

# Supporting Information

## Simple Practical Method for Synthesis of Trisubstituted Imidazoles: An Efficient Copper Catalyzed Multicomponent Reaction

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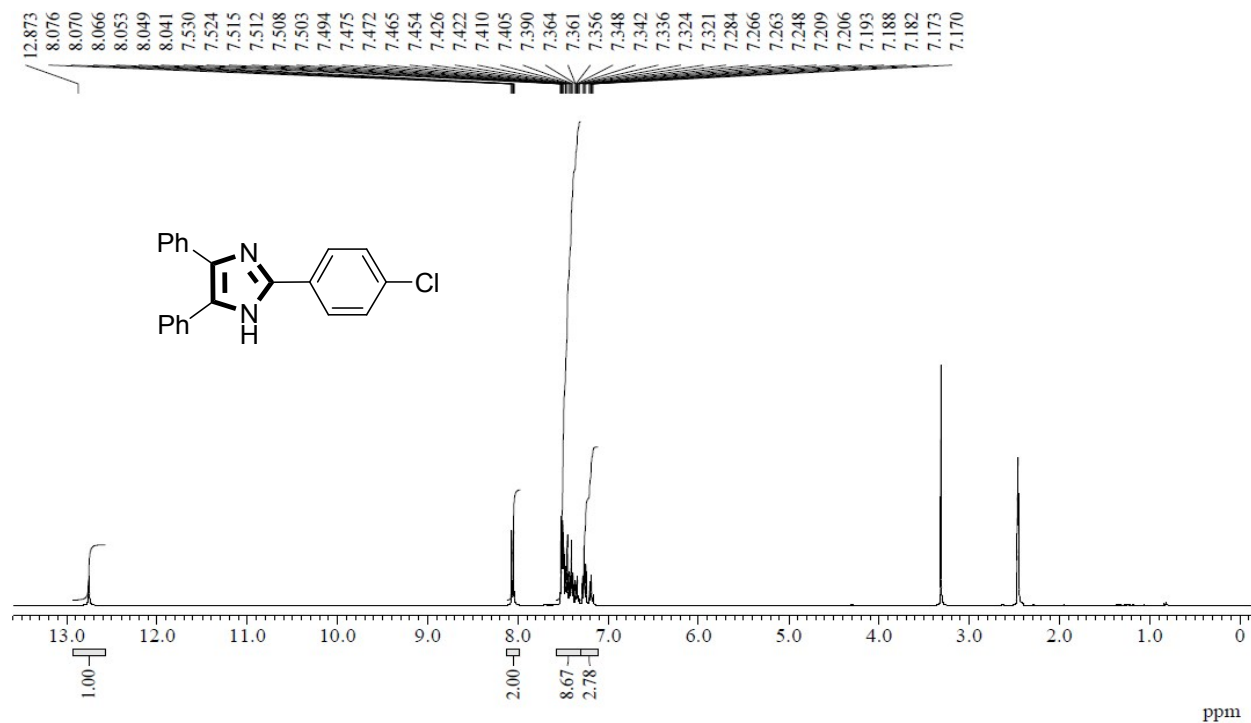
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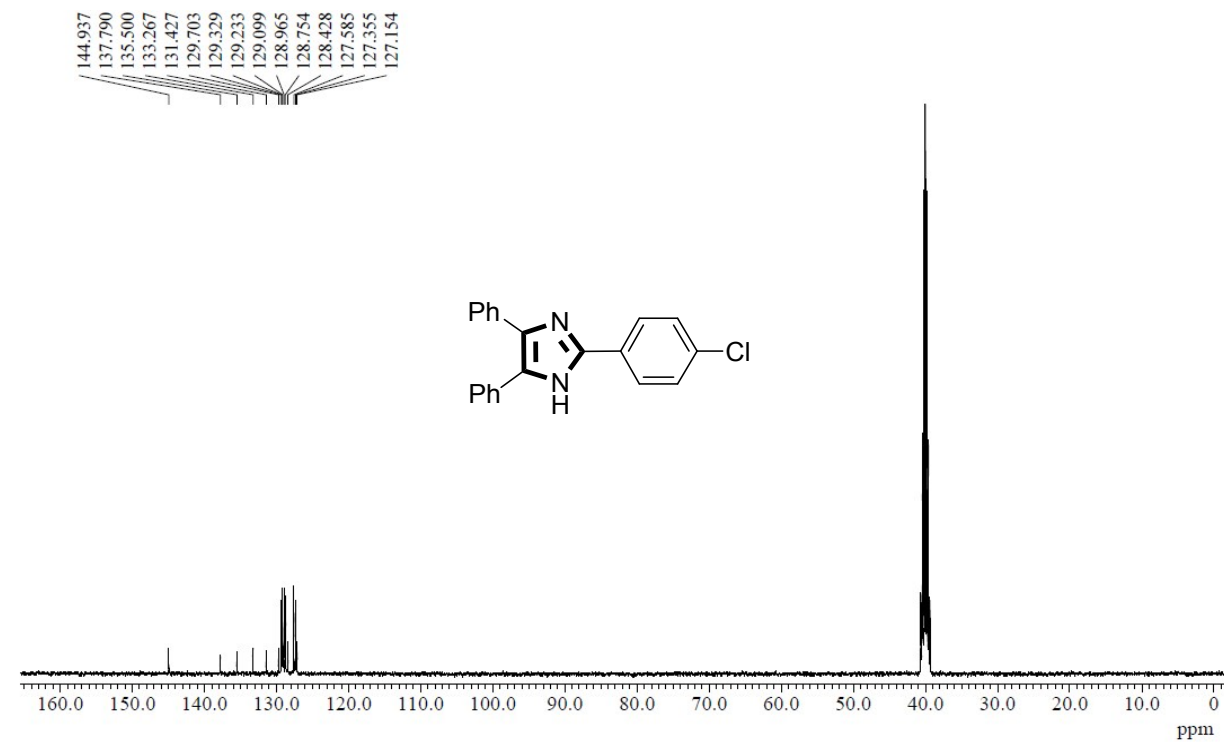
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## Spectral data of trisubstituted imidazoles

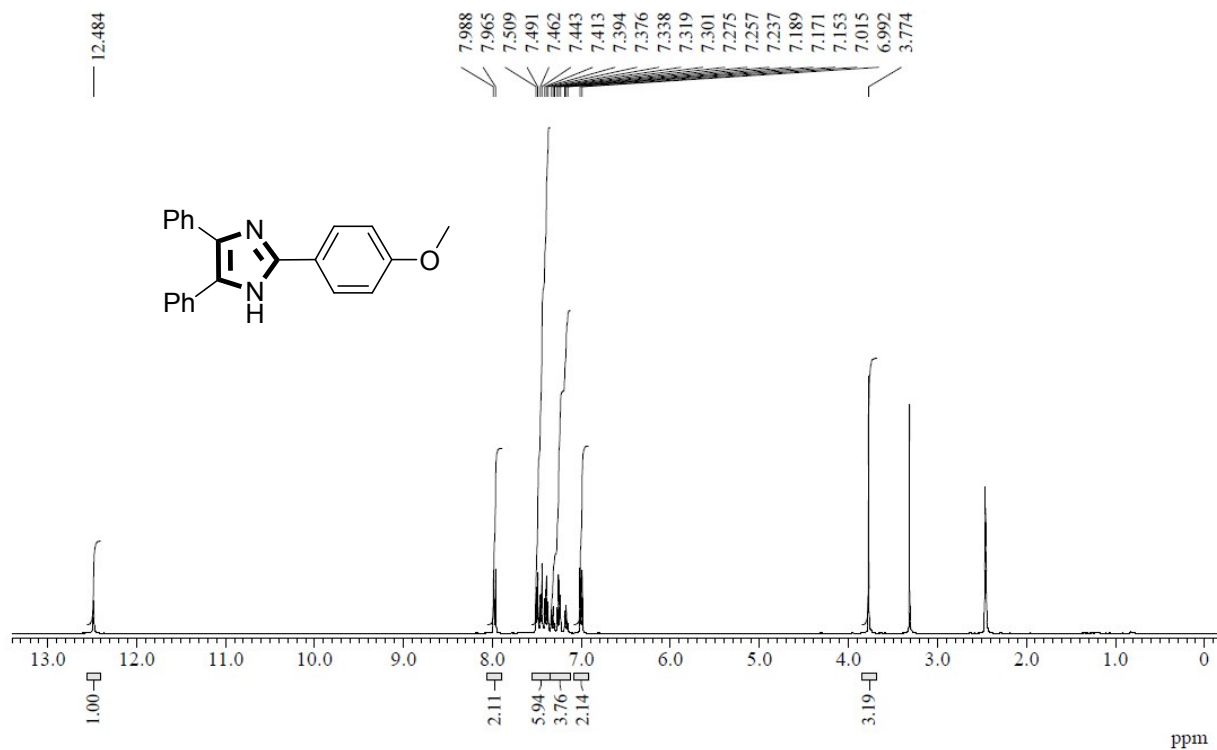
### 1.1 $^1\text{H}$ NMR of compound: 4a



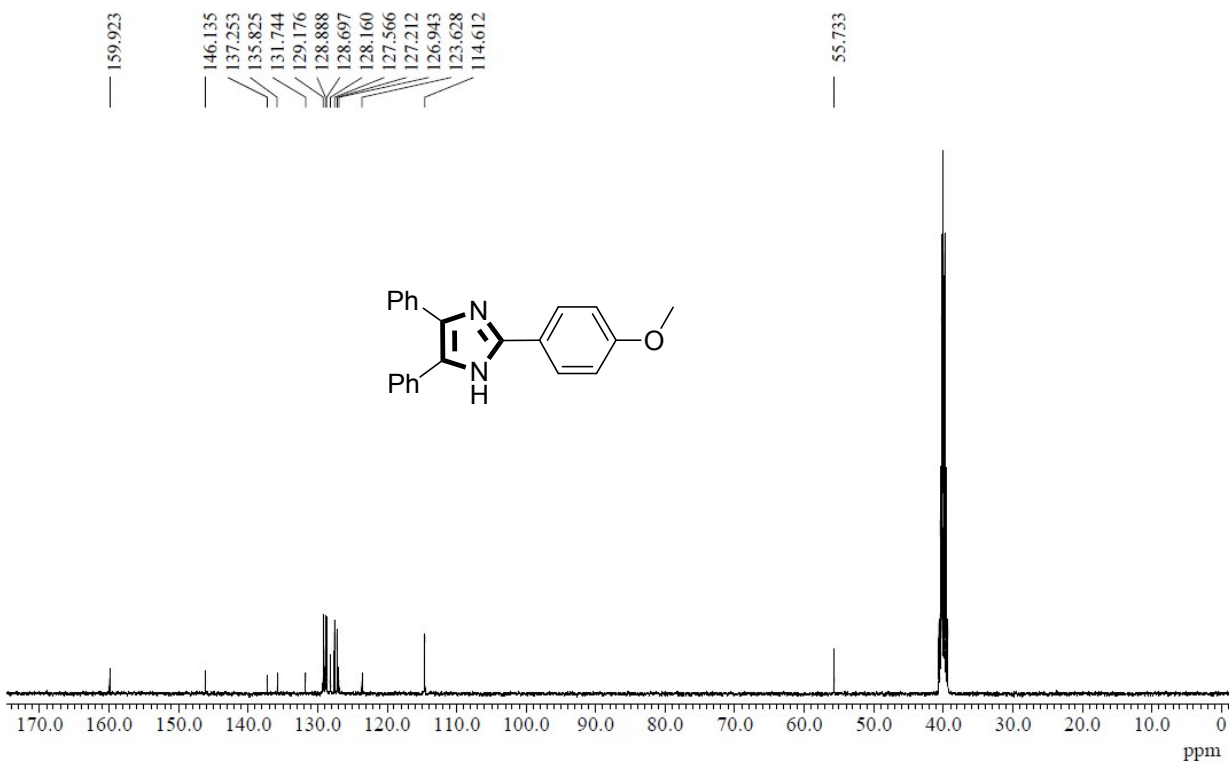
### 1.2 $^{13}\text{C}$ NMR of compound: 4a



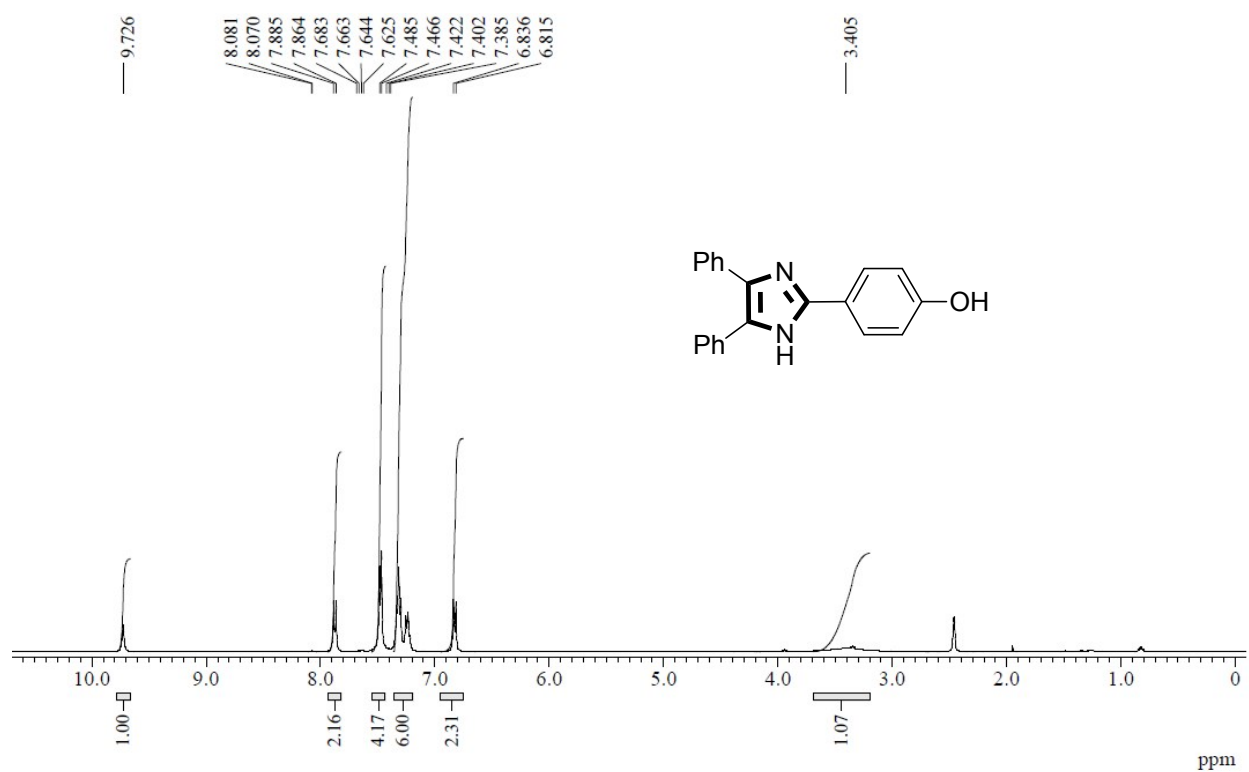
### 1.3 $^1\text{H}$ NMR of compound: **4b**



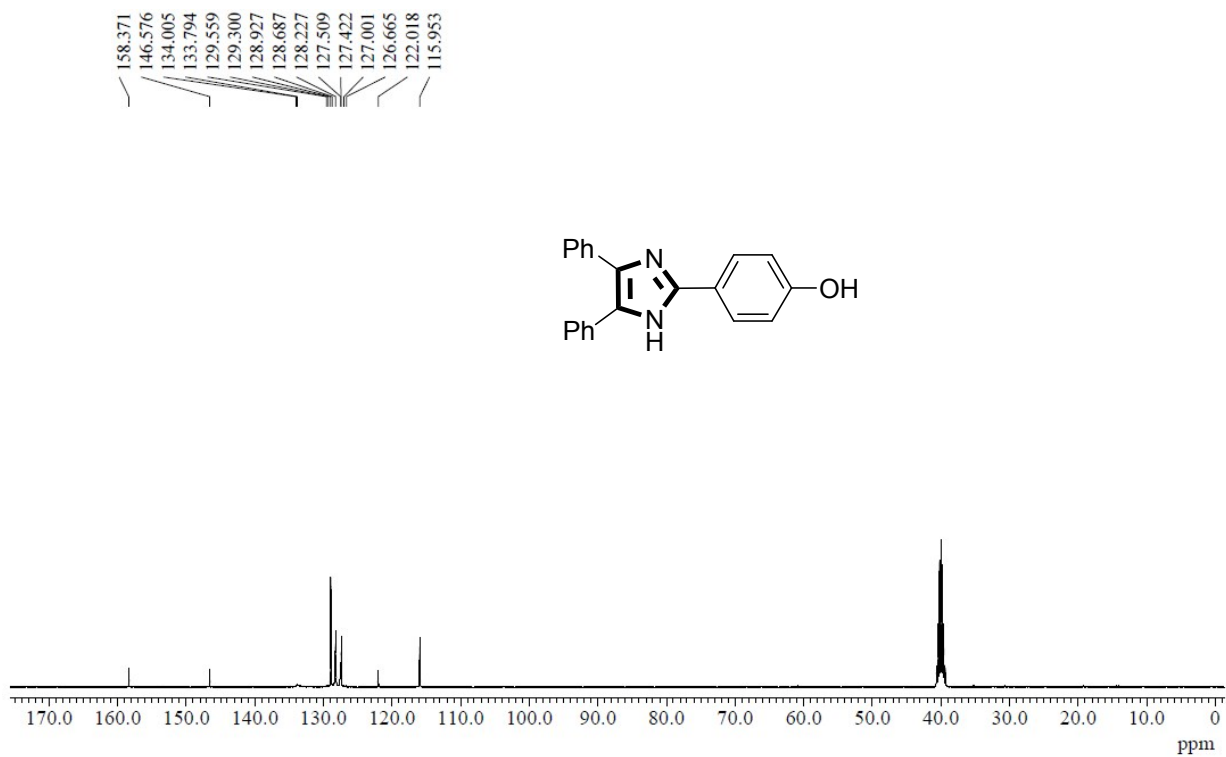
### 1.4 $^{13}\text{C}$ NMR of compound: **4b**



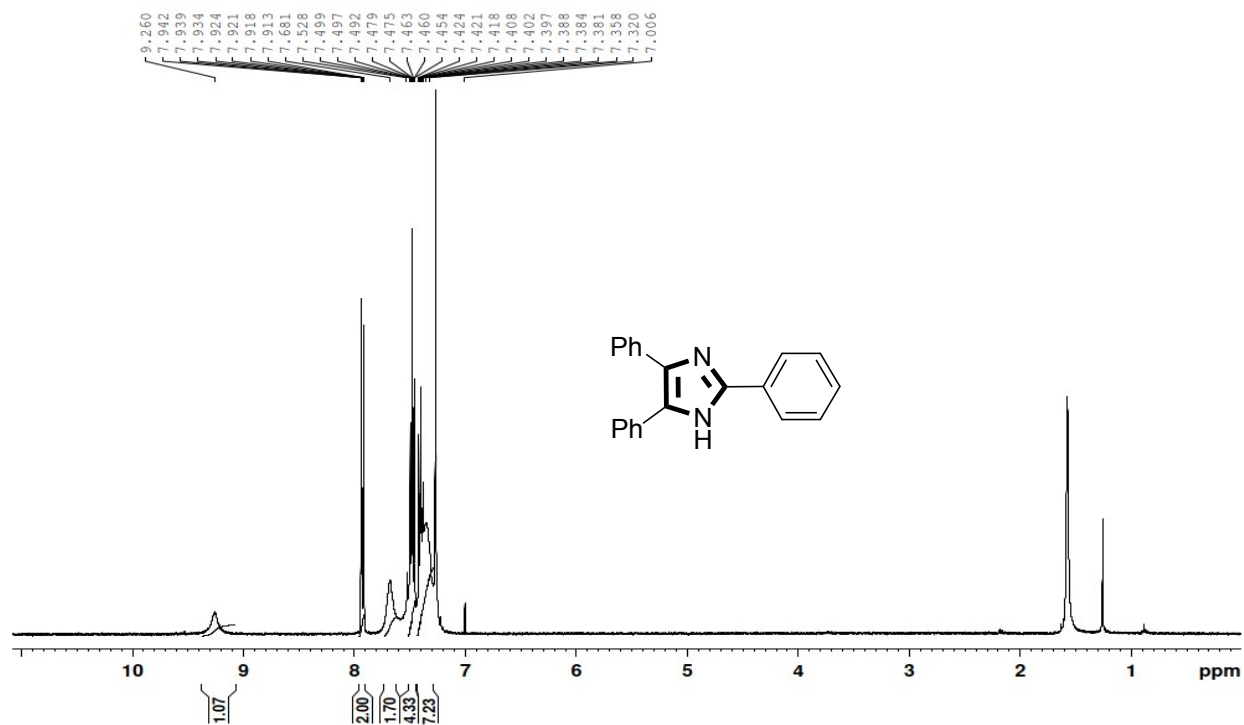
### 1.5 $^1\text{H}$ NMR of compound: **4c**



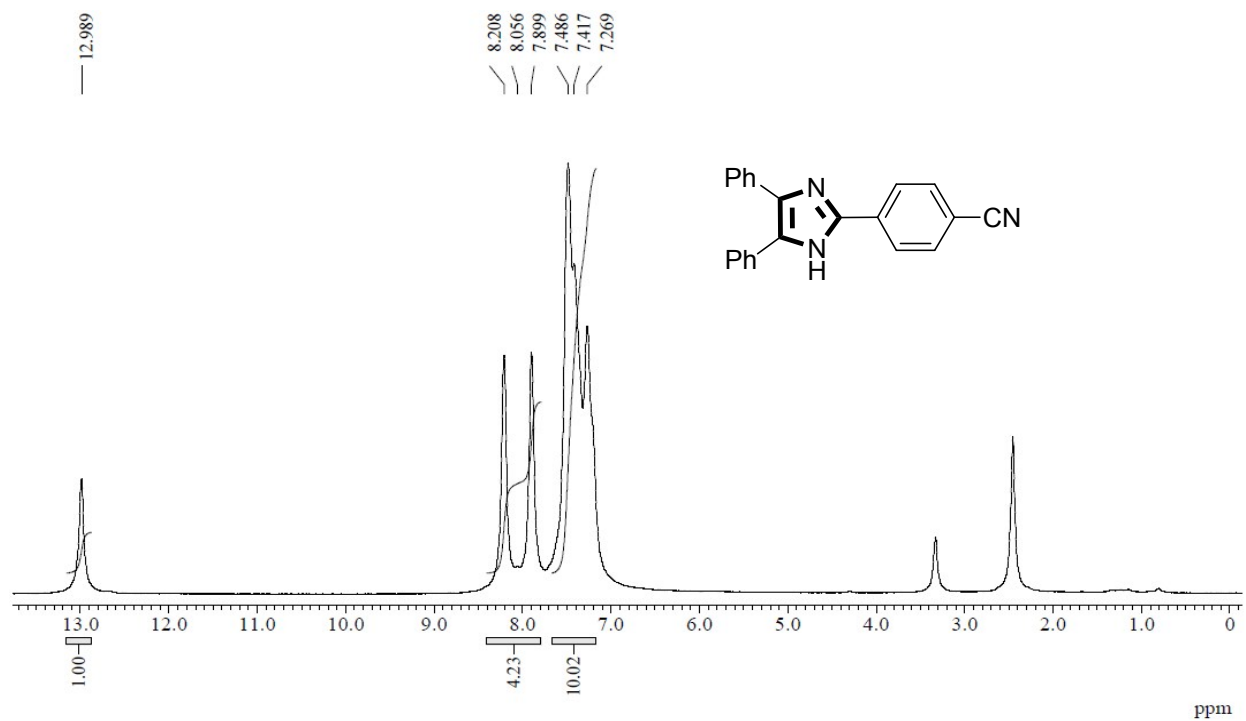
### 1.6 $^{13}\text{C}$ NMR of compound: **4c**



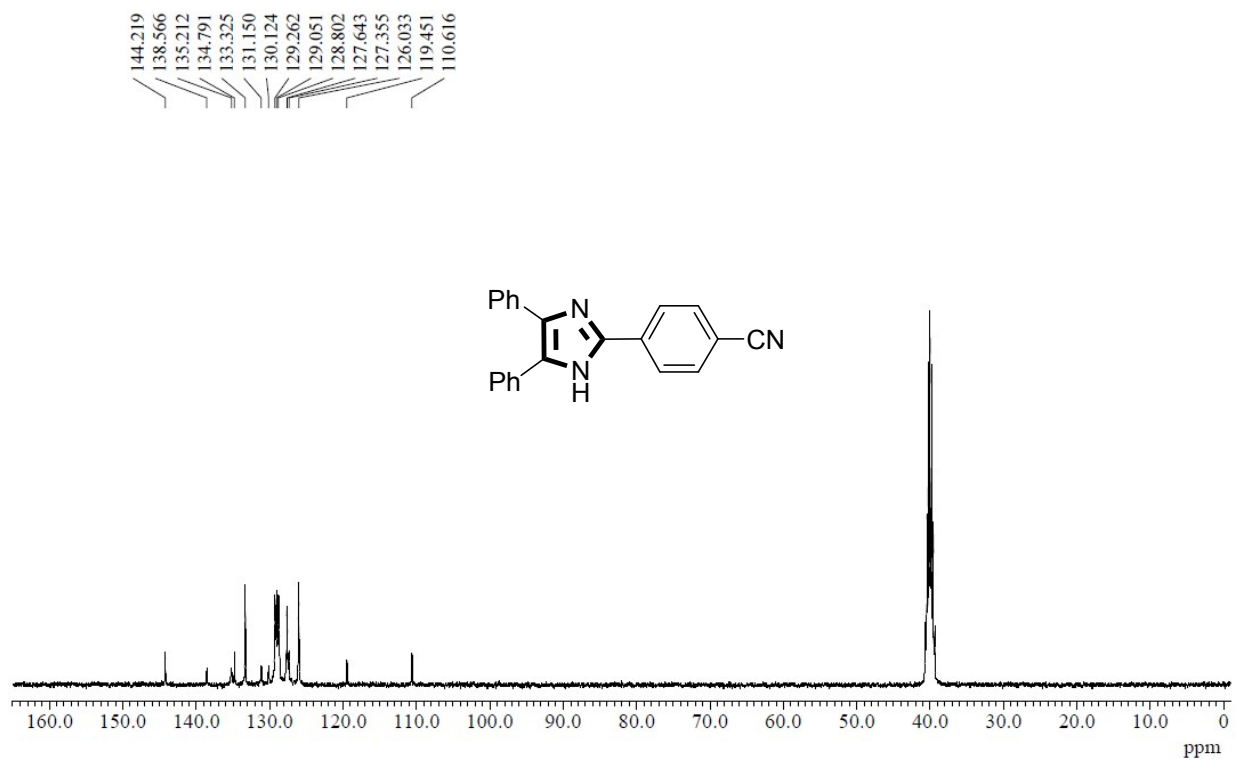
1.7 <sup>1</sup>H NMR of compound: **4d**



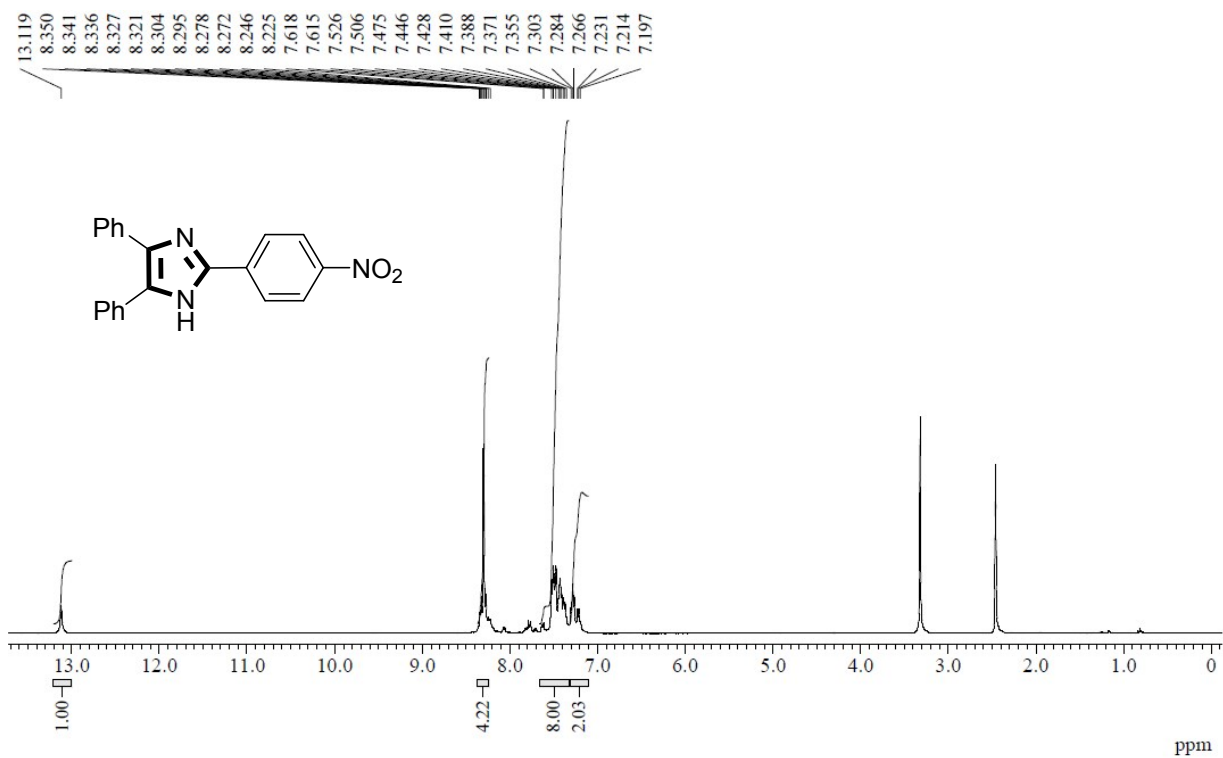
1.8 <sup>1</sup>H NMR of compound: **4e**



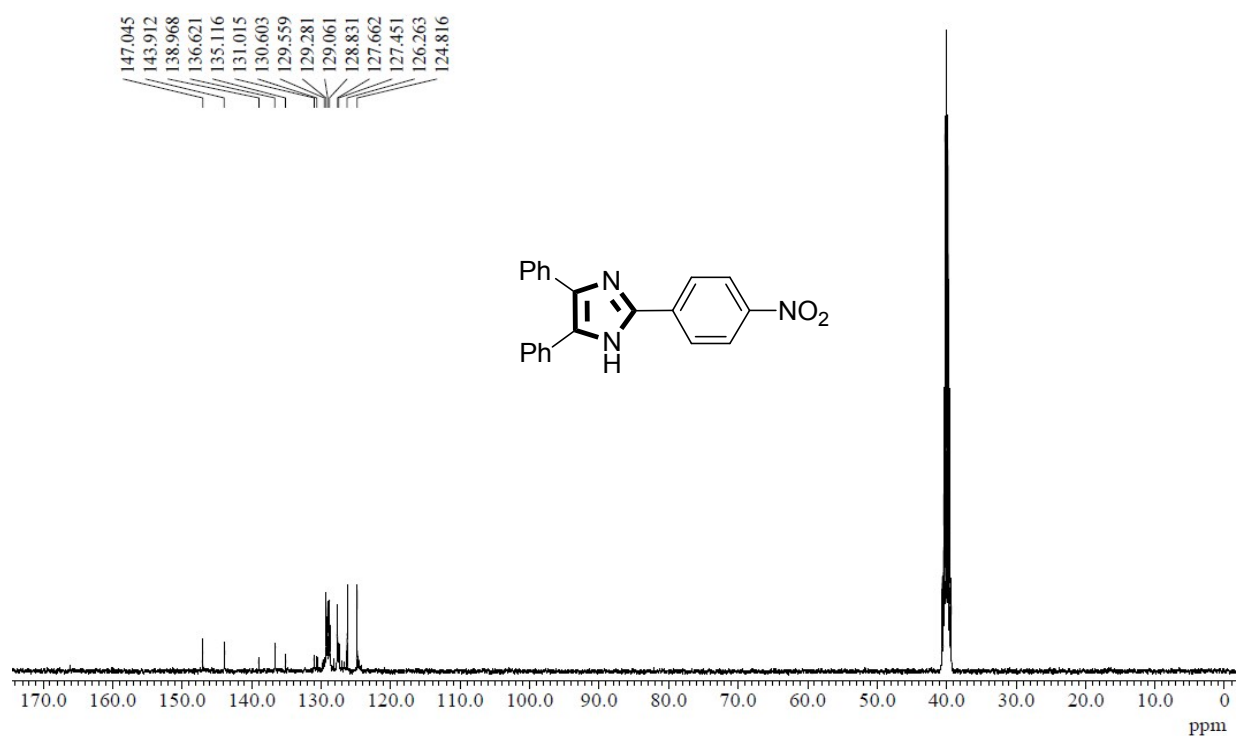
### 1.9 $^{13}\text{C}$ NMR of compound: **4e**



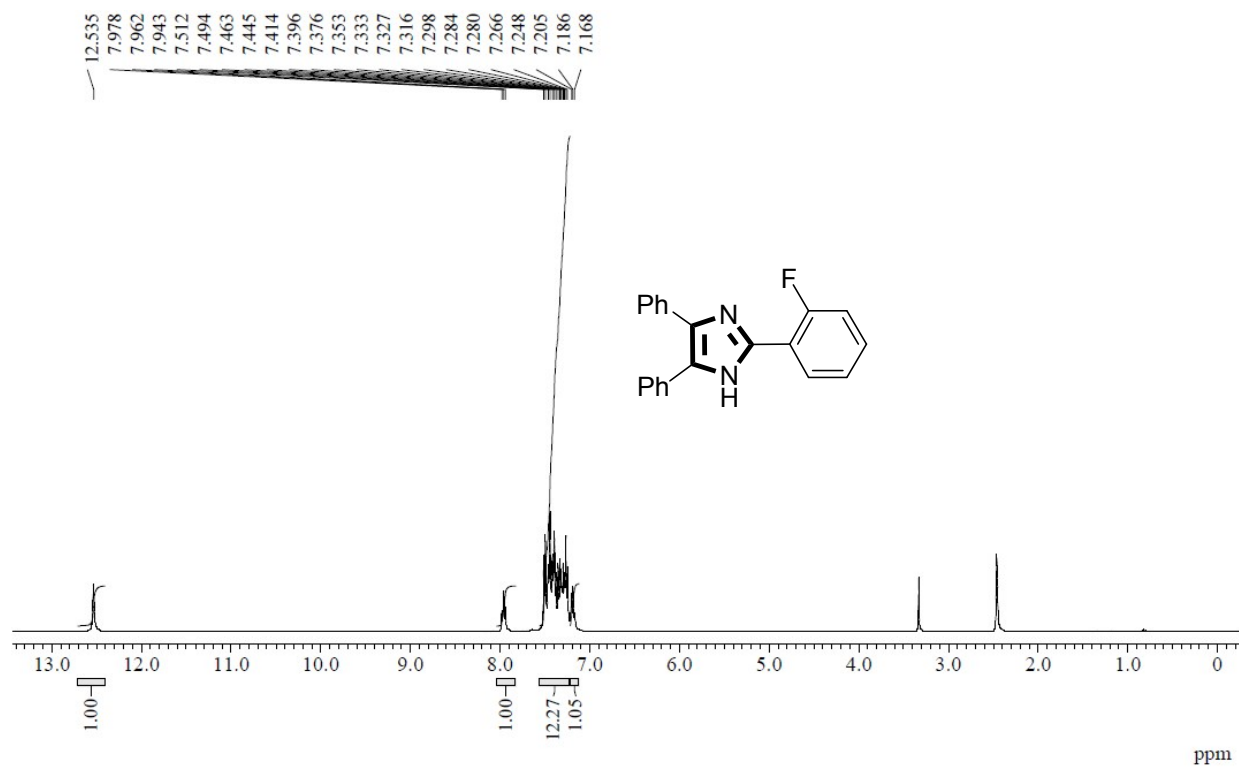
### 1.10 $^1\text{H}$ NMR of compound: **4f**



### 1.11 $^{13}\text{C}$ NMR of compound: **4f**

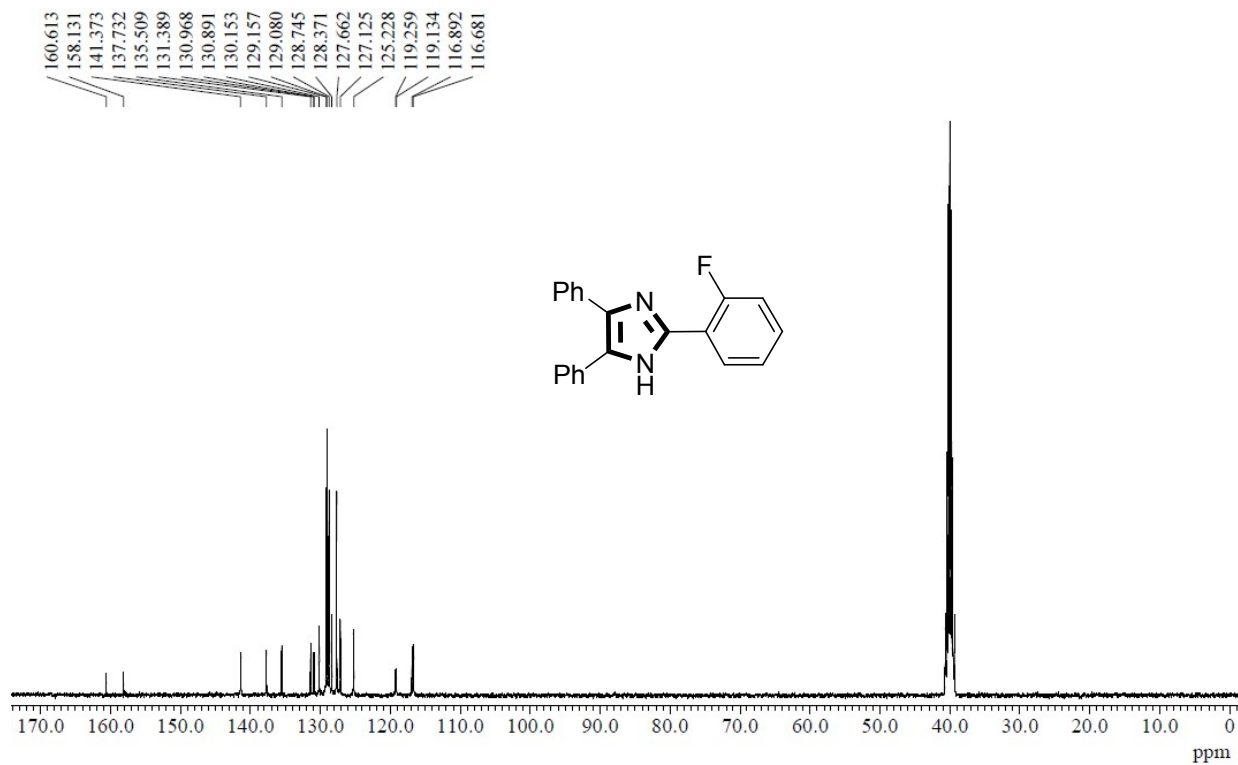


### 1.12 $^1\text{H}$ NMR of compound: **4g**

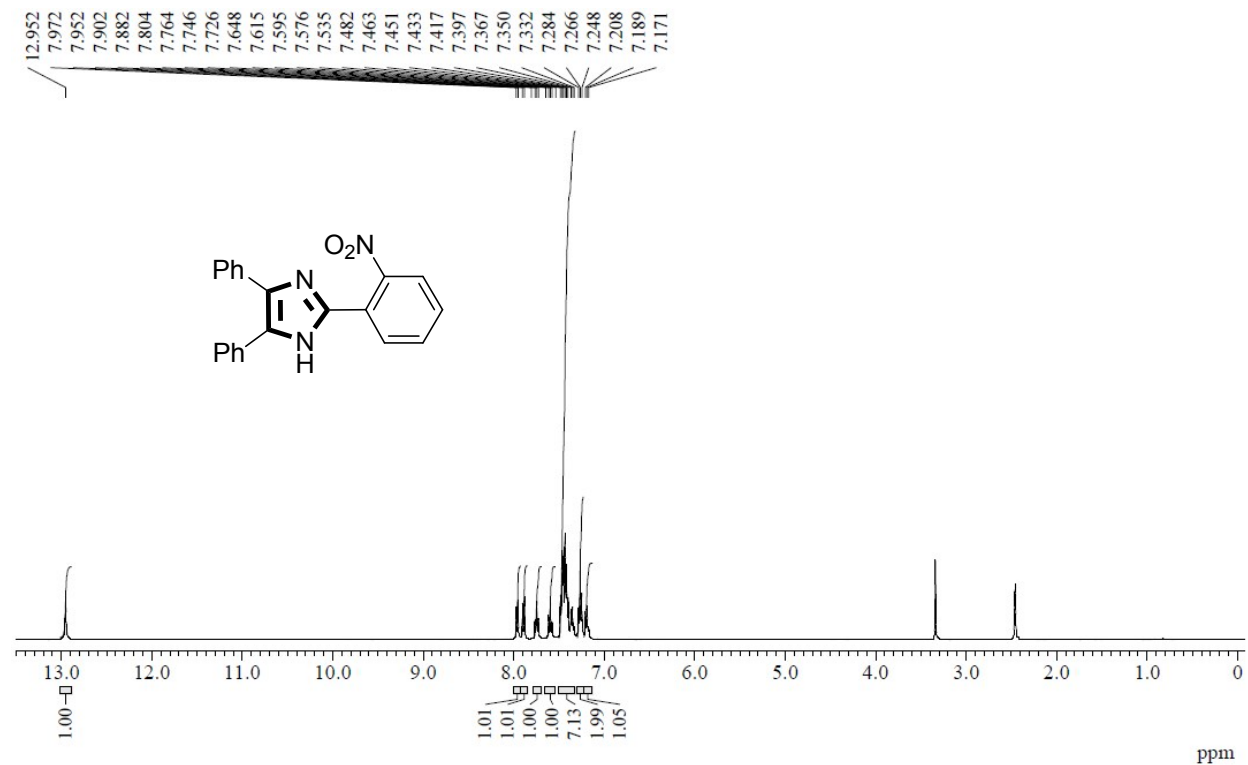




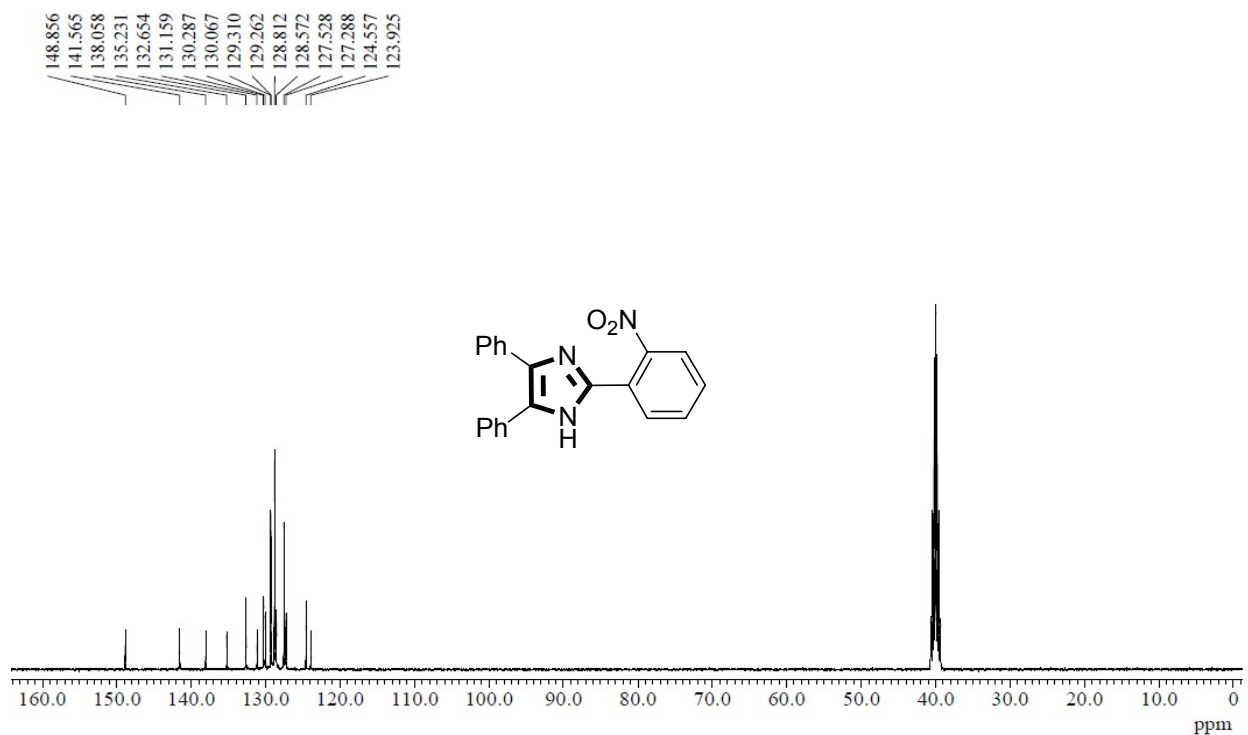
### 1.13 $^{13}\text{C}$ NMR of compound: 4g



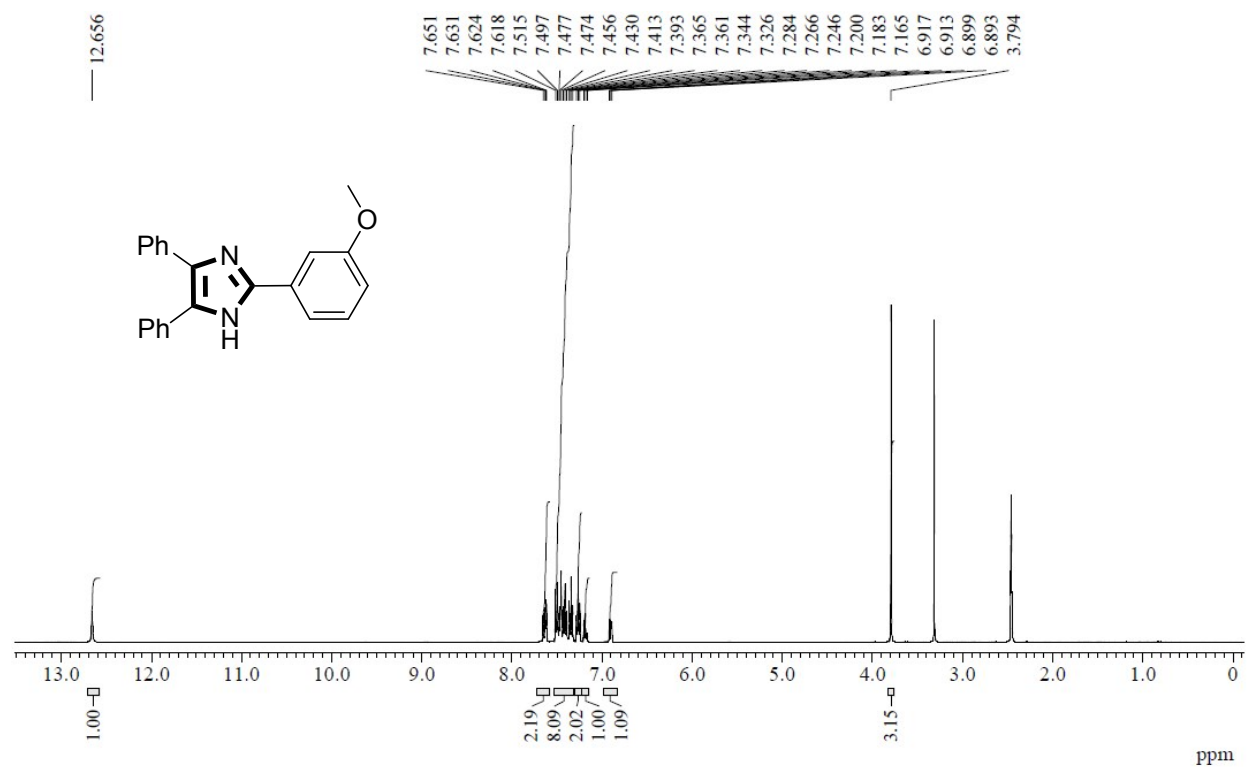
### 1.14 $^1\text{H}$ NMR of compound: 4h



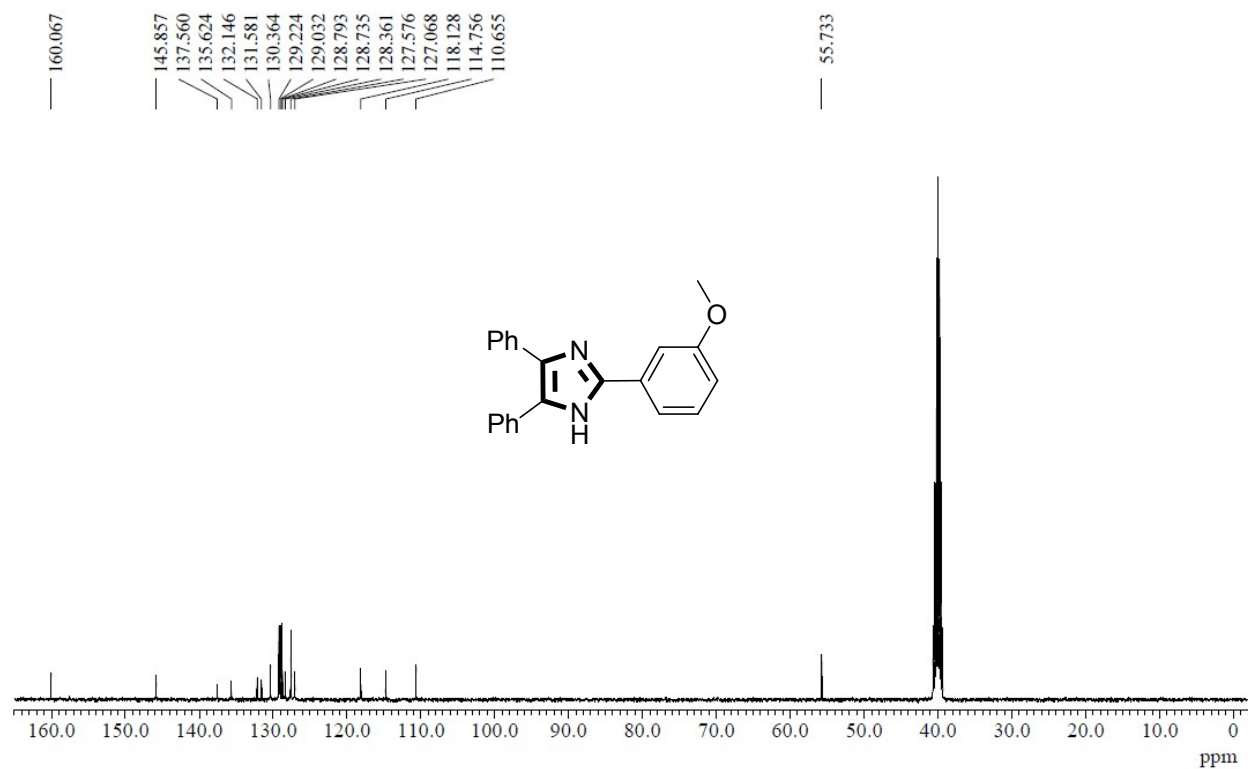
### 1.15 $^{13}\text{C}$ NMR of compound: 4h



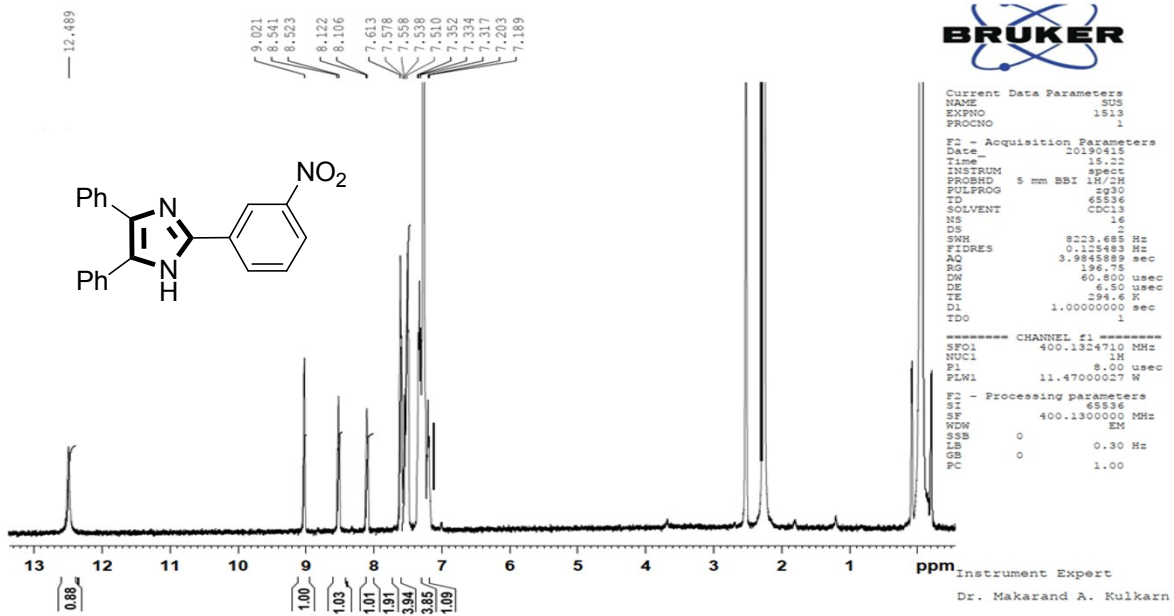
### 1.16 $^1\text{H}$ NMR of compound: 4i



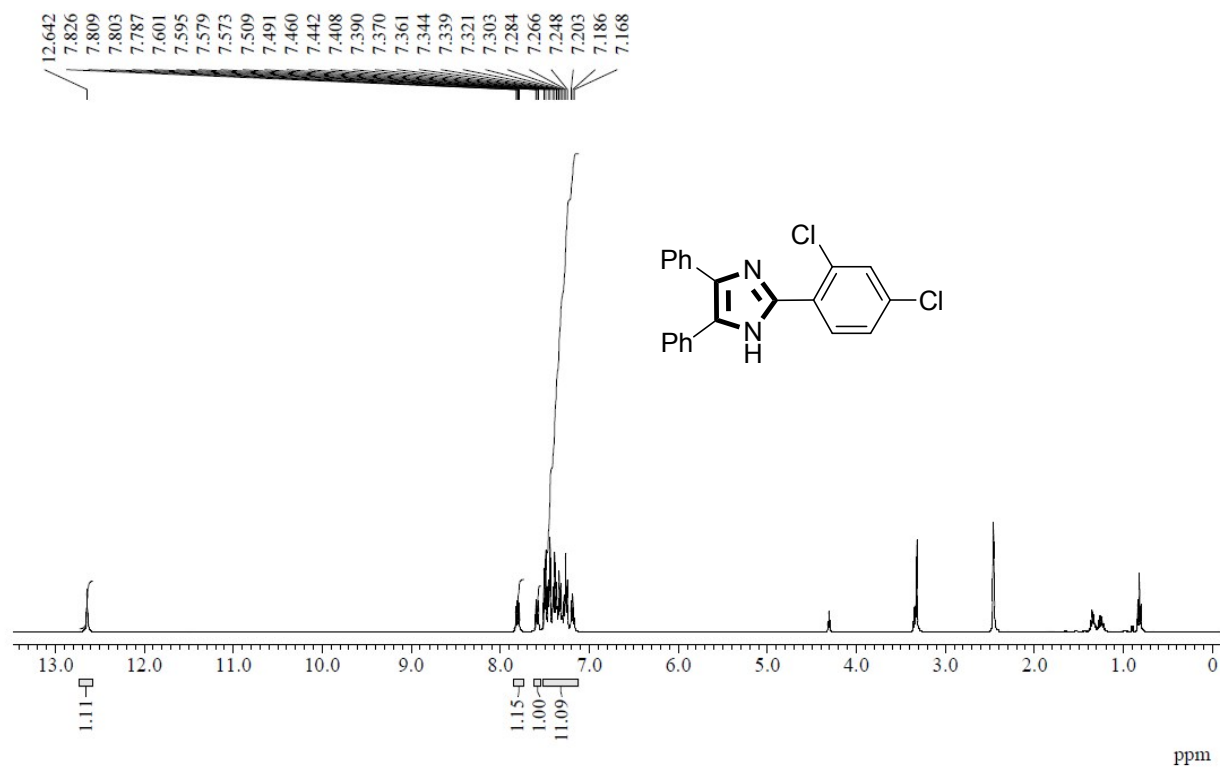
1.17 <sup>13</sup>C NMR of compound: 4i



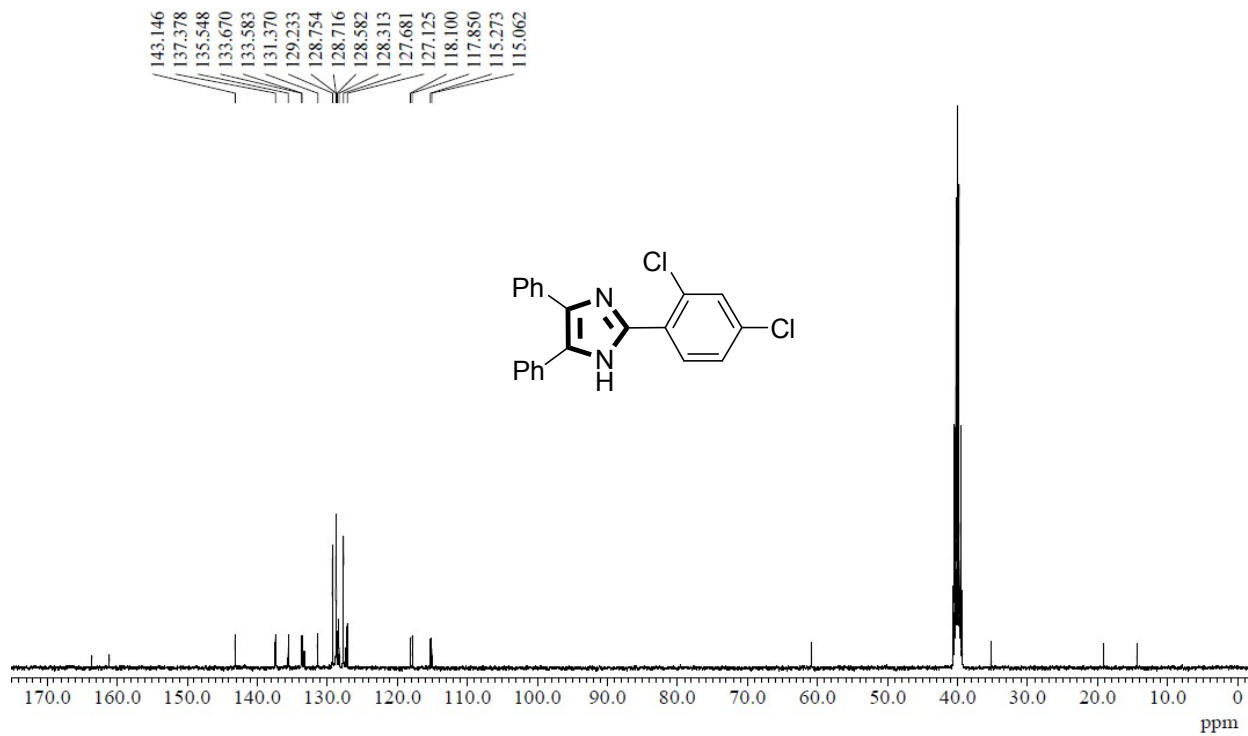
1.18 <sup>1</sup>H NMR of compound: 4j



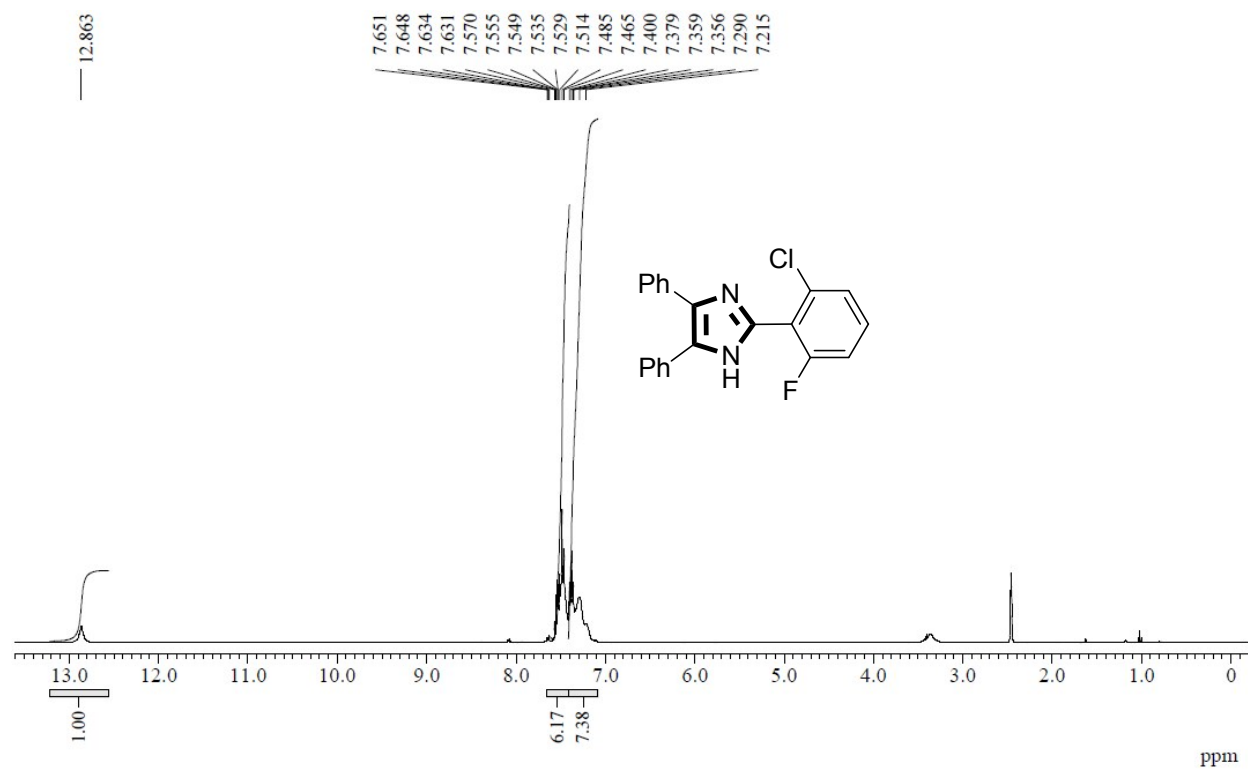
1.19 <sup>1</sup>H NMR of compound: 4k



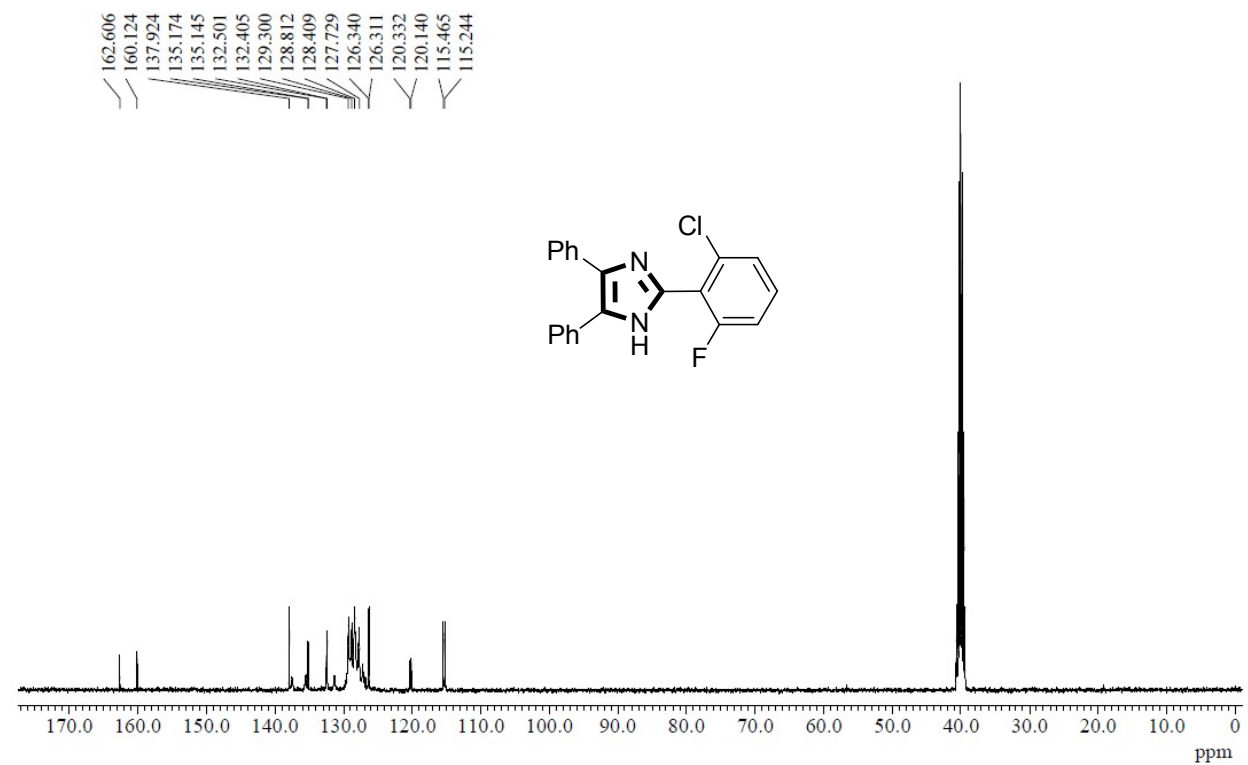
1.20 <sup>13</sup>C NMR of compound: 4k



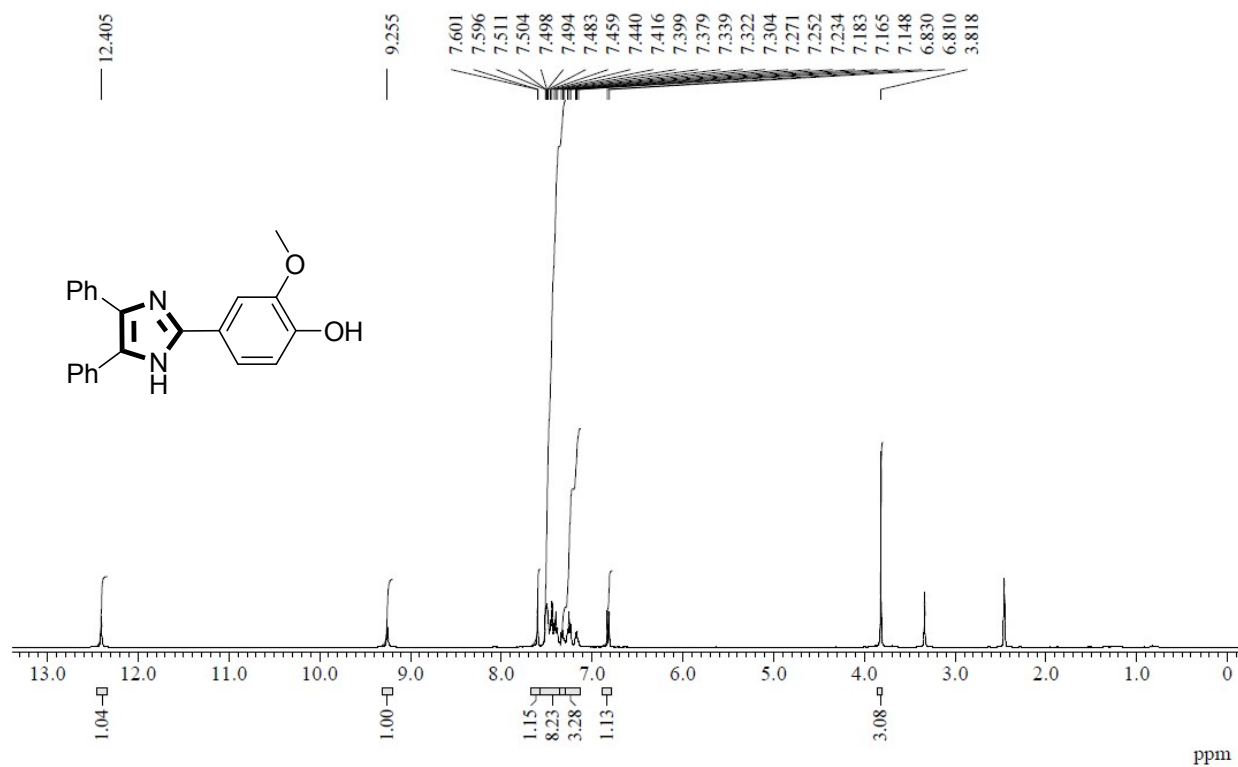
### 1.21 $^1\text{H}$ NMR of compound: **4l**



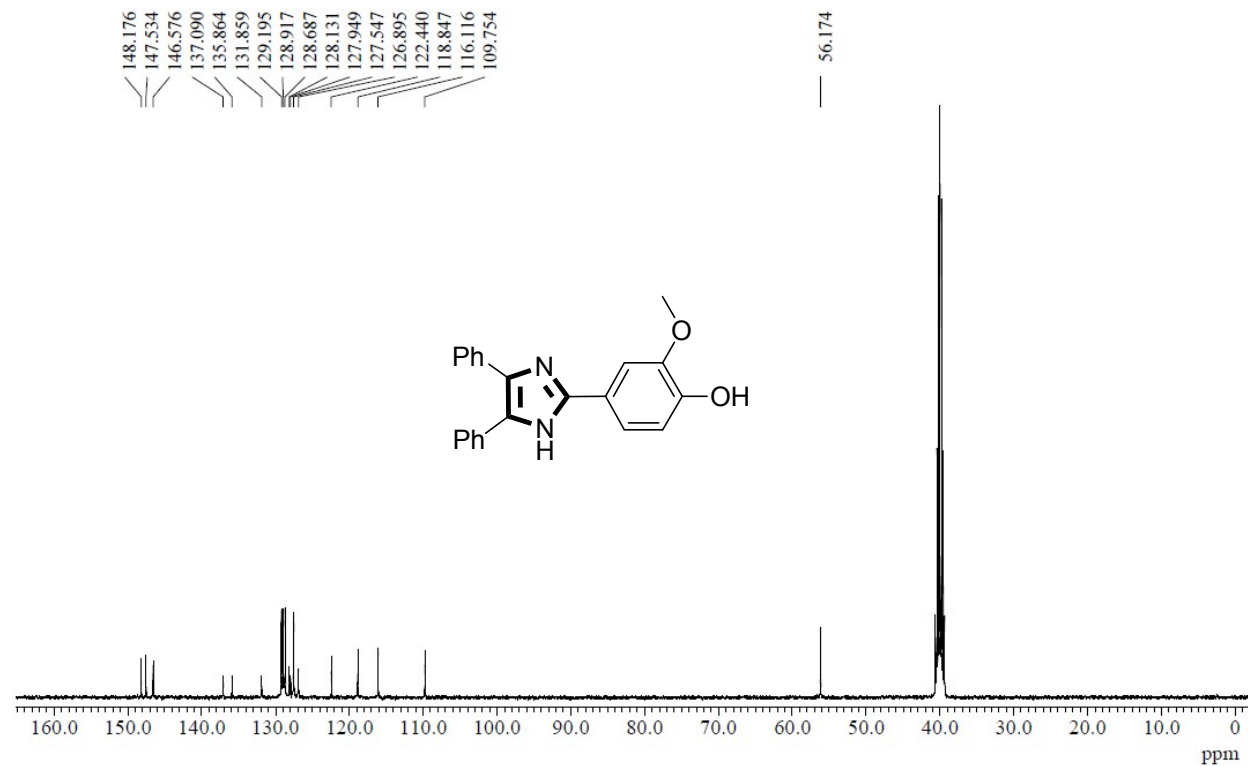
### 1.22 $^{13}\text{C}$ NMR of compound: **4l**



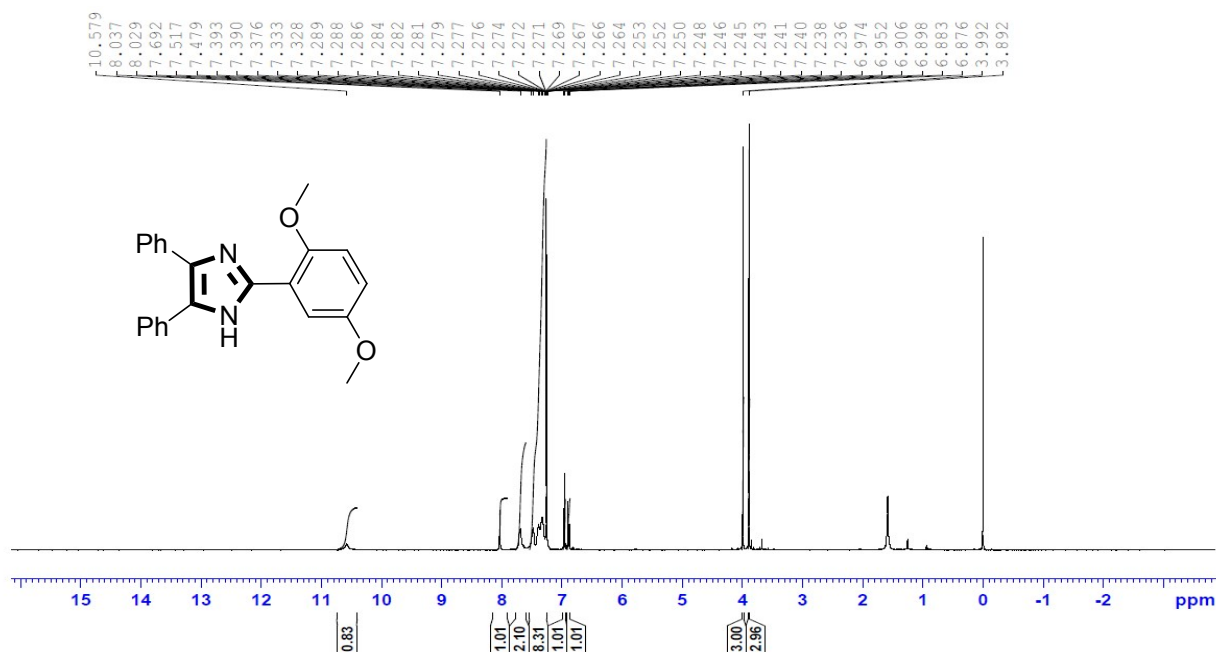
1.23  $^1\text{H}$  NMR of compound: **4m**



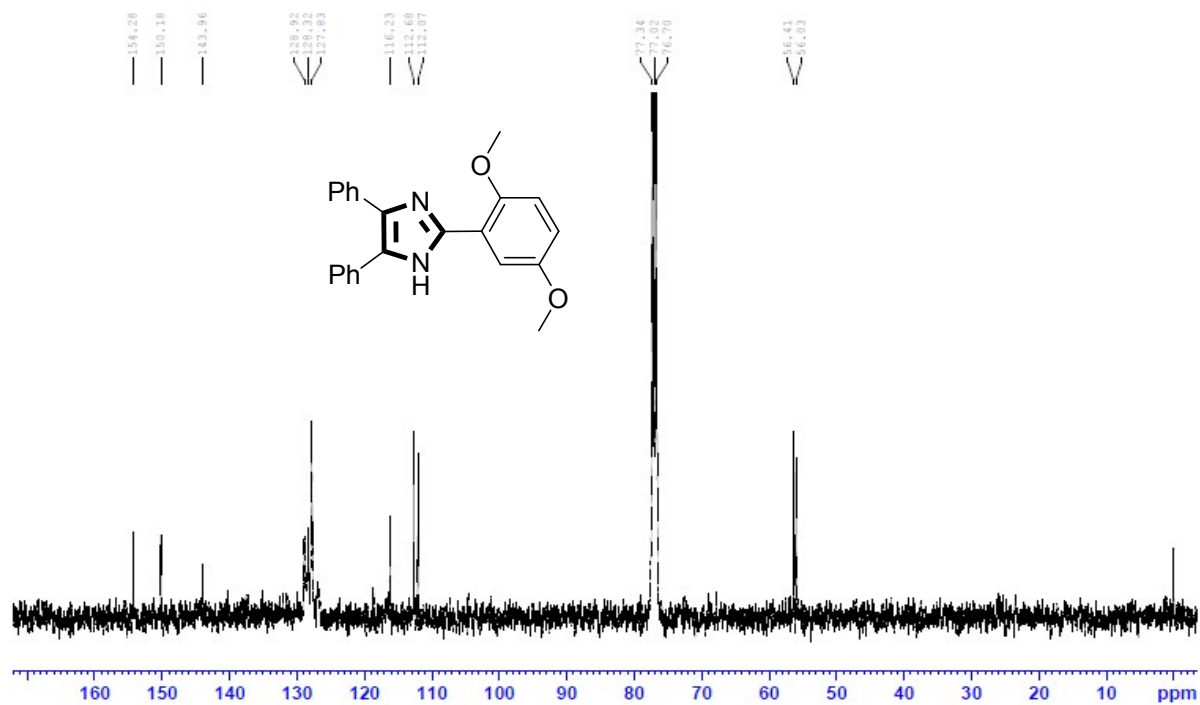
1.24  $^{13}\text{C}$  NMR of compound: **4m**



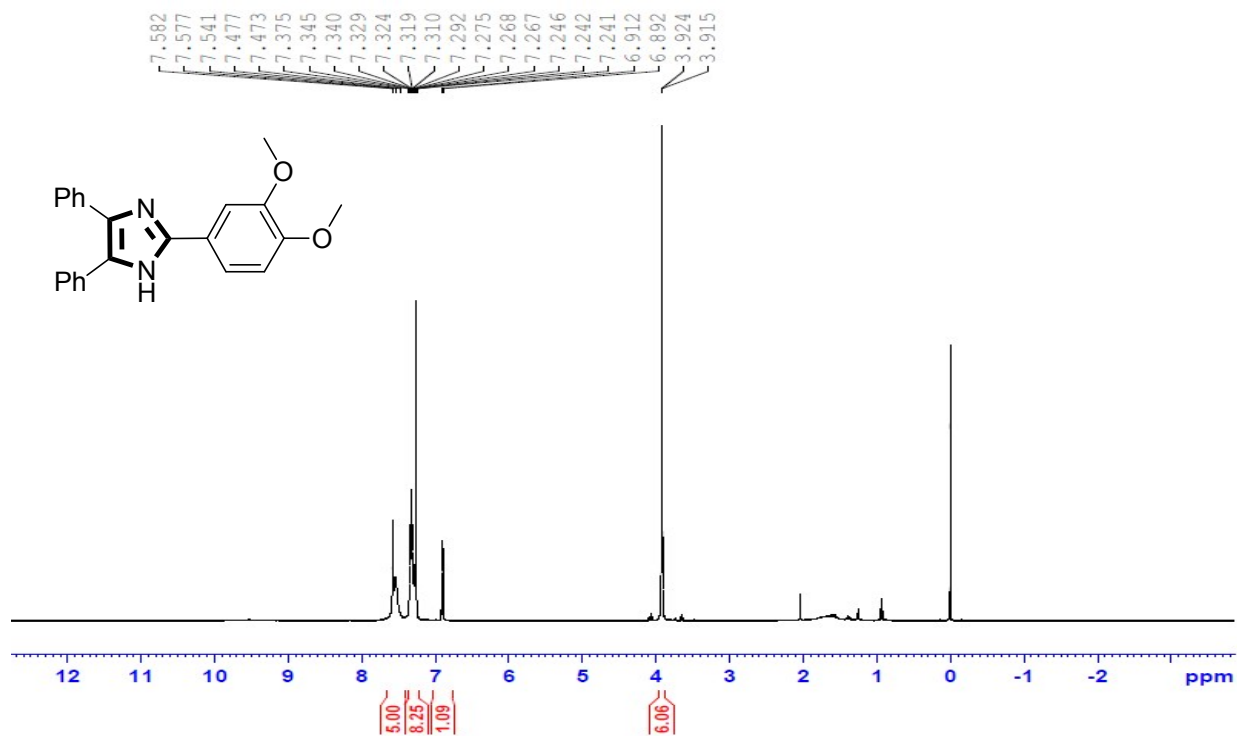
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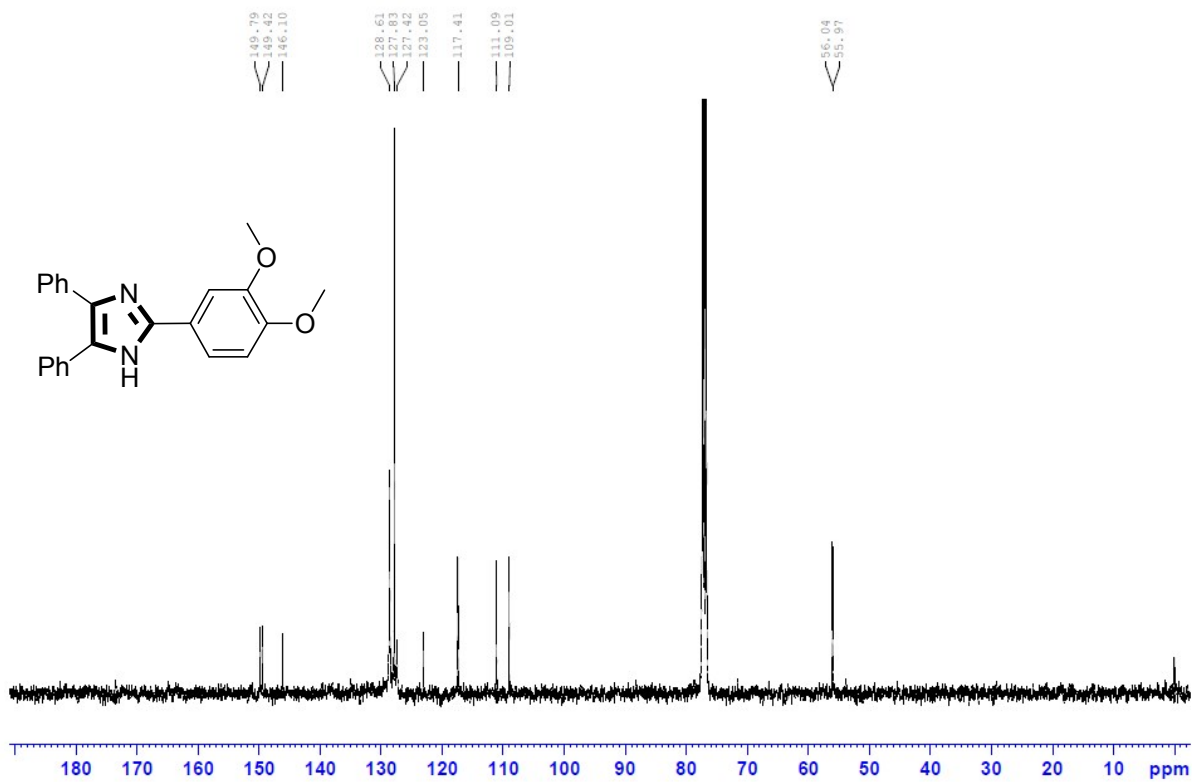
1.26  $^{13}\text{C}$  NMR of compound: **4n**



1.27 <sup>1</sup>H NMR of compound: **4o**

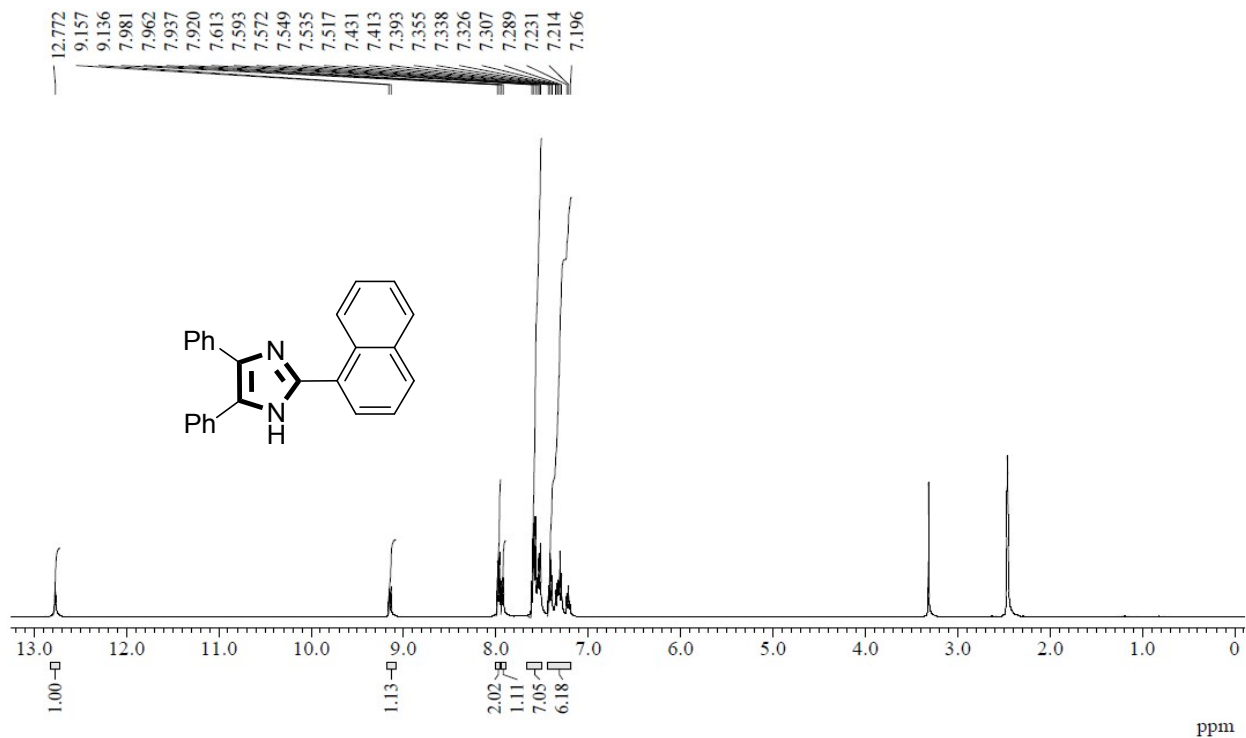


1.28 <sup>13</sup>C NMR of compound: **4o**

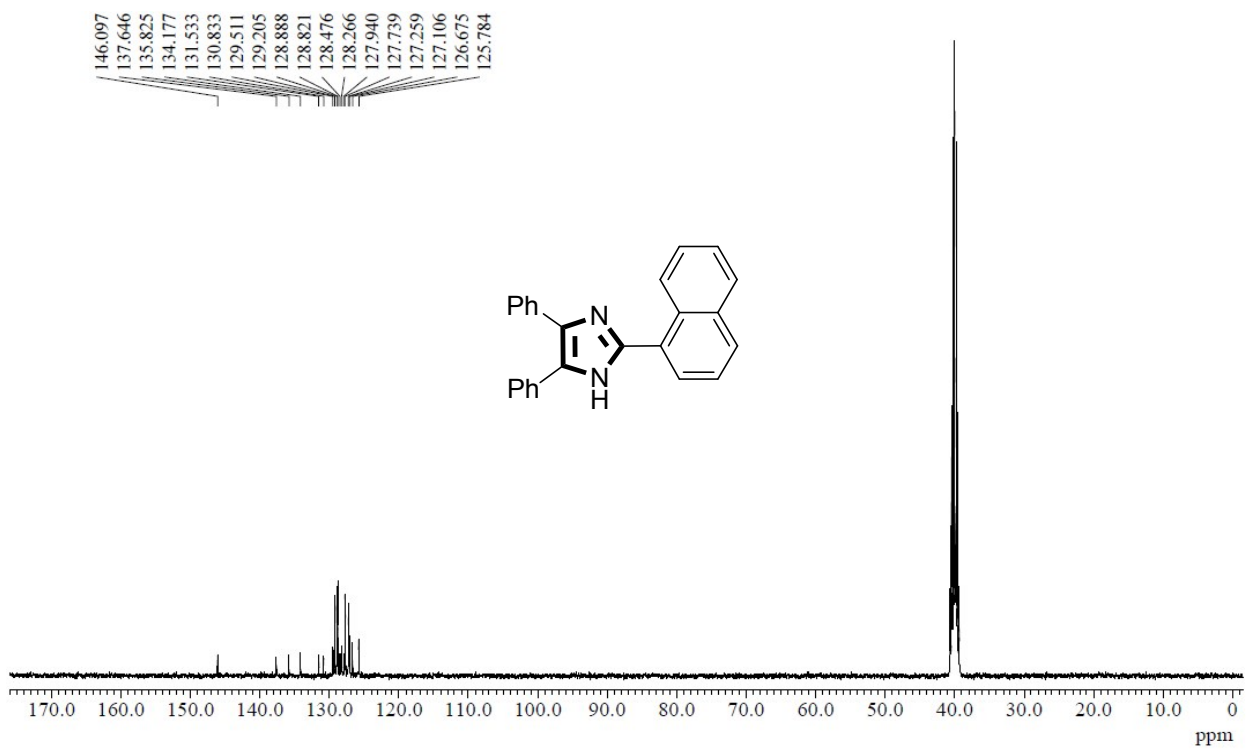




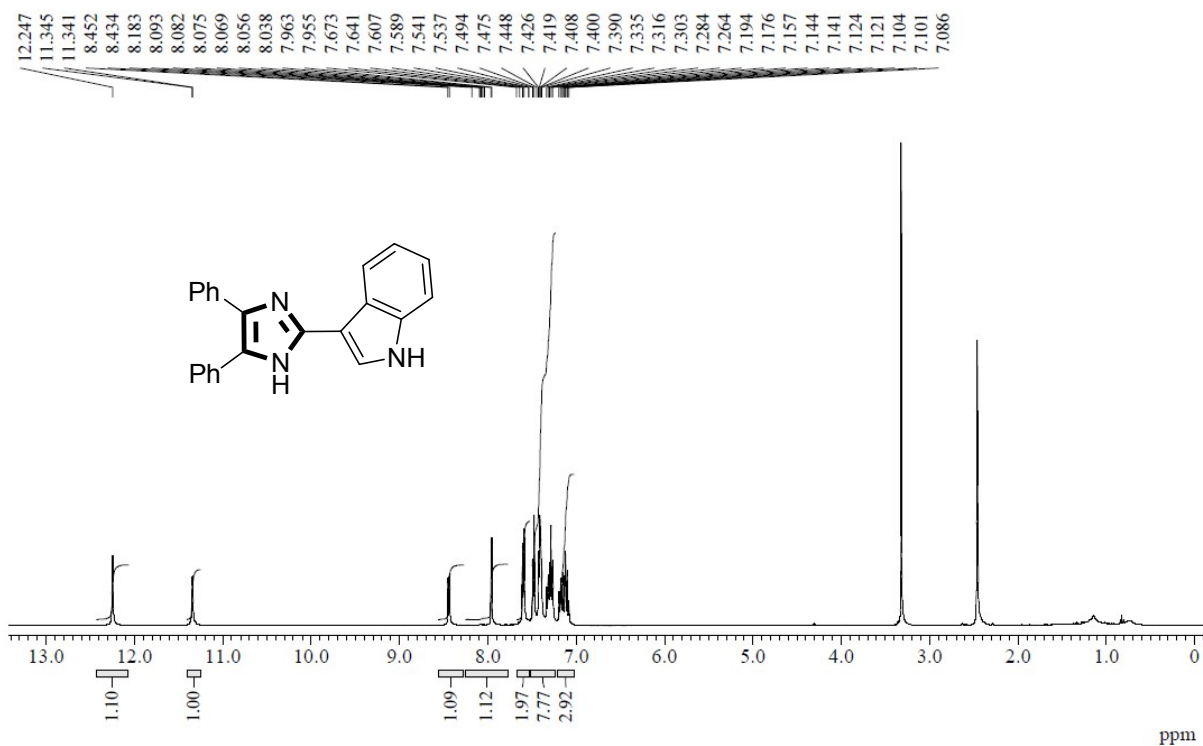
1.29  $^1\text{H}$  NMR of compound: **4p**



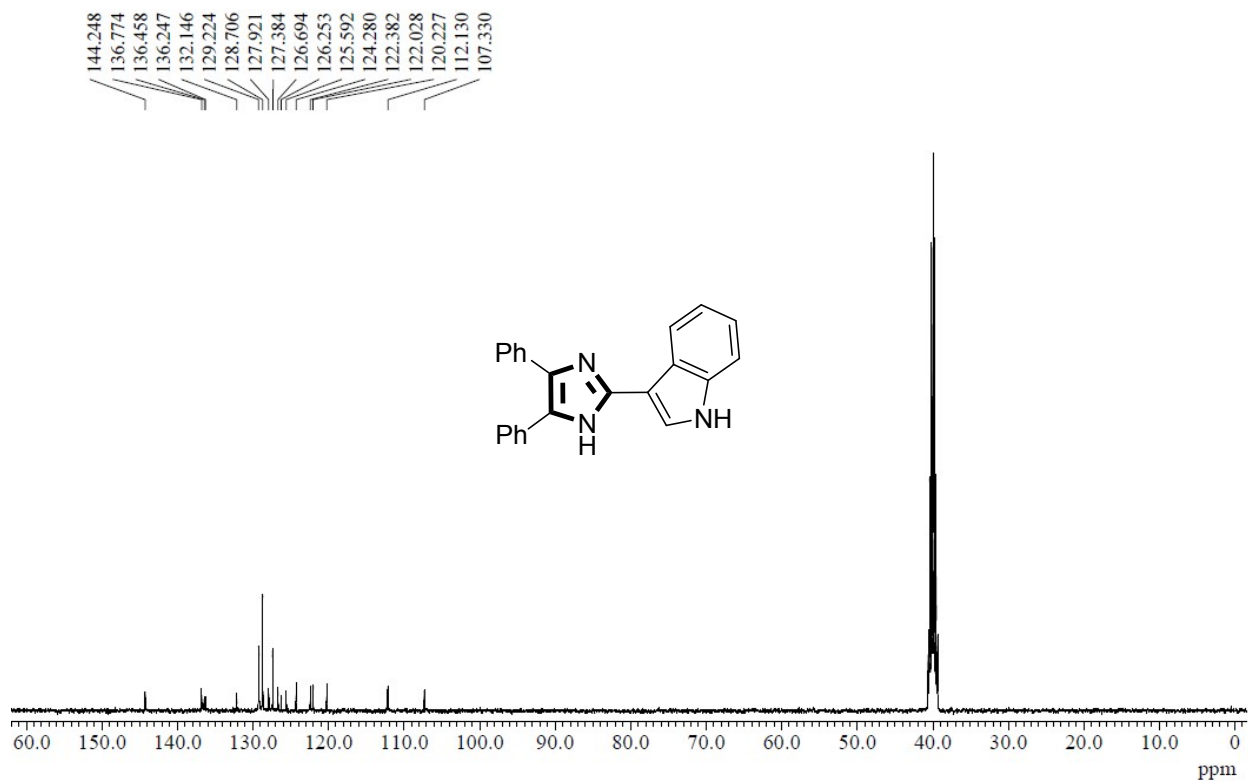
1.30  $^{13}\text{C}$  NMR of compound: **4p**



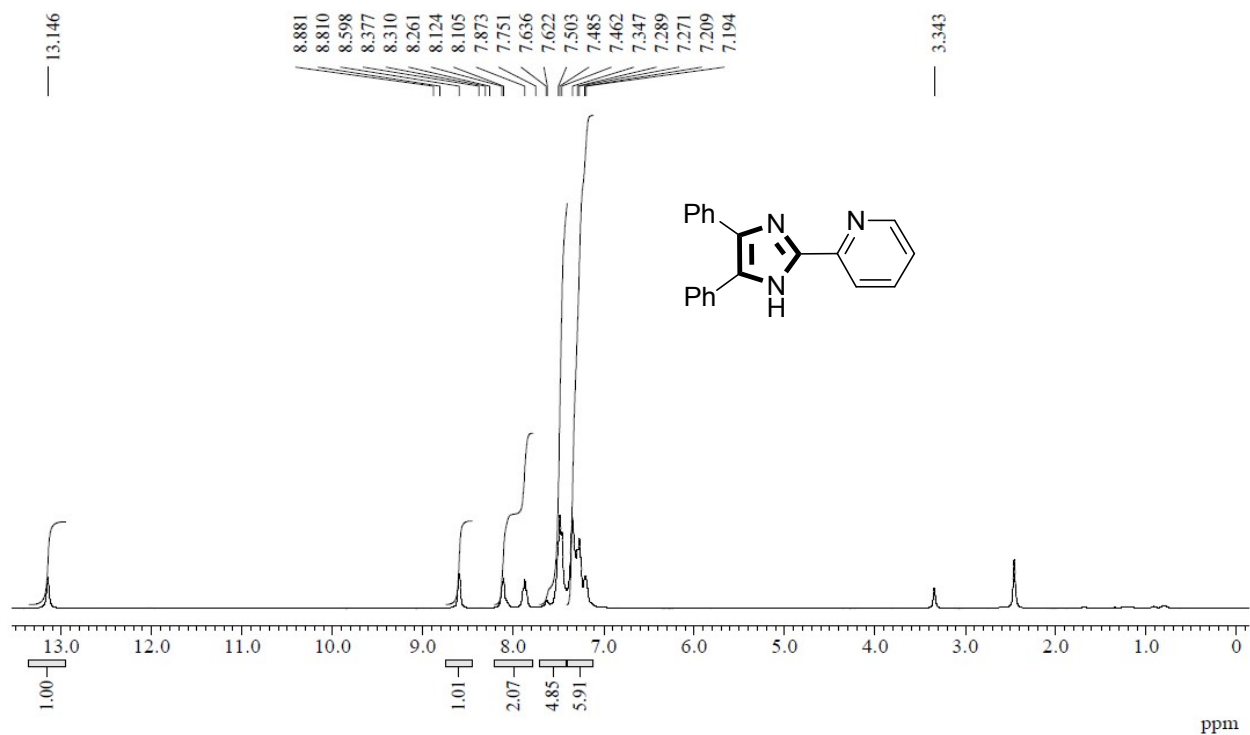
1.31 <sup>1</sup>H NMR of compound: 4q



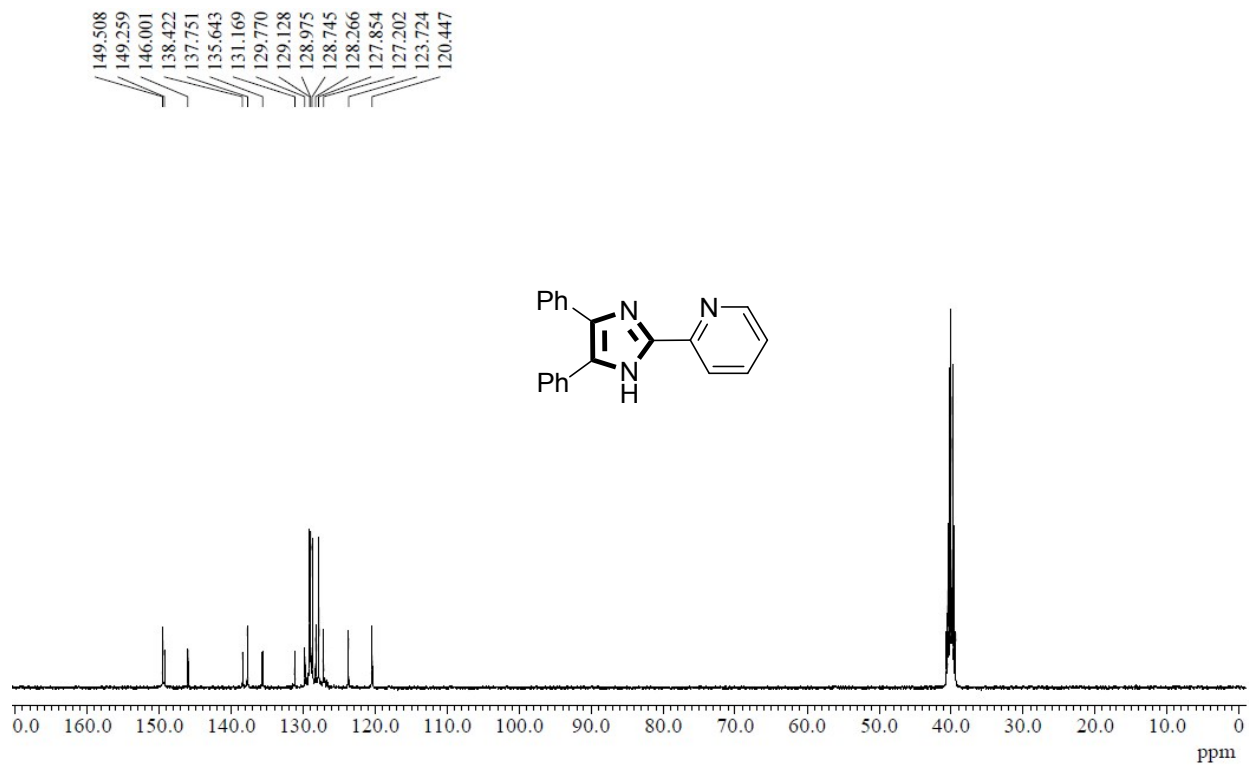
1.32 <sup>13</sup>C NMR of compound: 4q



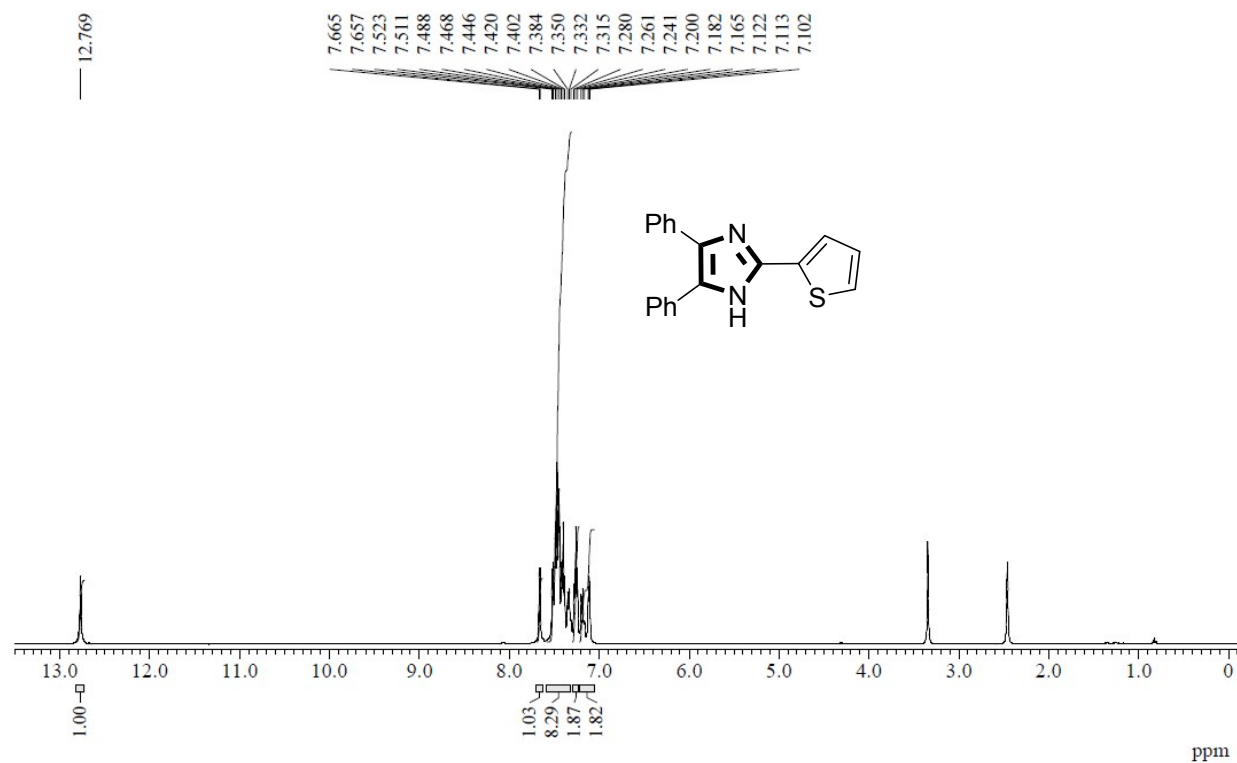
### 1.33 $^1\text{H}$ NMR of compound: **4r**



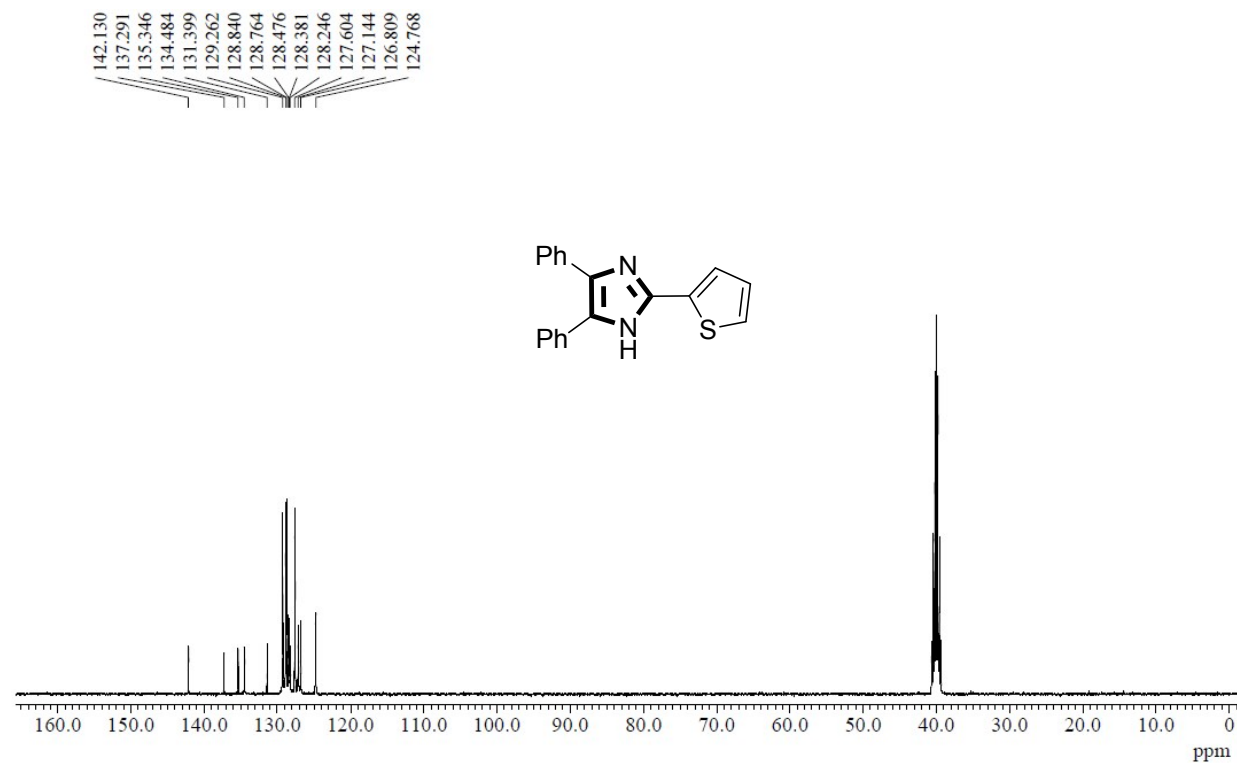
### 1.34 $^{13}\text{C}$ NMR of compound: **4r**



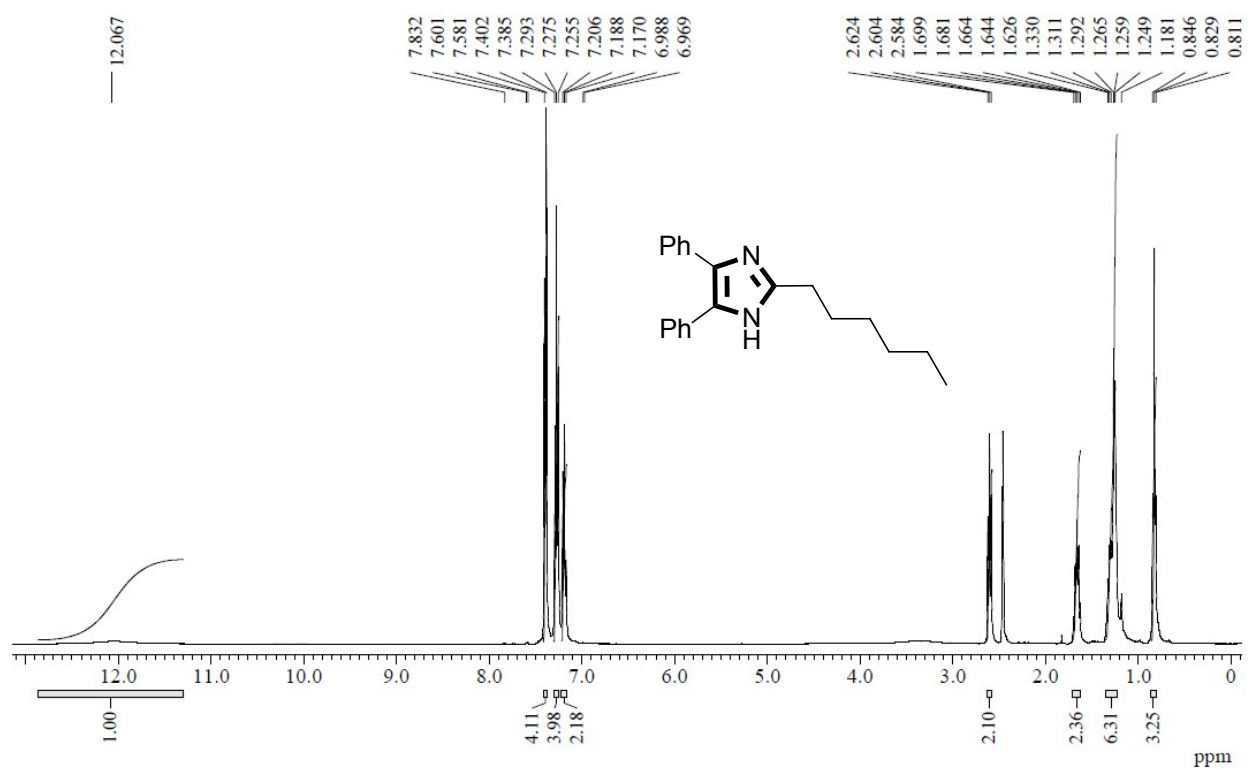
1.35  $^1\text{H}$  NMR of compound: **4s**



1.36  $^{13}\text{C}$  NMR of compound: **4s**



1.37  $^1\text{H}$  NMR of compound: **4t**



1.38  $^{13}\text{C}$  NMR of compound: **4t**

