

## Supplementary material

The supplementary file contains  $^1\text{H}$  and  $^{13}\text{C}$  NMR spectra of the synthesized compounds.

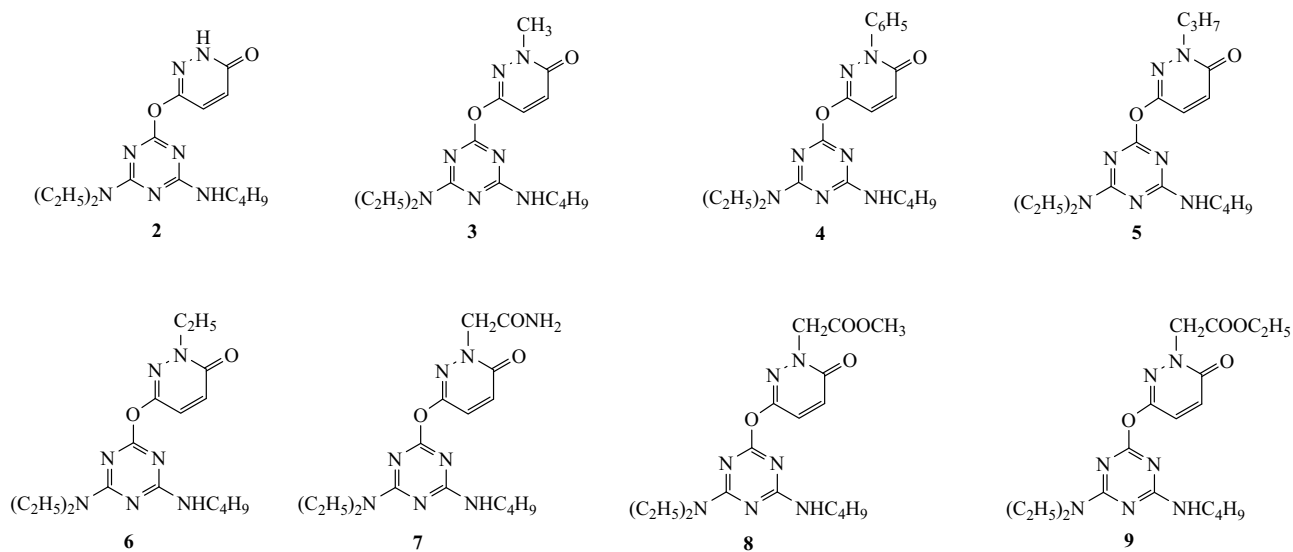


Figure S1: Compounds 2-9.

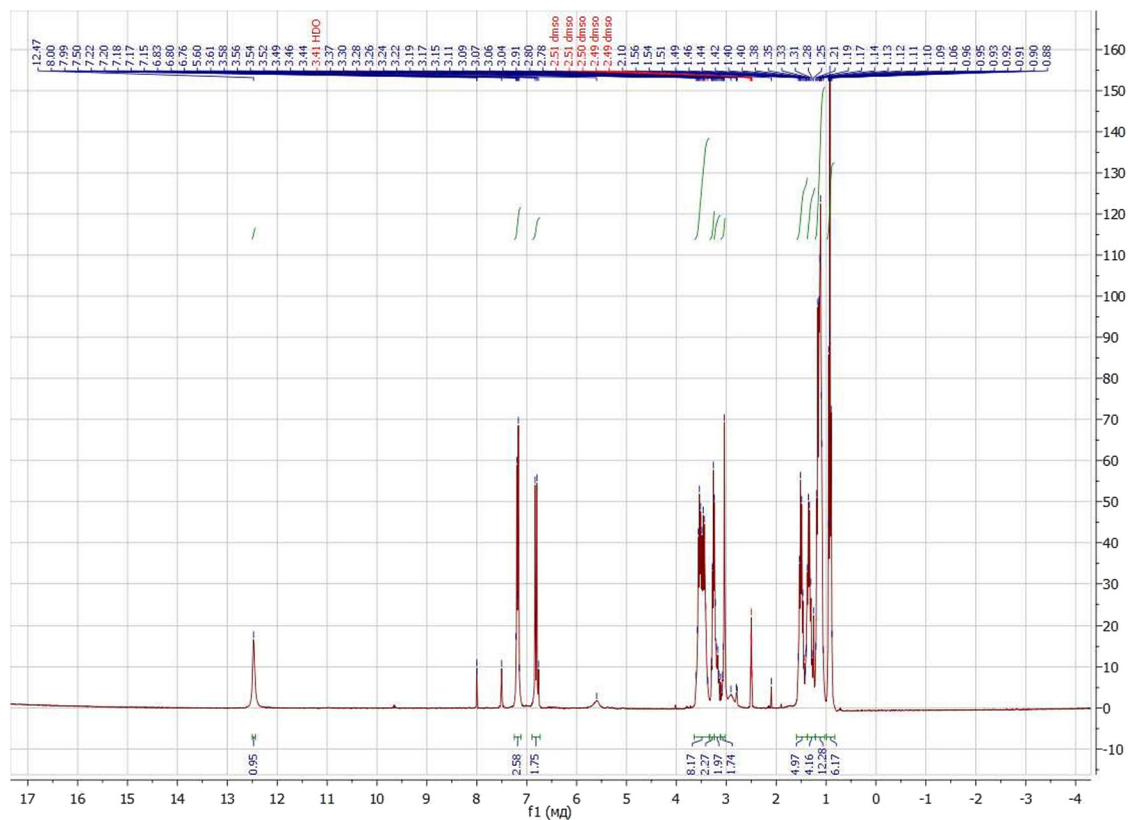


Figure S2: <sup>1</sup>H NMR spectrum of compound 2 (8.00 ppm – instrumental interference).

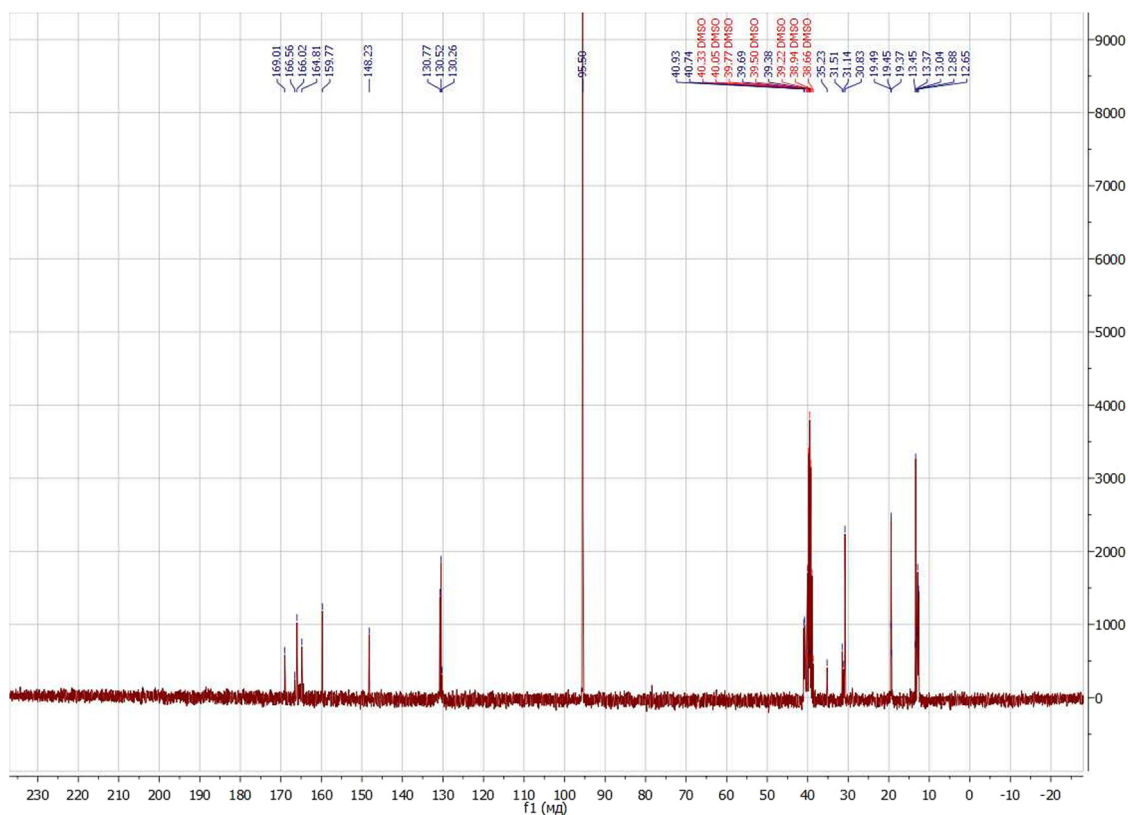


Figure S3: <sup>13</sup>C NMR spectrum of compound 2 (95.5 ppm – CCl<sub>4</sub>).

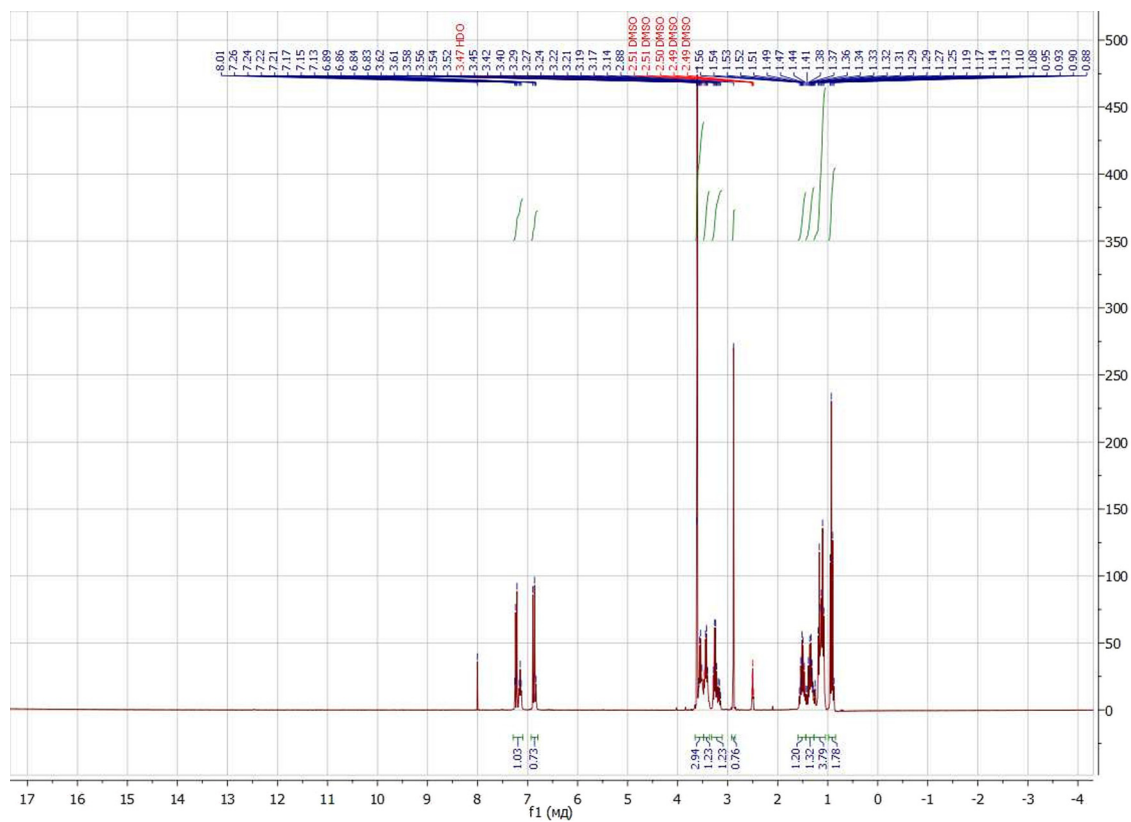


Figure S4:  $^1\text{H}$  NMR spectrum of compound **3** (8.00 ppm – instrumental interference).

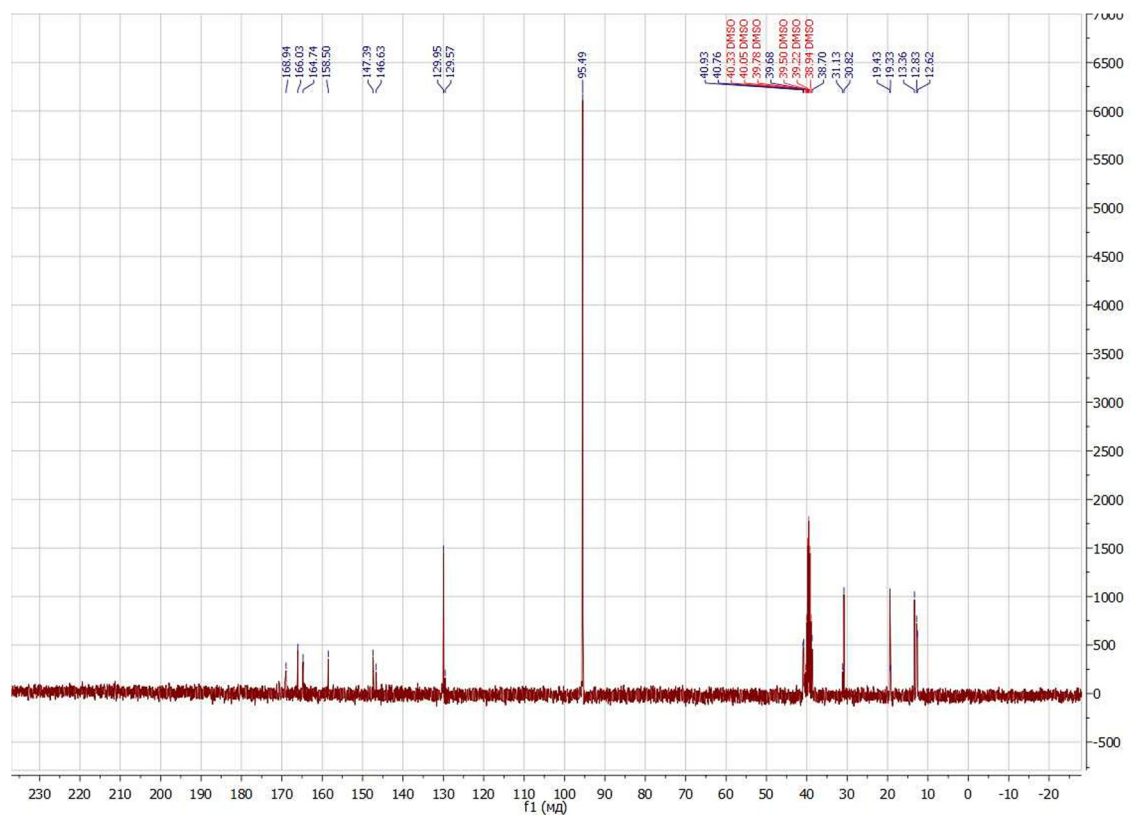


Figure S5:  $^{13}\text{C}$  NMR spectrum of compound **3** (95.5 ppm –  $\text{CCl}_4$ ).

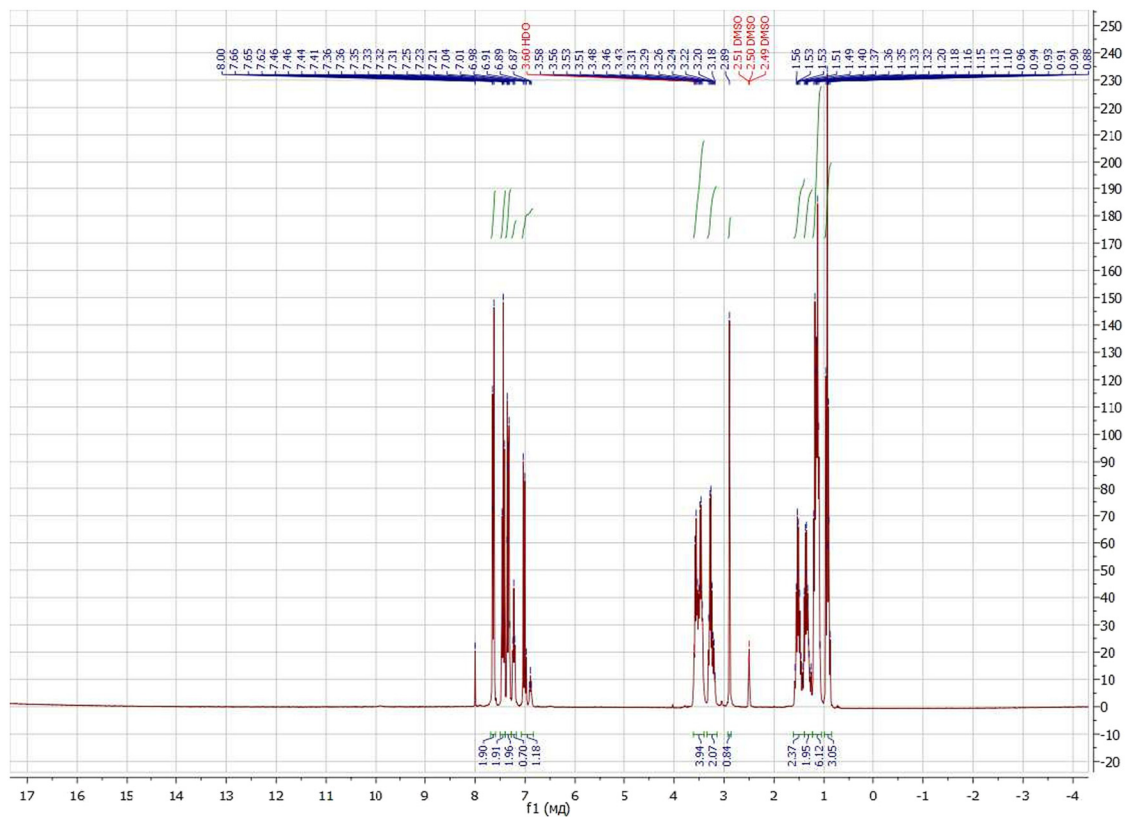


Figure S6:  $^1\text{H}$  NMR spectrum of compound 4 (8.00 ppm – instrumental interference).

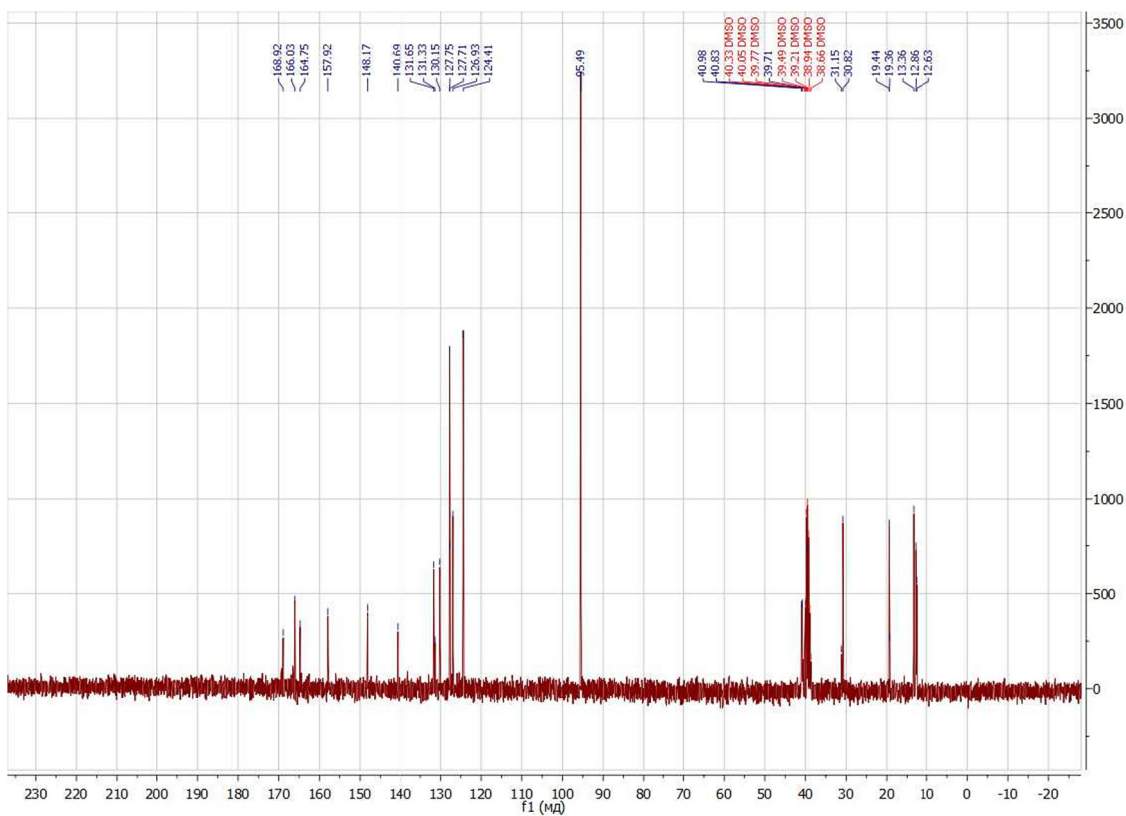


Figure S7:  $^{13}\text{C}$  NMR spectrum of compound 4 (95.5 ppm –  $\text{CDCl}_3$ ).

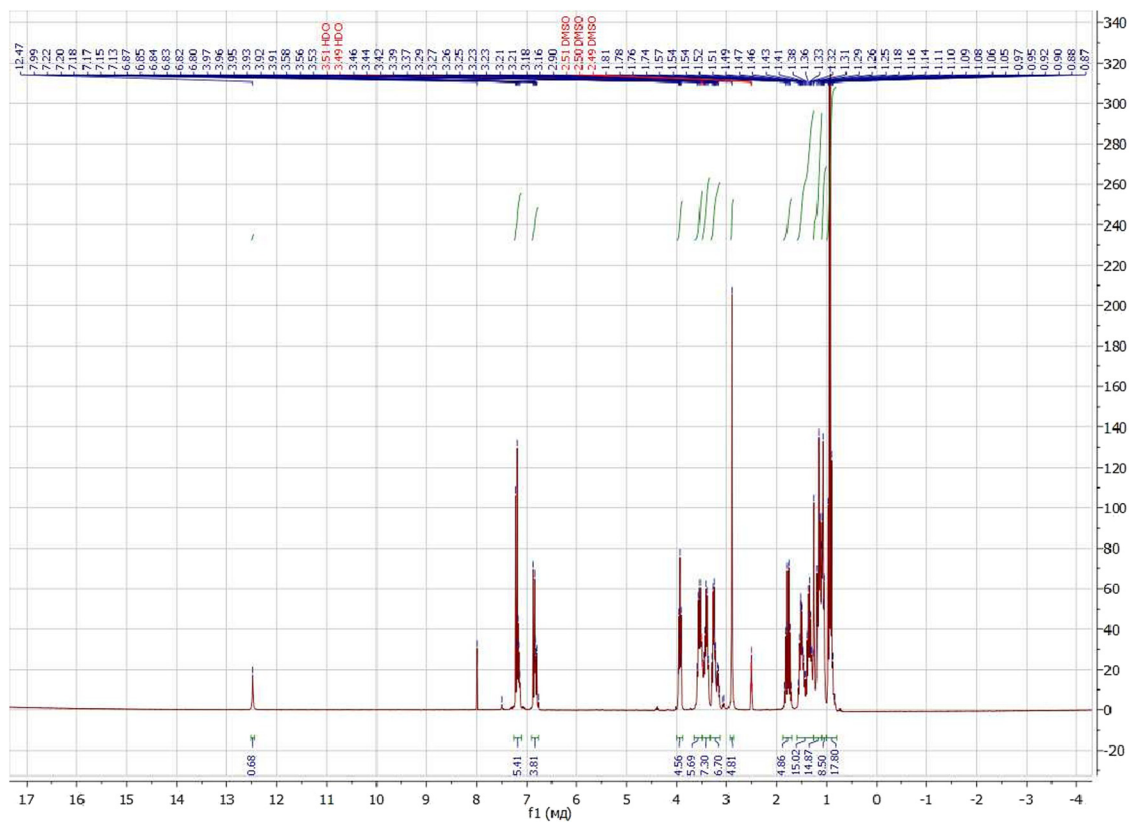


Figure S8:  $^1\text{H}$  NMR spectrum of compound 5 (8.00 ppm – instrumental interference).

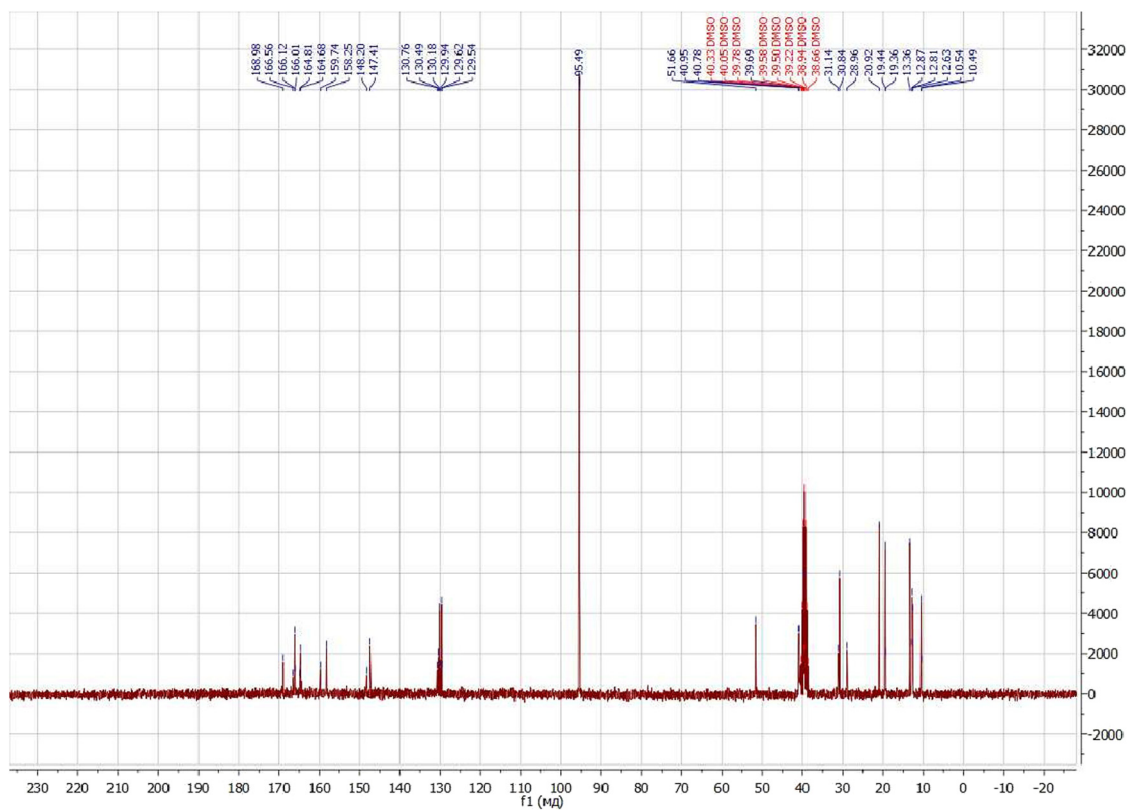
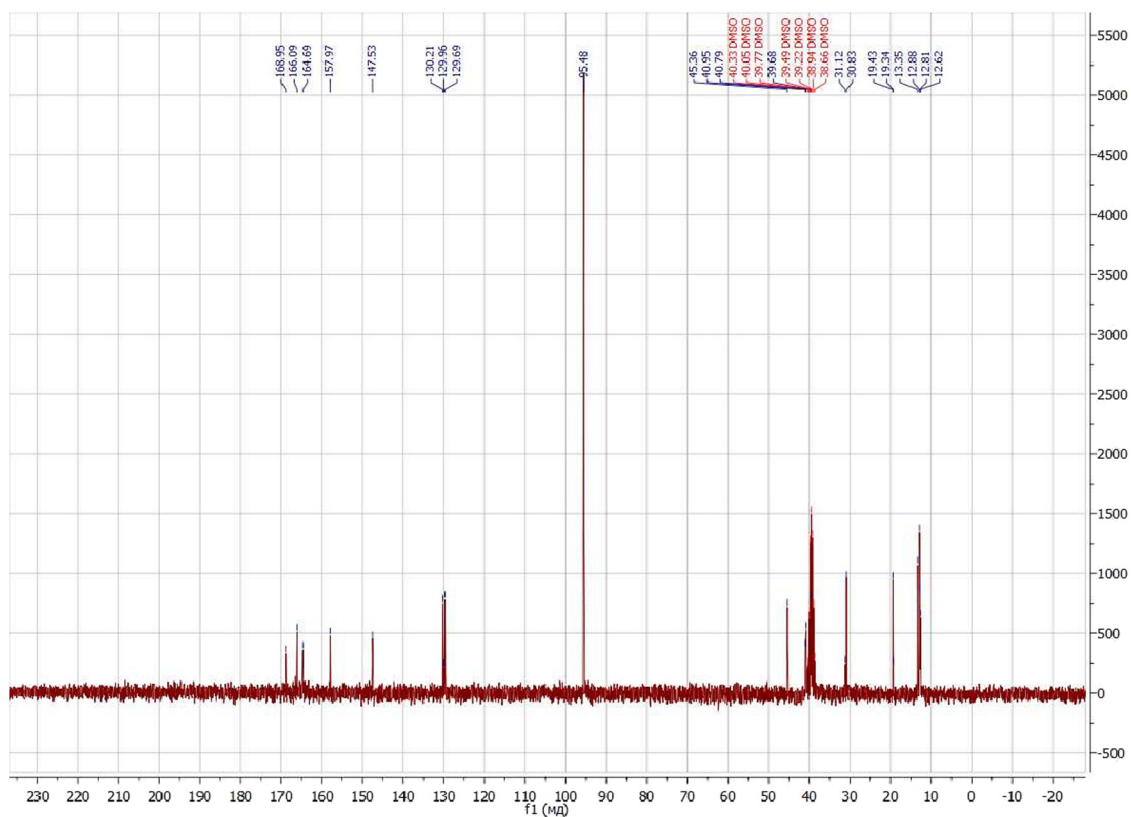
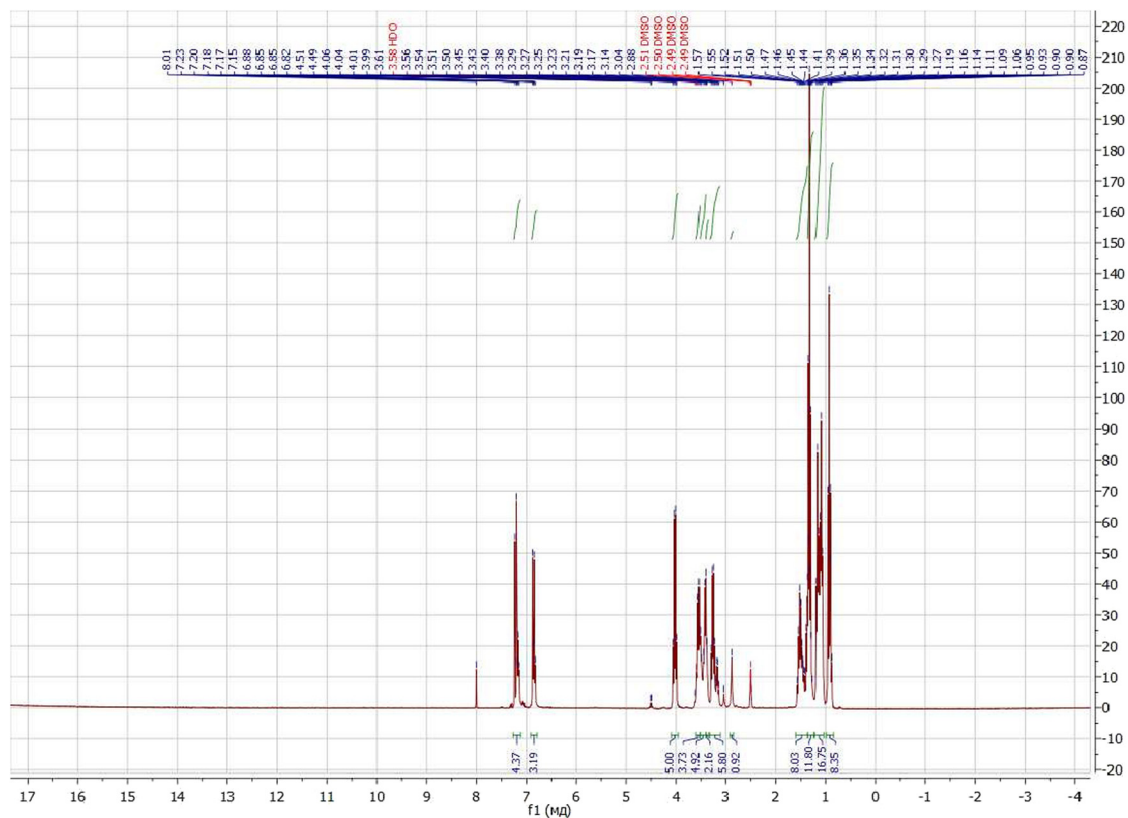


Figure S9:  $^{13}\text{C}$  NMR spectrum of compound 5 (95.5 ppm –  $\text{CCl}_4$ ).





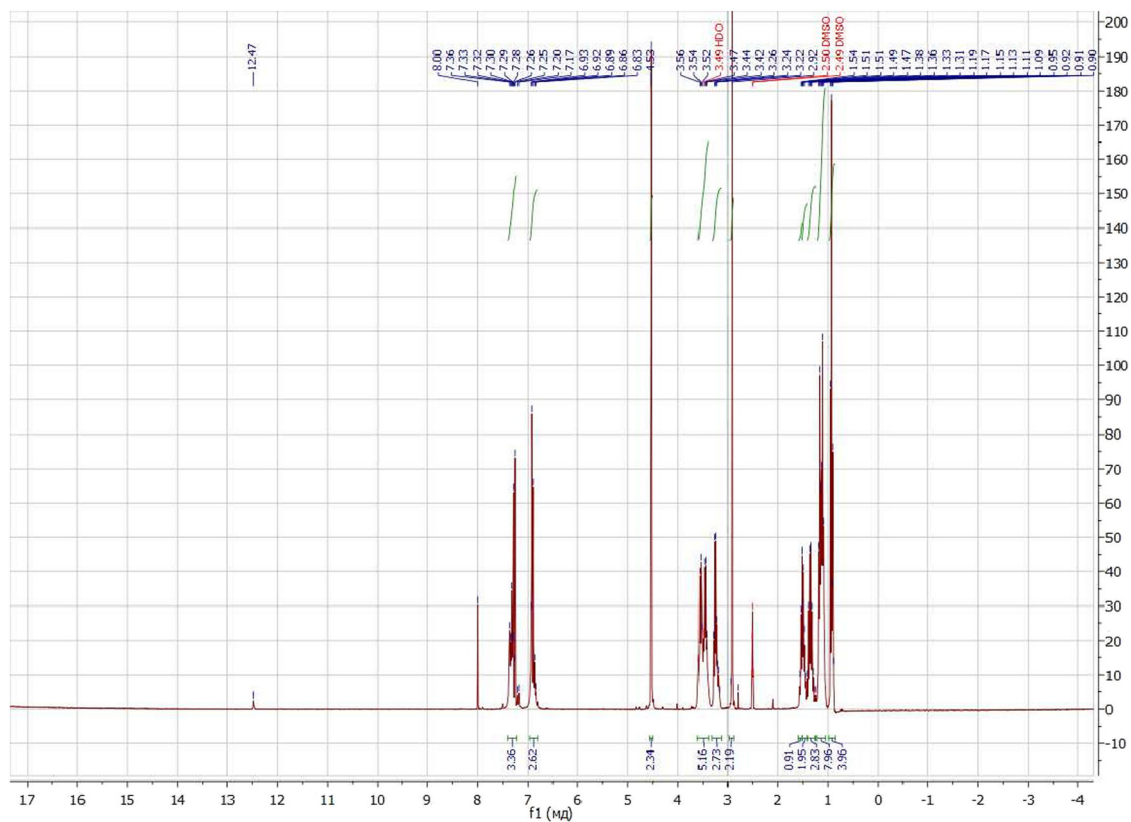


Figure S12:  $^1\text{H}$  NMR spectrum of compound **7** (8.00 ppm – instrumental interference).

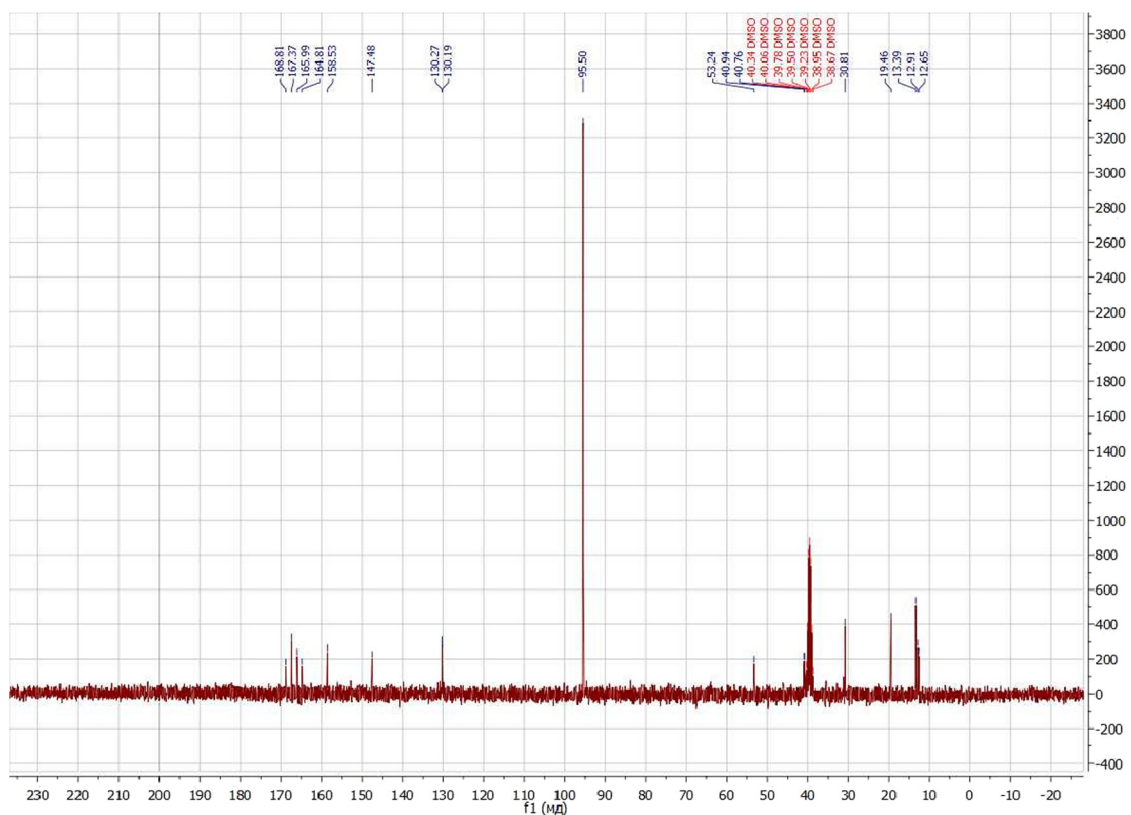


Figure S13:  $^{13}\text{C}$  NMR spectrum of compound **7** (95.5 ppm –  $\text{CCl}_4$ ).

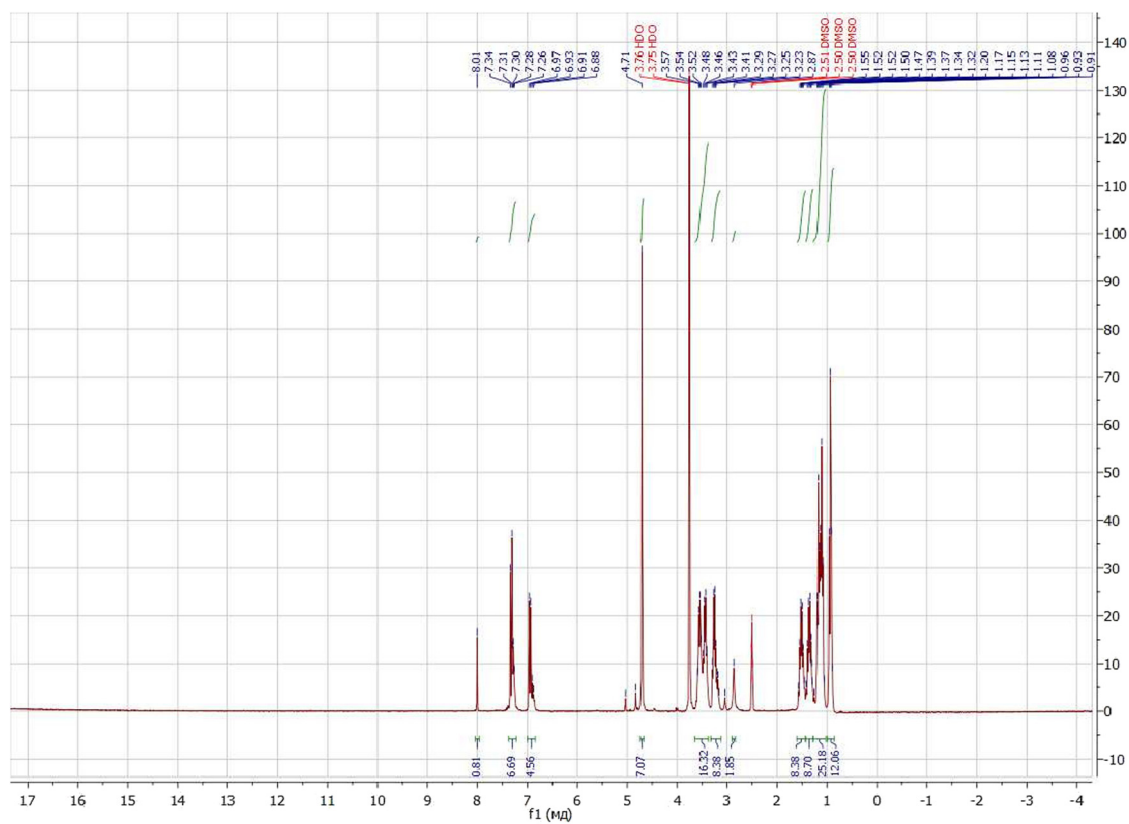


Figure S14: <sup>1</sup>H NMR spectrum of compound **8** (8.00 ppm – instrumental interference).

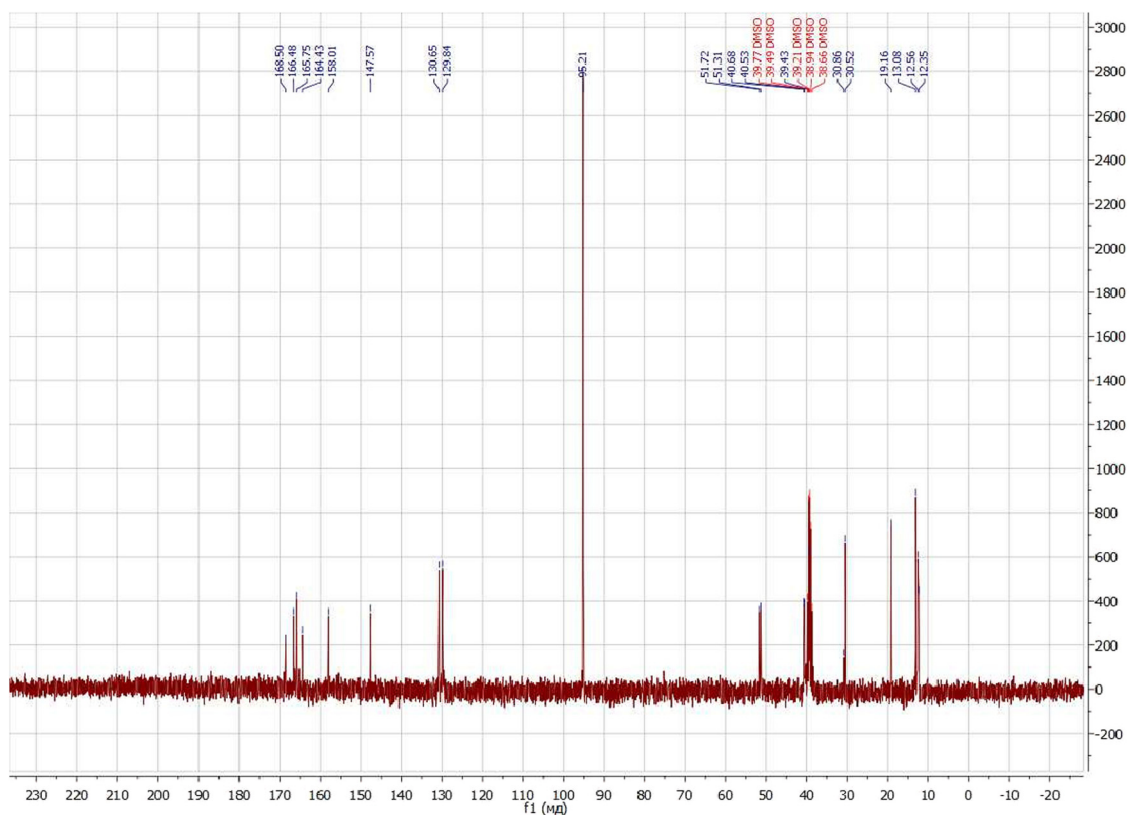


Figure S15: <sup>13</sup>C NMR spectrum of compound **8** (95.5 ppm – CCl<sub>4</sub>).



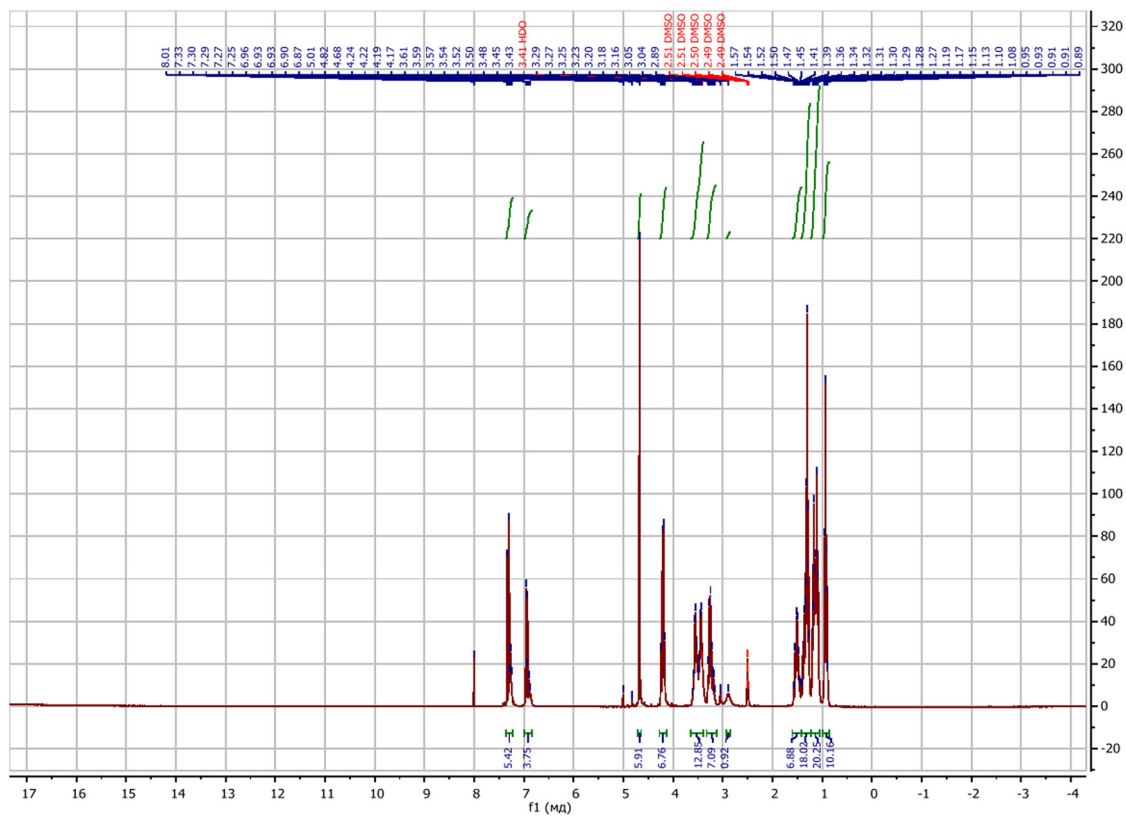


Figure S16:  $^1\text{H}$  NMR spectrum of compound **9** (8.00 ppm – instrumental interference).

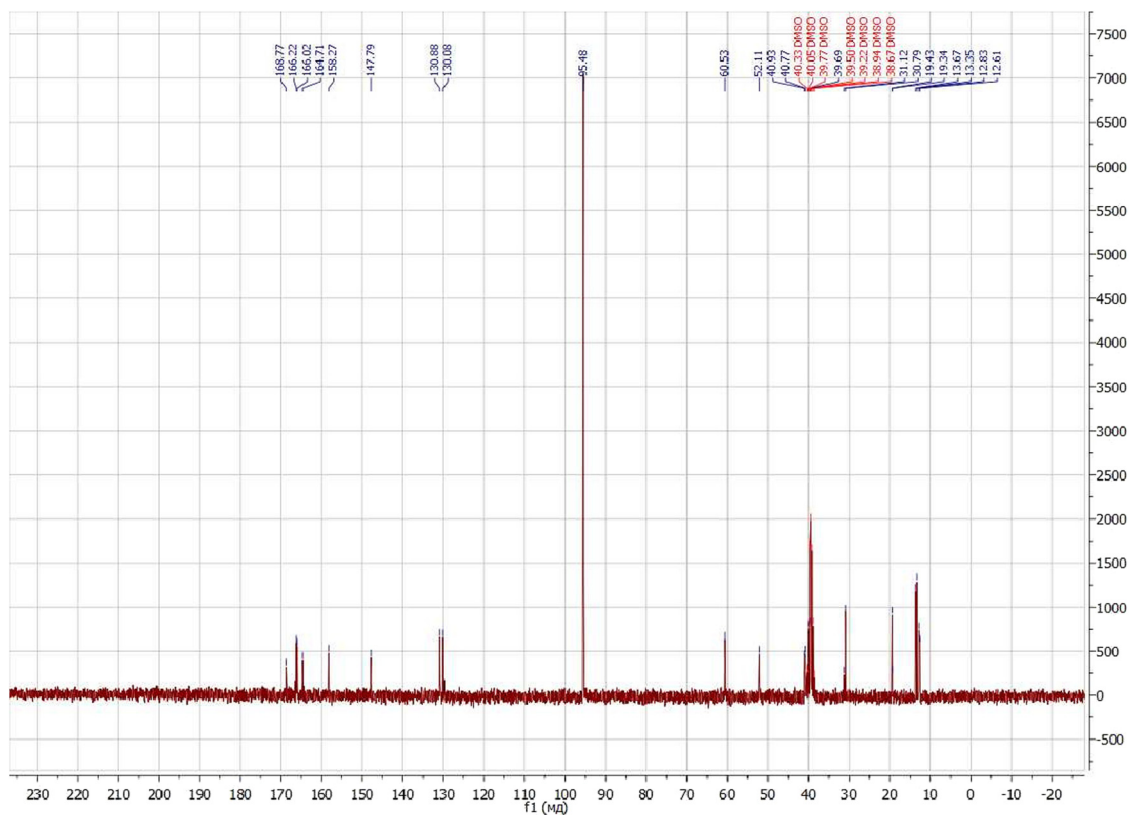


Figure S17:  $^{13}\text{C}$  NMR spectrum of compound **9** (95.5 ppm –  $\text{CCl}_4$ ).