

## Supplementary Material

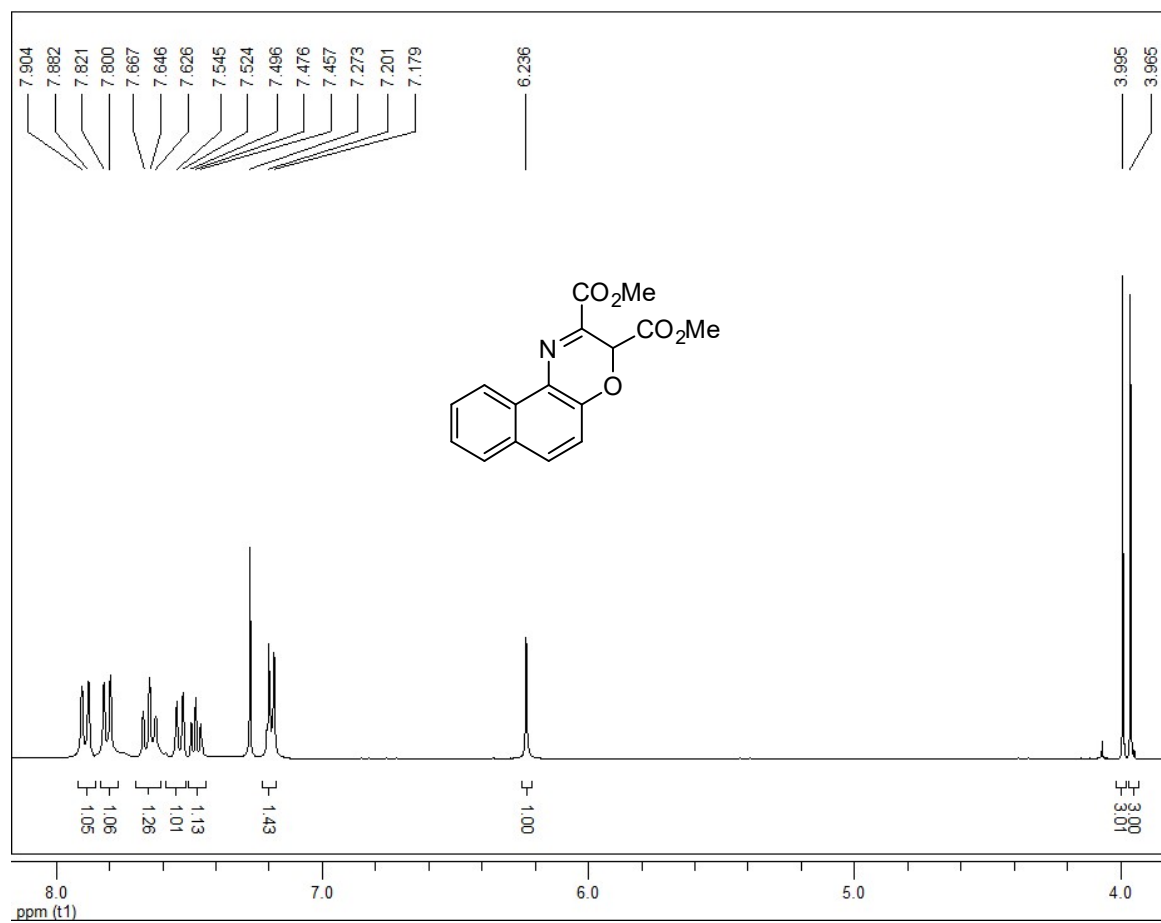
### **New and efficient synthesis of 1,4-oxazines through the reaction of acetylenic esters and nitrosonaphthols in the presence of phosphine derivatives**

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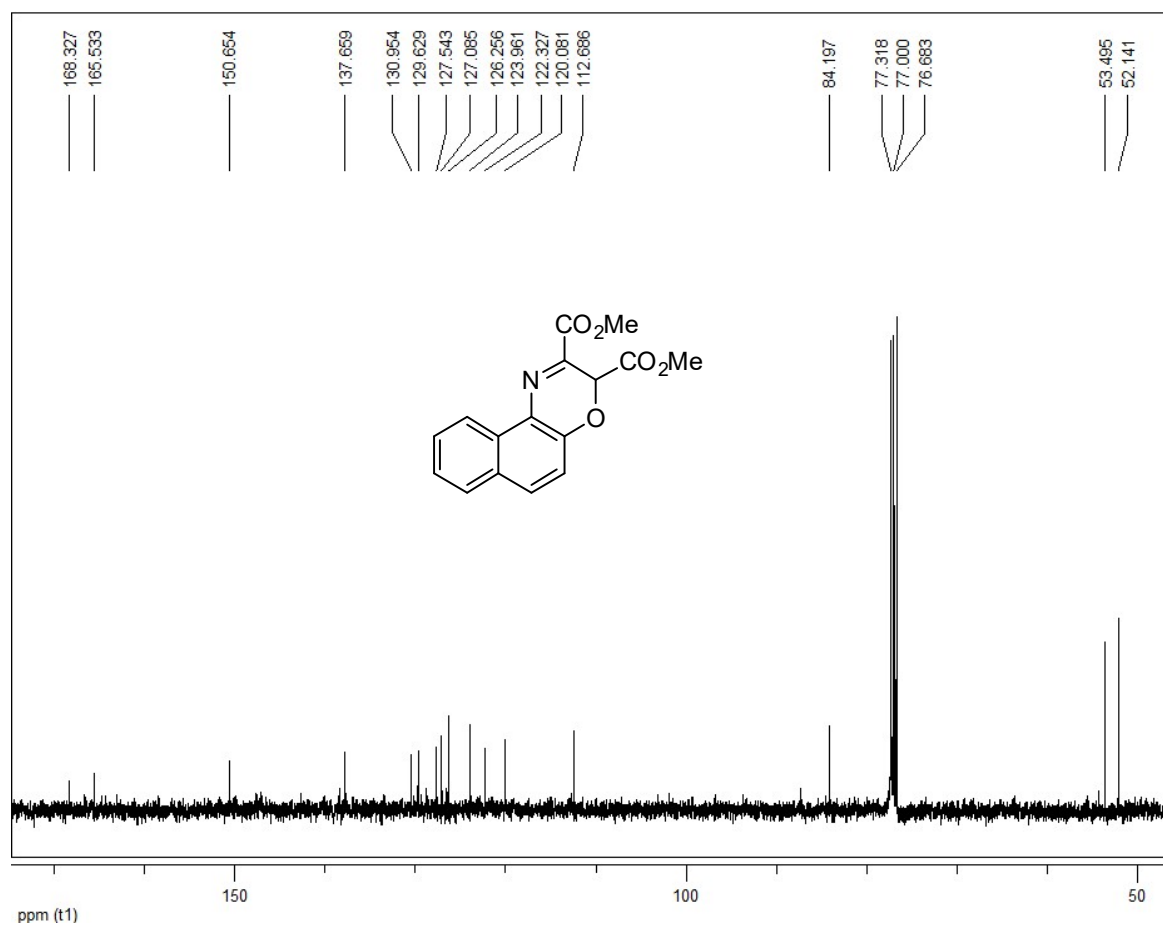
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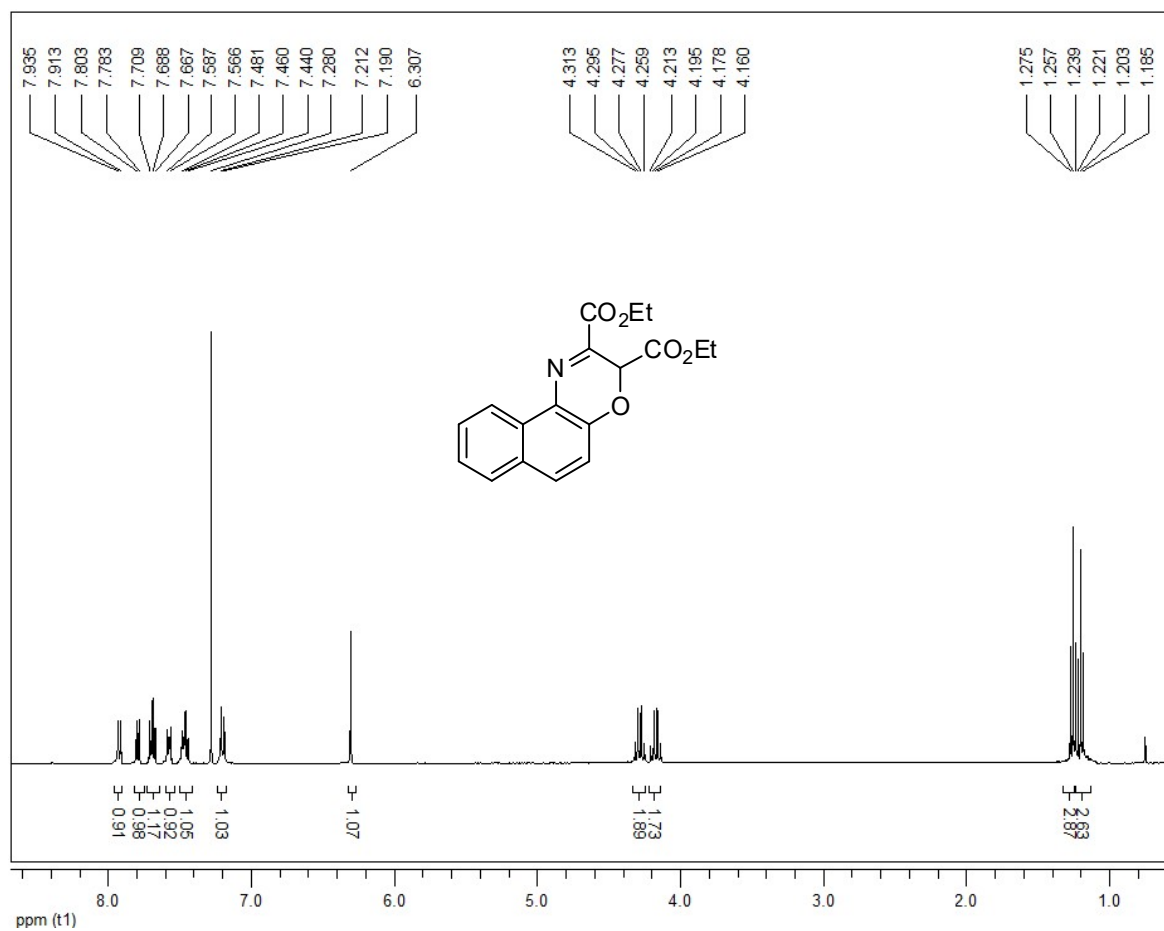
**Supplementary Material:** <sup>1</sup>H and <sup>13</sup>C NMR spectra of all reported compounds.



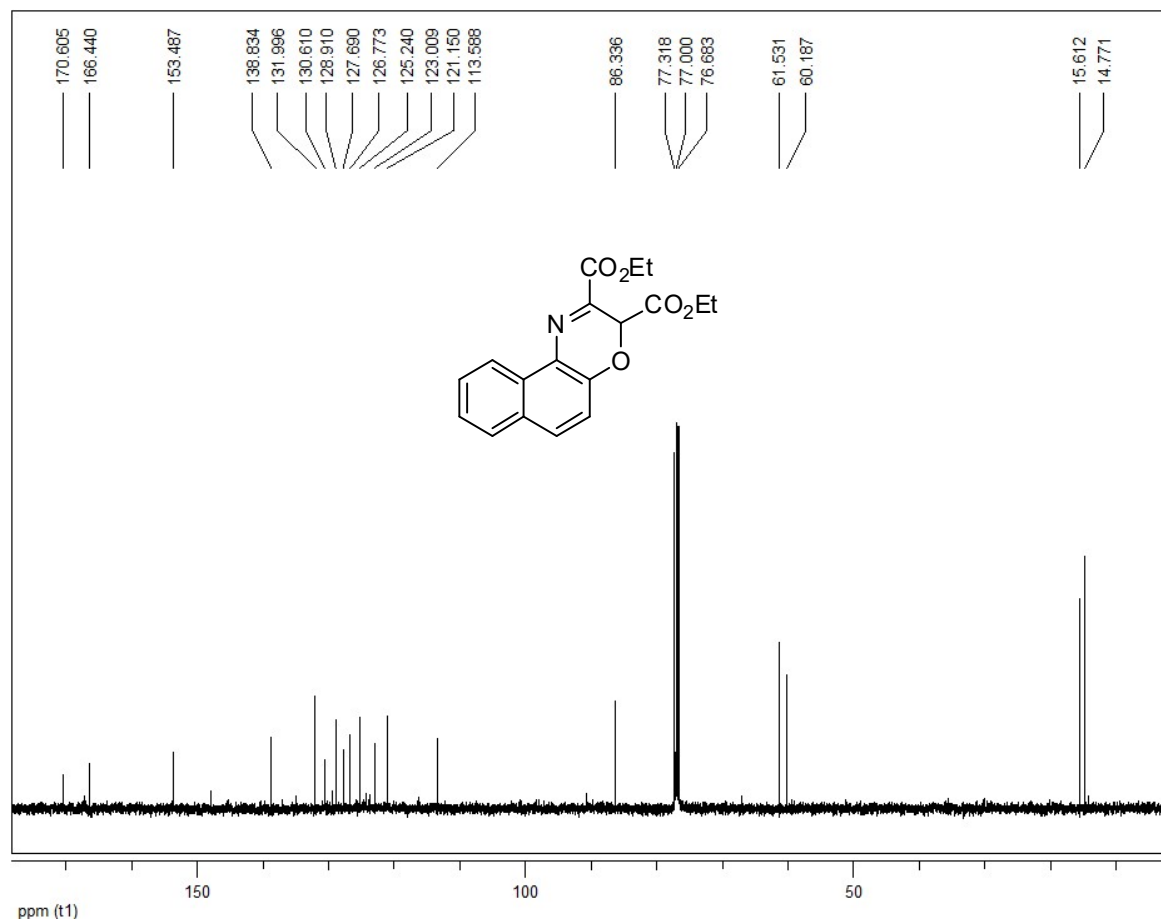
**Figure 1.** <sup>1</sup>H NMR spectrum of compound **5a** (400 MHz, CDCl<sub>3</sub>).



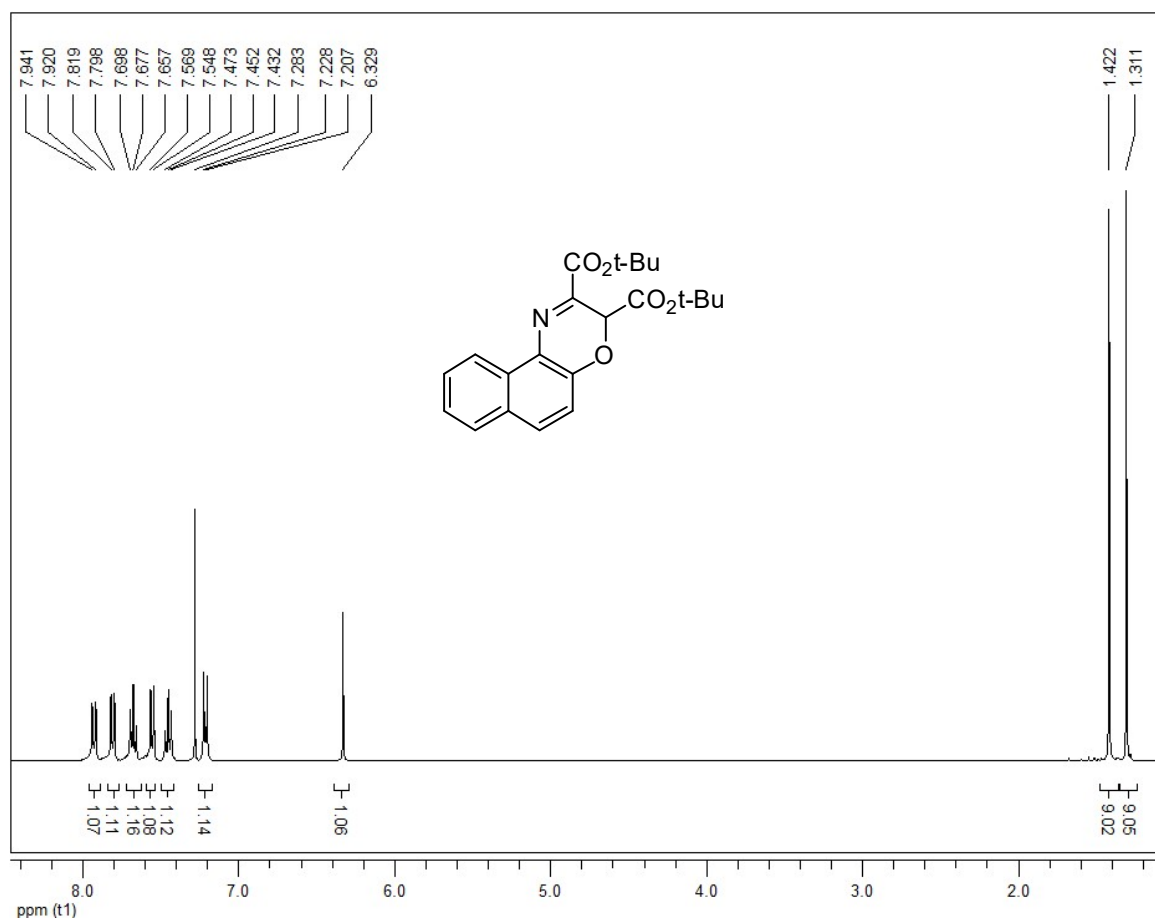
**Figure 2.**  $^{13}\text{C}$  NMR spectrum of compound 5a (100 MHz,  $\text{CDCl}_3$ ).



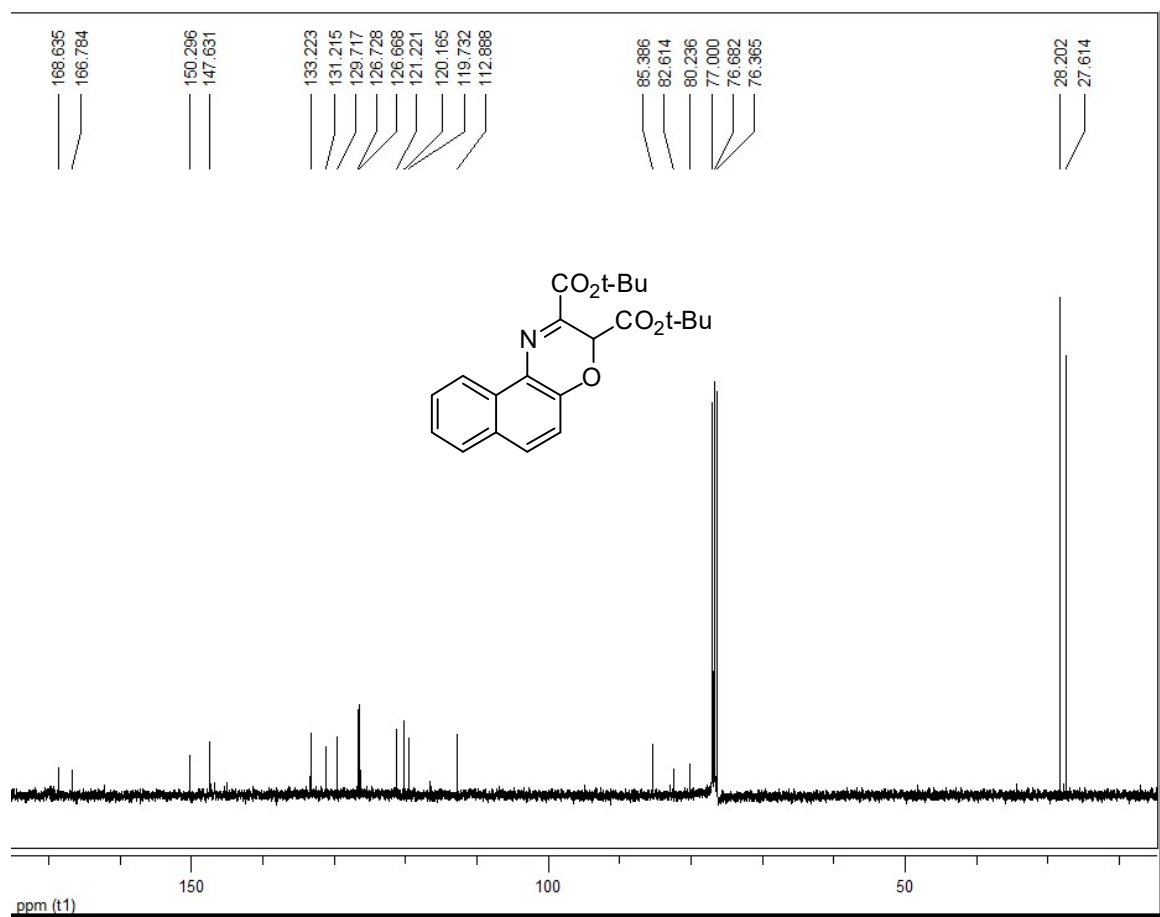
**Figure 3.** <sup>1</sup>H NMR spectrum of compound **5b** (400 MHz, CDCl<sub>3</sub>).



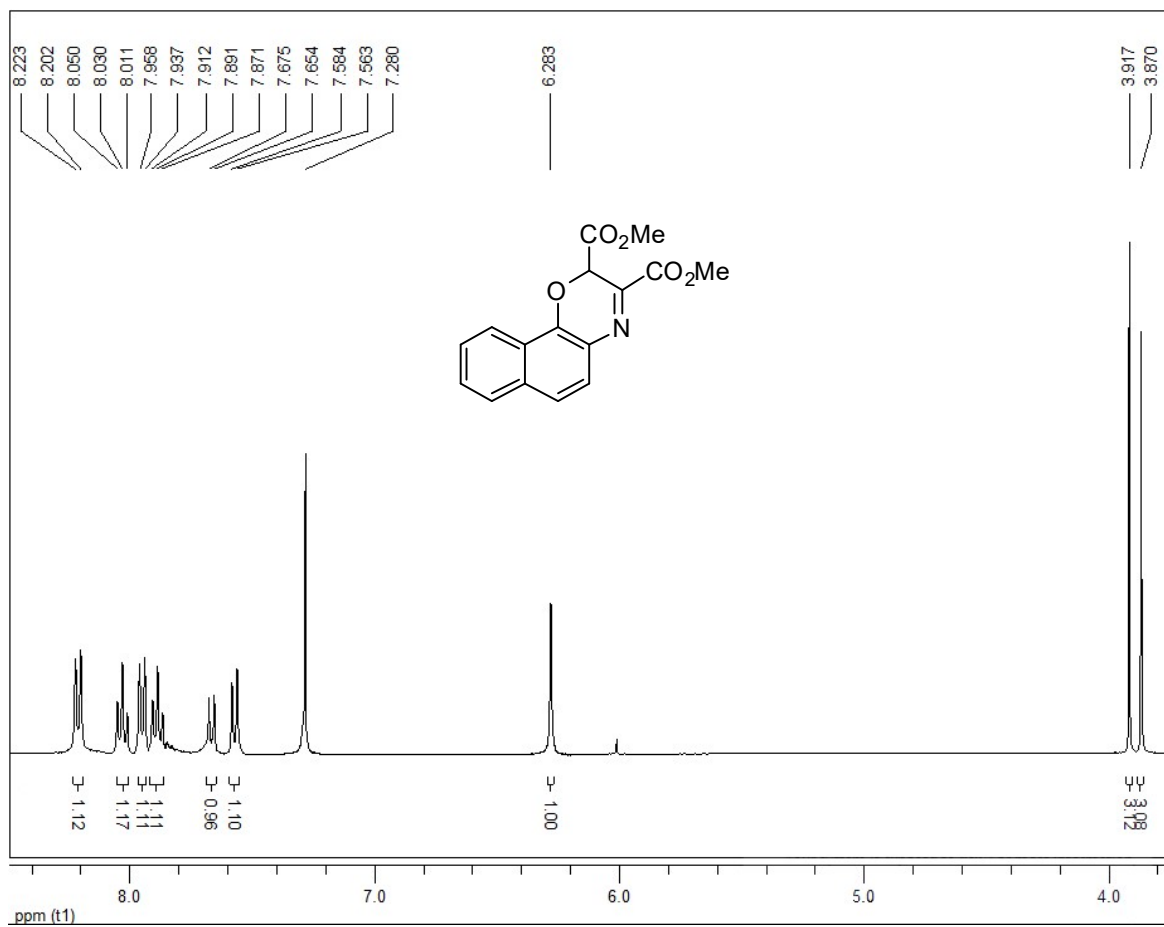
**Figure 4.**  $^{13}\text{C}$  NMR spectrum of compound **5b** (100 MHz,  $\text{CDCl}_3$ ).



**Figure 5.** <sup>1</sup>H NMR spectrum of compound **5c** (400 MHz, CDCl<sub>3</sub>).

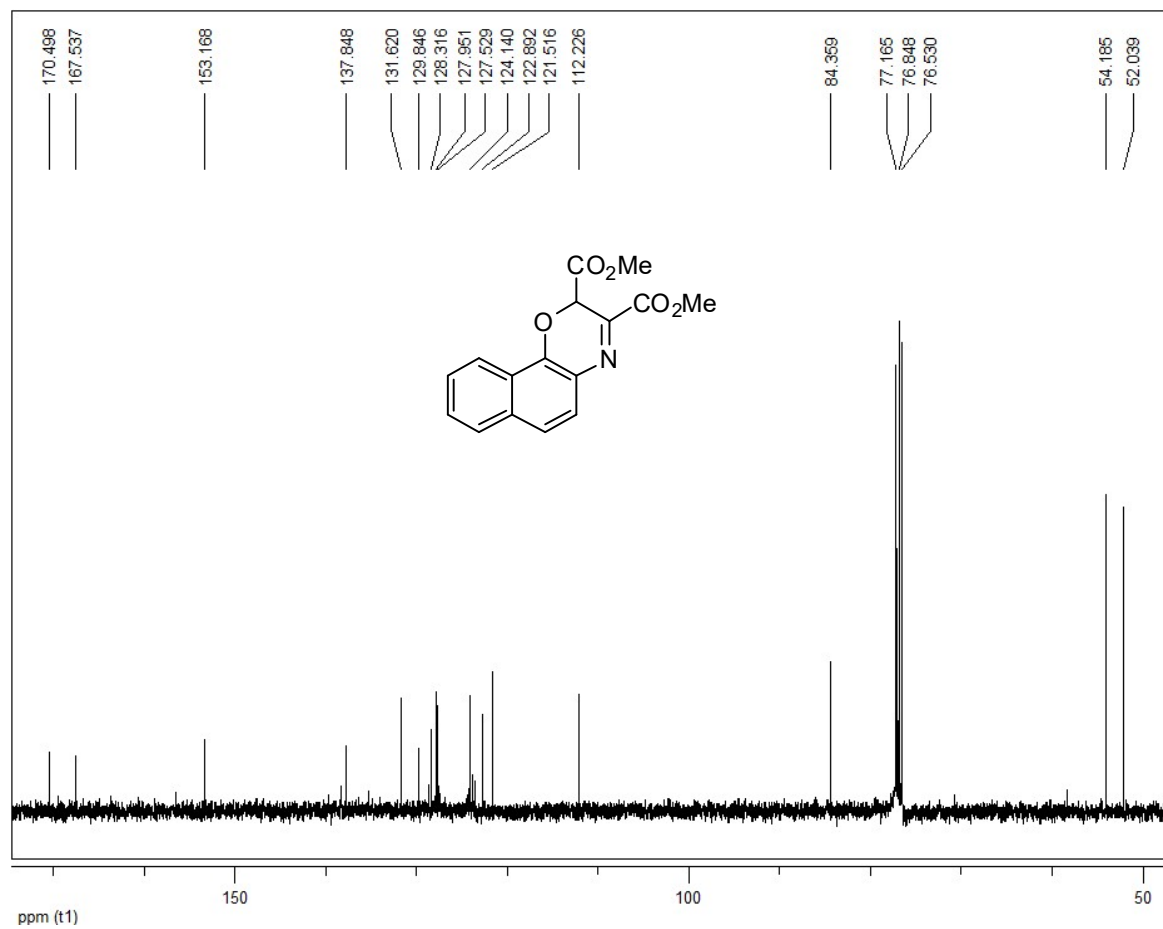


**Figure 6.** <sup>13</sup>C NMR spectrum of compound 5c (100 MHz, CDCl<sub>3</sub>).

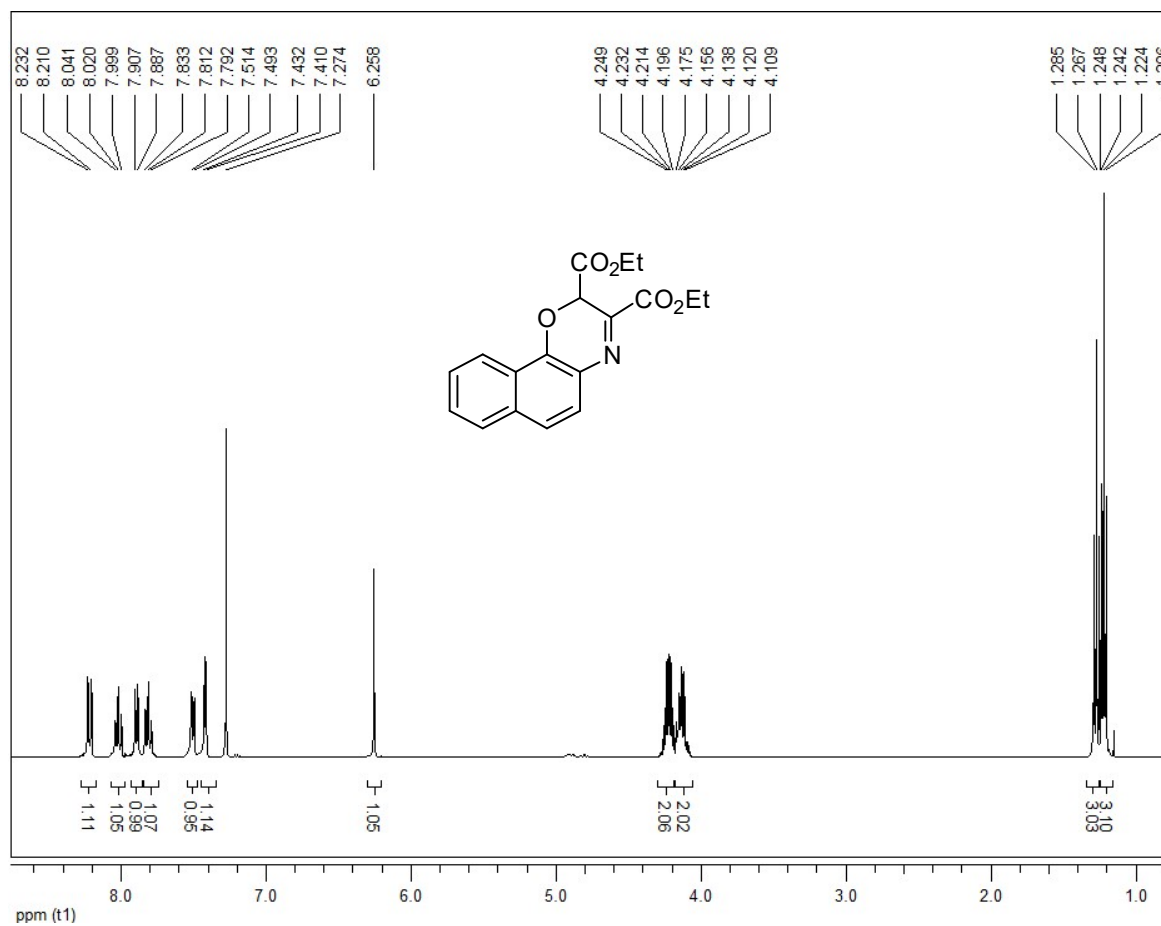


**Figure 7.** <sup>1</sup>H NMR spectrum of compound **6a** (400 MHz, CDCl<sub>3</sub>).

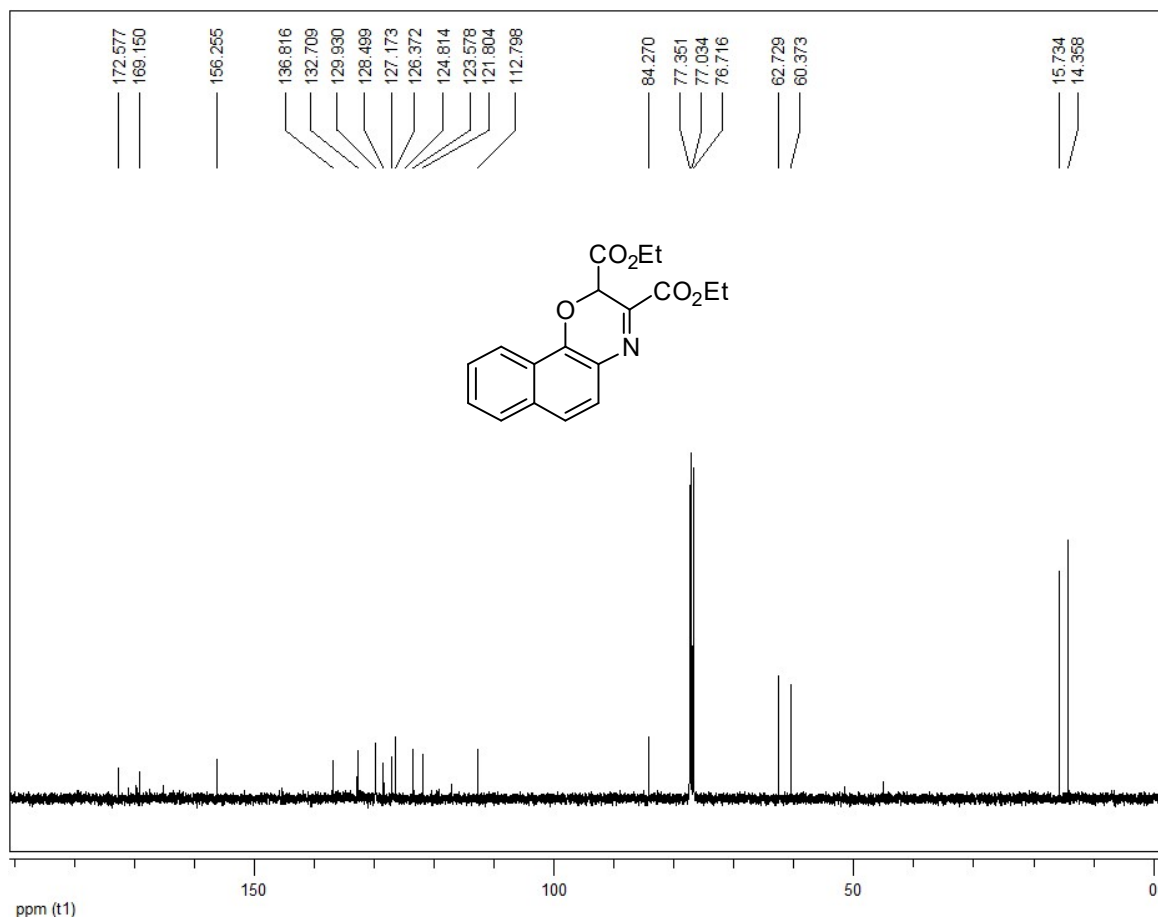




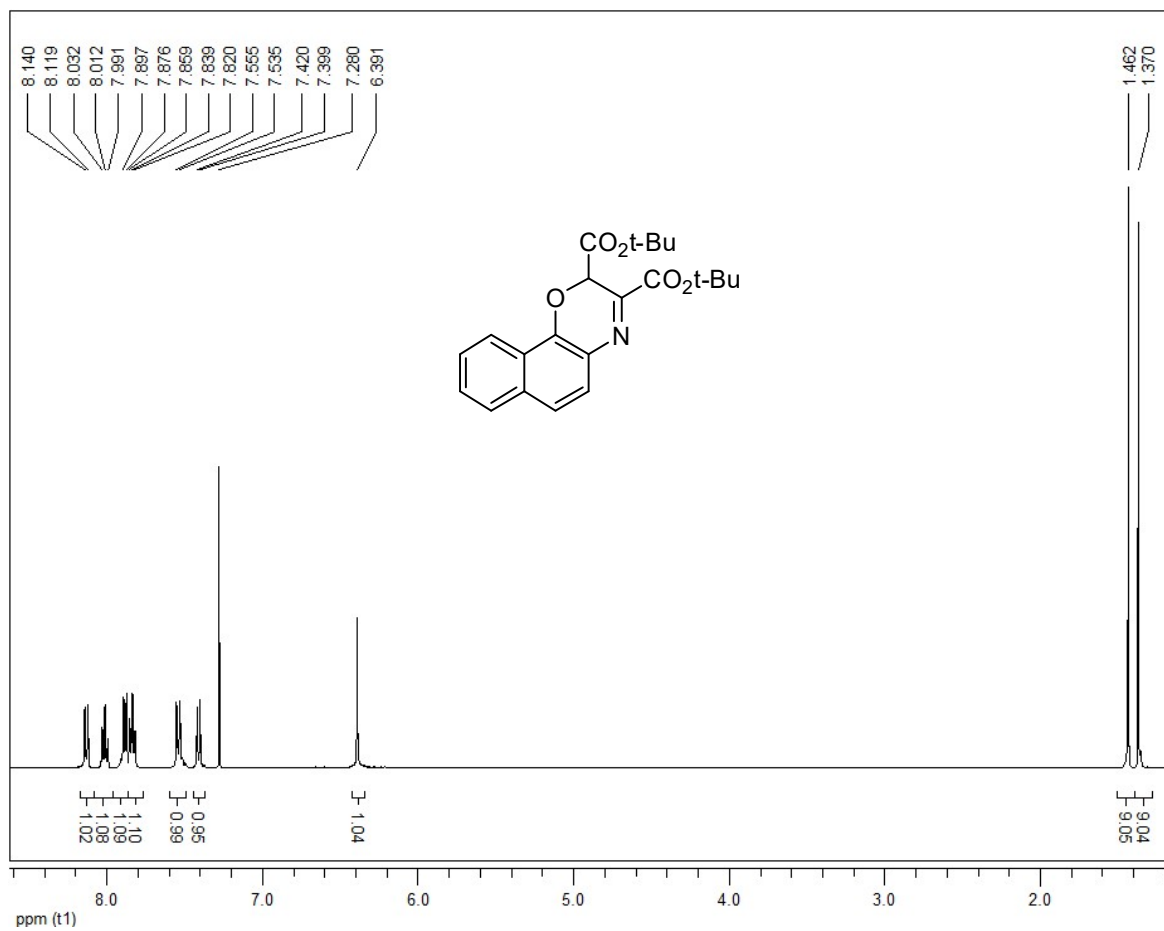
**Figure 8.** <sup>13</sup>C NMR spectrum of compound 6a (100 MHz, CDCl<sub>3</sub>).



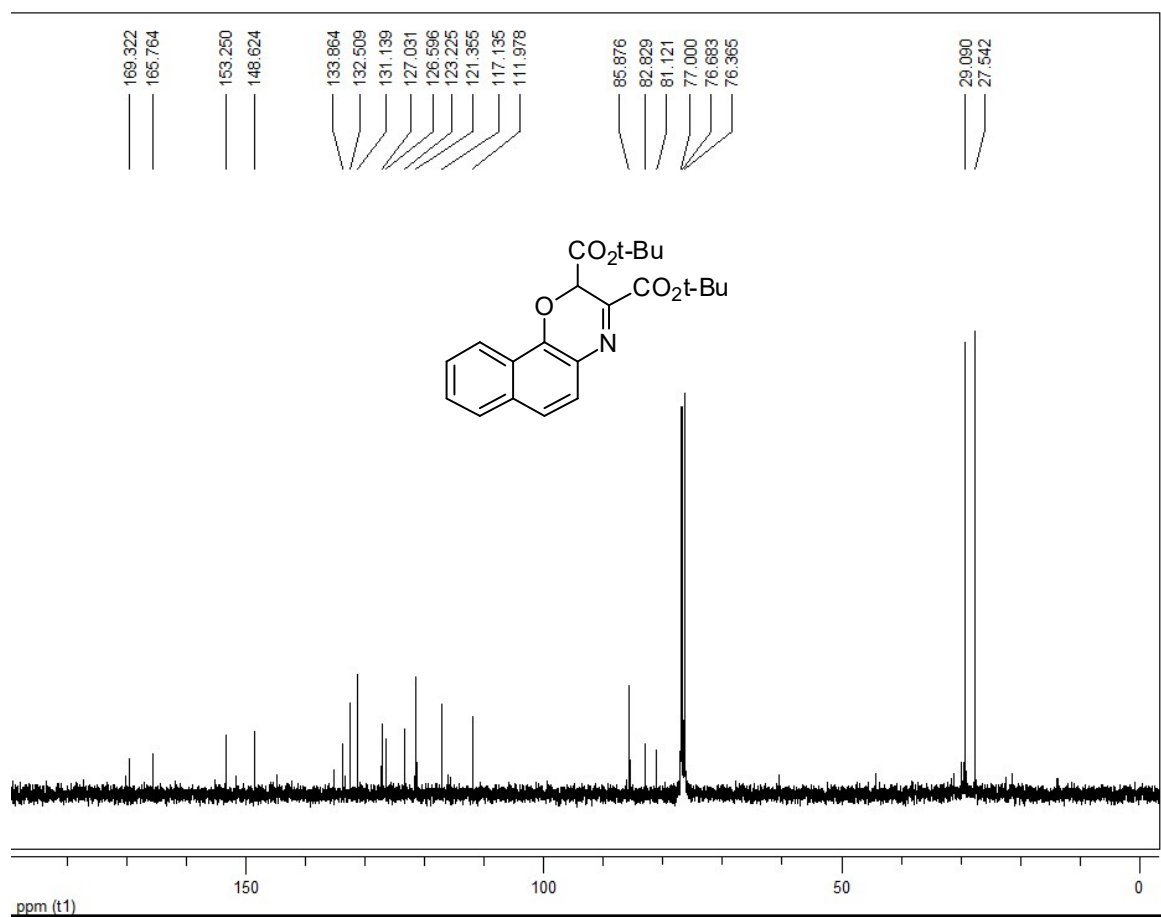
**Figure 9.** <sup>1</sup>H NMR spectrum of compound **6b** (400 MHz, CDCl<sub>3</sub>).



**Figure 10.** <sup>13</sup>C NMR spectrum of compound **6b** (100 MHz, CDCl<sub>3</sub>).



**Figure 11.** <sup>1</sup>H NMR spectrum of compound **6c** (400 MHz, CDCl<sub>3</sub>).



**Figure 12.** <sup>13</sup>C NMR spectrum of compound **6c** (100 MHz, CDCl<sub>3</sub>).