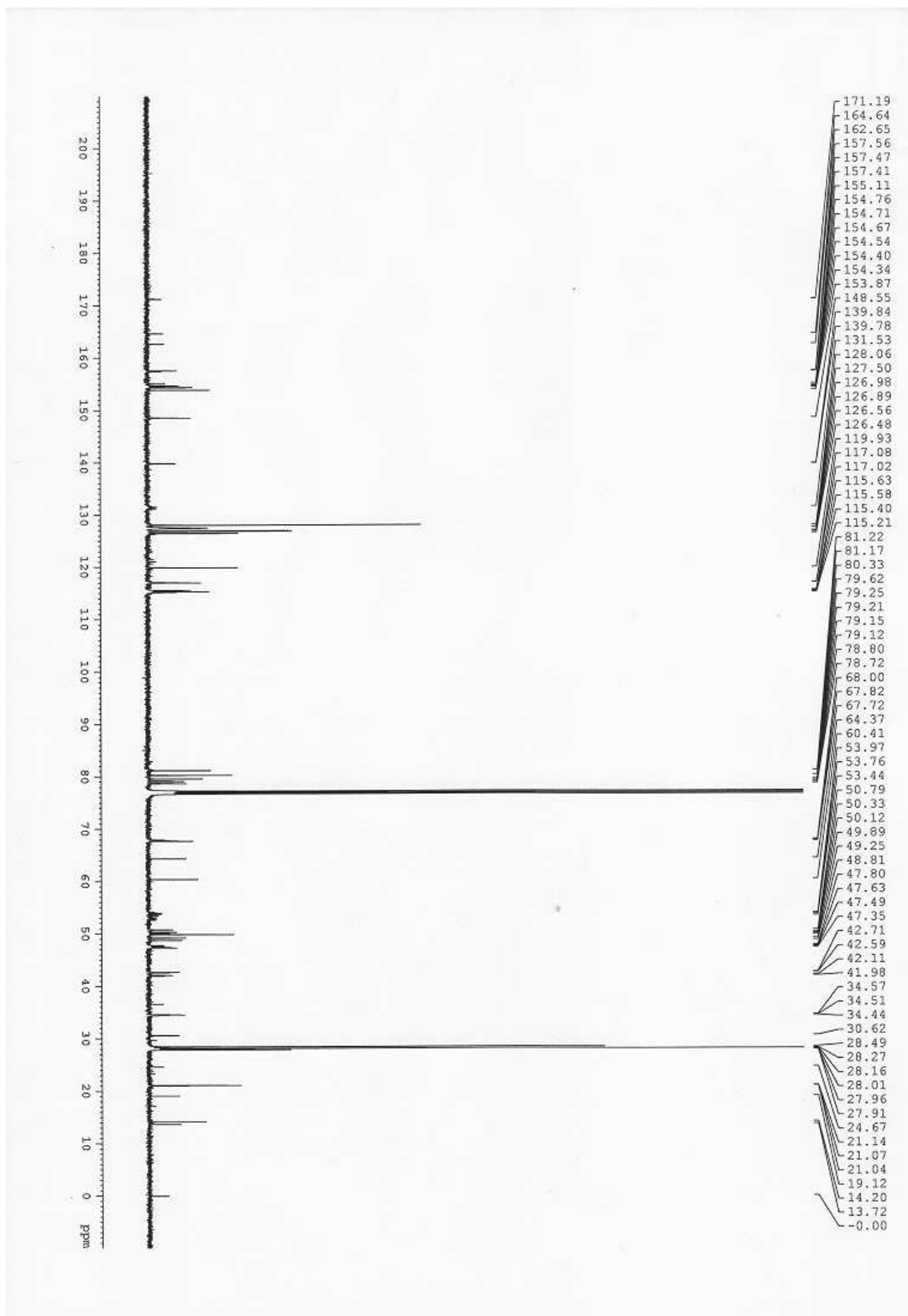
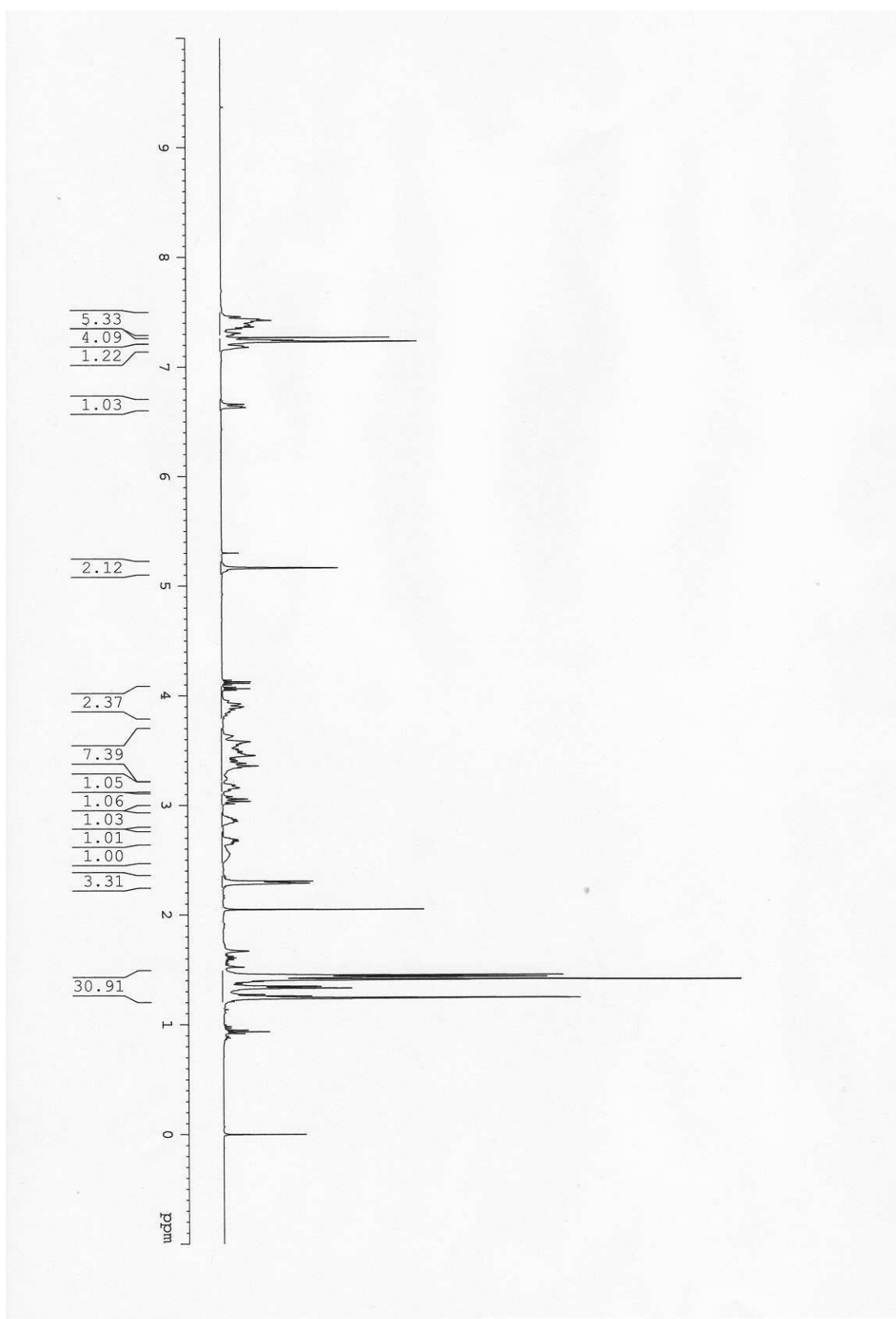


Figure S4.  $^{13}\text{C}$  NMR spectrum of **9c**.



**Figure S5.**  $^1\text{H}$  NMR spectrum of **9d**.

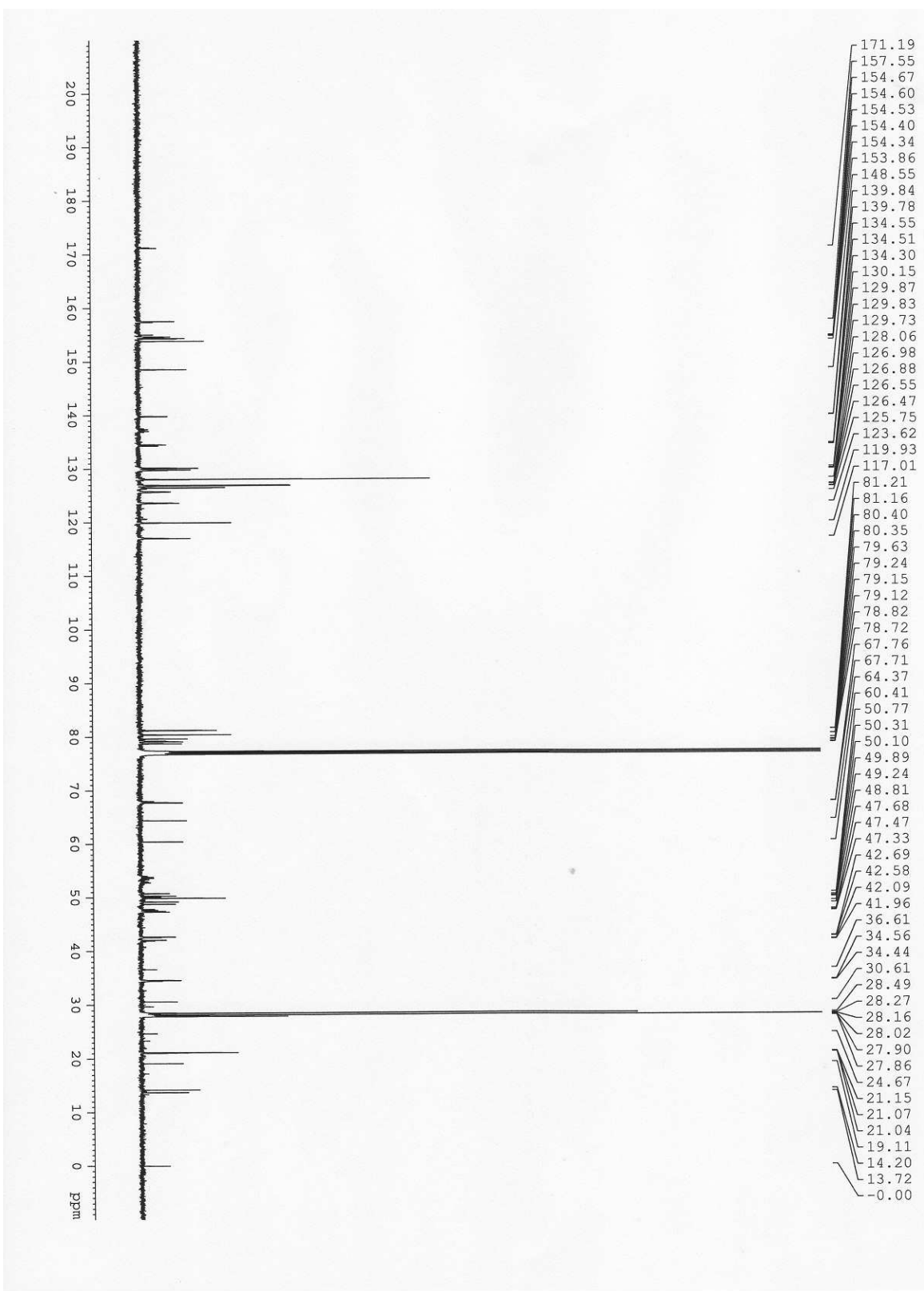
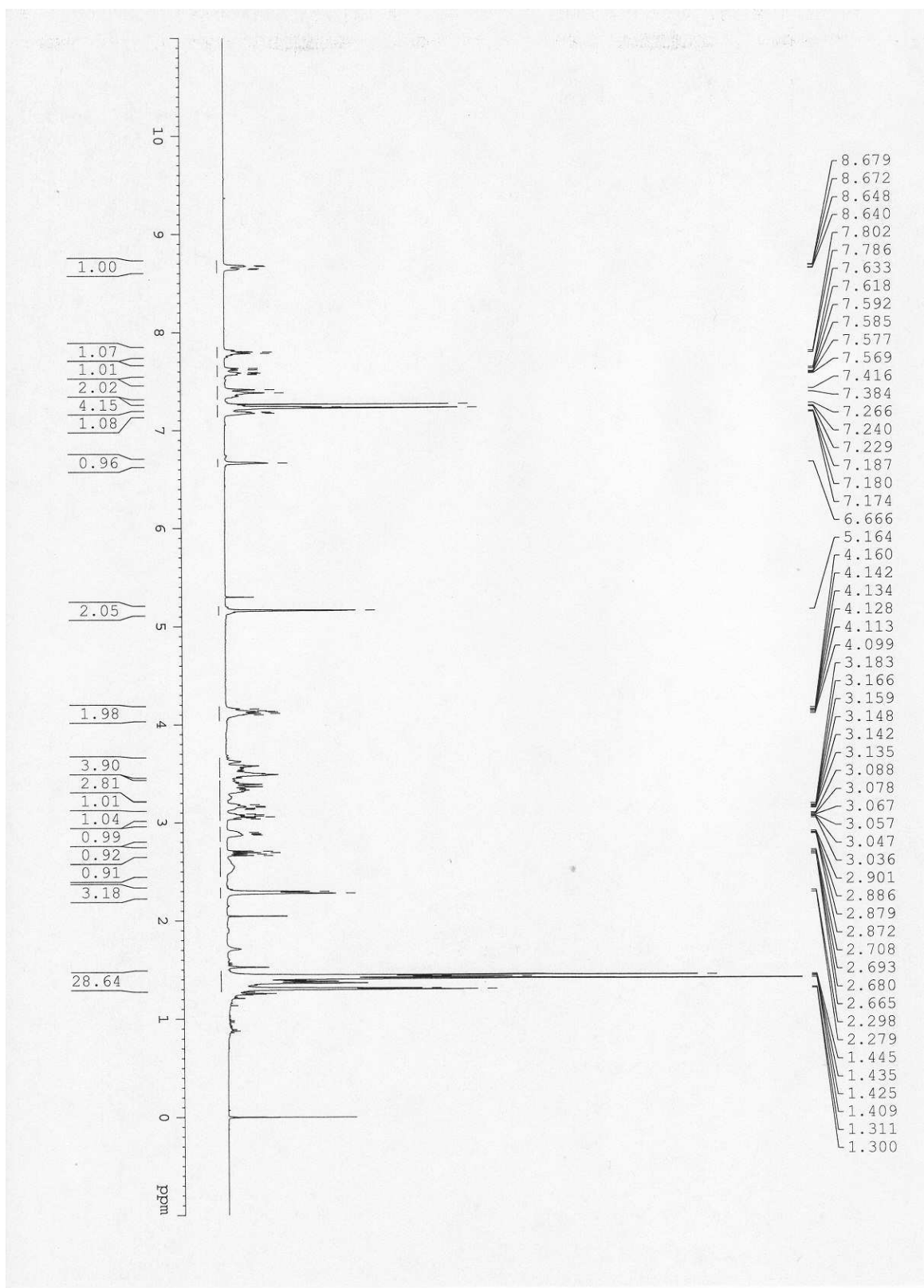
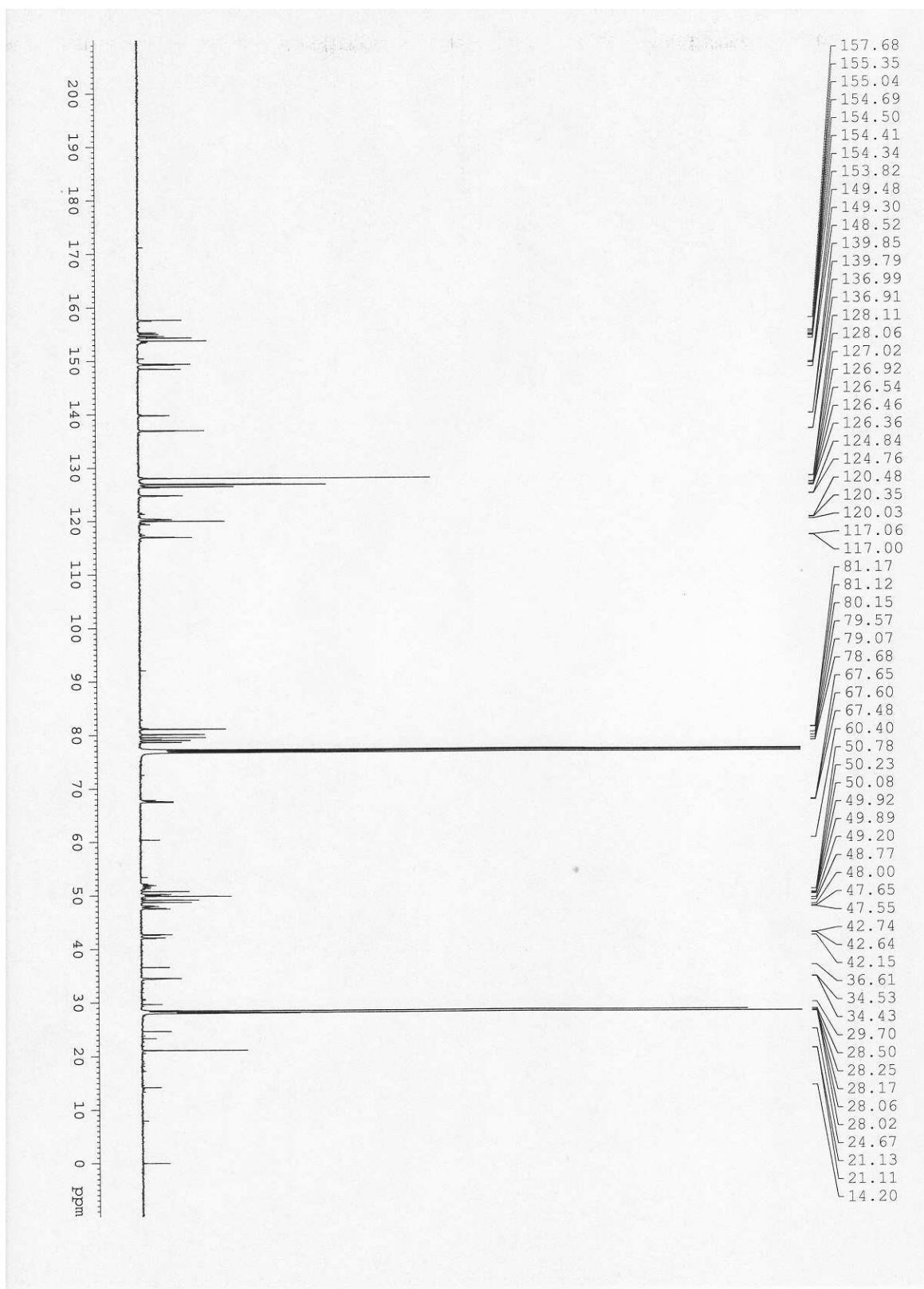


Figure S6.  $^{13}\text{C}$  NMR spectrum of **9d**.



**Figure S7.**  $^1\text{H}$  NMR spectrum of **9f**.





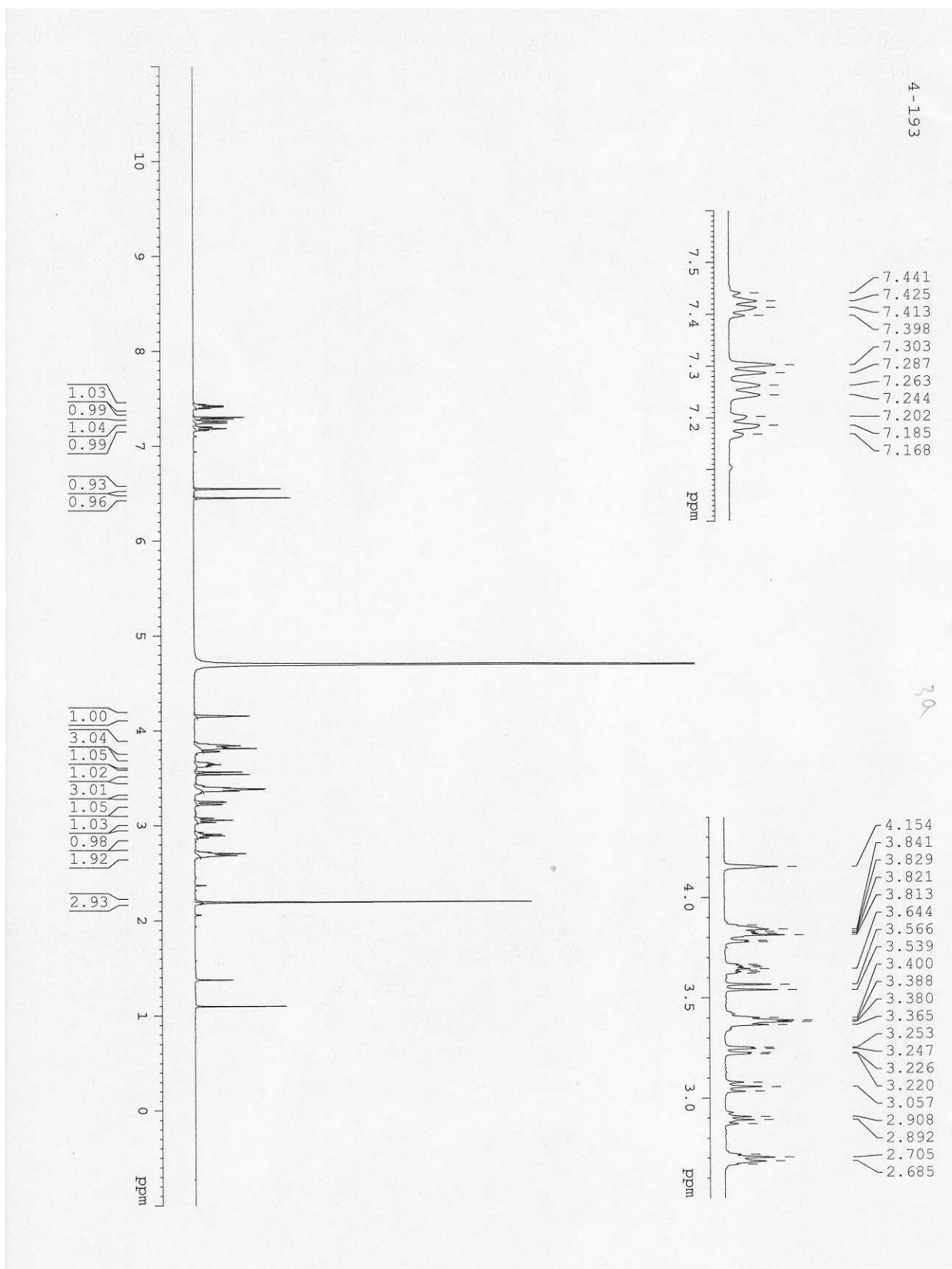


Figure S9.  $^1\text{H}$  NMR spectrum of **3a**.

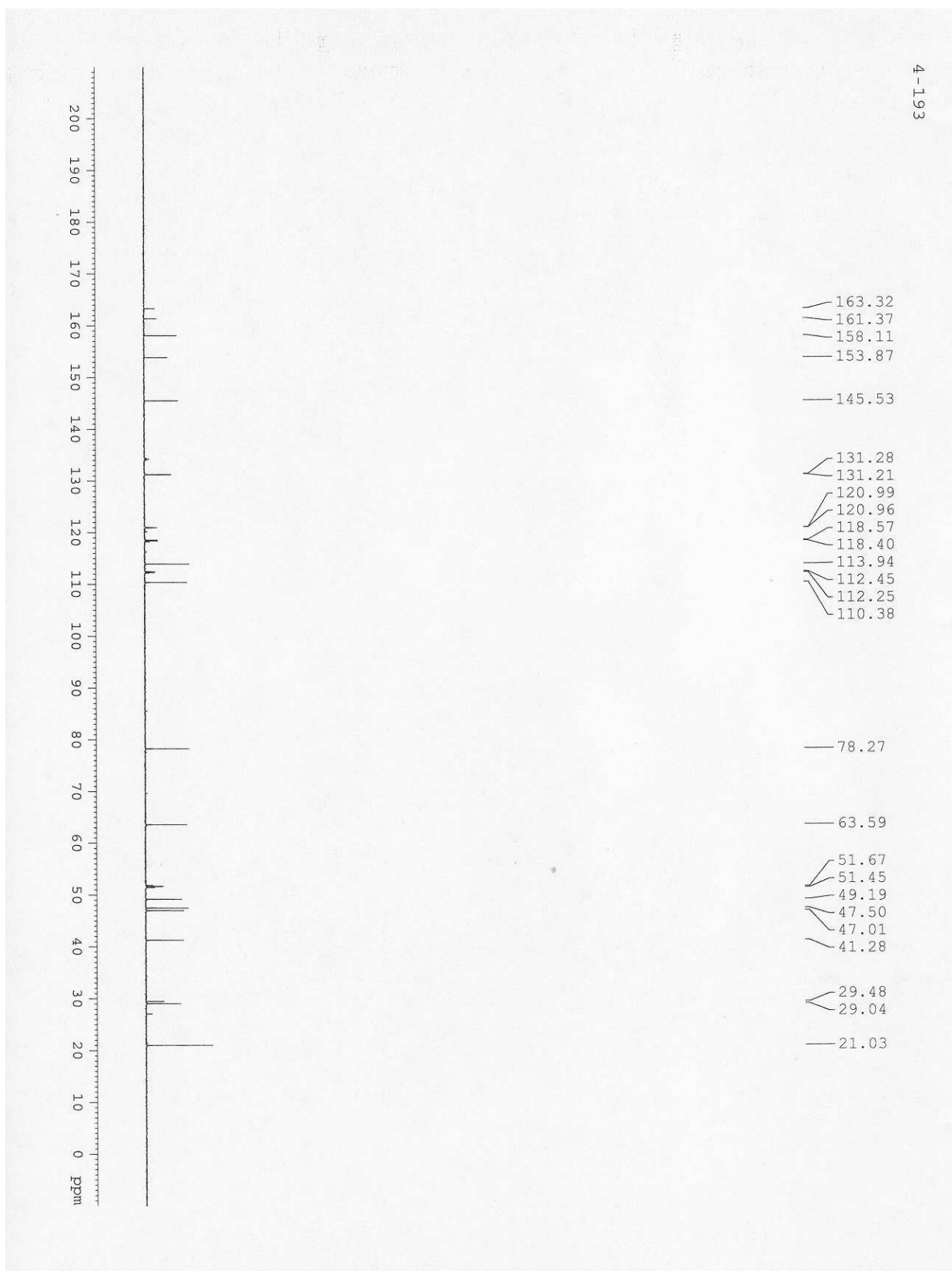
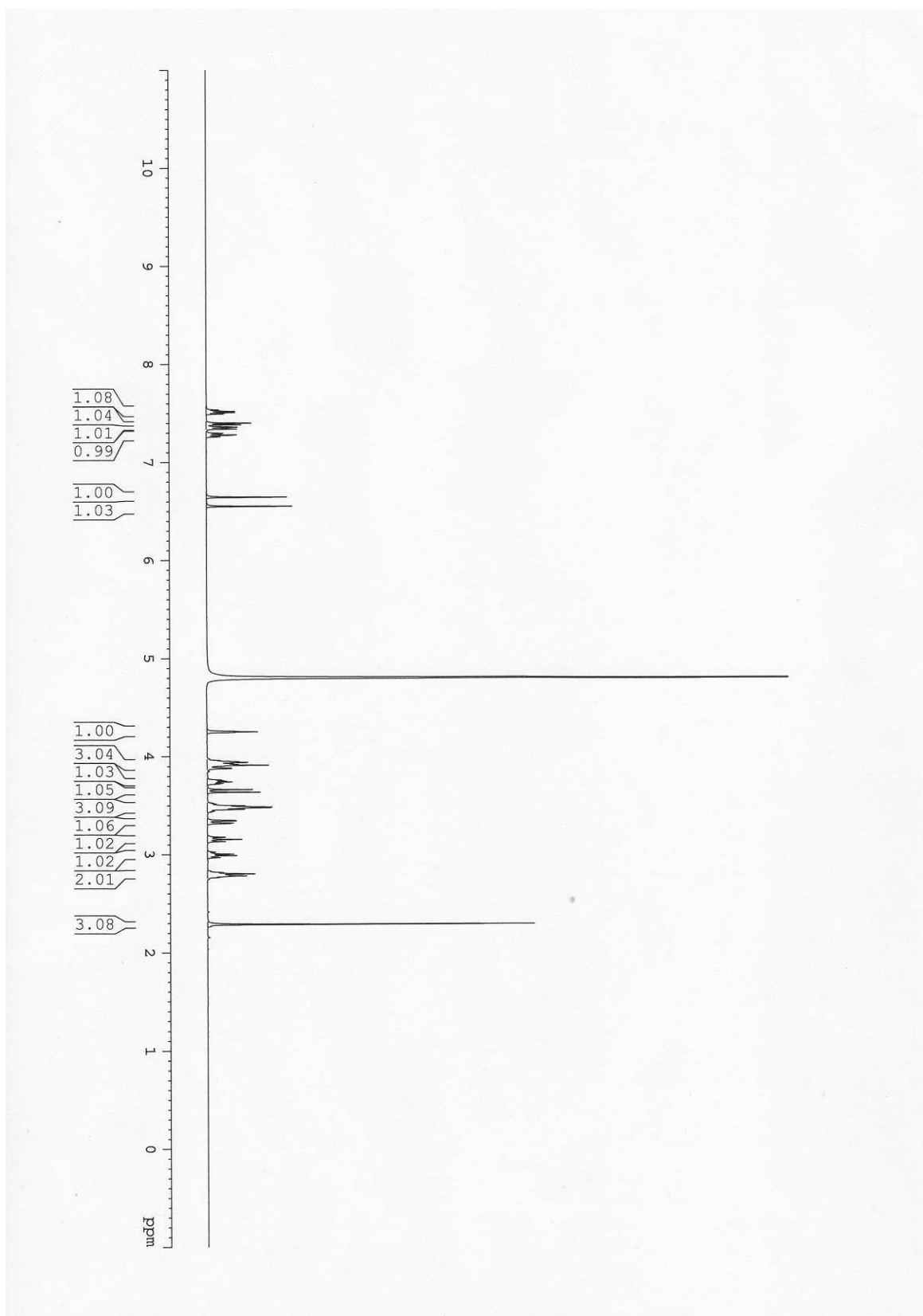
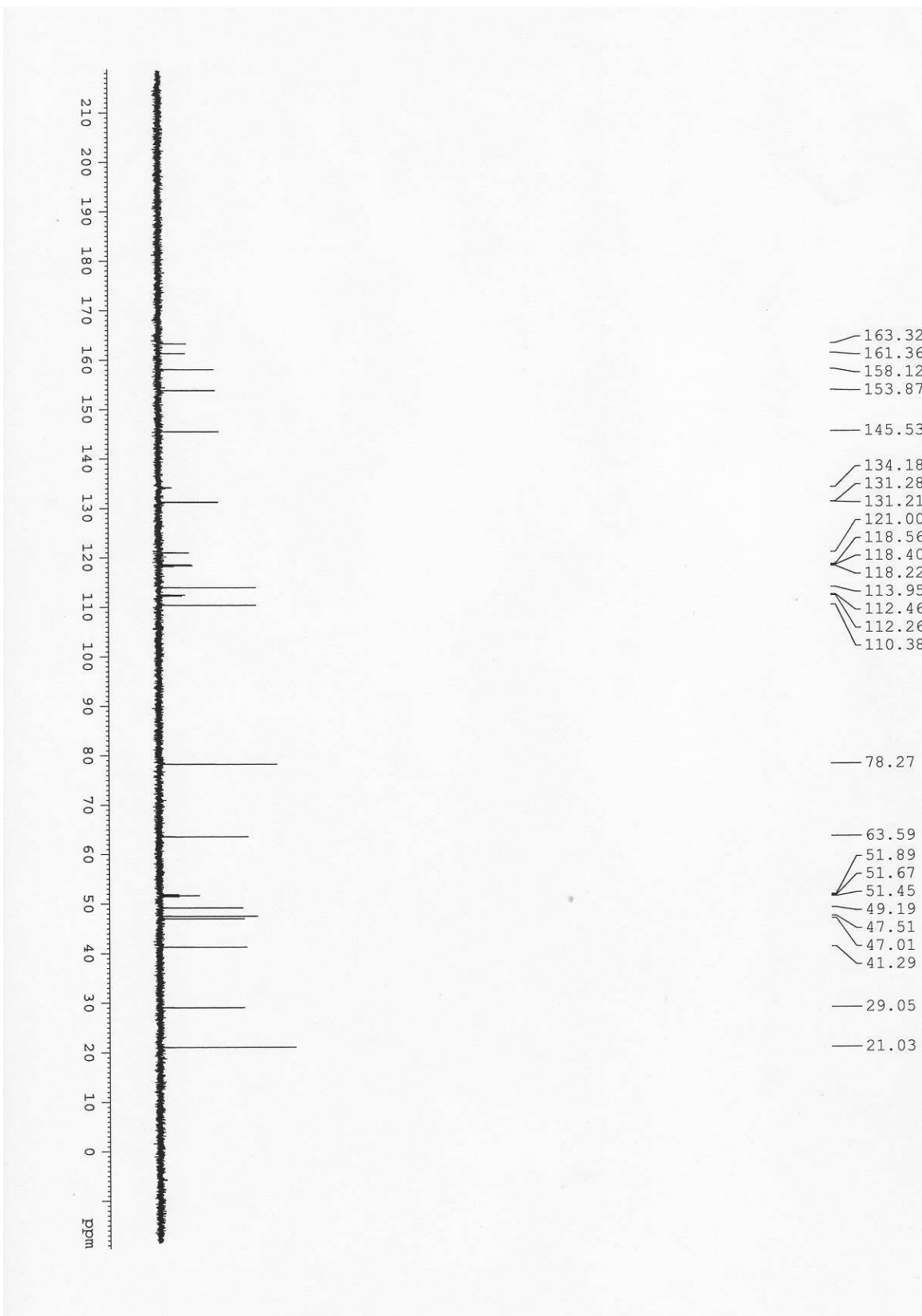


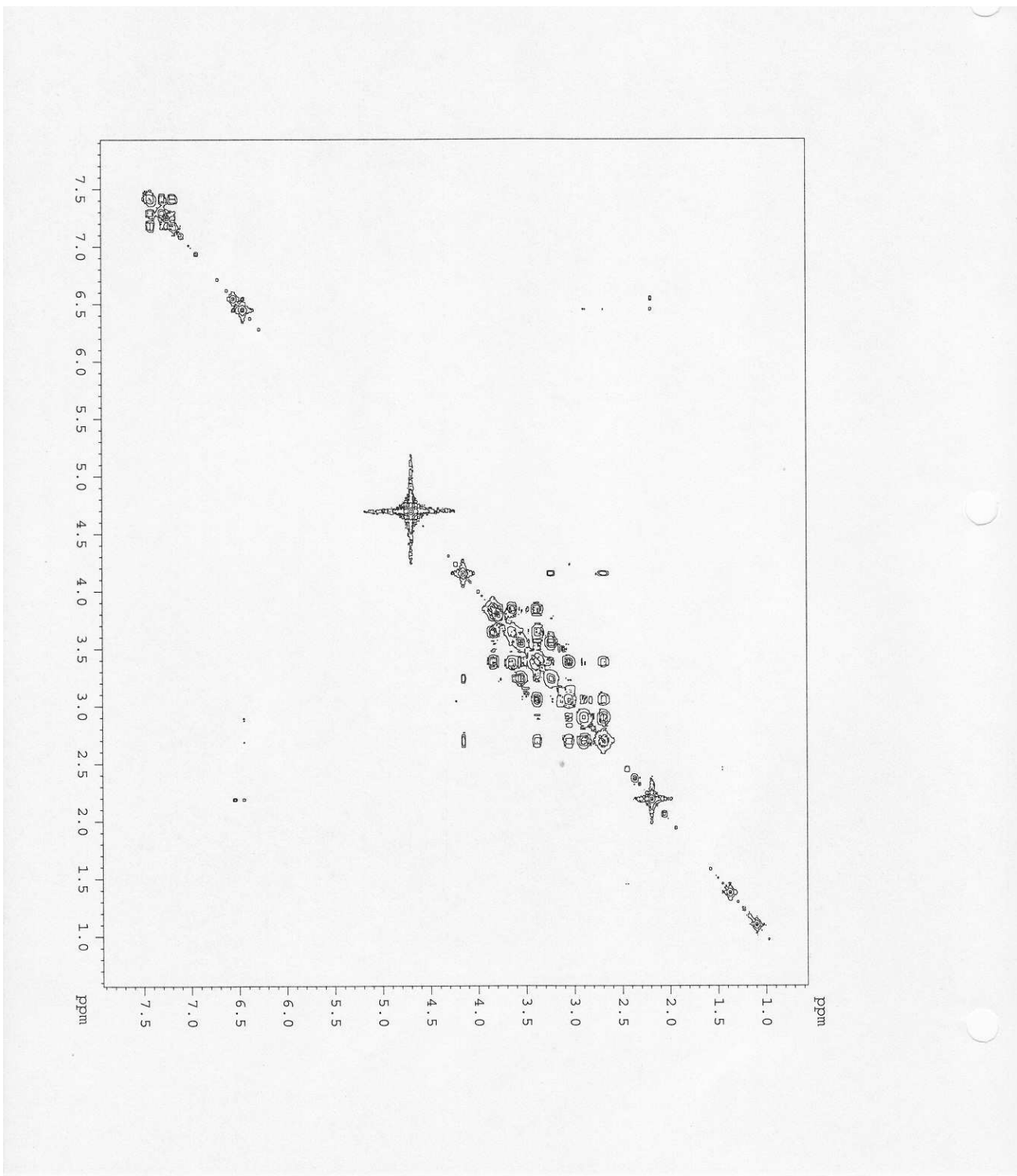
Figure S10.  $^{13}\text{C}$  NMR spectrum of 3a.



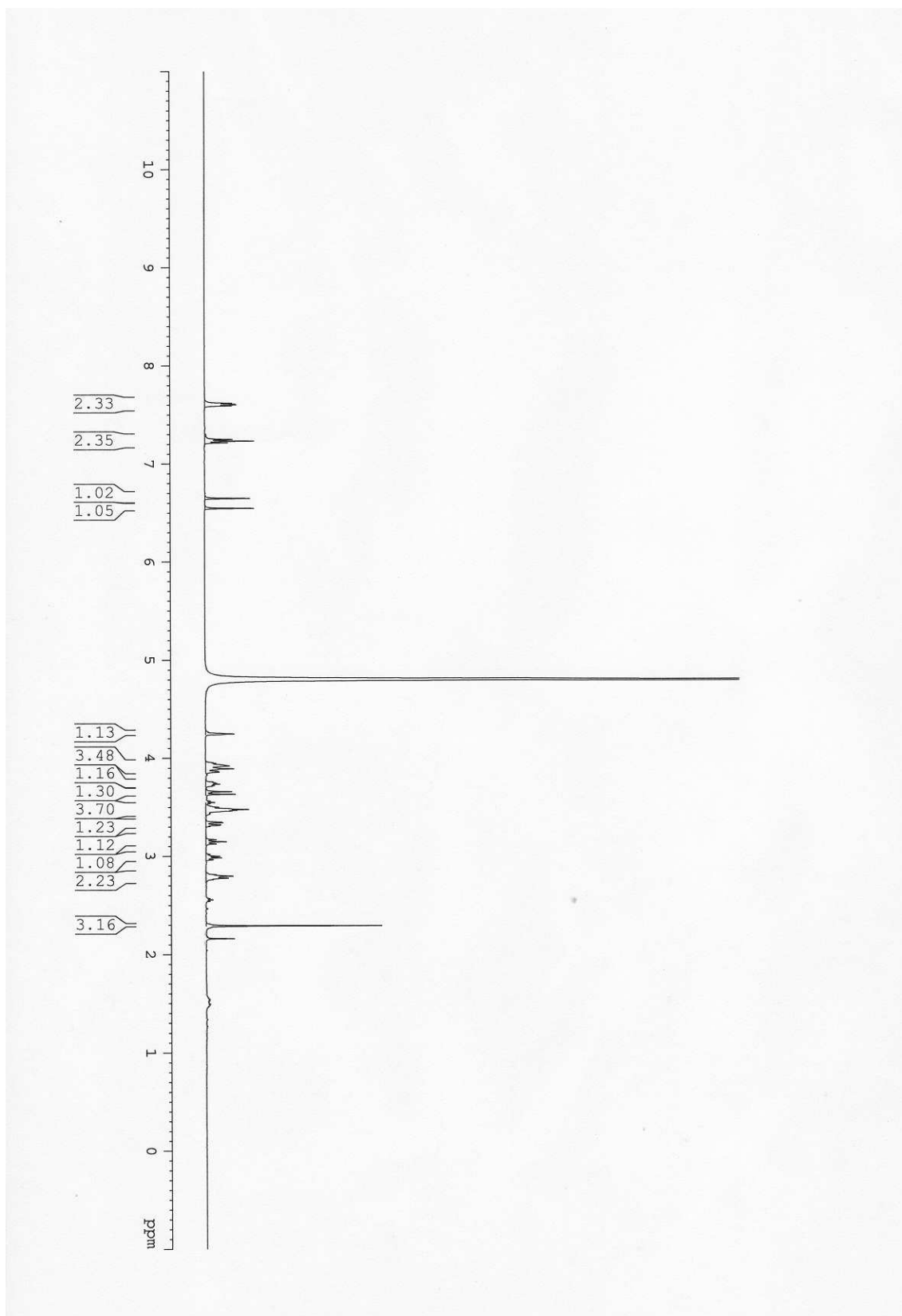
**Figure S11.**  $^1\text{H}$  NMR spectrum of **3b**.



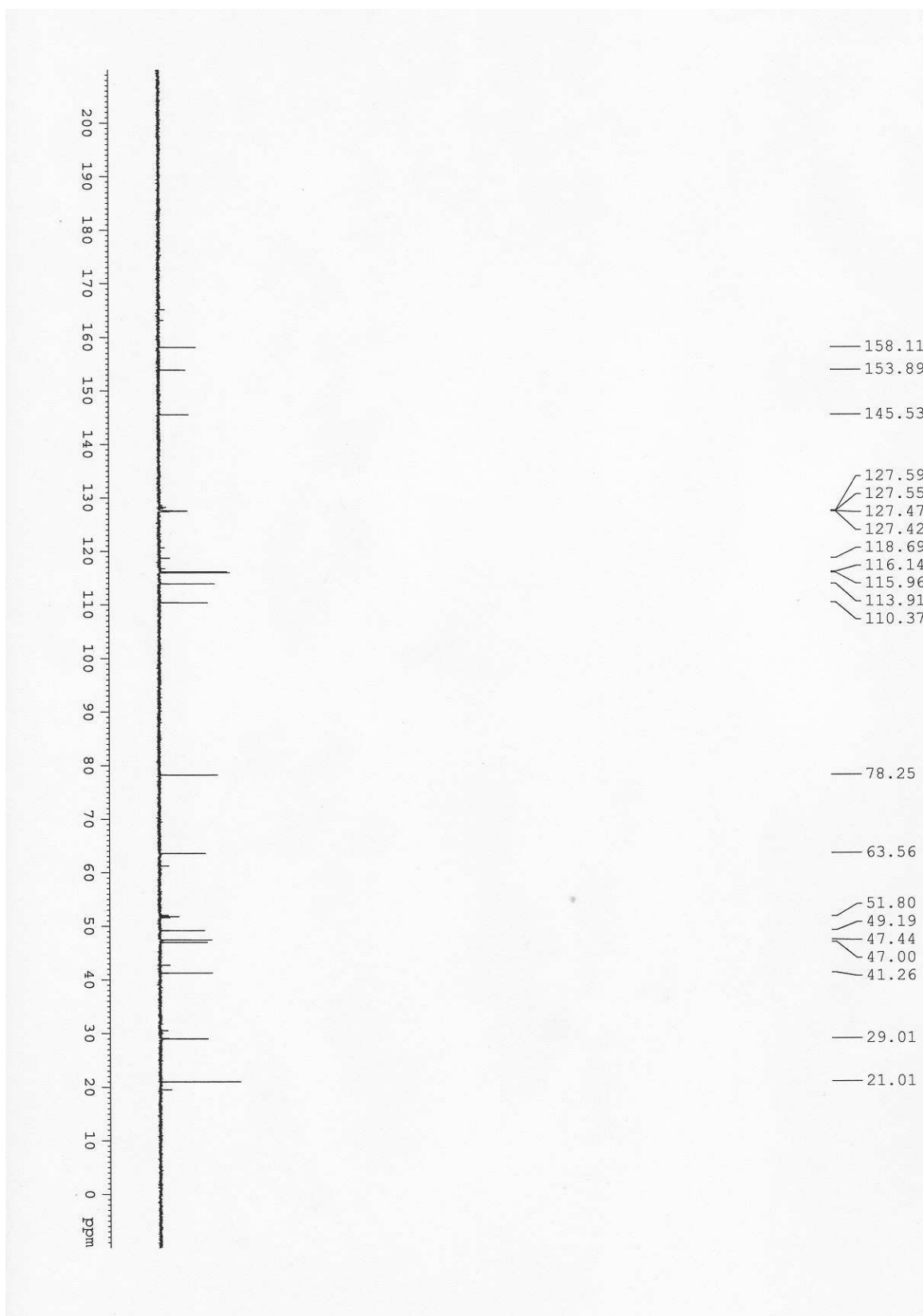
**Figure S12.** <sup>13</sup>C NMR spectrum of **3b**.



**Figure S13.** COSY NMR spectrum of **3b**.

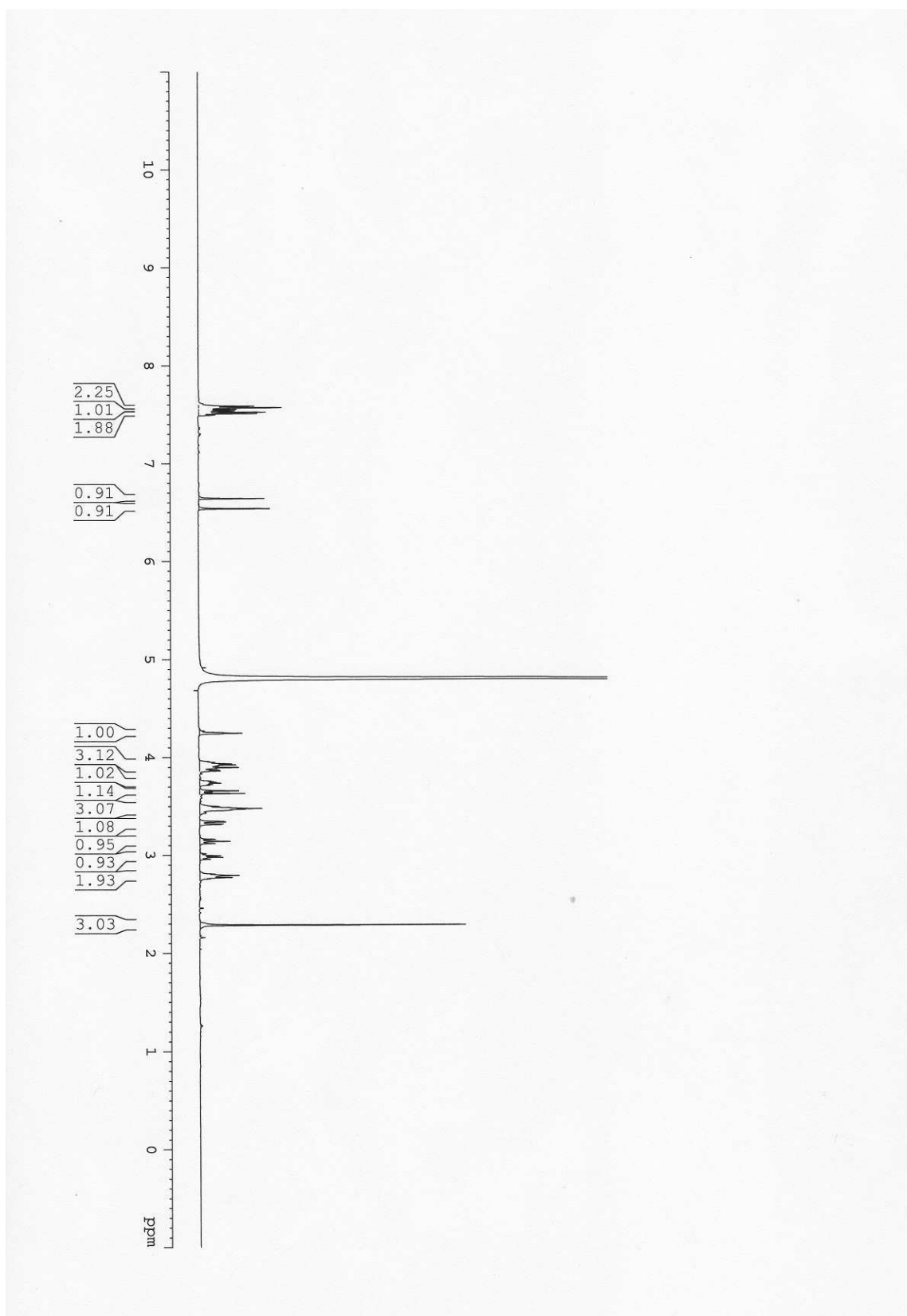


**Figure S14.**  $^1\text{H}$  NMR spectrum of **3c**.



**Figure S15.**  $^{13}\text{C}$  NMR spectrum of **3c**.





**Figure S16.**  $^1\text{H}$  NMR spectrum of **3d**.

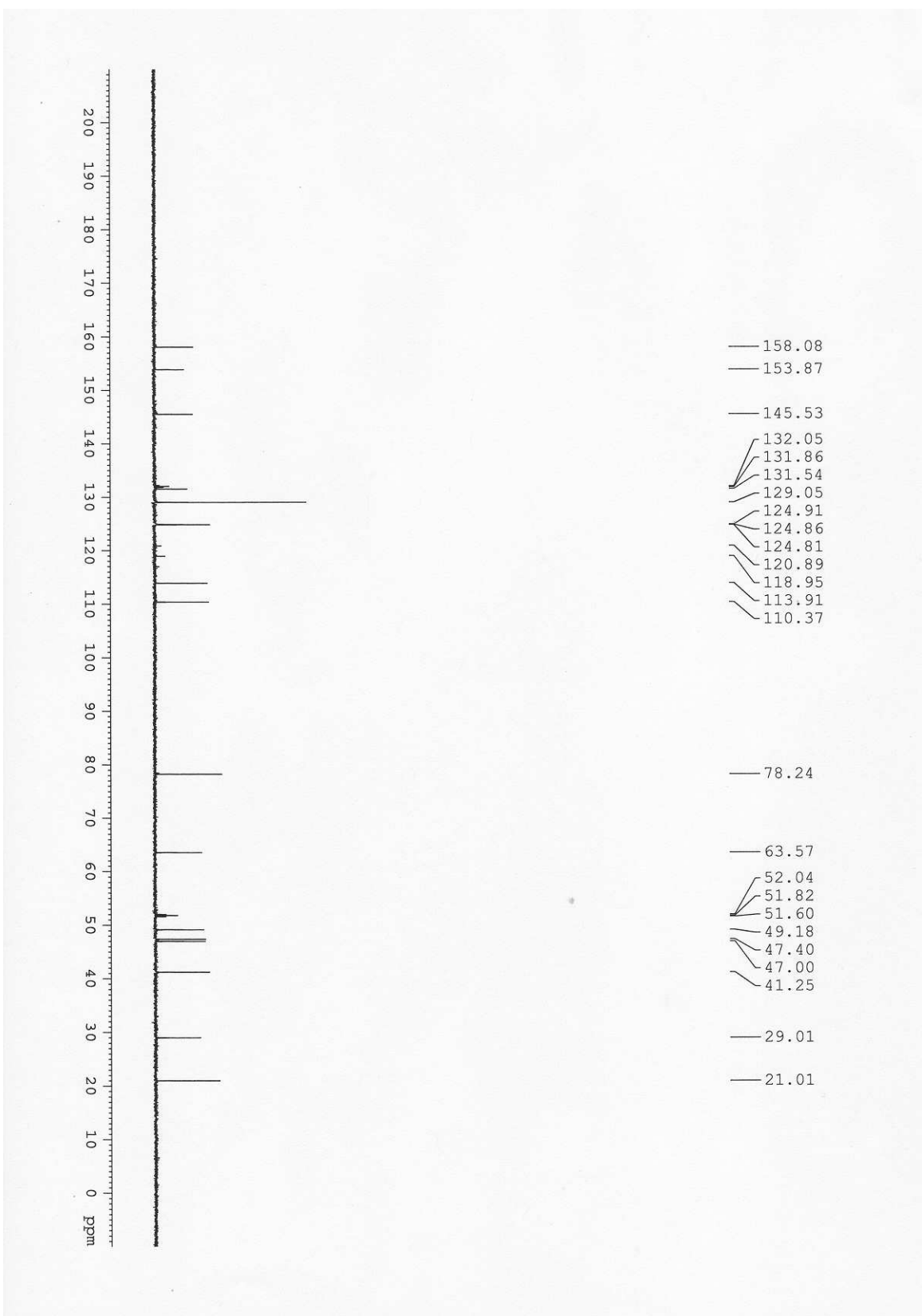
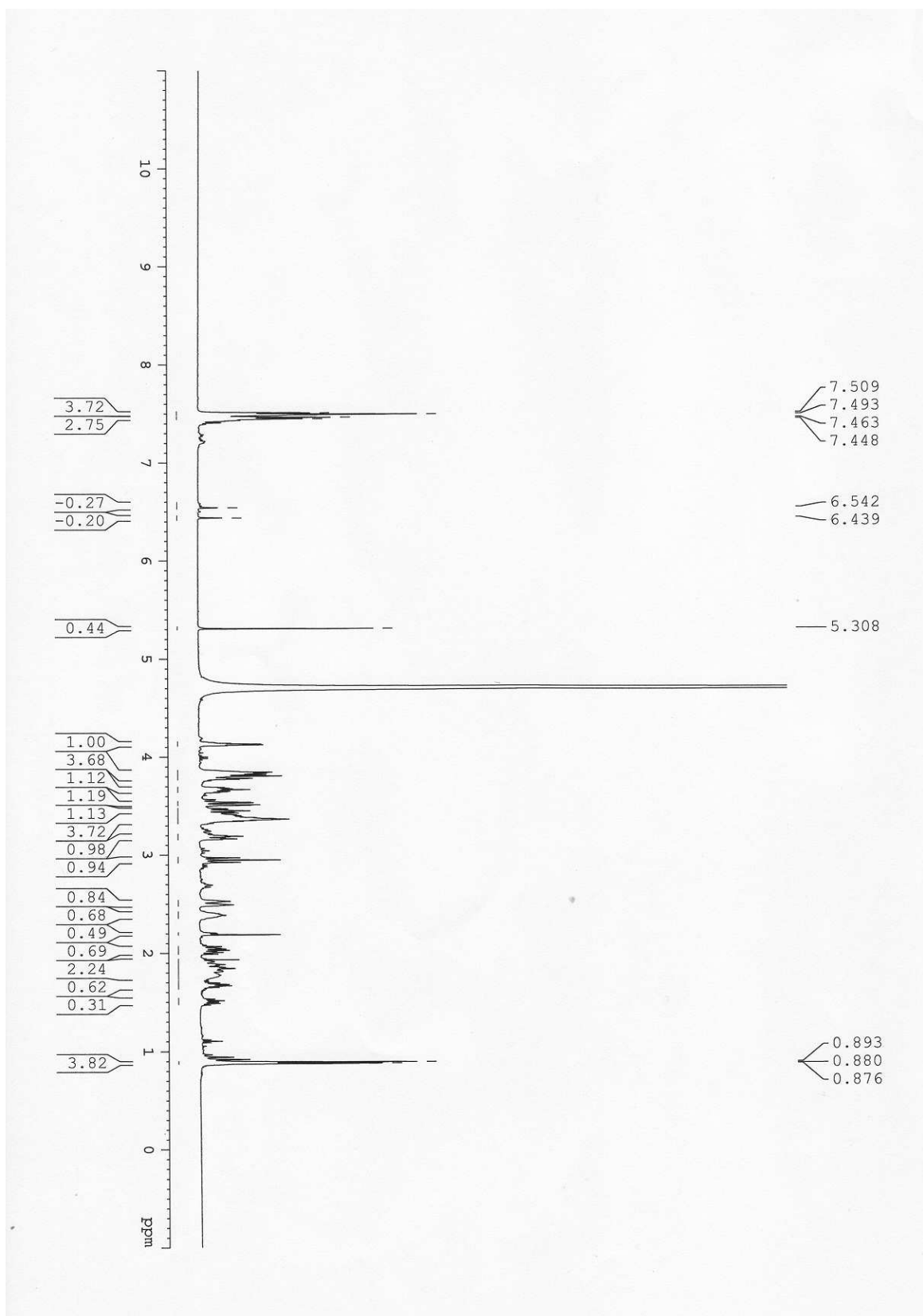


Figure S17.  $^{13}\text{C}$  NMR spectrum of 3d.



**Figure S18.**  $^1\text{H}$  NMR spectrum of **3e**.

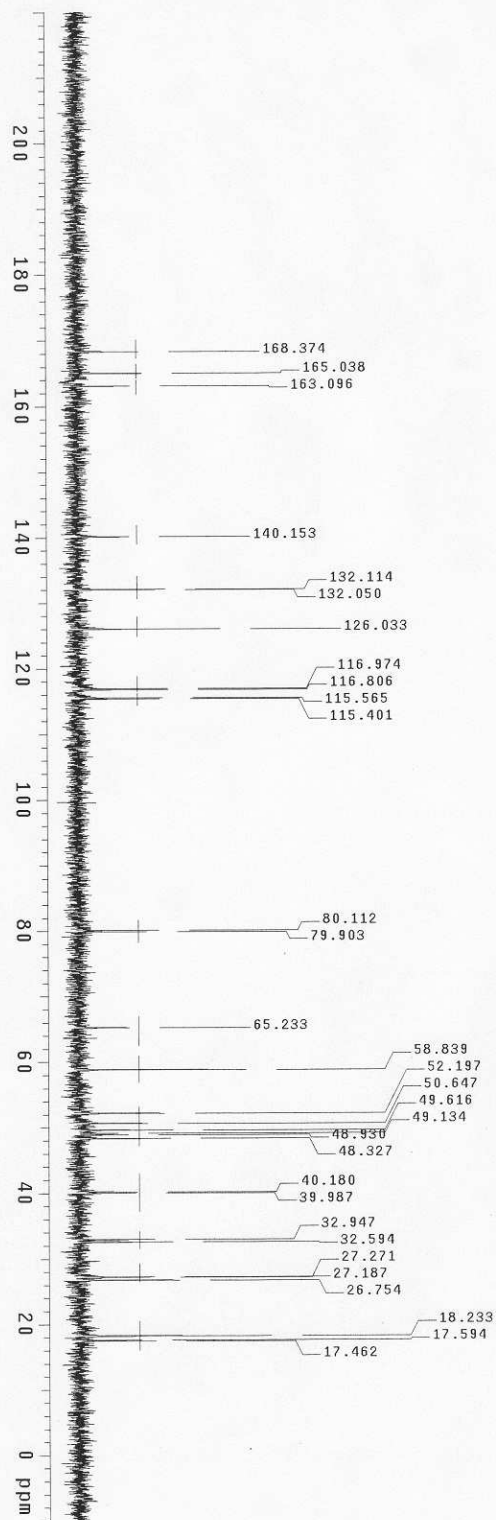
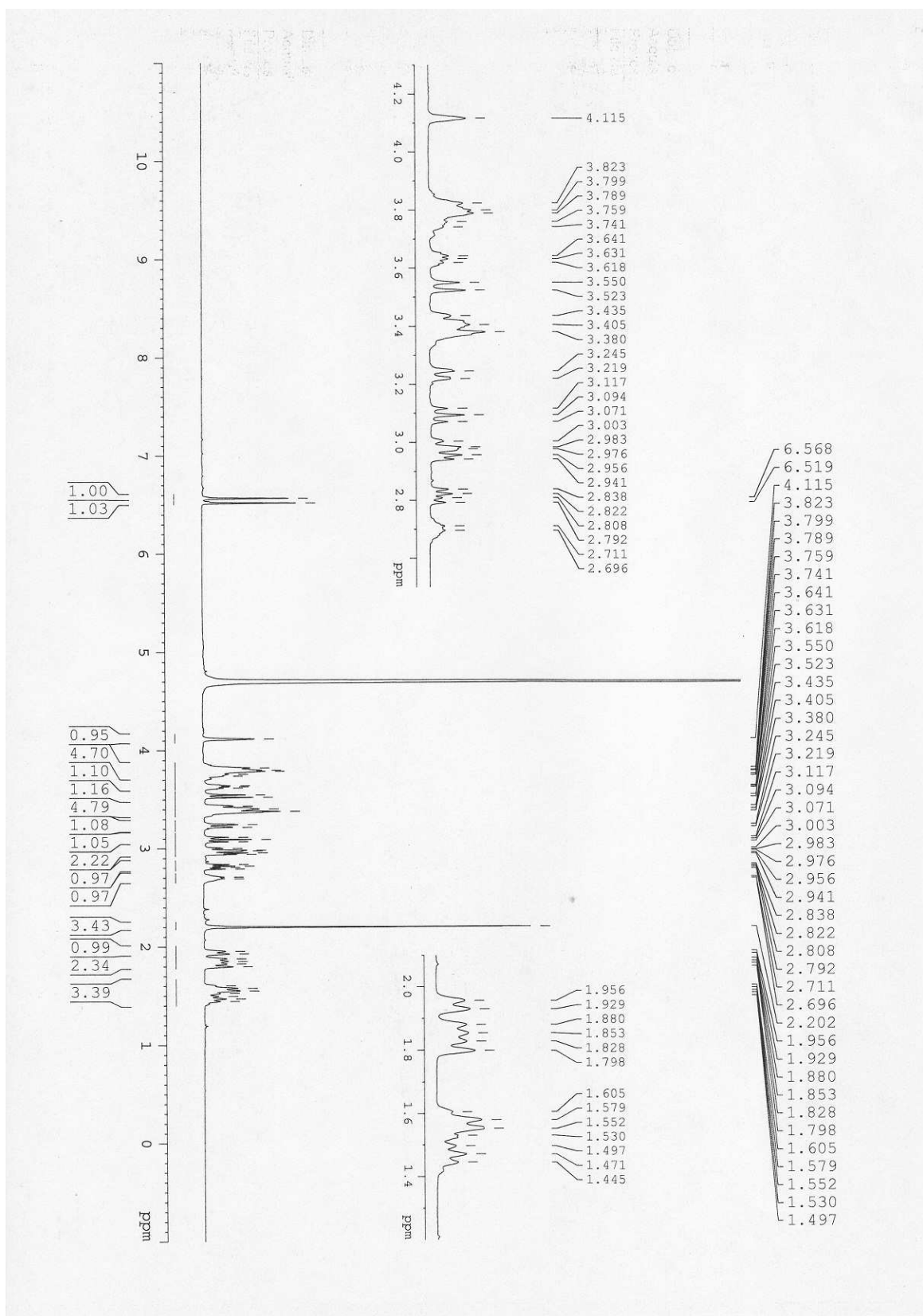


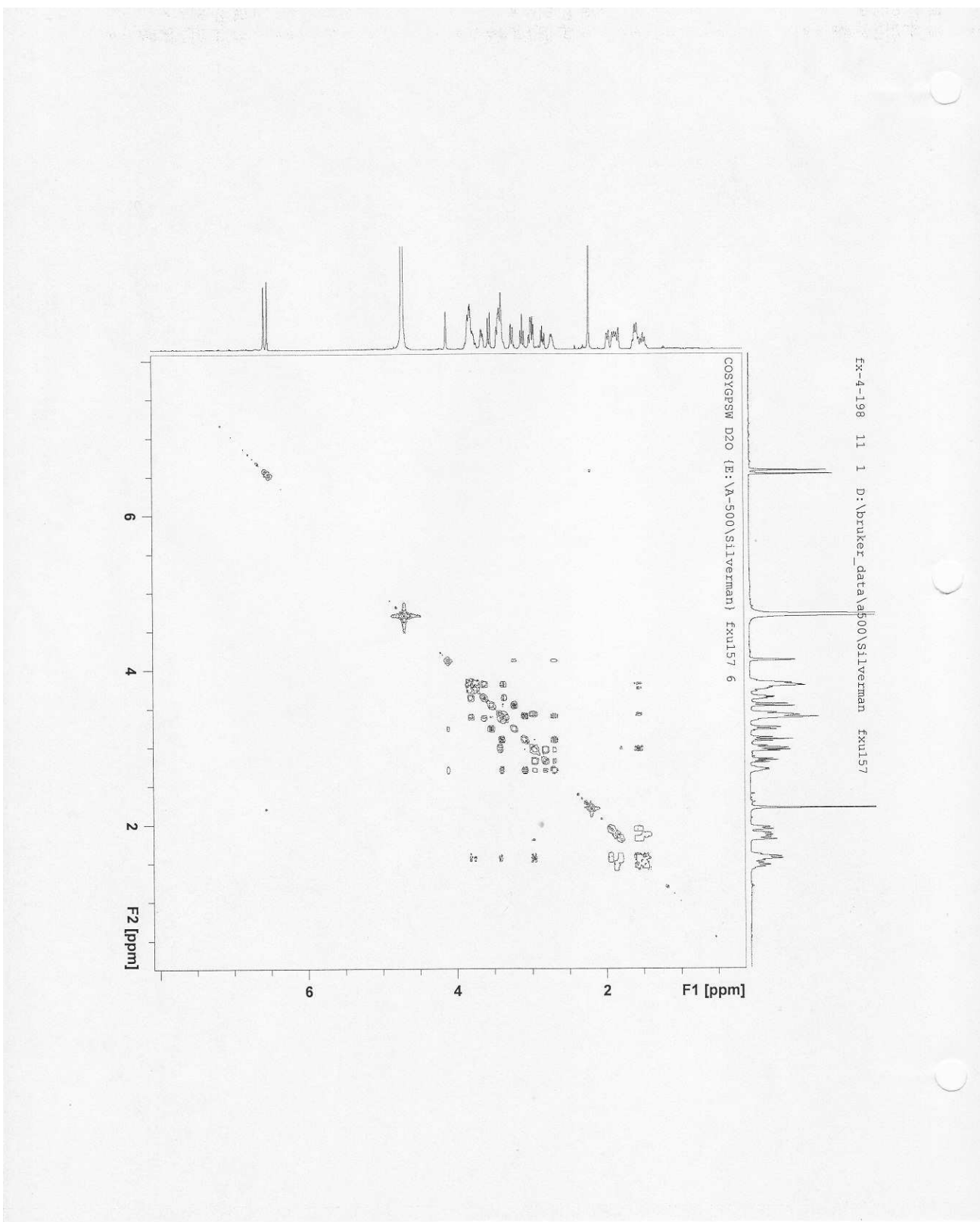
Figure S19.  $^{13}\text{C}$  NMR spectrum of **3e**.



**Figure S20.**  $^1\text{H}$  NMR spectrum of **3f**.



**Figure S21.**  $^{13}\text{C}$  NMR spectrum of **3f**.



**Figure S22.** COSY NMR spectrum of **3f**.