

Supporting Information for:

**EFFICIENT SYNTHESIS OF ACRYLATES BEARING AN ARYL OR HETEROARYL MOIETY: ONE-POT METHOD FROM AROMATICS AND HETEROAROMATICS USING FORMYLATION AND THE HORNER-WADSWORTH-EMMONS REACTION**

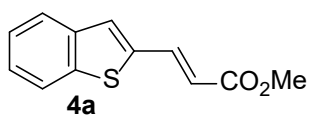
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API R&D Laboratory, CMC R&D Division, Shionogi & Co., Ltd.,

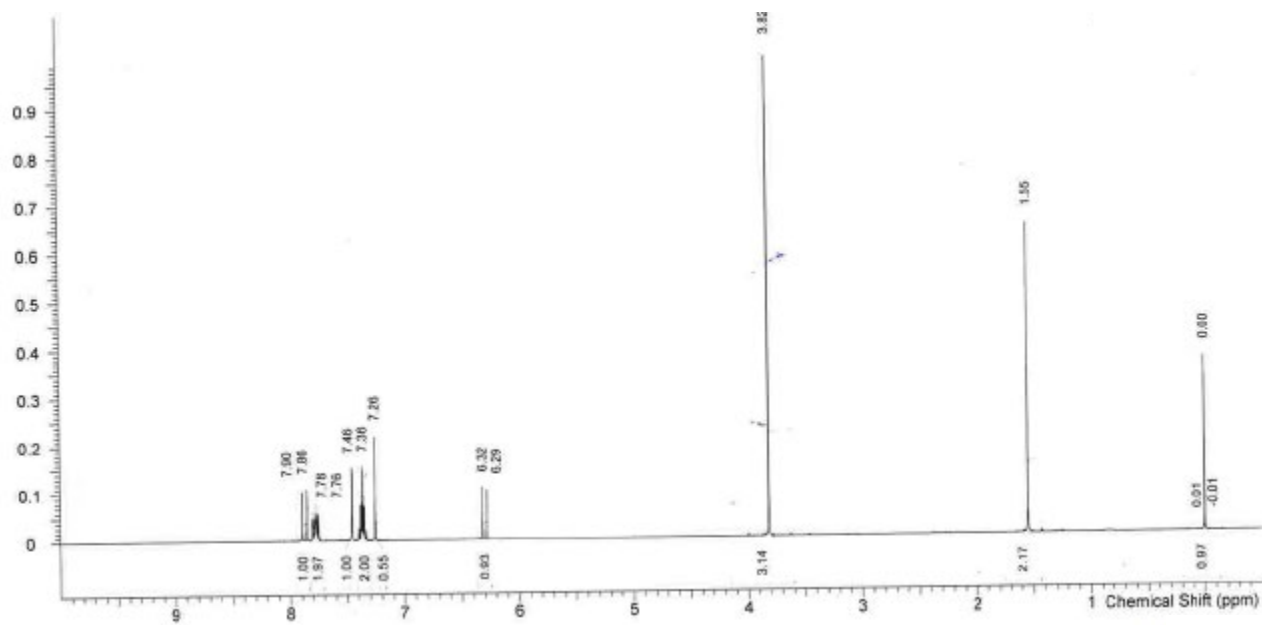
1-3 Kuise Terajima 2-chome, Amagasaki, Hyogo 660-0813, Japan

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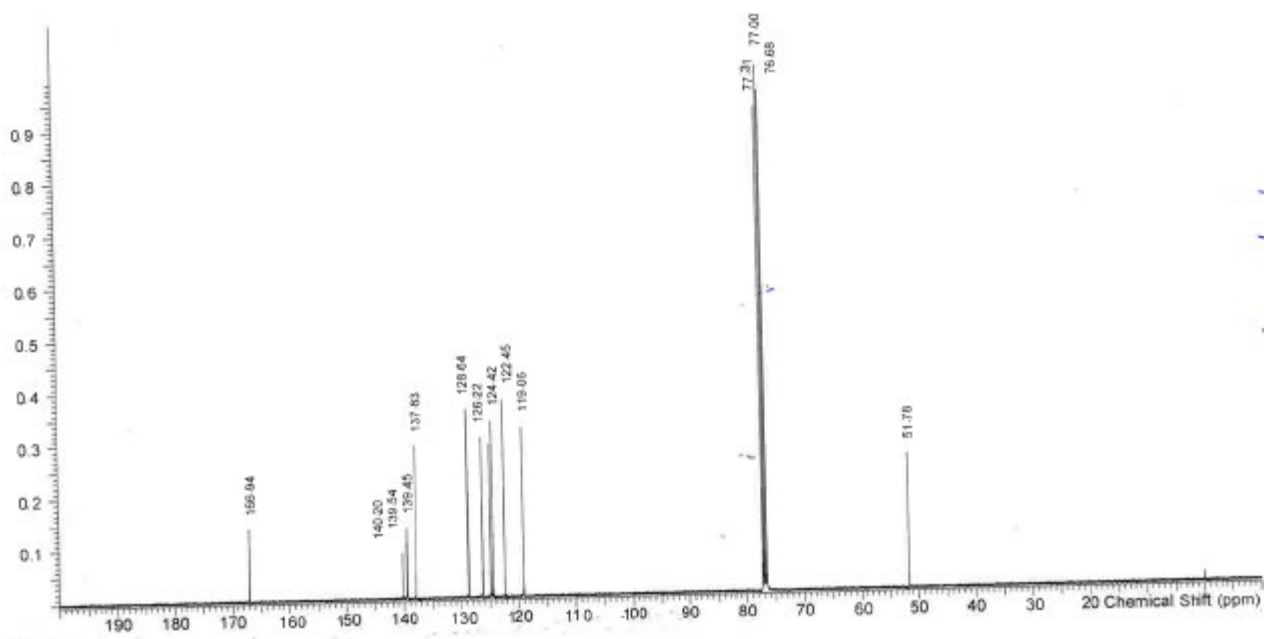
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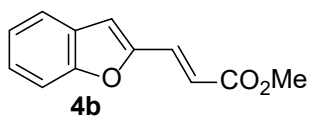


$^1\text{H}$  NMR spectrum of **4a**

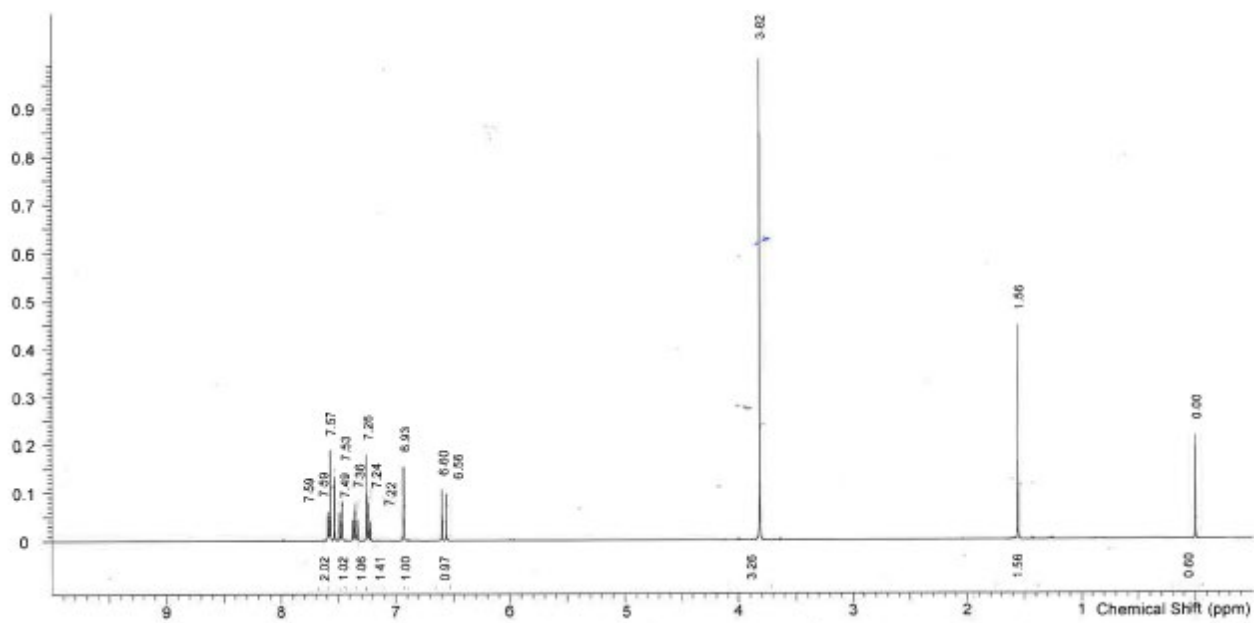


$^{13}\text{C}$  NMR spectrum of **4a**

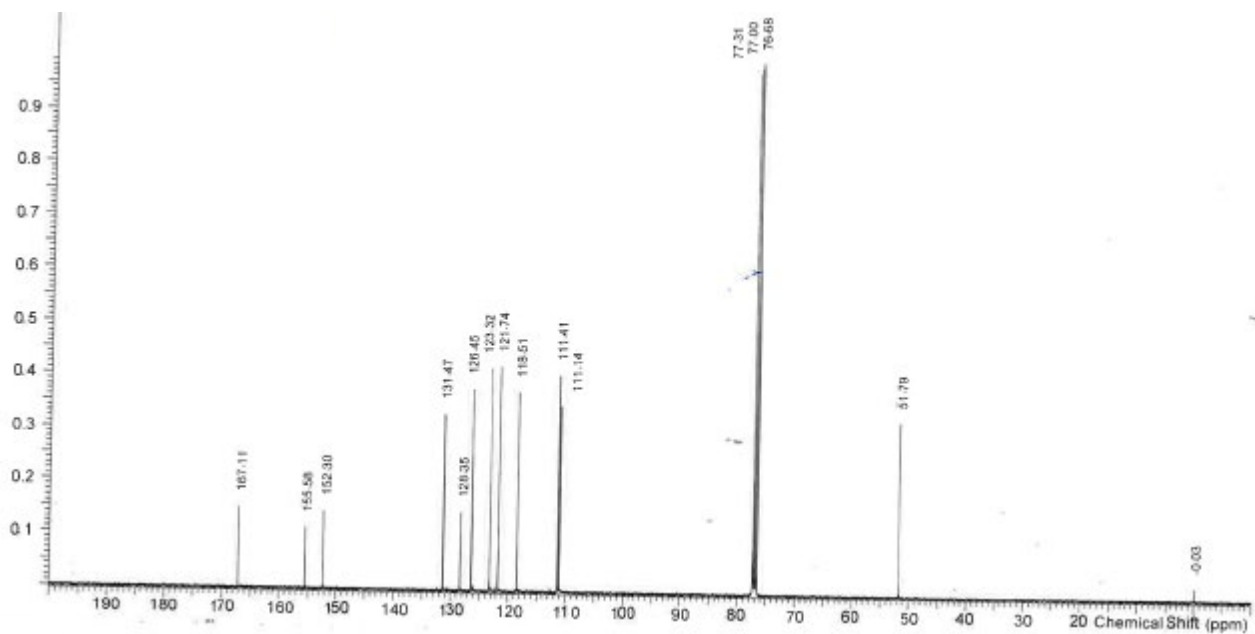


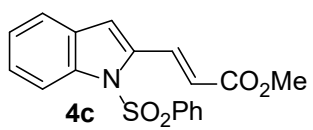


<sup>1</sup>H NMR spectrum of **4b**

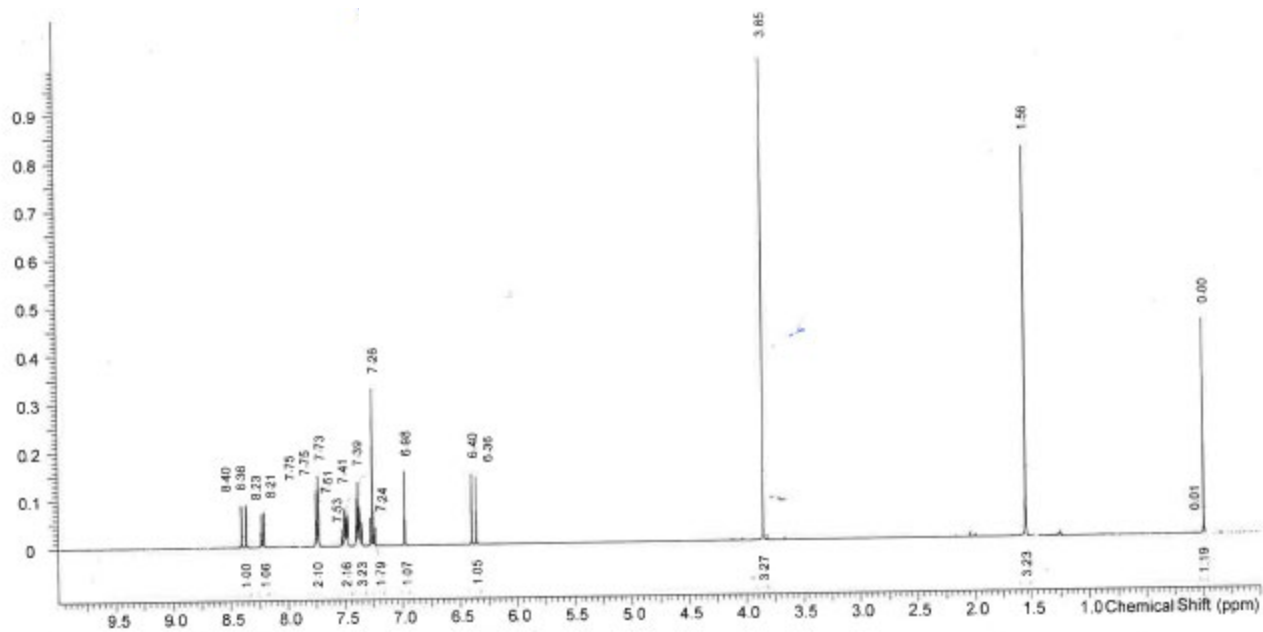


<sup>13</sup>C NMR spectrum of **4b**

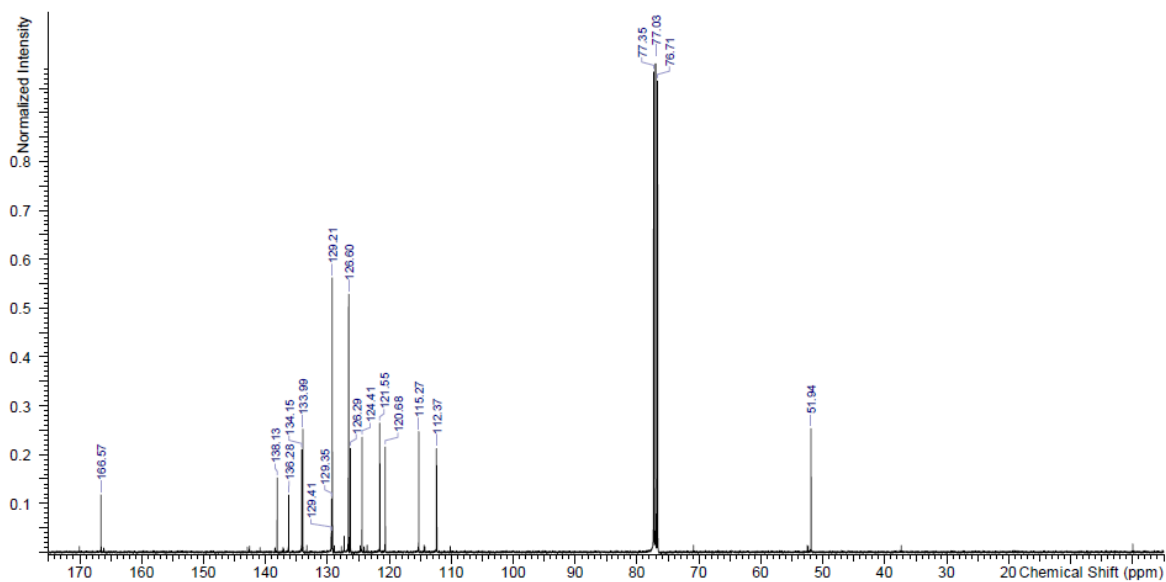


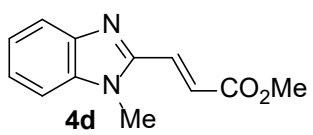


<sup>1</sup>H NMR spectrum of **4c**

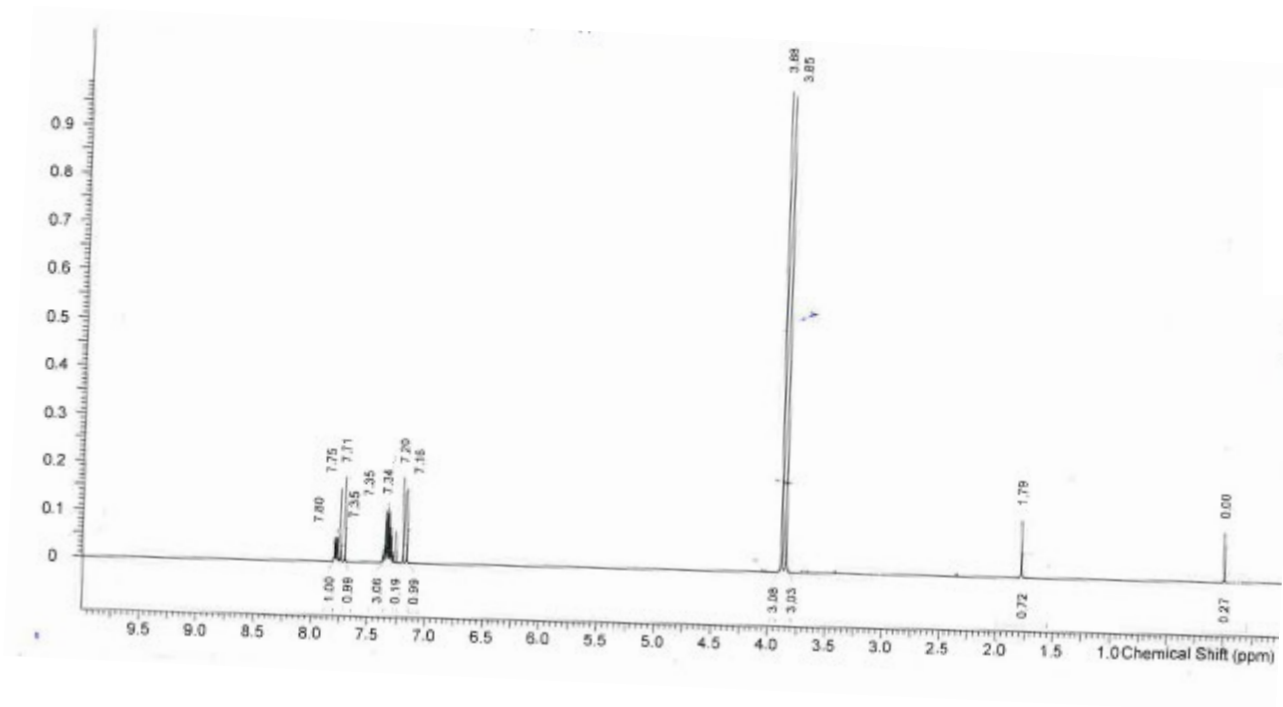


<sup>13</sup>C NMR spectrum of **4c**

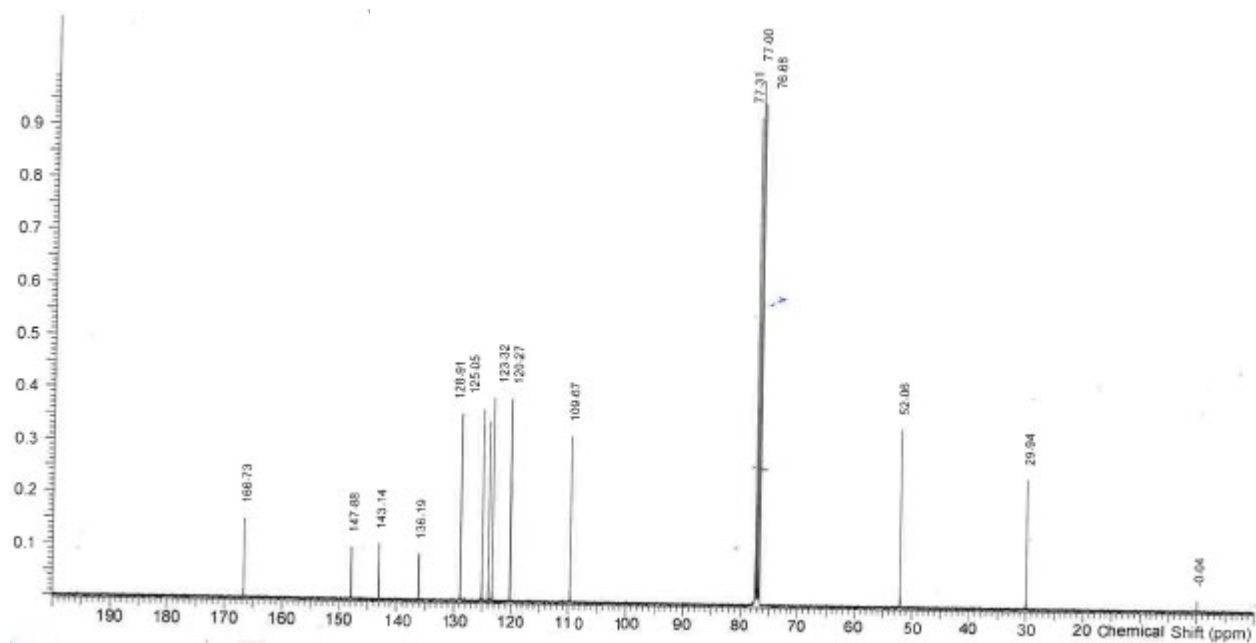


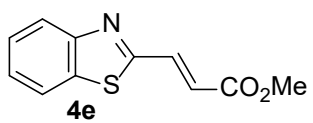


$^1\text{H}$  NMR spectrum of **4d**

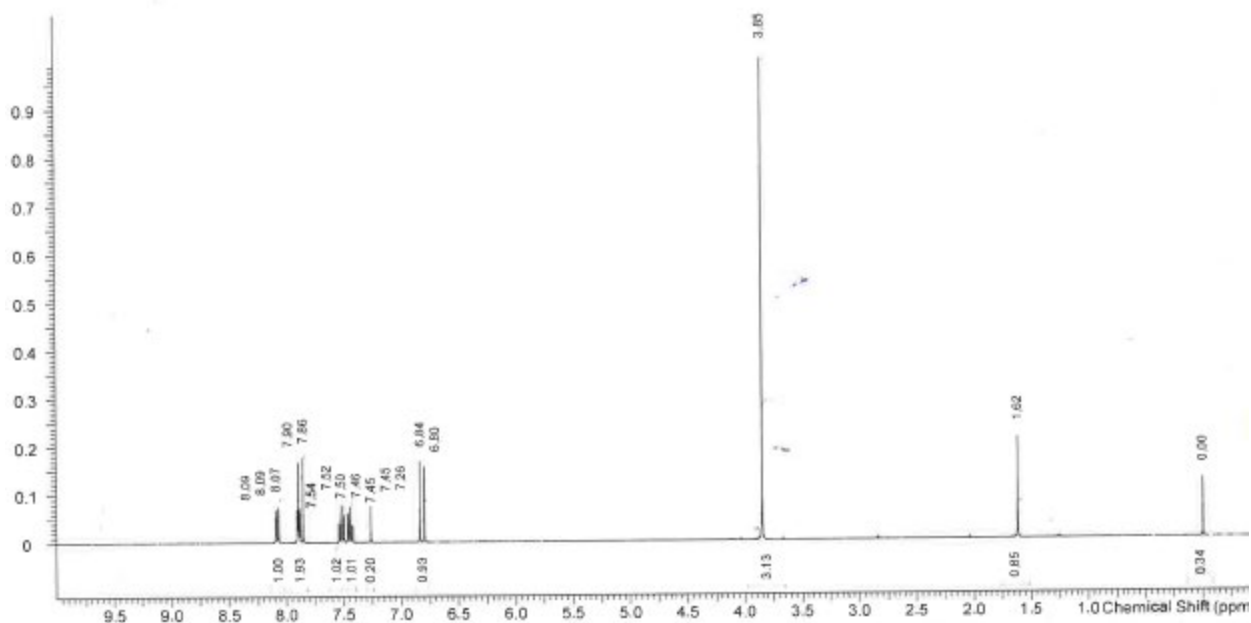


$^{13}\text{C}$  NMR spectrum of **4d**

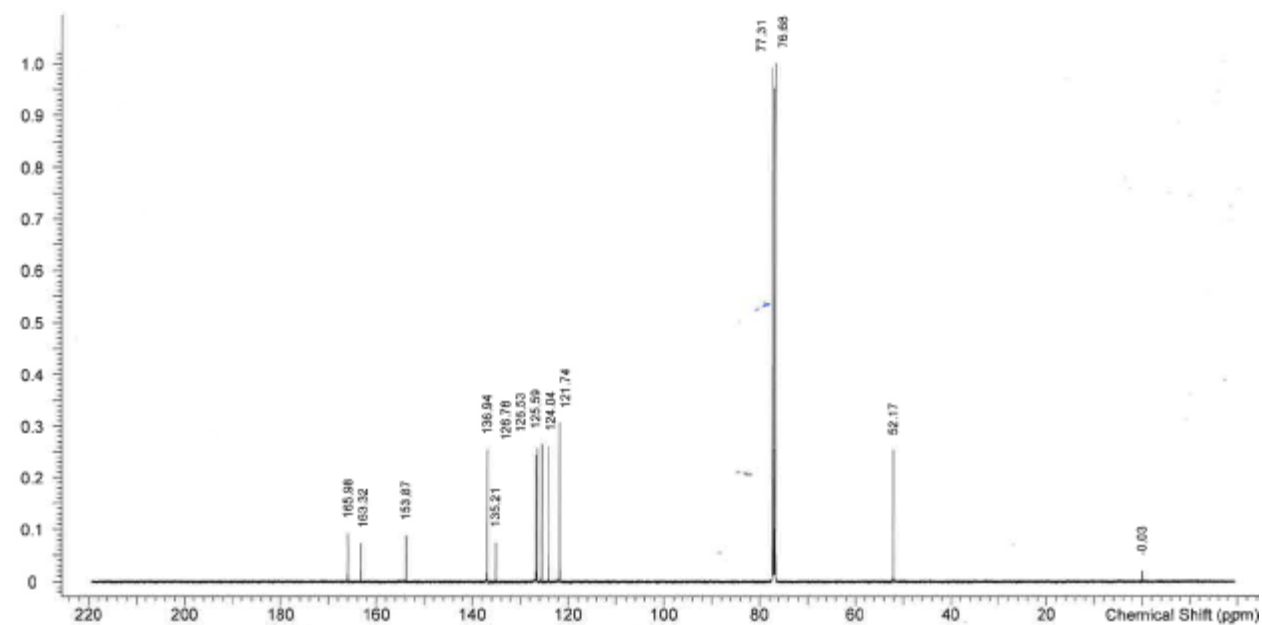


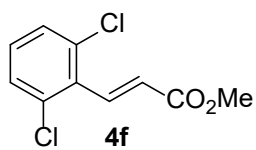


<sup>1</sup>H NMR spectrum of **4e**

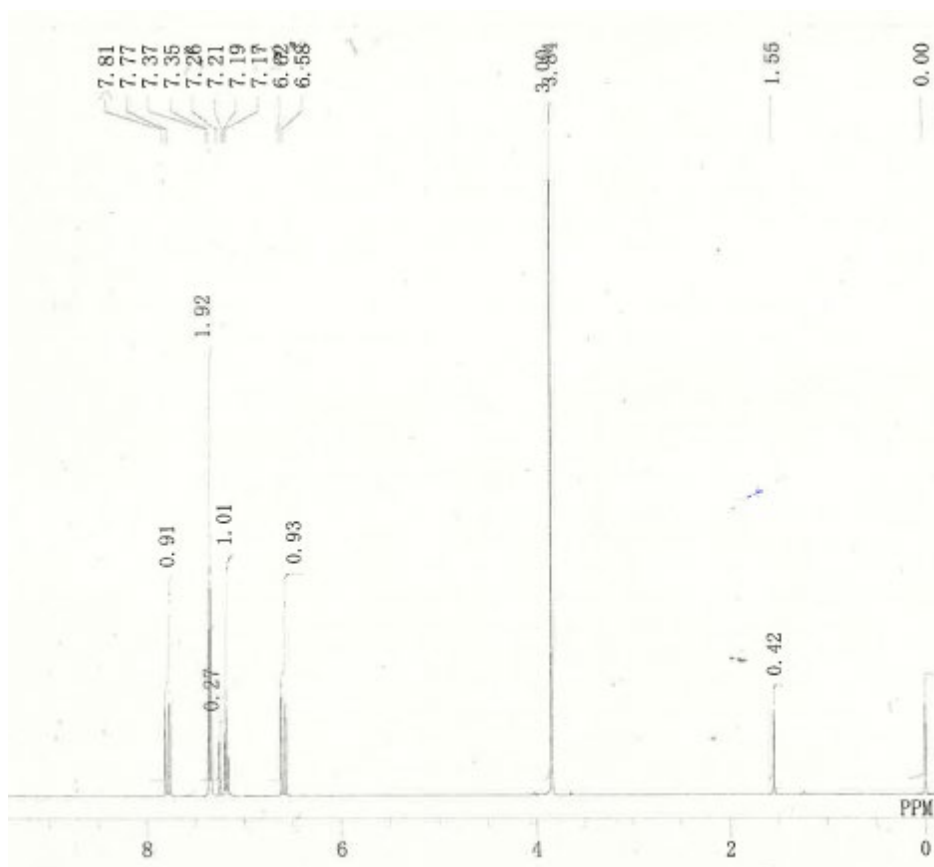


<sup>13</sup>C NMR spectrum of **4e**

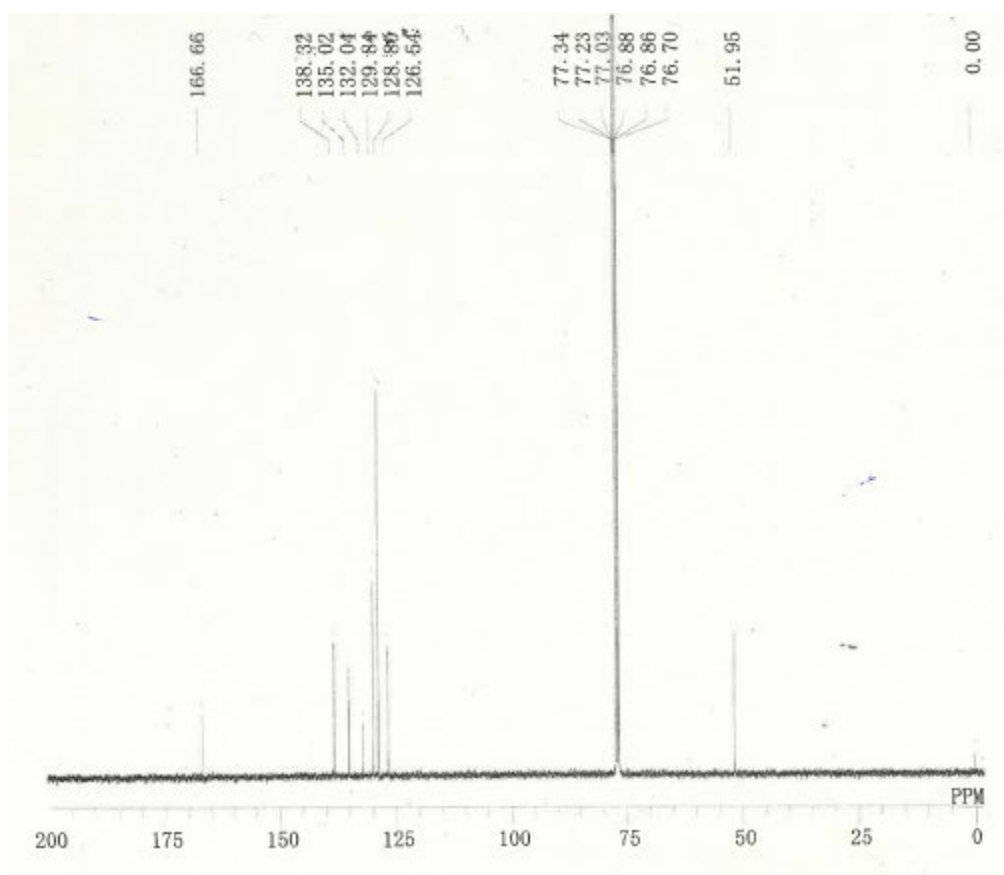




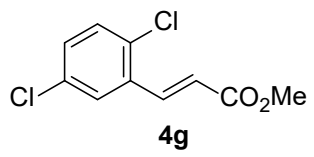
$^1\text{H}$  NMR spectrum of **4f**



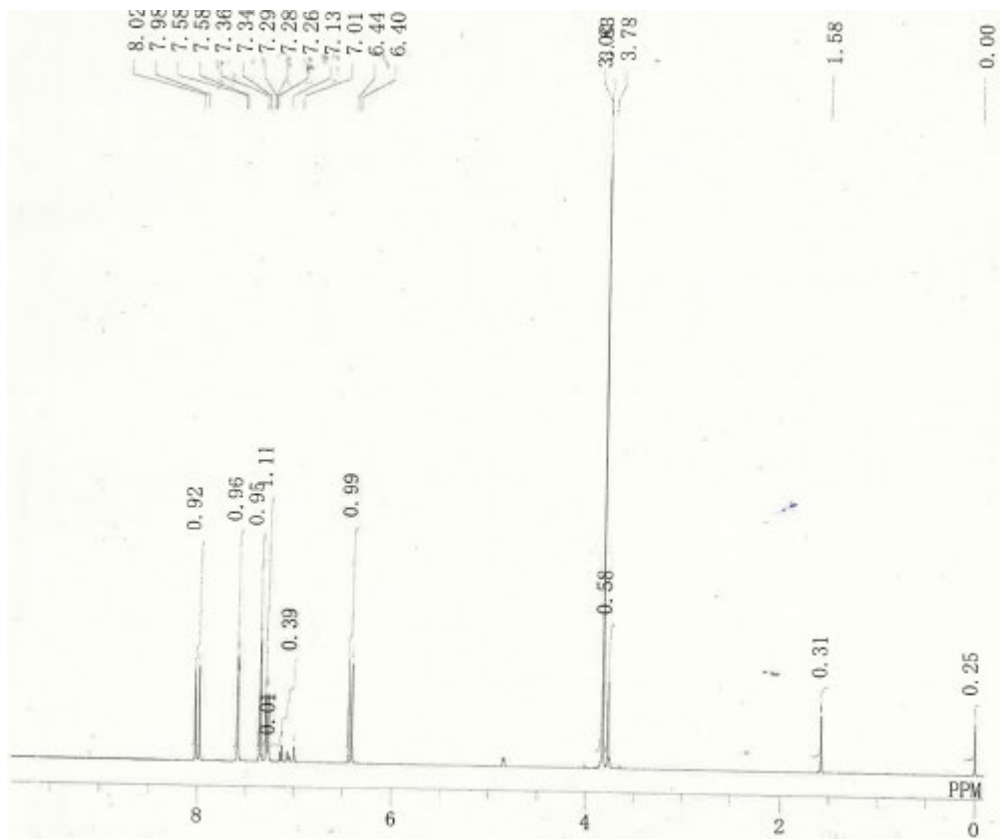
$^{13}\text{C}$  NMR spectrum of **4f**



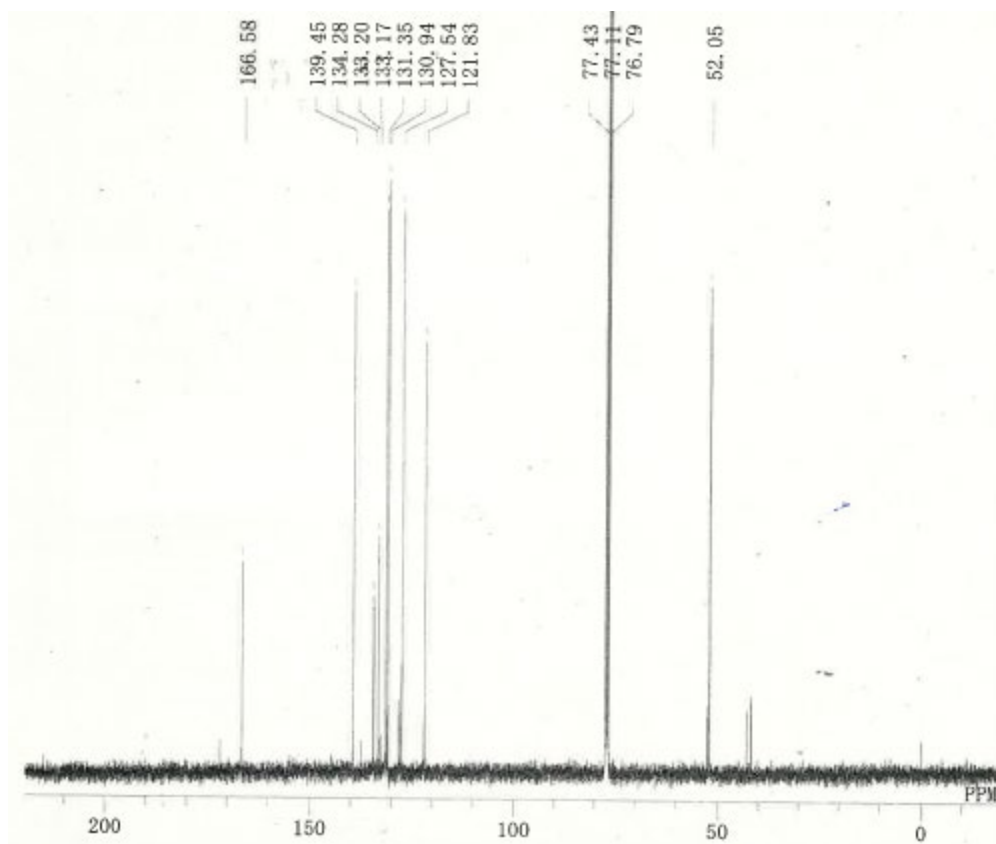


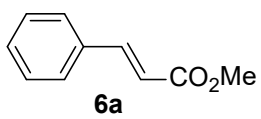


<sup>1</sup>H NMR spectrum of **4g**

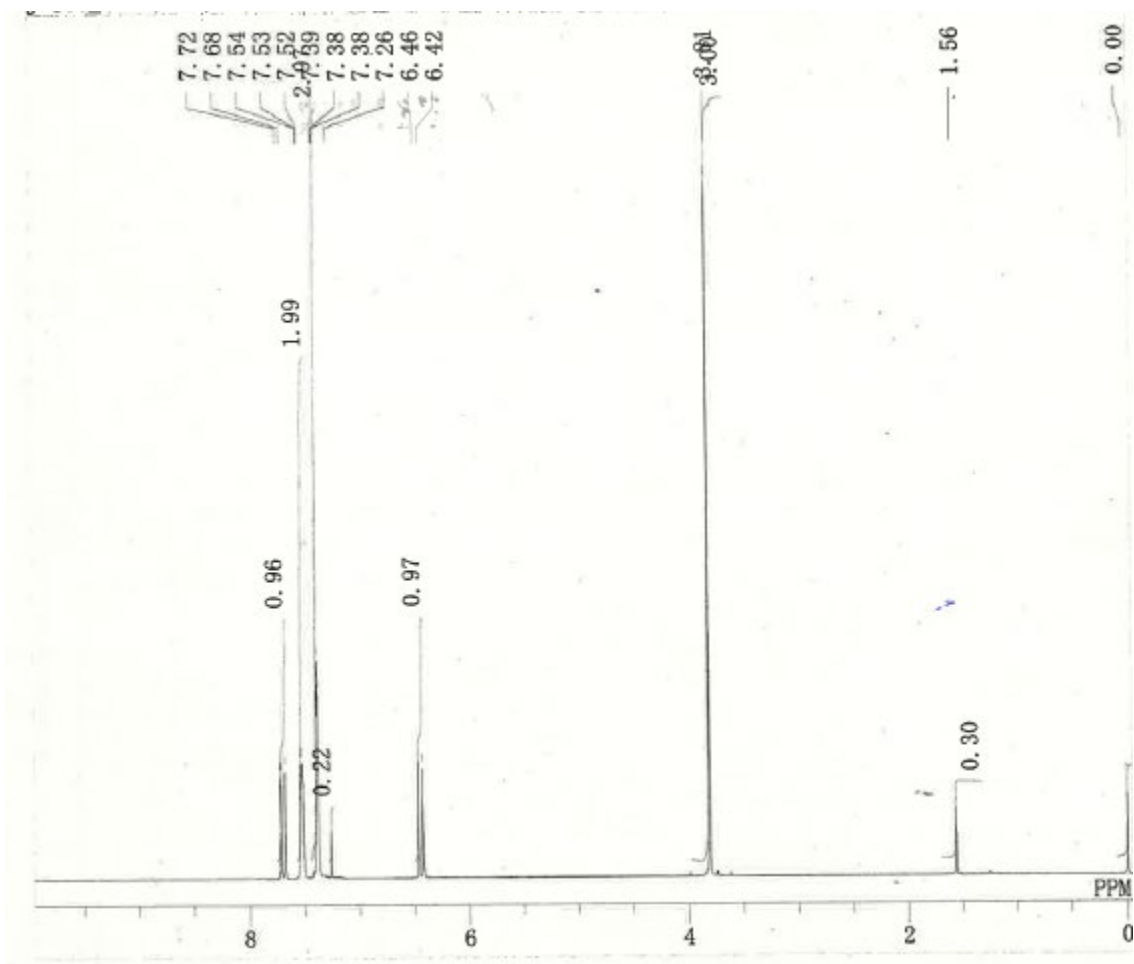


$^{13}\text{C}$  NMR spectrum of **4g**

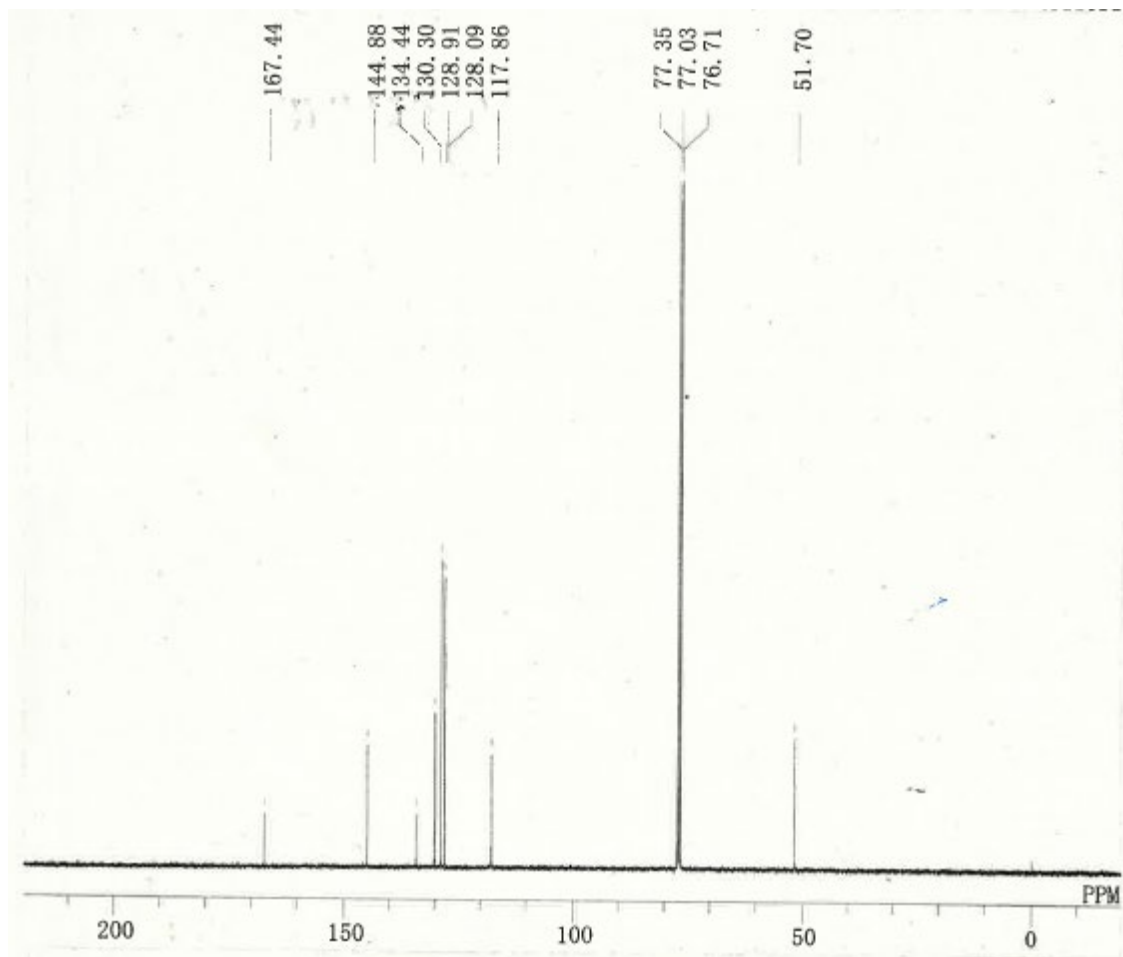


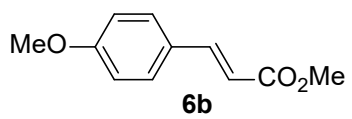


<sup>1</sup>H NMR spectrum of **6a**

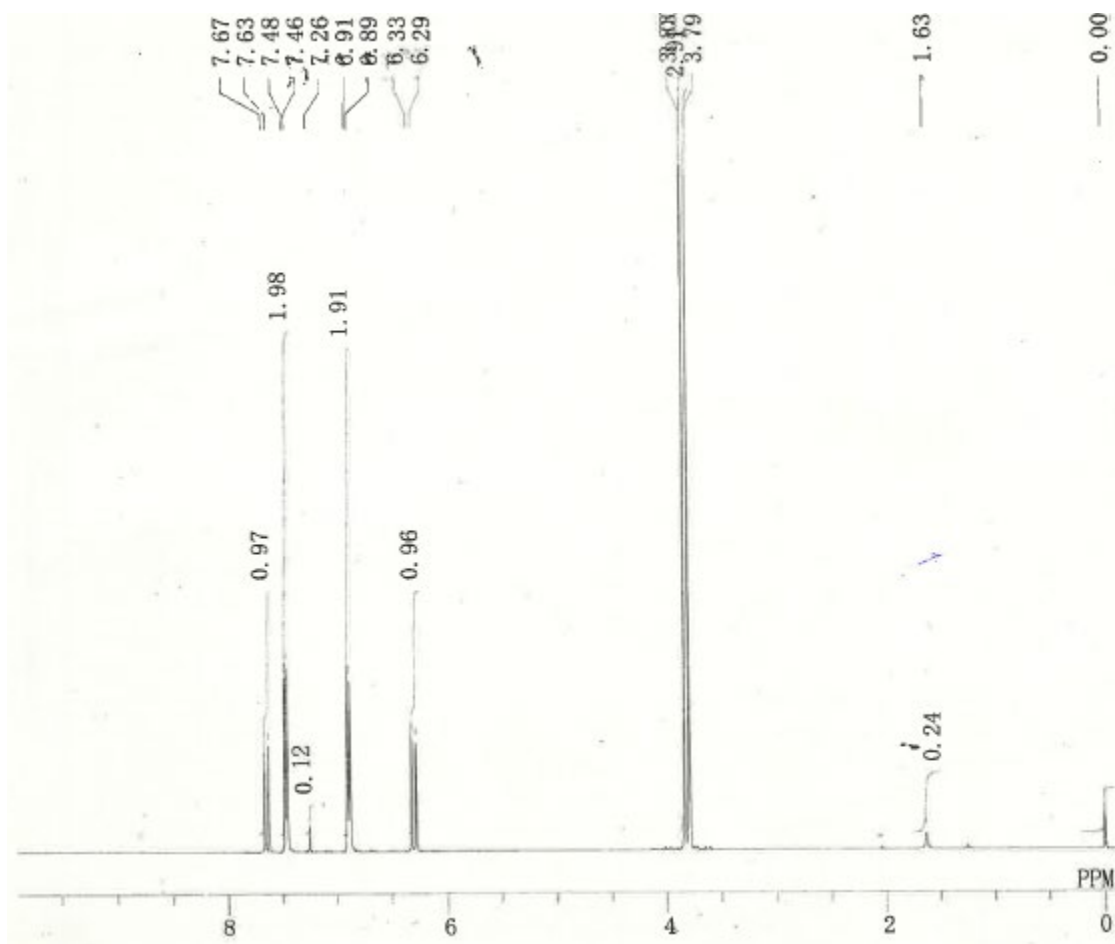


$^{13}\text{C}$  NMR spectrum of **6a**

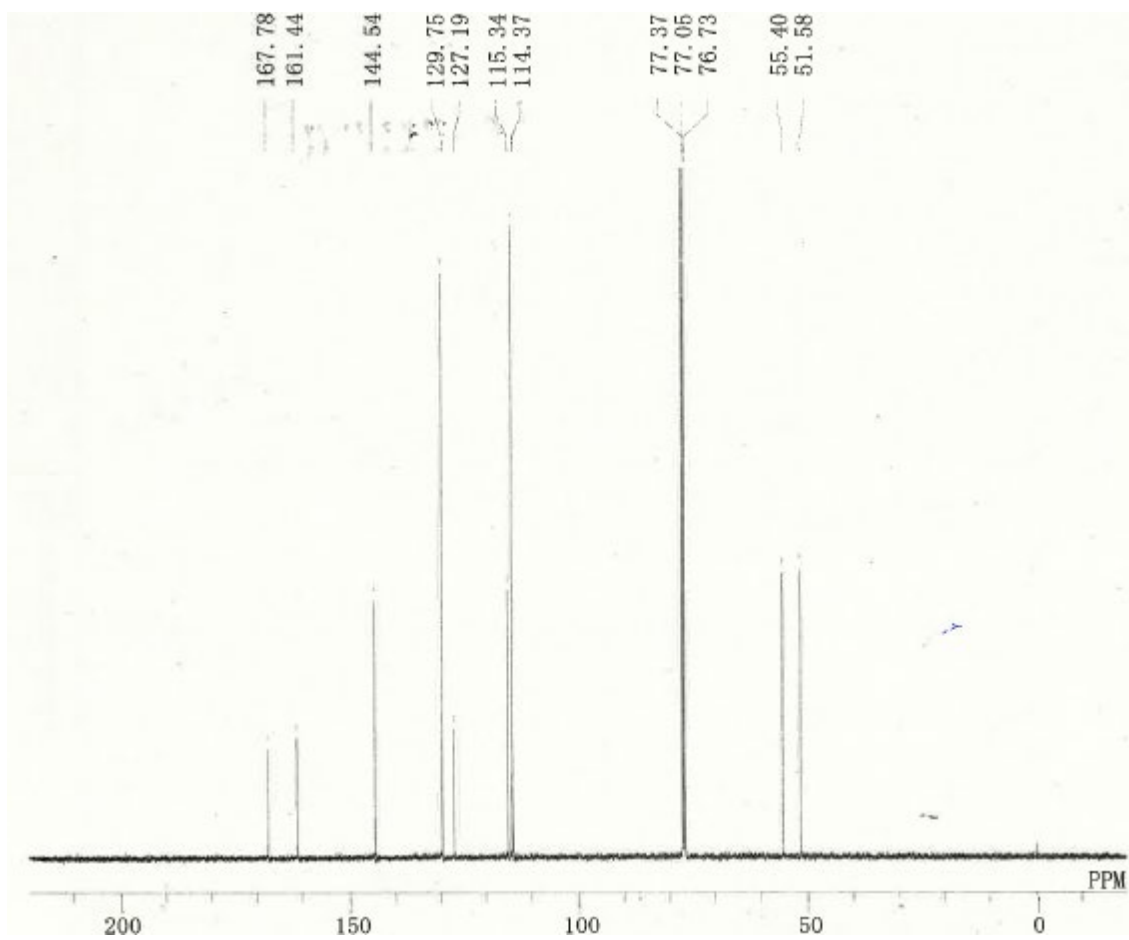


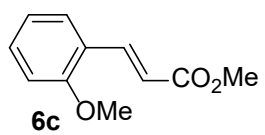


<sup>1</sup>H NMR spectrum of **6b**

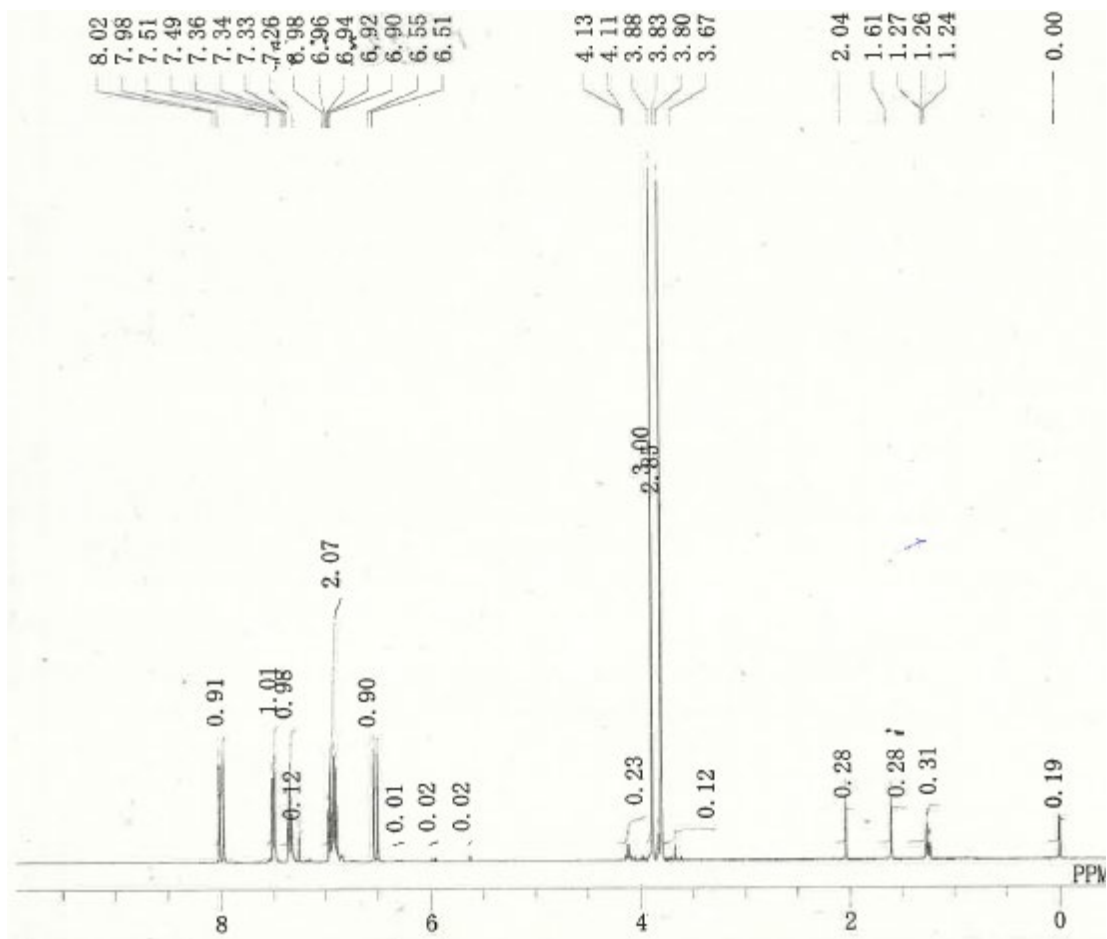


$^{13}\text{C}$  NMR spectrum of **6b**

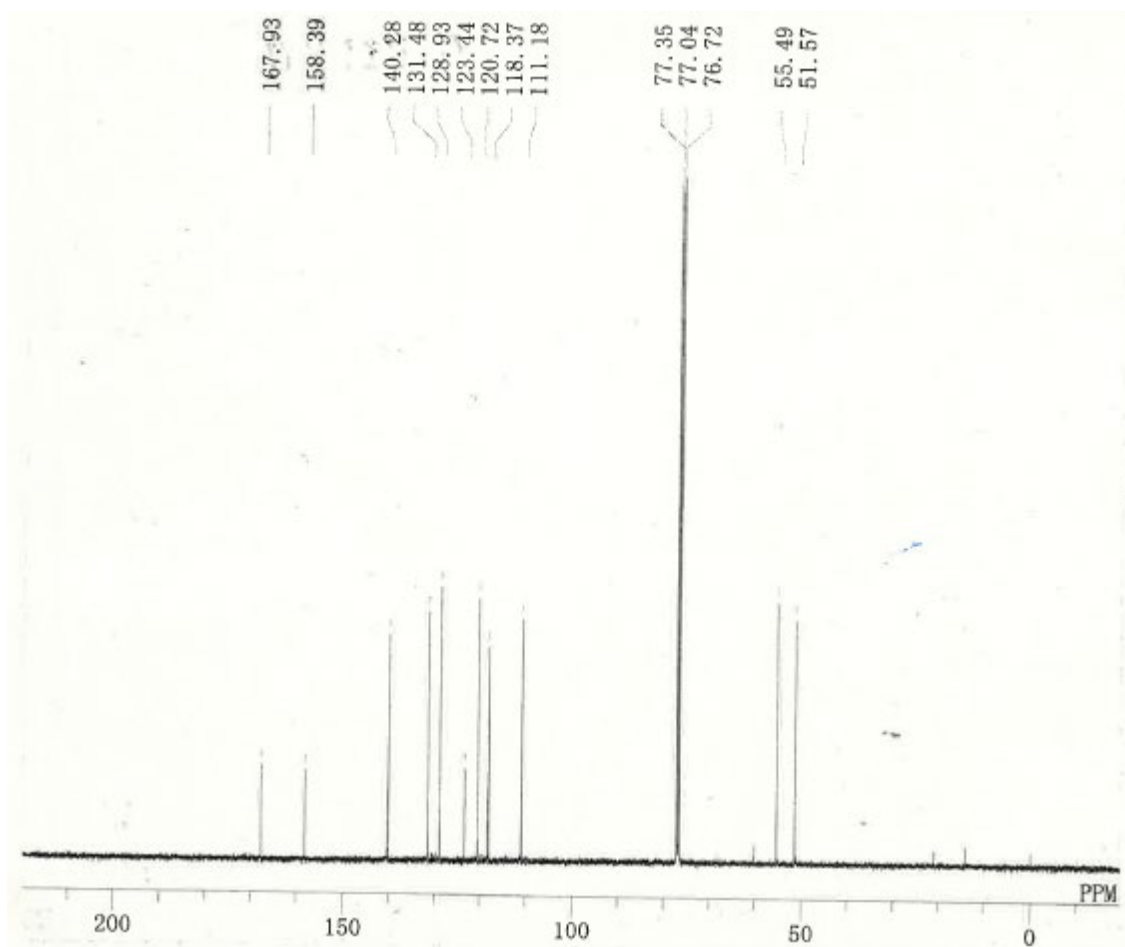




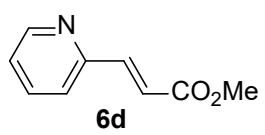
$^1\text{H}$  NMR spectrum of **6c**



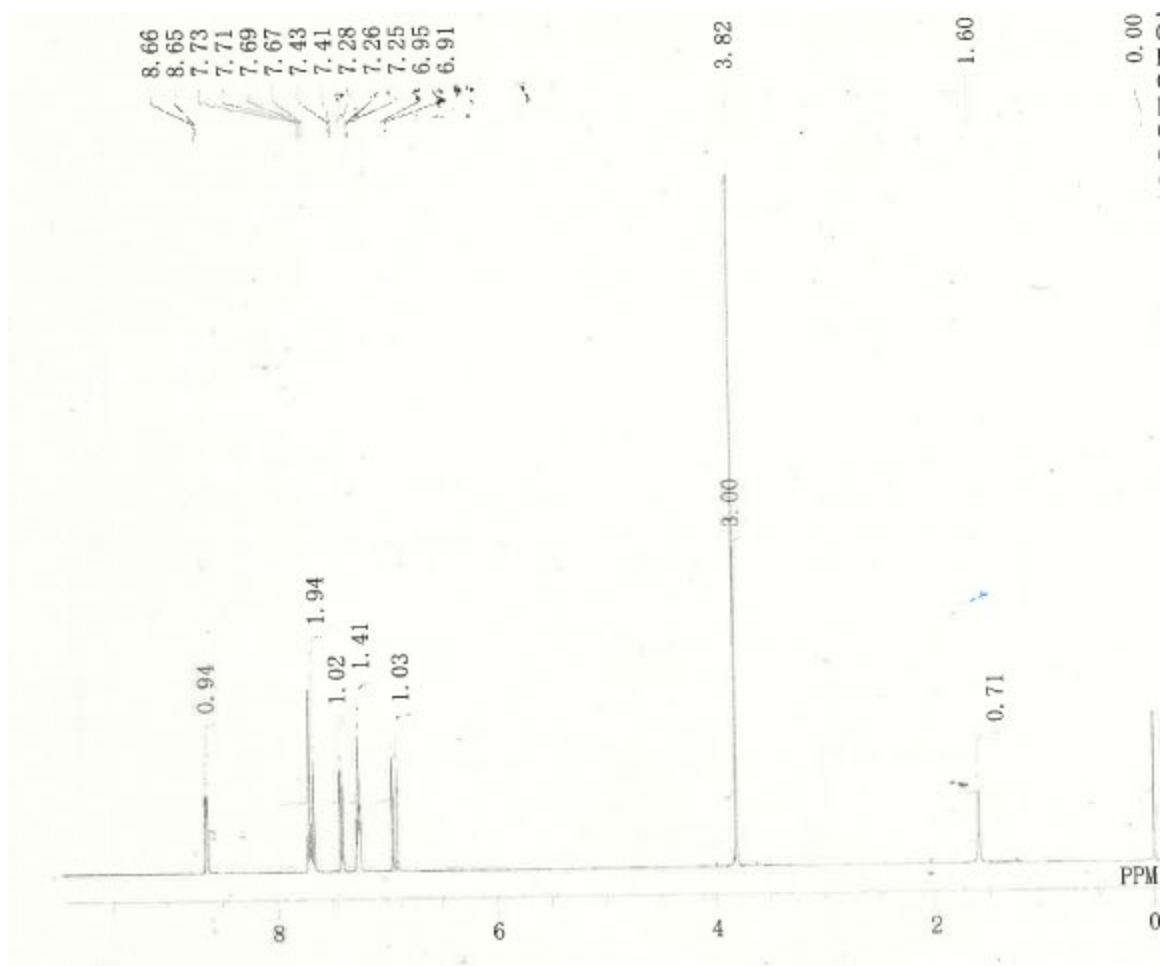
$^{13}\text{C}$  NMR spectrum of **6c**







<sup>1</sup>H NMR spectrum of **6d**



$^{13}\text{C}$  NMR spectrum of **6d**

