

## Supporting Information

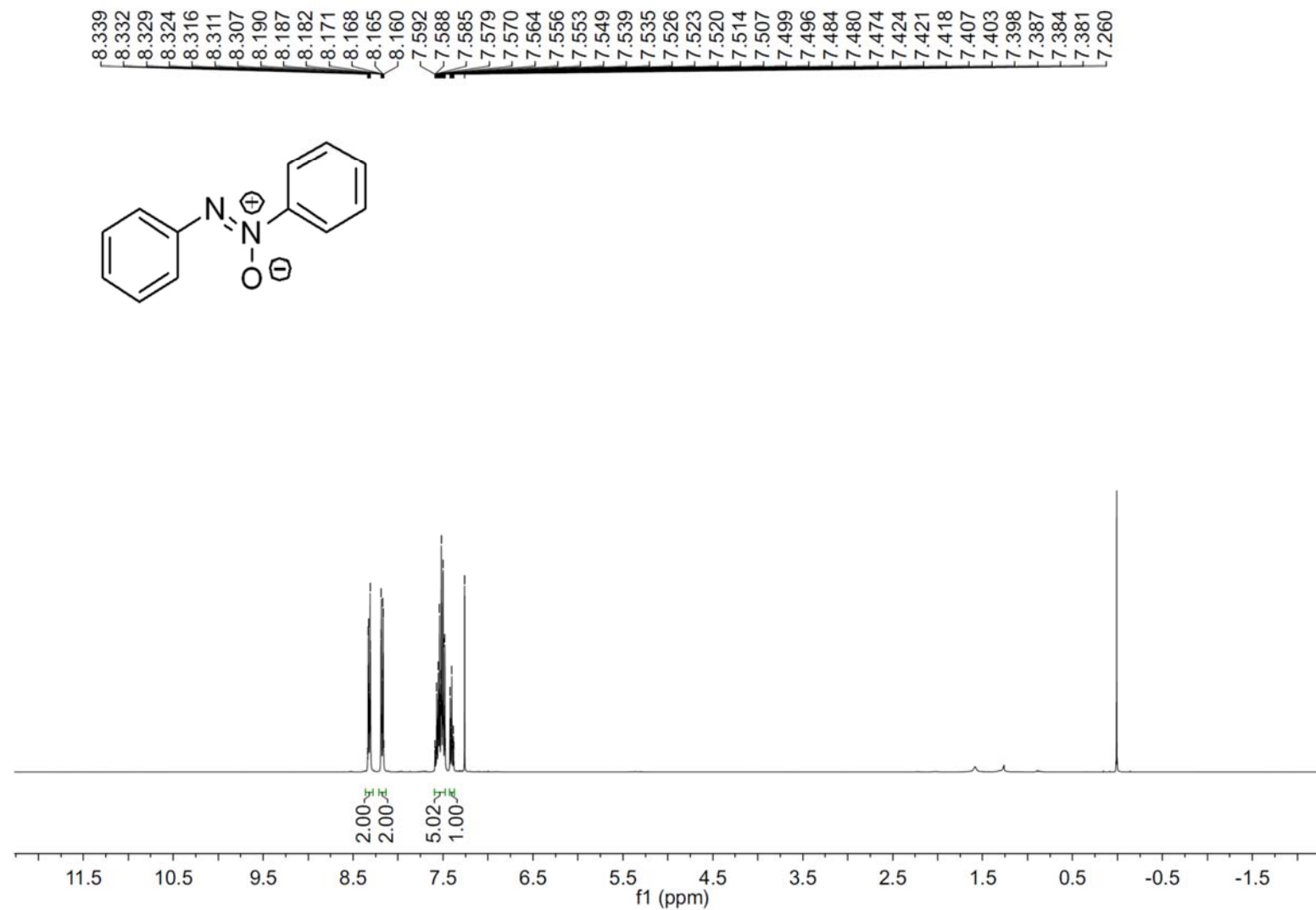
# Metal-free synthesis of triarylated (*Z*)-nitrones via H<sub>2</sub>O-mediated 1,3-dipolar transfer under aerobic conditions

Ke Chen,<sup>a</sup> Wen-Juan Hao,<sup>a</sup> Shu-Jiang Tu,<sup>\*,a</sup> and Bo Jiang<sup>\*,a</sup>

<sup>a</sup>School of Chemistry and Materials Science, Jiangsu Key Laboratory of Green Synthetic Chemistry for Functional Materials Jiangsu Normal University, Xuzhou 221116, P. R. China; email: laotu@jsnu.edu.cn (S.J.T); jiangchem@jsnu.edu.cn (B.J.)

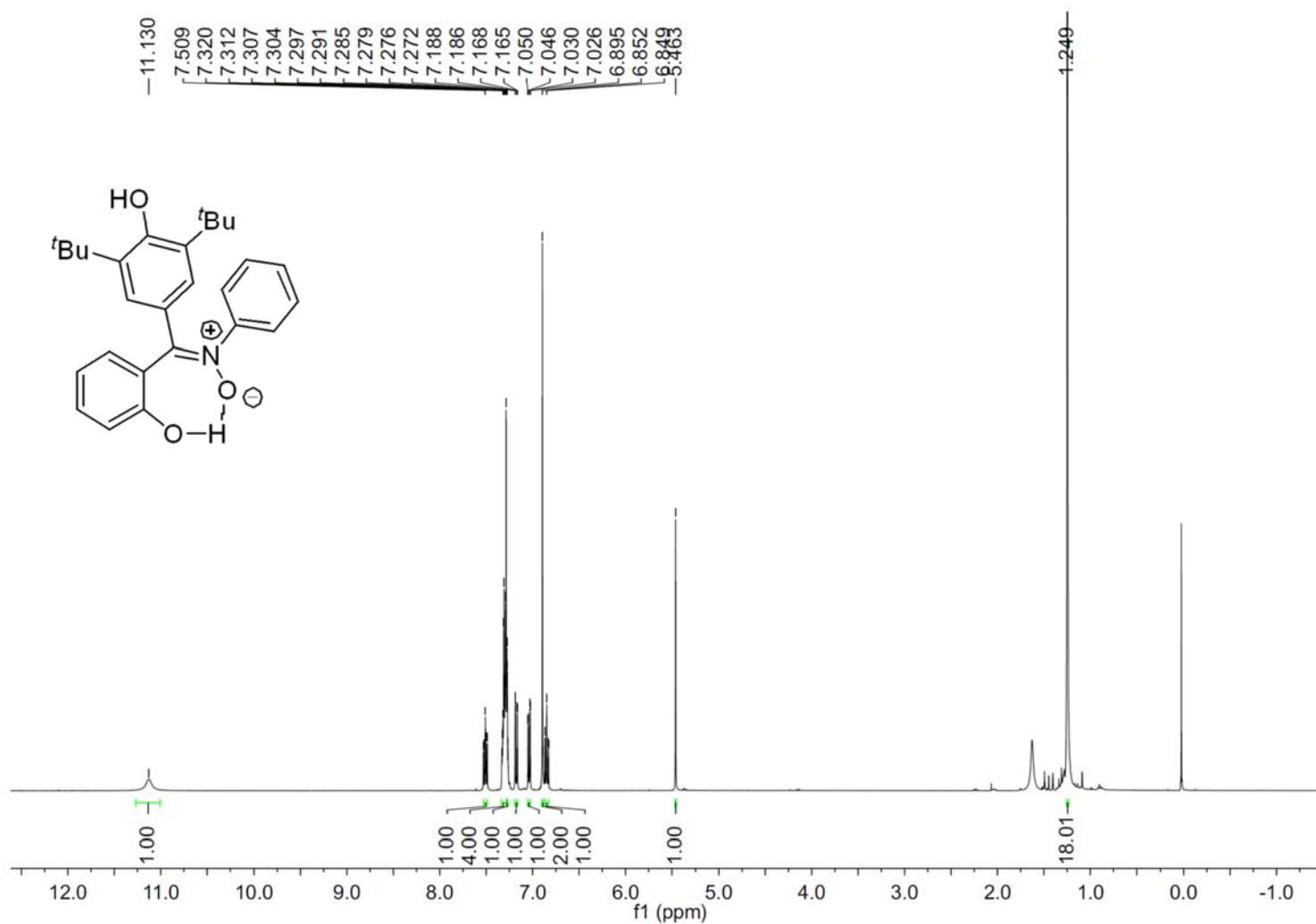
### Context

Copy of <sup>1</sup> H NMR Spectra for Byproduct <b>7</b> .....	S2
Copies of <sup>1</sup> H and <sup>13</sup> C NMR Spectra for Compounds <b>3a-3dd</b> .....	S3-S62
Copies of <sup>1</sup> H and <sup>13</sup> C NMR Spectra for Compound <b>5a</b> .....	S63-S64
Copies of <sup>1</sup> H and <sup>13</sup> C NMR Spectra for Compound <b>6a</b> .....	S65-S66

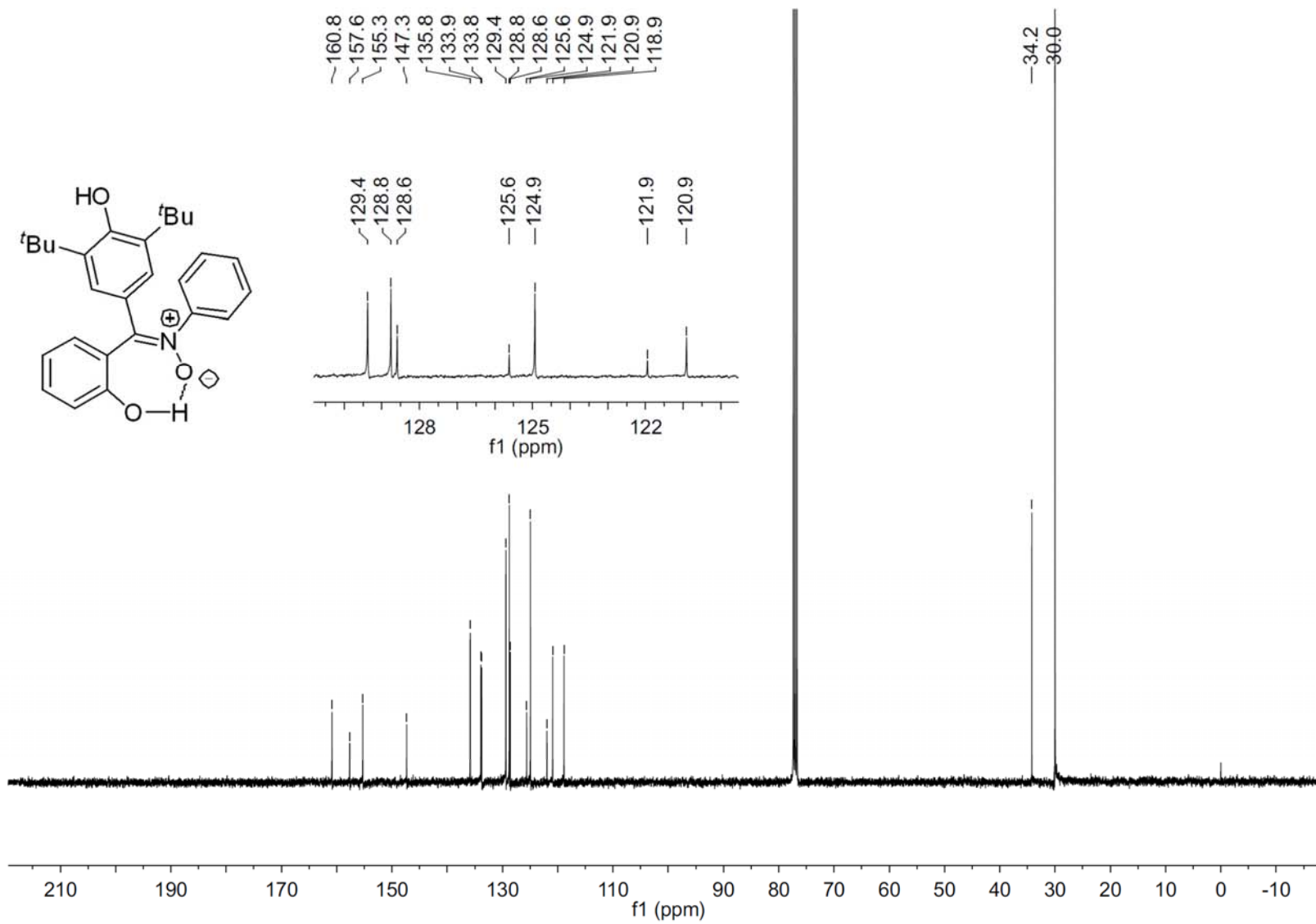


<sup>1</sup>H NMR Spectrum of Byproduct 7

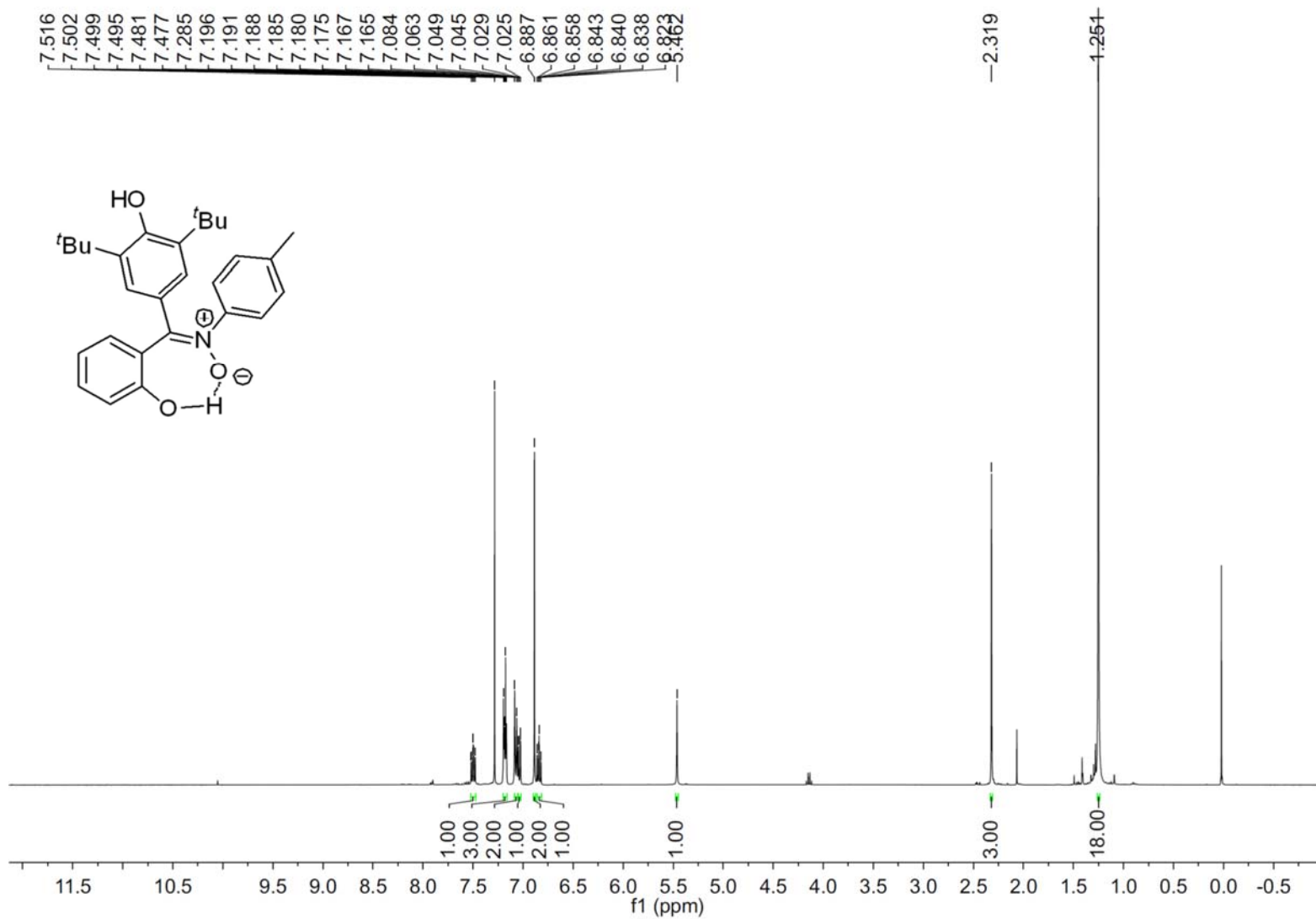
Copies of  $^1\text{H}$  NMR and  $^{13}\text{C}$  NMR Spectrum of Compound 3



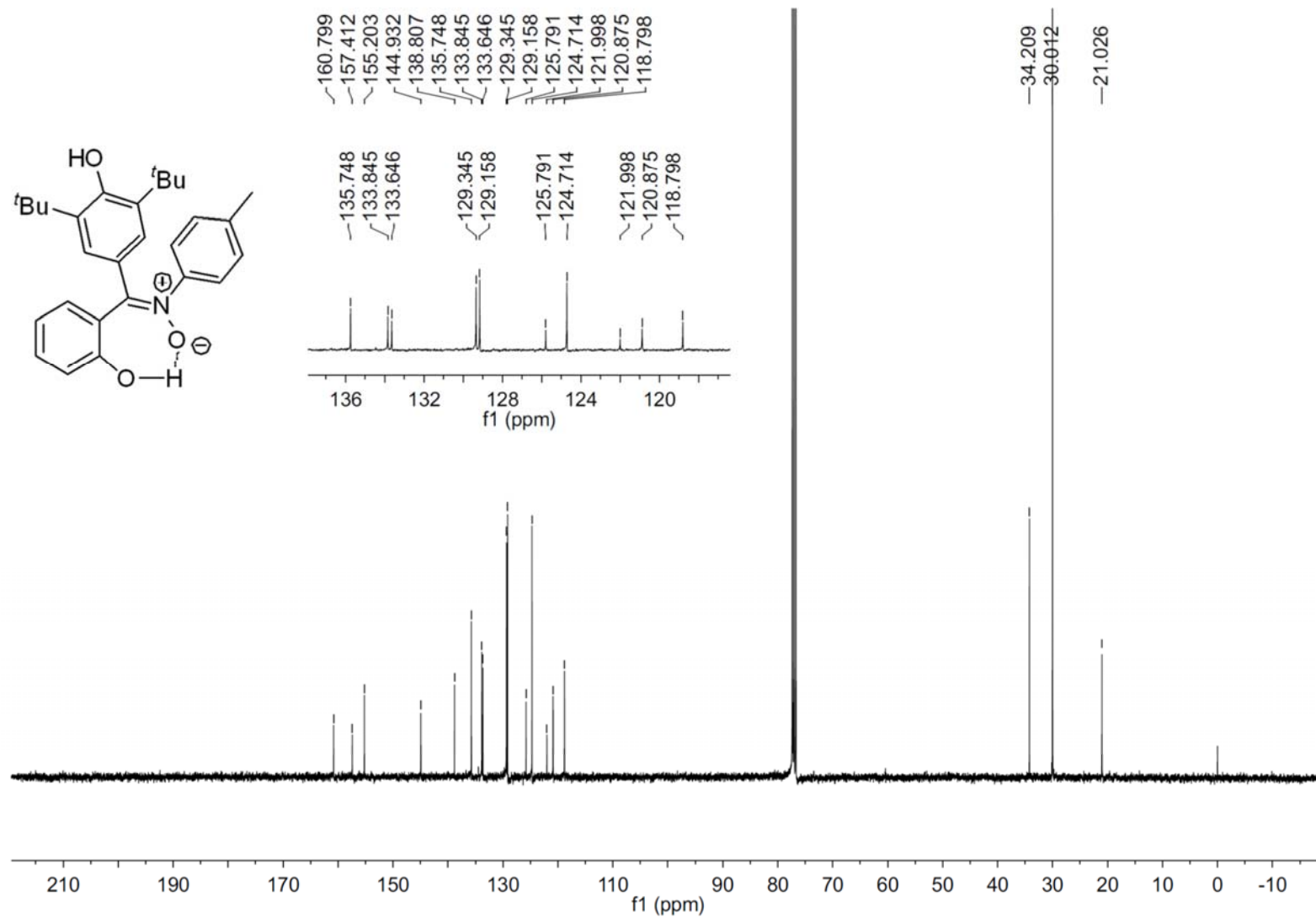
$^1\text{H}$  NMR Spectrum of Compound 3a



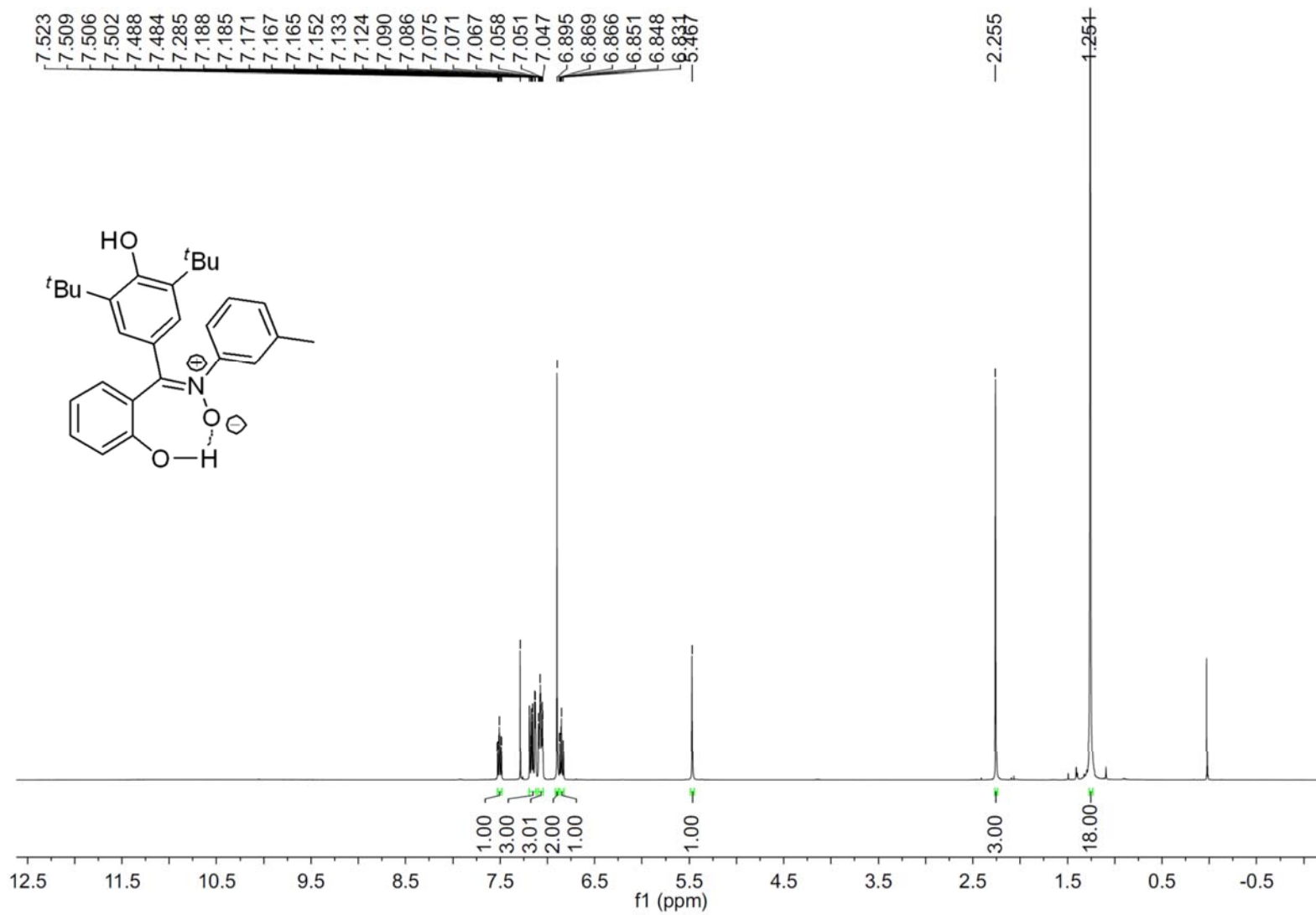
$^{13}\text{C}$  NMR Spectrum of Compound 3a



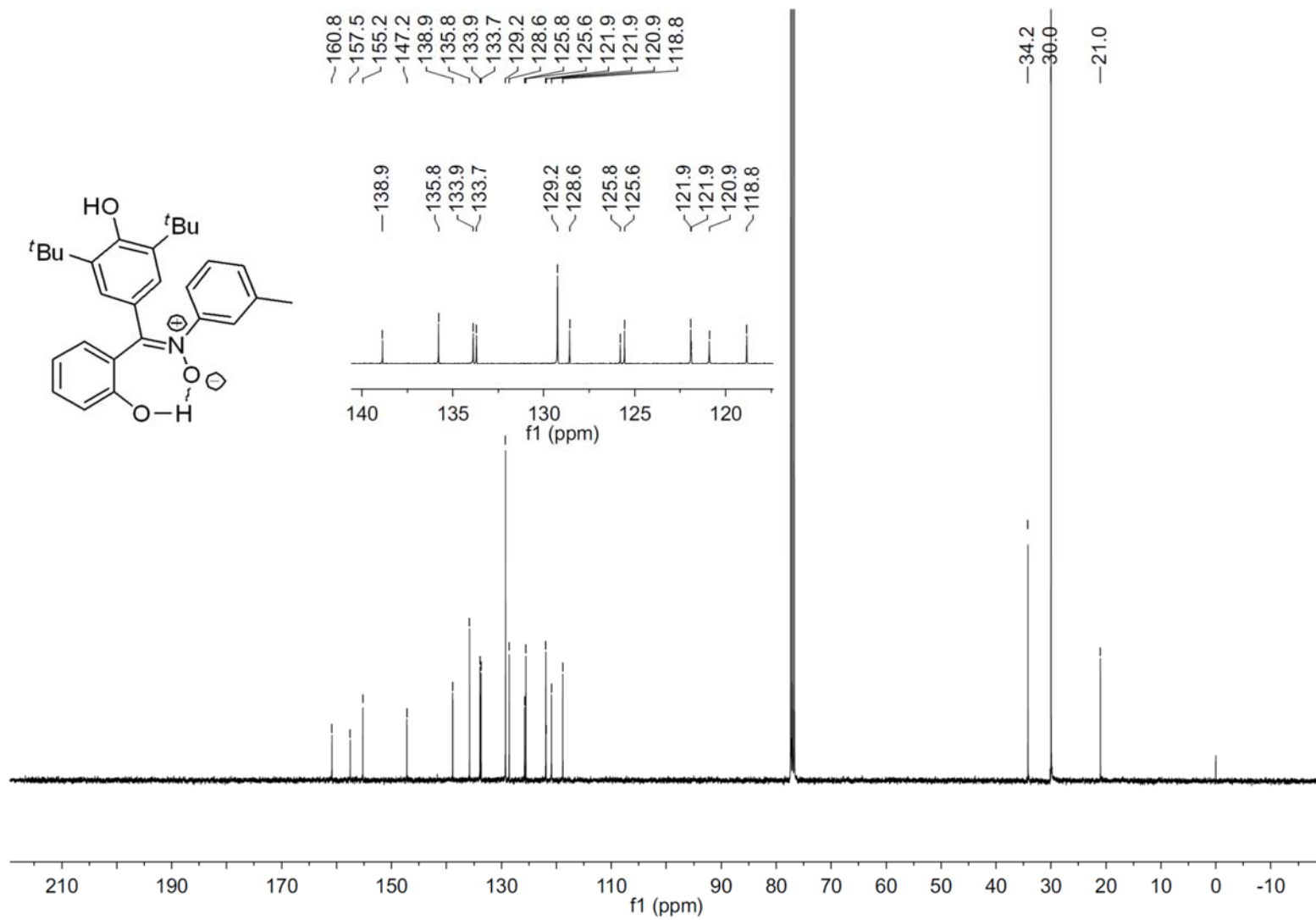
<sup>1</sup>H NMR Spectrum of Compound 3b



<sup>13</sup>C NMR Spectrum of Compound 3b

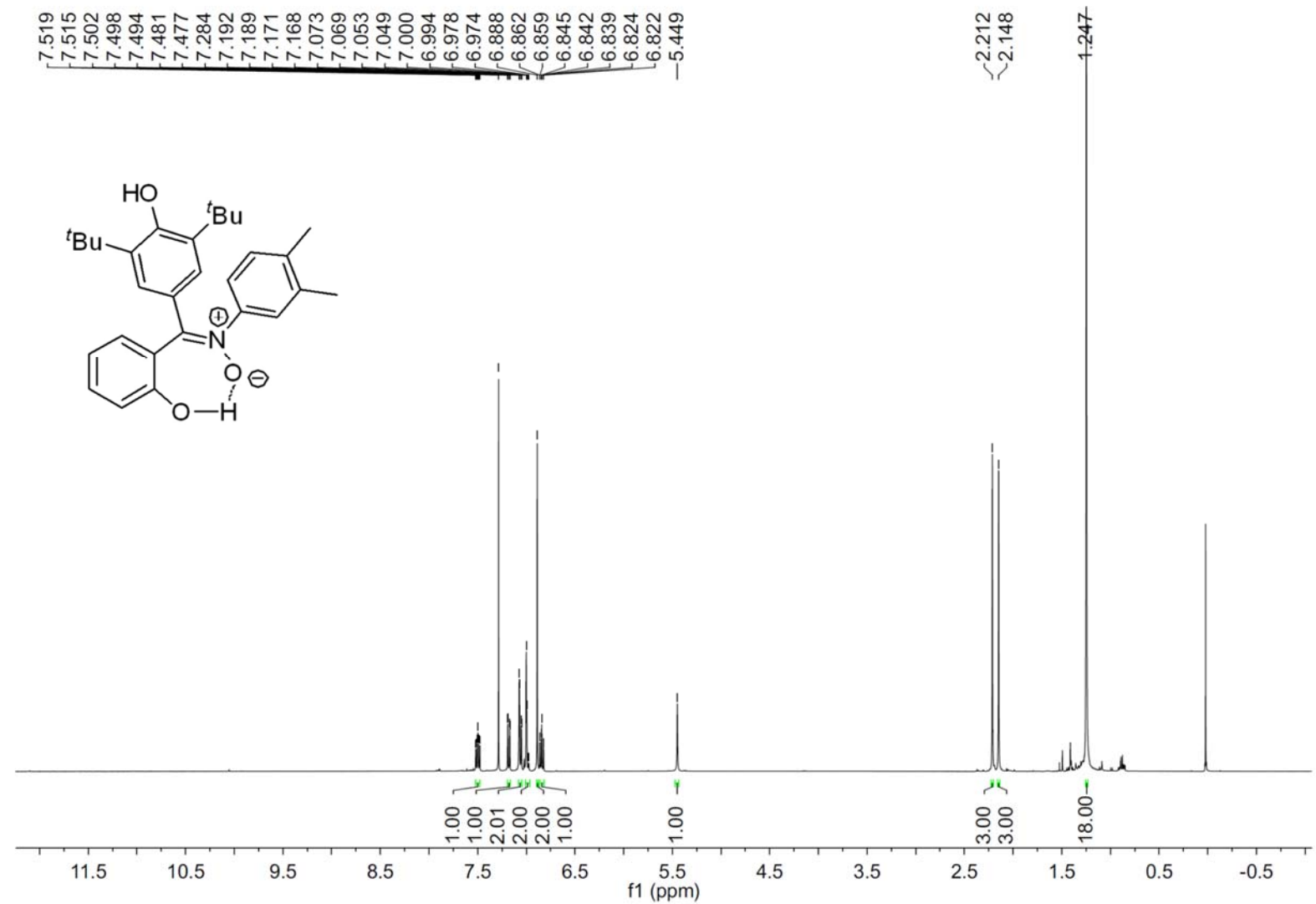


<sup>1</sup>H NMR Spectrum of Compound 3c

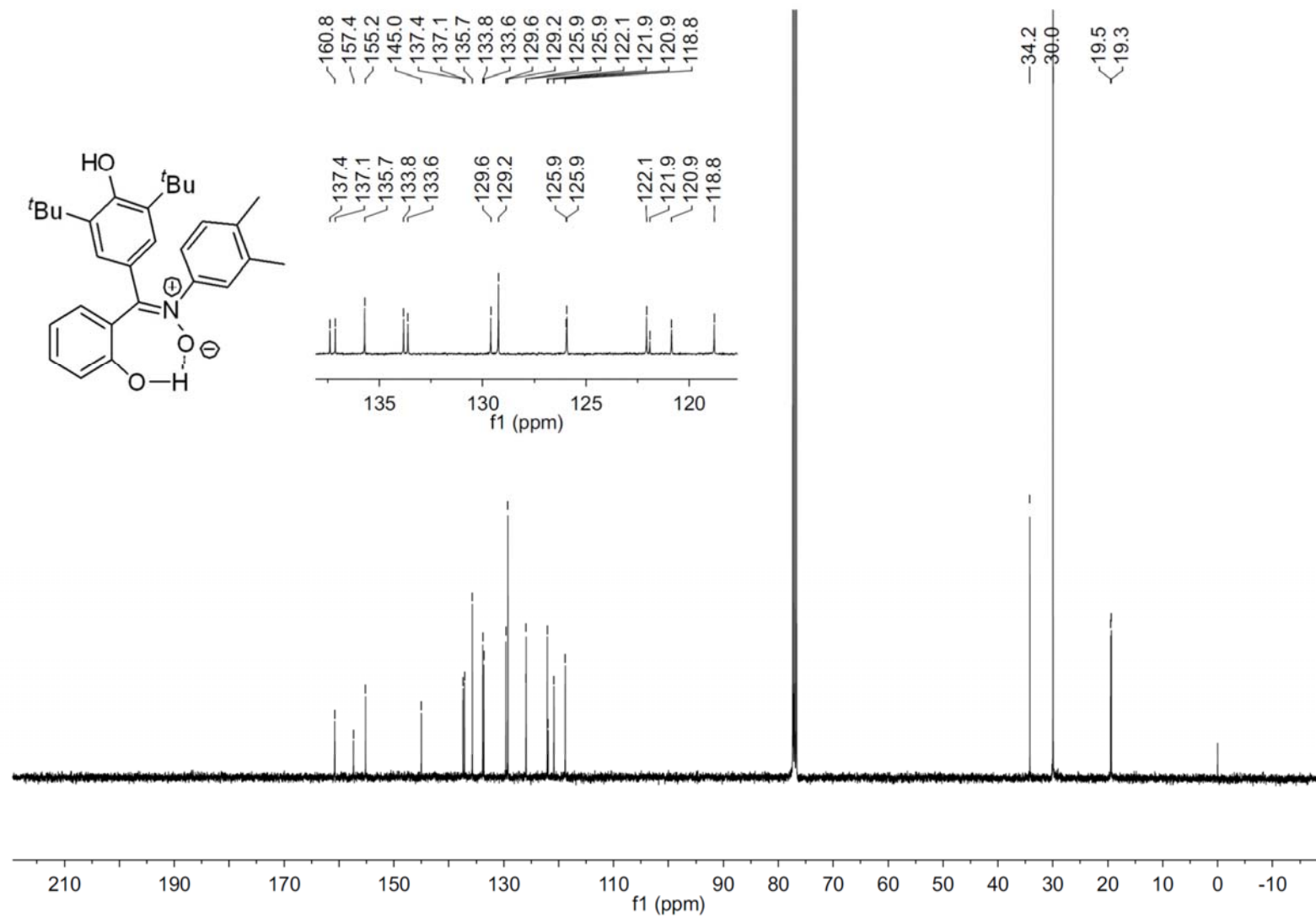


**<sup>13</sup>C NMR Spectrum of Compound 3c**

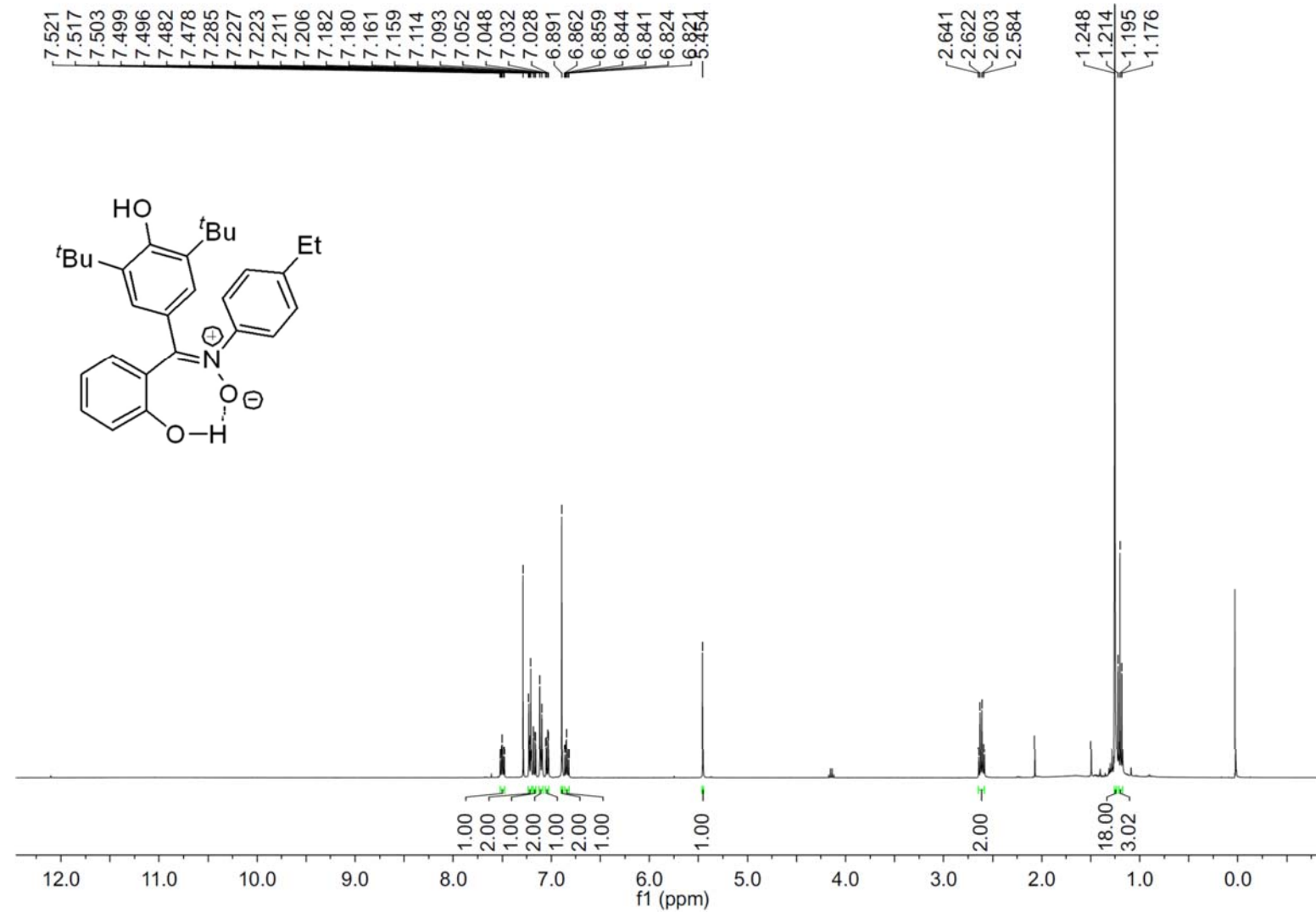




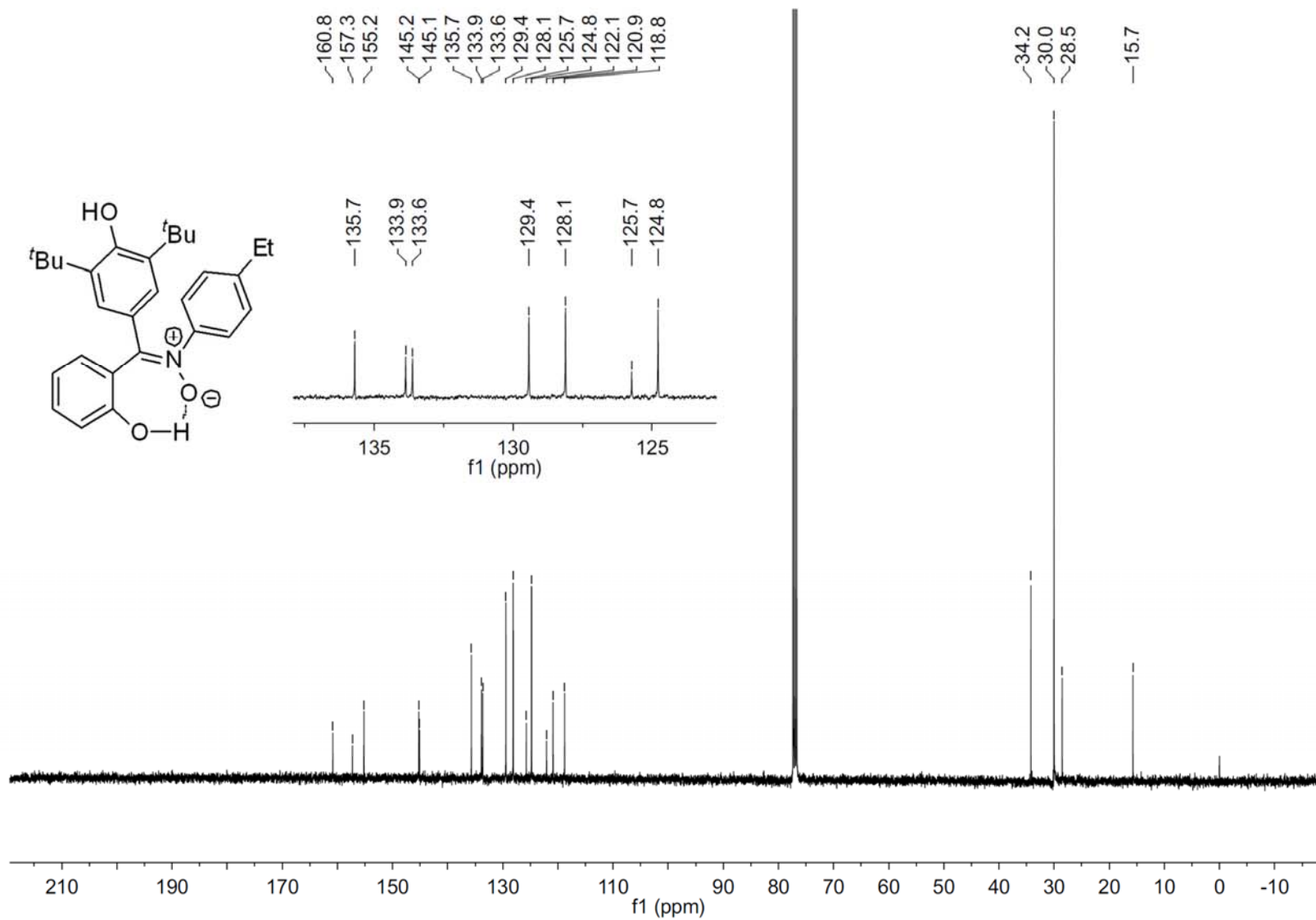
<sup>1</sup>H NMR Spectrum of Compound 3d



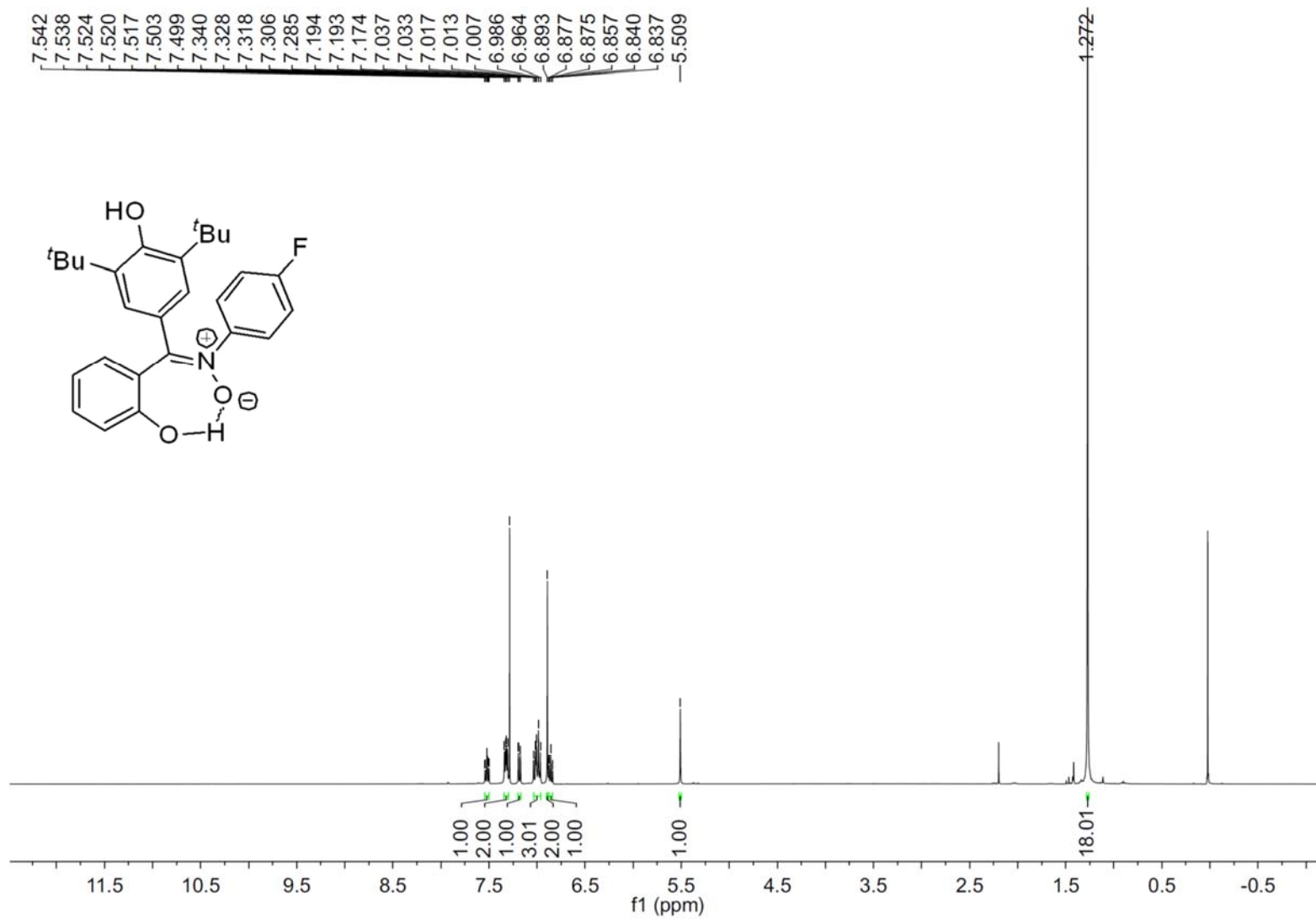
**<sup>13</sup>C NMR Spectrum of Compound 3d**



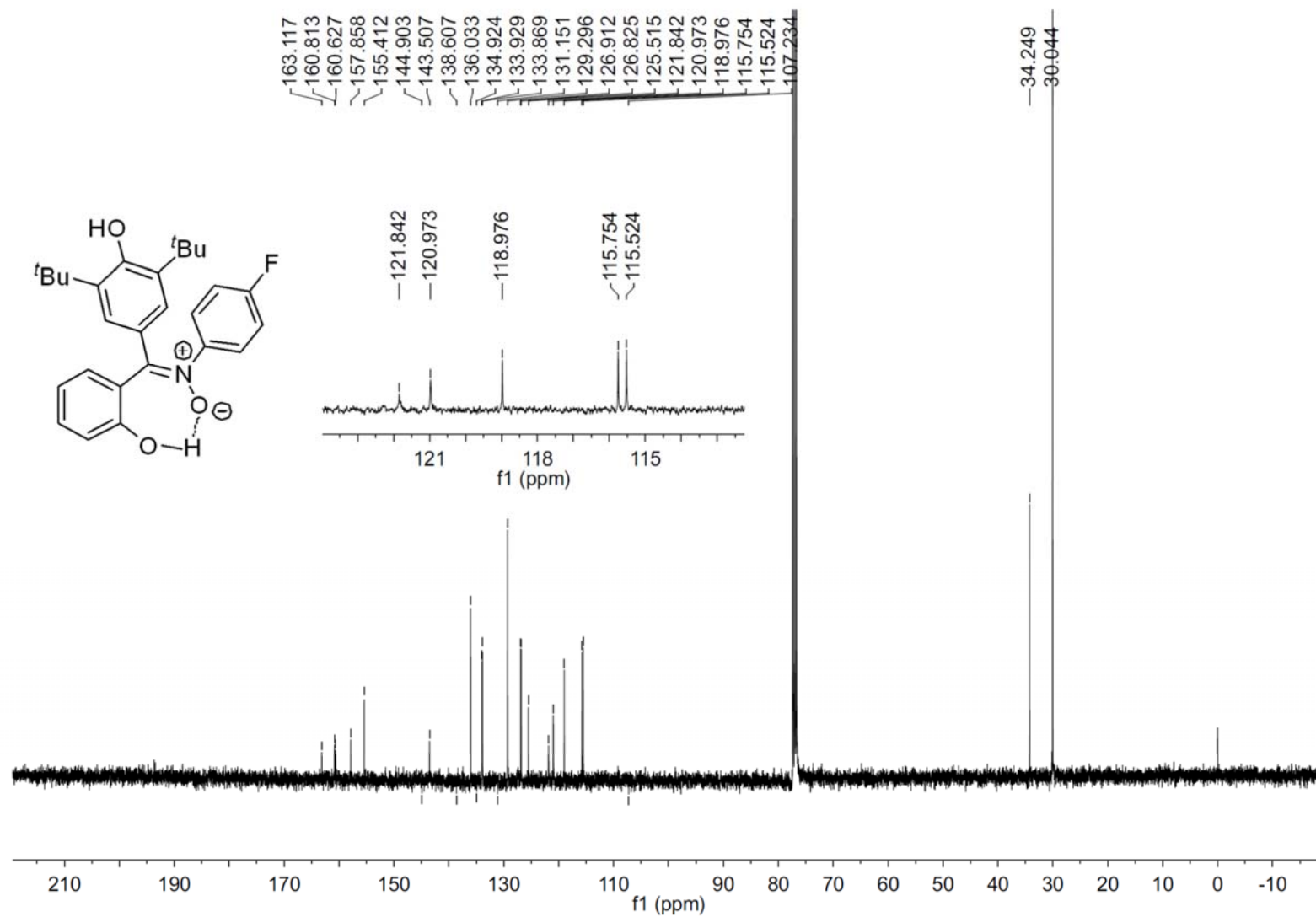
**<sup>1</sup>H NMR Spectrum of Compound 3e**



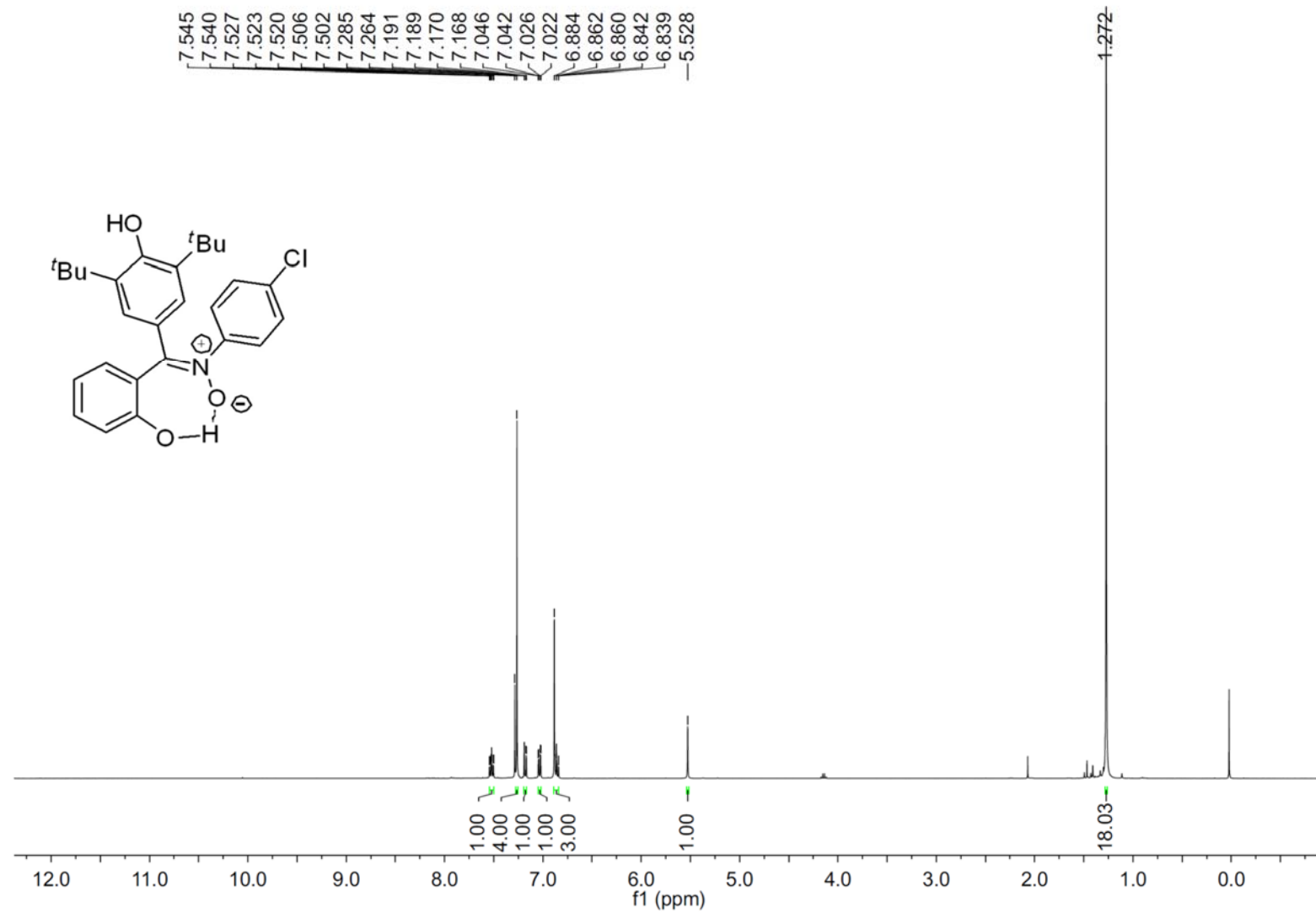
$^{13}\text{C}$  NMR Spectrum of Compound 3e



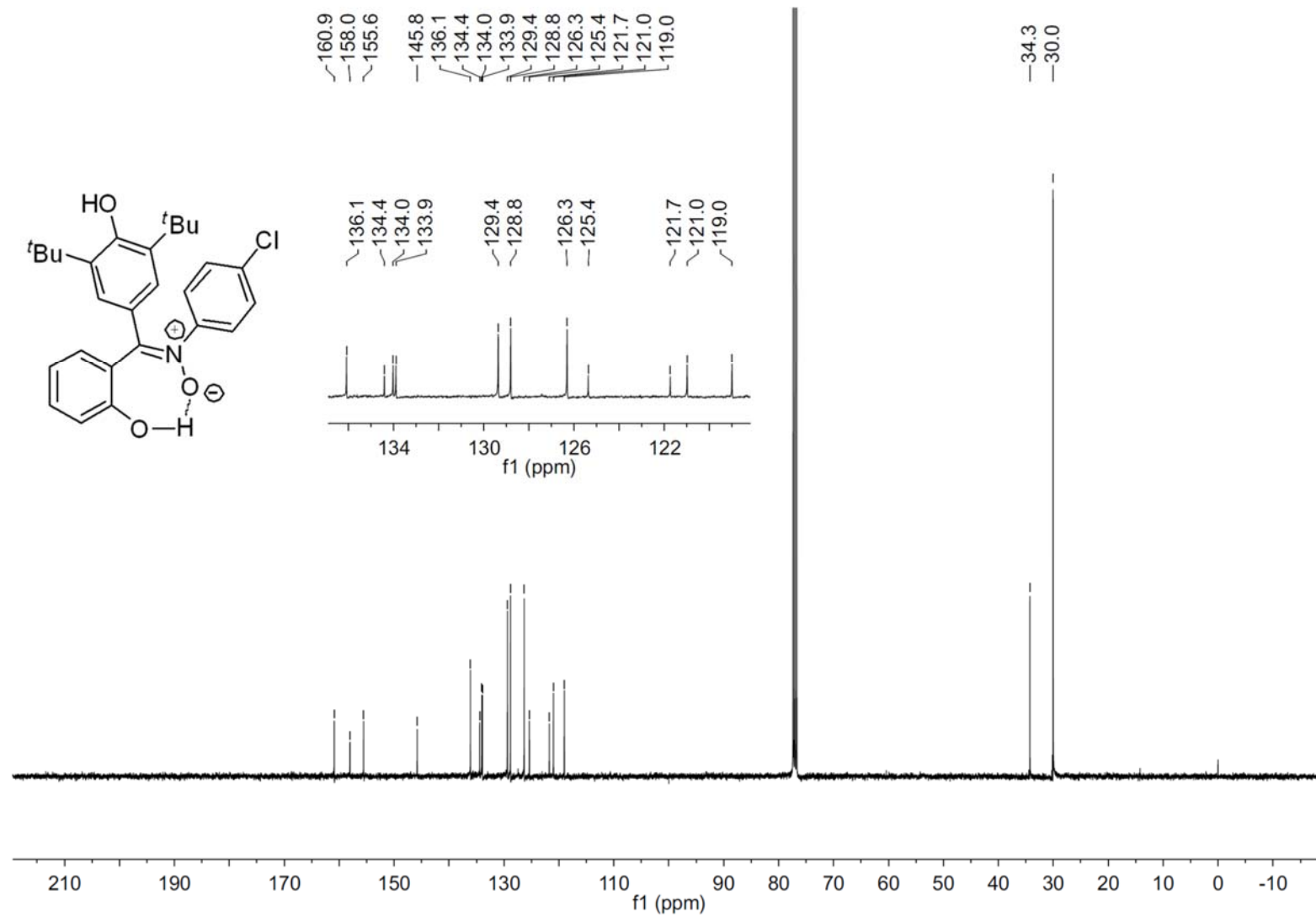
<sup>1</sup>H NMR Spectrum of Compound 3f



**<sup>13</sup>C NMR Spectrum of Compound 3f**

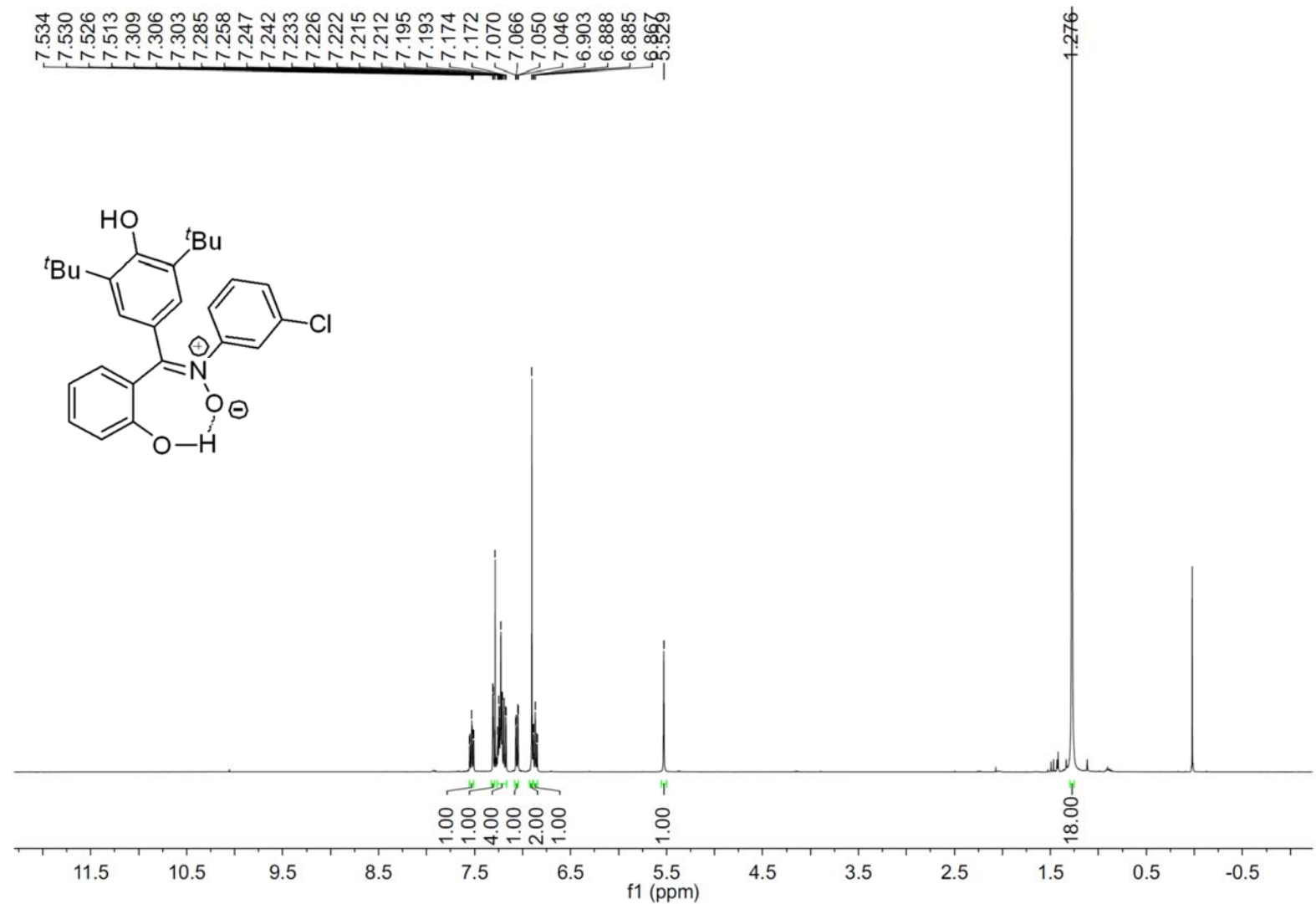


**<sup>1</sup>H NMR Spectrum of Compound 3g**

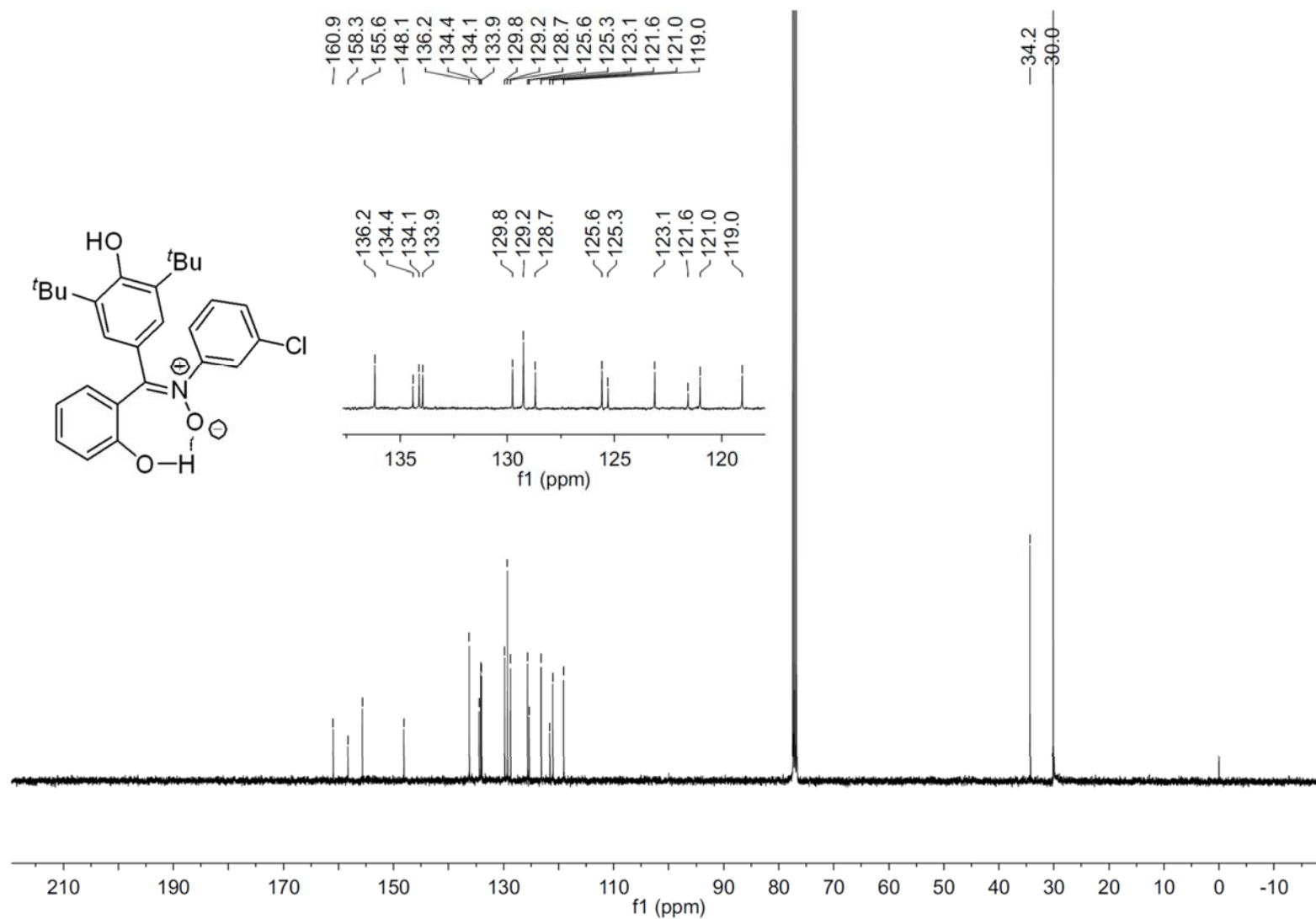


**<sup>1</sup>H NMR Spectrum of Compound 3g**

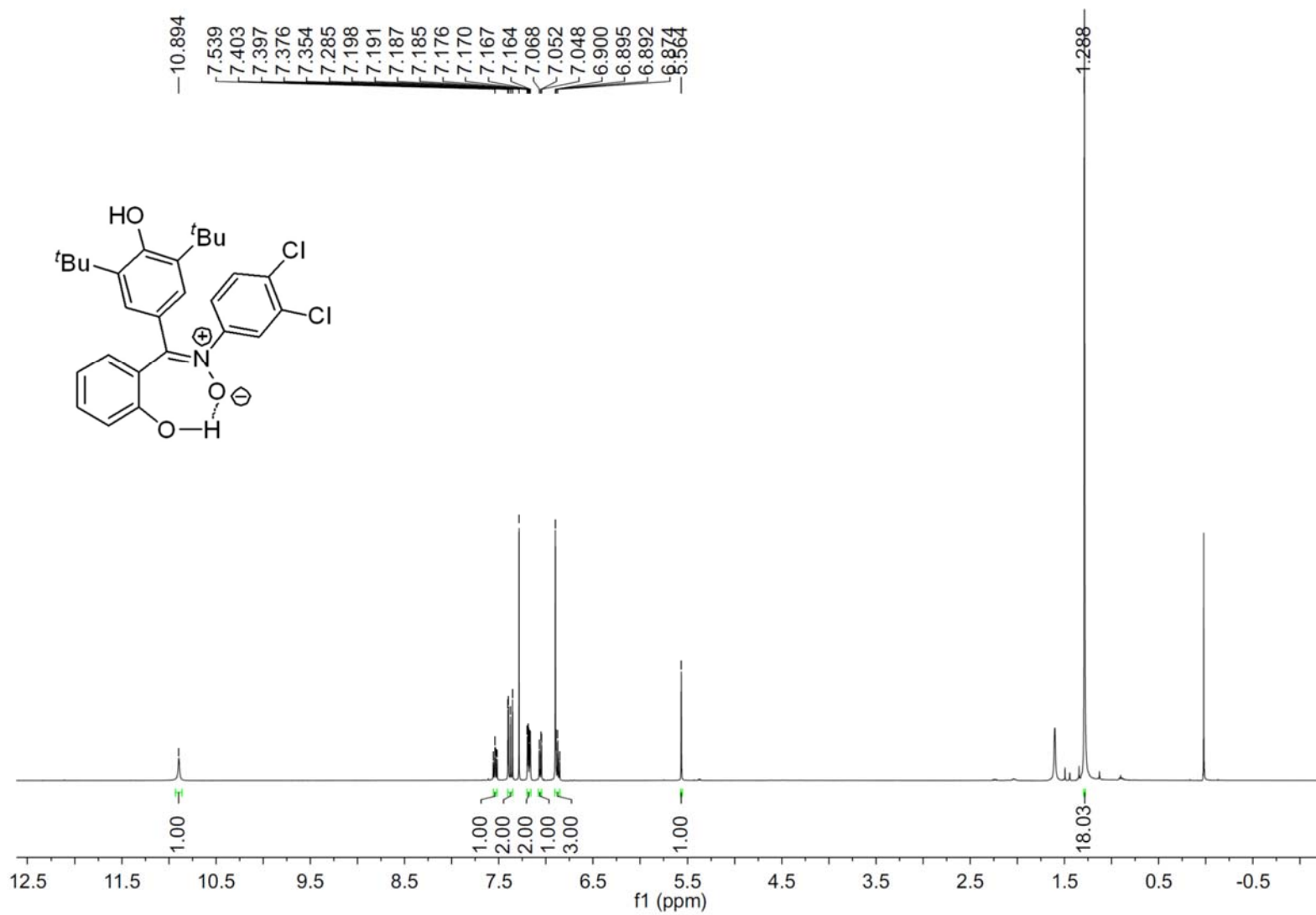




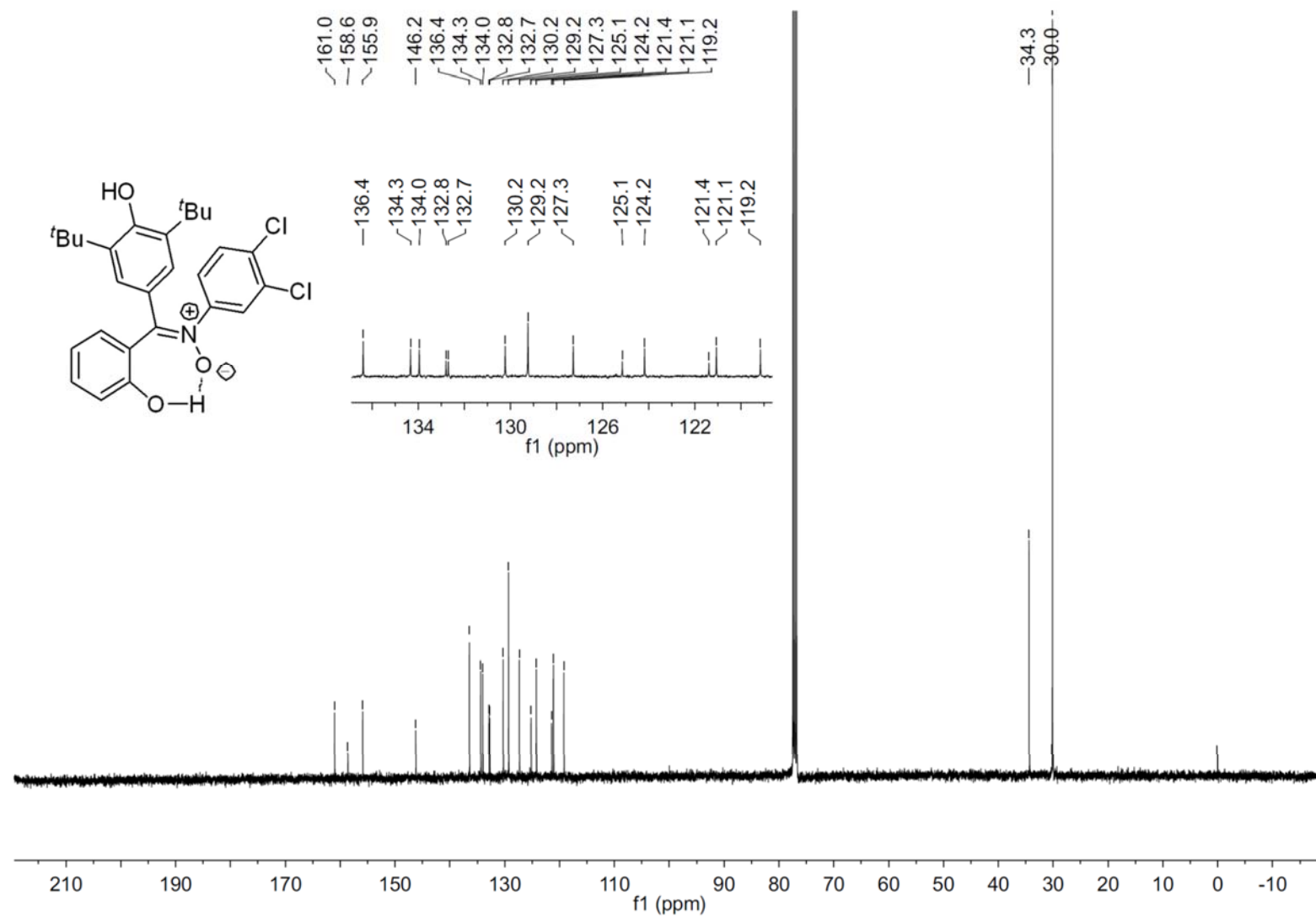
<sup>1</sup>H NMR Spectrum of Compound 3h



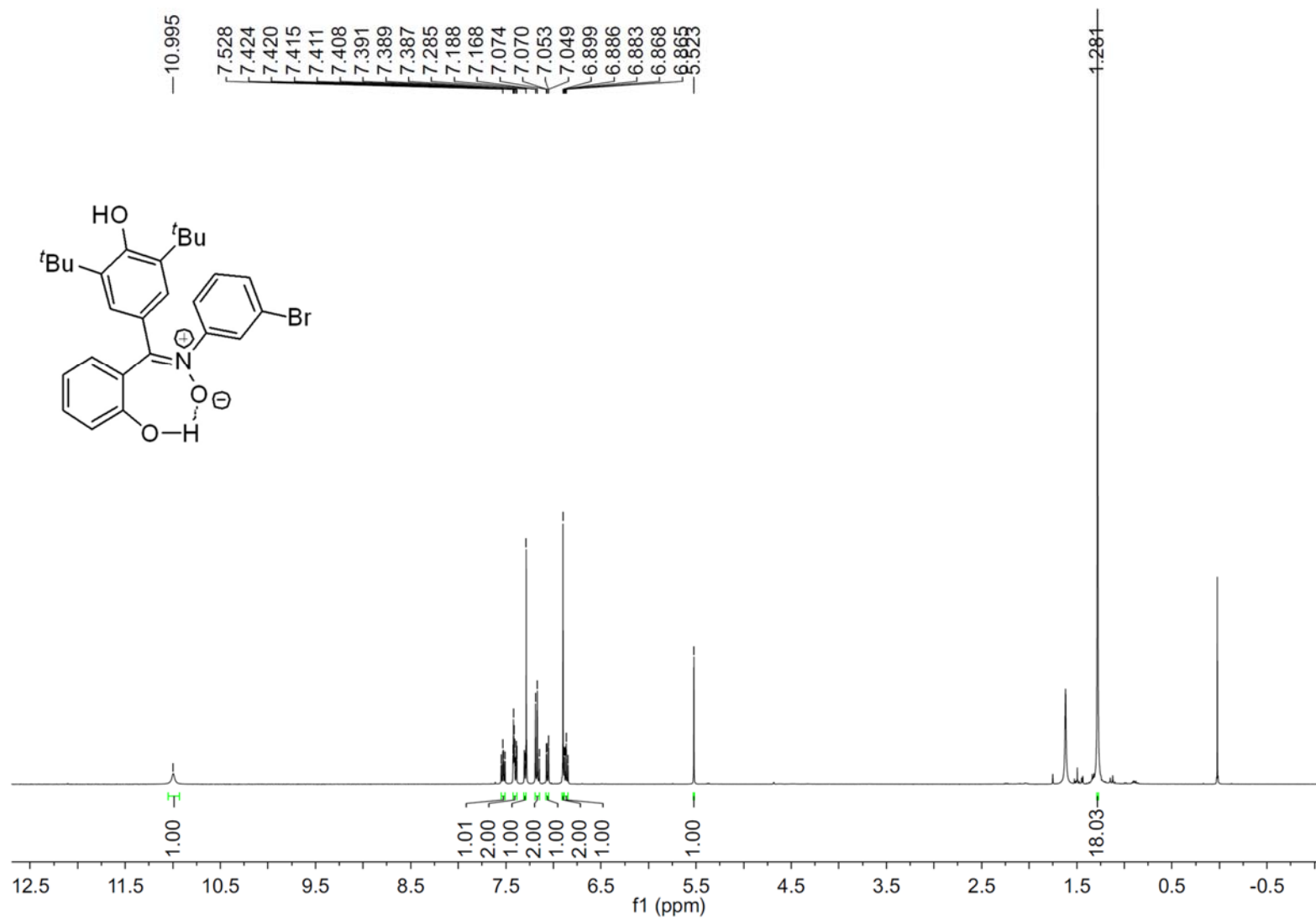
**<sup>13</sup>C NMR Spectrum of Compound 3h**



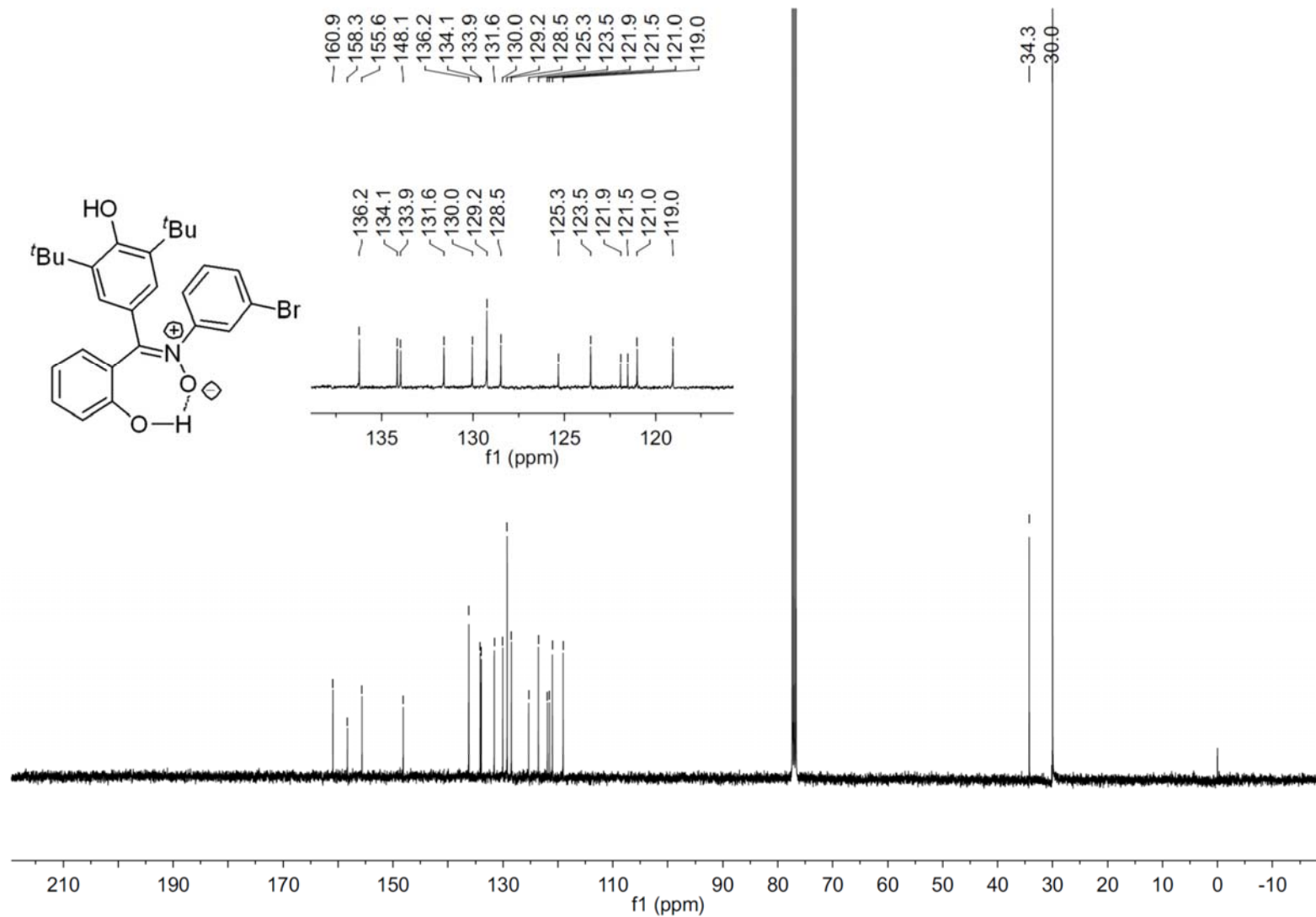
<sup>1</sup>H NMR Spectrum of Compound 3i



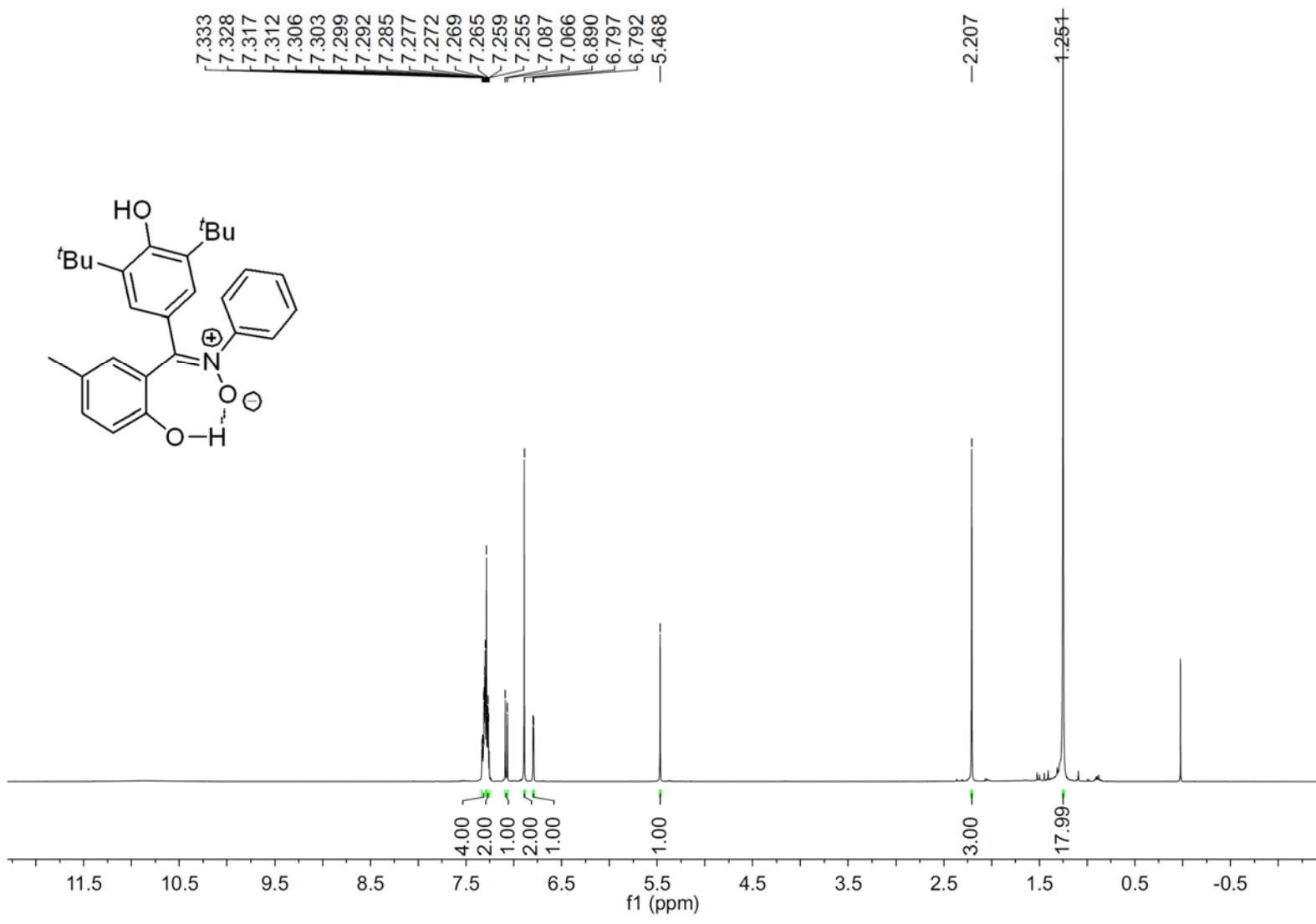
$^{13}\text{C}$  NMR Spectrum of Compound 3i



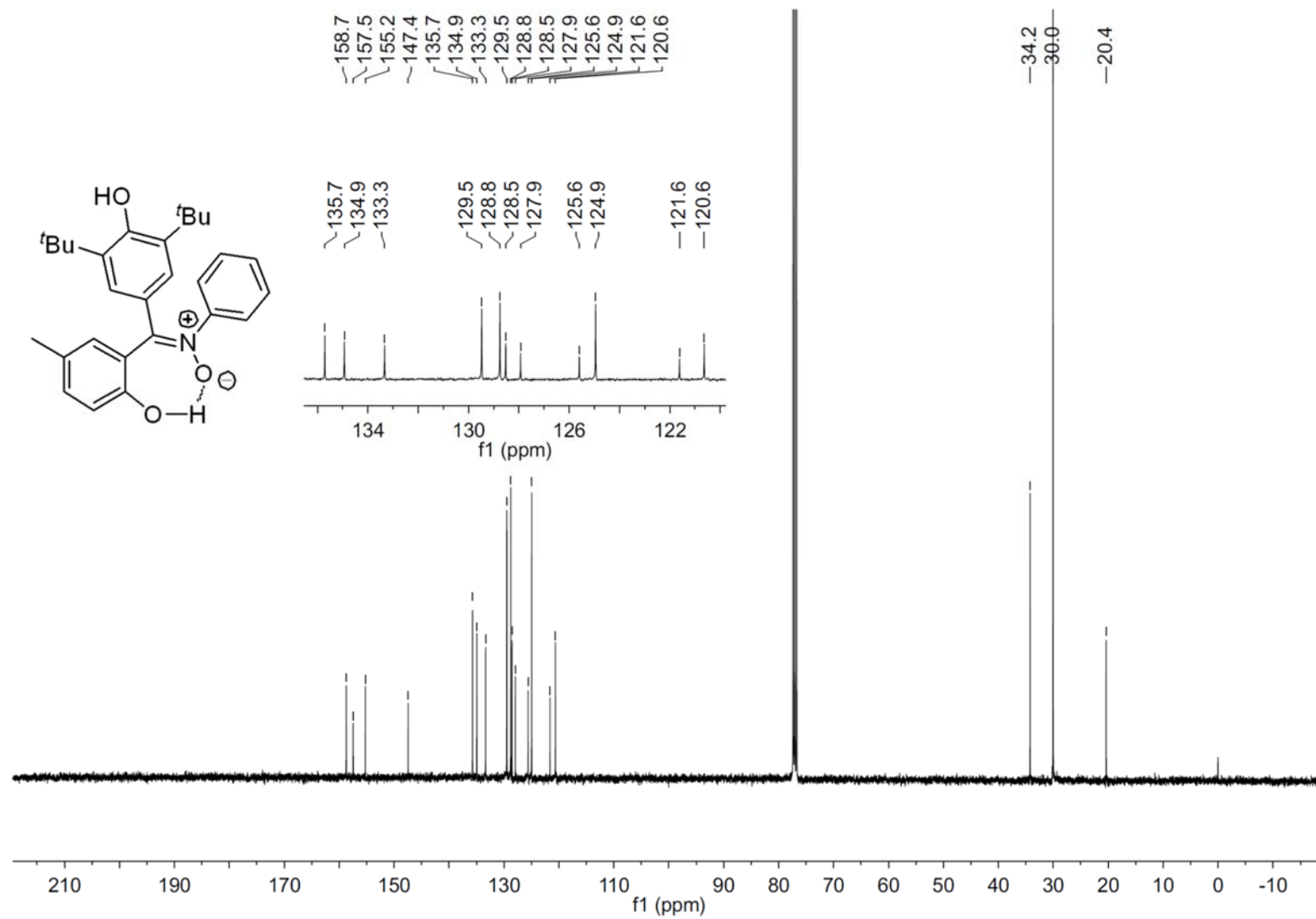
<sup>1</sup>H NMR Spectrum of Compound 3j



**<sup>13</sup>C NMR Spectrum of Compound 3j**

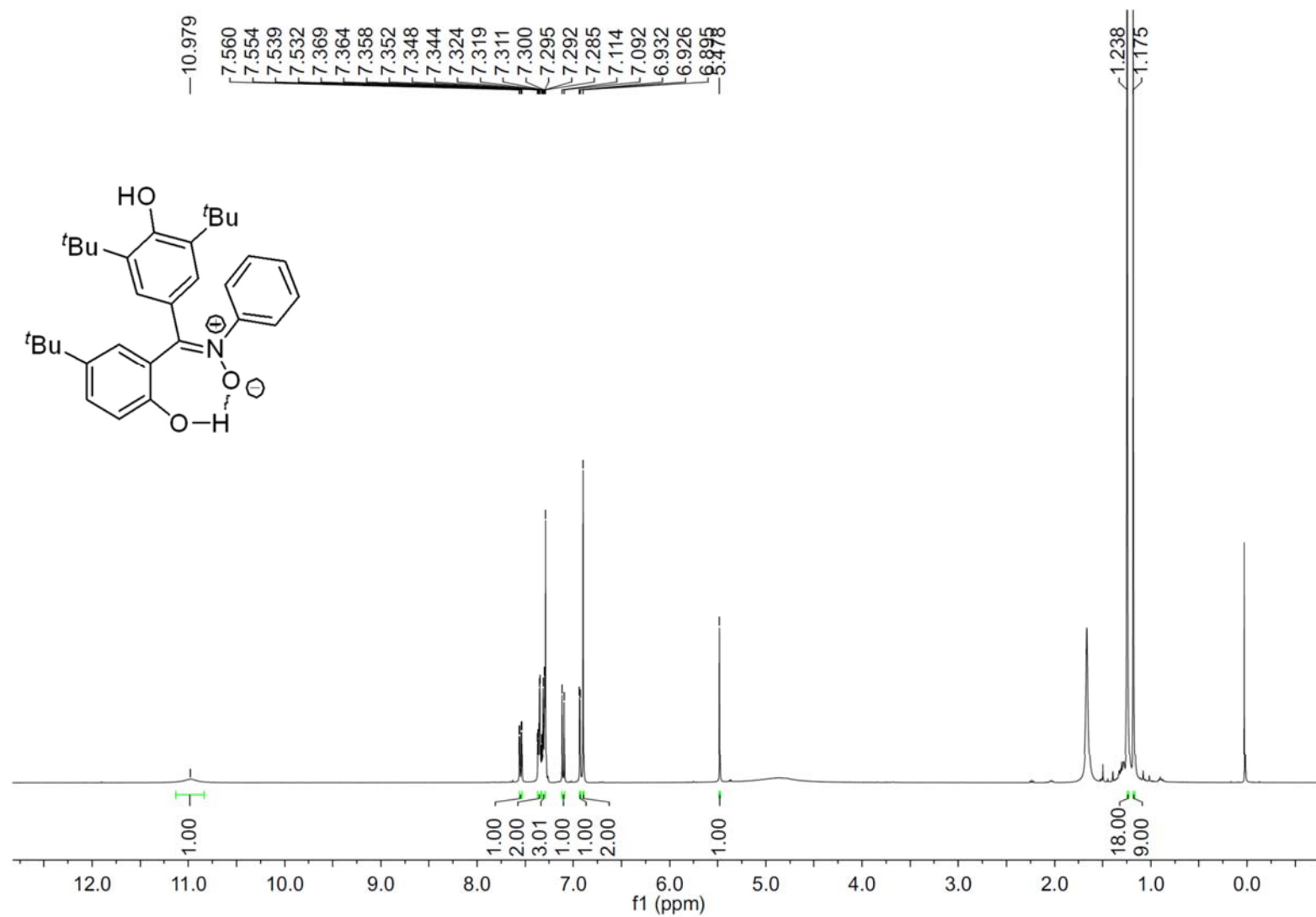


<sup>1</sup>H NMR Spectrum of Compound 3k

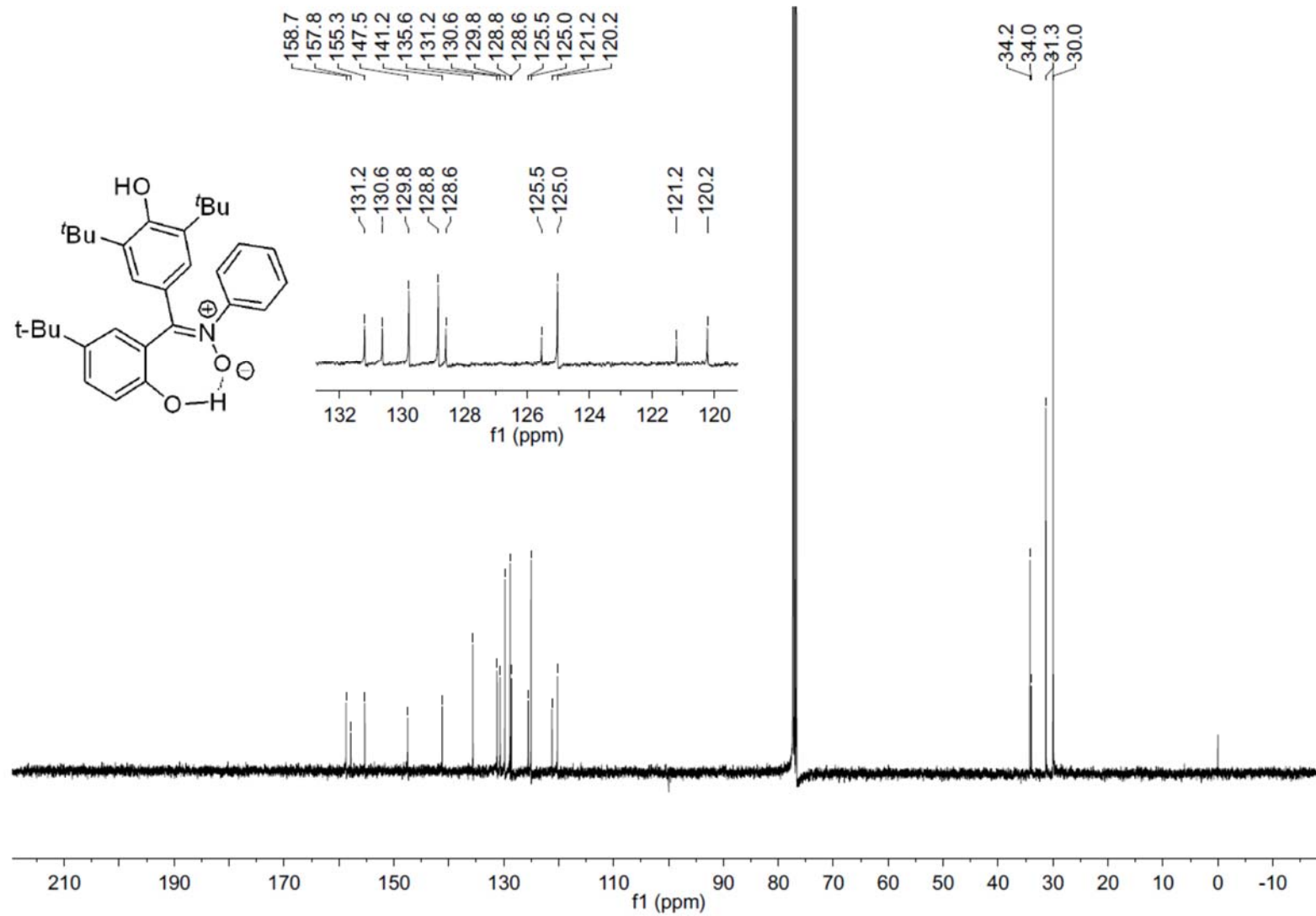


<sup>13</sup>C NMR Spectrum of Compound 3k

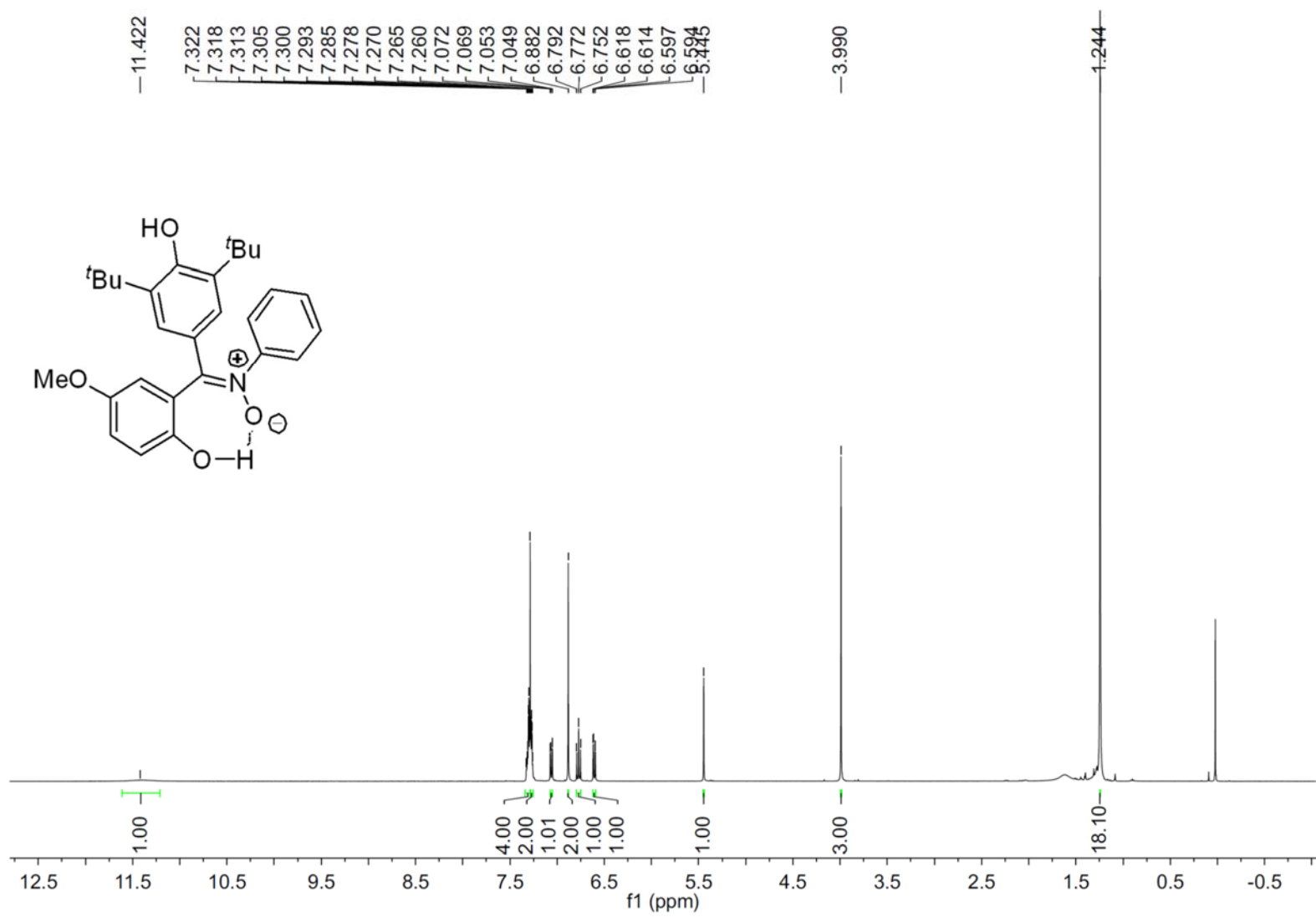




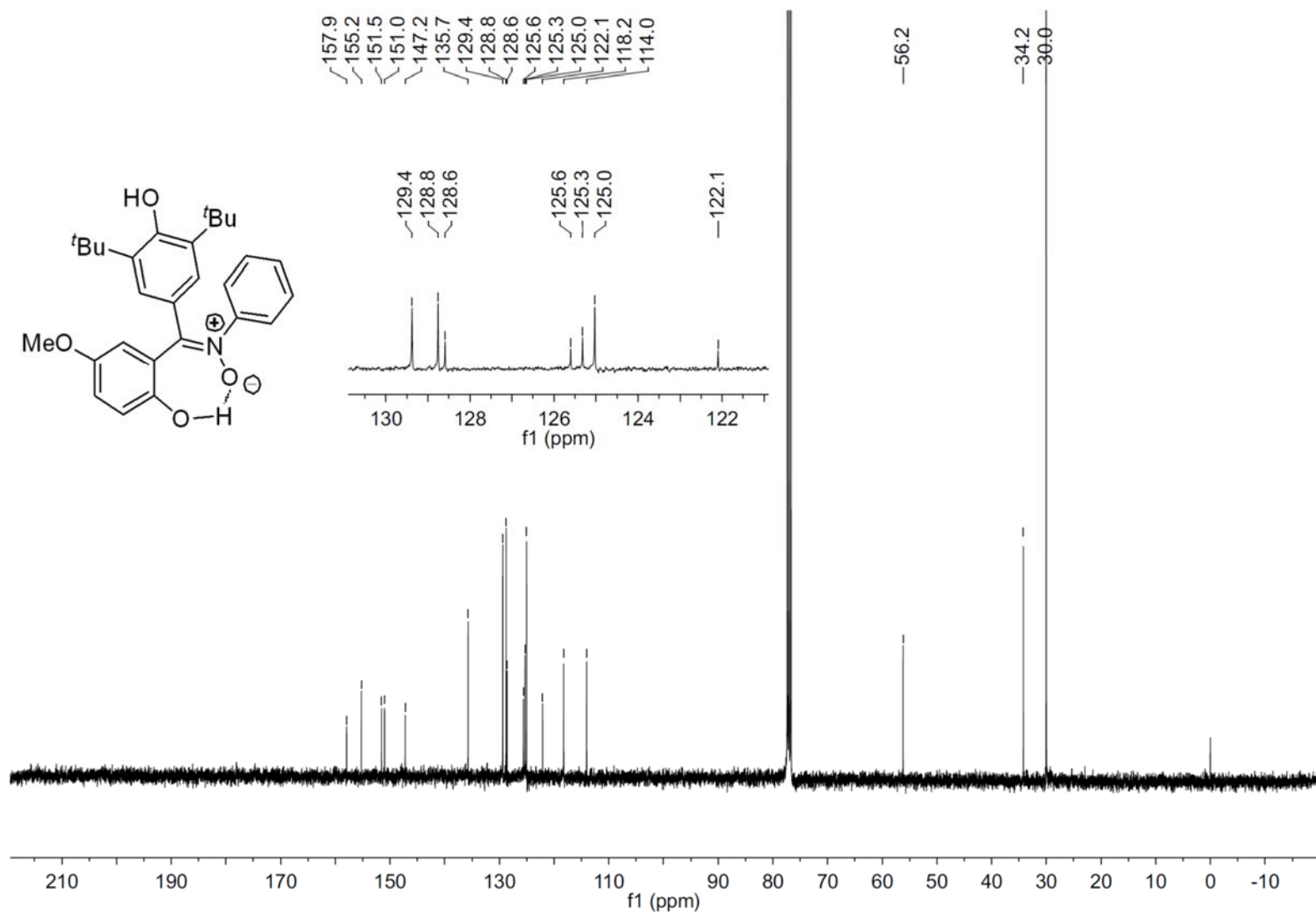
<sup>1</sup>H NMR Spectrum of Compound 31



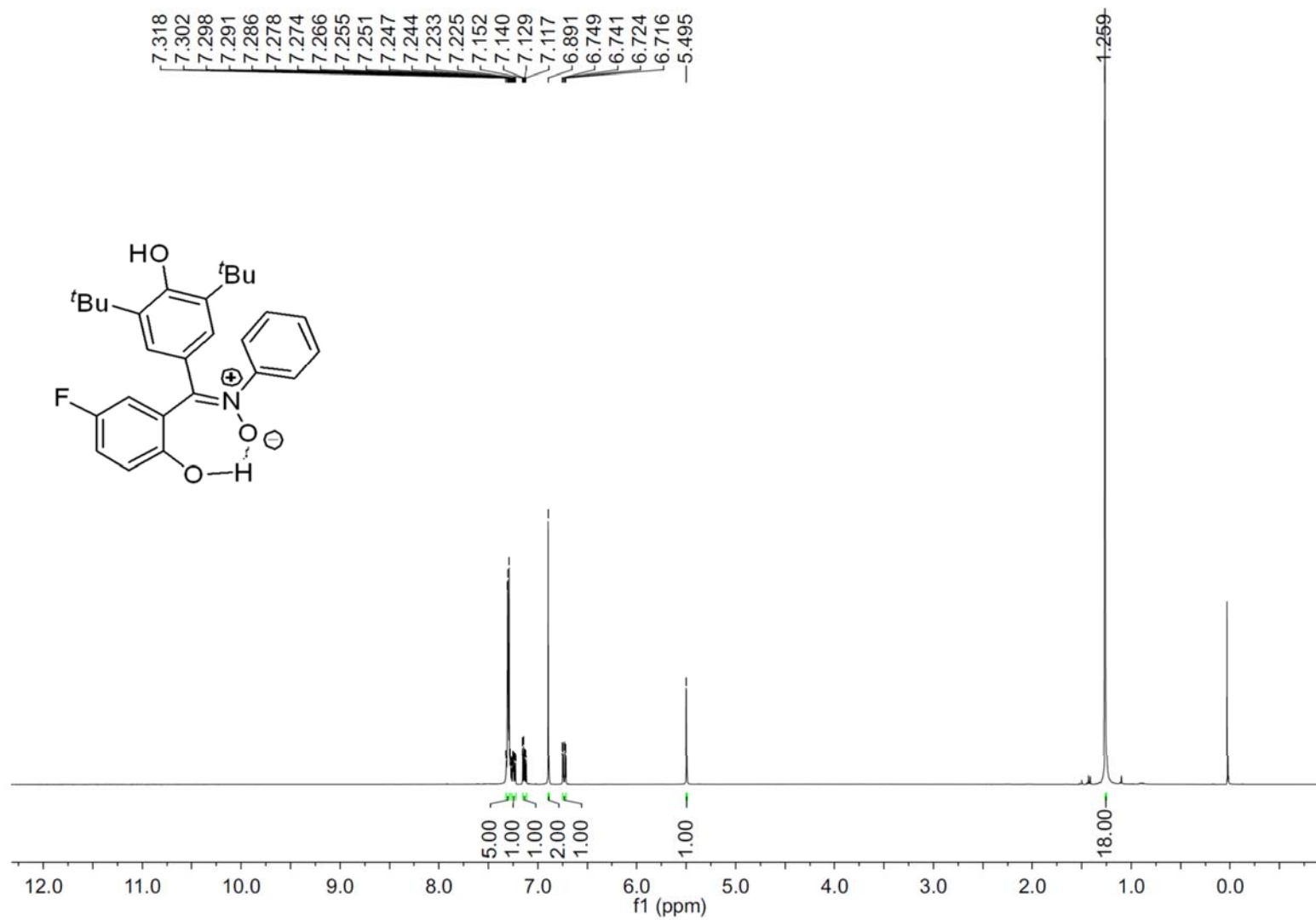
$^{13}\text{C}$  NMR Spectrum of Compound 31



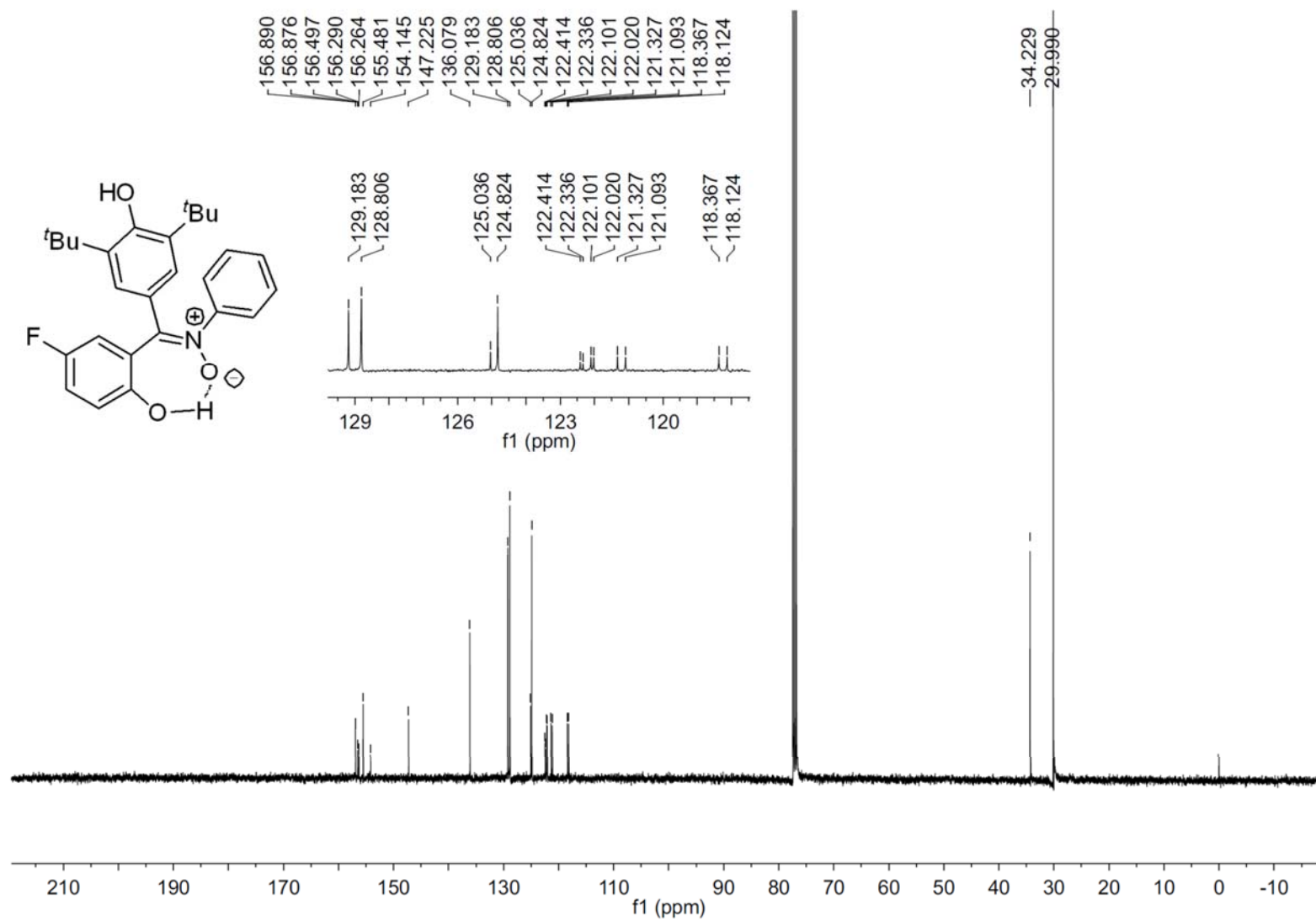
**<sup>1</sup>H NMR Spectrum of Compound 3m**



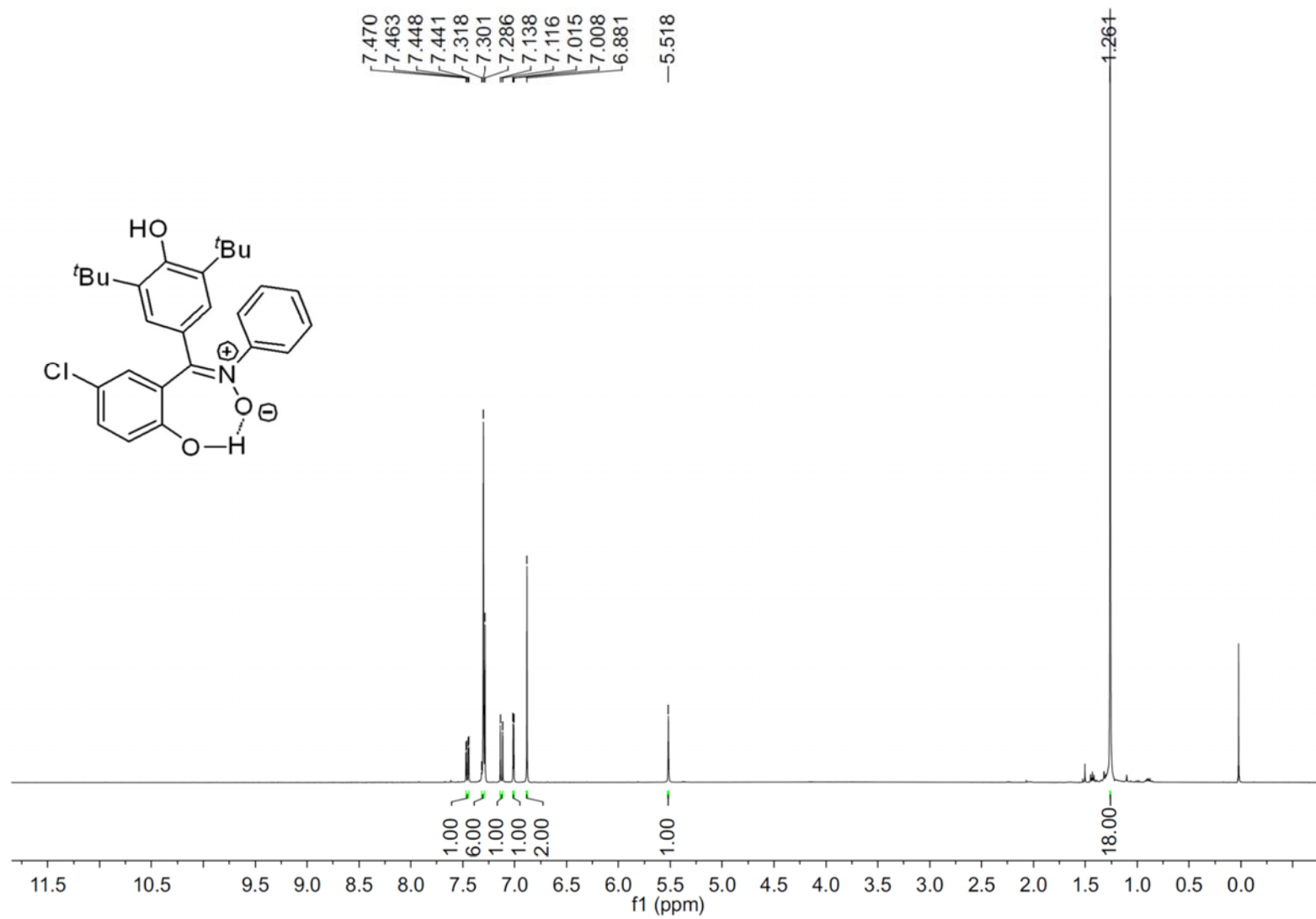
<sup>13</sup>C NMR Spectrum of Compound 3m



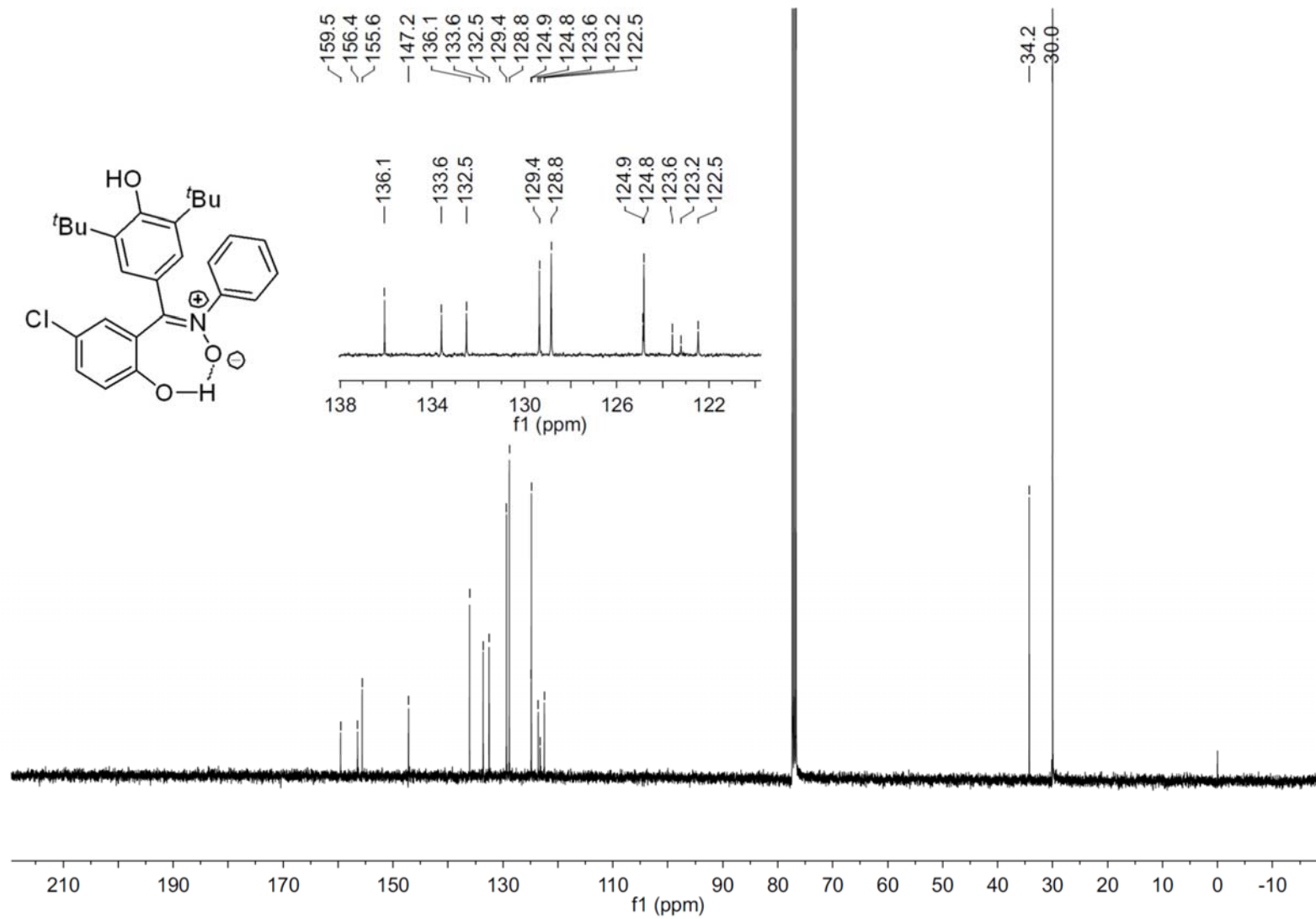
<sup>1</sup>H NMR Spectrum of Compound 3n



<sup>13</sup>C NMR Spectrum of Compound 3n

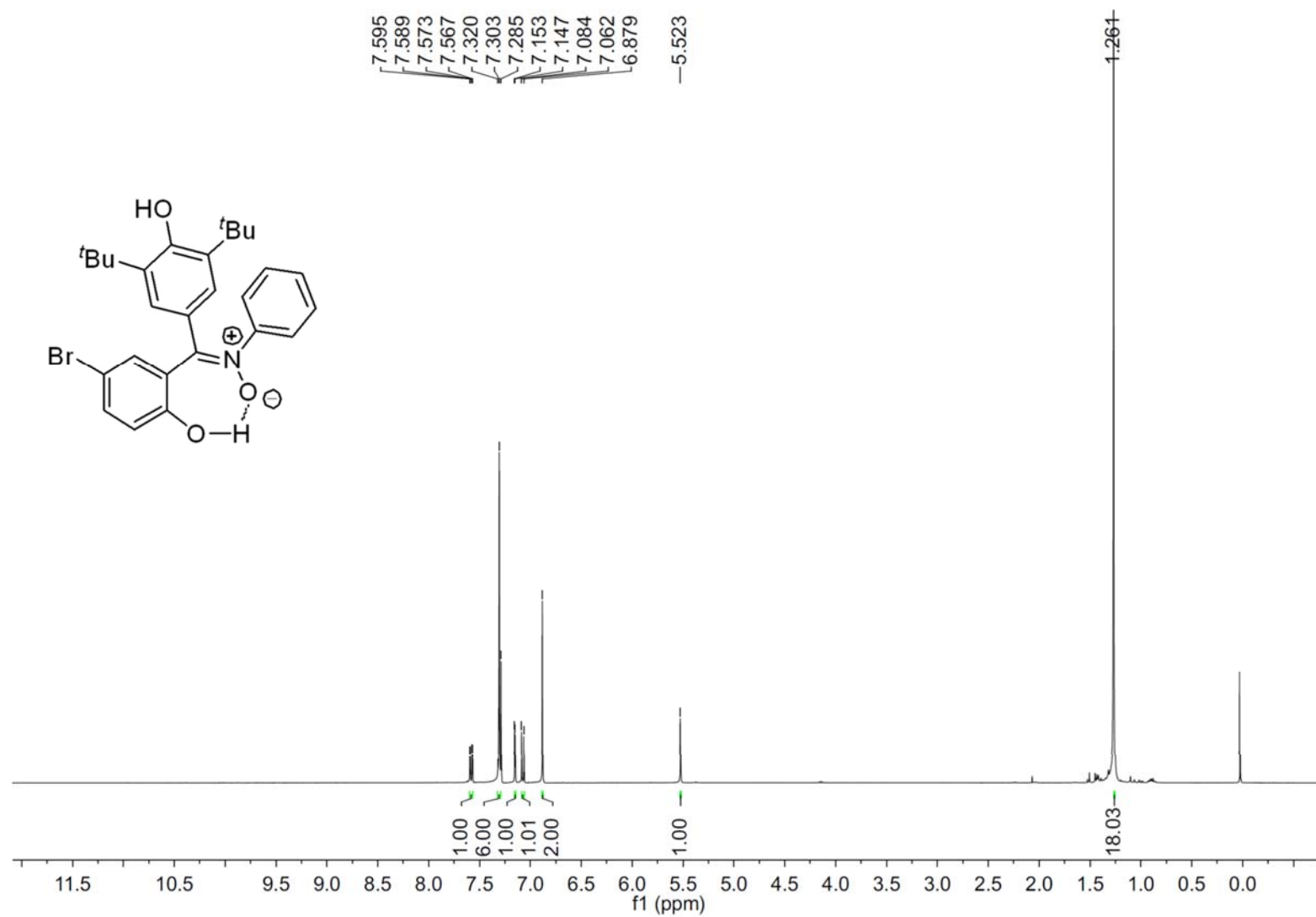


<sup>1</sup>H NMR Spectrum of Compound 3o

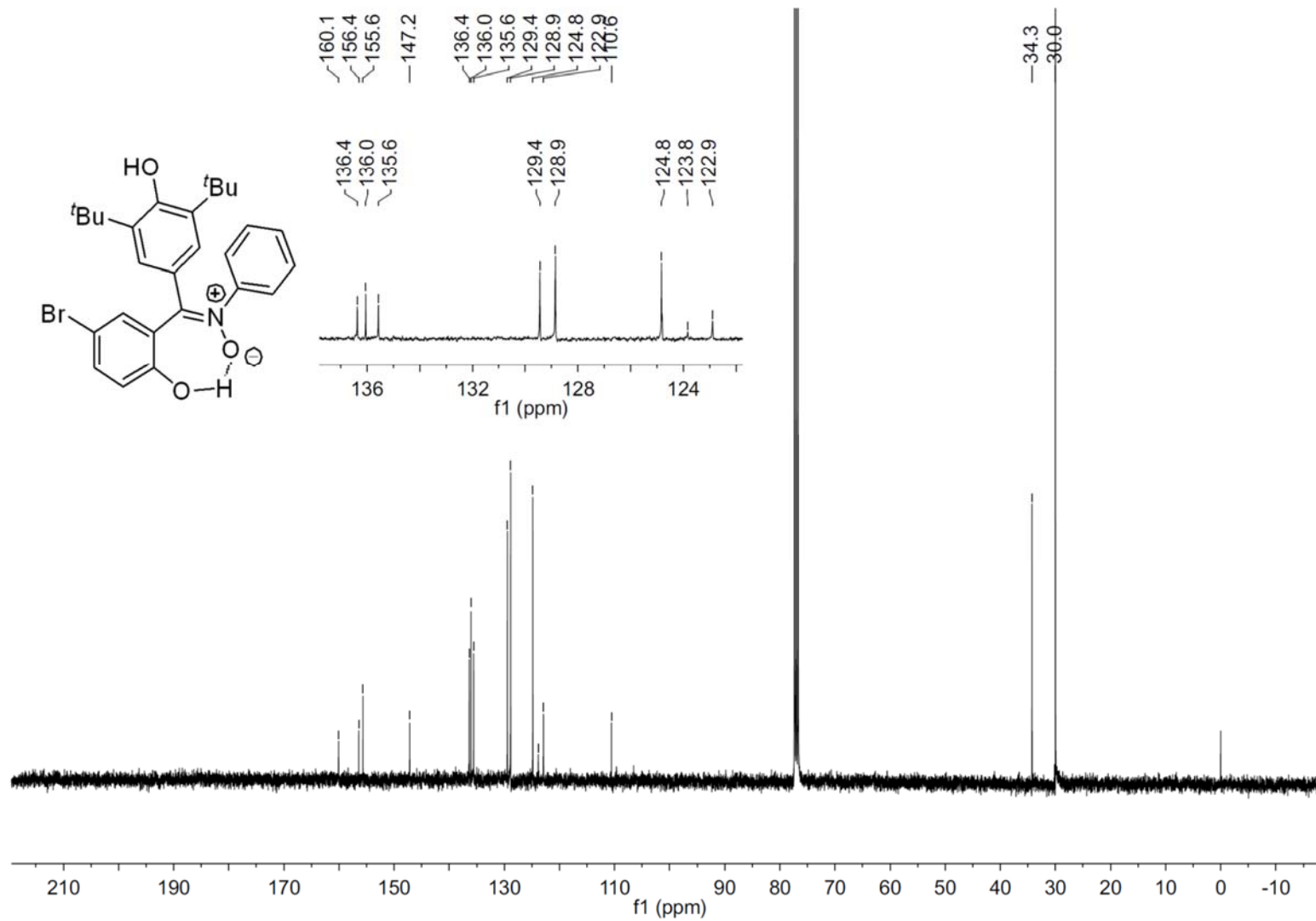


$^{13}\text{C}$  NMR Spectrum of Compound 30

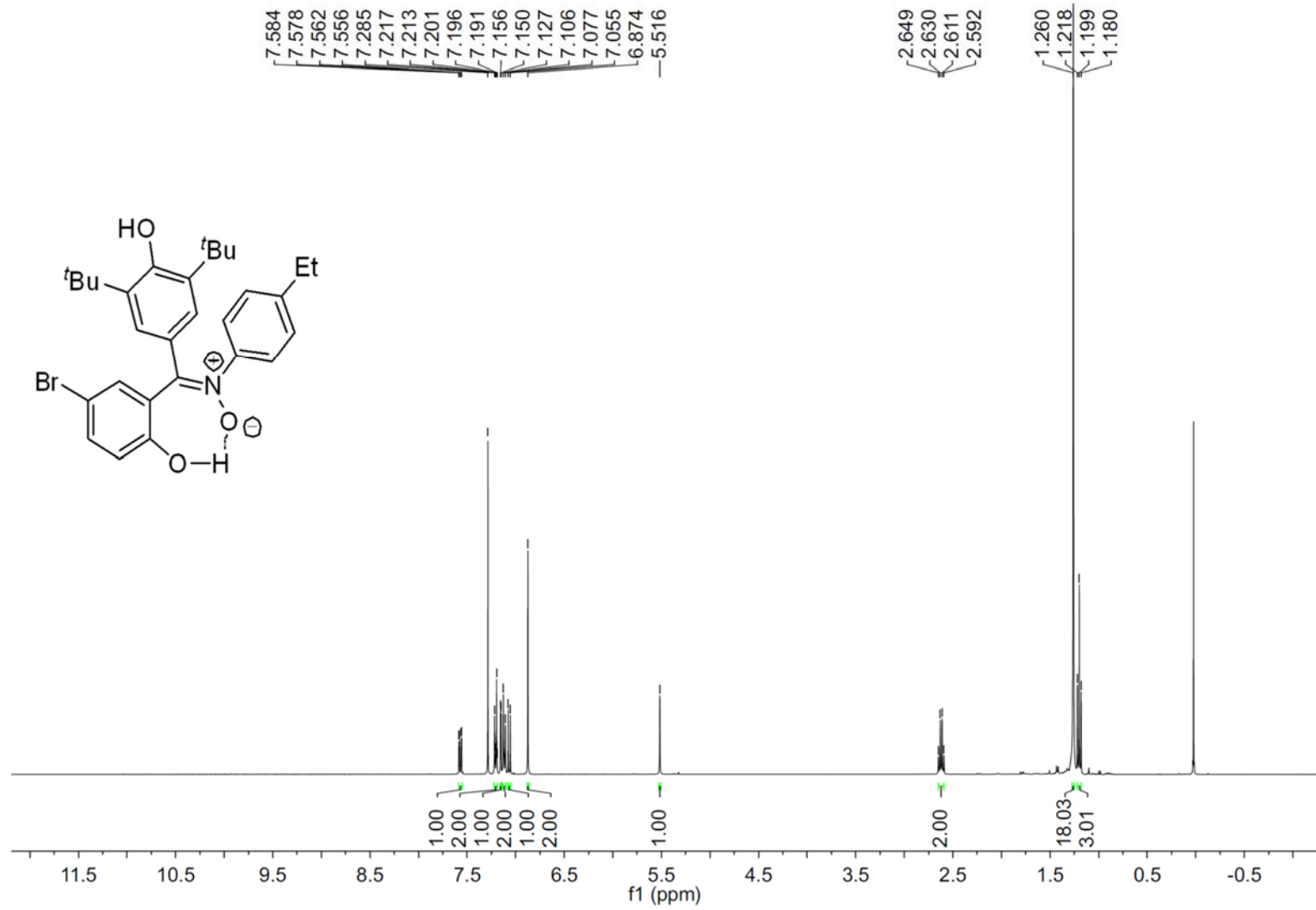




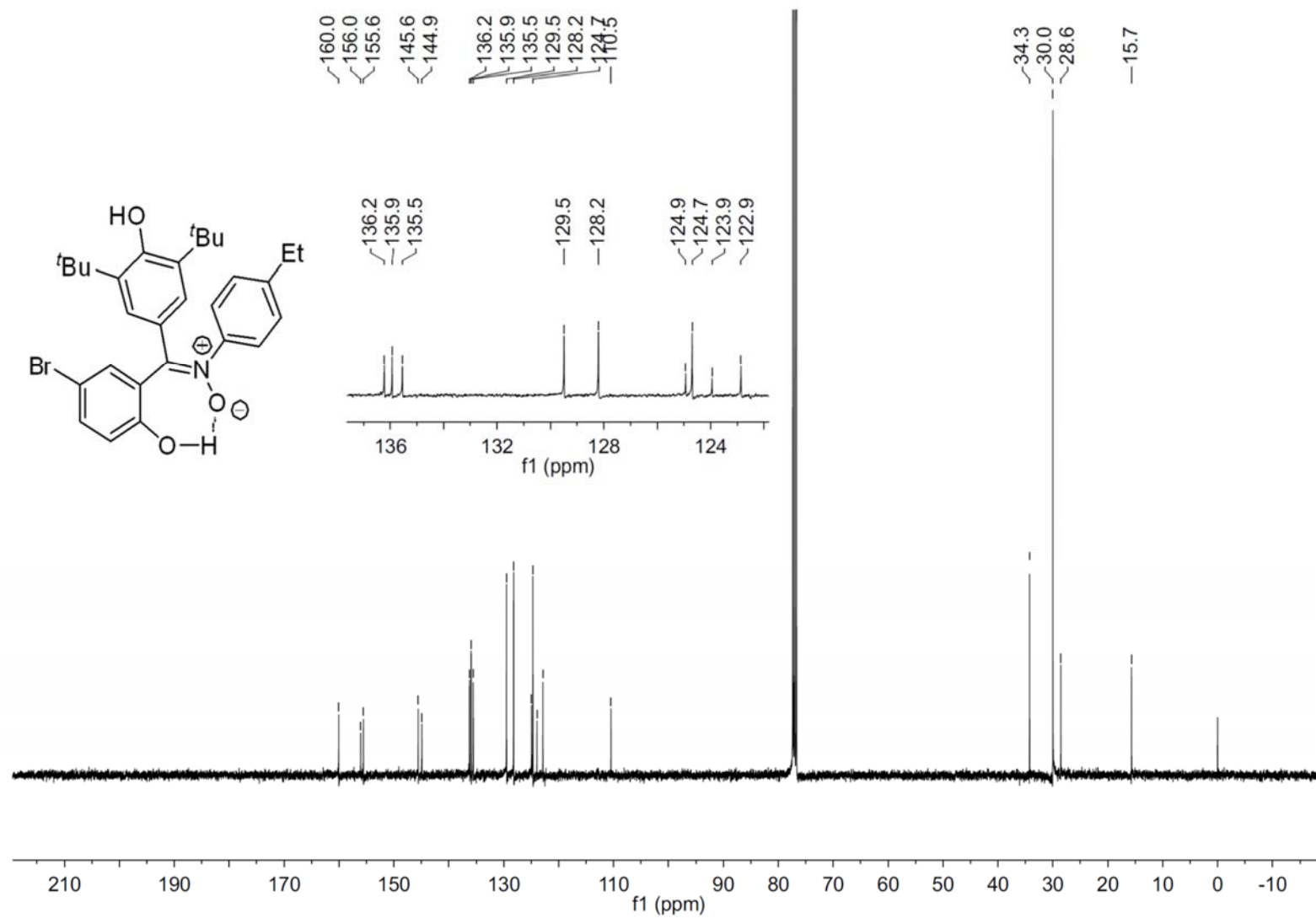
<sup>1</sup>H NMR Spectrum of Compound 3p



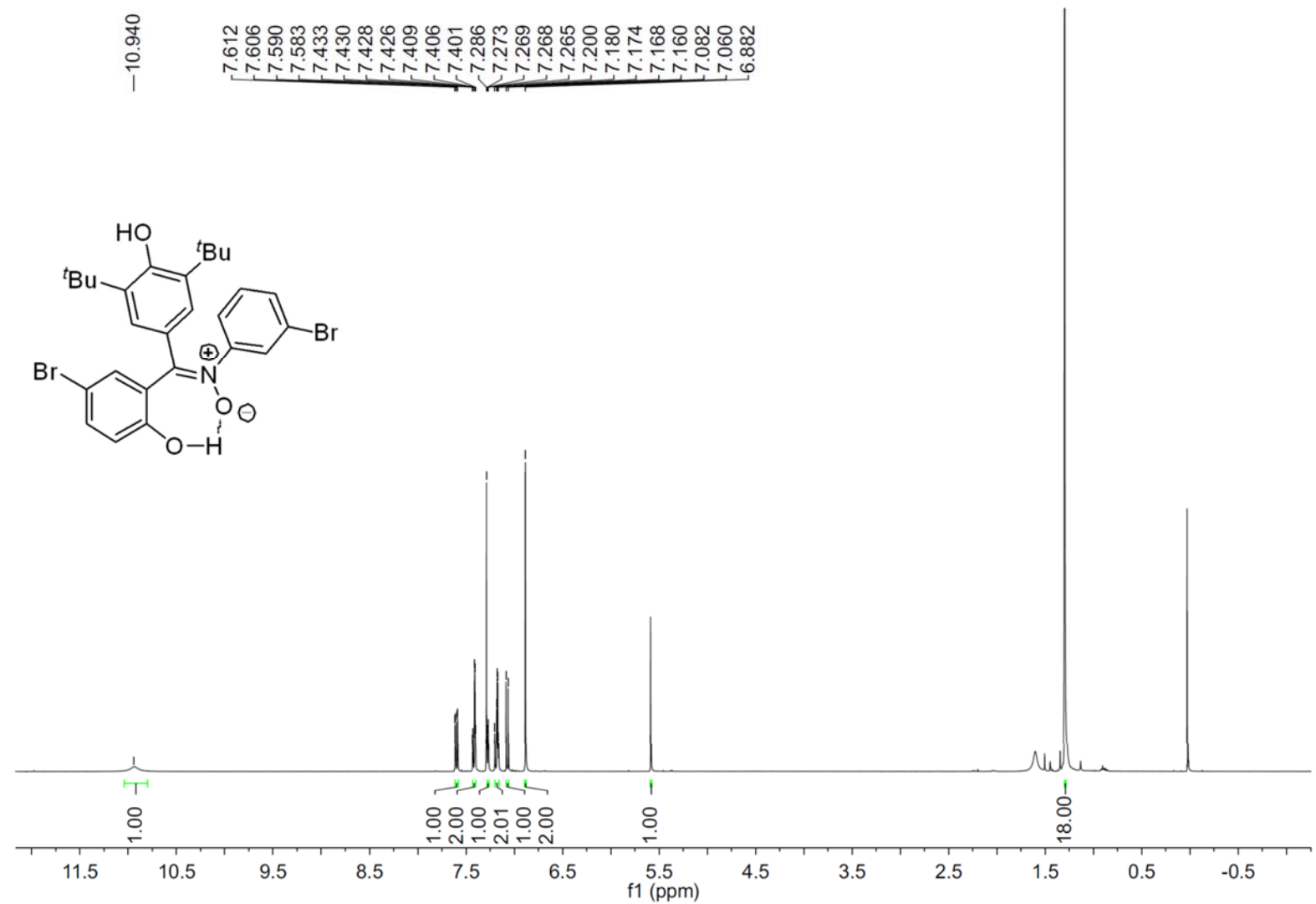
<sup>13</sup>C NMR Spectrum of Compound 3p



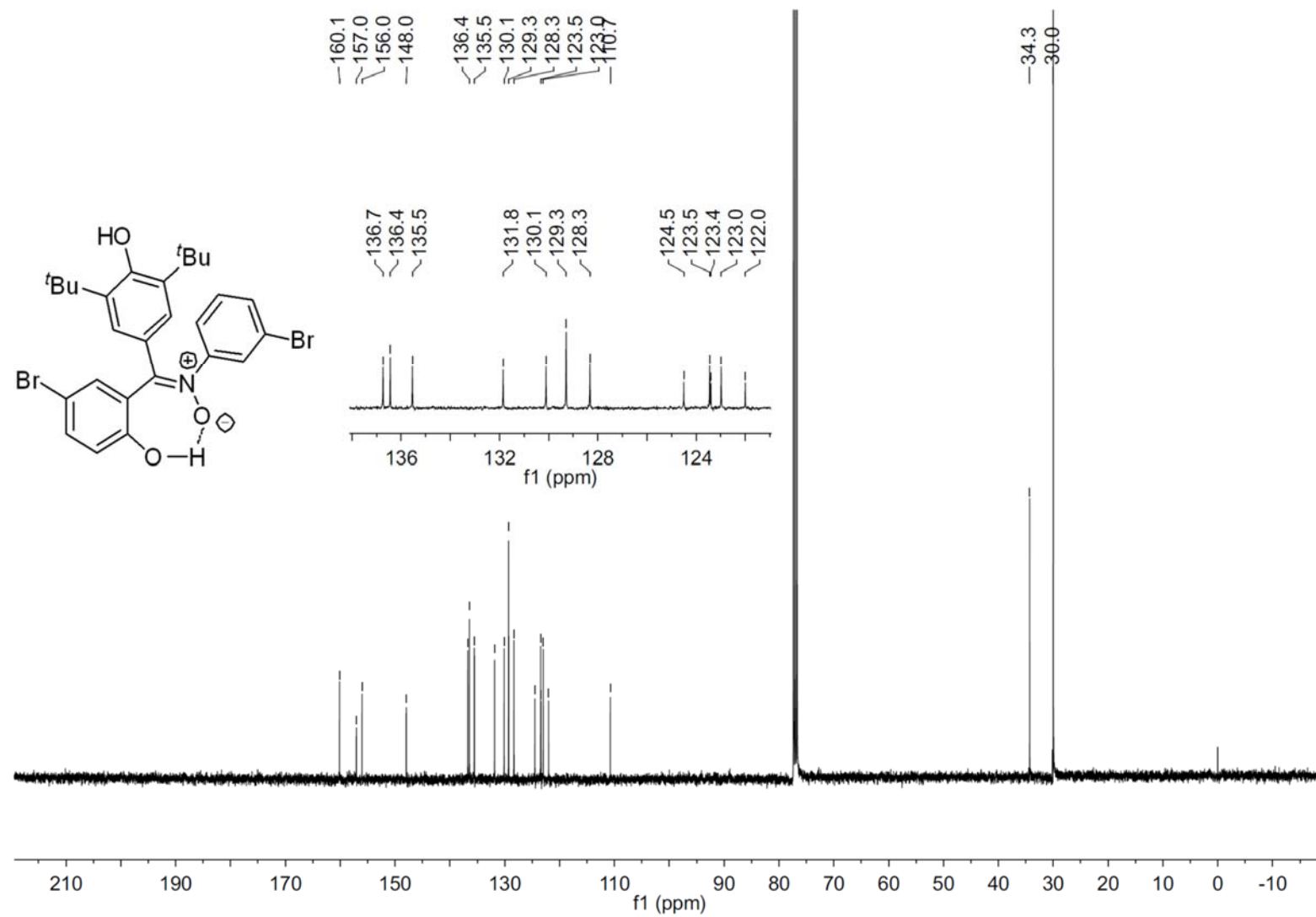
<sup>1</sup>H NMR Spectrum of Compound 3q



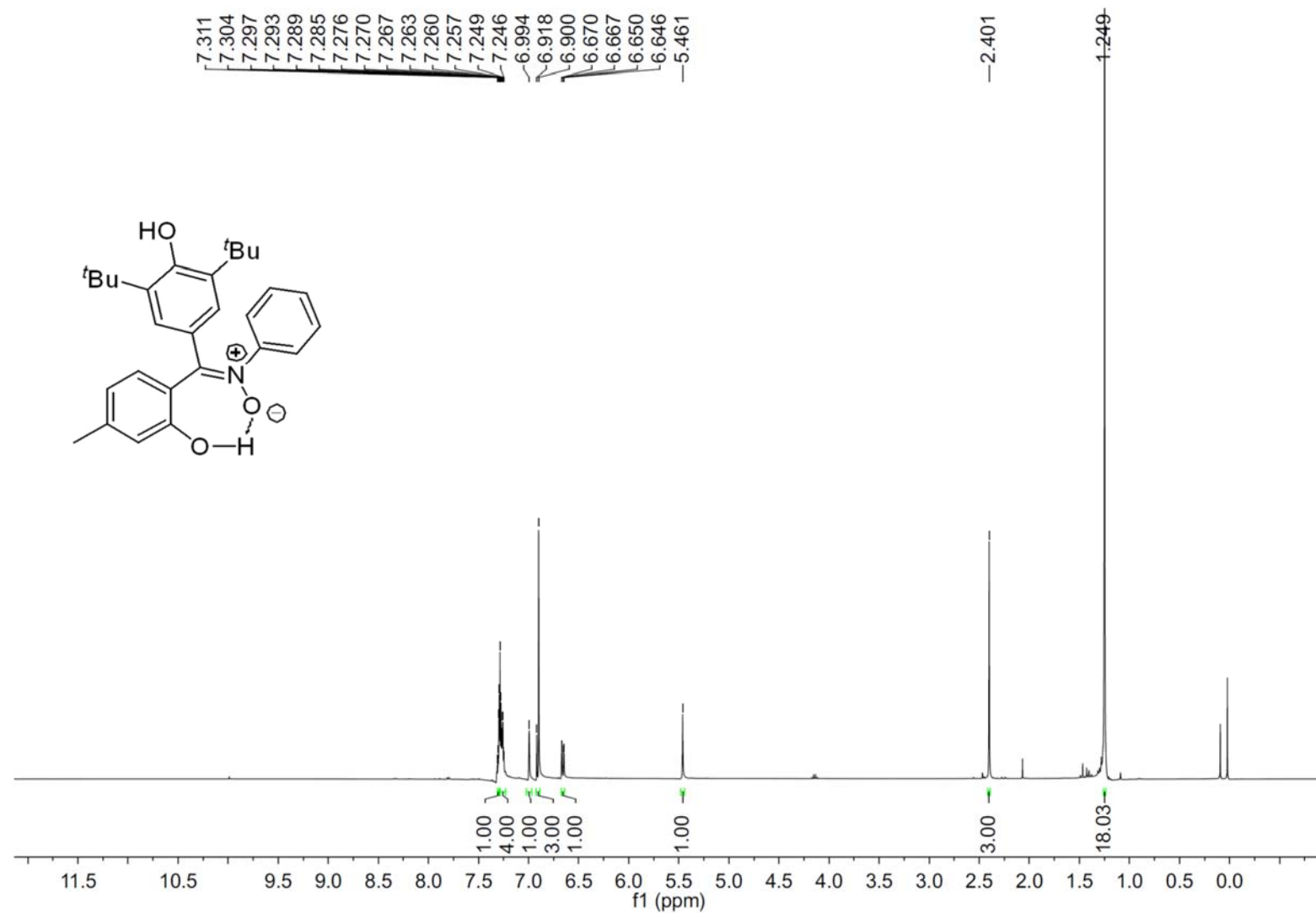
<sup>13</sup>C NMR Spectrum of Compound 3q



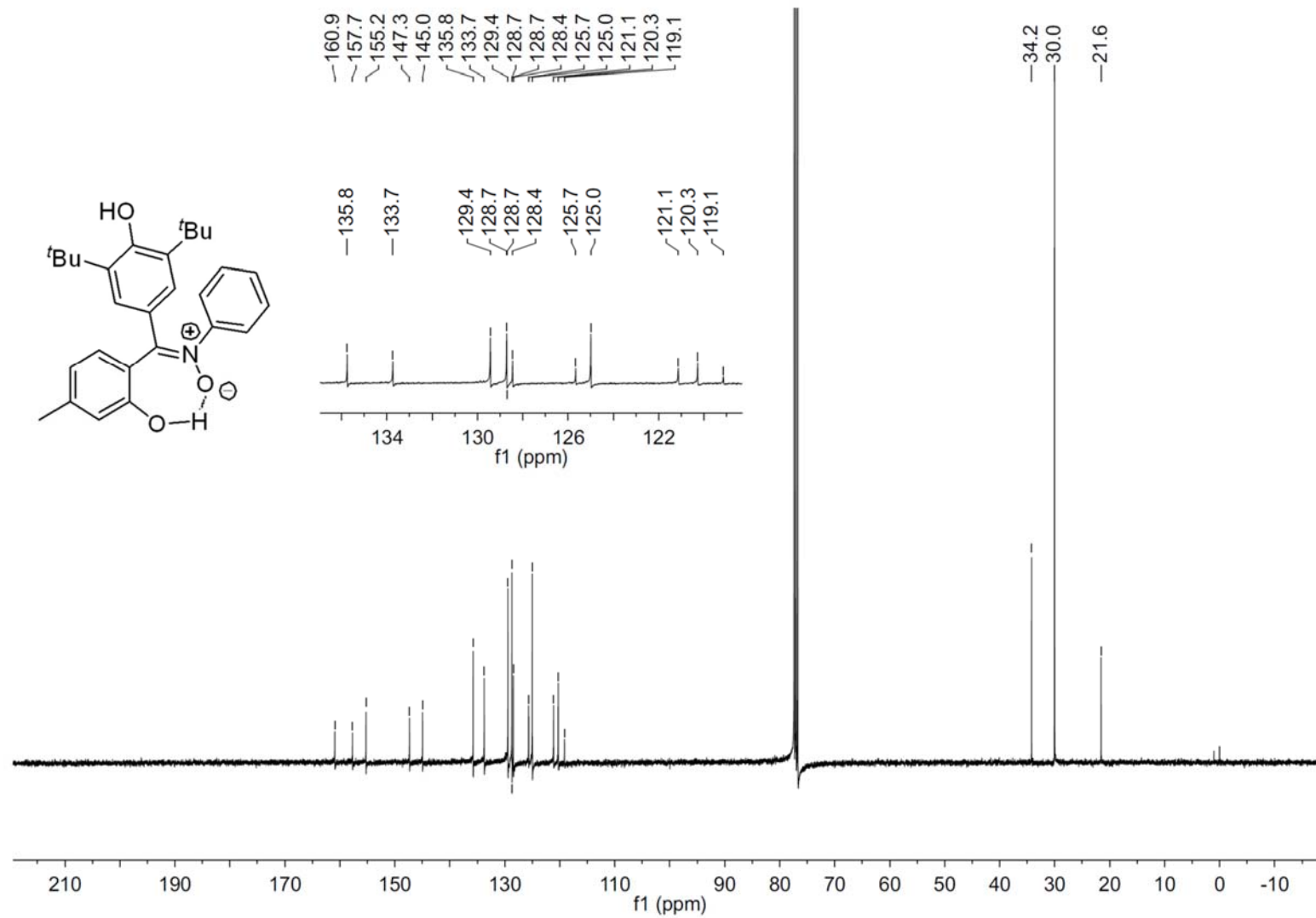
<sup>1</sup>H NMR Spectrum of Compound 3r



<sup>13</sup>C NMR Spectrum of Compound 3r

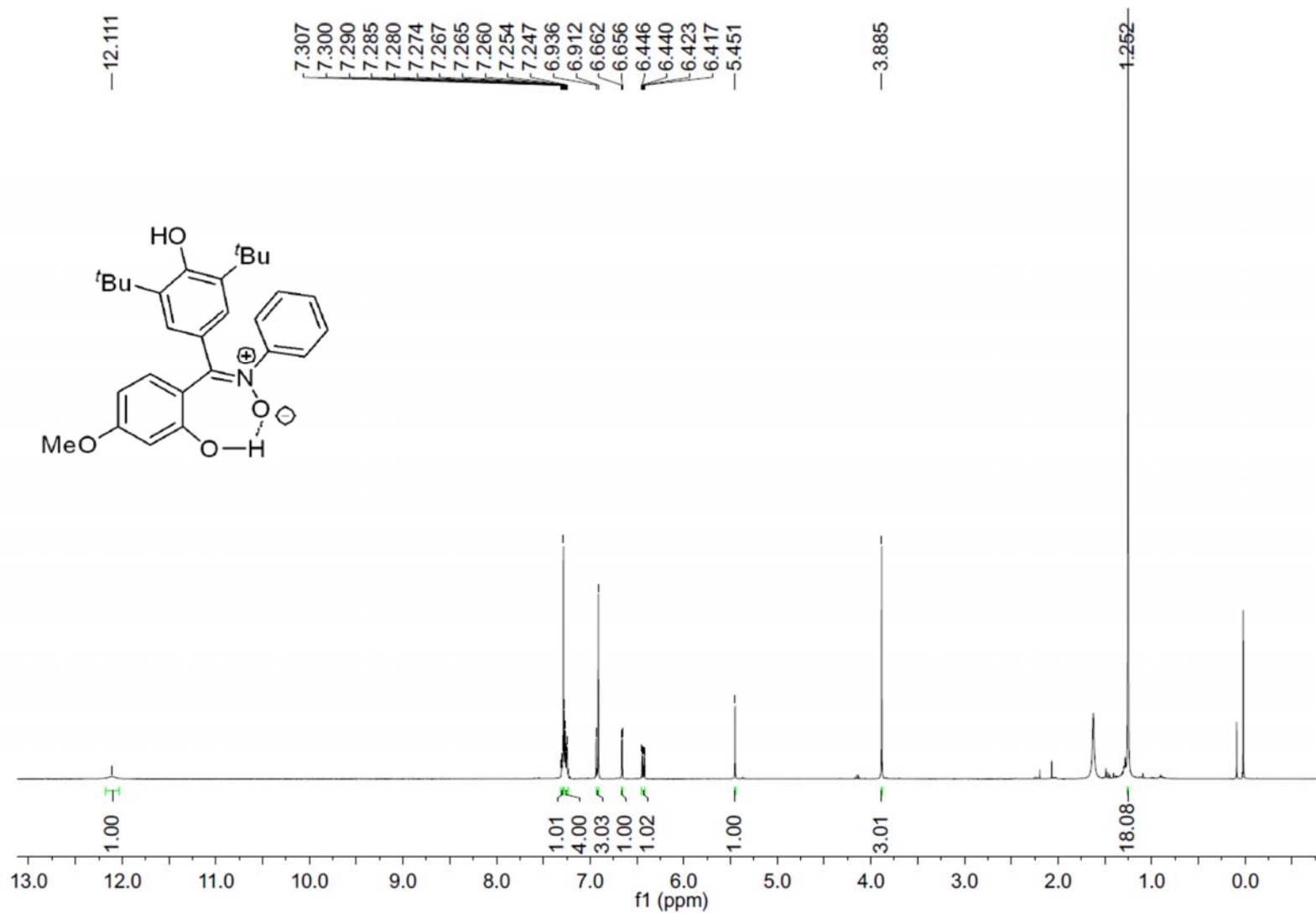


<sup>1</sup>H NMR Spectrum of Compound 3s

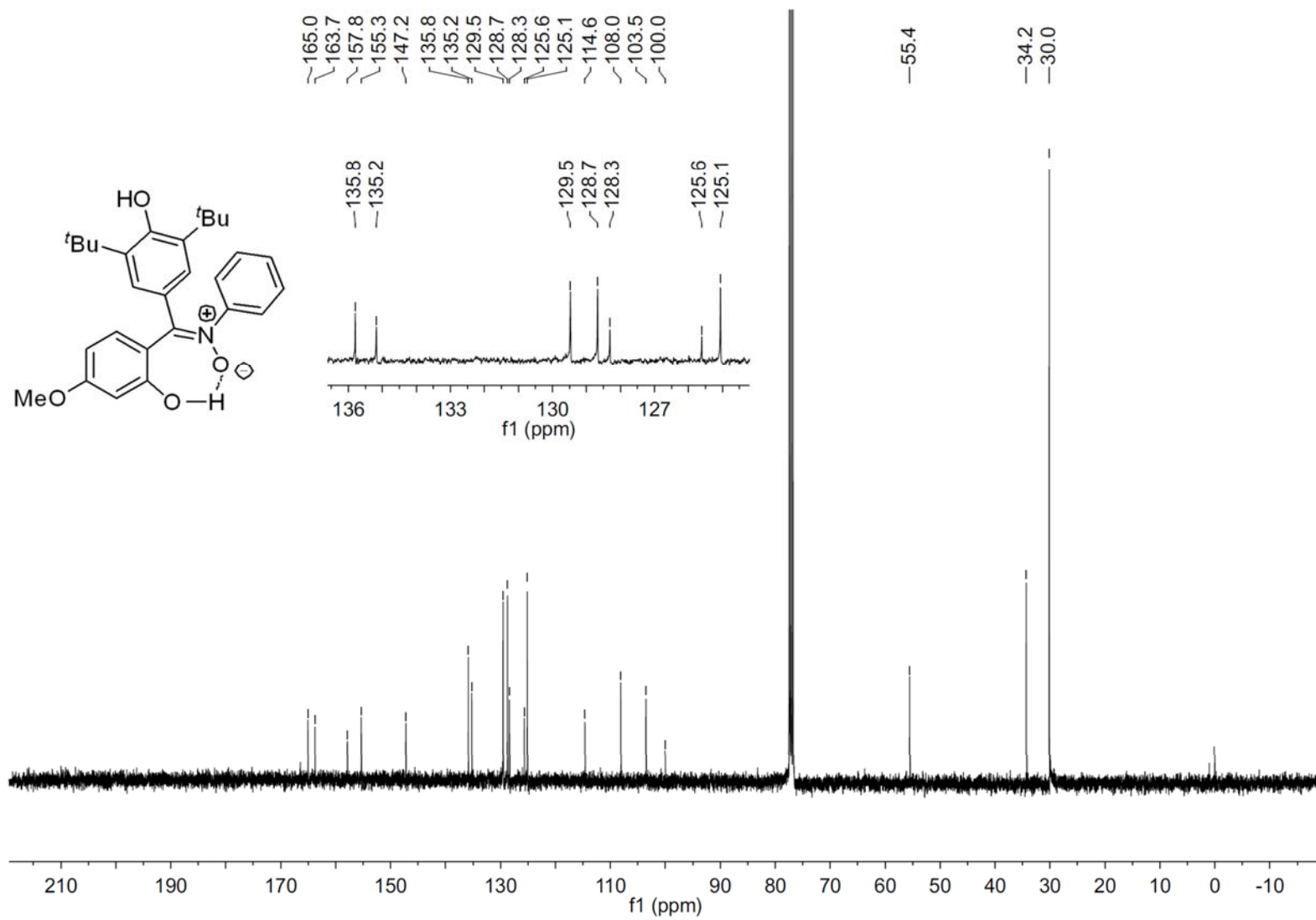


$^{13}\text{C}$  NMR Spectrum of Compound 3s

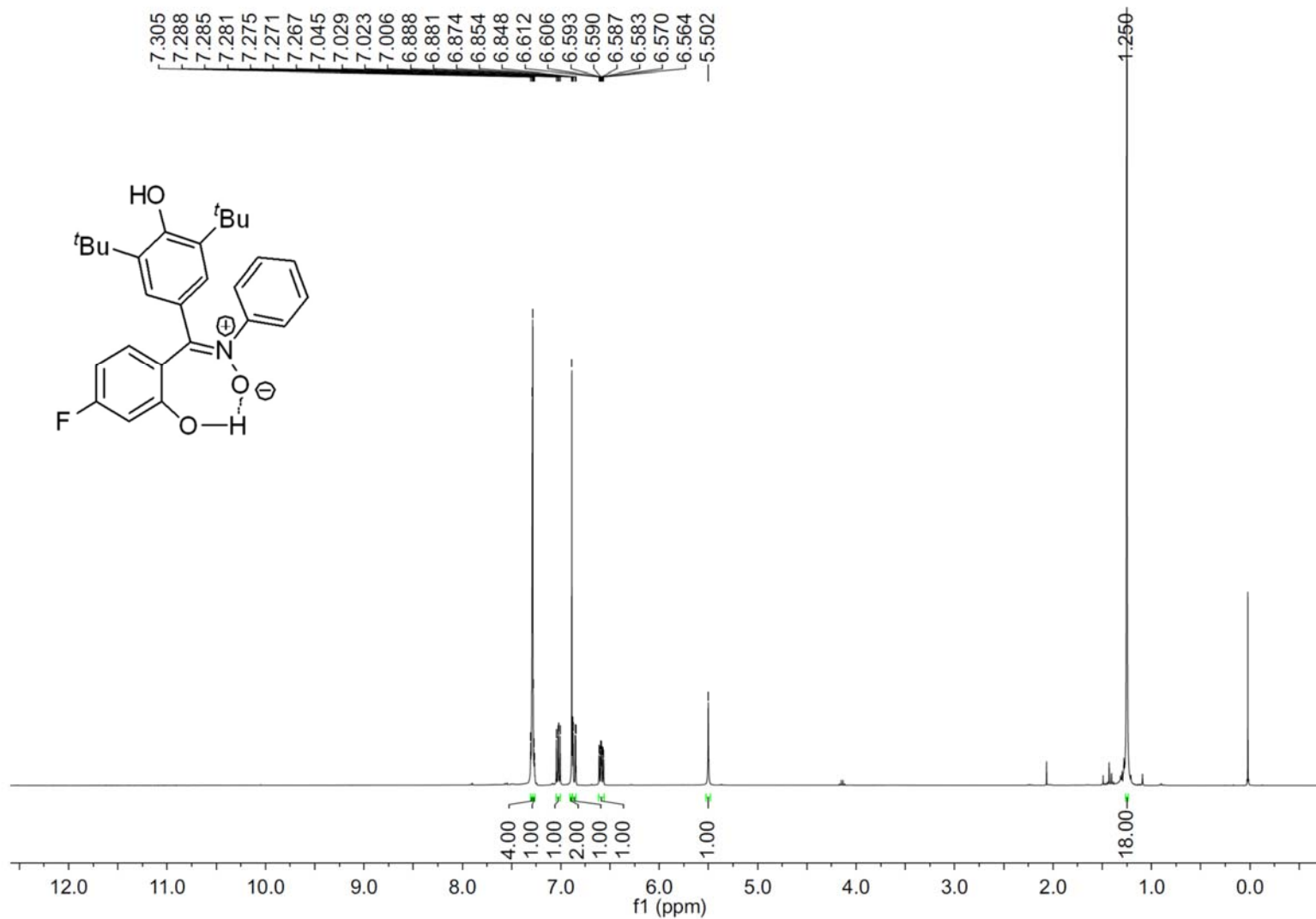




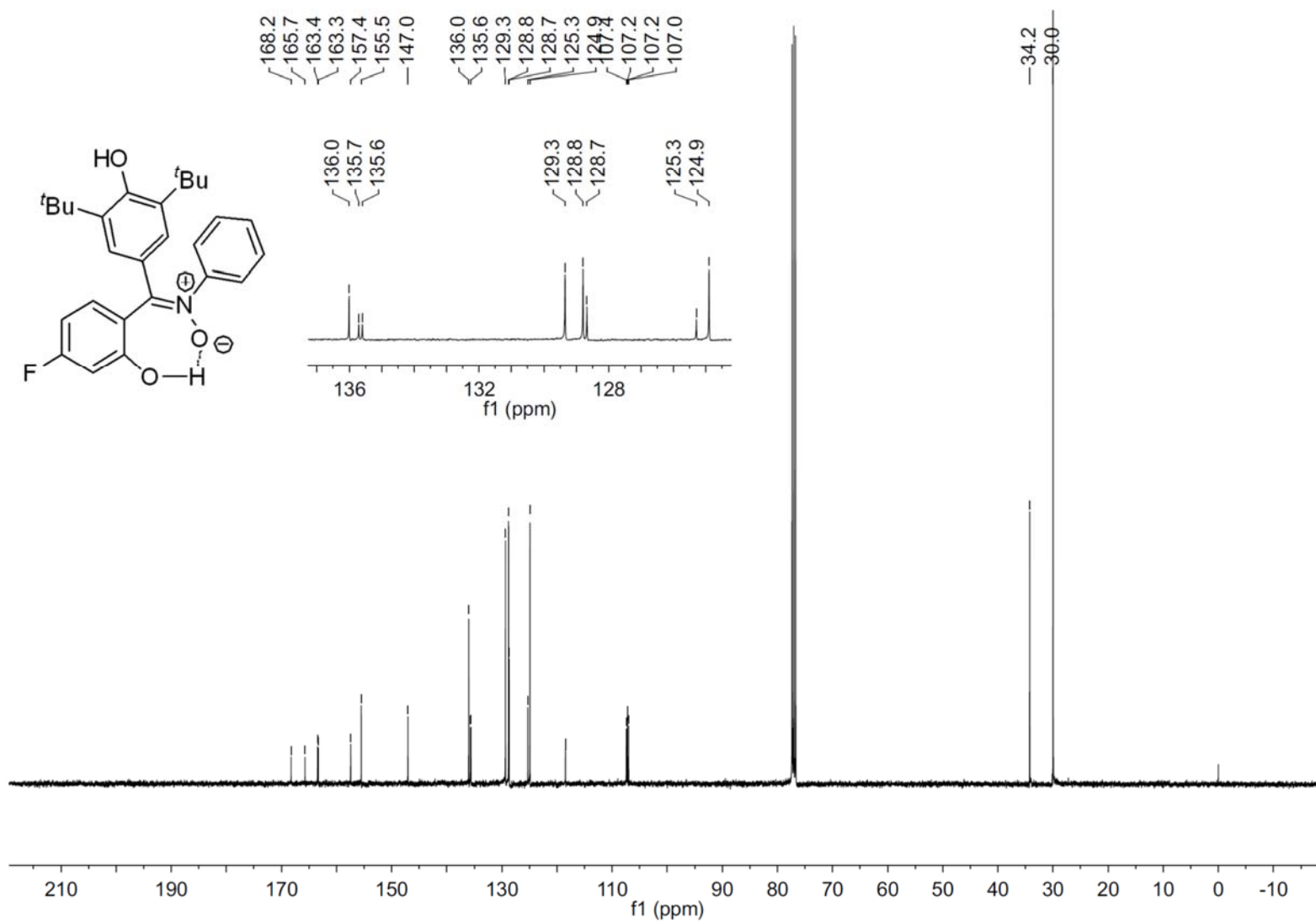
<sup>1</sup>H NMR Spectrum of Compound 3t



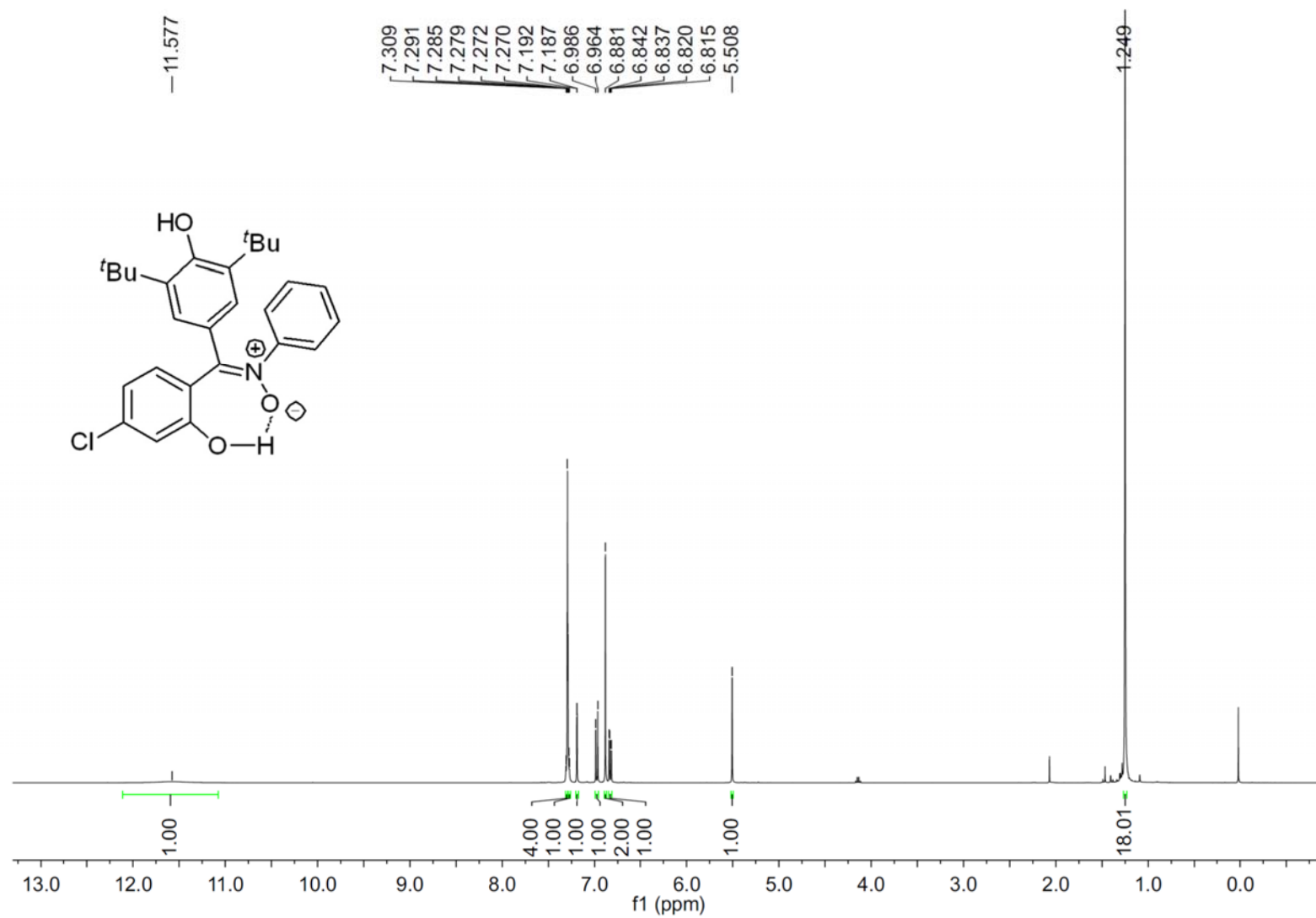
<sup>13</sup>C NMR Spectrum of Compound 3t



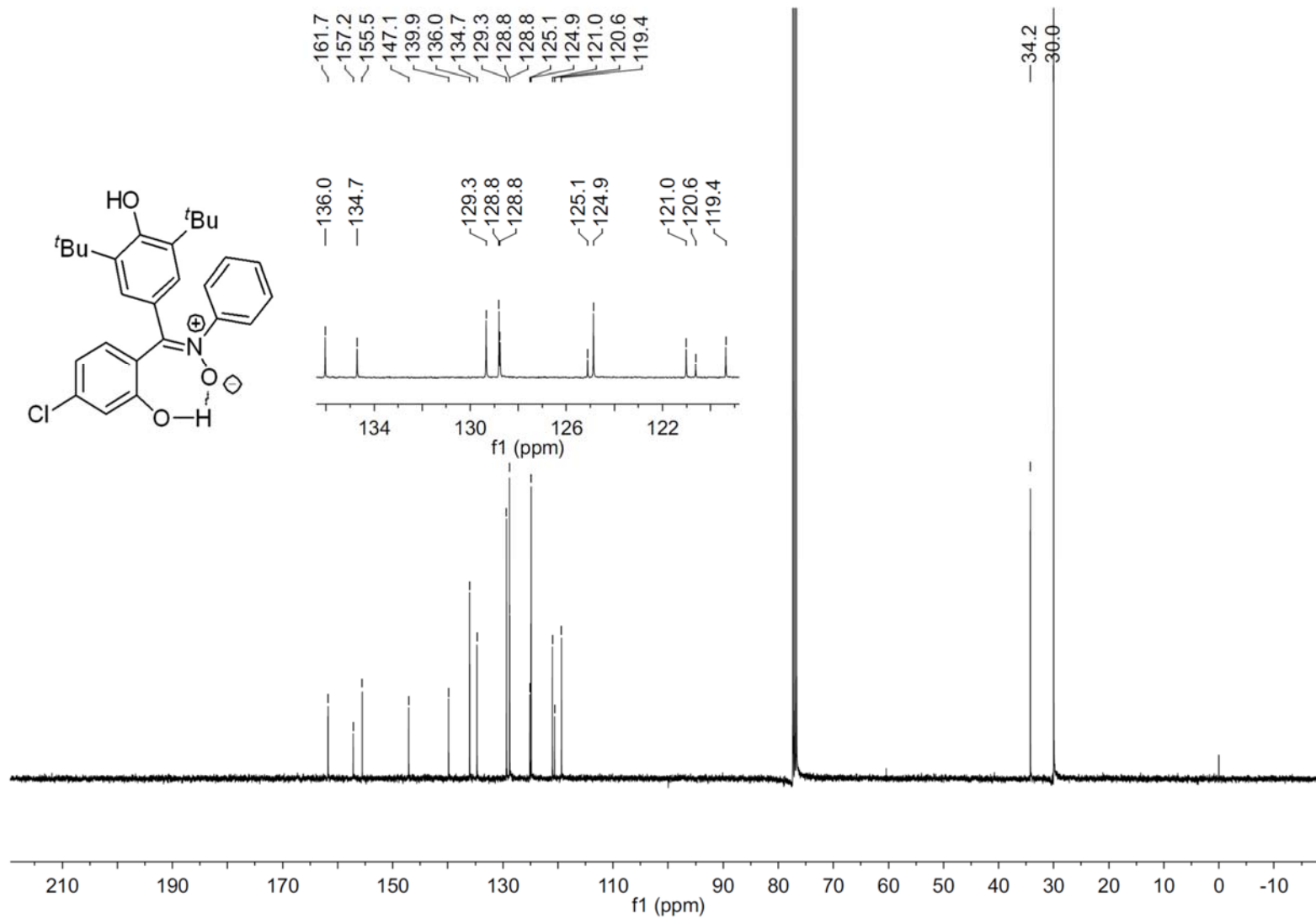
<sup>1</sup>H NMR Spectrum of Compound 3u



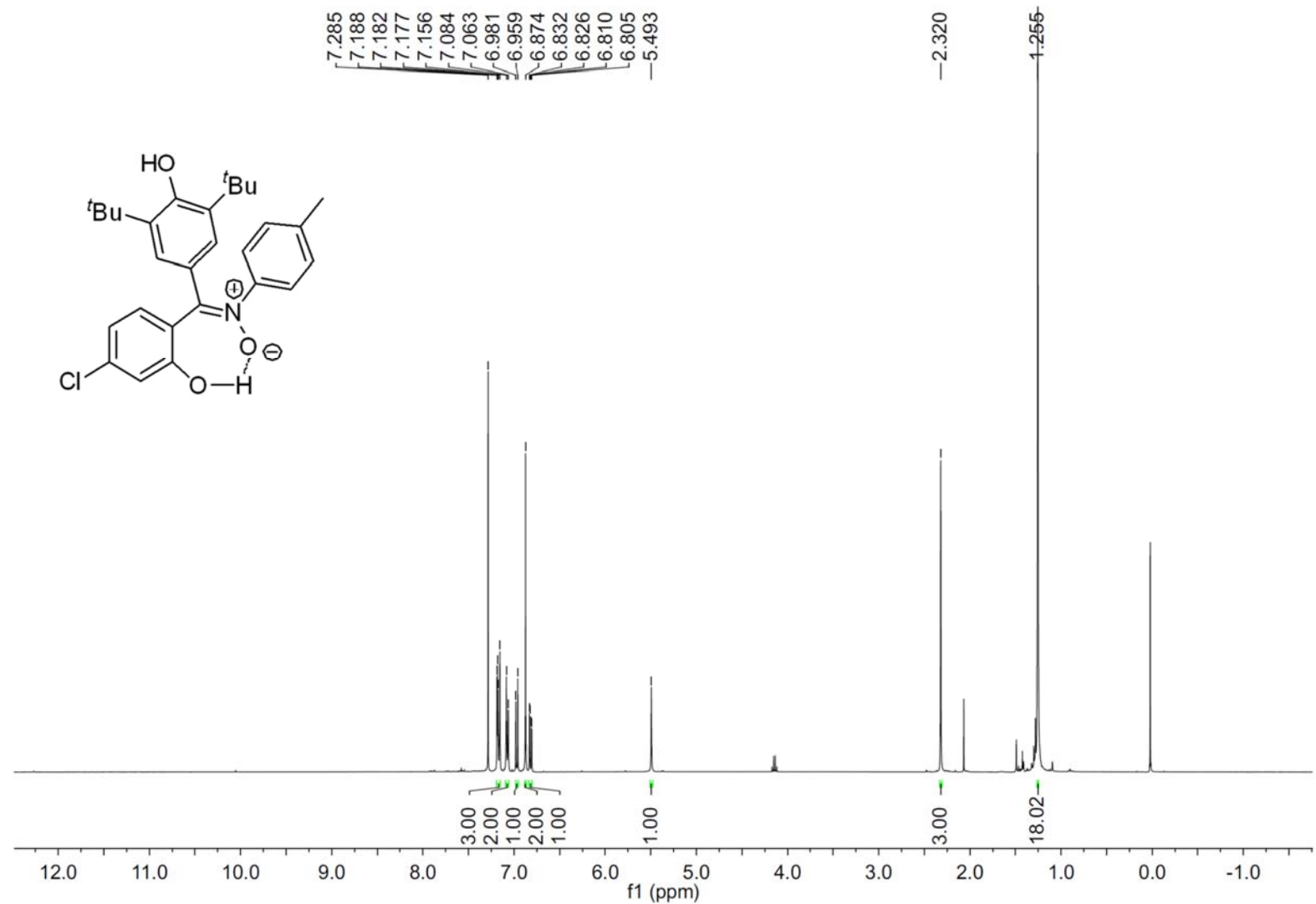
**<sup>13</sup>C NMR Spectrum of Compound 3u**



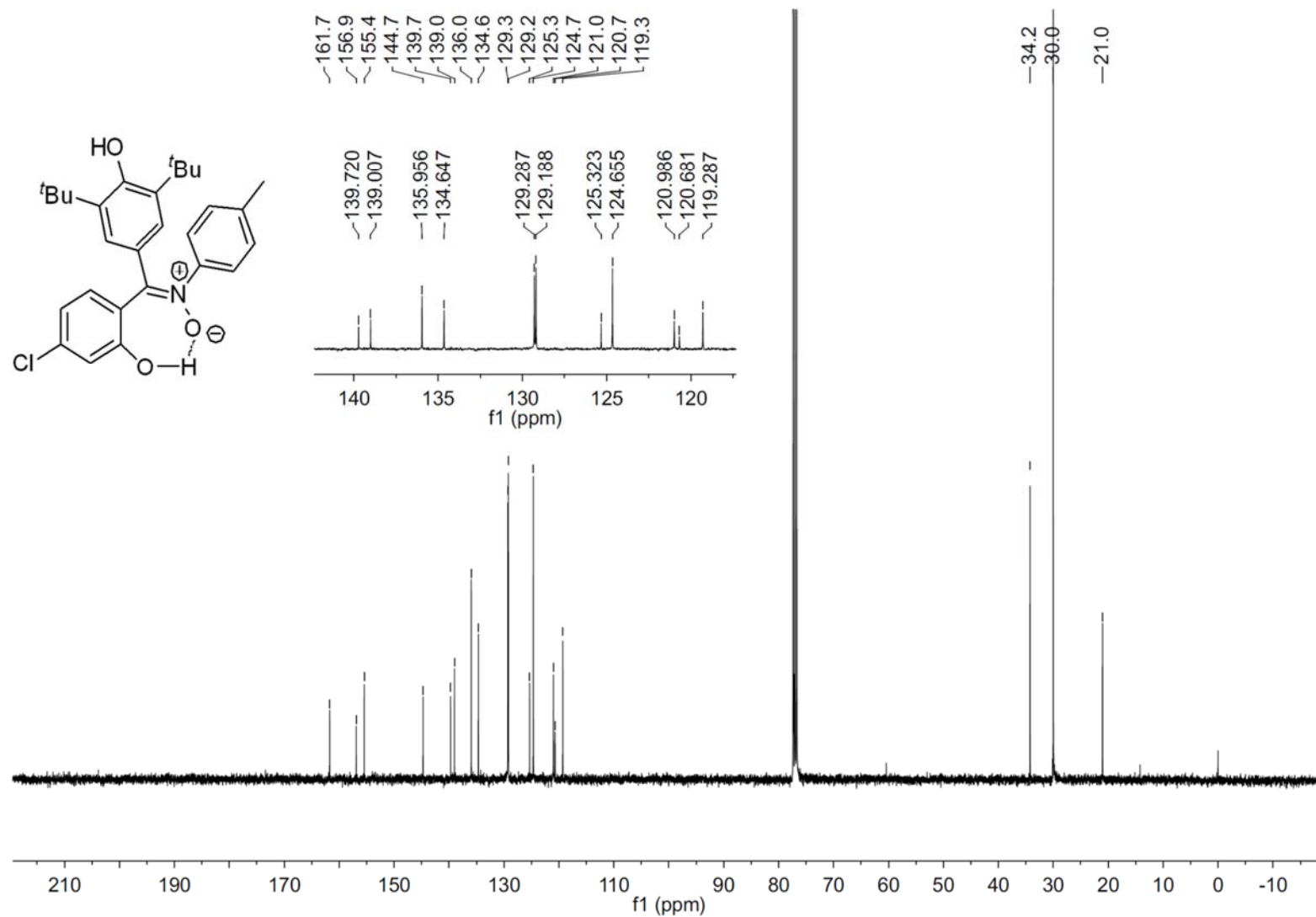
<sup>1</sup>H NMR Spectrum of Compound 3v



<sup>13</sup>C NMR Spectrum of Compound 3v

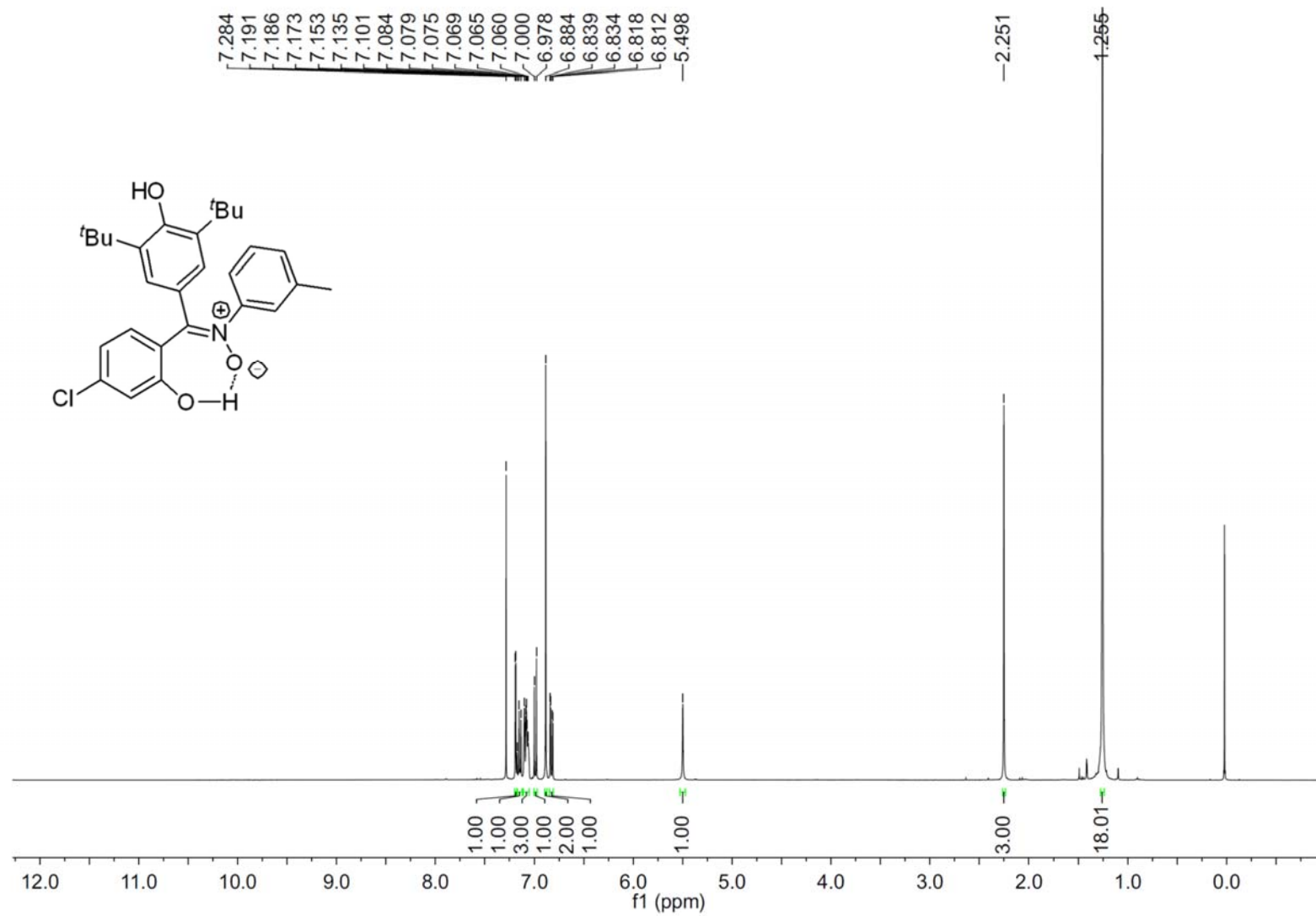


<sup>1</sup>H NMR Spectrum of Compound 3w

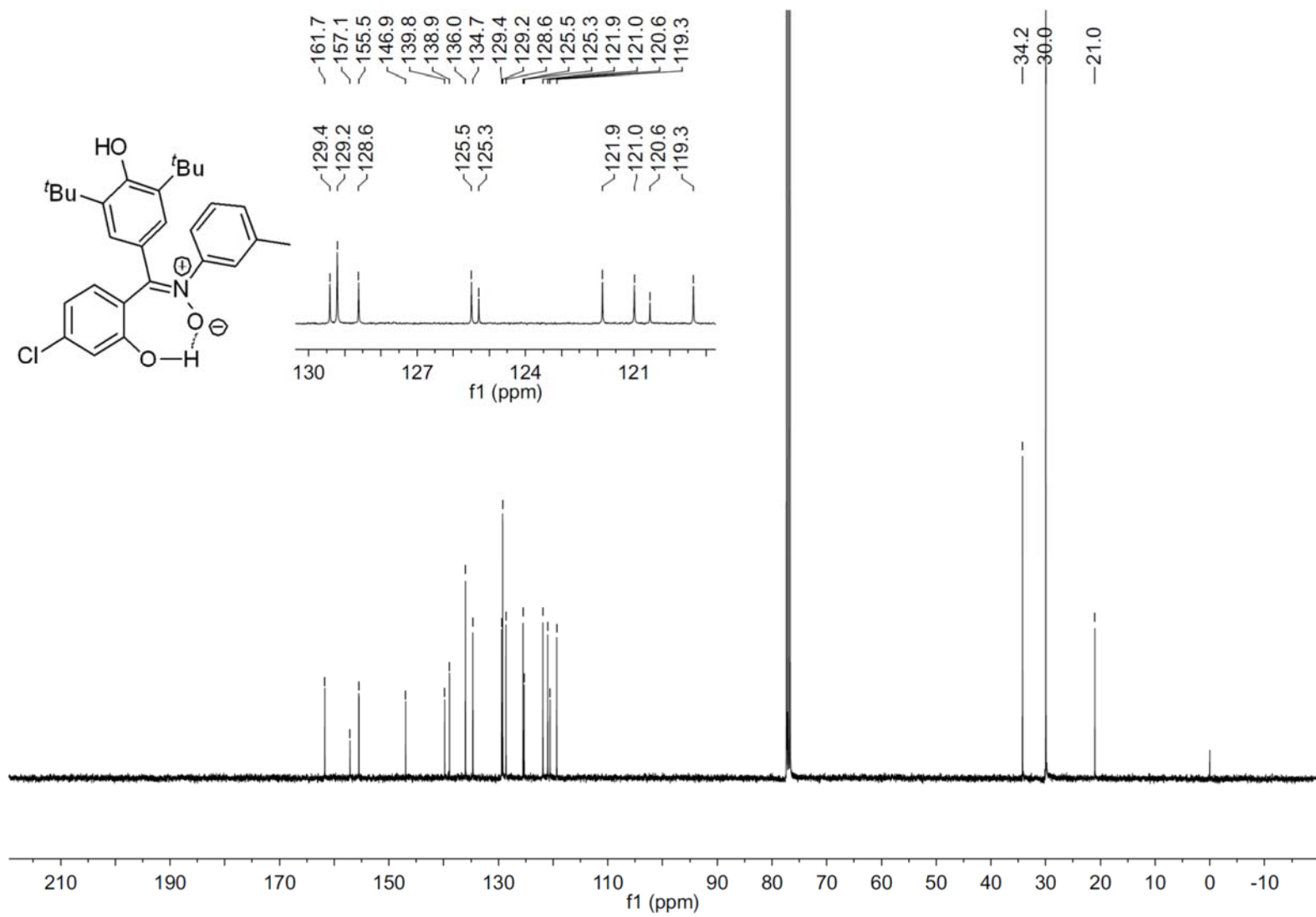


<sup>13</sup>C NMR Spectrum of Compound 3w

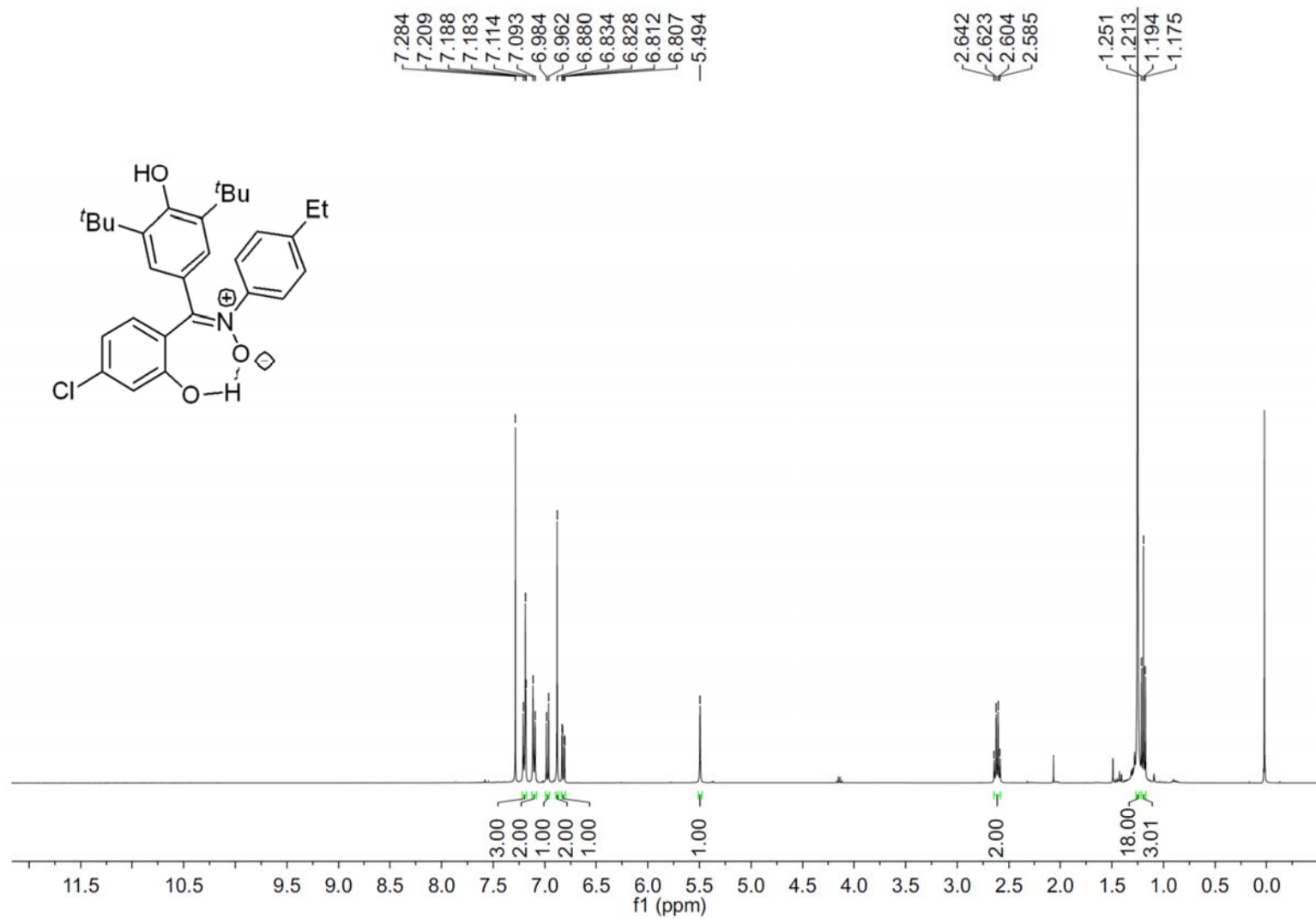




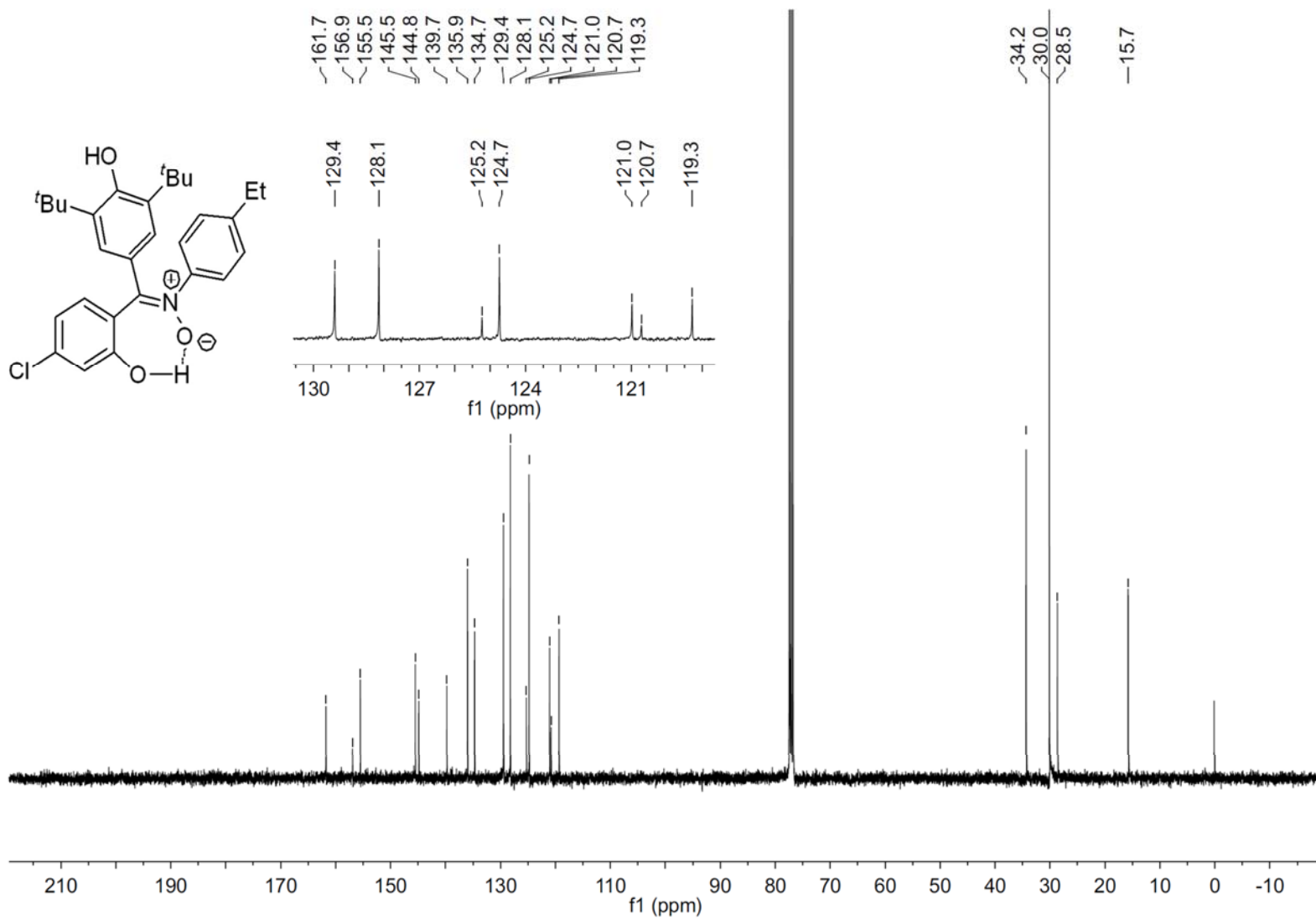
<sup>1</sup>H NMR Spectrum of Compound 3x



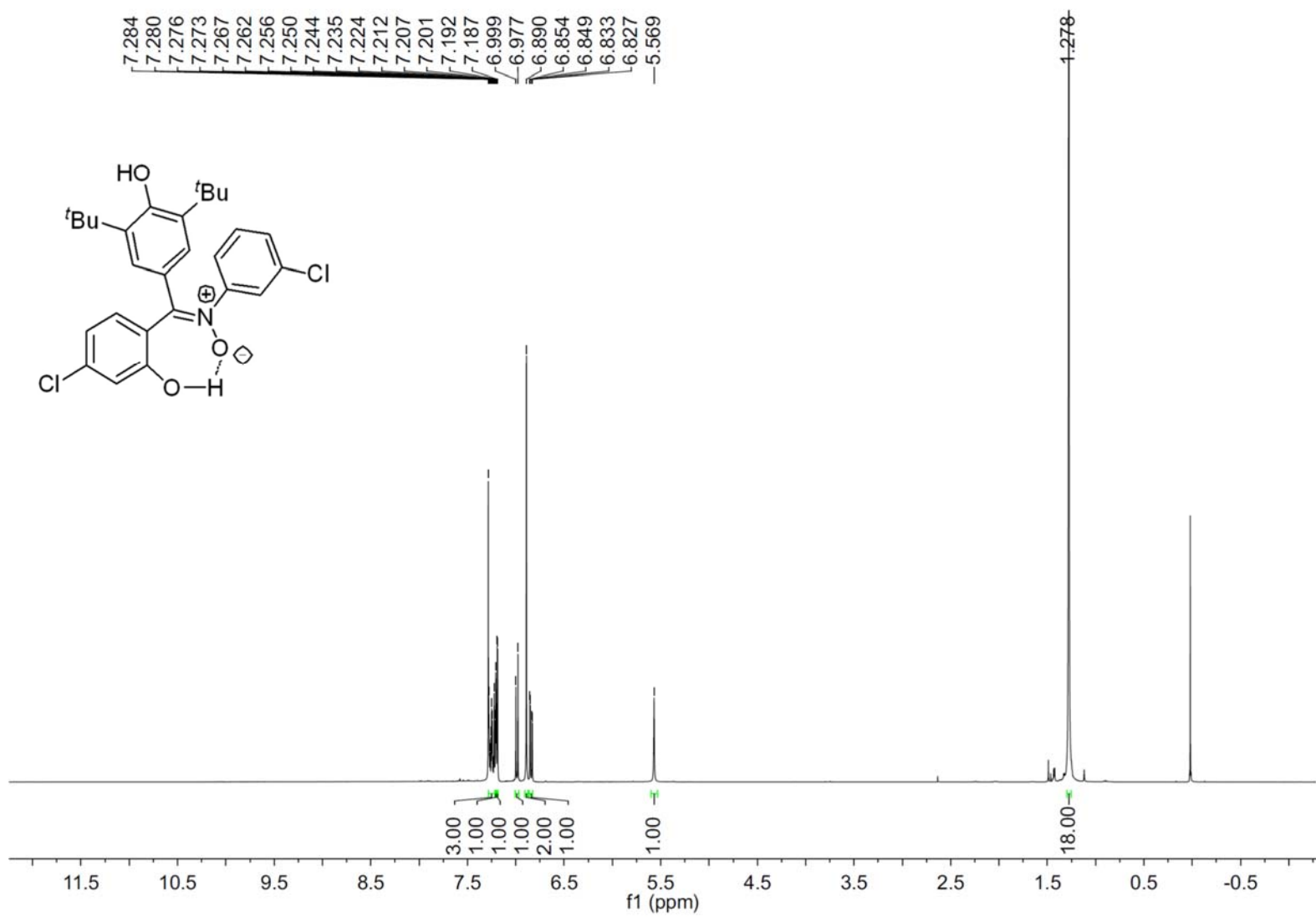
<sup>13</sup>C NMR Spectrum of Compound 3x



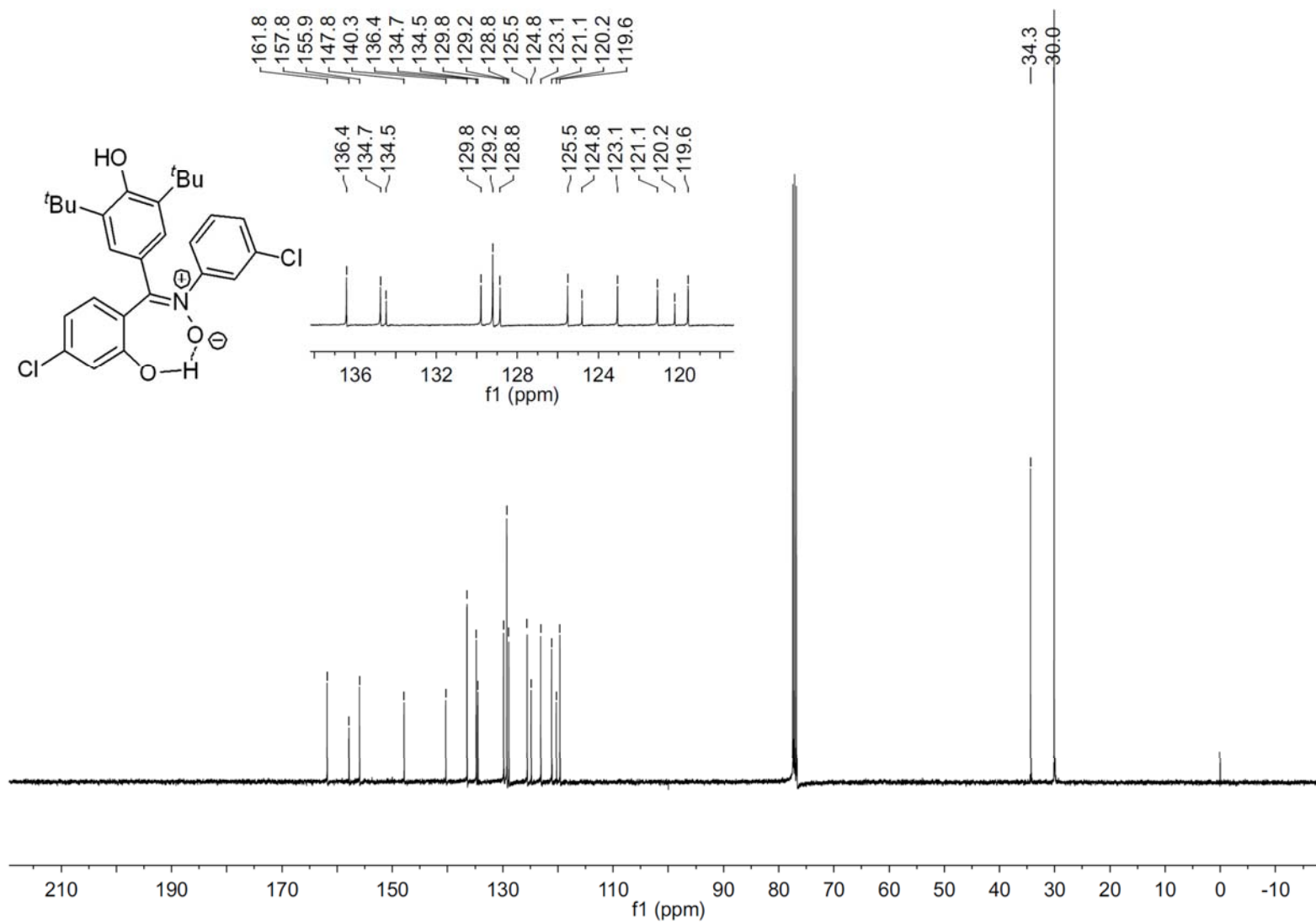
**<sup>1</sup>H NMR Spectrum of Compound 3y**



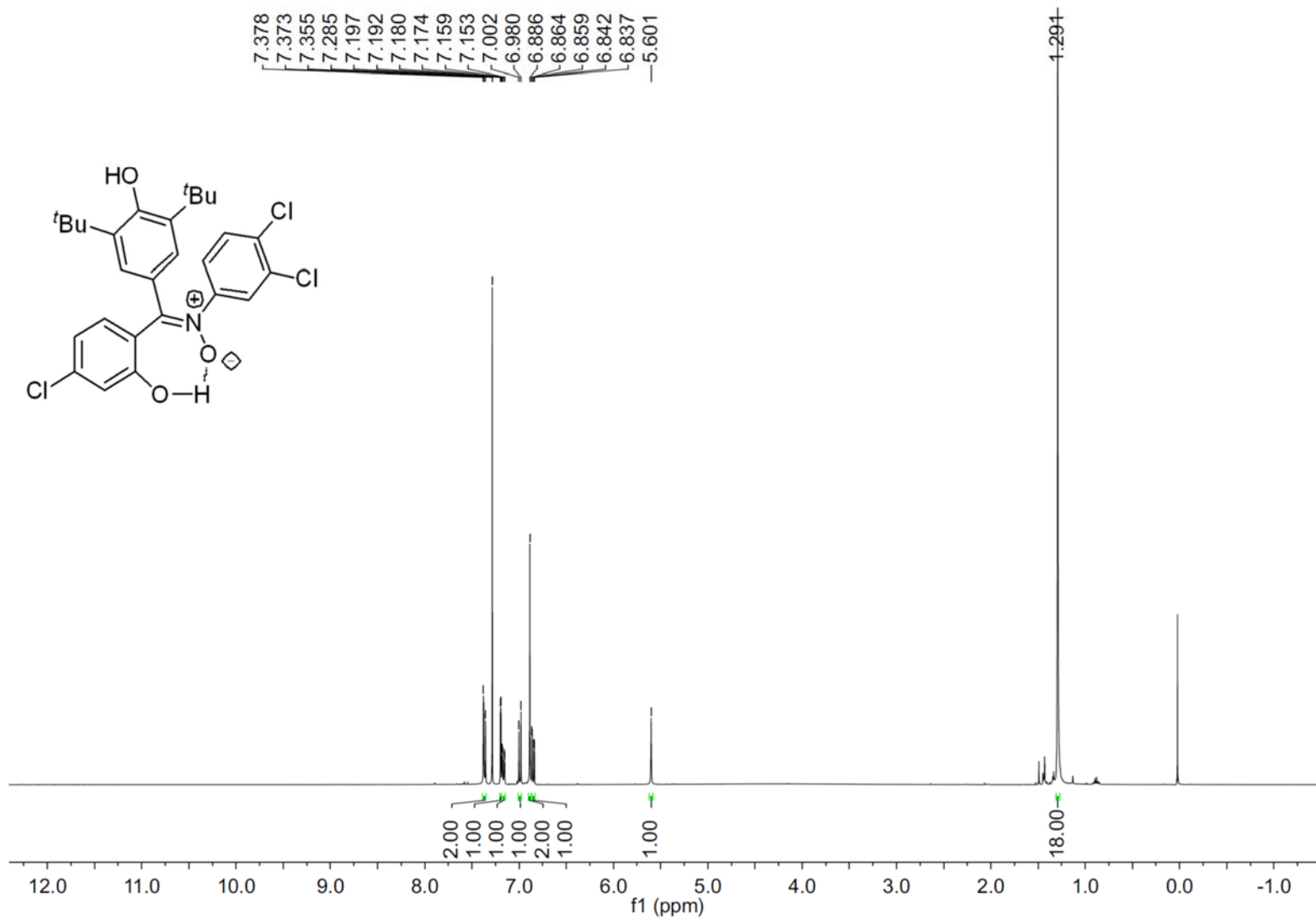
$^{13}\text{C}$  NMR Spectrum of Compound 3y



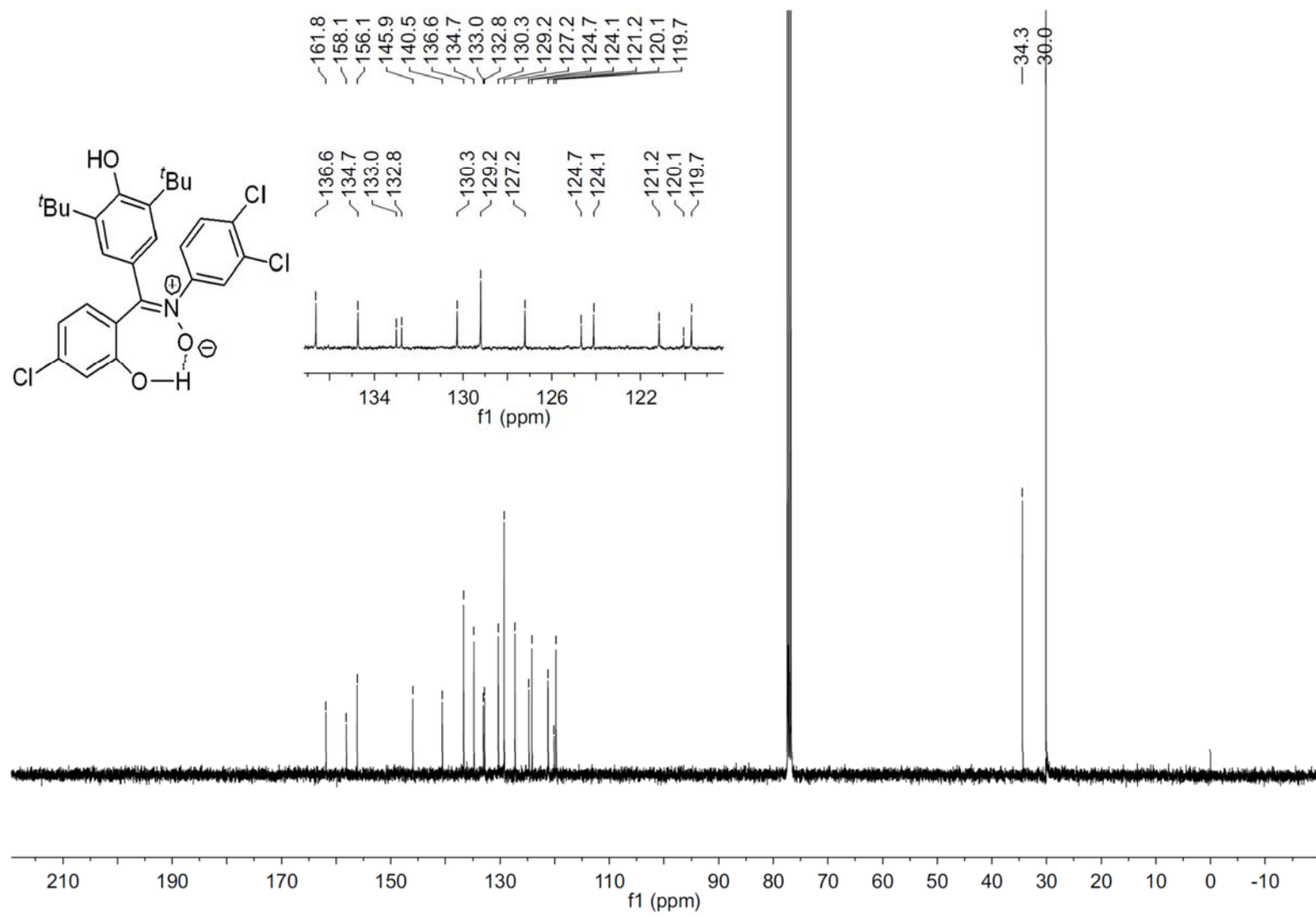
<sup>1</sup>H NMR Spectrum of Compound 3z



**<sup>13</sup>C NMR Spectrum of Compound 3z**

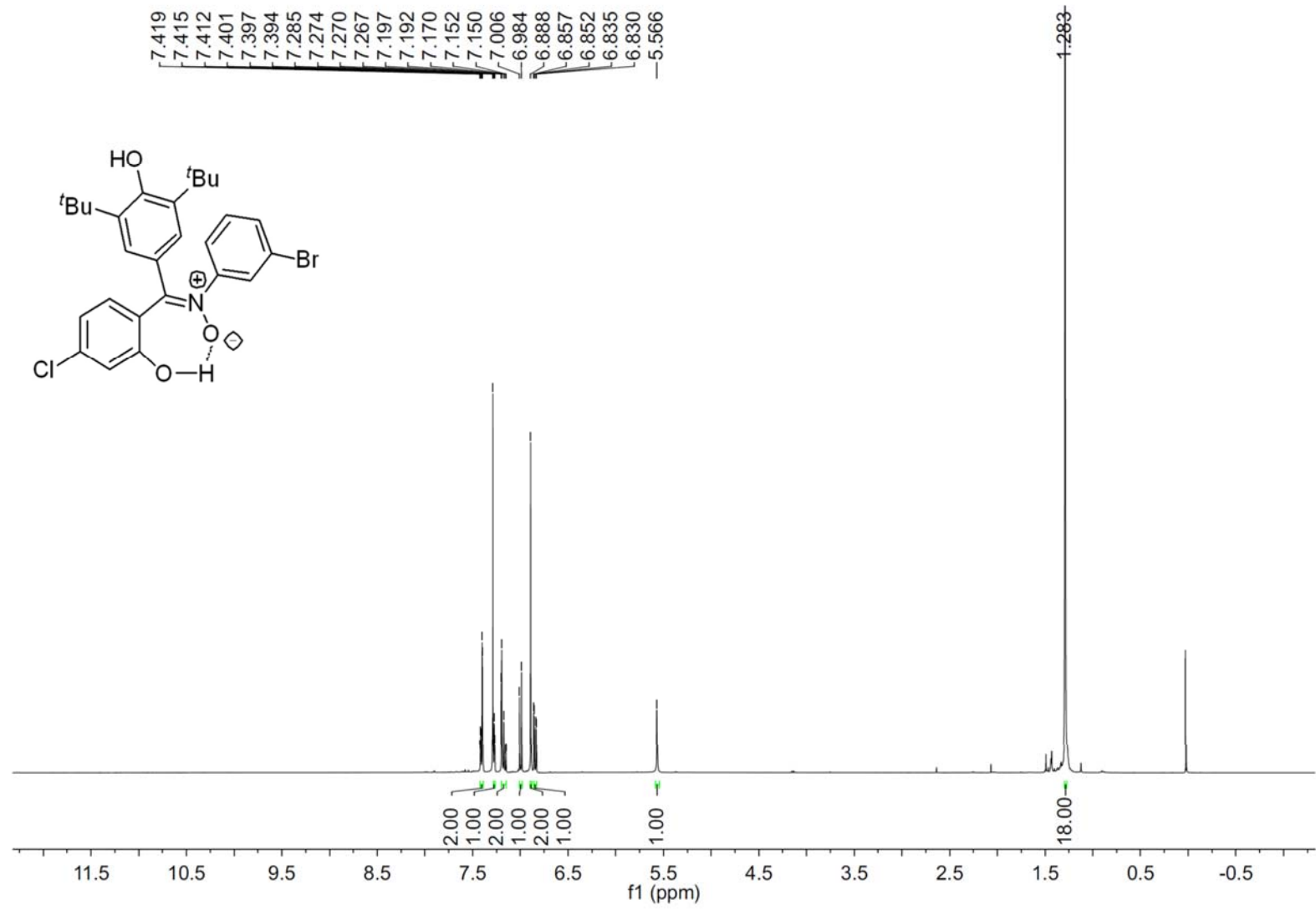


**<sup>1</sup>H NMR Spectrum of Compound 3aa**

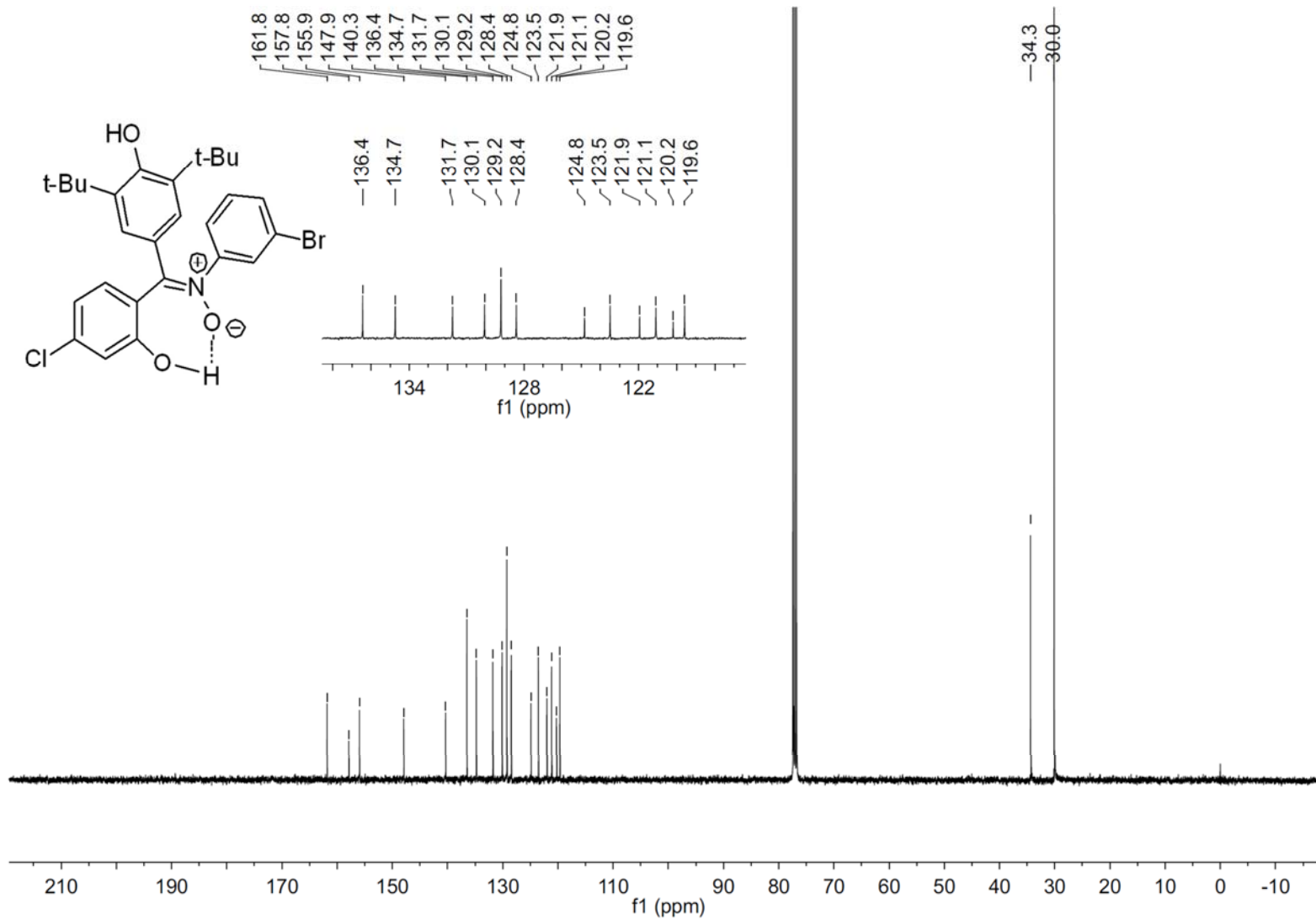


<sup>13</sup>C NMR Spectrum of Compound 3aa

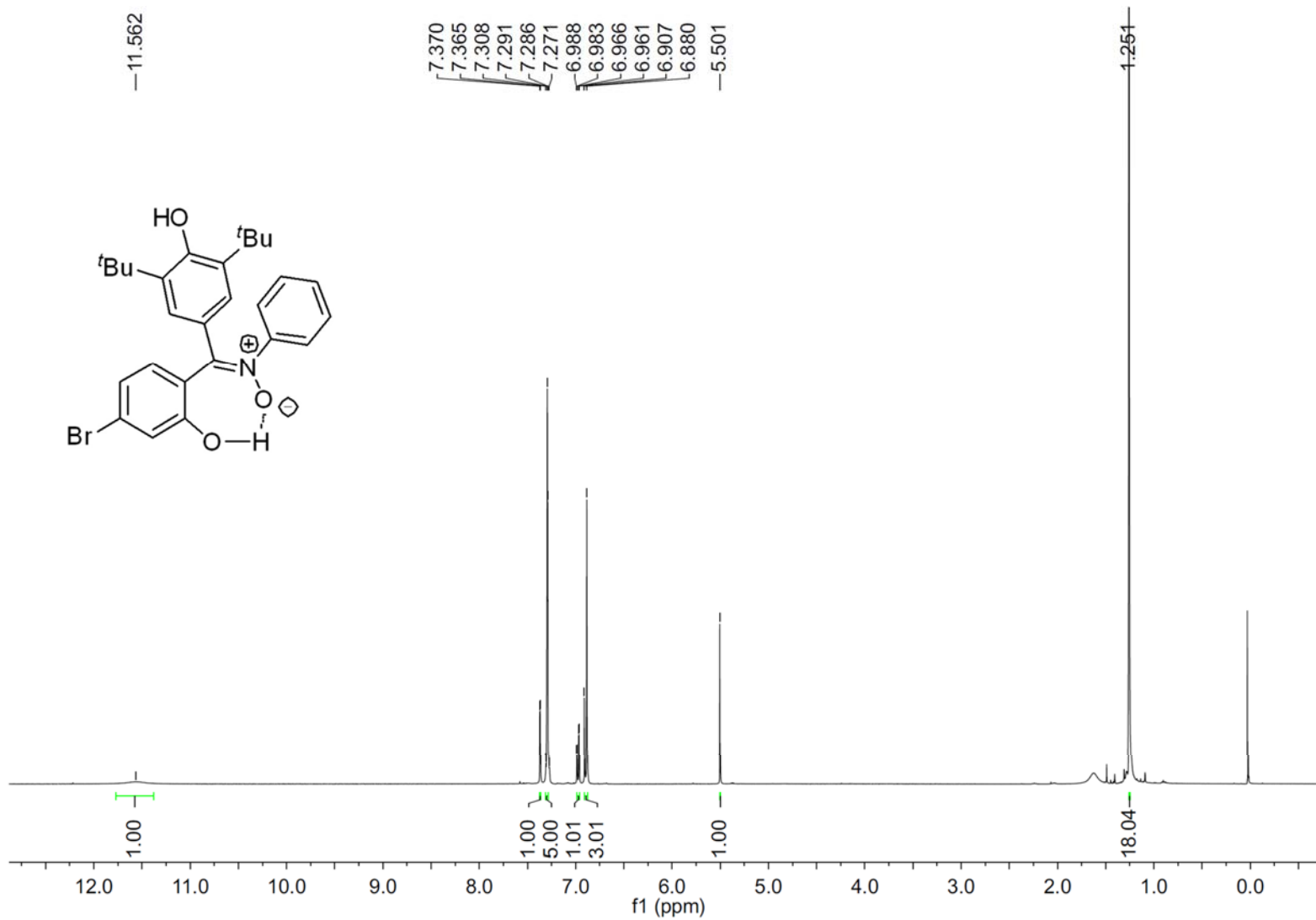




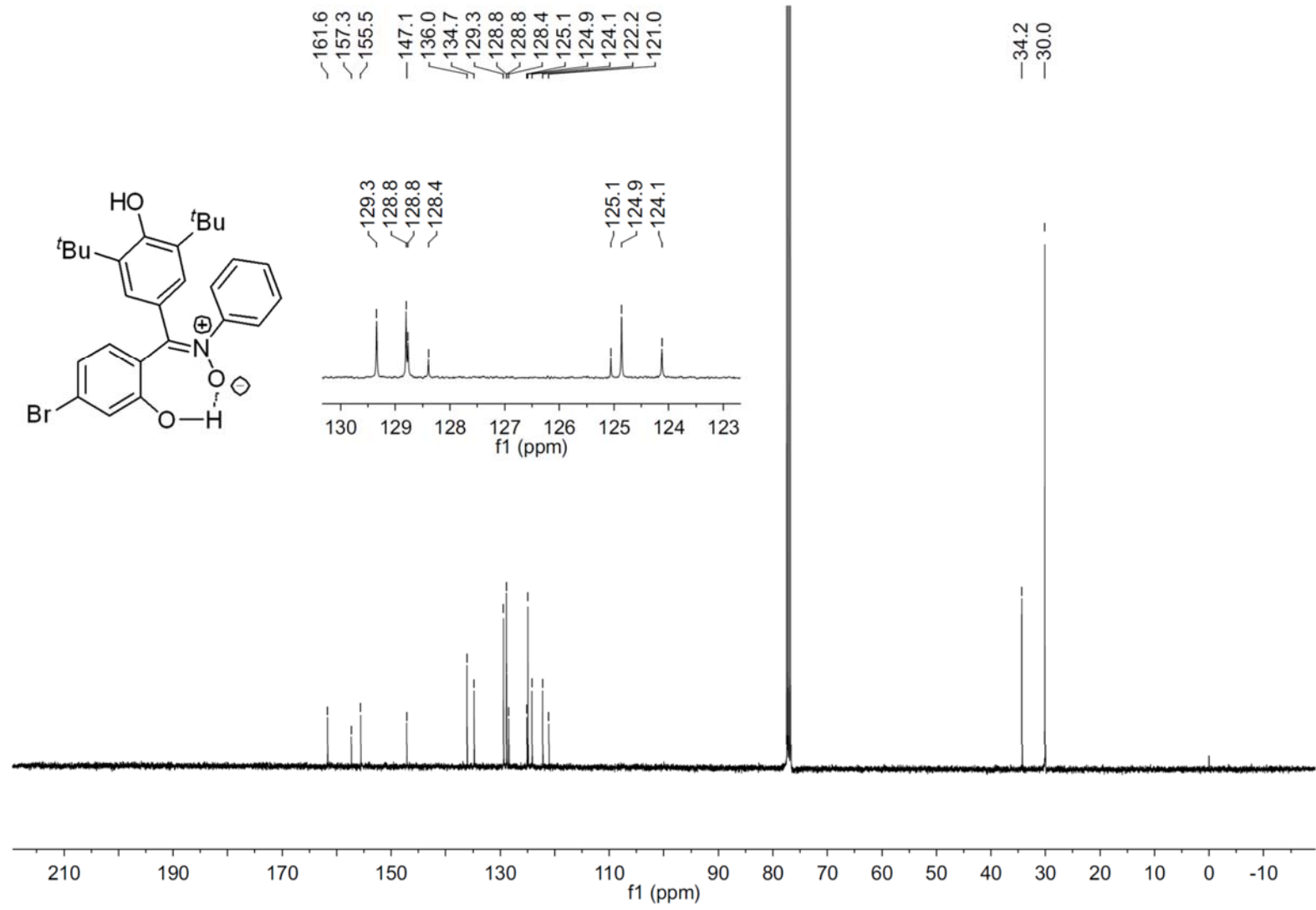
<sup>1</sup>H NMR Spectrum of Compound 3bb



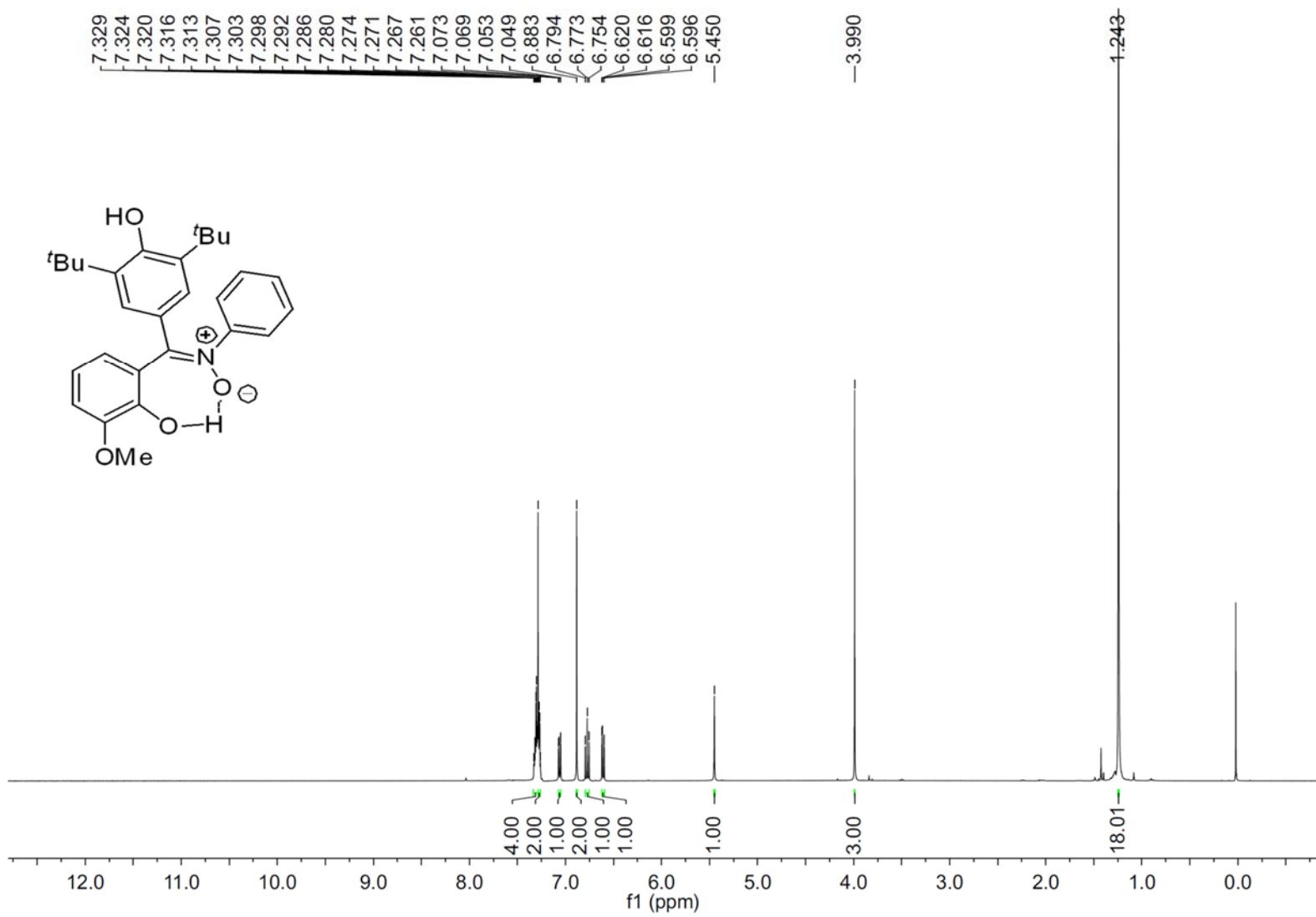
**<sup>13</sup>C NMR Spectrum of Compound 3bb**



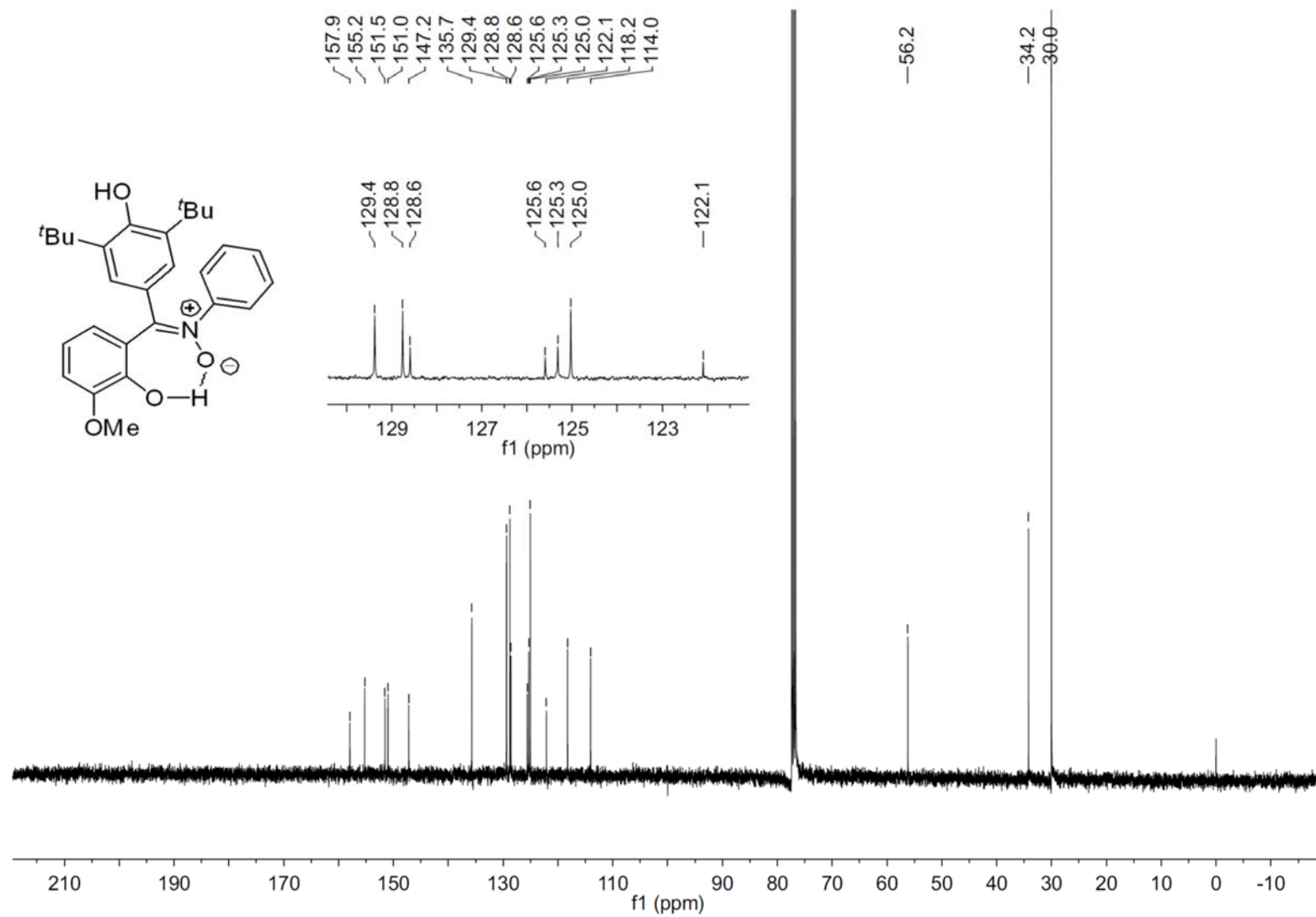
<sup>1</sup>H NMR Spectrum of Compound 3cc



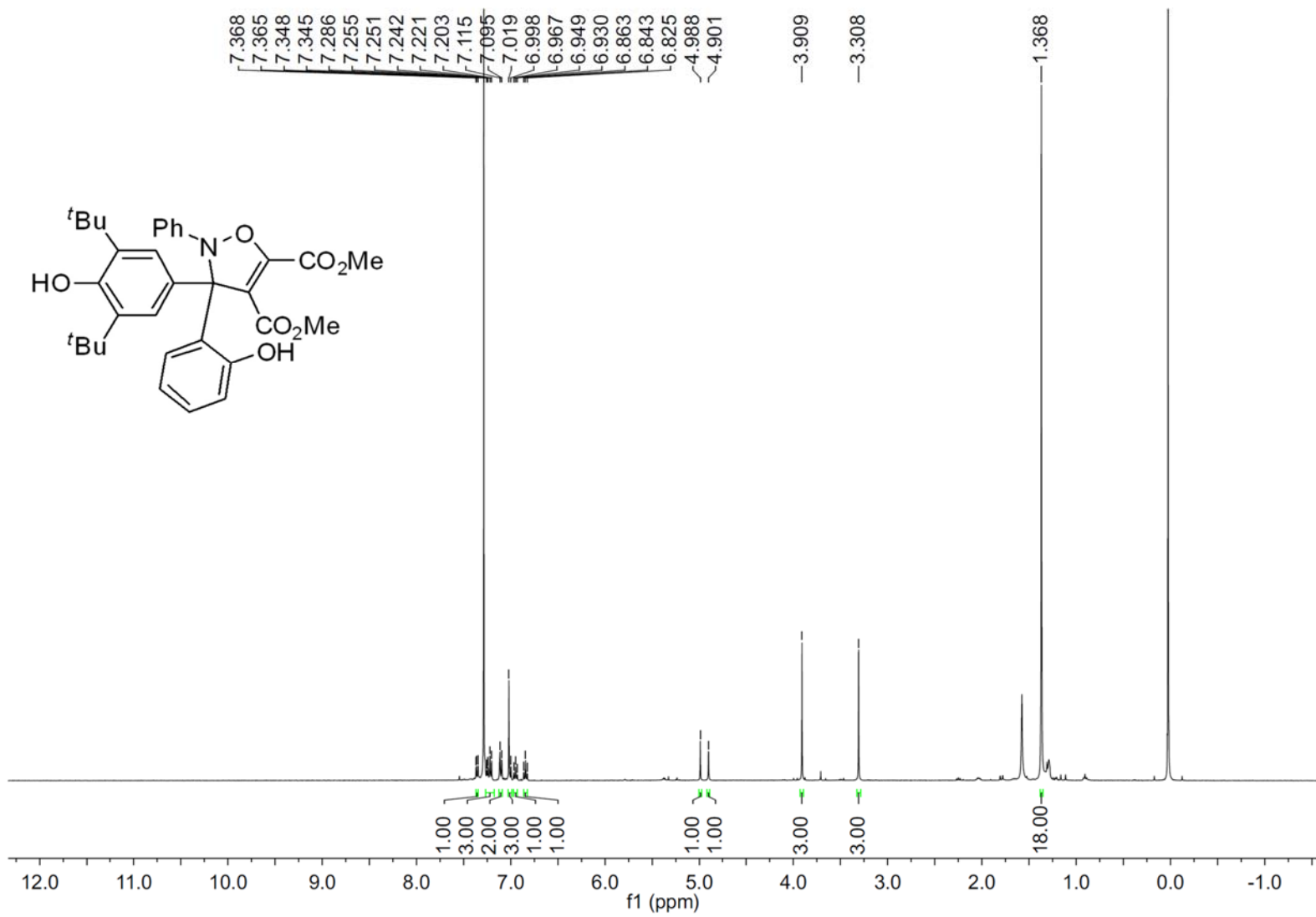
$^{13}\text{C}$  NMR Spectrum of Compound 3cc



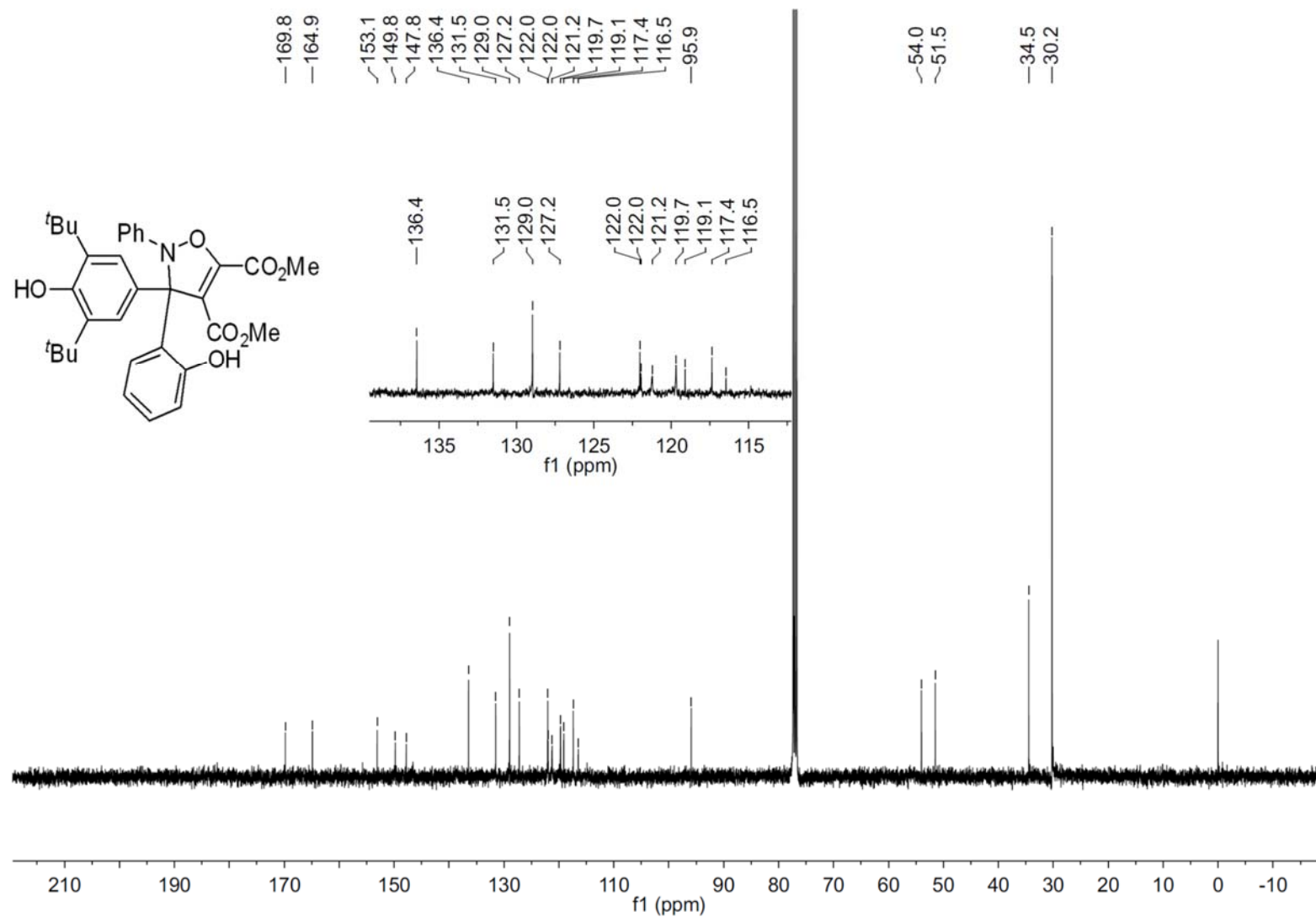
**<sup>1</sup>H NMR Spectrum of Compound 3dd**



<sup>13</sup>C NMR Spectrum of Compound 3dd

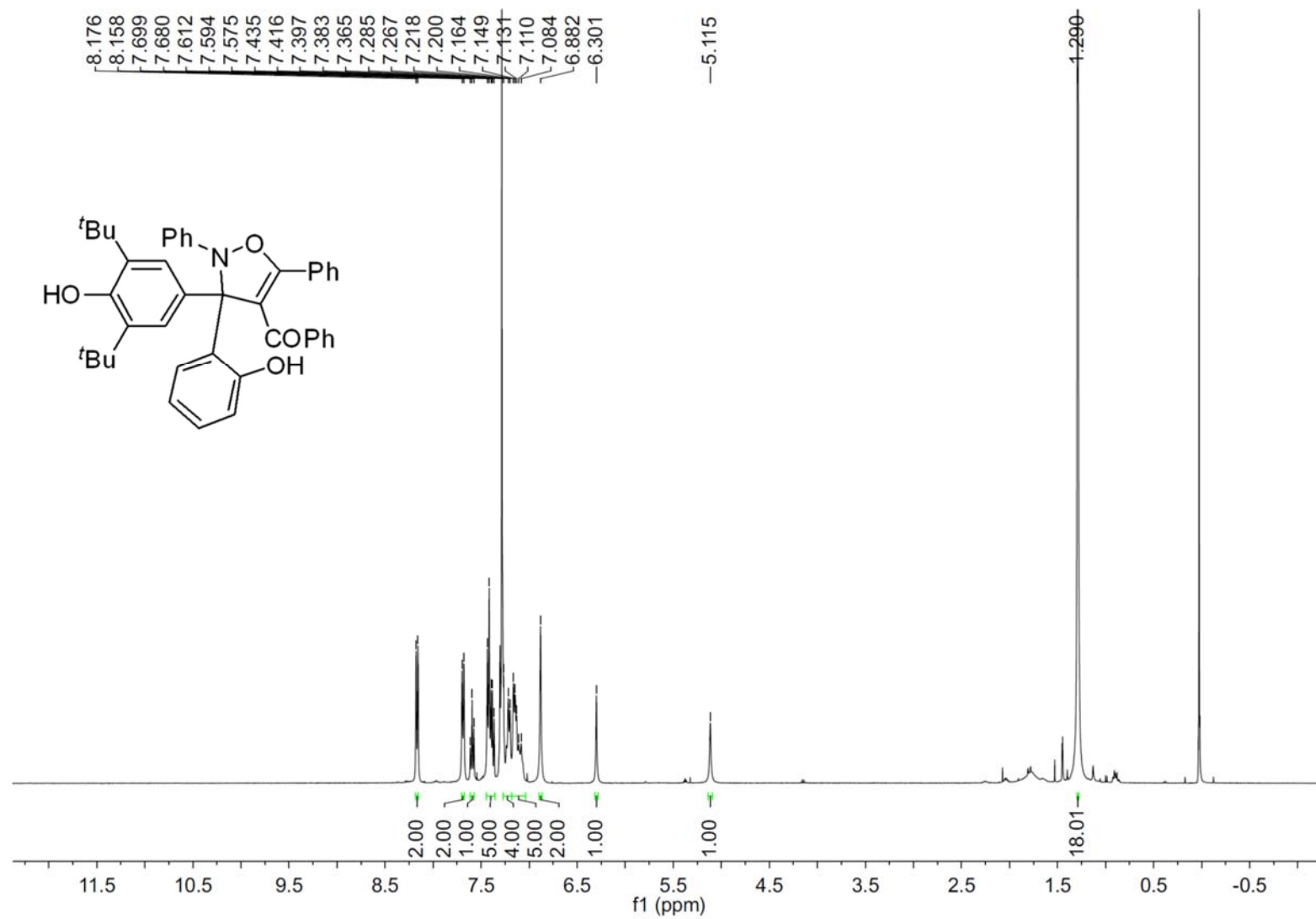


<sup>1</sup>H NMR Spectrum of Compound 5a

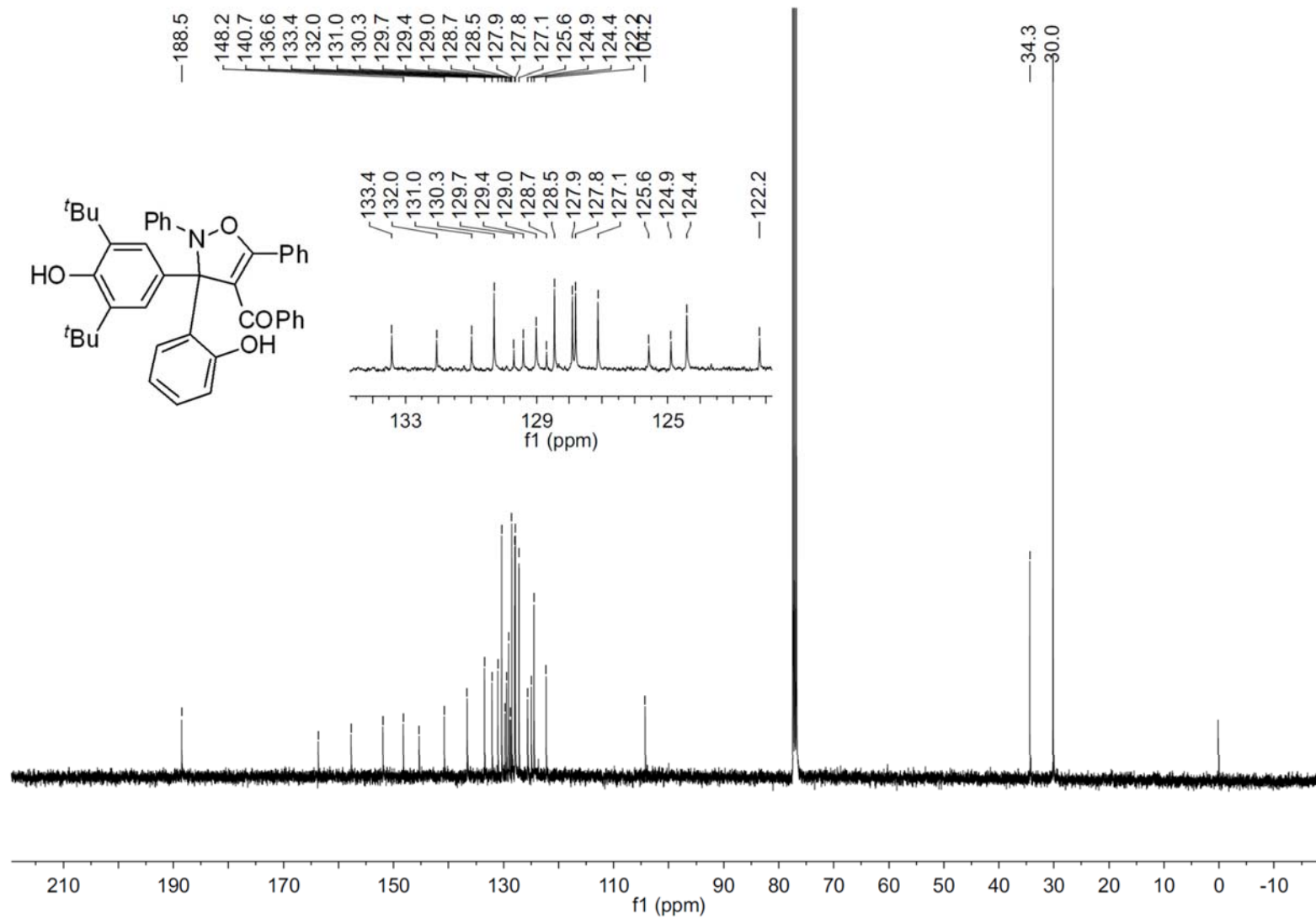


<sup>13</sup>C NMR Spectrum of Compound 5a





**<sup>1</sup>H NMR Spectrum of Compound 6a**



**<sup>13</sup>C NMR Spectrum of Compound 6a**