

## Supporting Information

### AN EFFICIENT SYNTHESIS AND EVALUATION OF ANTITUMOR ACTIVITIES OF FUNCTIONALIZED PYRANO[2,3-*b*]QUINOLINES

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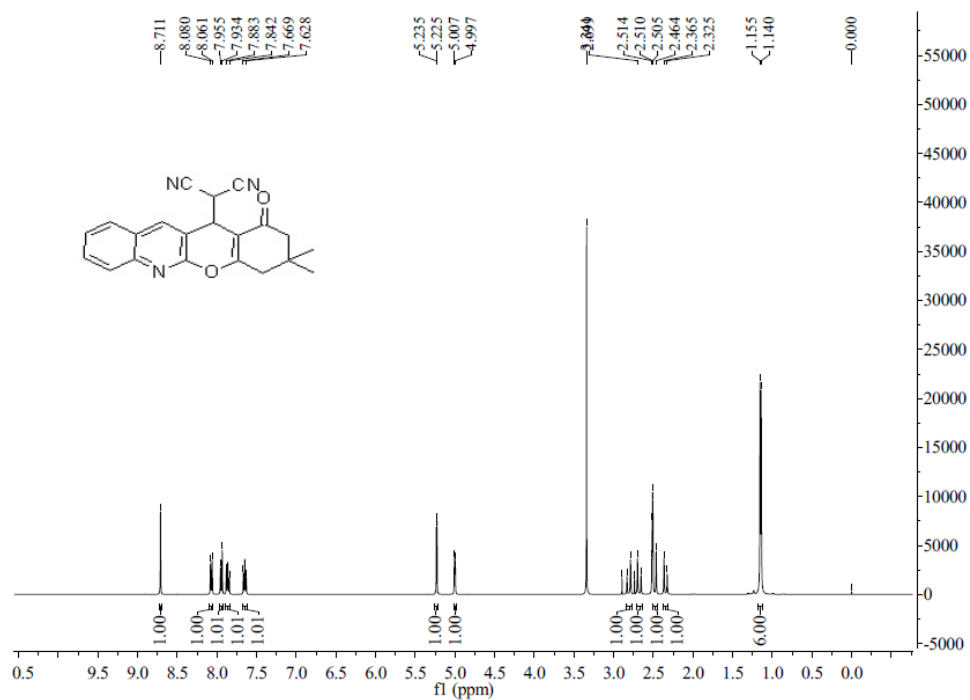
#### Contont

Copies of <sup>1</sup>H NMR and <sup>13</sup>C NMR Spectra for Compound 4a-4v

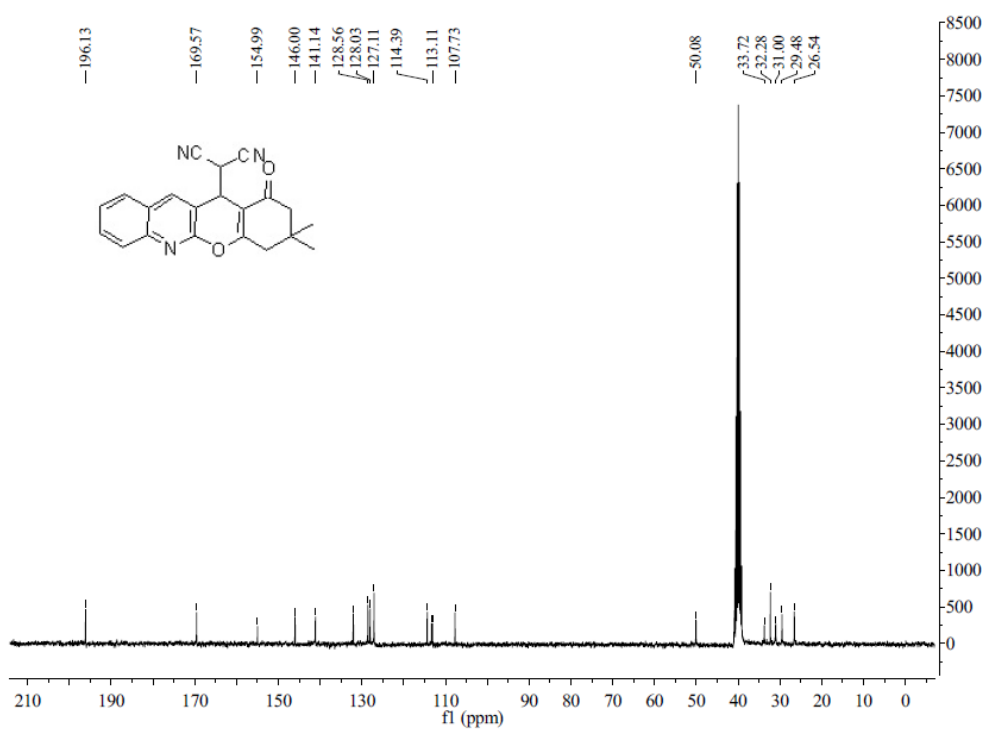
S2-S23

# Copies of $^1\text{H}$ NMR, $^{13}\text{C}$ NMR and HRMS of compounds

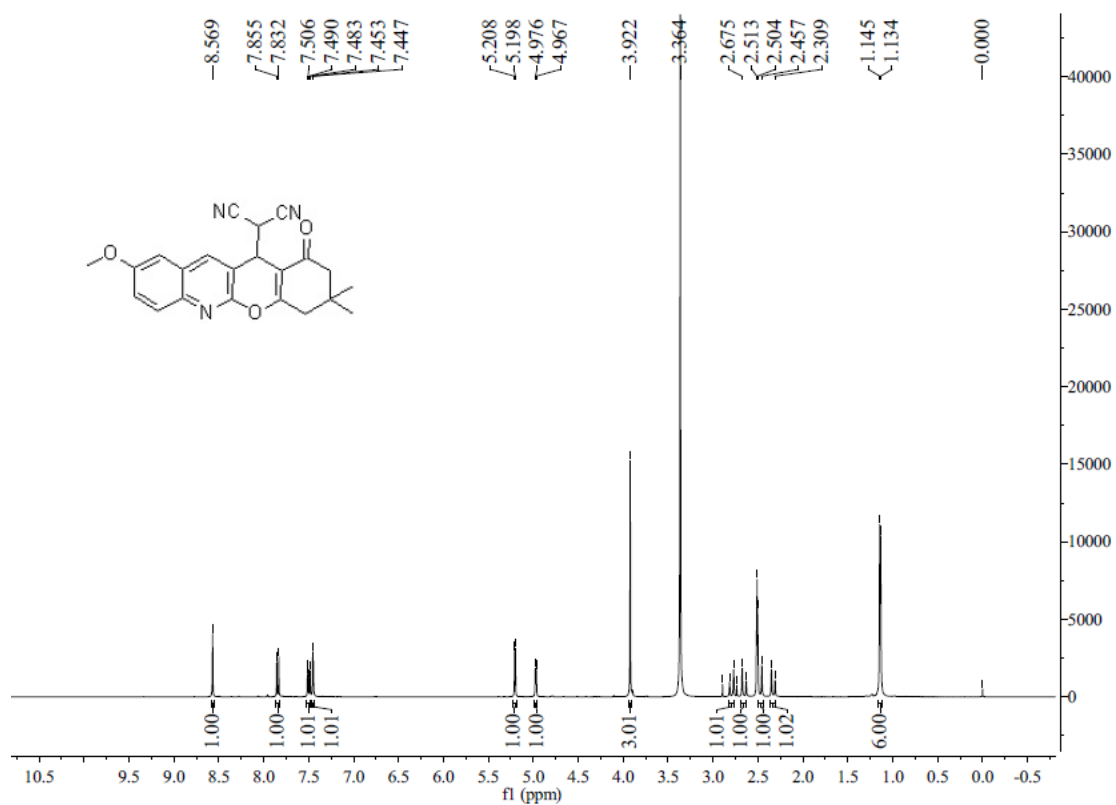
## $^1\text{H}$ NMR of compound **4a**



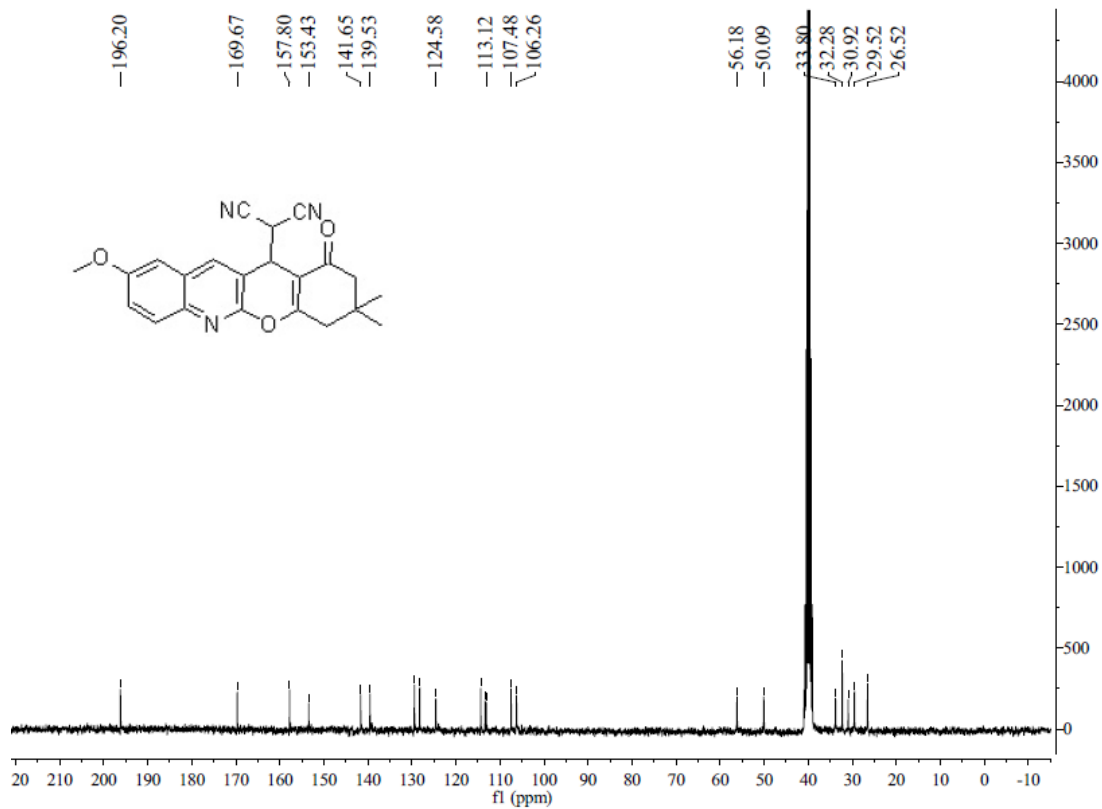
## $^{13}\text{C}$ NMR of compound **4a**



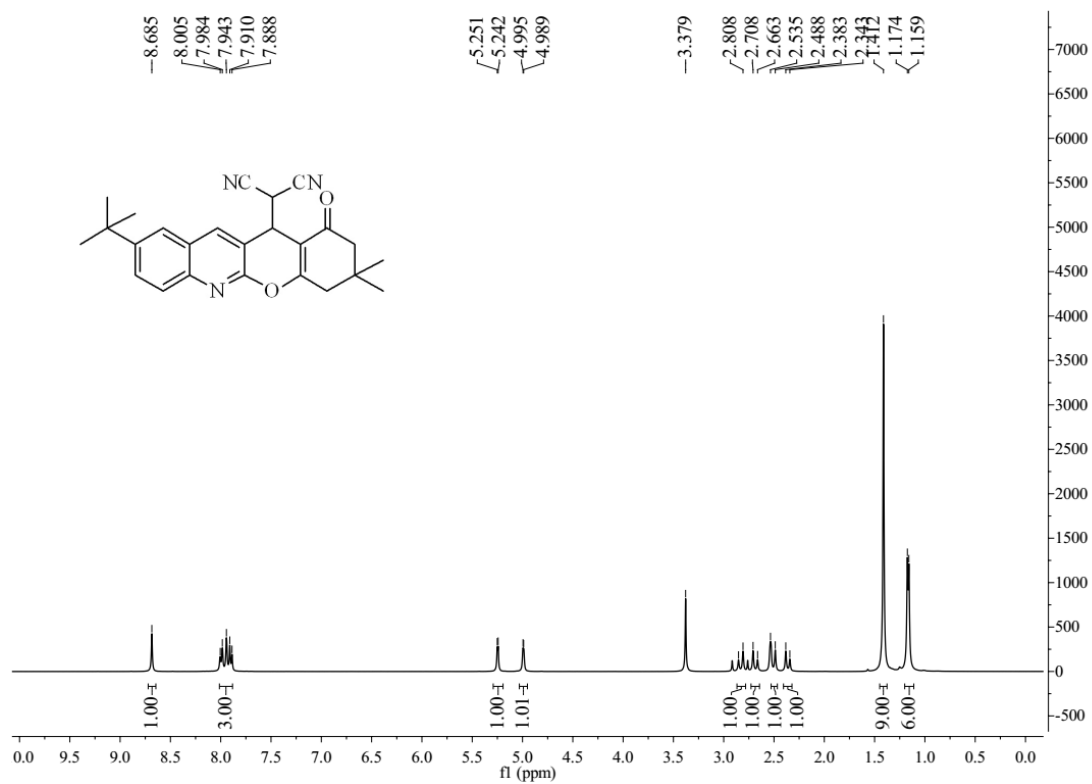
<sup>1</sup>H NMR of compound **4b**



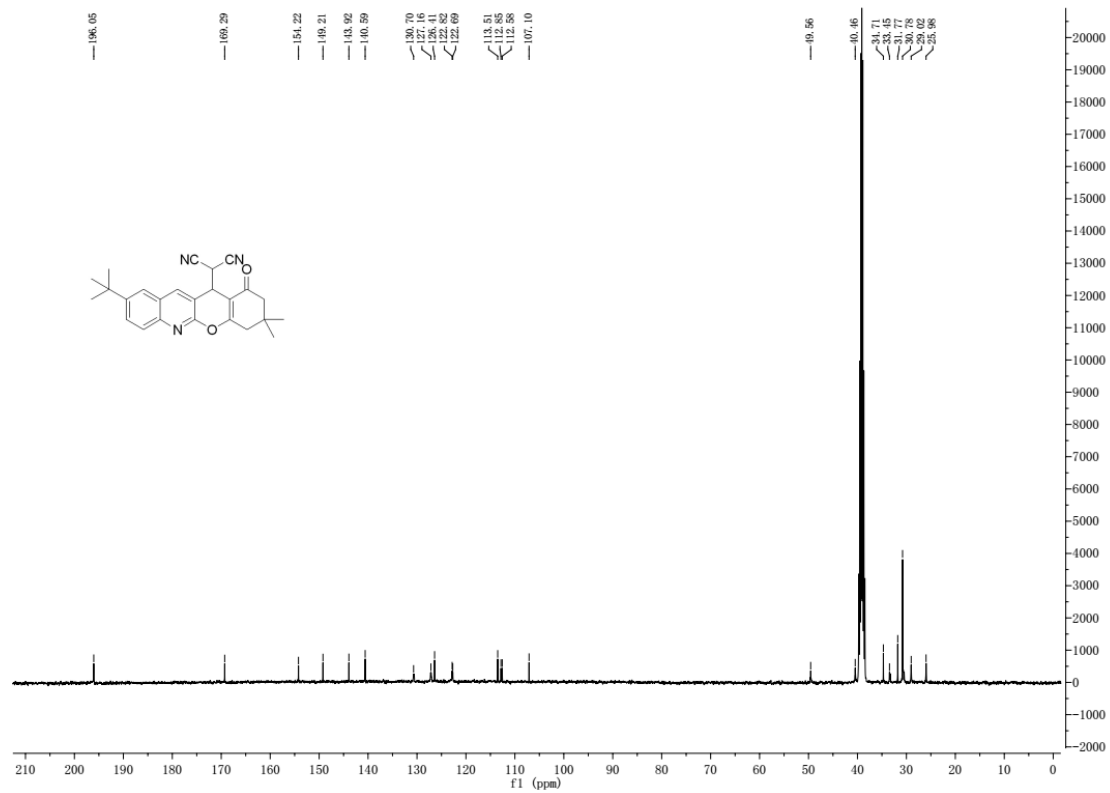
<sup>13</sup>C NMR of compound **4b**



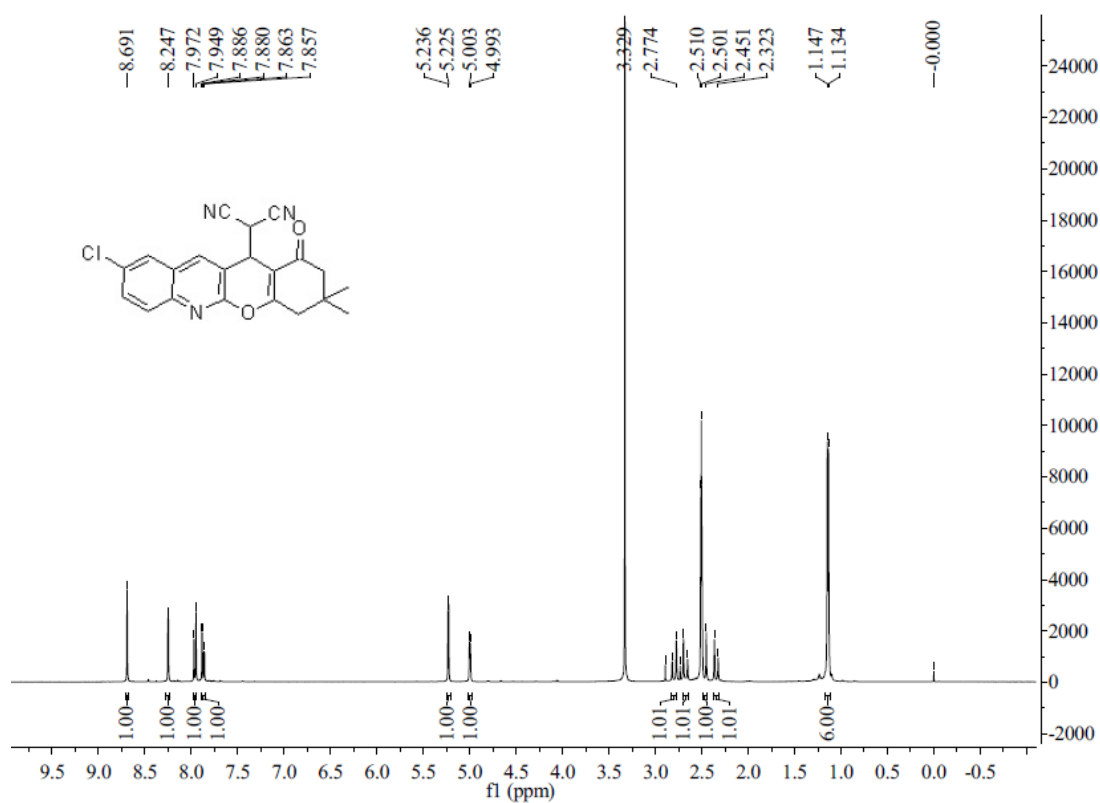
### $^1\text{H}$ NMR of compound **4c**



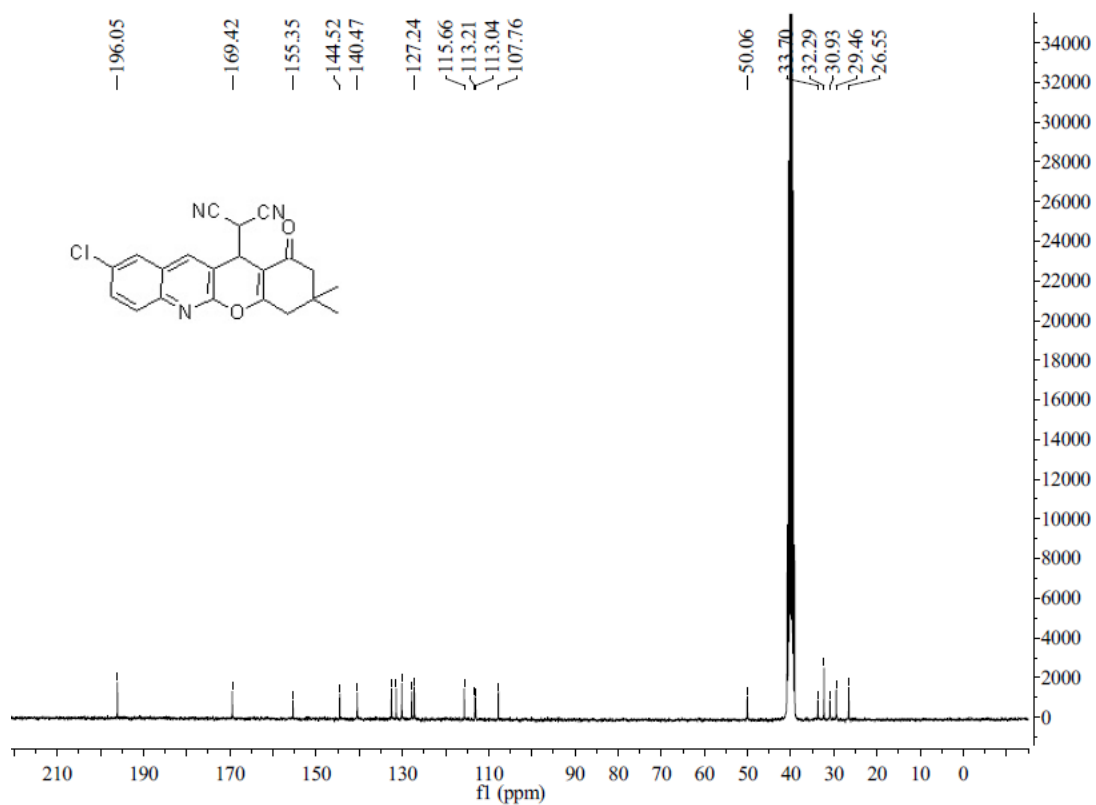
### $^{13}\text{C}$ NMR of compound **4c**



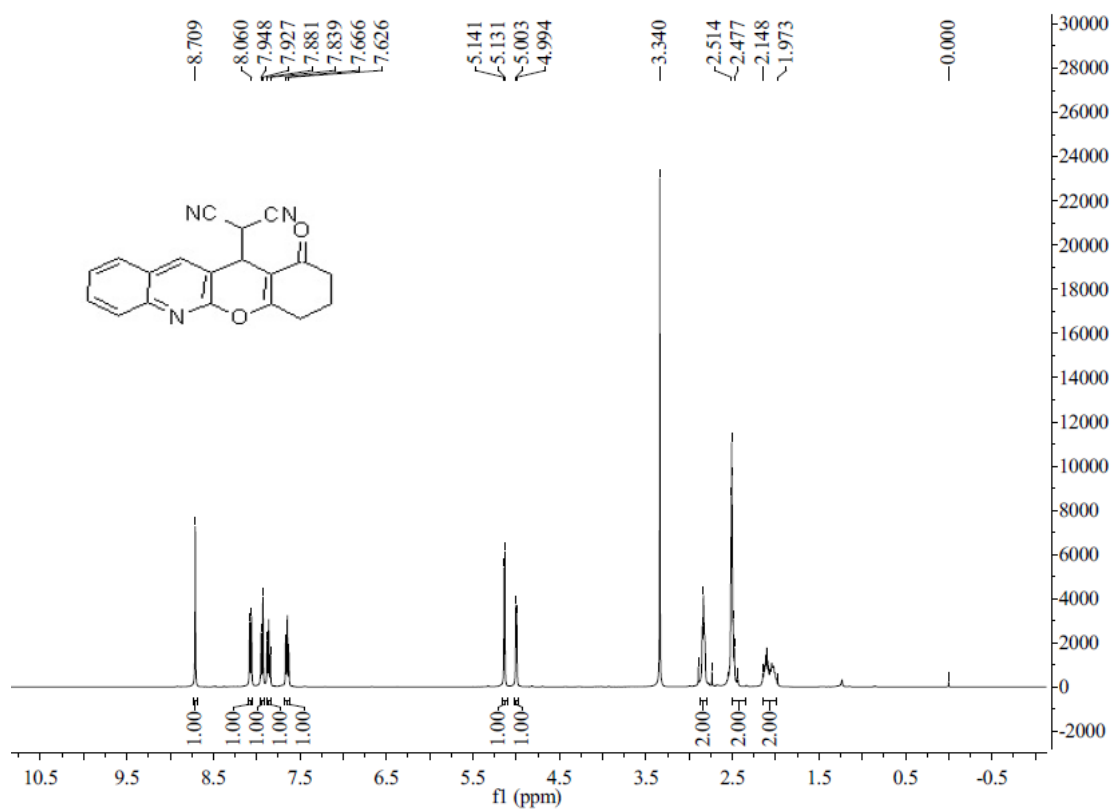
<sup>1</sup>H NMR of compound **4d**



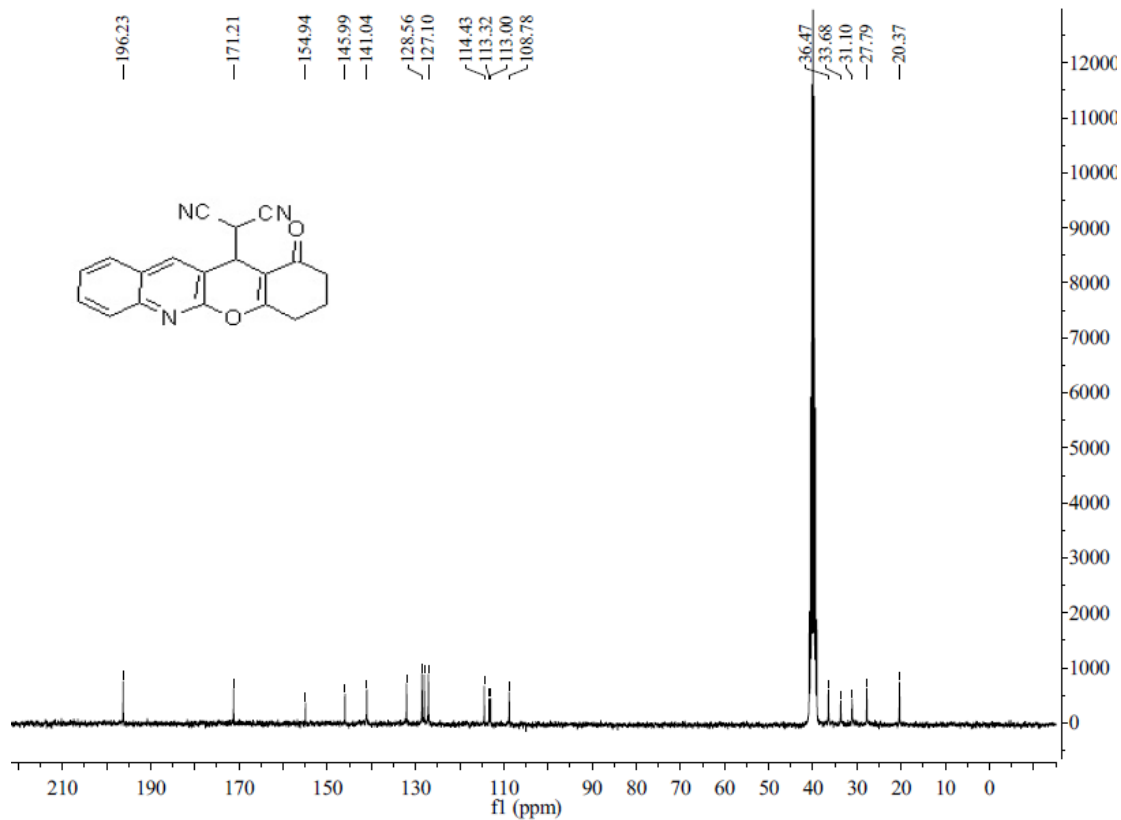
<sup>13</sup>C NMR of compound **4d**



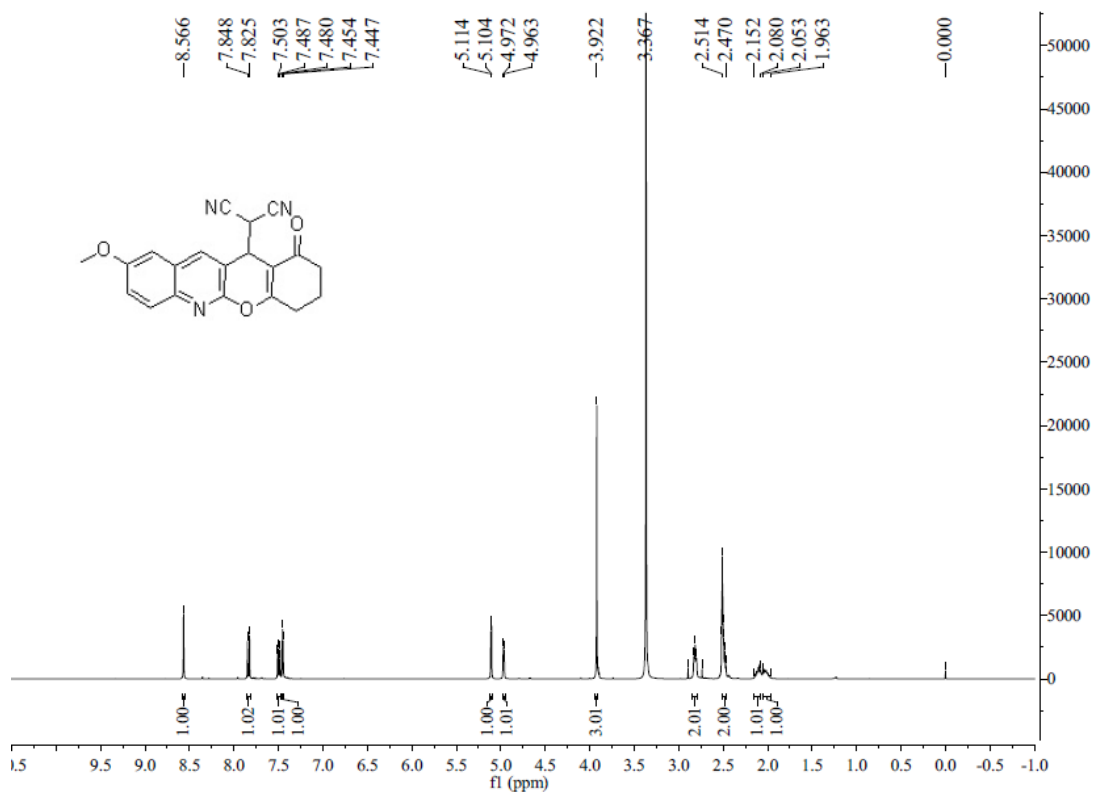
<sup>1</sup>H NMR of compound **4e**



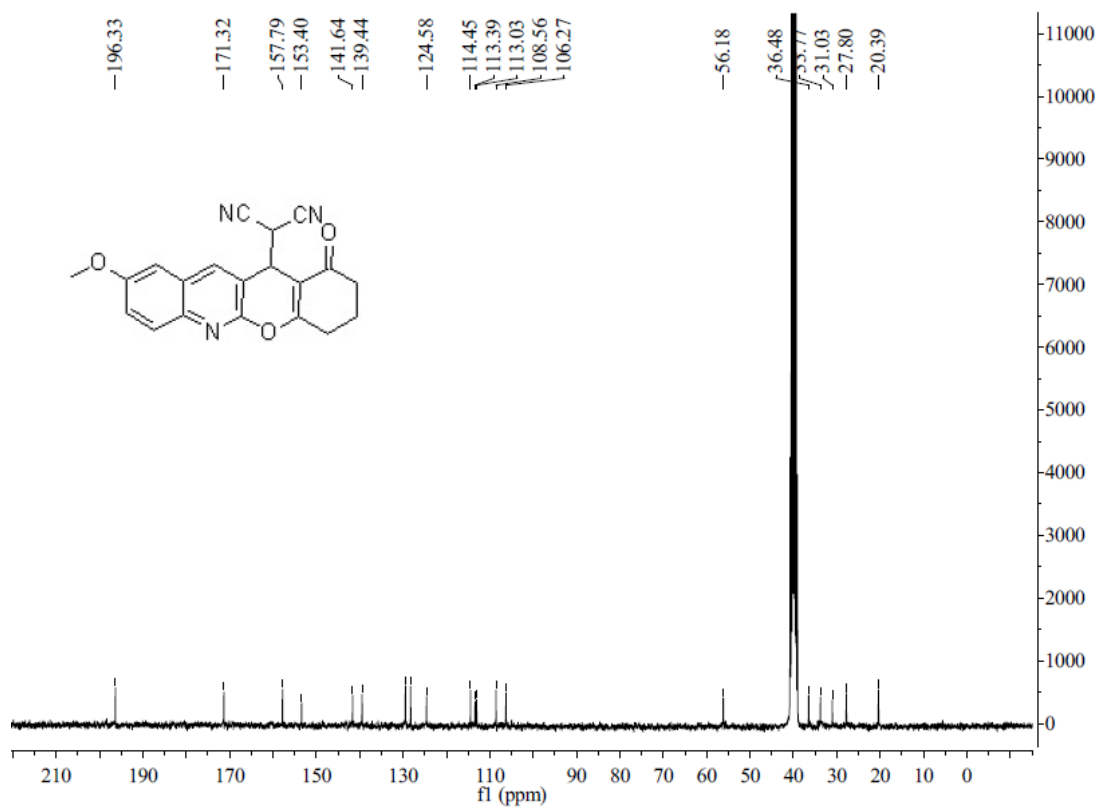
<sup>13</sup>C NMR of compound **4e**



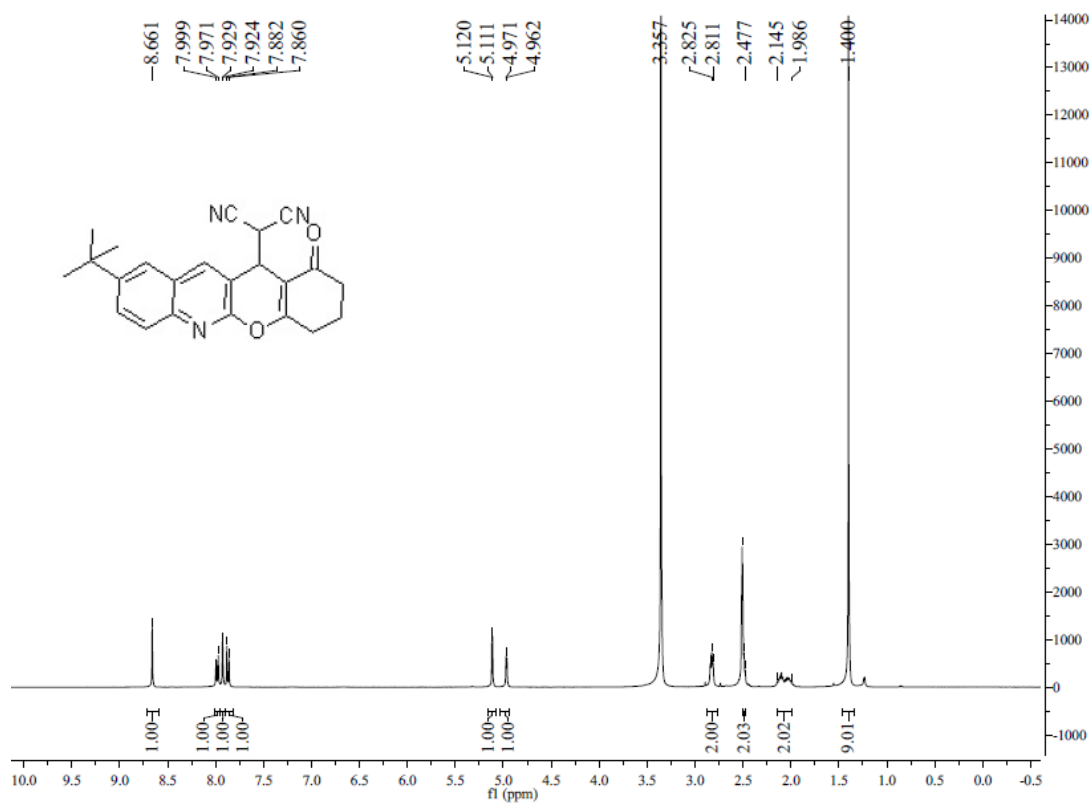
### <sup>1</sup>H NMR of compound **4f**



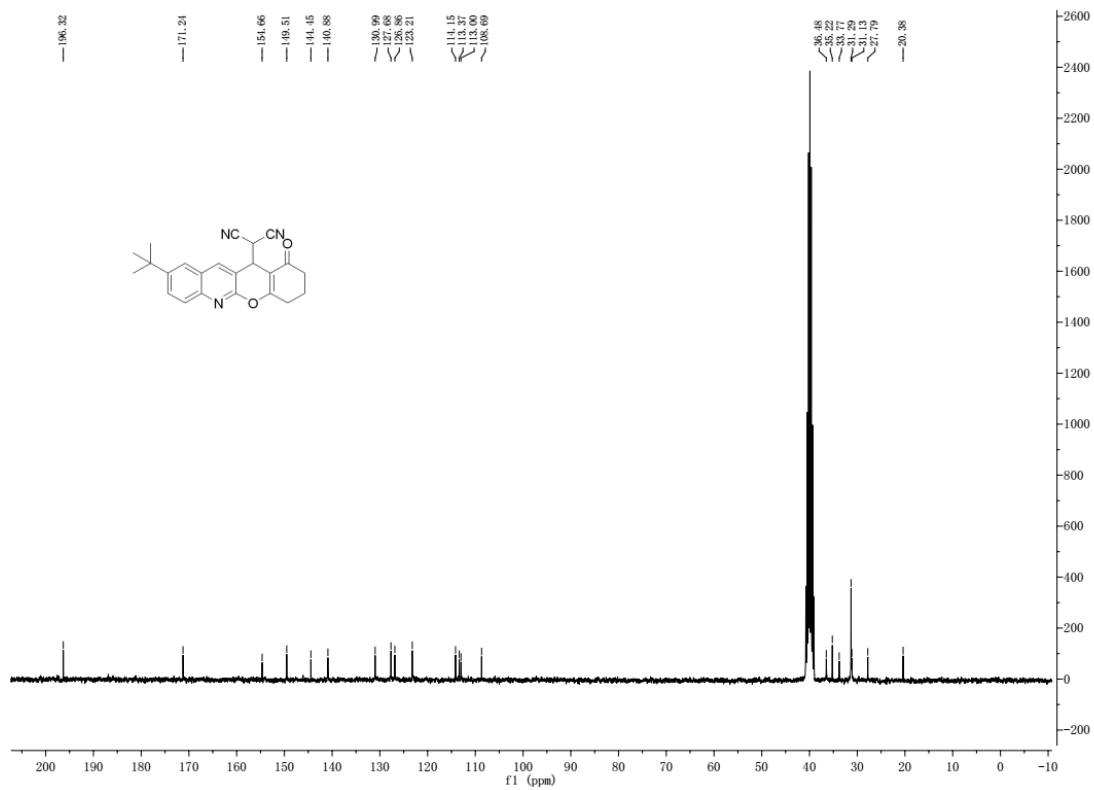
### <sup>13</sup>C NMR of compound **4f**



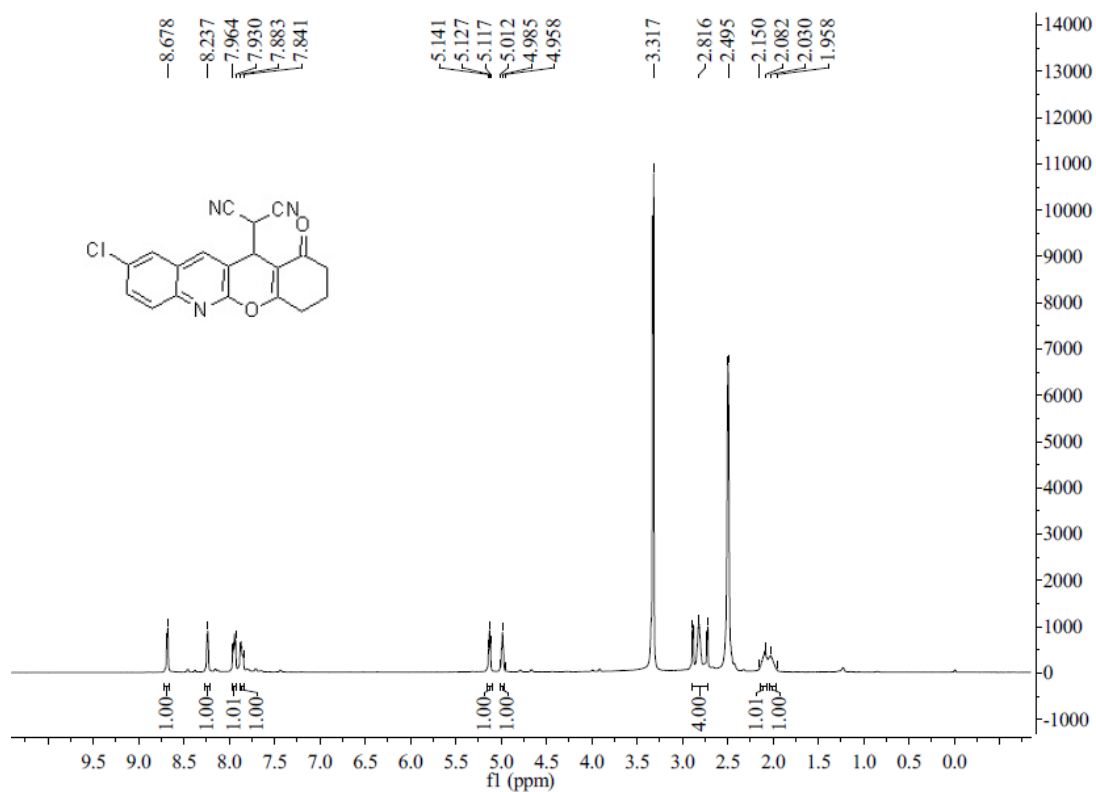
$^1\text{H}$  NMR of compound **4g**



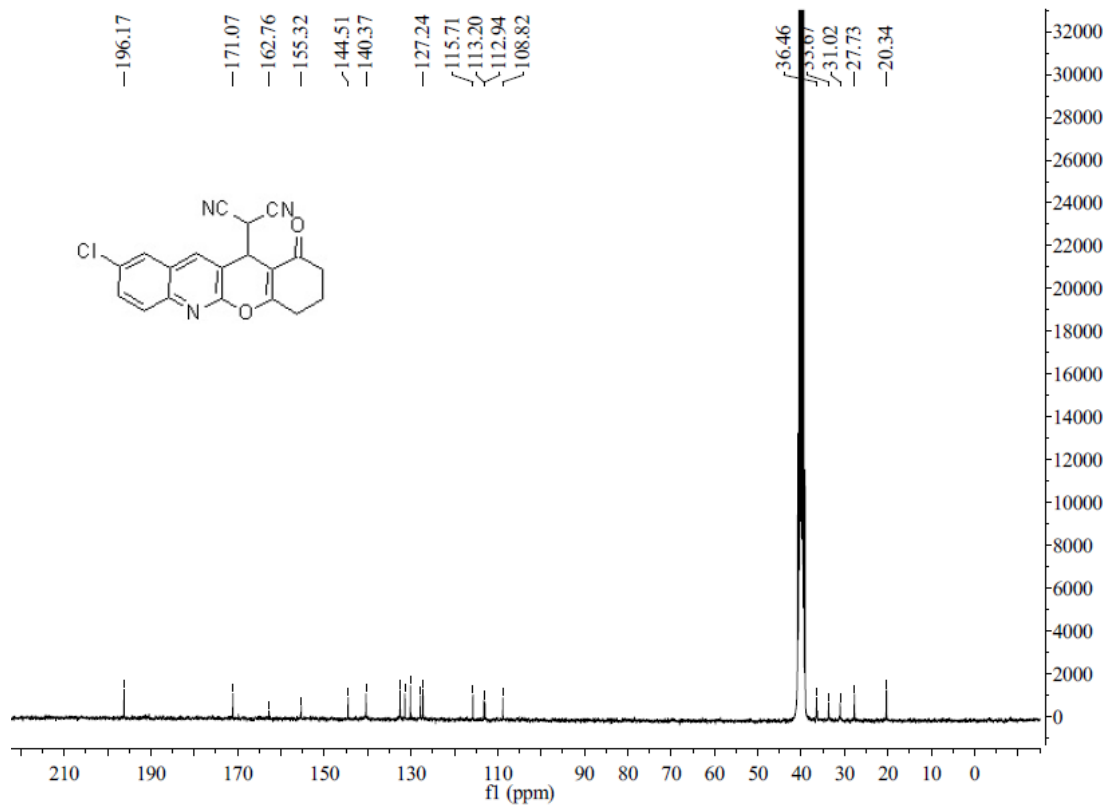
$^{13}\text{C}$  NMR of compound **4g**



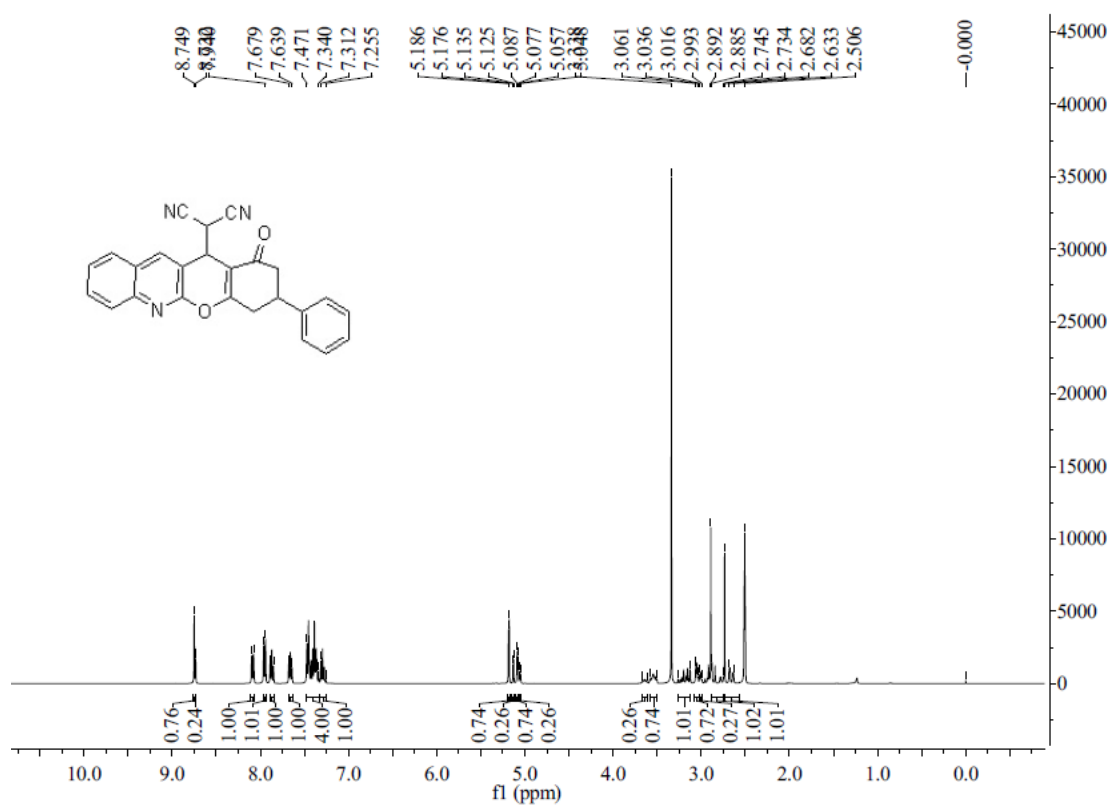
<sup>1</sup>H NMR of compound **4h**



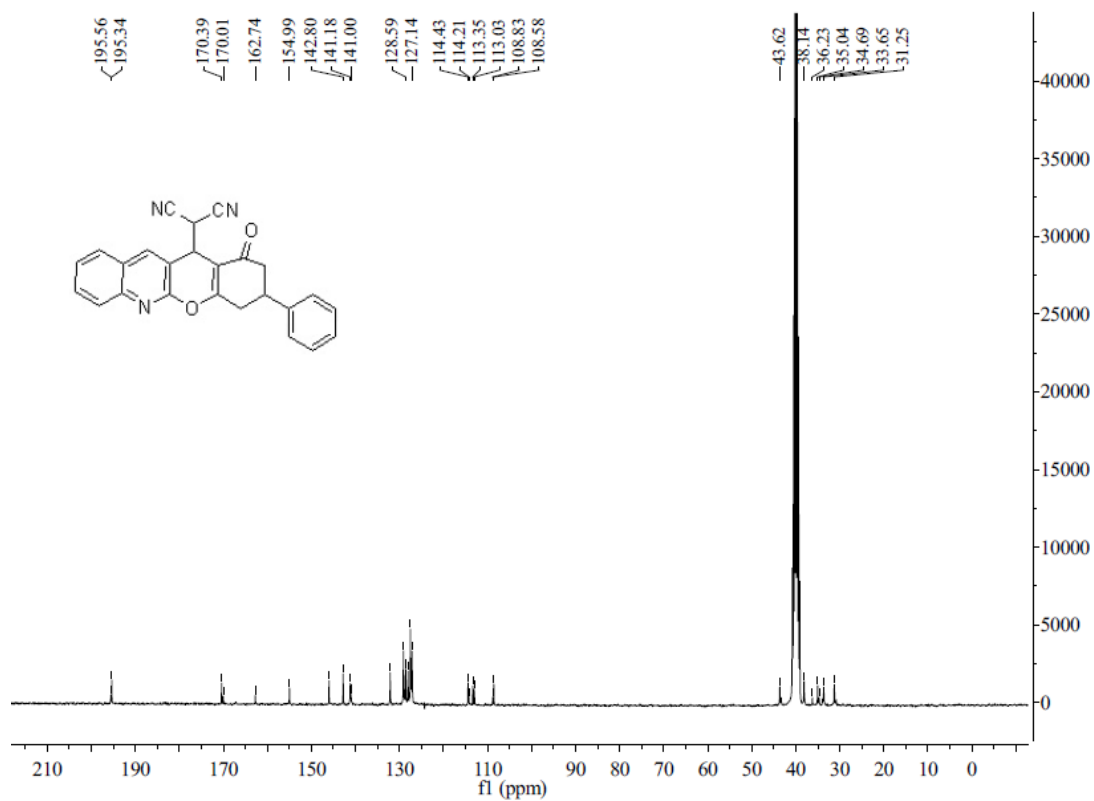
<sup>13</sup>C NMR of compound **4h**



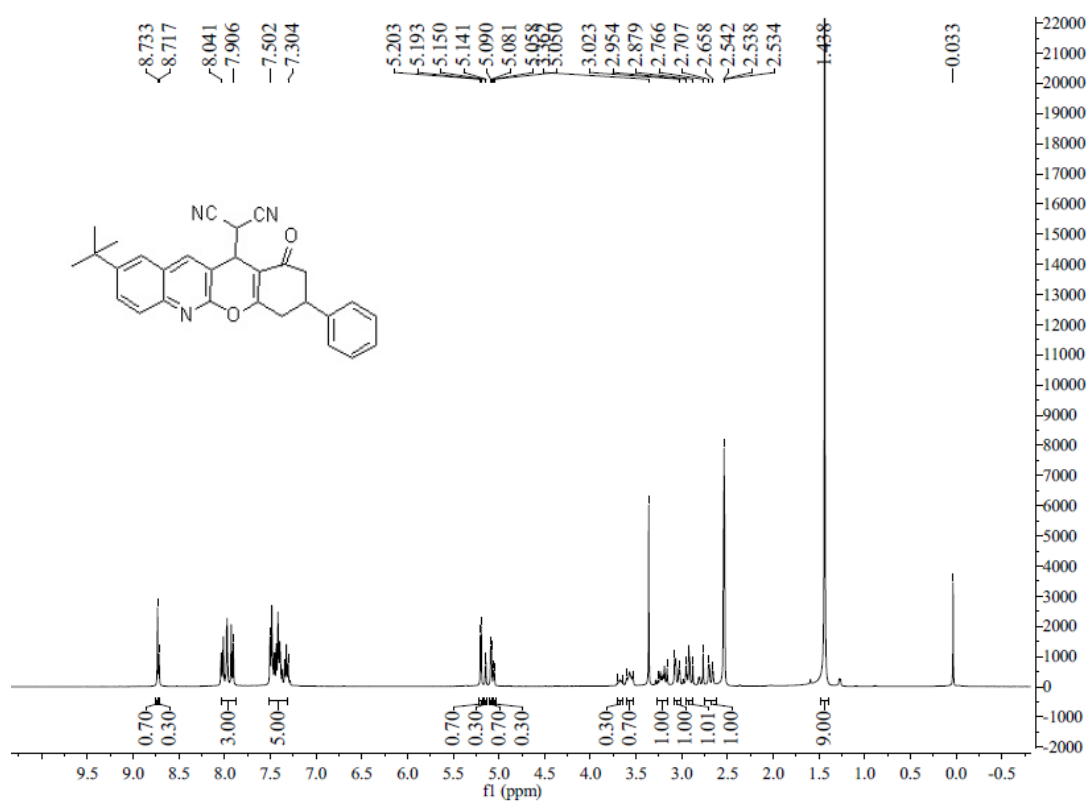
<sup>1</sup>H NMR of compound **4i**



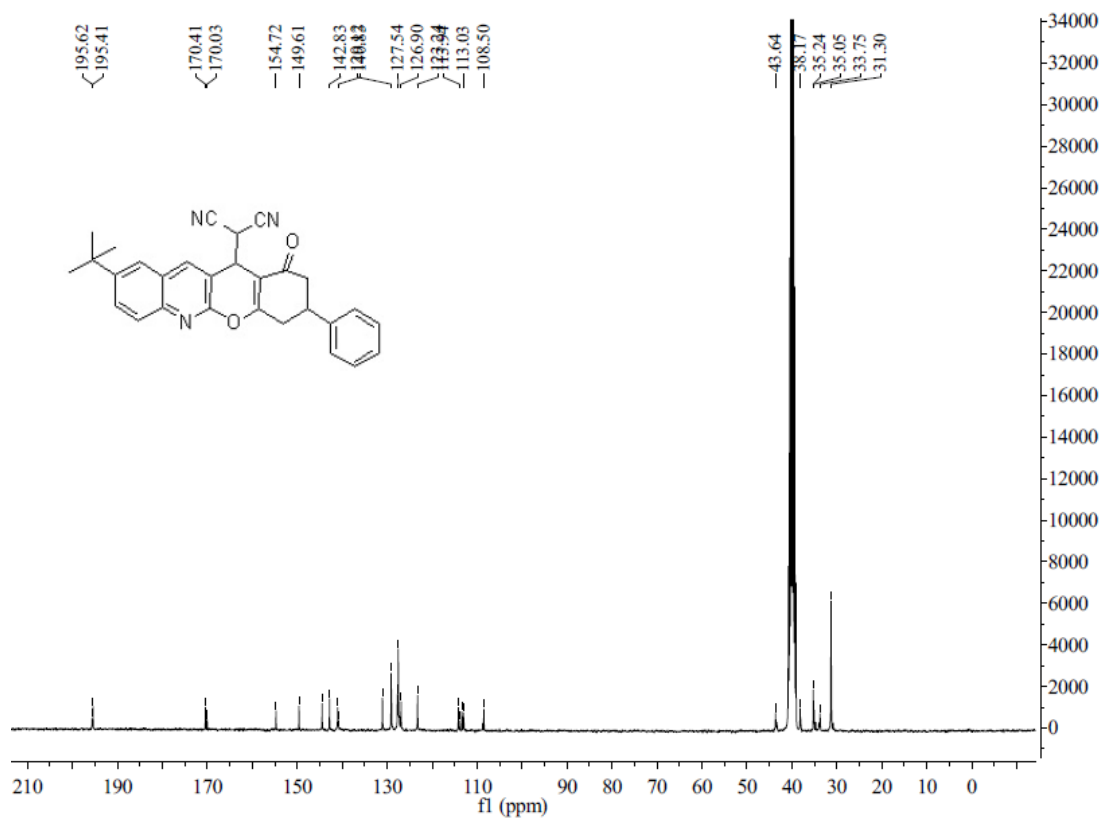
<sup>13</sup>C NMR of compound **4i**



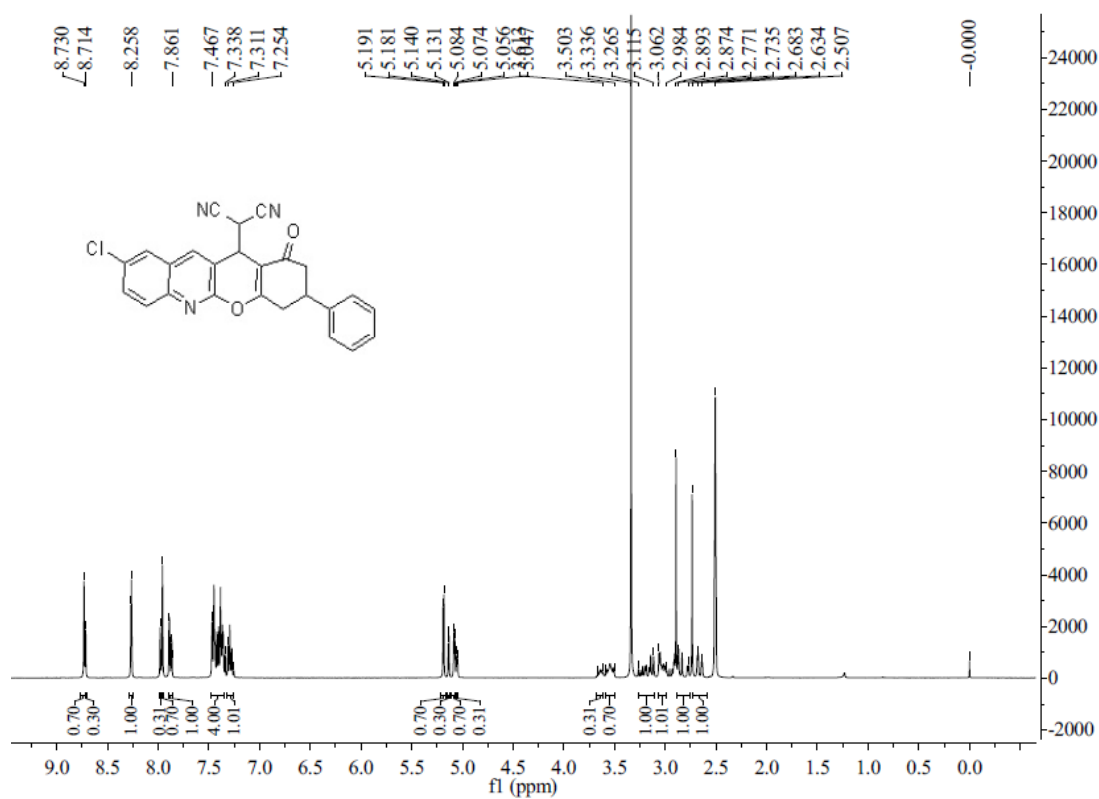
<sup>1</sup>H NMR of compound **4j**



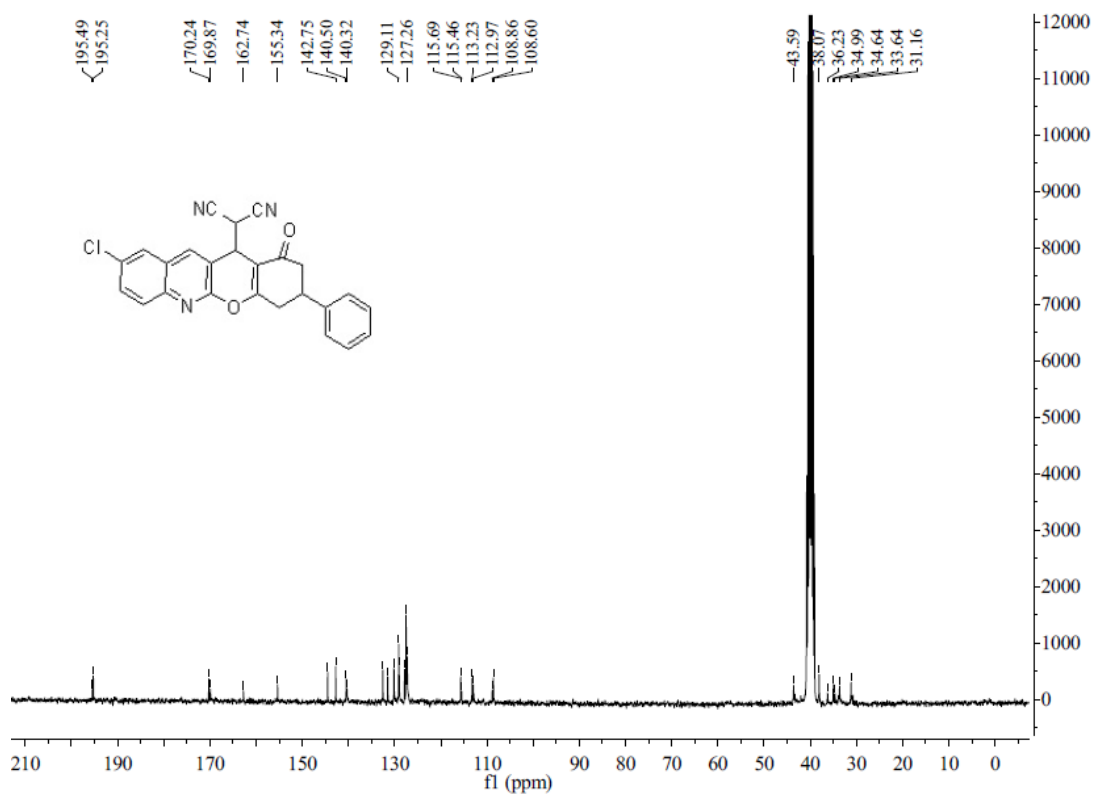
<sup>13</sup>C NMR of compound **4j**



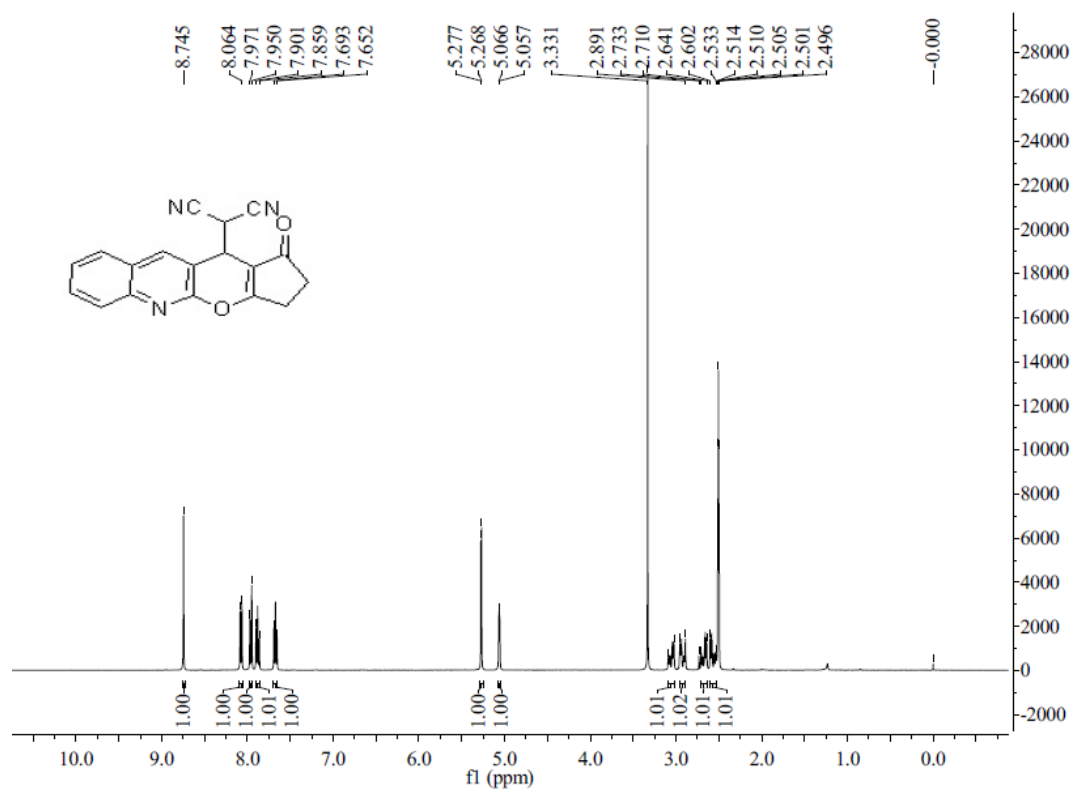
<sup>1</sup>H NMR of compound **4k**



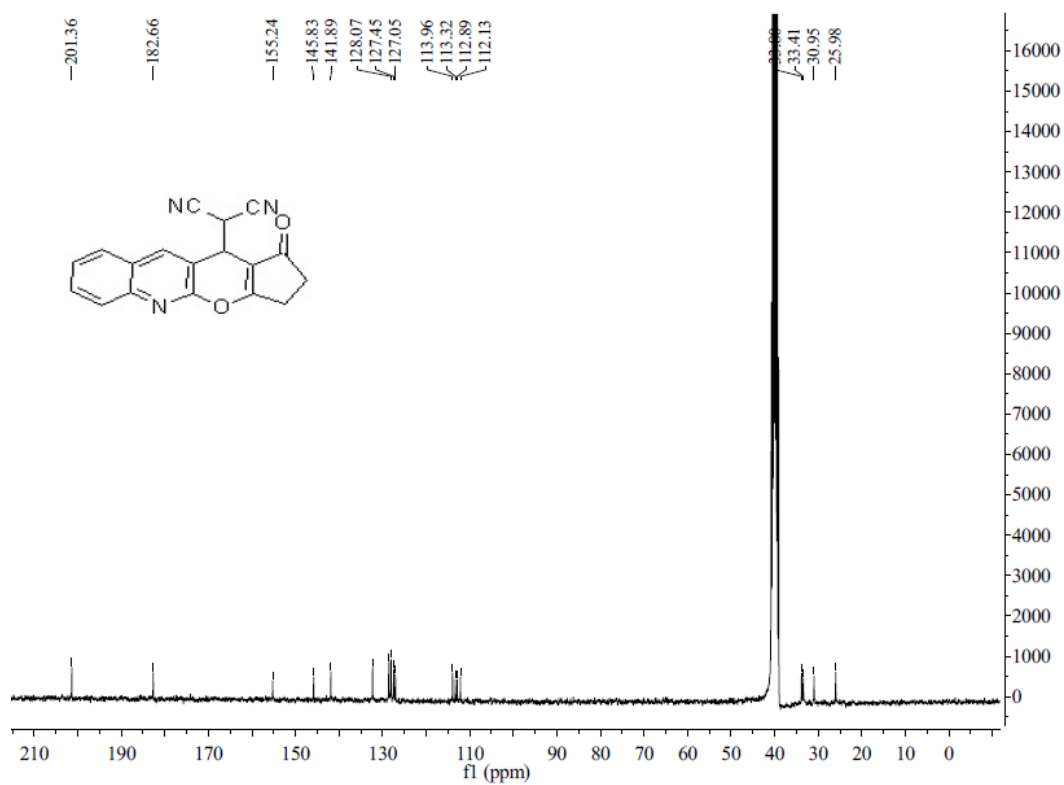
<sup>13</sup>C NMR of compound **4k**



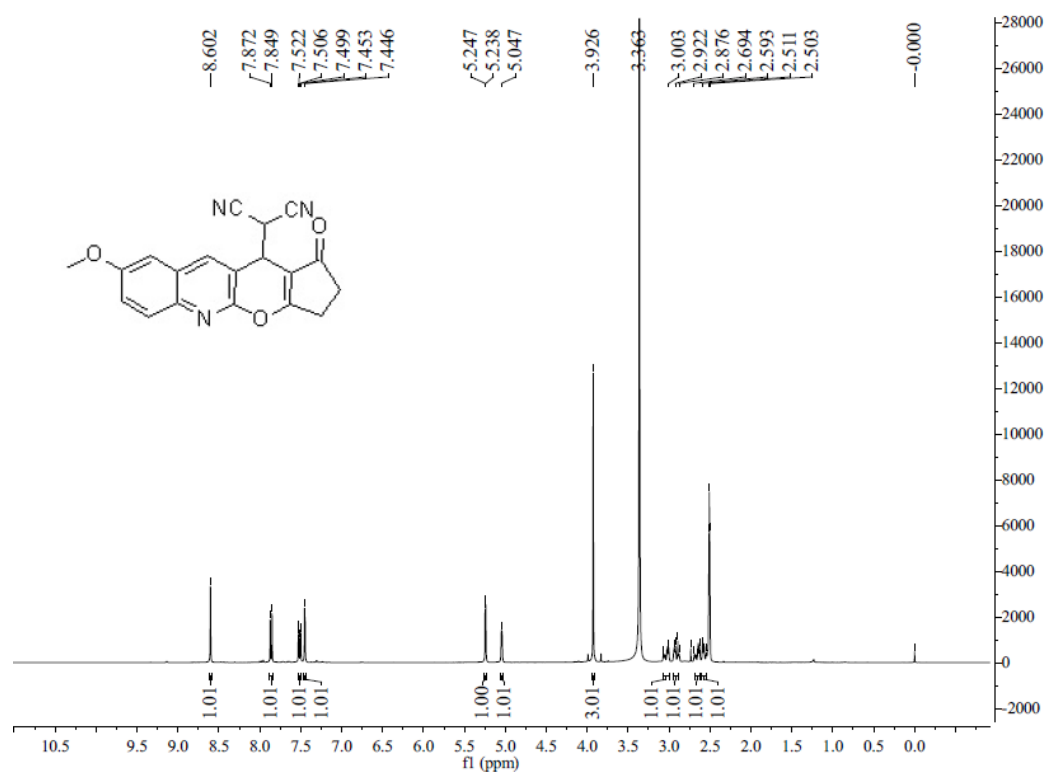
<sup>1</sup>H NMR of compound **41**



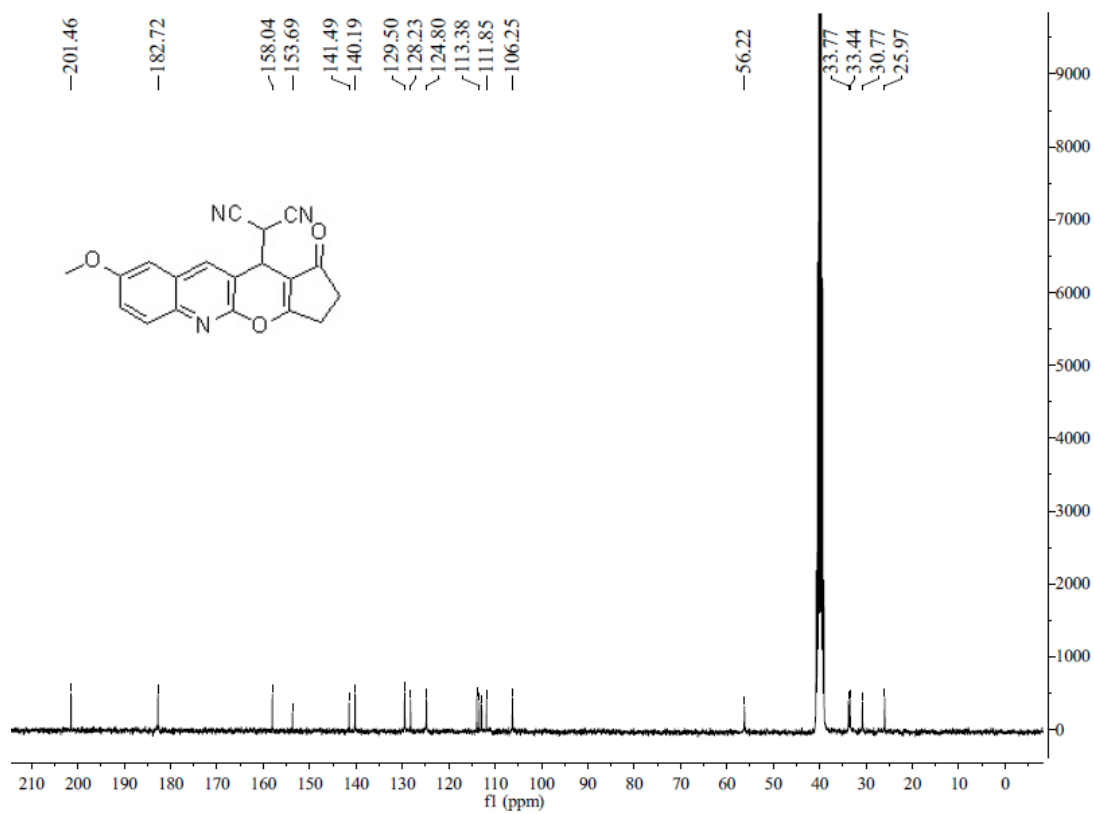
<sup>13</sup>C NMR of compound **41**



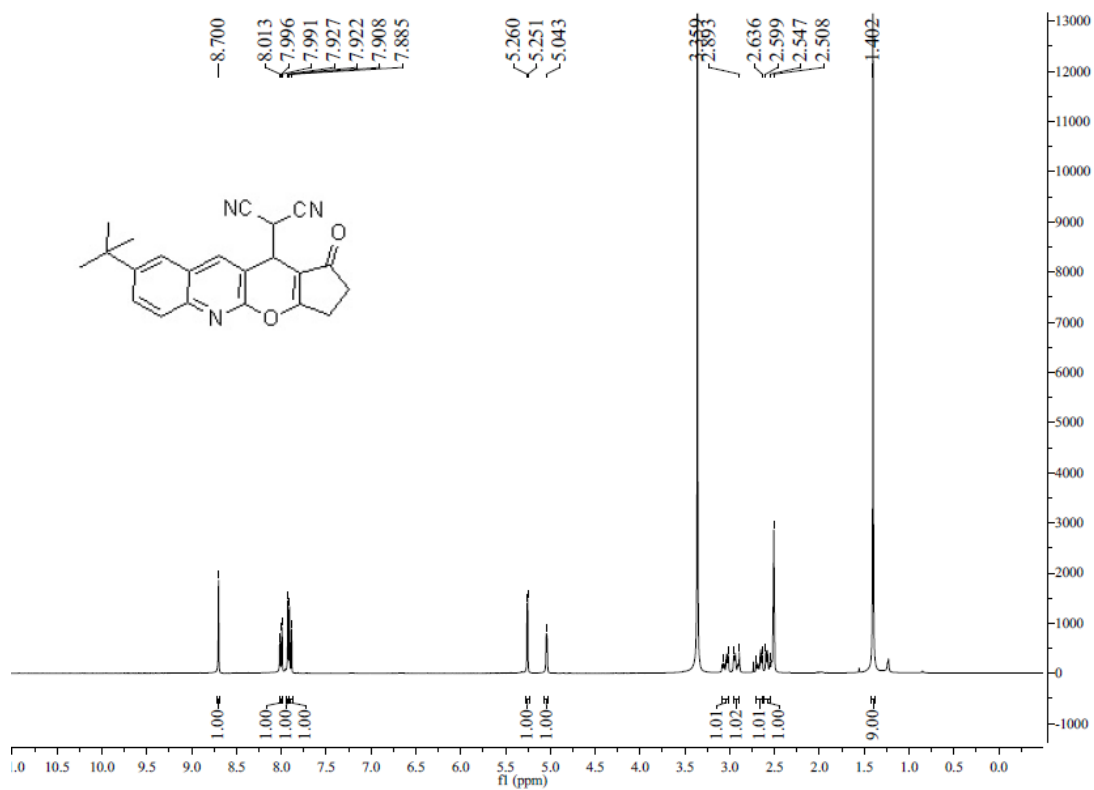
<sup>1</sup>H NMR of compound **4m**



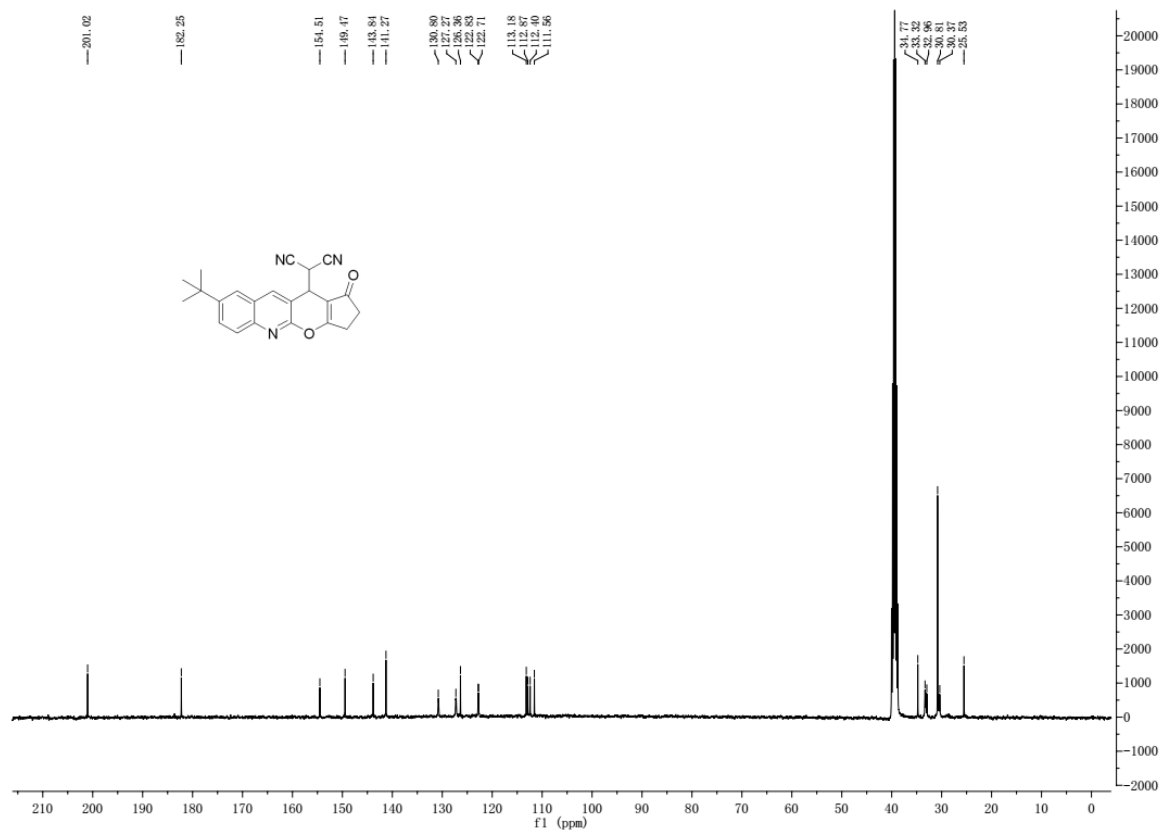
<sup>13</sup>C NMR of compound **4m**



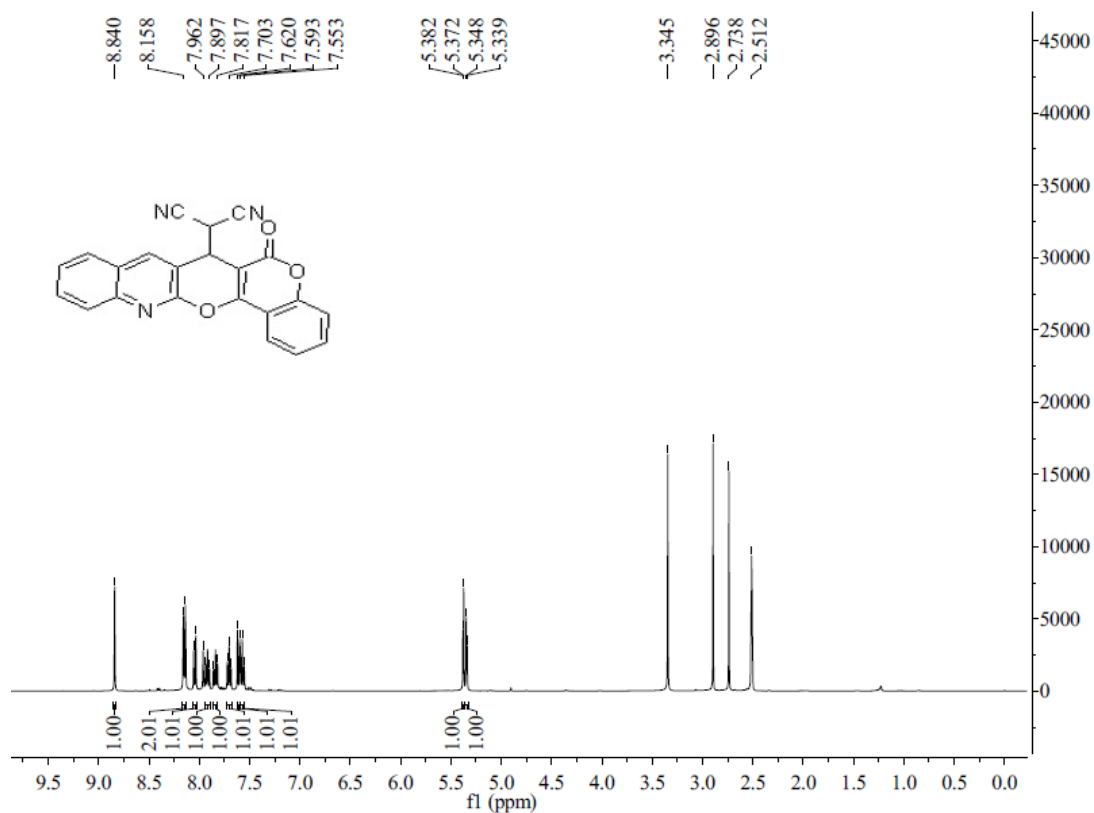
<sup>13</sup>C NMR of compound **4n**



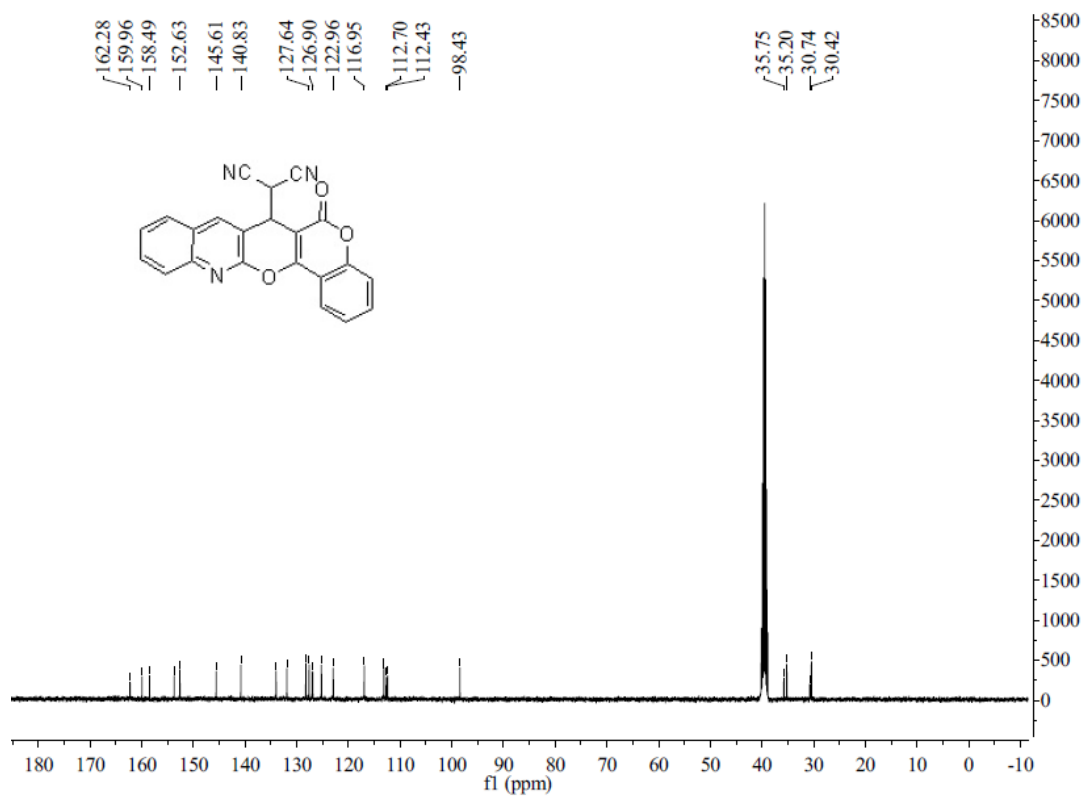
<sup>13</sup>C NMR of compound **4n**



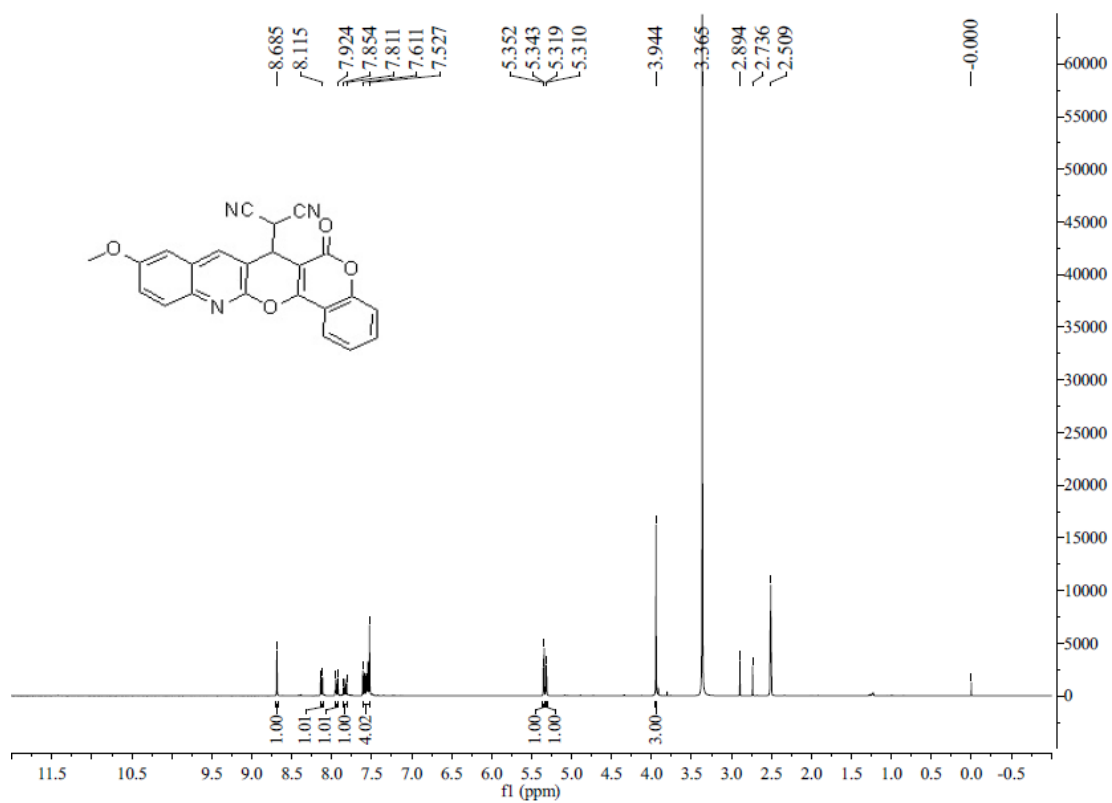
<sup>1</sup>H NMR of compound **4o**



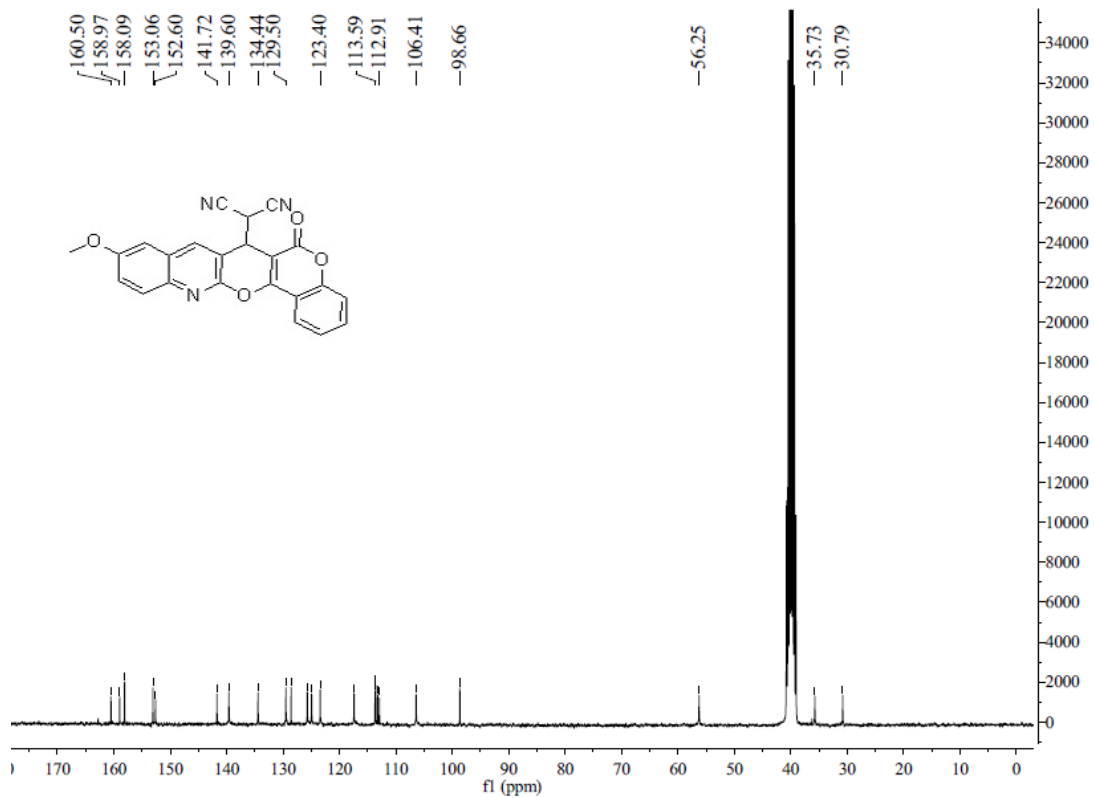
<sup>13</sup>C NMR of compound **4o**



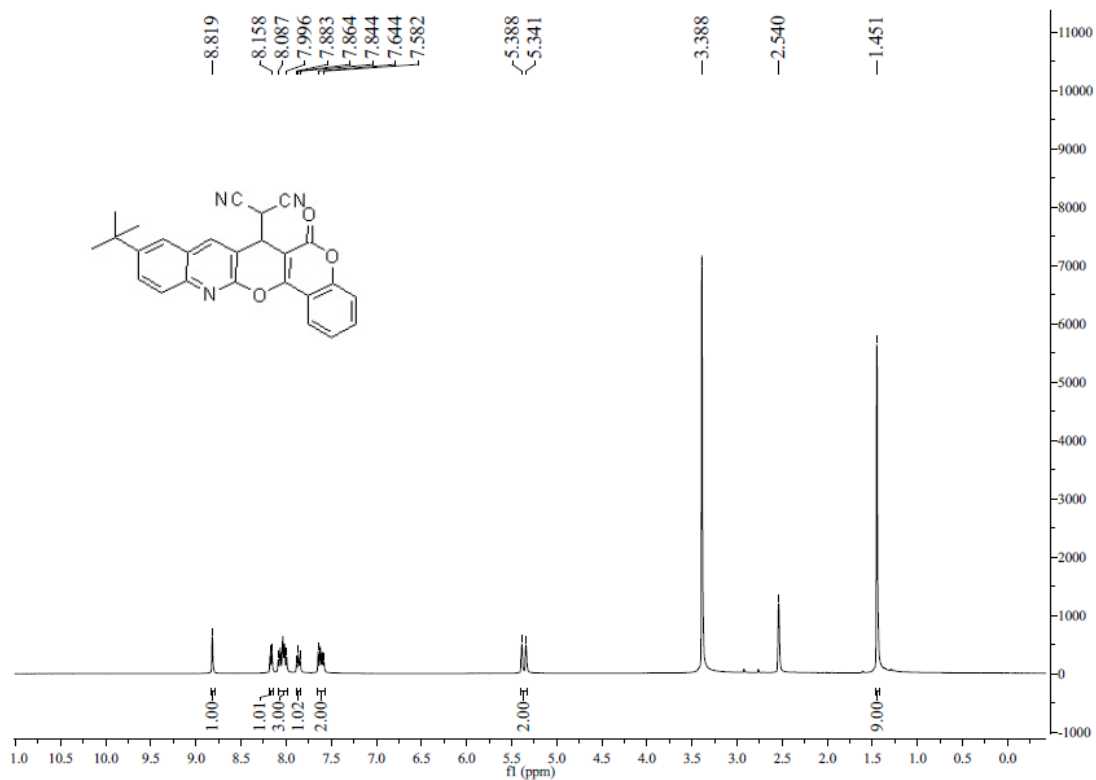
<sup>1</sup>H NMR of compound **4p**



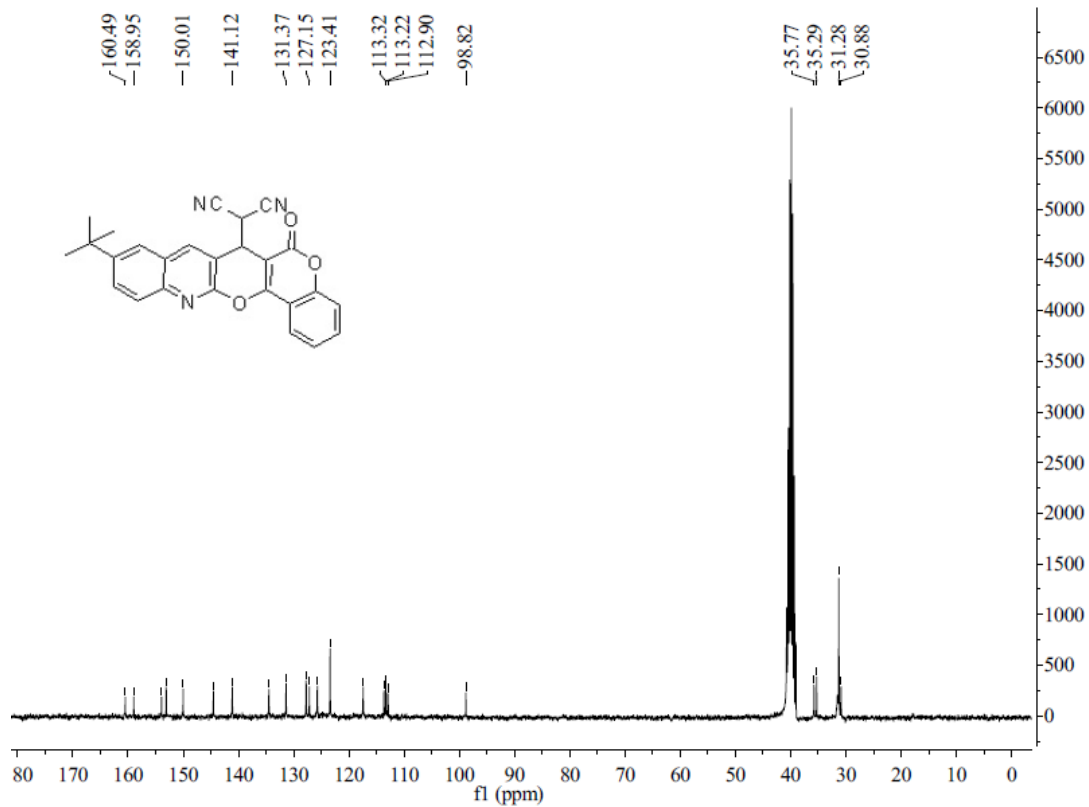
<sup>13</sup>C NMR of compound **4p**



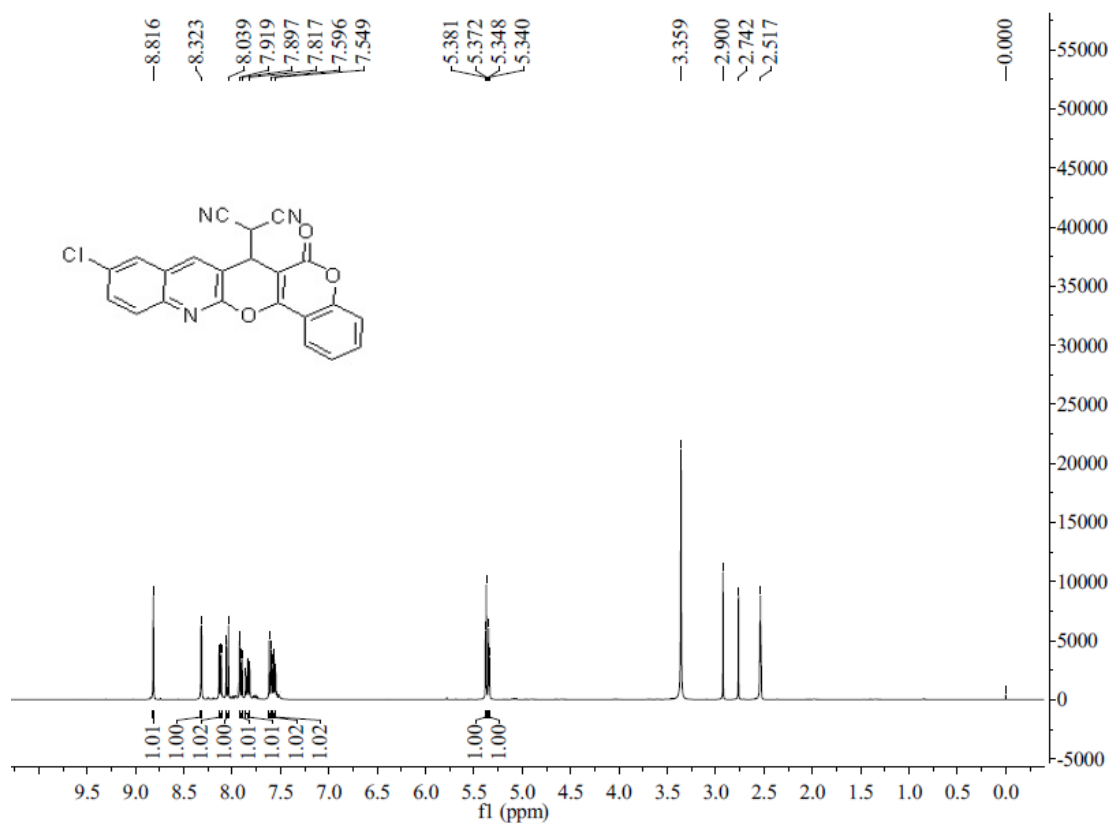
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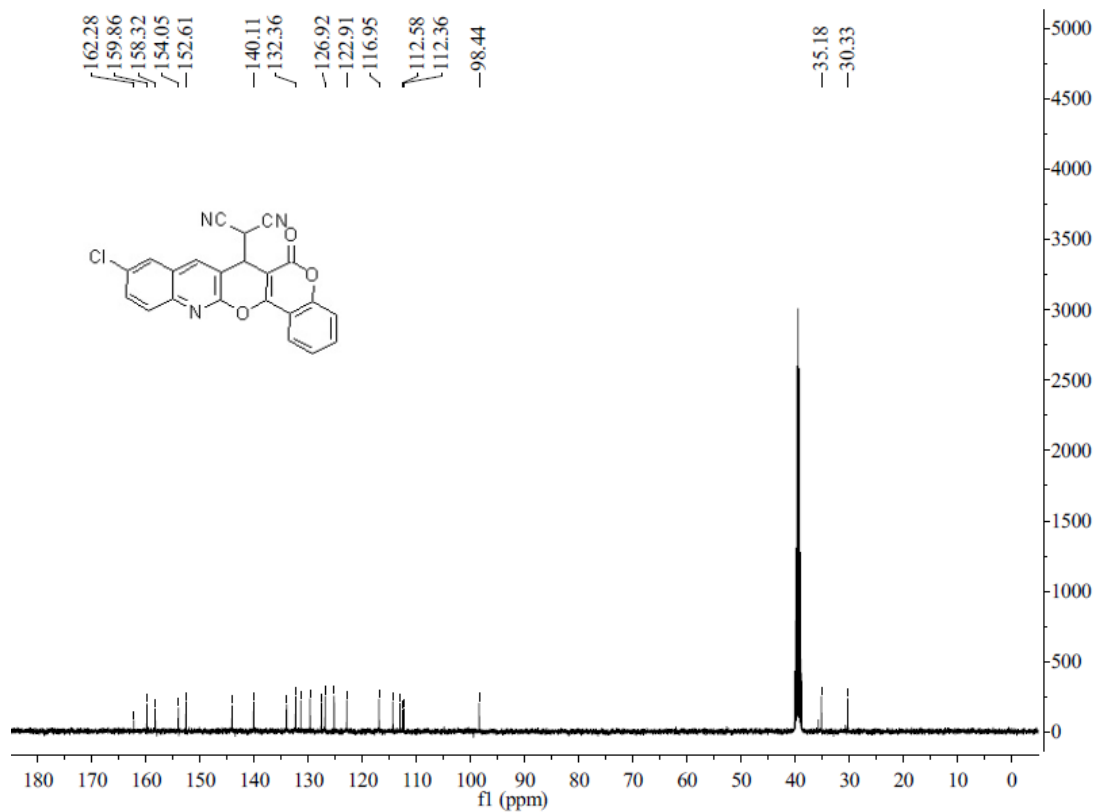
<sup>13</sup>C NMR of compound **4q**



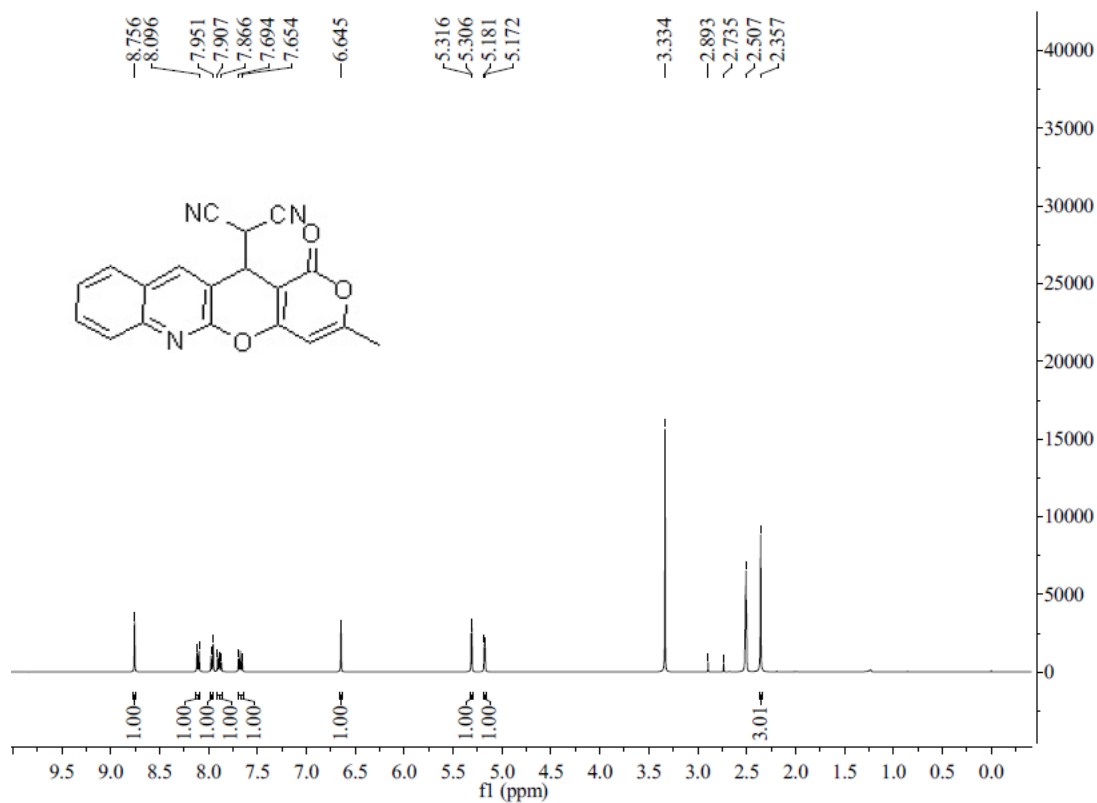
<sup>1</sup>H NMR of compound **4r**



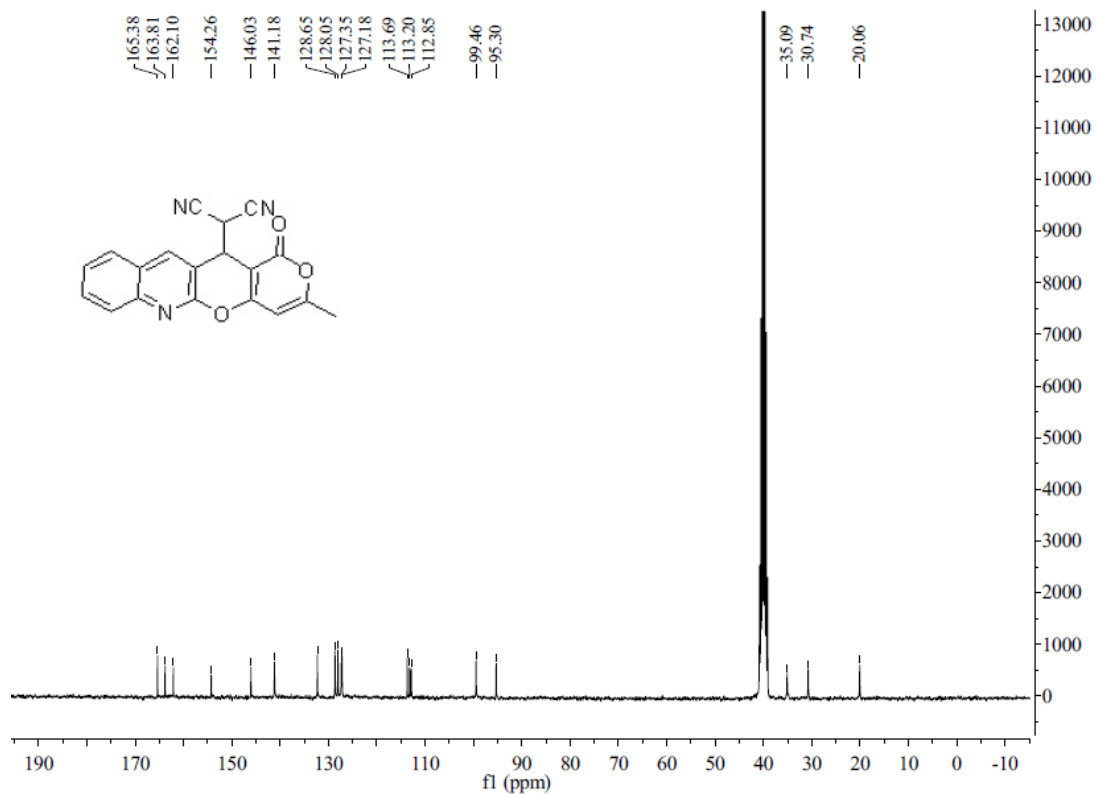
<sup>13</sup>C NMR of compound **4r**



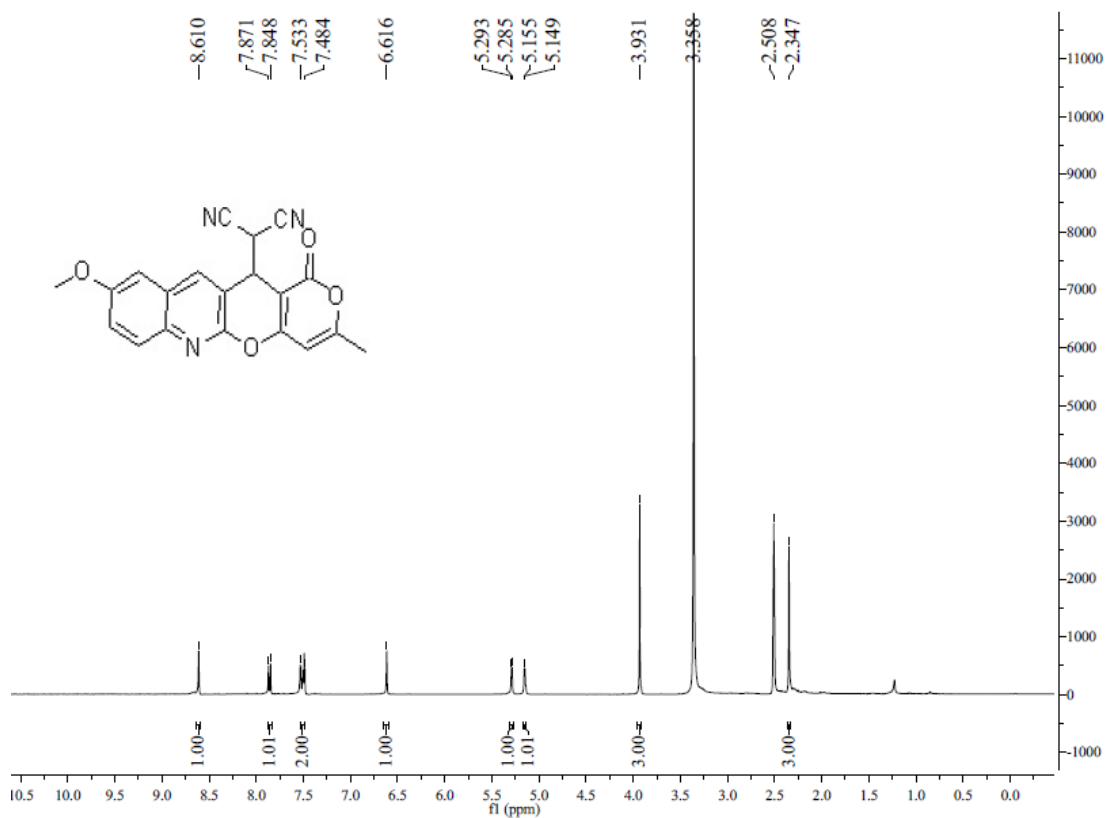
<sup>1</sup>H NMR of compound **4s**



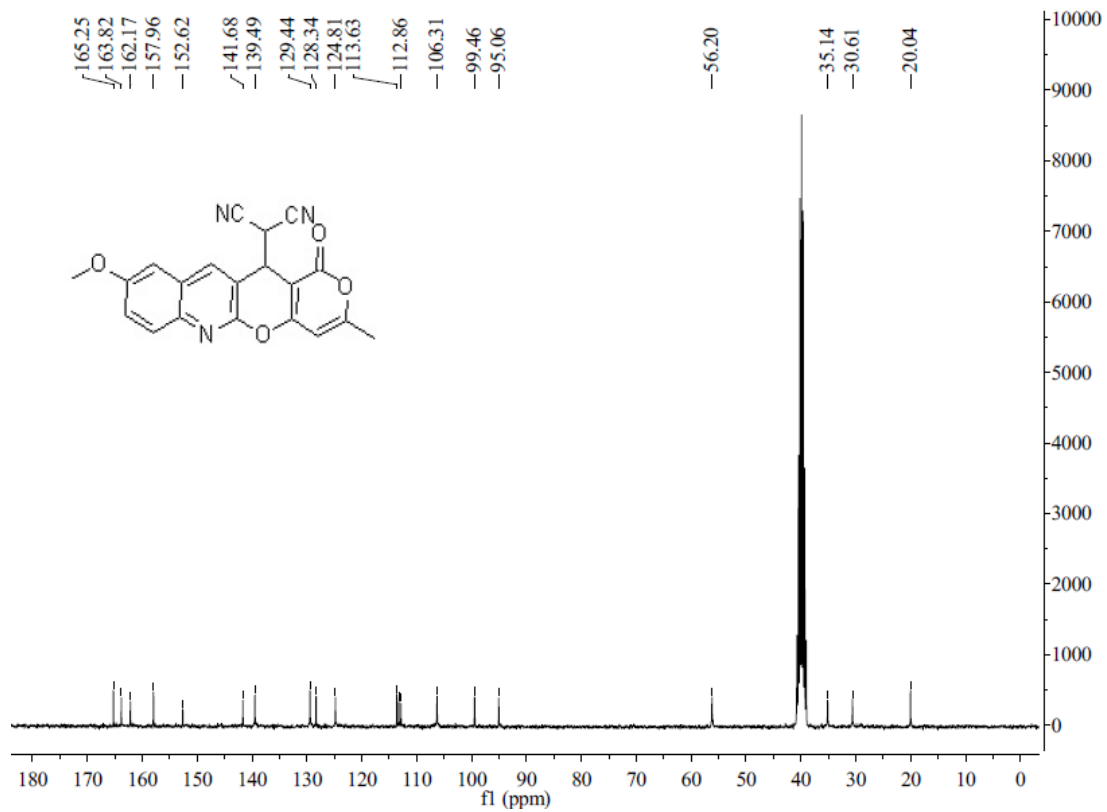
<sup>13</sup>C NMR of compound **4s**



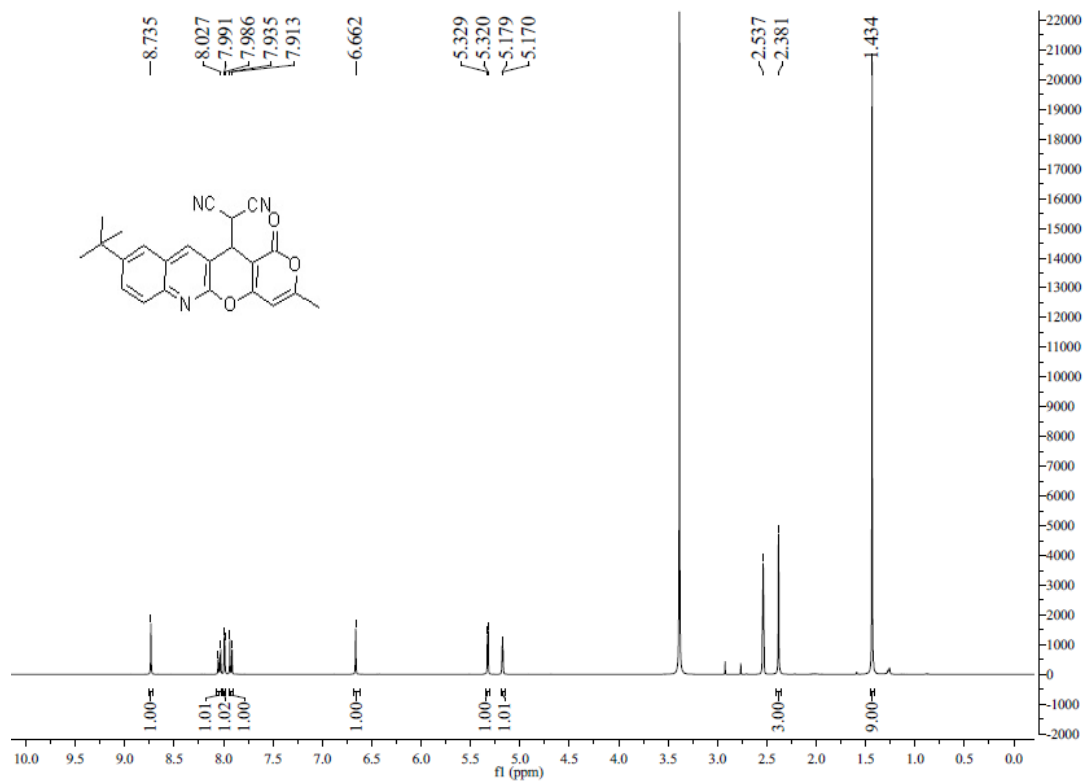
<sup>1</sup>H NMR of compound **4t**



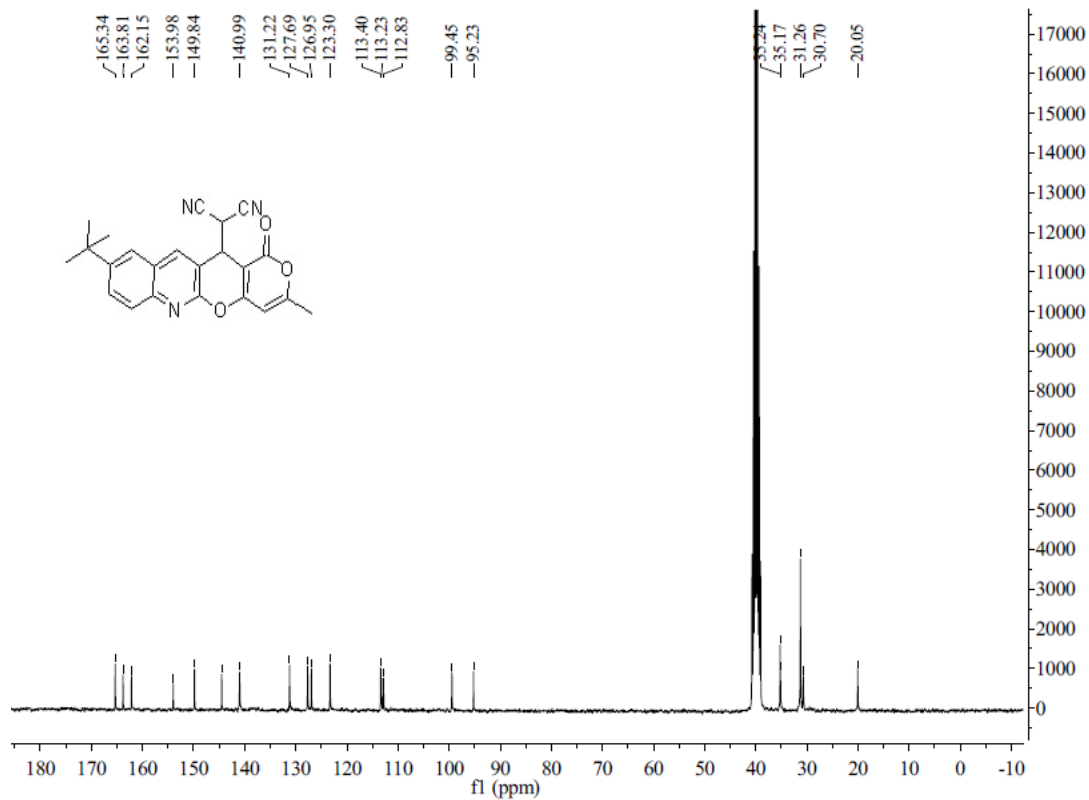
<sup>13</sup>C NMR of compound **4t**



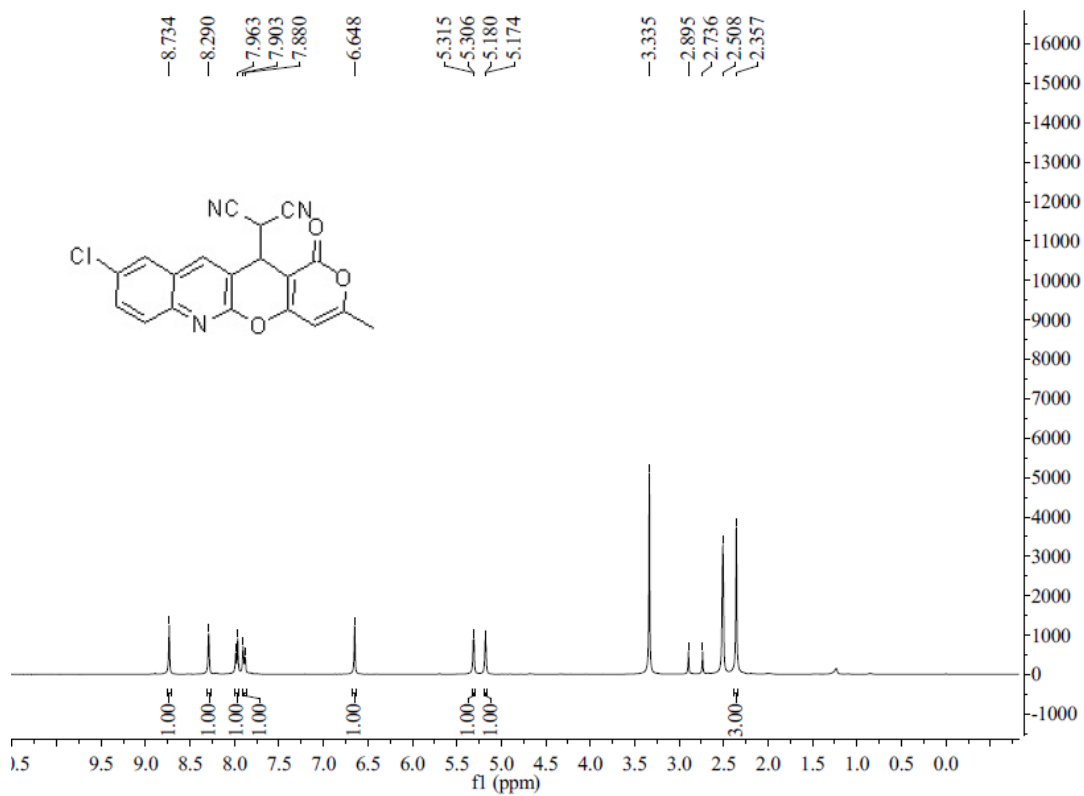
<sup>1</sup>H NMR of compound **4u**



<sup>13</sup>C NMR of compound **4u**



<sup>1</sup>H NMR of compound **4v**



<sup>13</sup>C NMR of compound **4v**

