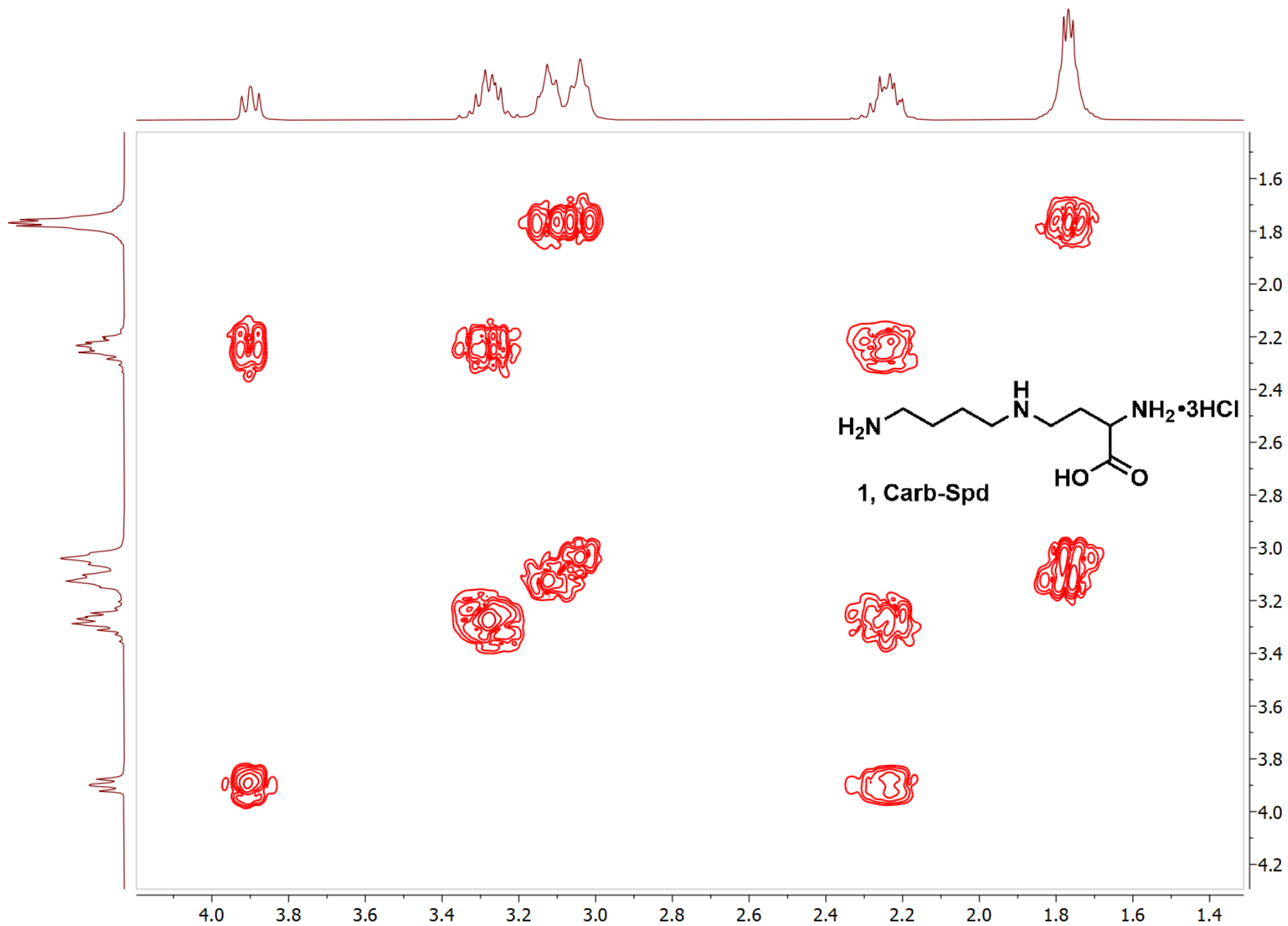


**Figure S1.**  $^1\text{H}$  NMR spectrum of Carb-Spd, **1**.





**Figure S3.** COSY spectrum of Carb-Spd, **1**.

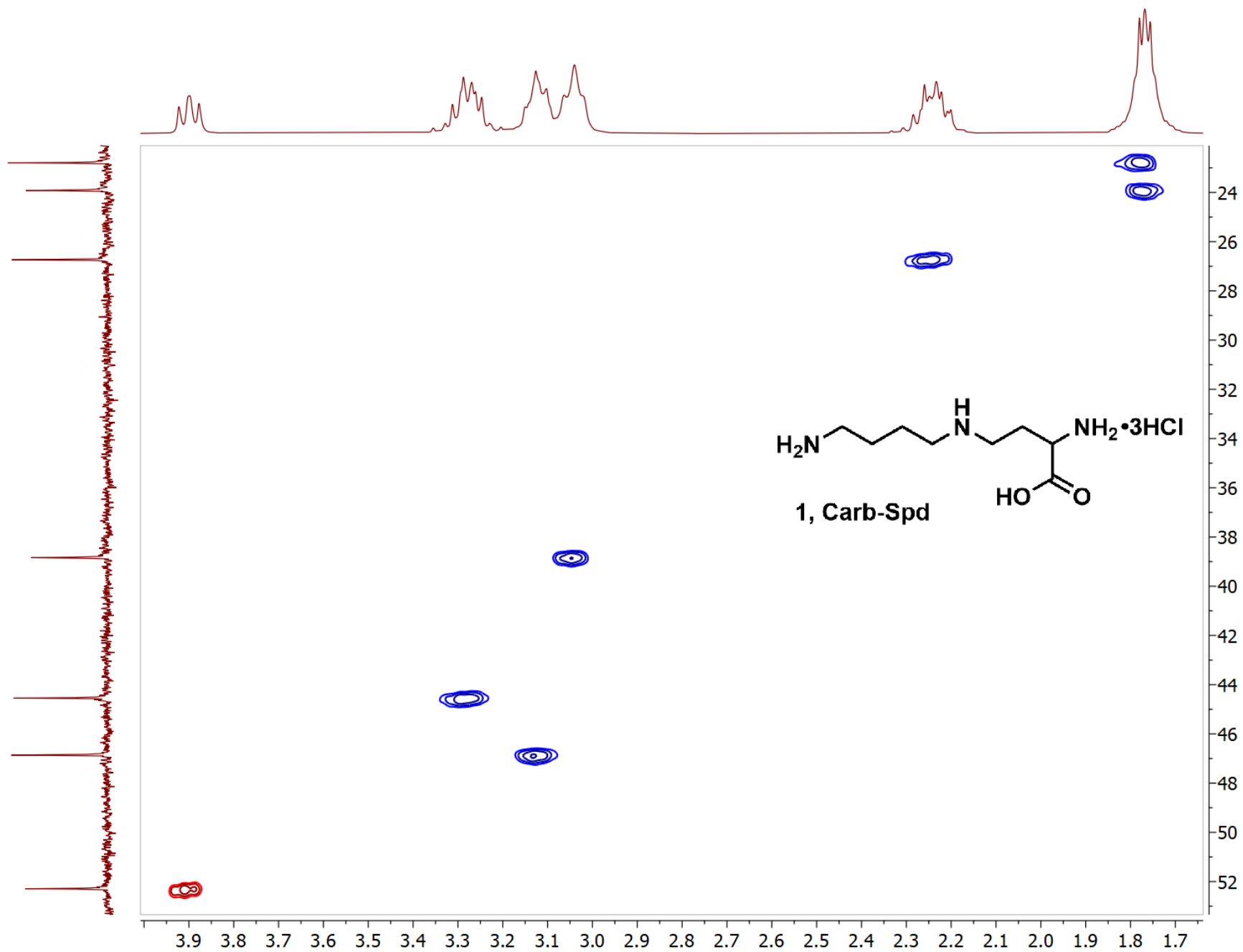


Figure S4. HSQC spectrum of Carb-Spd, 1.

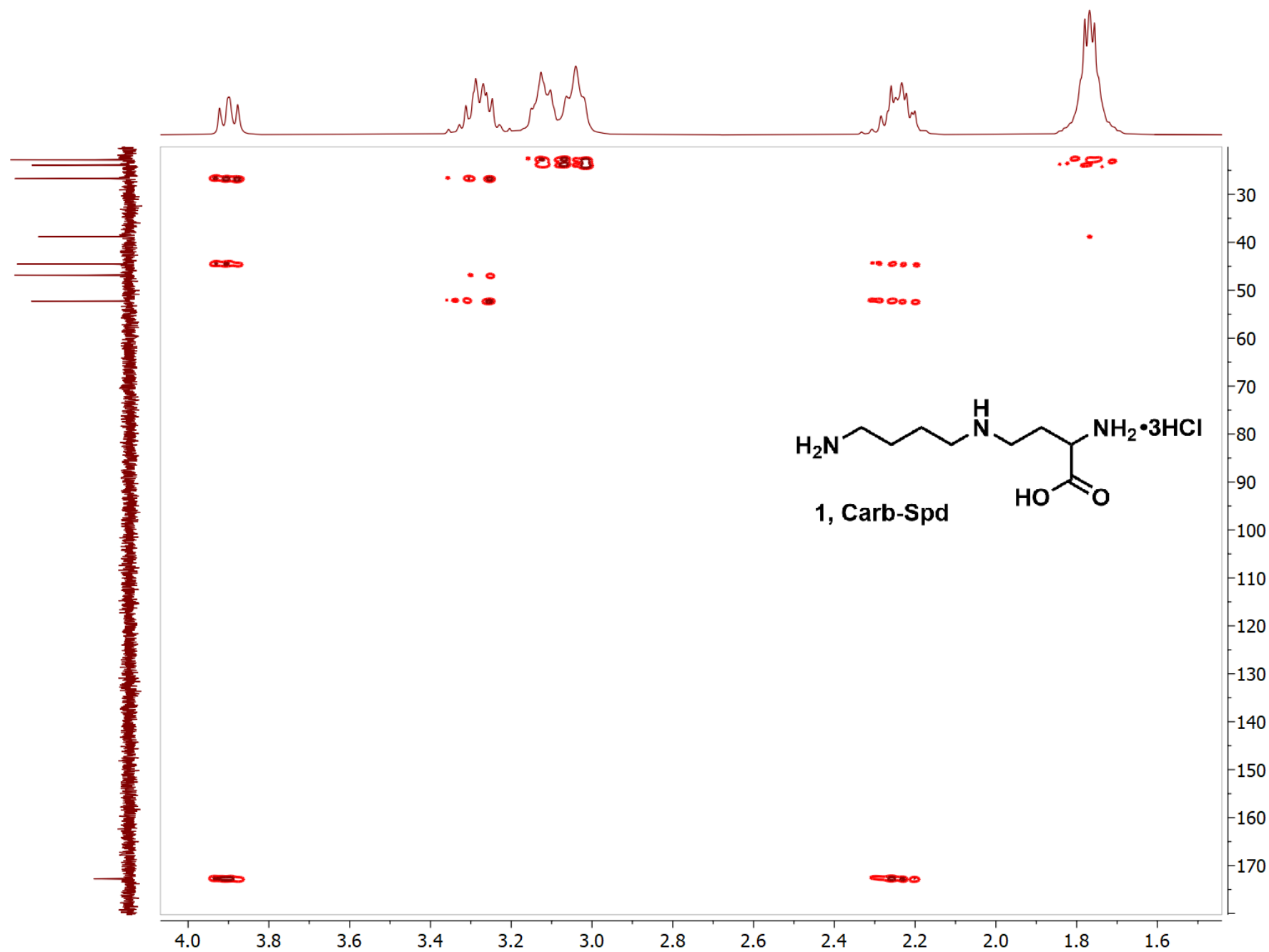
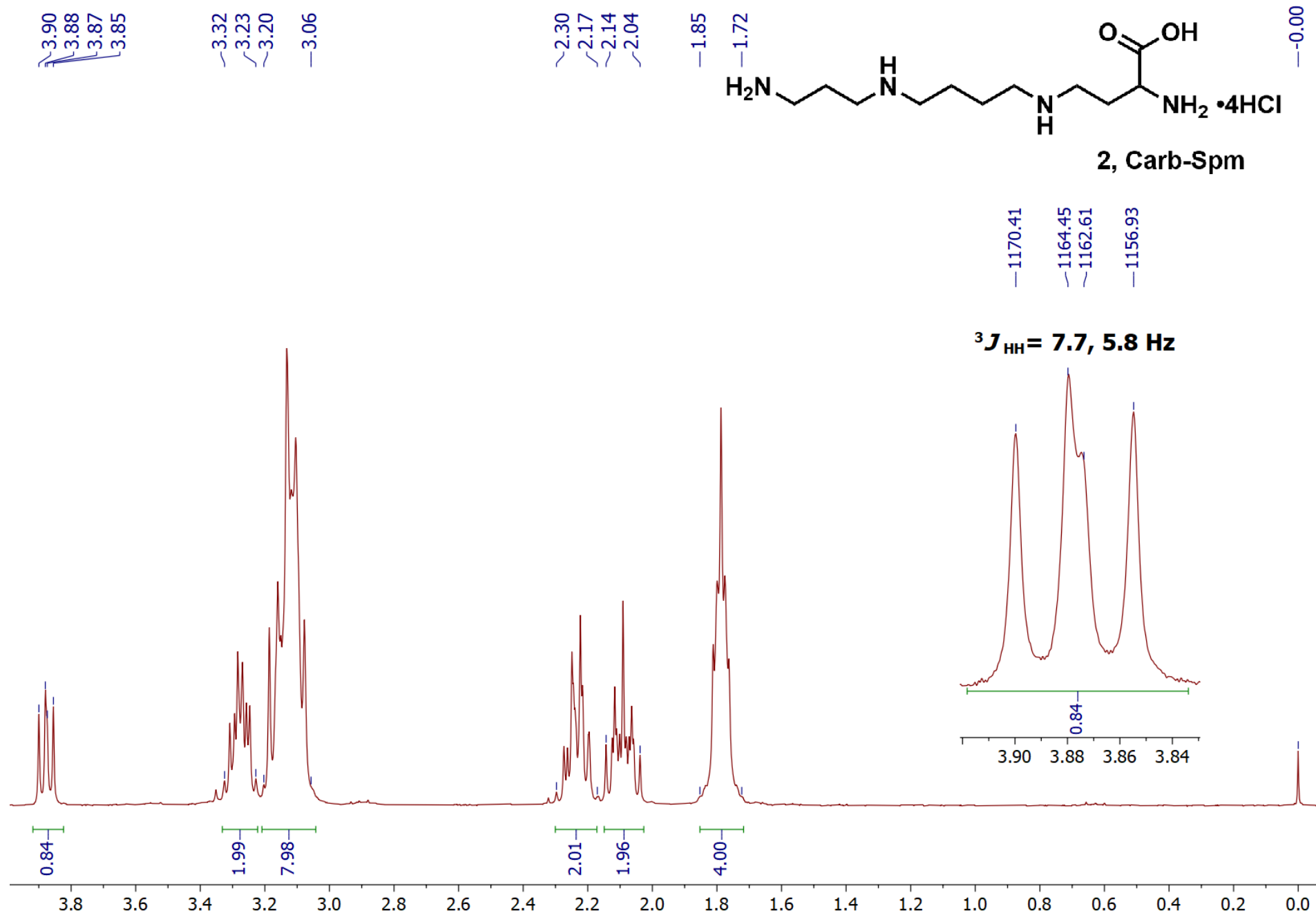
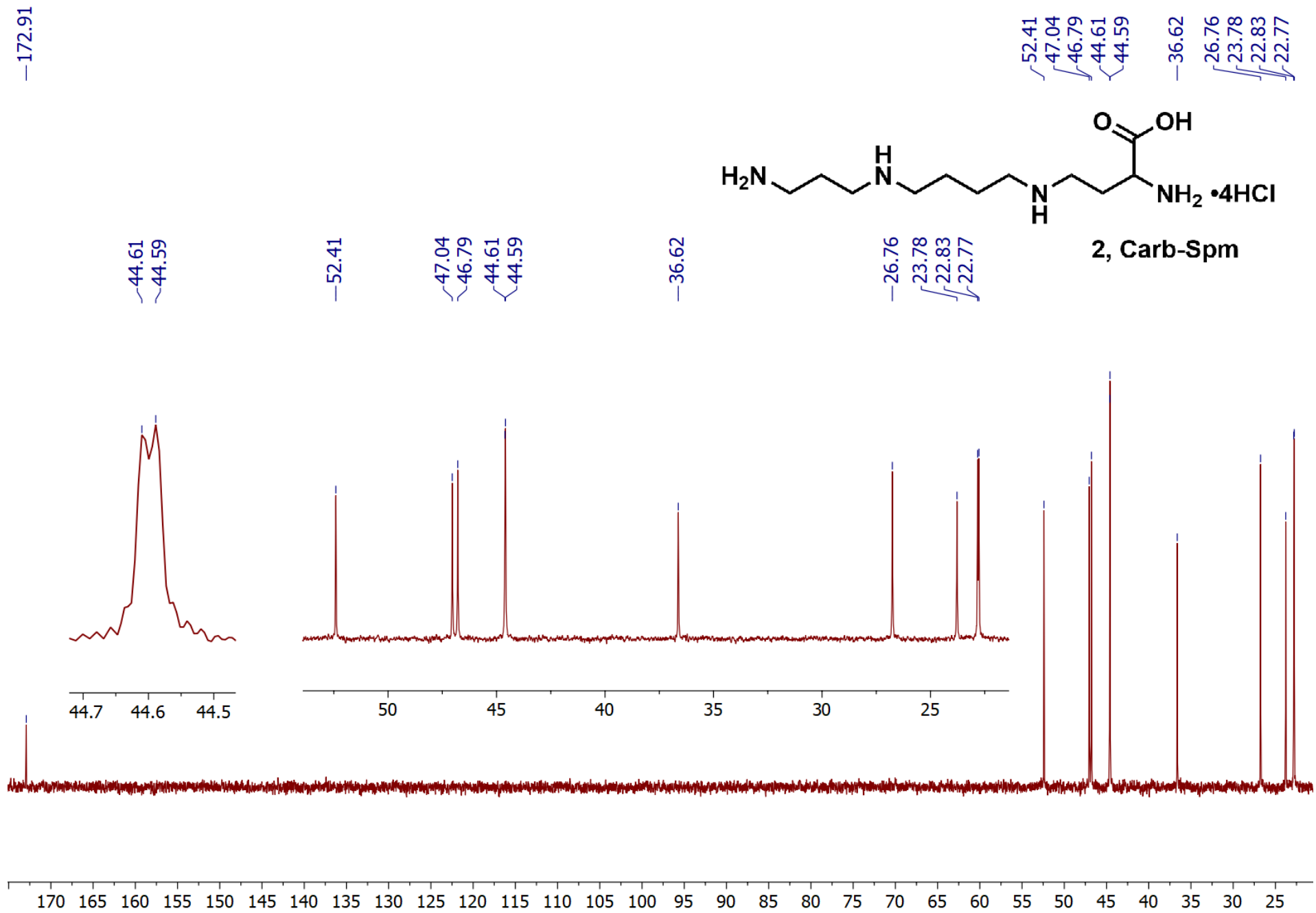


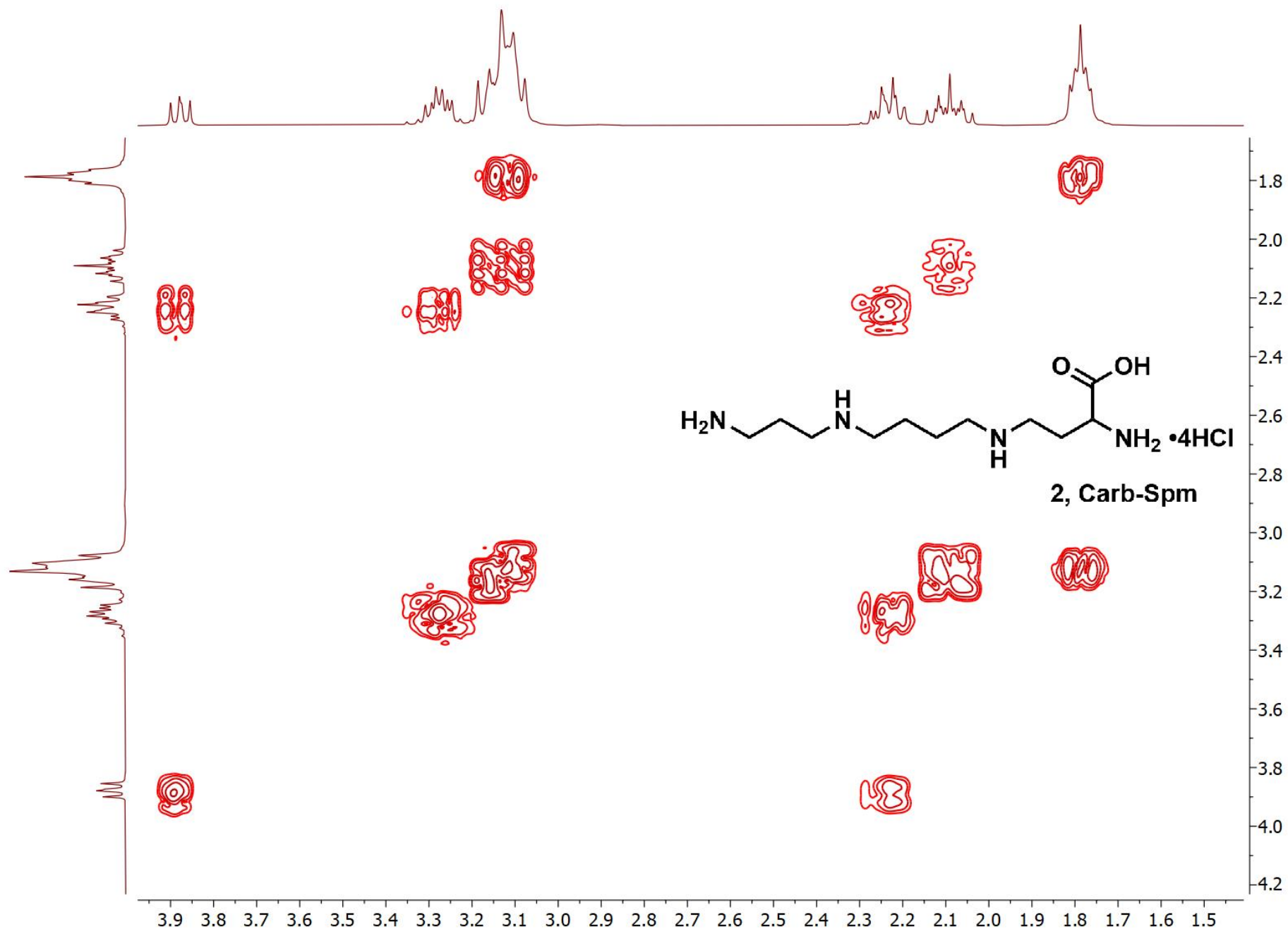
Figure S5. HMBC spectrum of Carb-Spd, 1.



**Figure S6.**  $^1\text{H}$  NMR spectrum of Carb-Spm, **2**.



**Figure S7.**  $^{13}\text{C}$  NMR spectrum of Carb-Spm, **2**.



**Figure S8.** COSY spectrum of Carb-Spm, **2**.

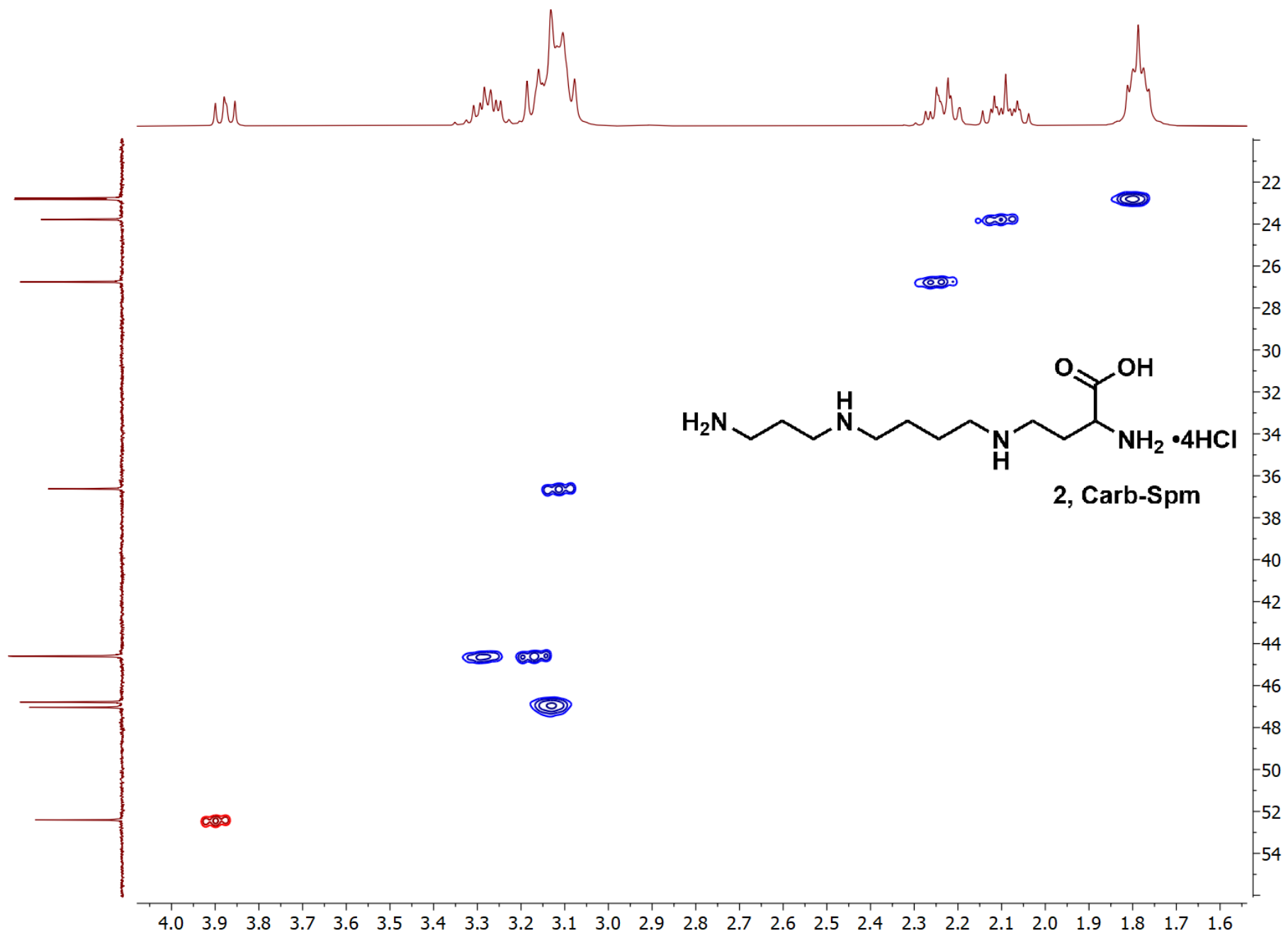


Figure S9. HSQC spectrum of Carb-Spm, 2.

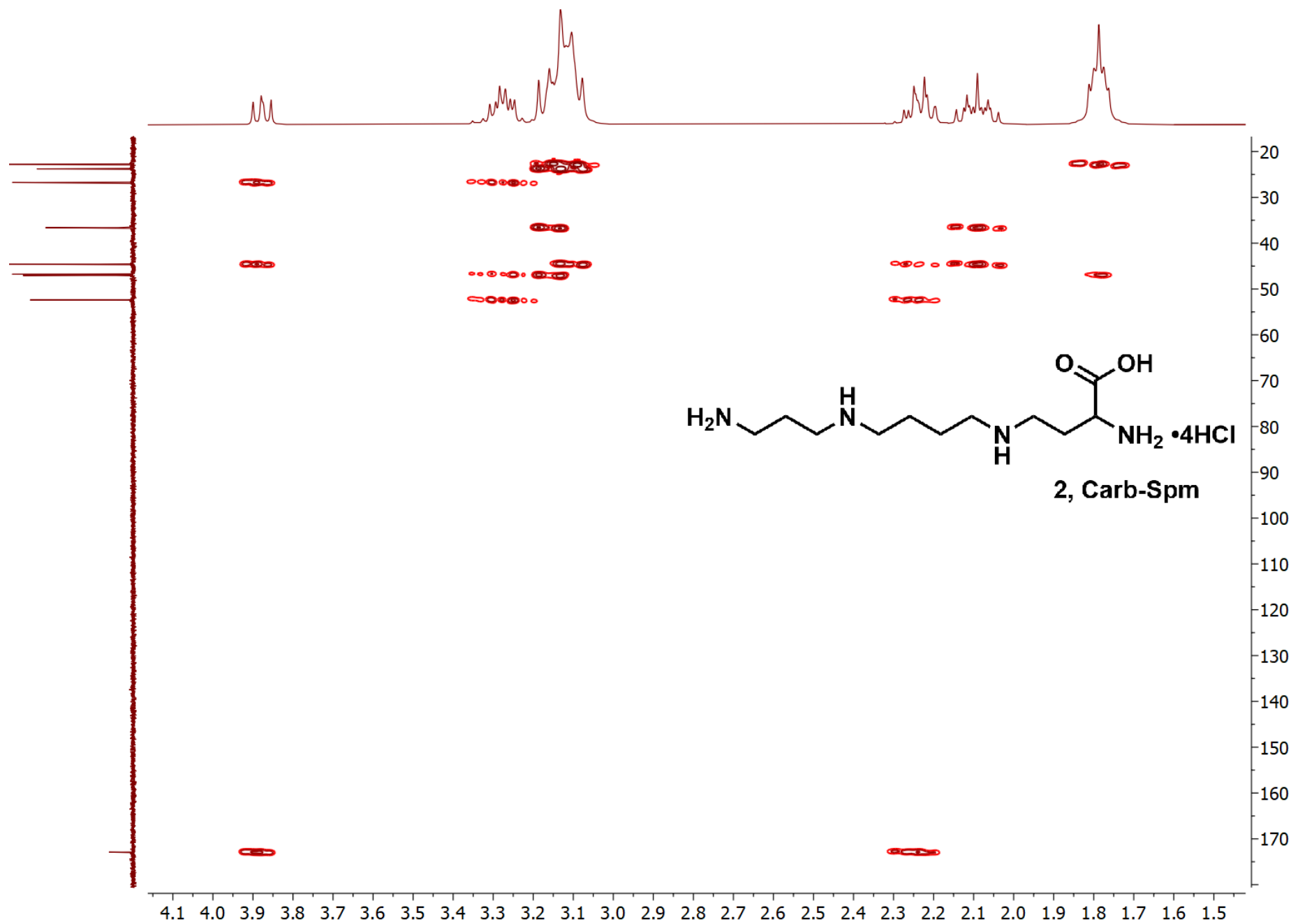


Figure S10. HMBC spectrum of Carb-Spm, 2.

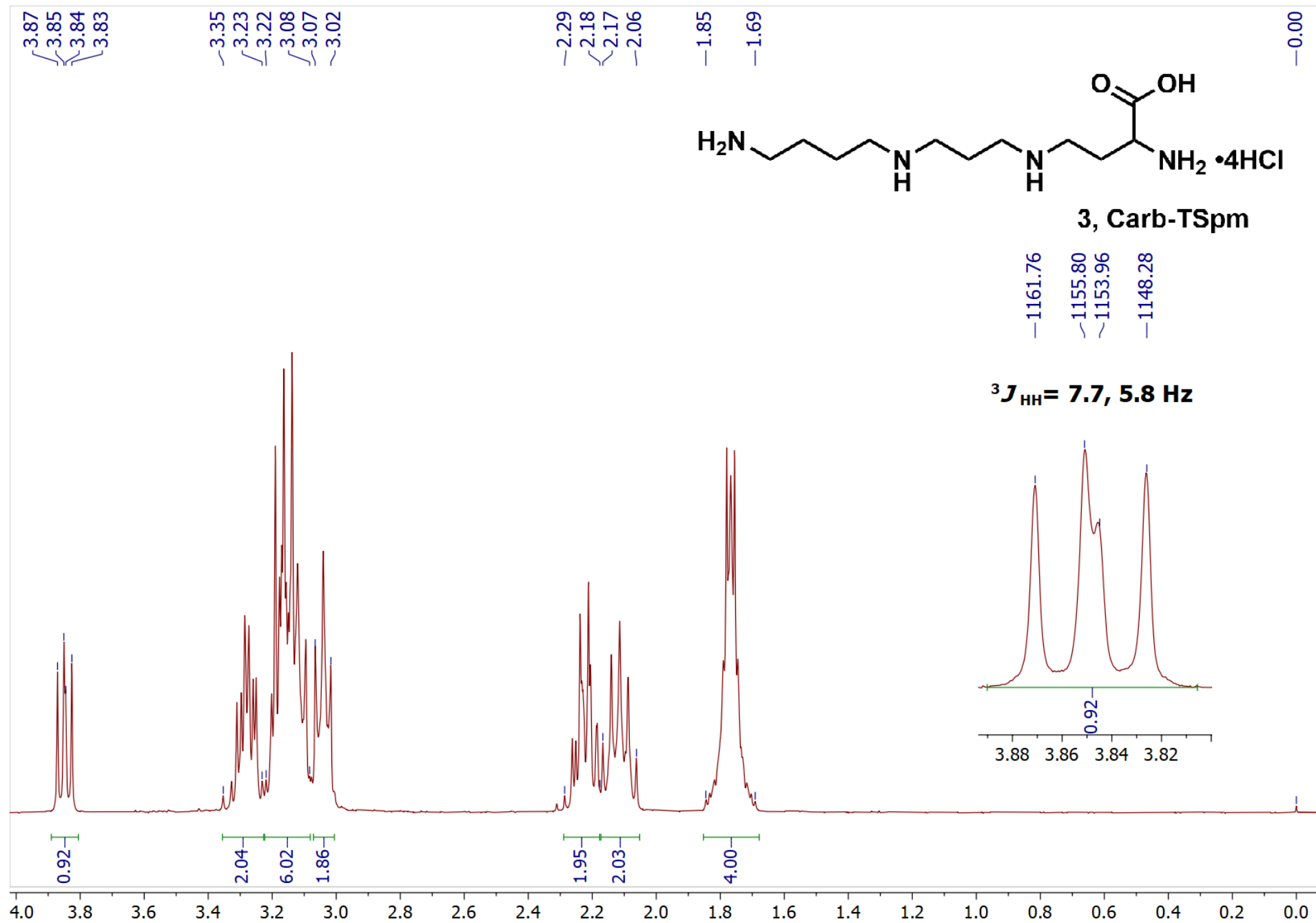
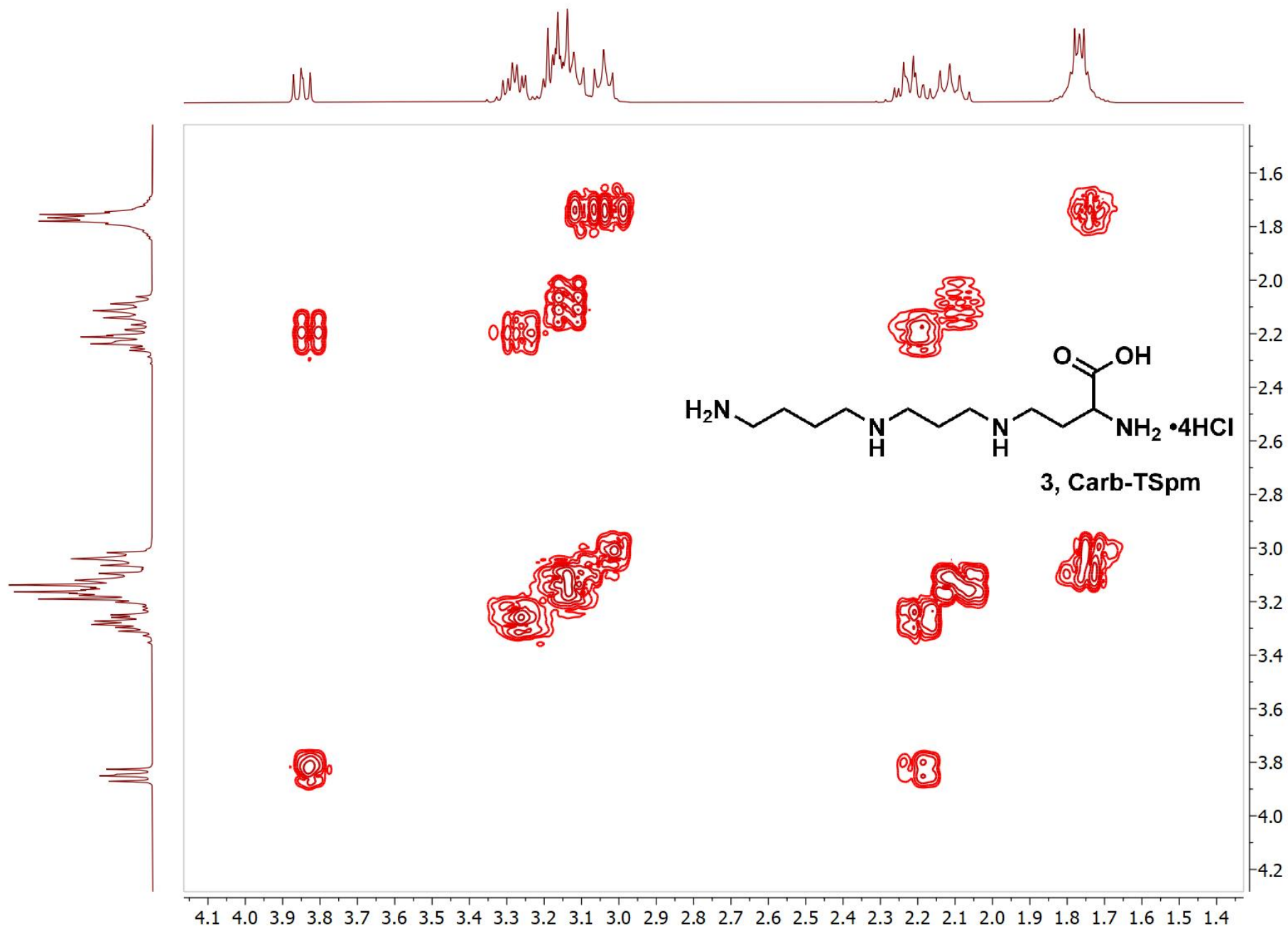
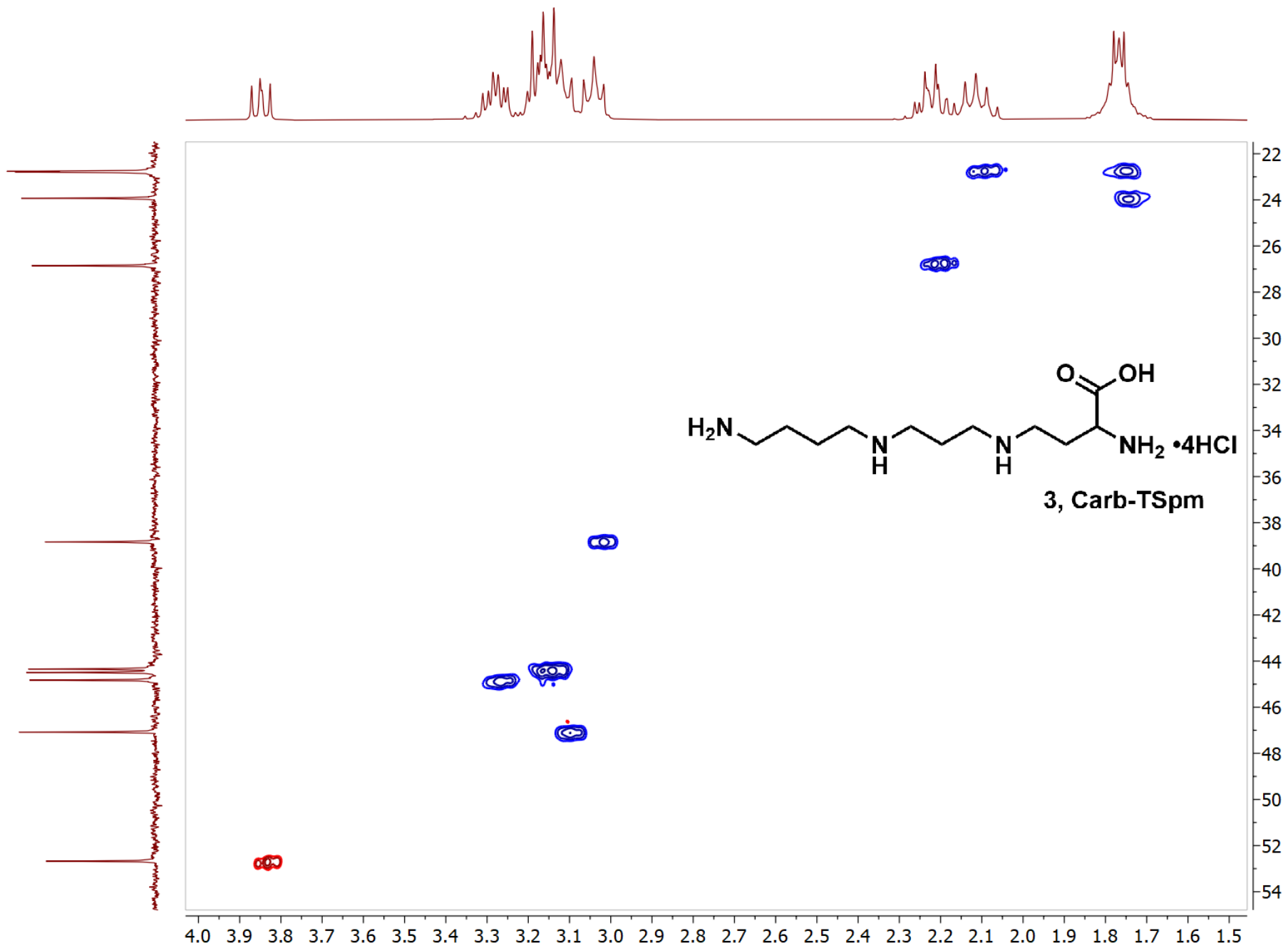


Figure S11.  $^1\text{H}$  NMR spectrum of Carb-TSpm, **3**.

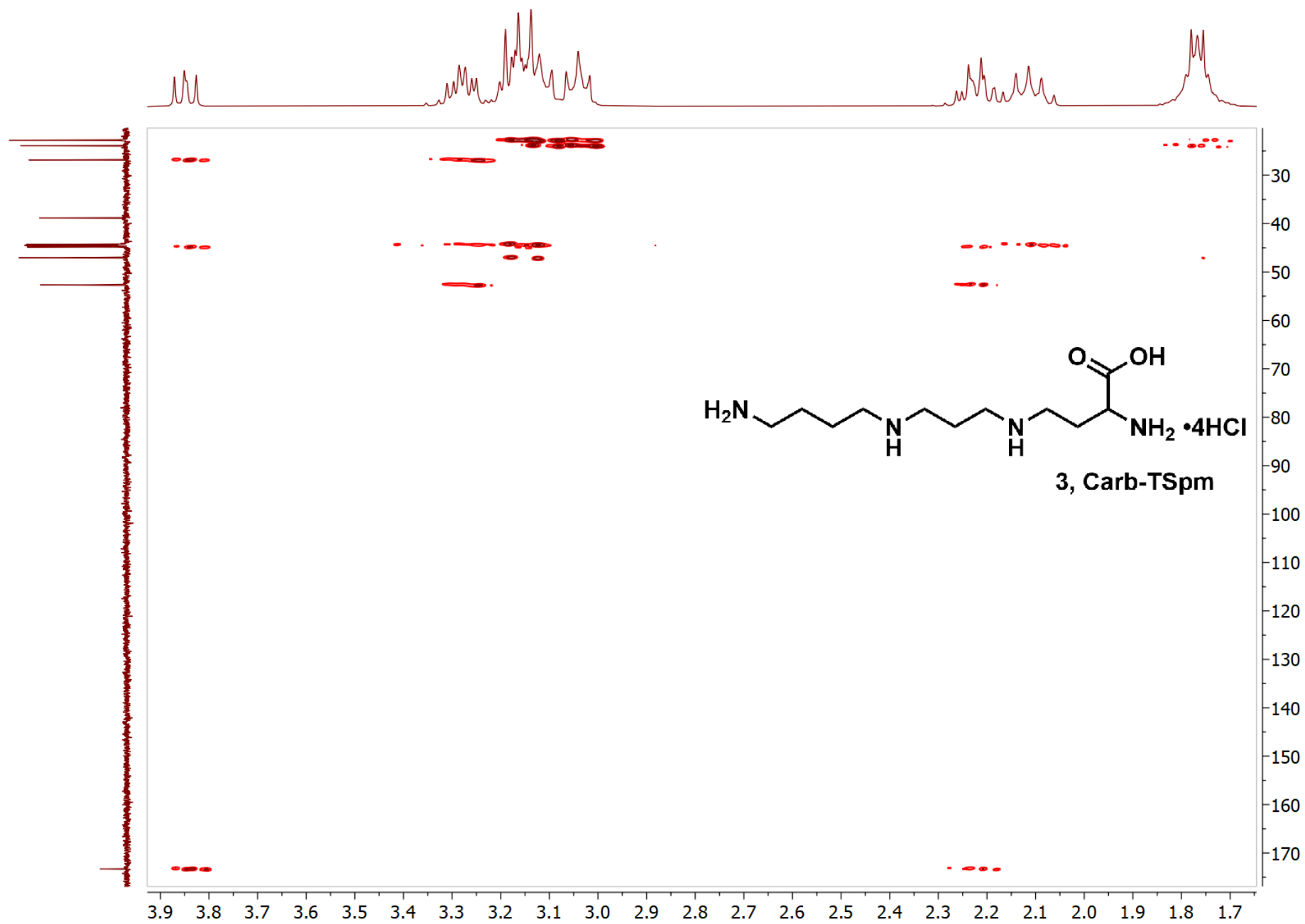




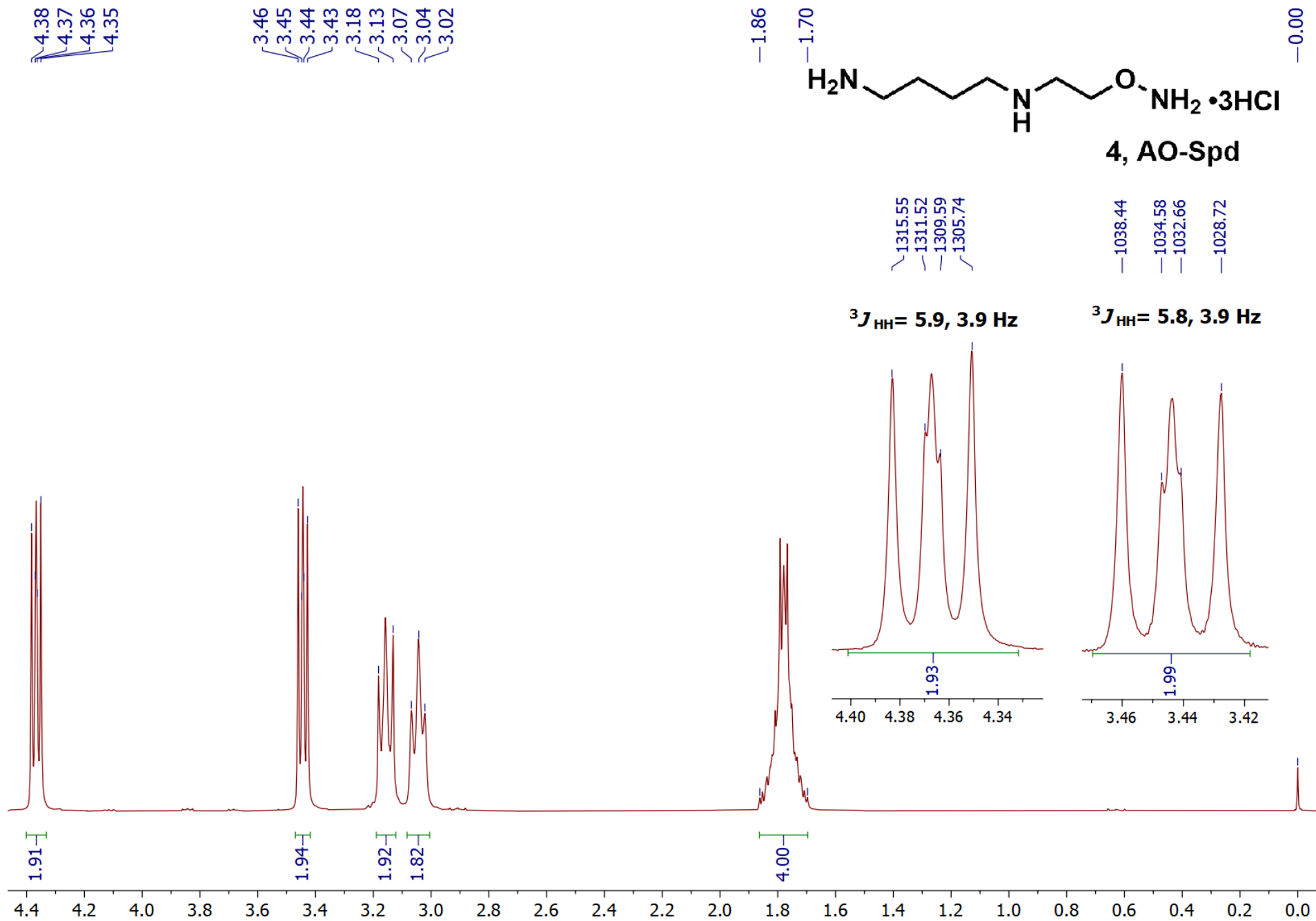
**Figure S13.** COSY spectrum of Carb-TSpm, **3**.



**Figure S14.** HSQC spectrum of Carb-TSpm, **3**.



**Figure S15.** HMBC spectrum of Carb-TSpm, **3**.



**Figure S16.** <sup>1</sup>H NMR spectrum of AO-Spd, **4**.

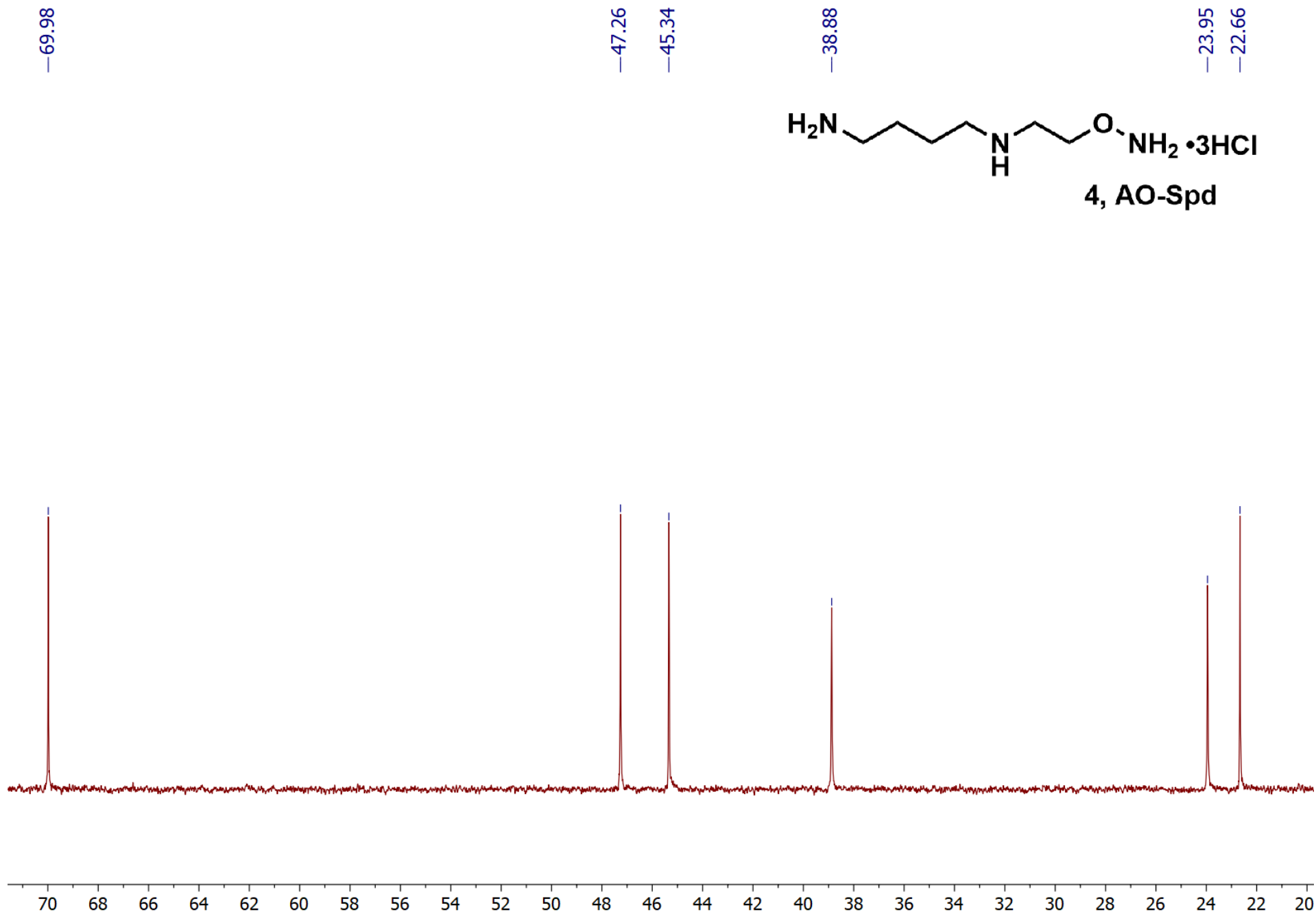
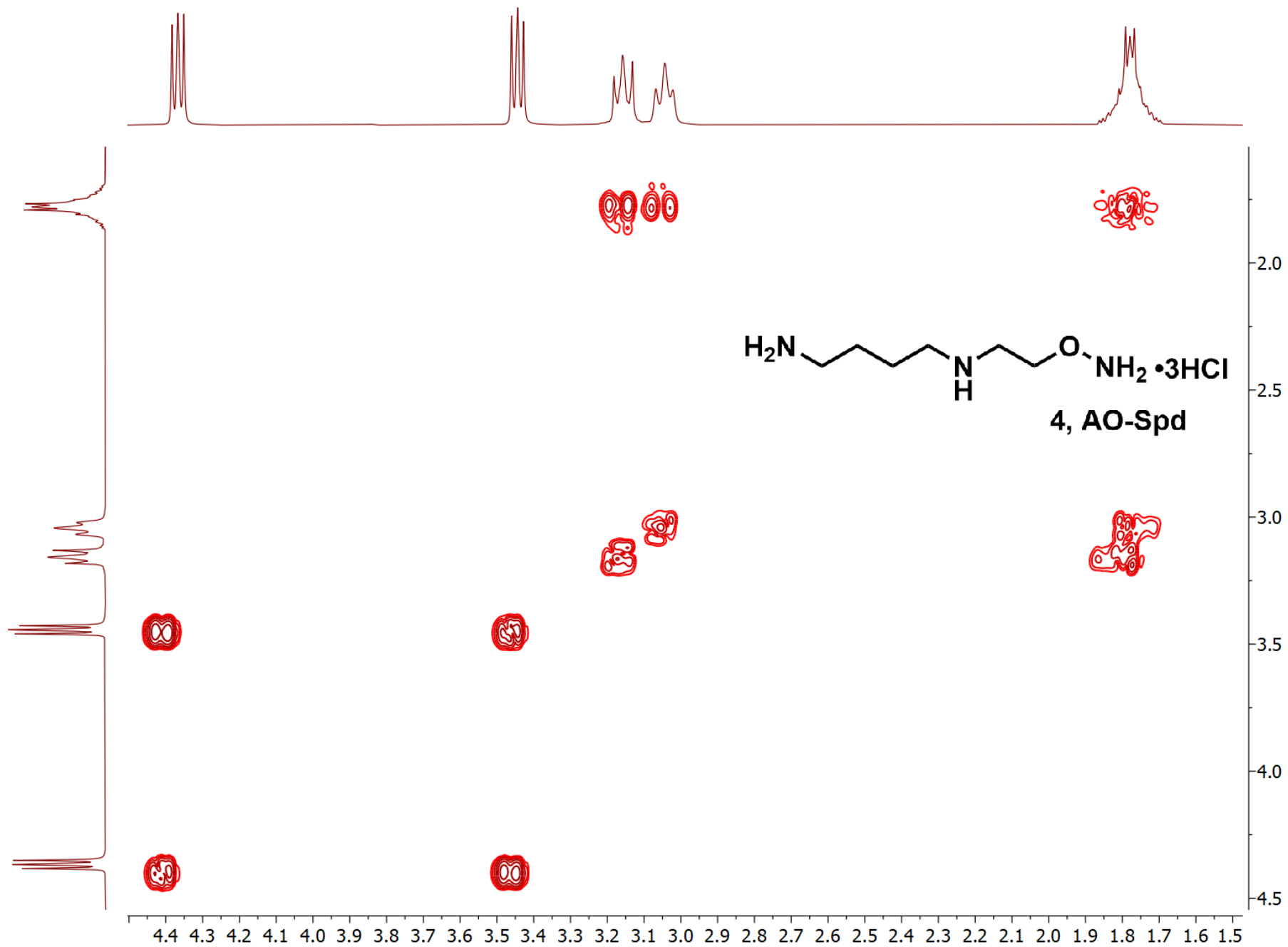


Figure S17.  $^{13}\text{C}$  NMR spectrum of AO-Spd, 4.



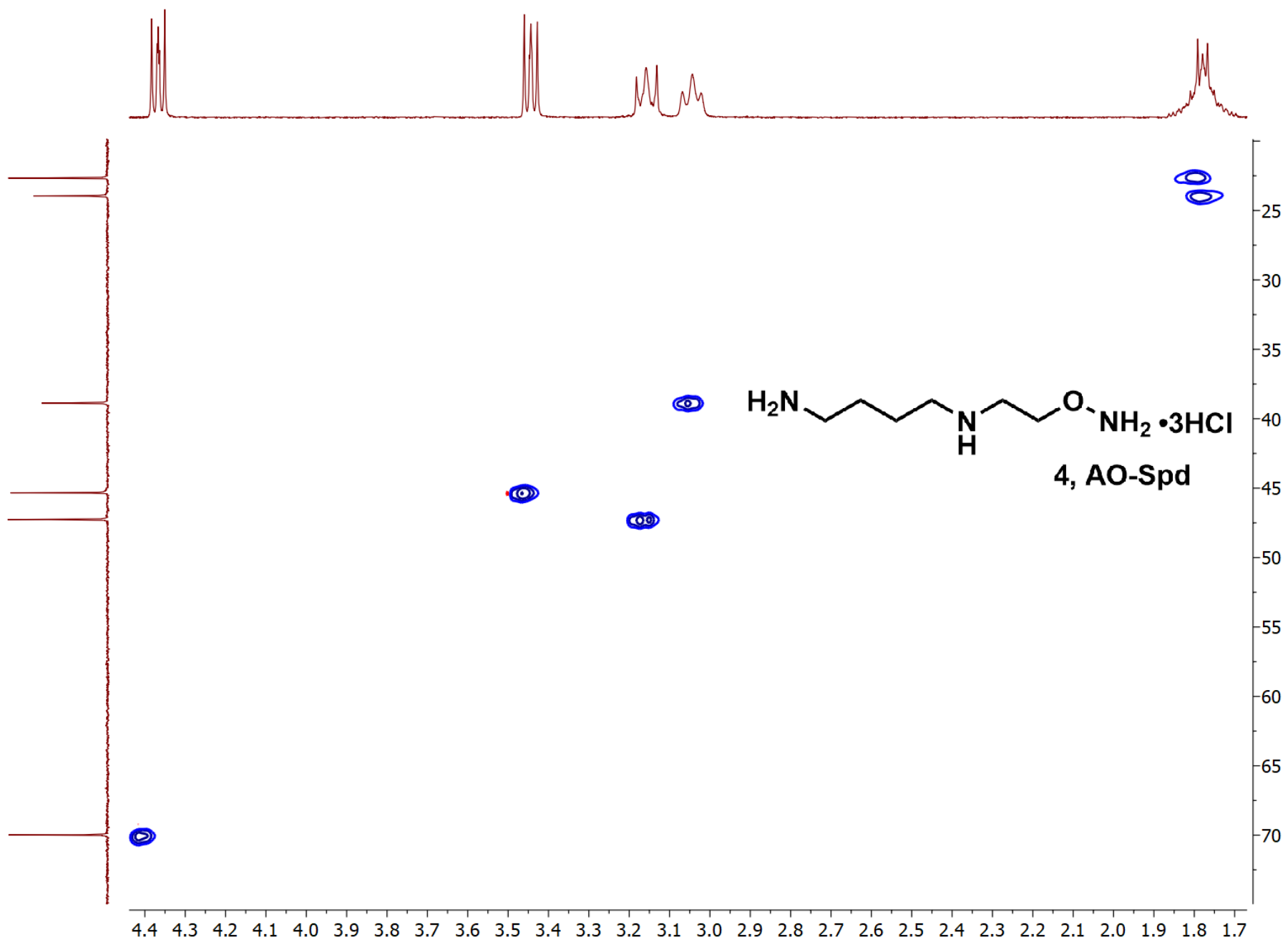
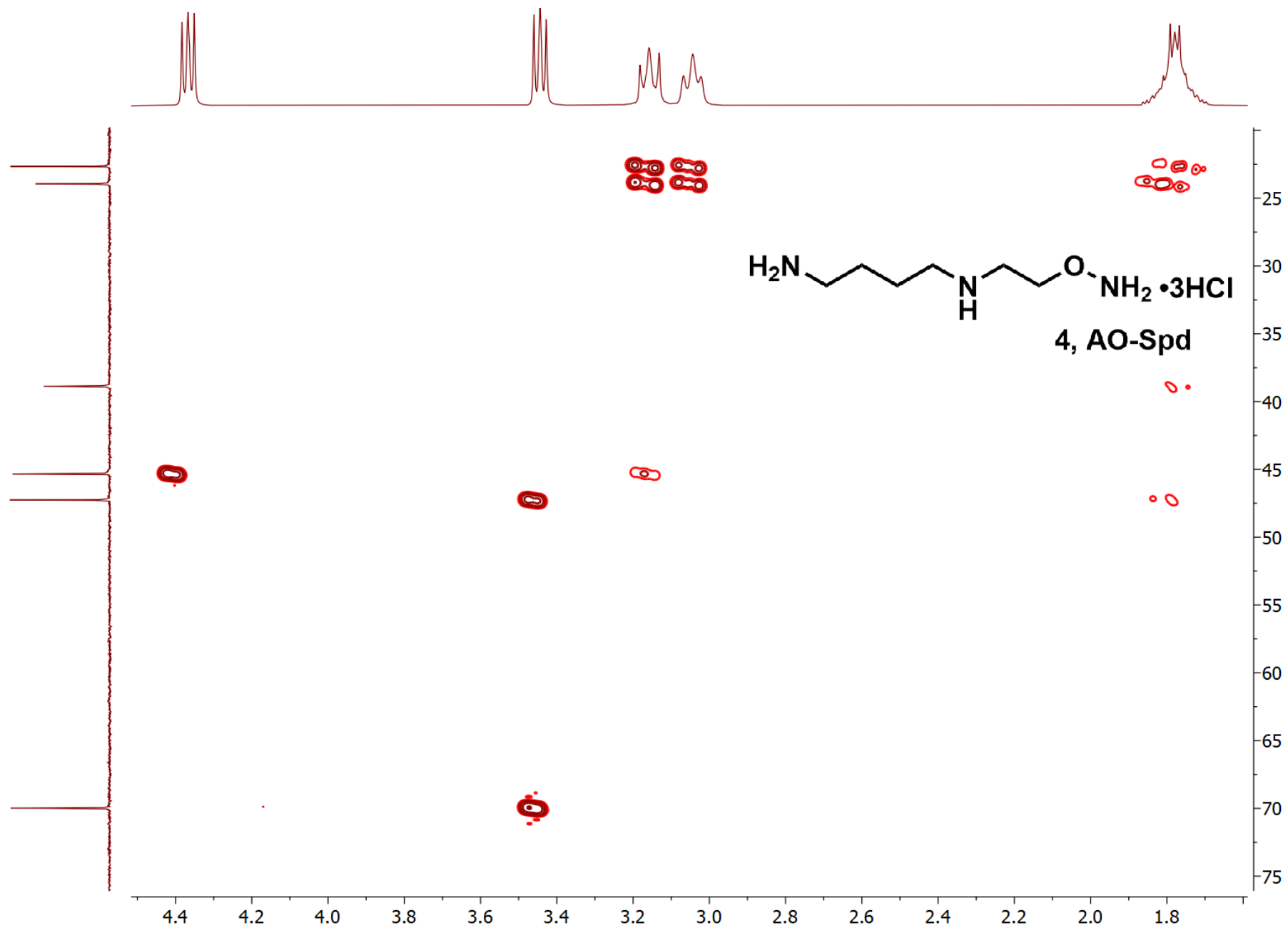
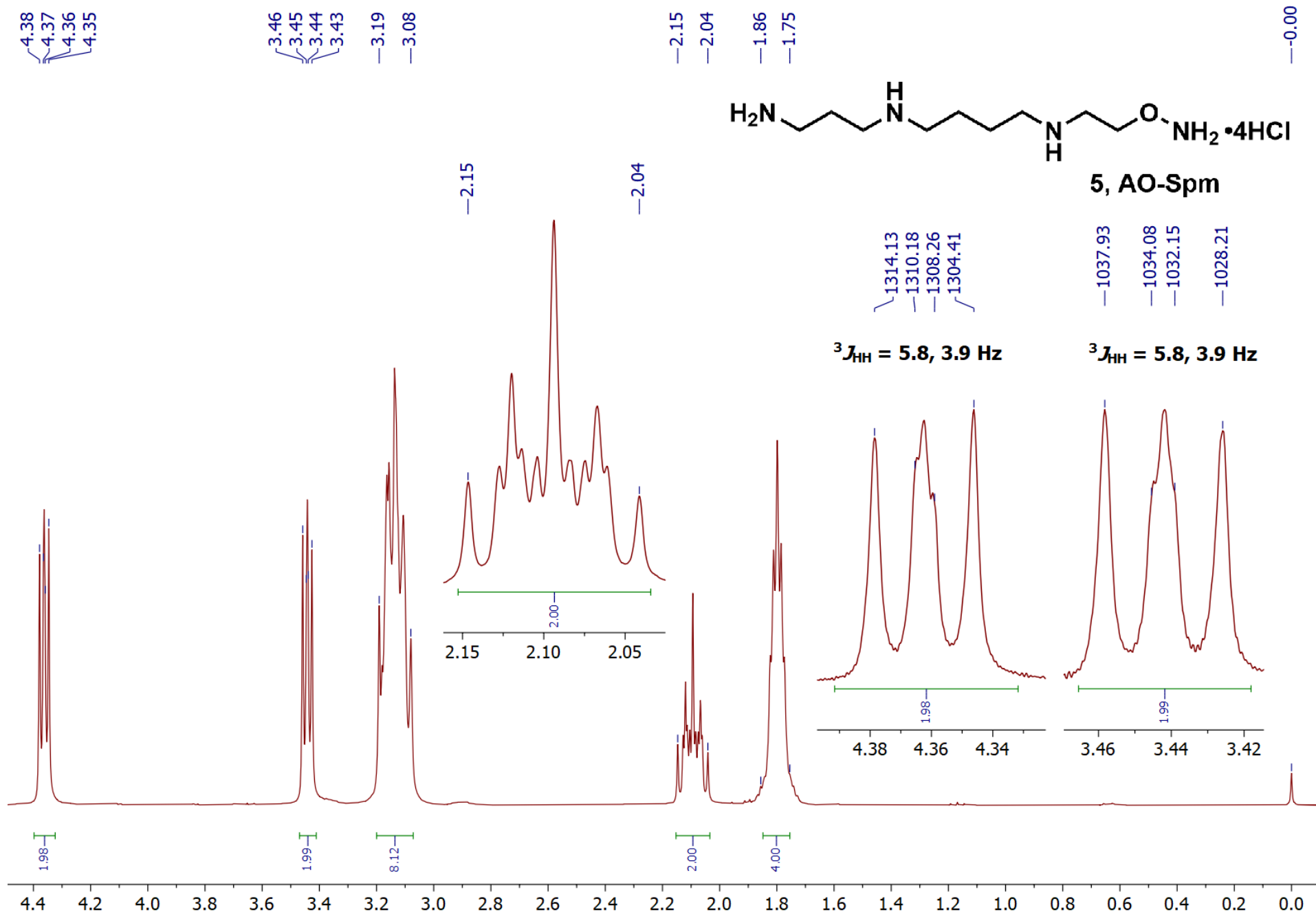


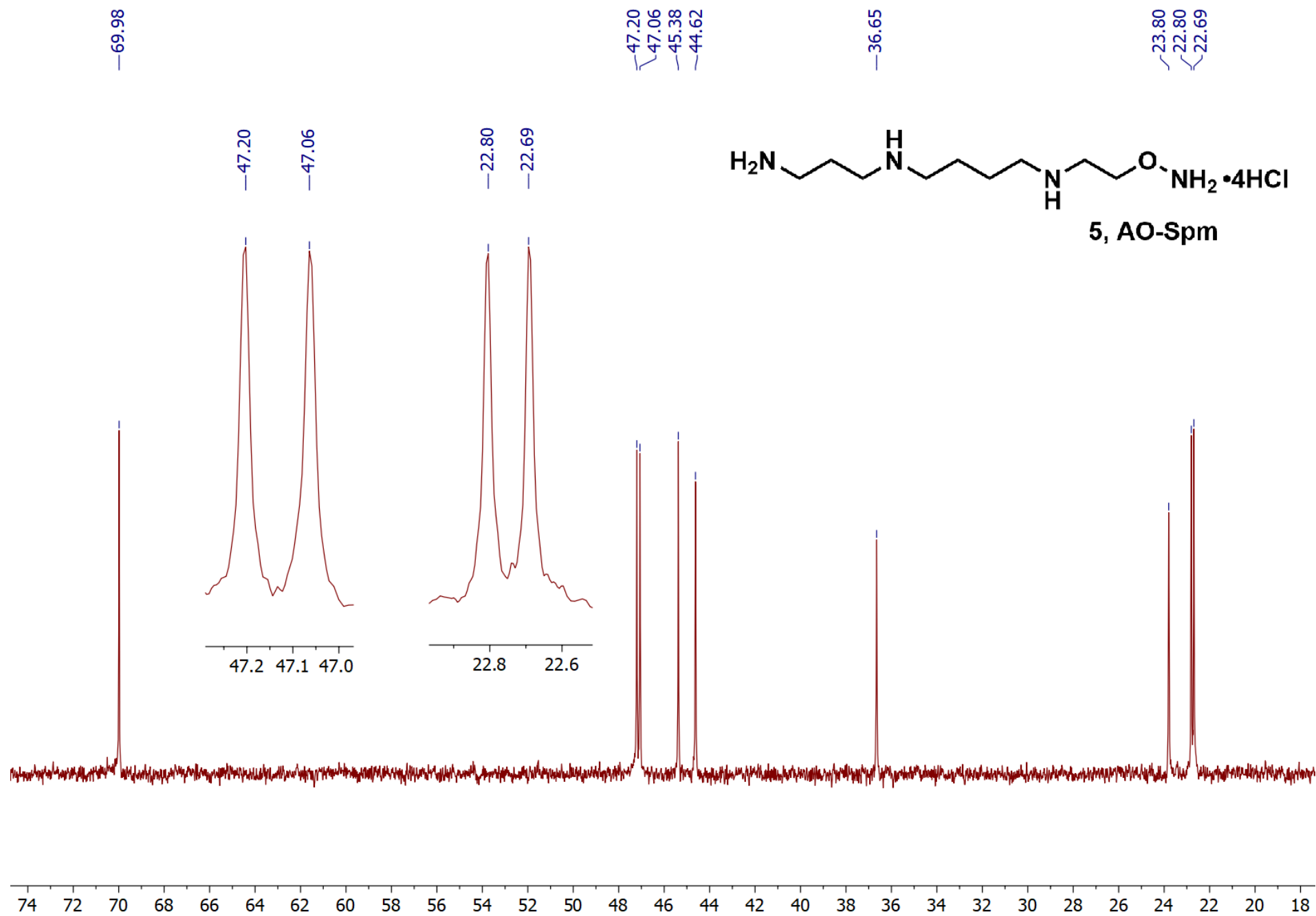
Figure S19. HSQC spectrum of AO-Spd, 4.



**Figure S20.** HMBC spectrum of AO-Spd, **4**.



**Figure S21.**  $^1\text{H}$  NMR spectrum of AO-Spm, **5**.



**Figure S22.** <sup>13</sup>C NMR spectrum of AO-Spm, **5**.

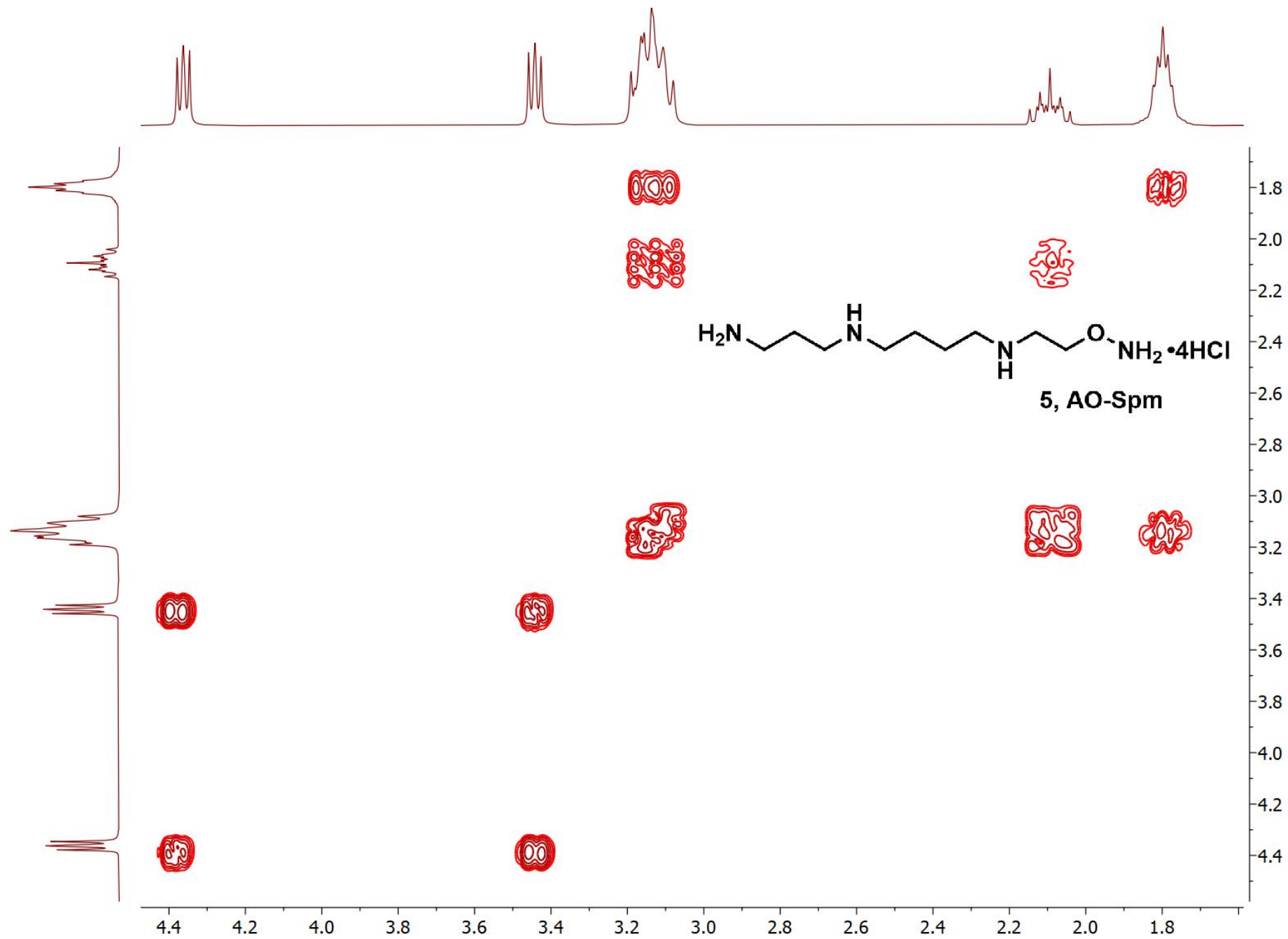


Figure S23. COSY spectrum of AO-Spm, 5.

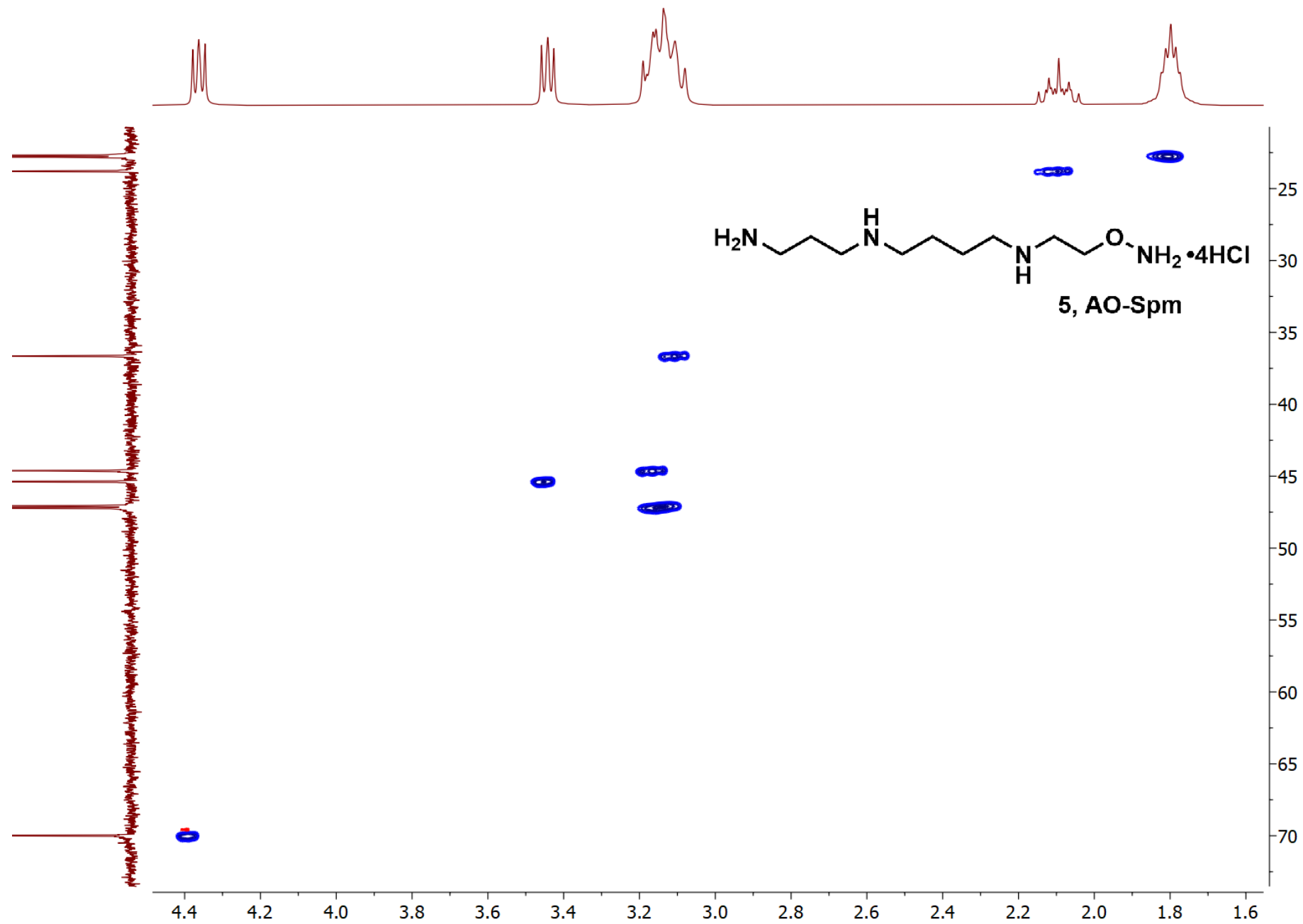


Figure S24. HSQC spectrum of AO-Spm, 5.

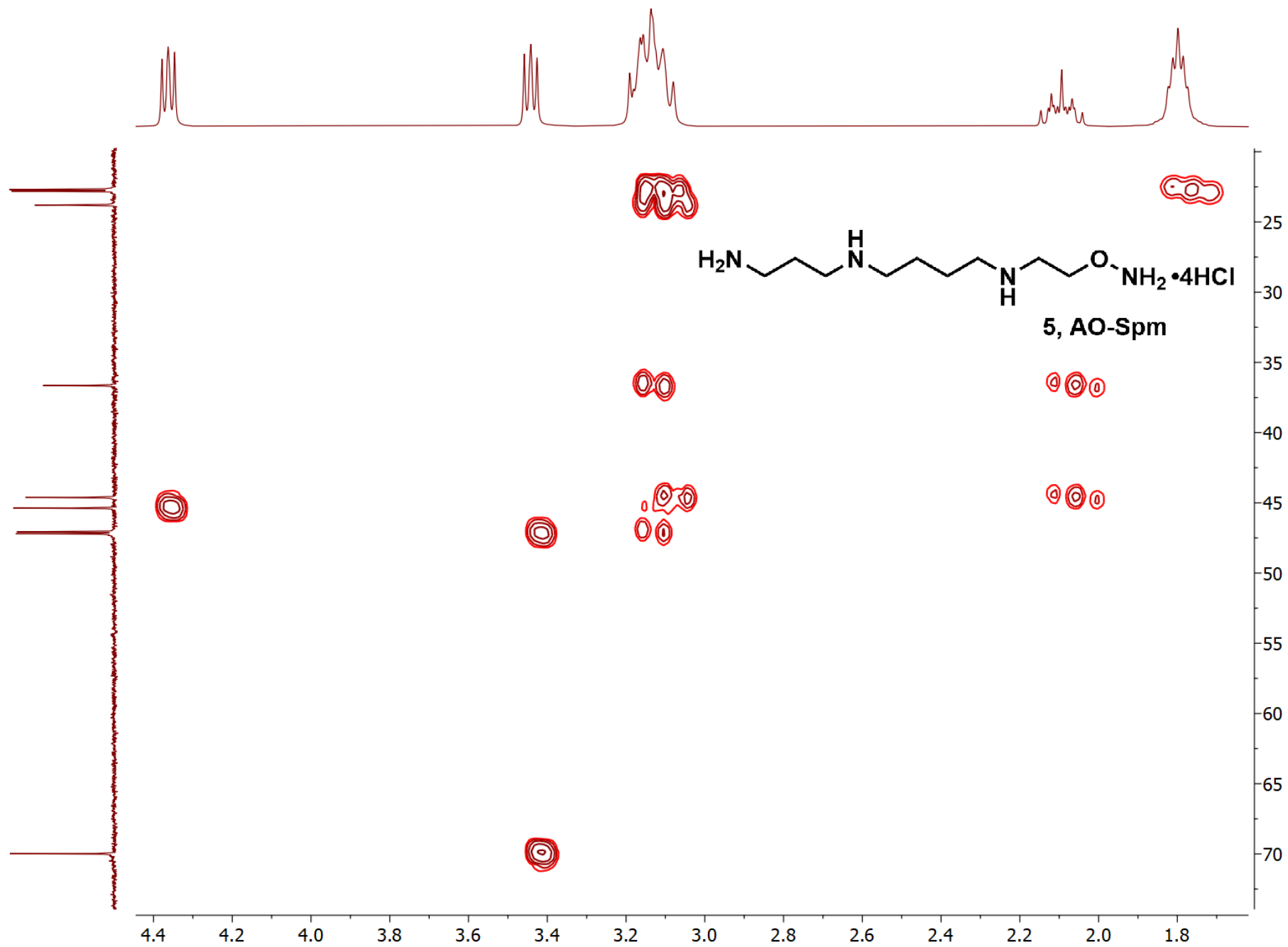
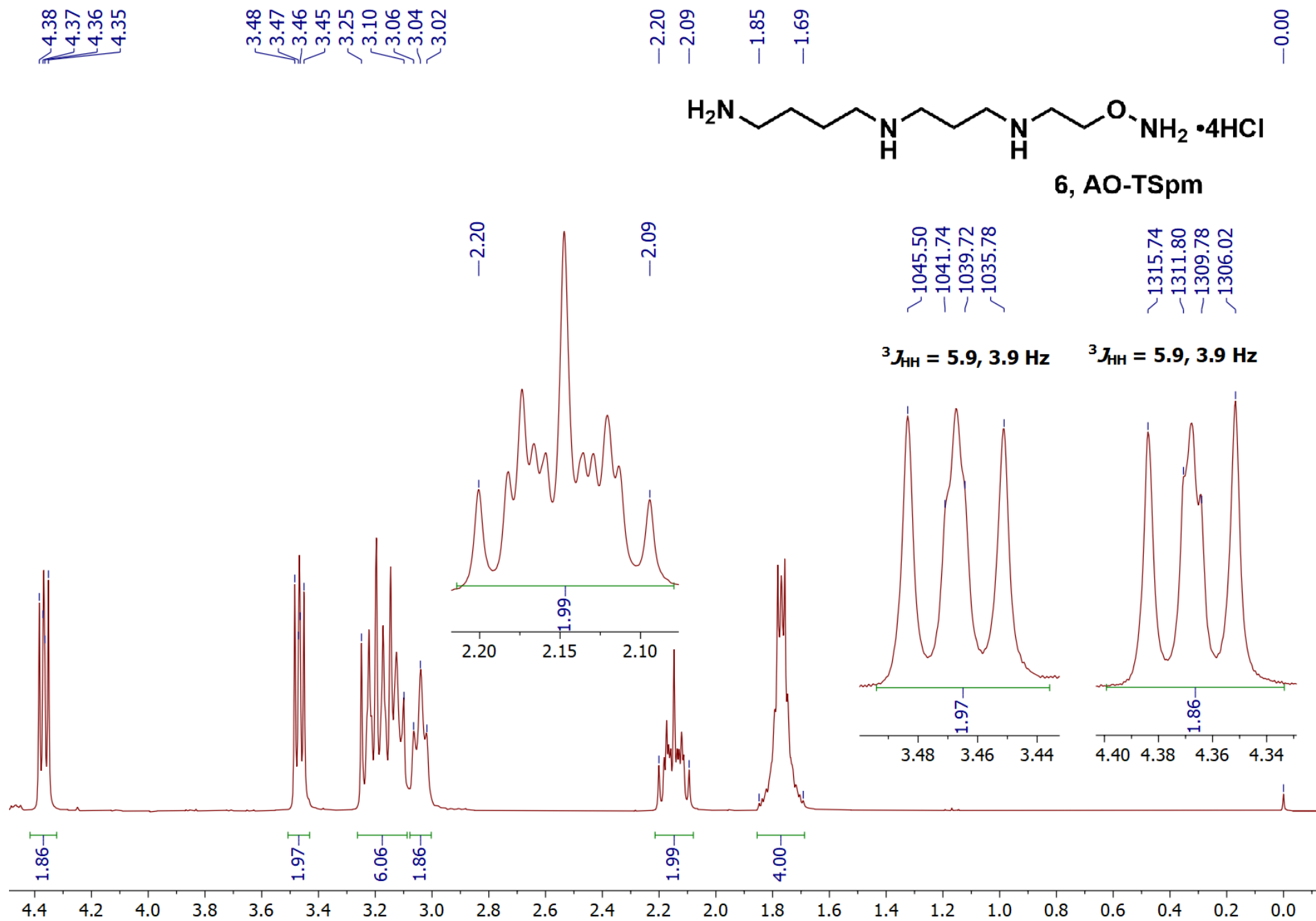


Figure S25. HMBC spectrum of AO-Spm, **5**.



**Figure S26.**  $^1\text{H}$  NMR spectrum of AO-TSpm, **6**.

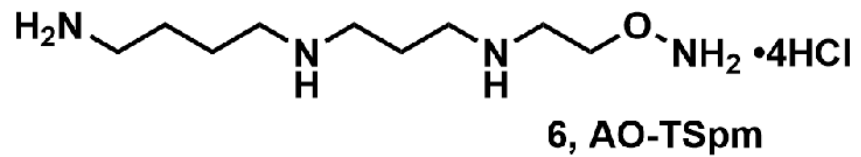
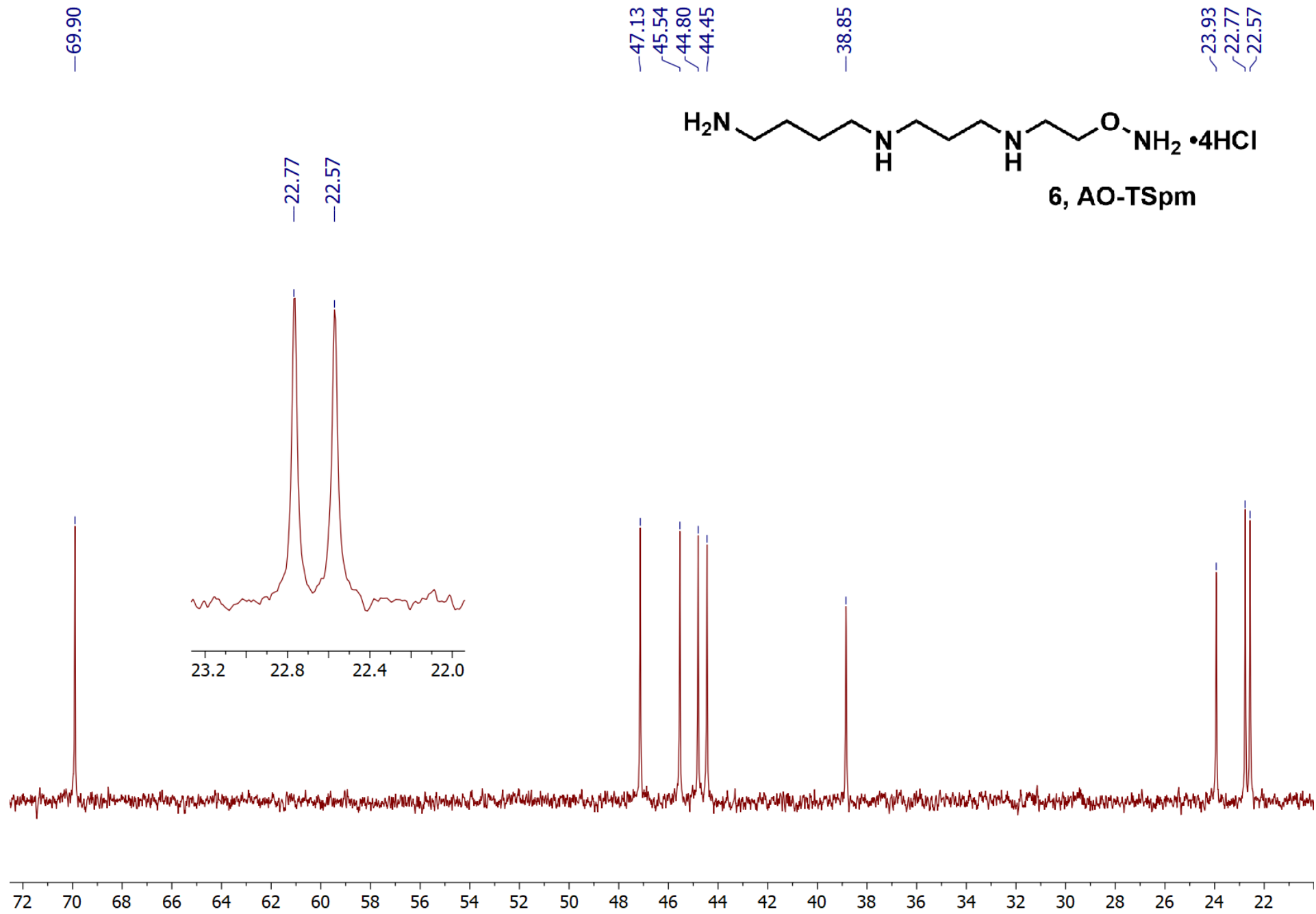
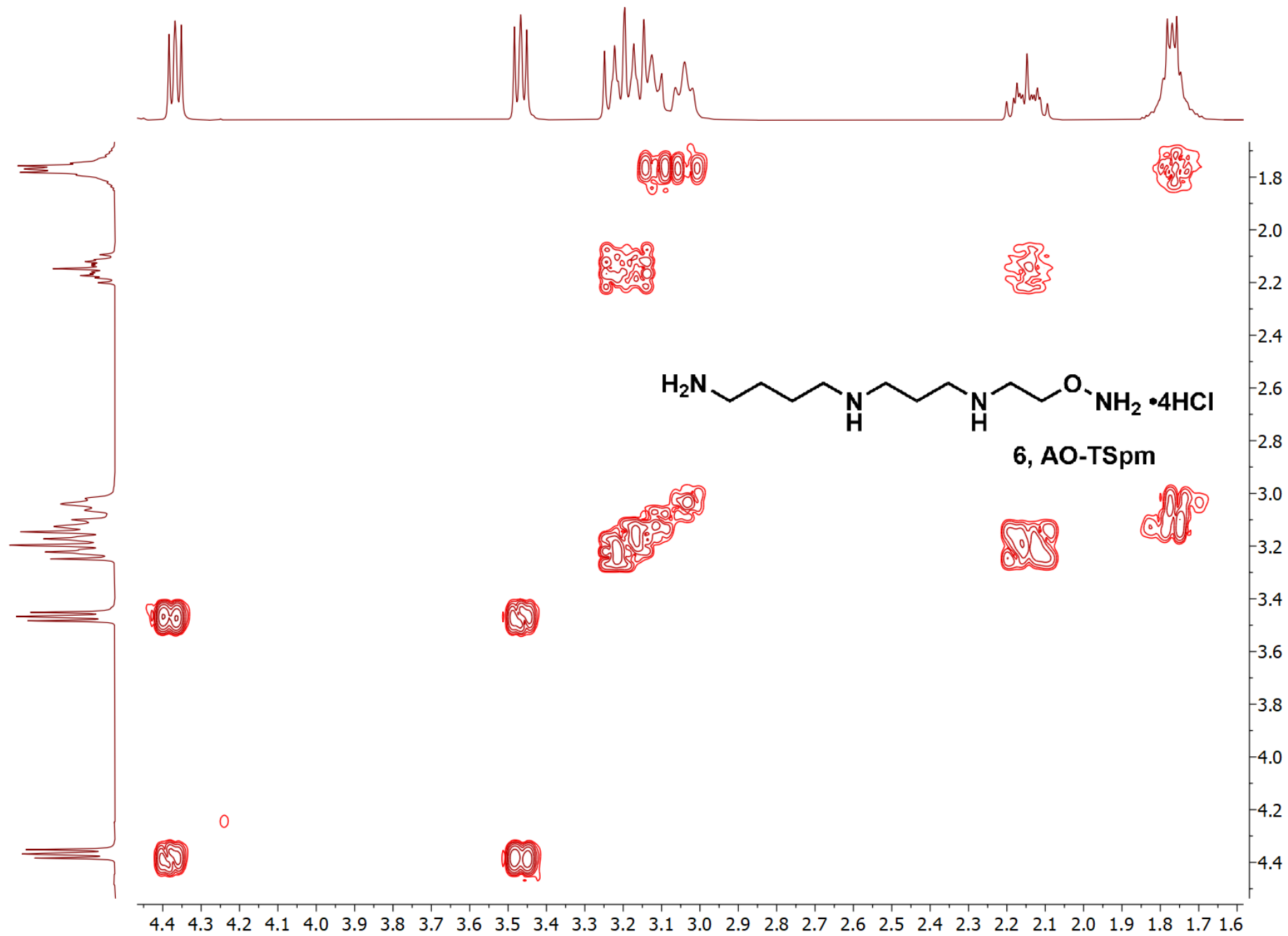


Figure S27.  $^{13}\text{C}$  NMR spectrum of AO-TSpM, 6.



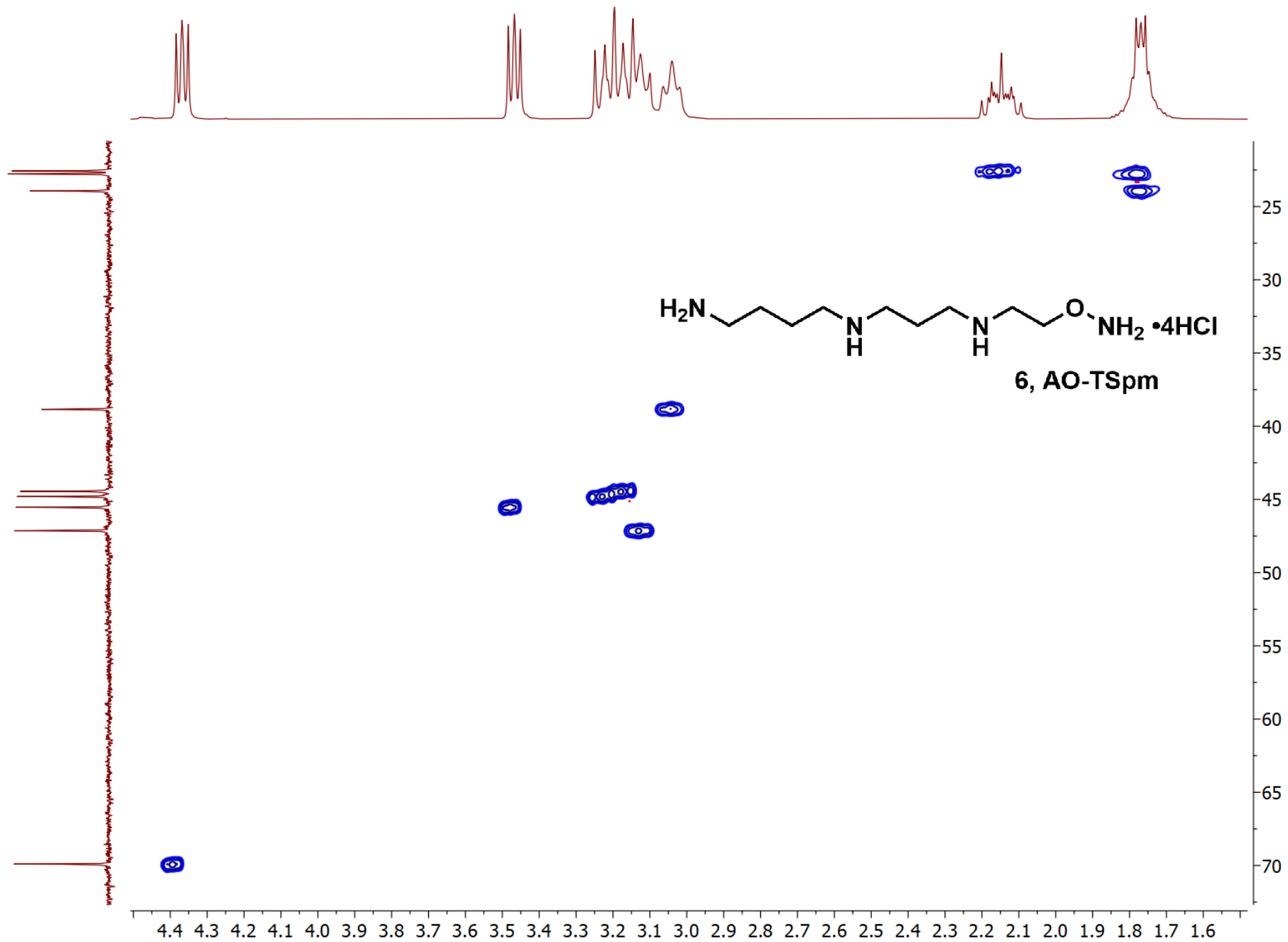


Figure S29. HSQC spectrum of AO-TSpM, 6.

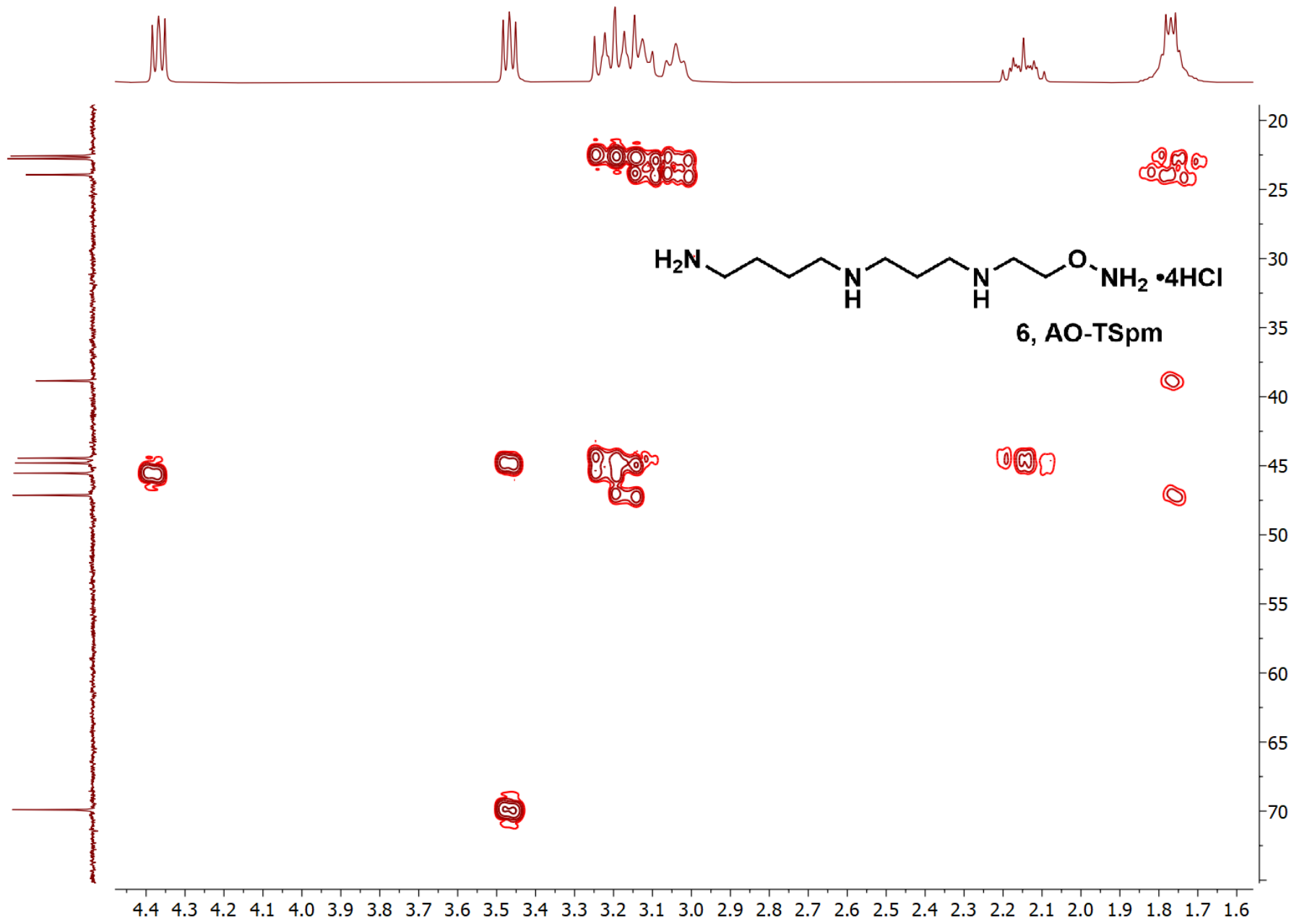


Figure S30. HMBC spectrum of AO-TSpM, 6.