

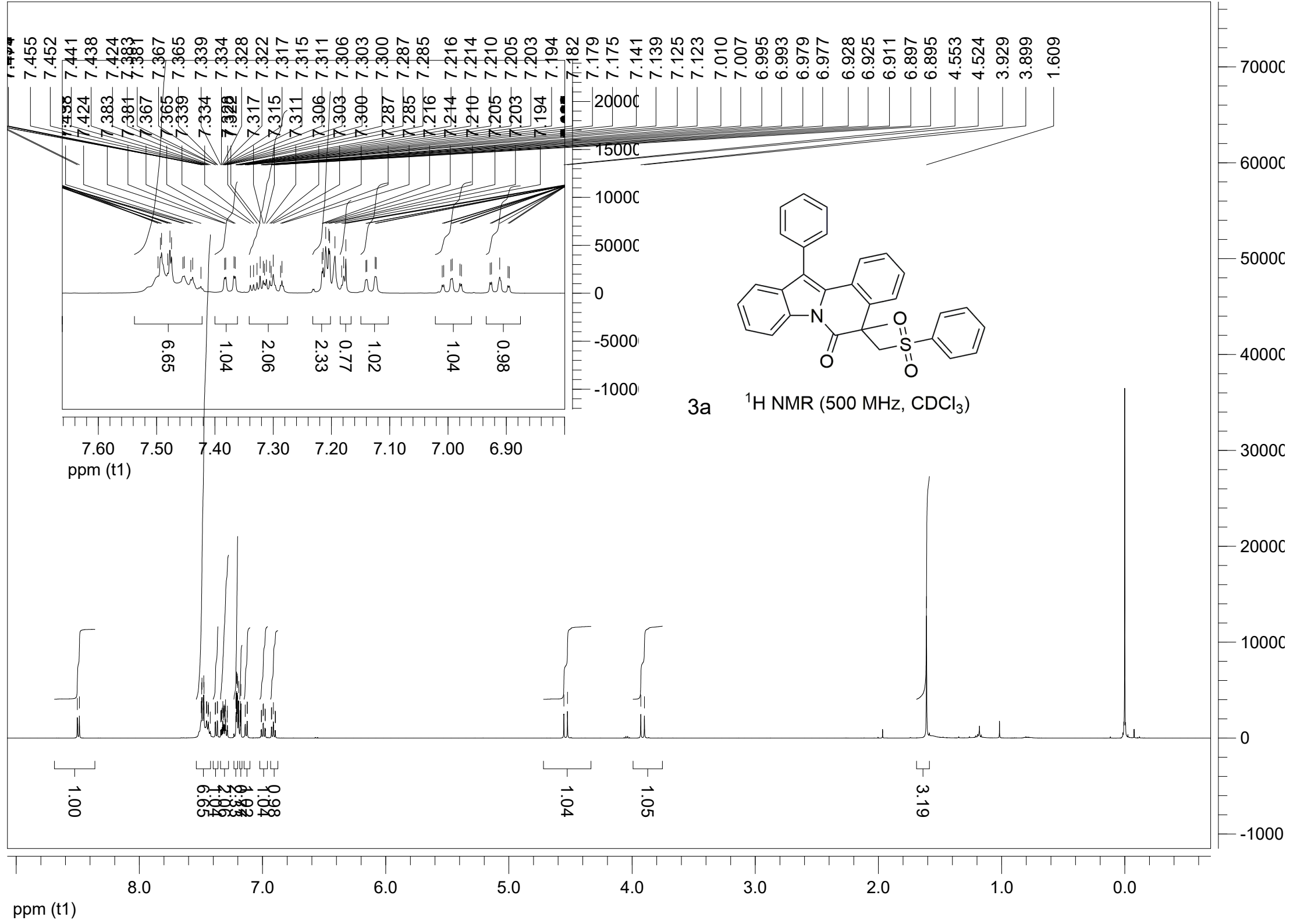
## ***Supporting Information***

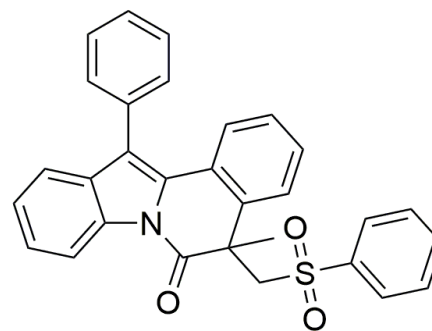
### **The synthesis of anticancer sulfonated indolo[2,1-*a*]isoquinoline and benzimidazo[2,1-*a*]isoquinolin-6(5*H*)-ones derivatives via free radical cascade pathway**

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Teconology Insititute, Hangzhou, Zhejiang, China;





3a  $^{13}\text{C}$  NMR (500 MHz,  $\text{CDCl}_3$ )

170.595  
140.252  
134.487  
134.336  
134.055  
133.240  
132.415  
130.215  
129.355  
128.856  
128.228  
128.054  
127.757  
127.405  
126.861  
126.010  
125.483  
125.189  
124.774  
120.984  
119.525  
116.888

64.396  
46.692  
31.543

5000C

0

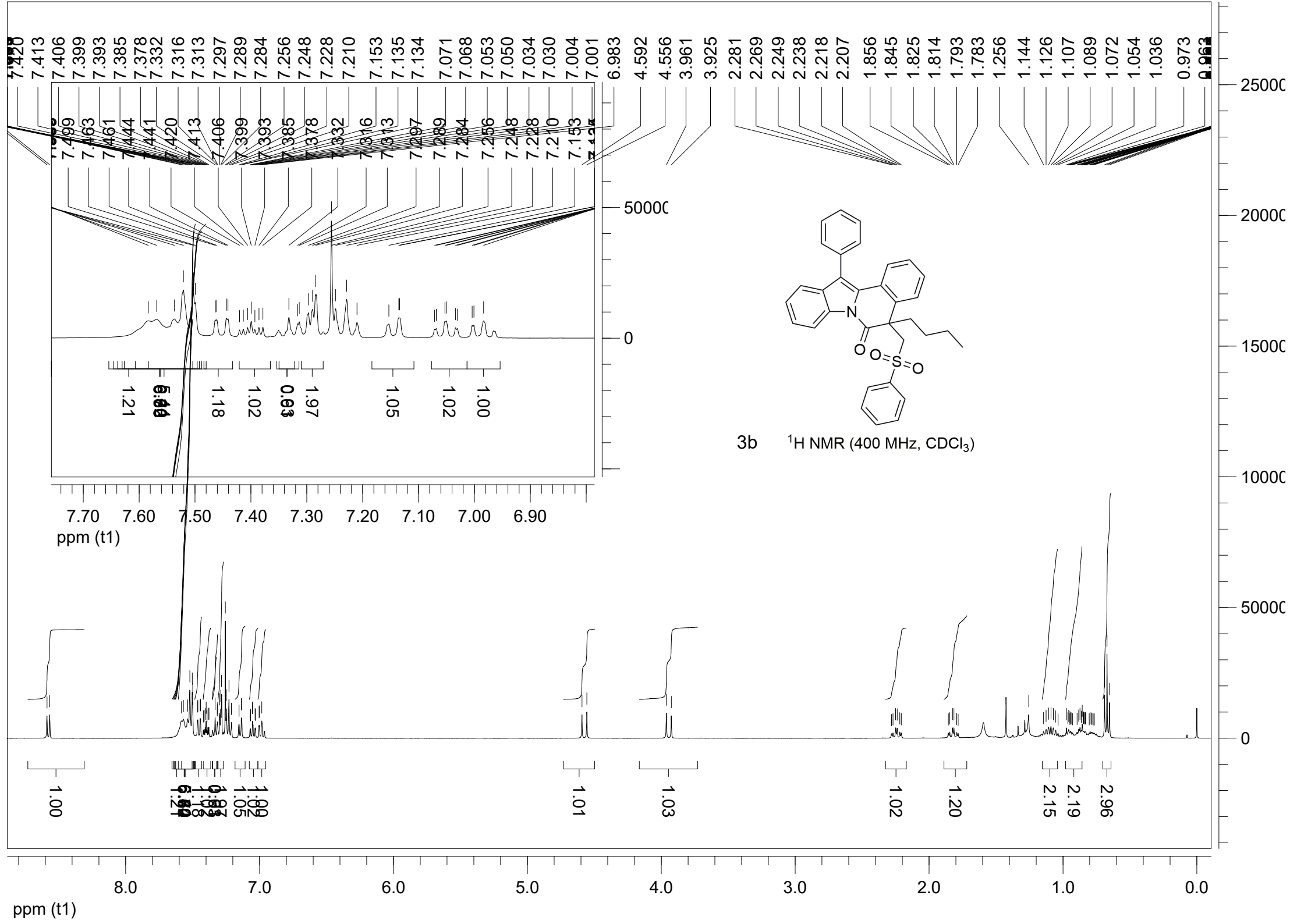
ppm (t1)

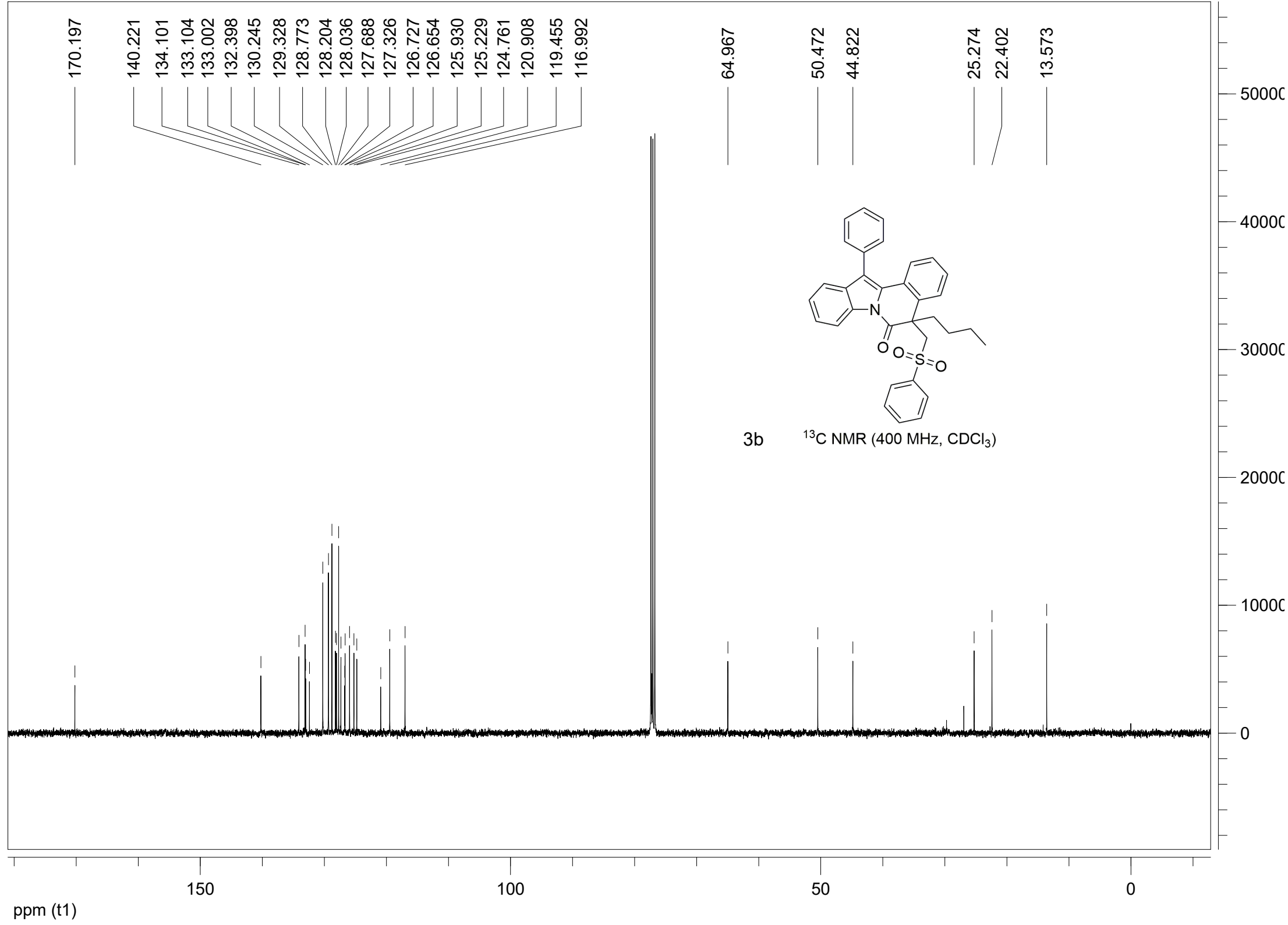
150

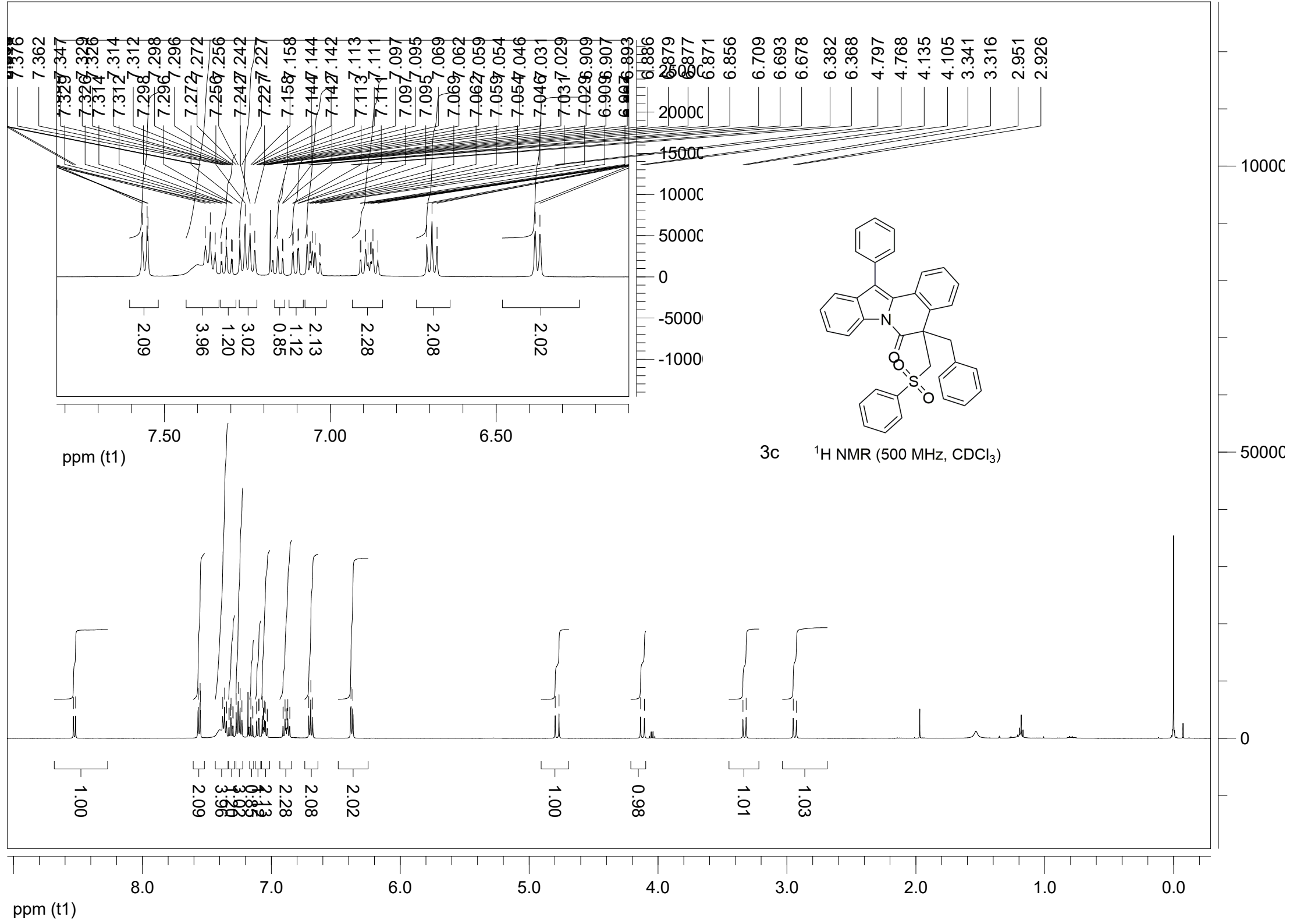
100

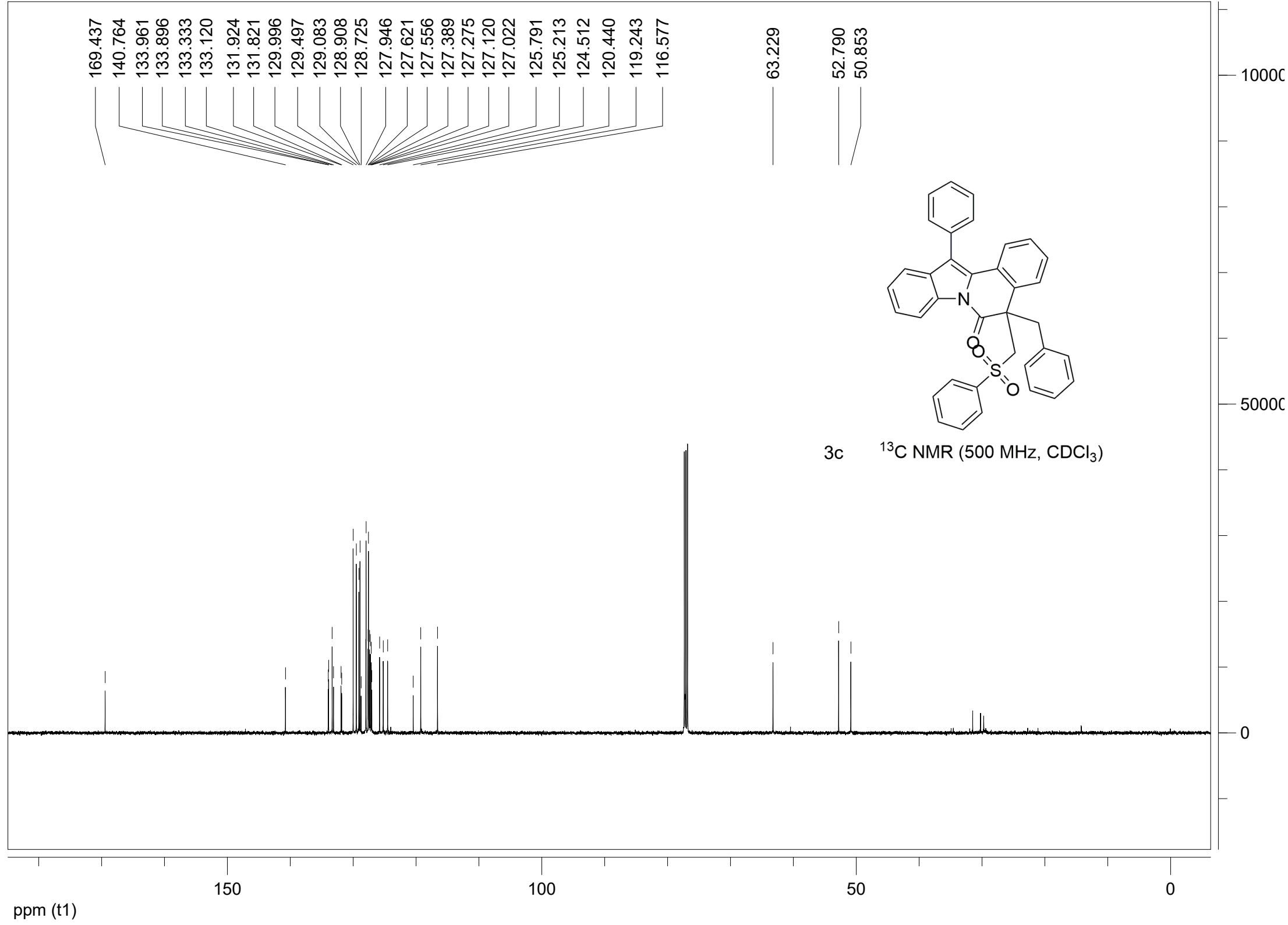
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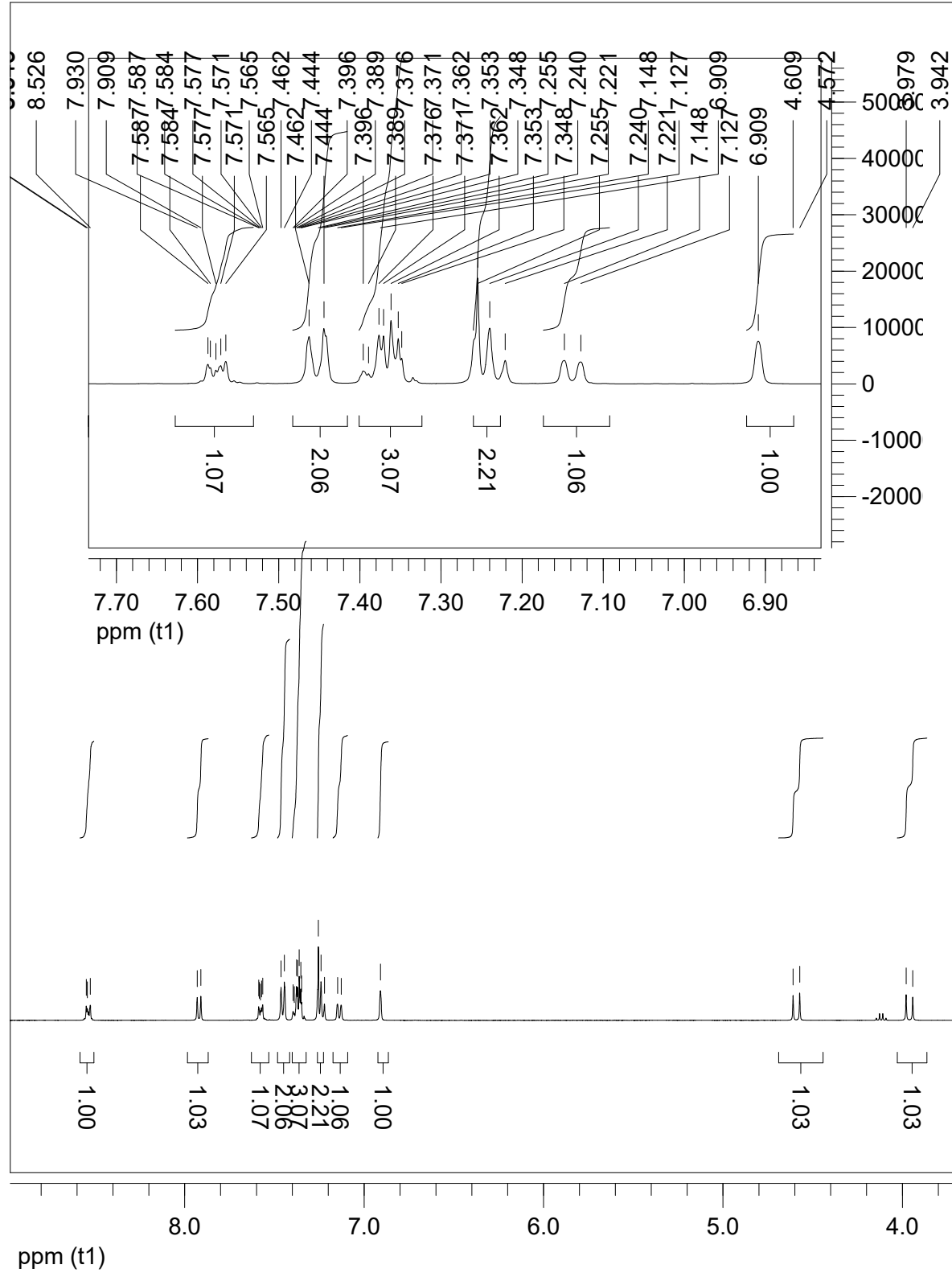
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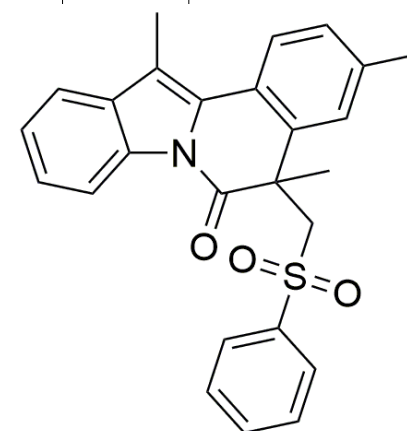


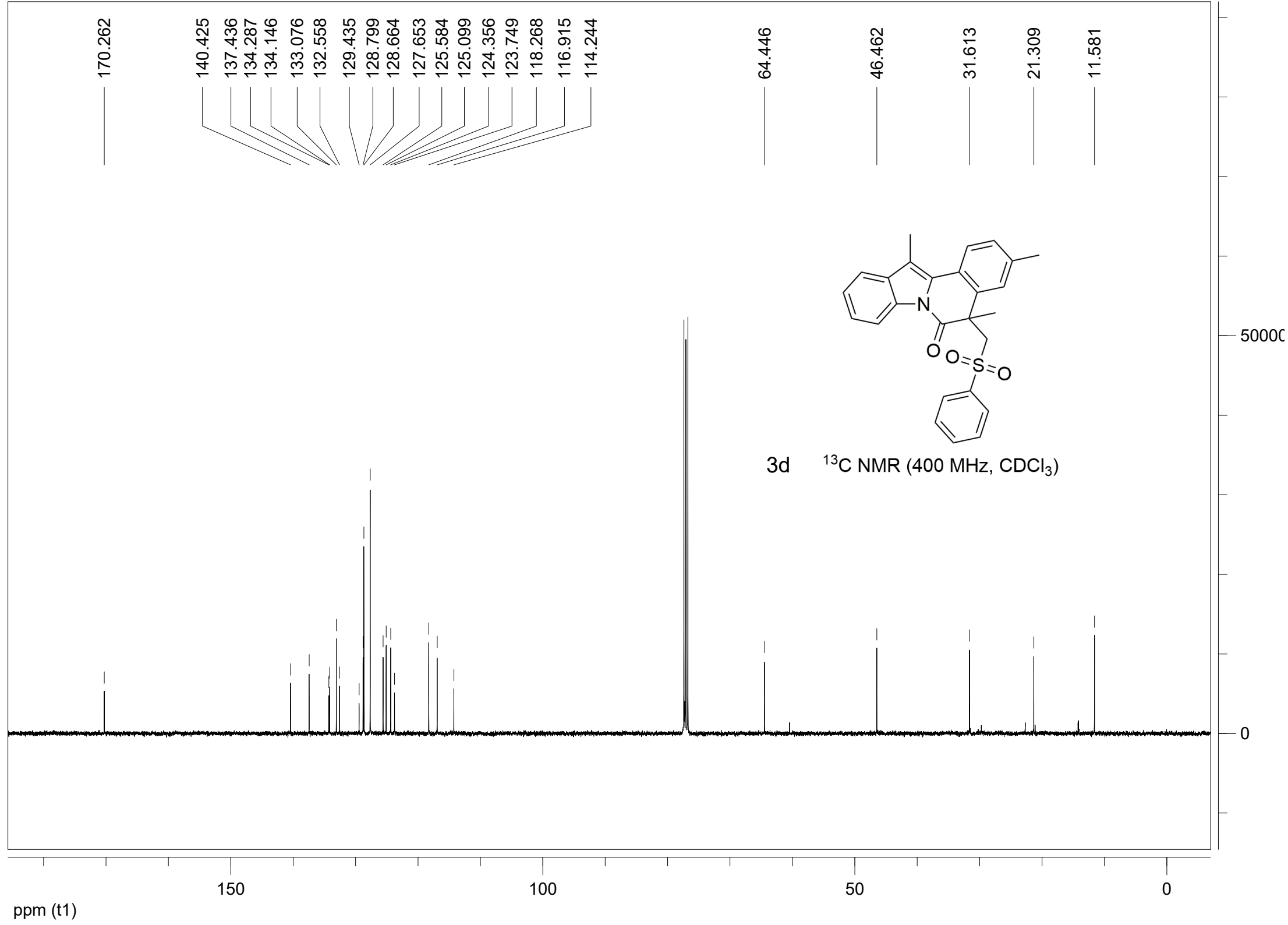




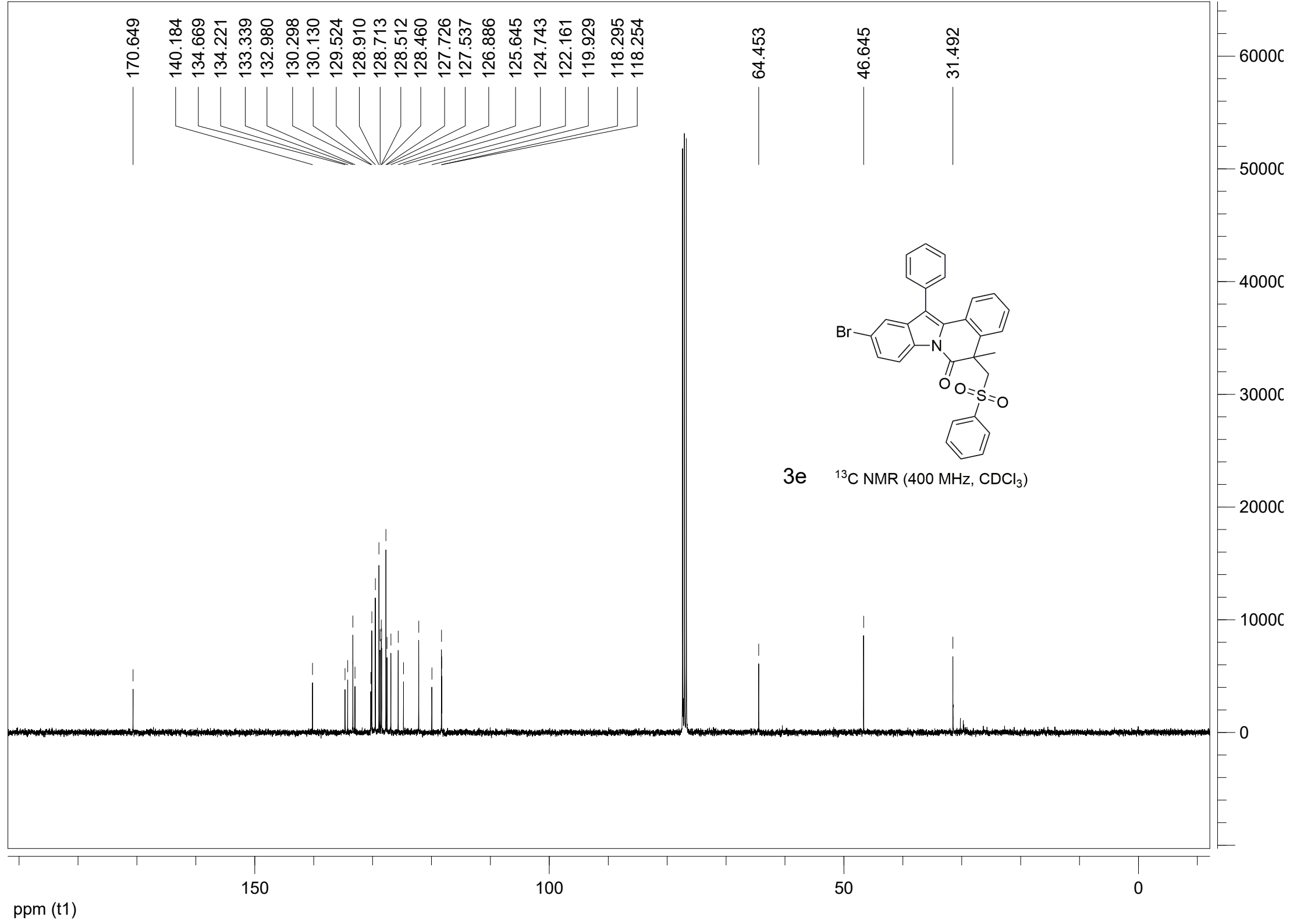
3d

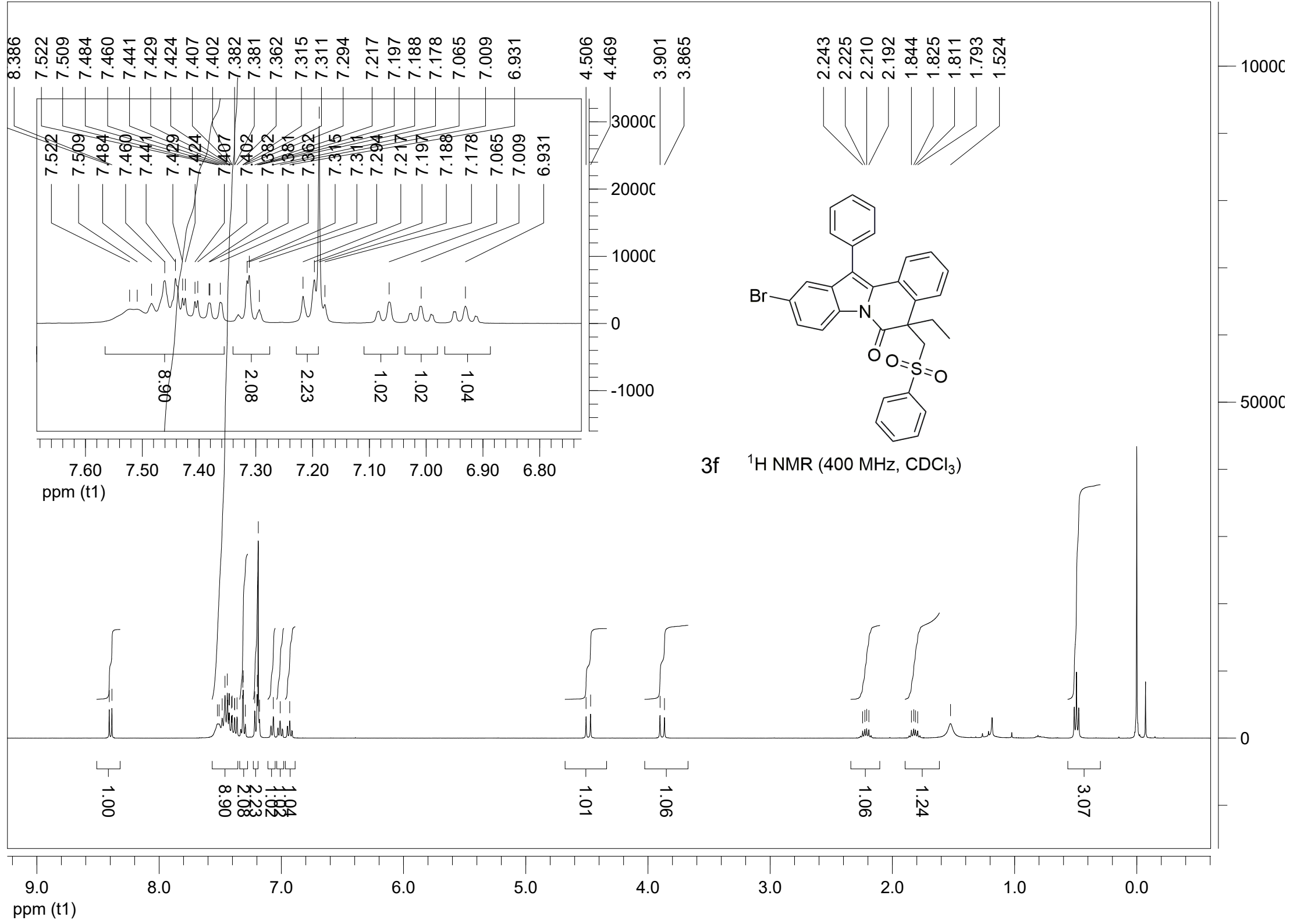
<sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>)

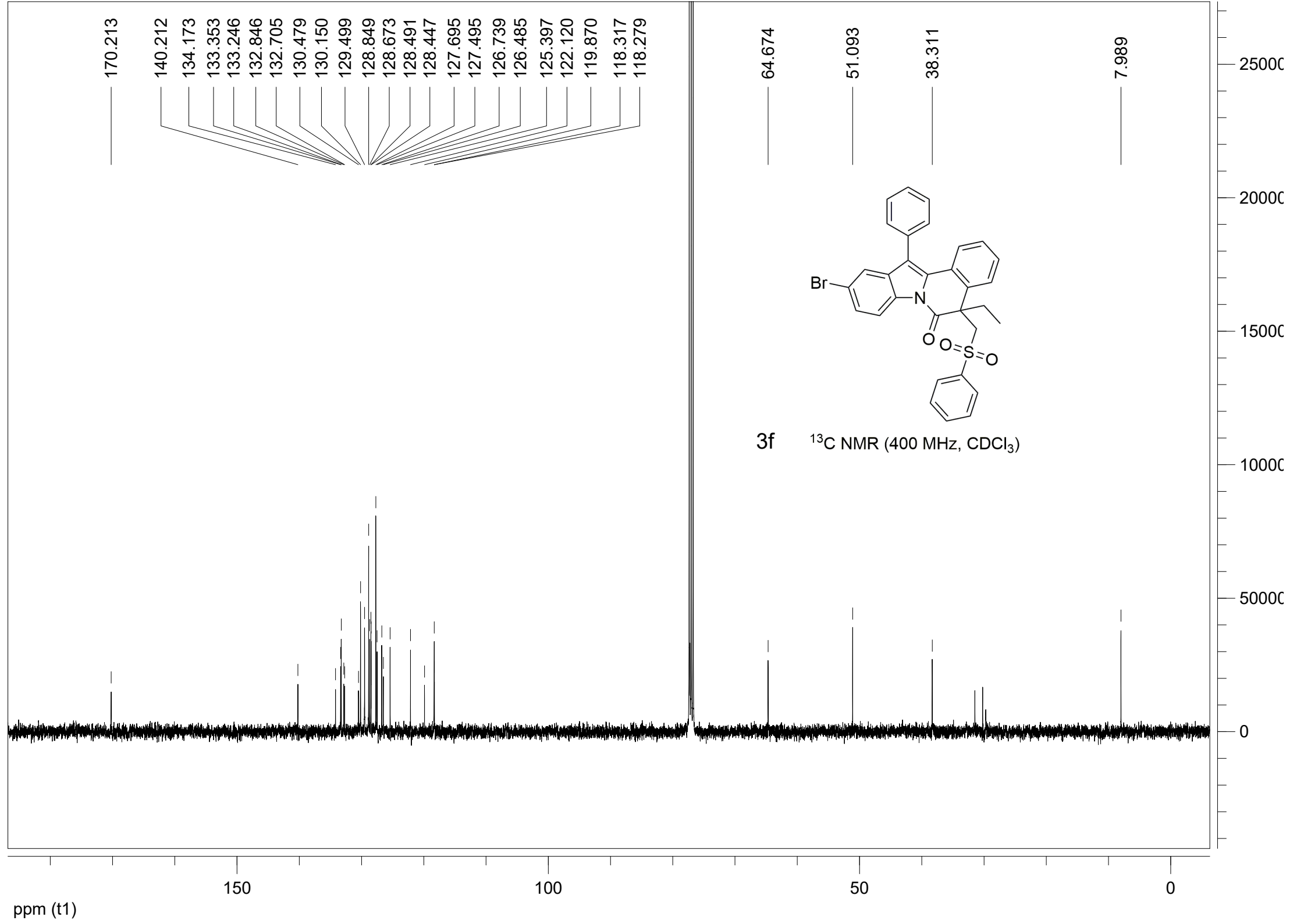


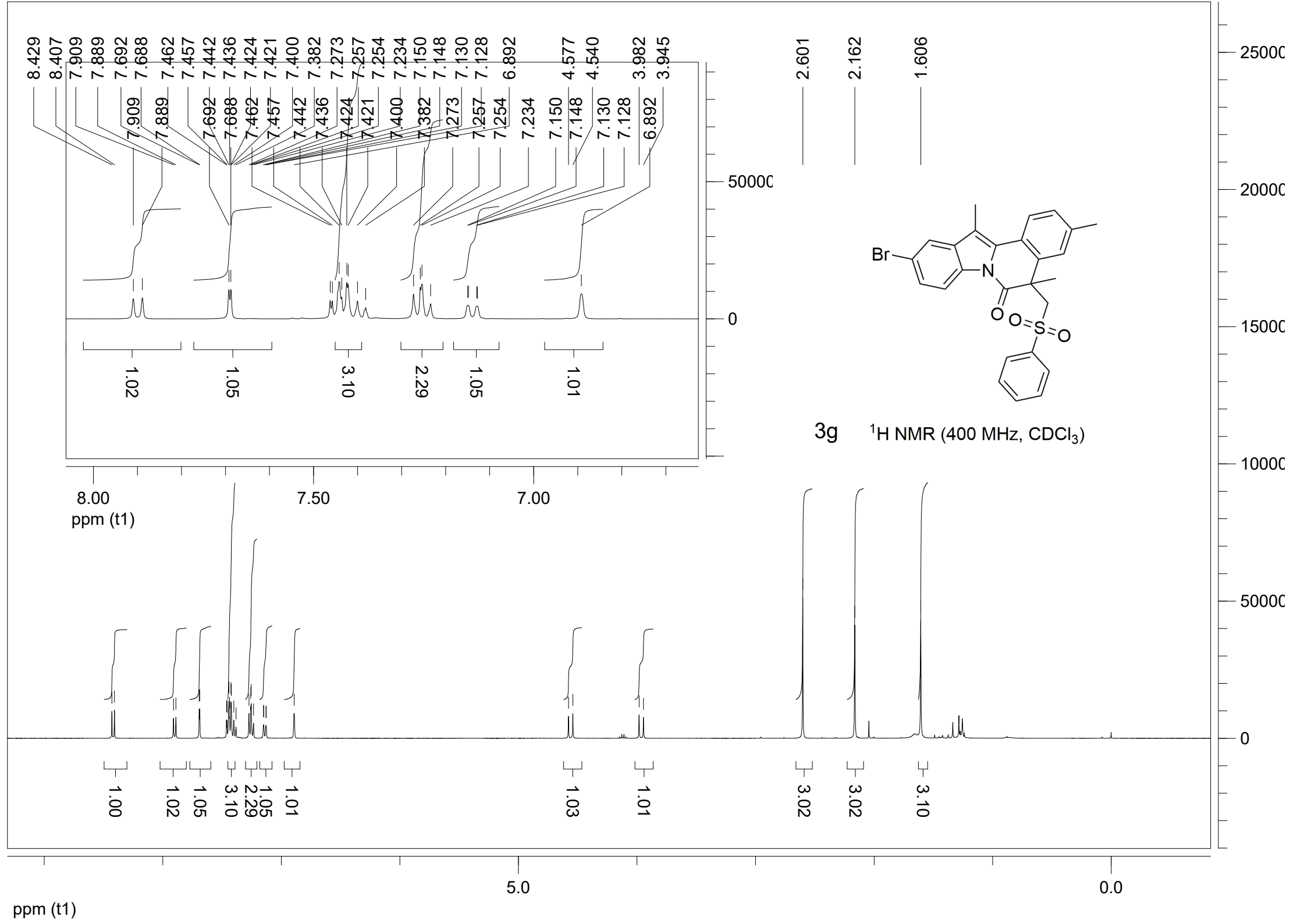


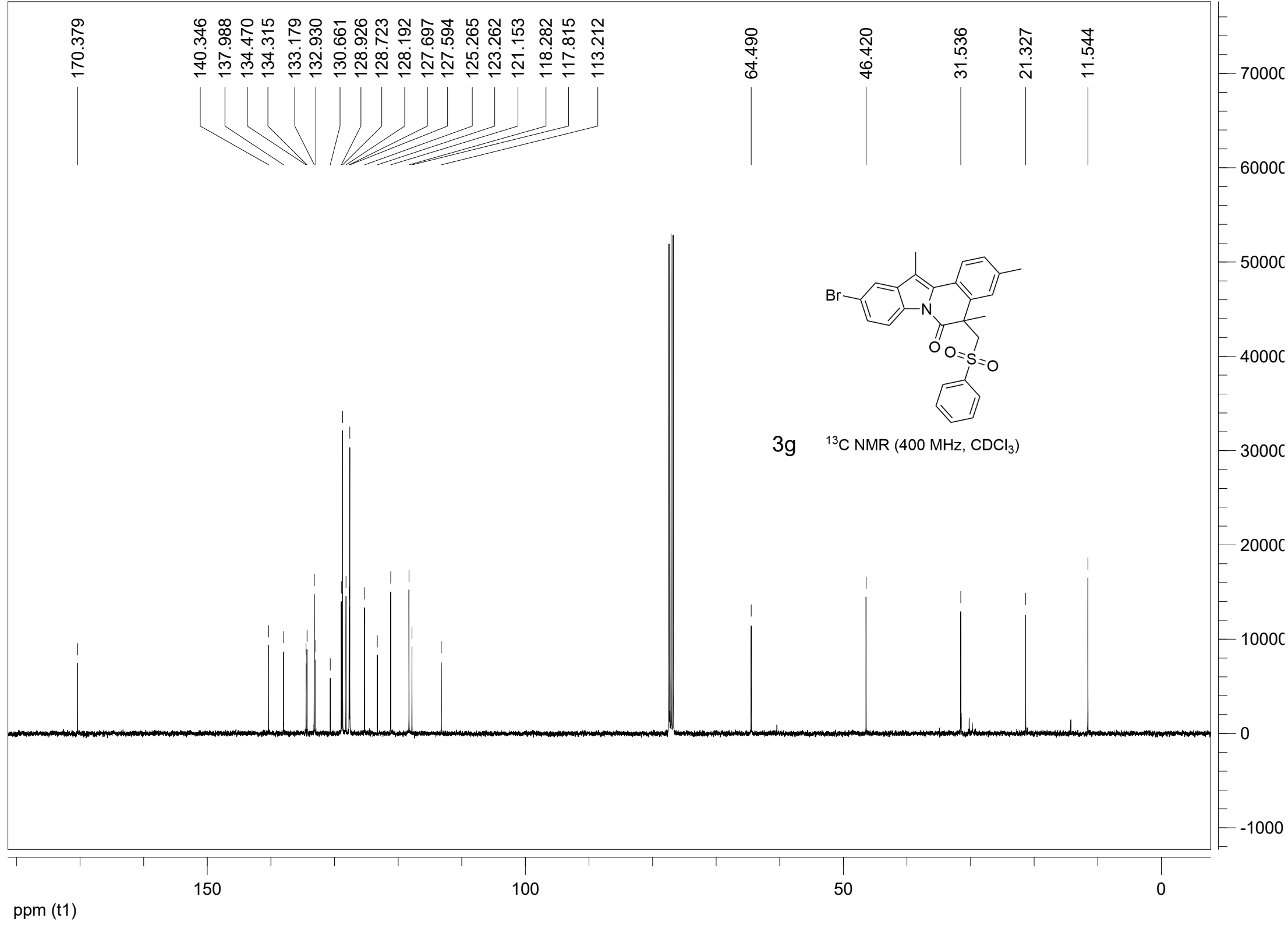


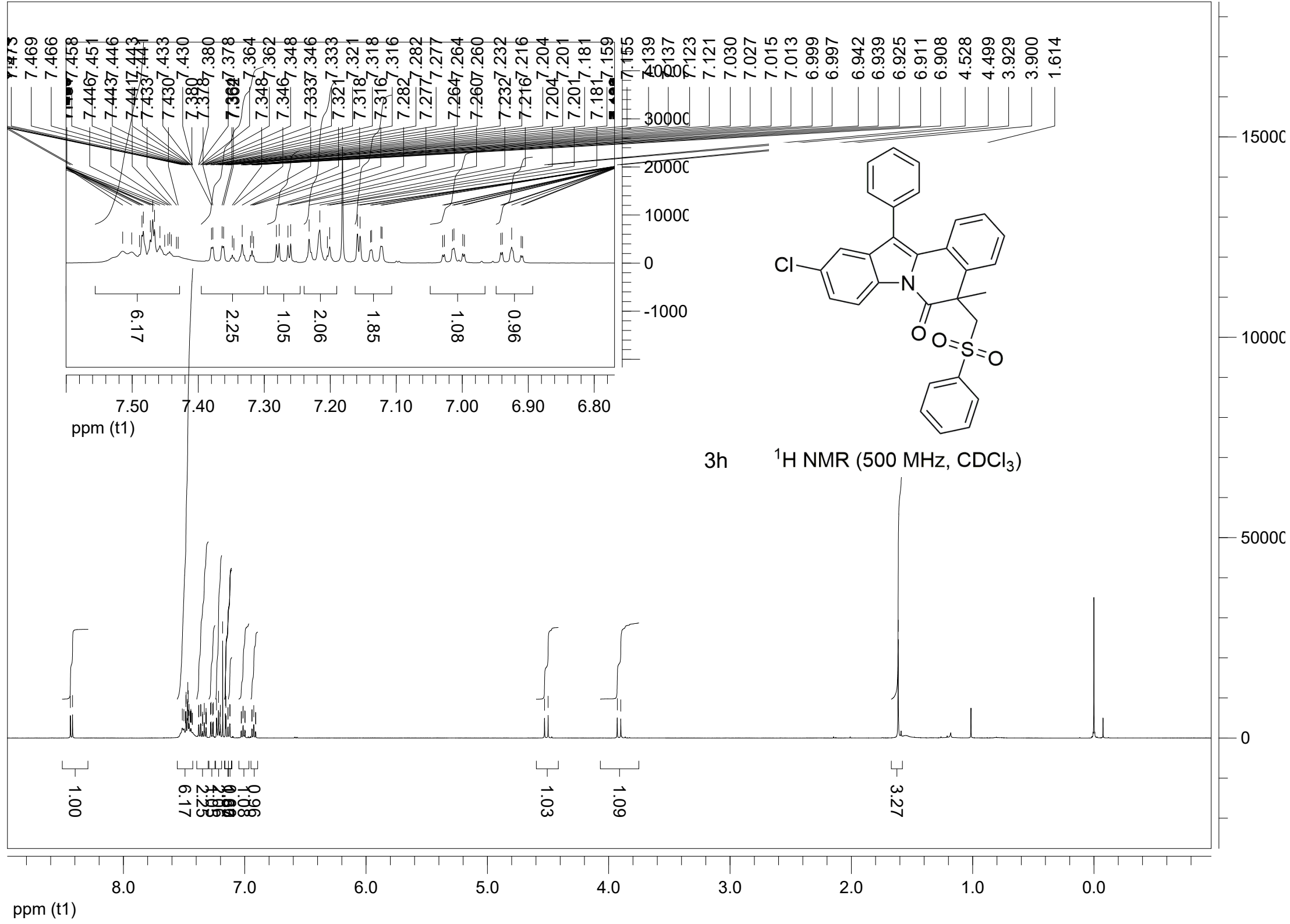


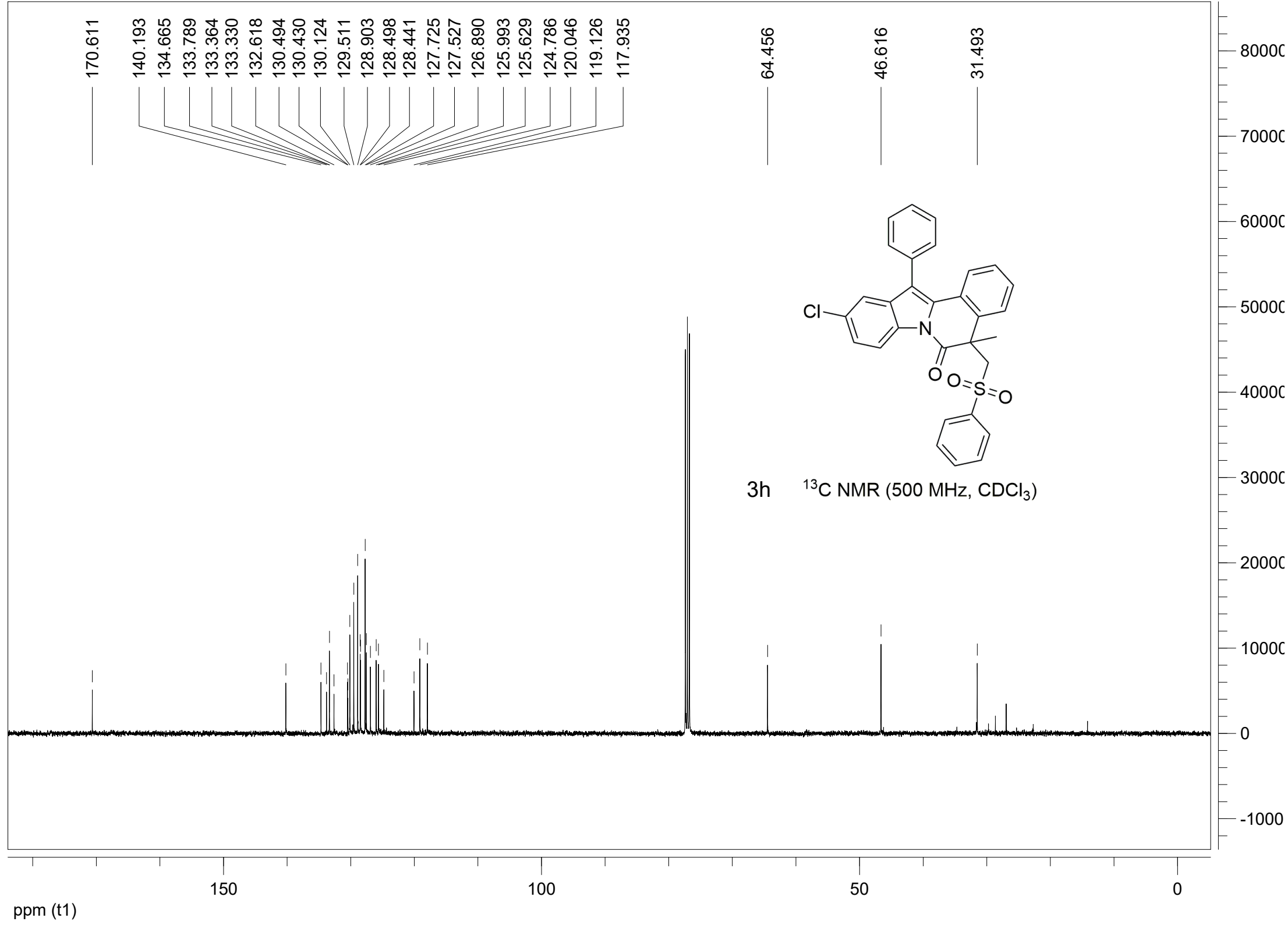


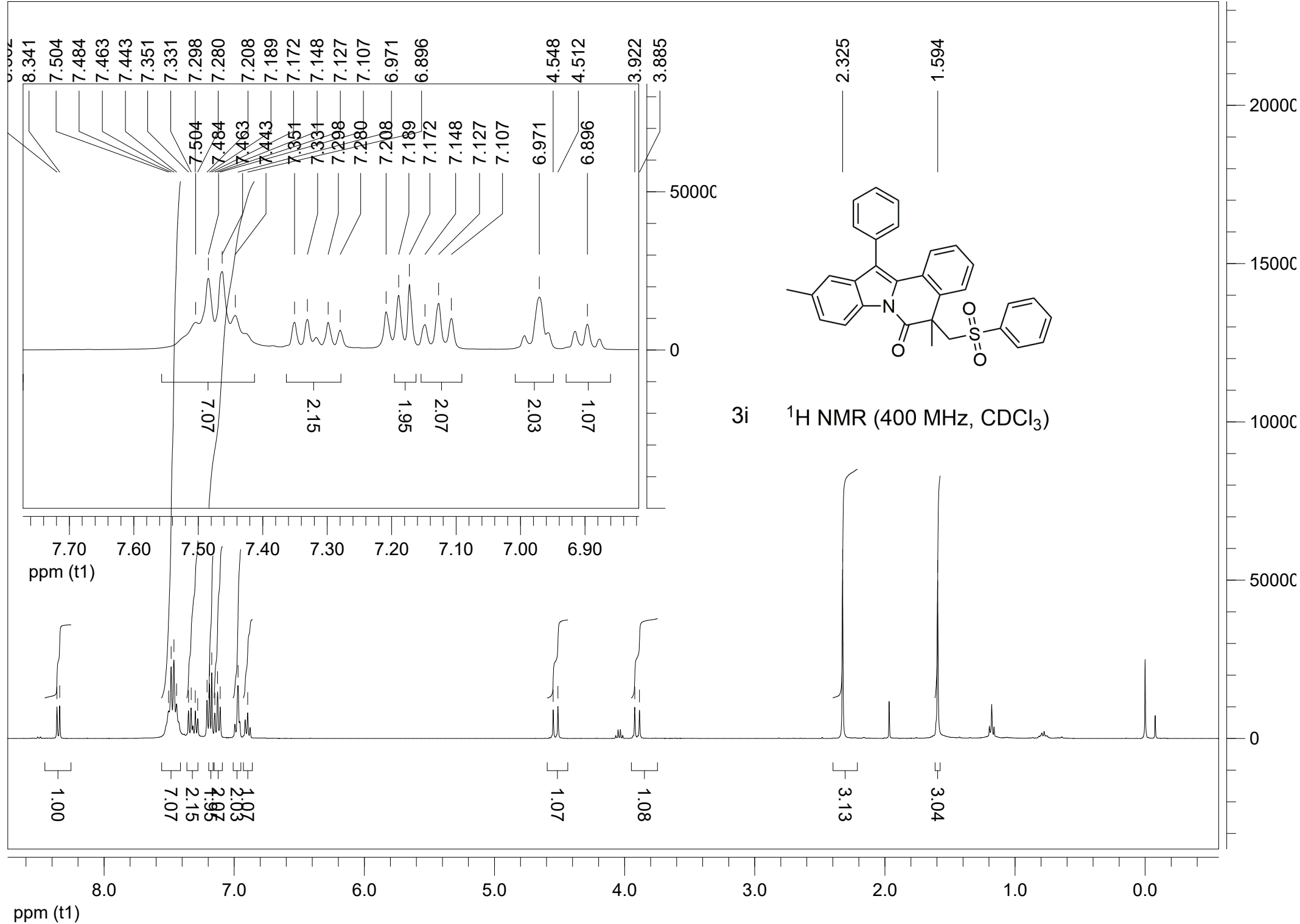


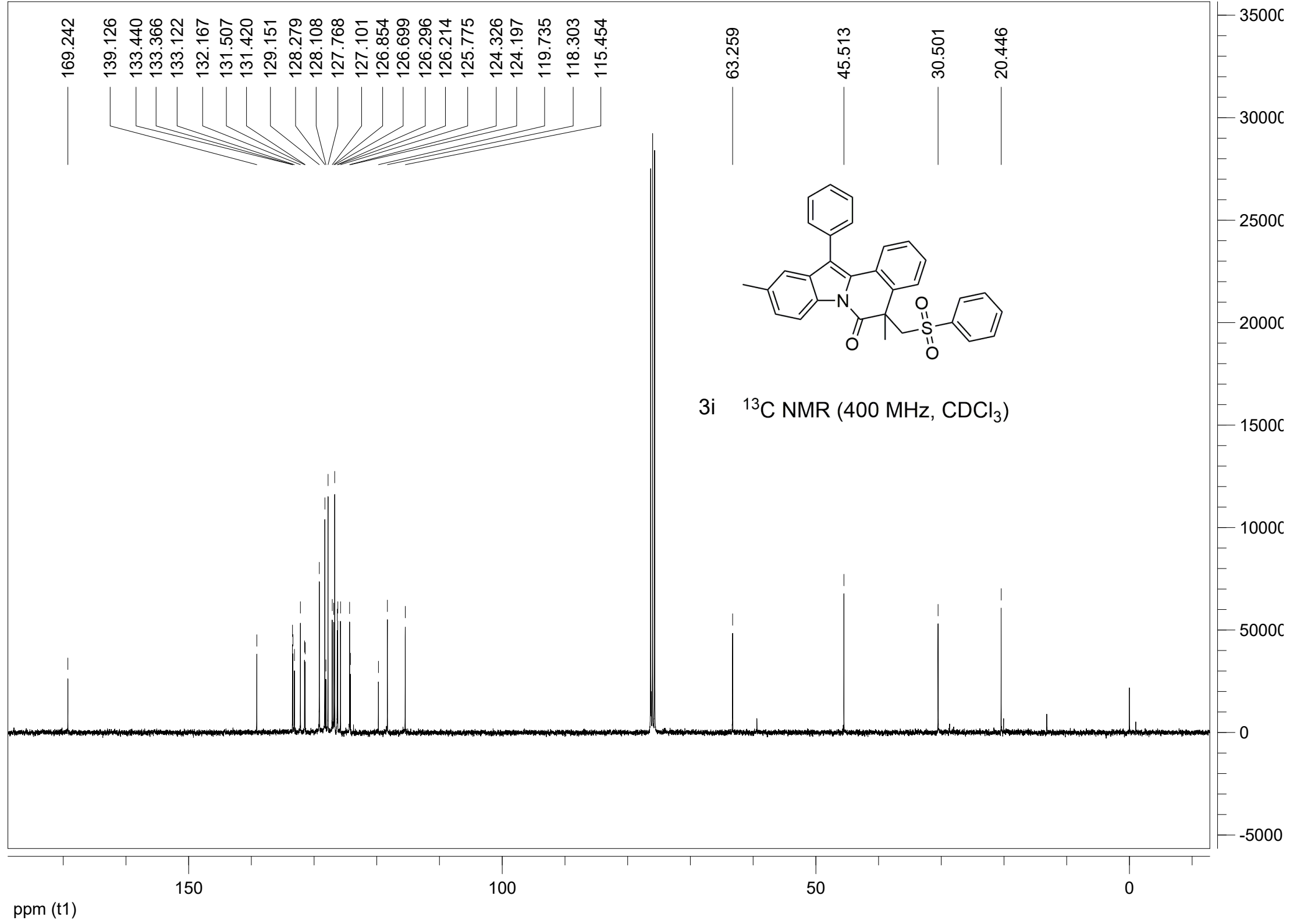


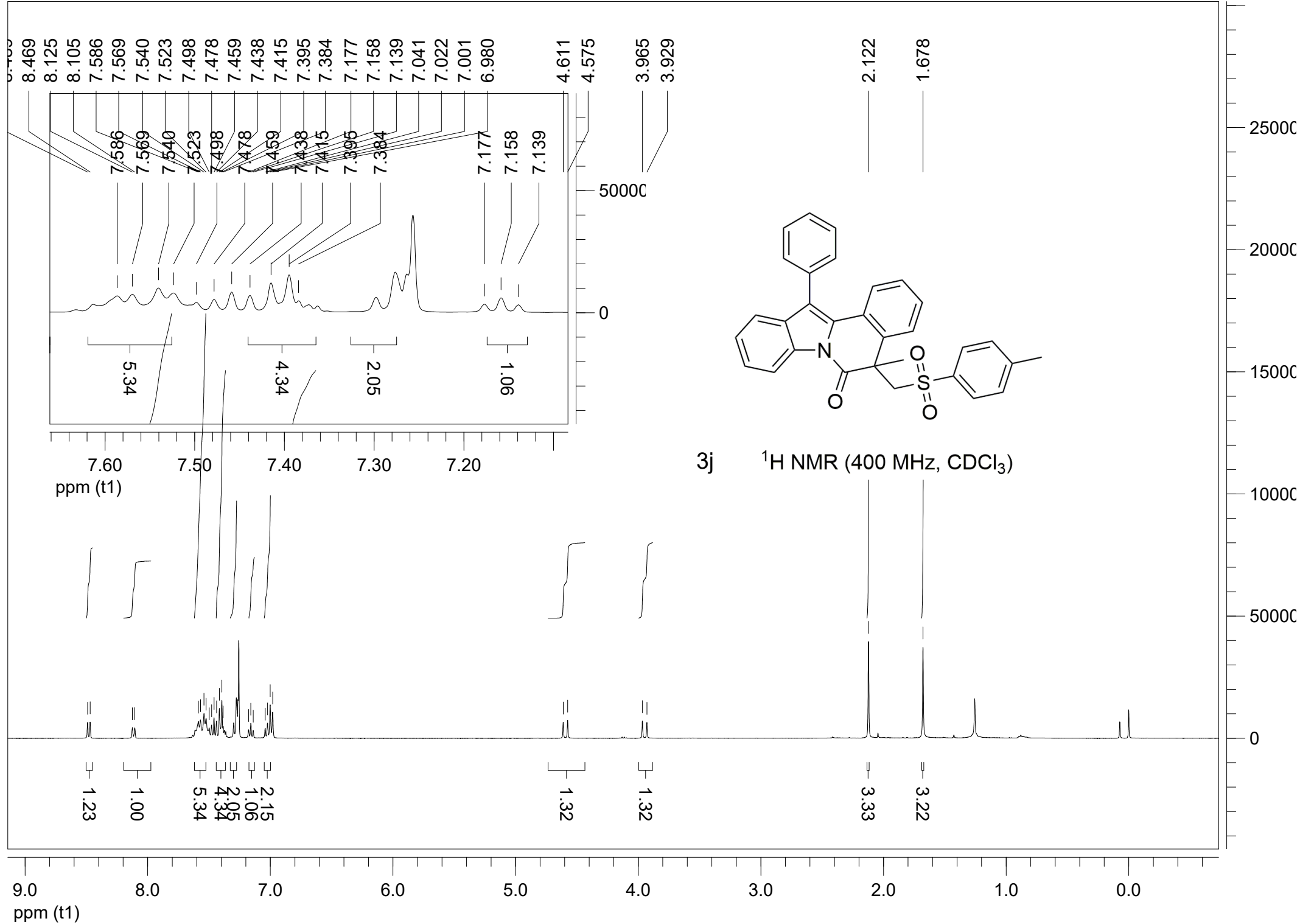


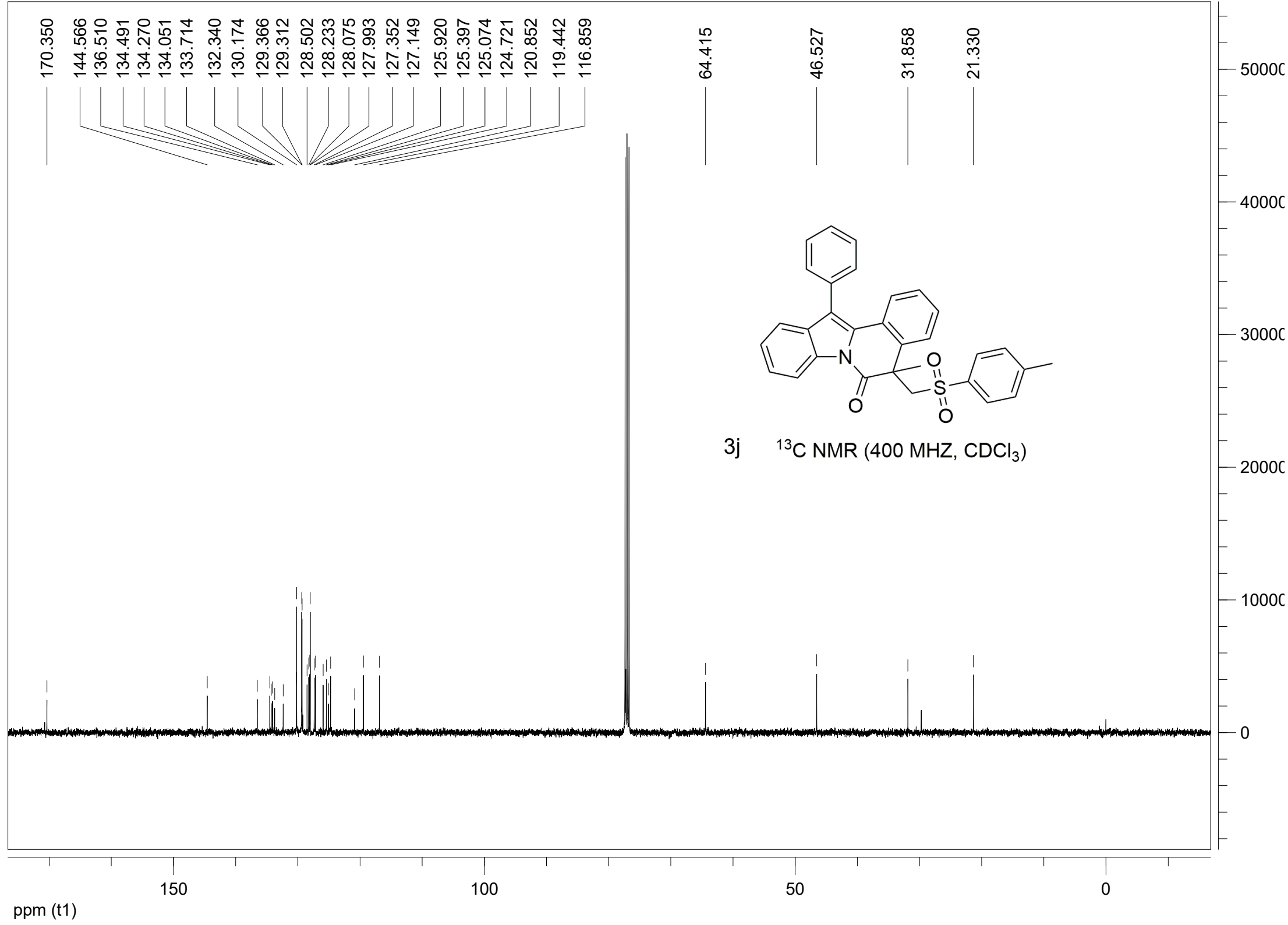


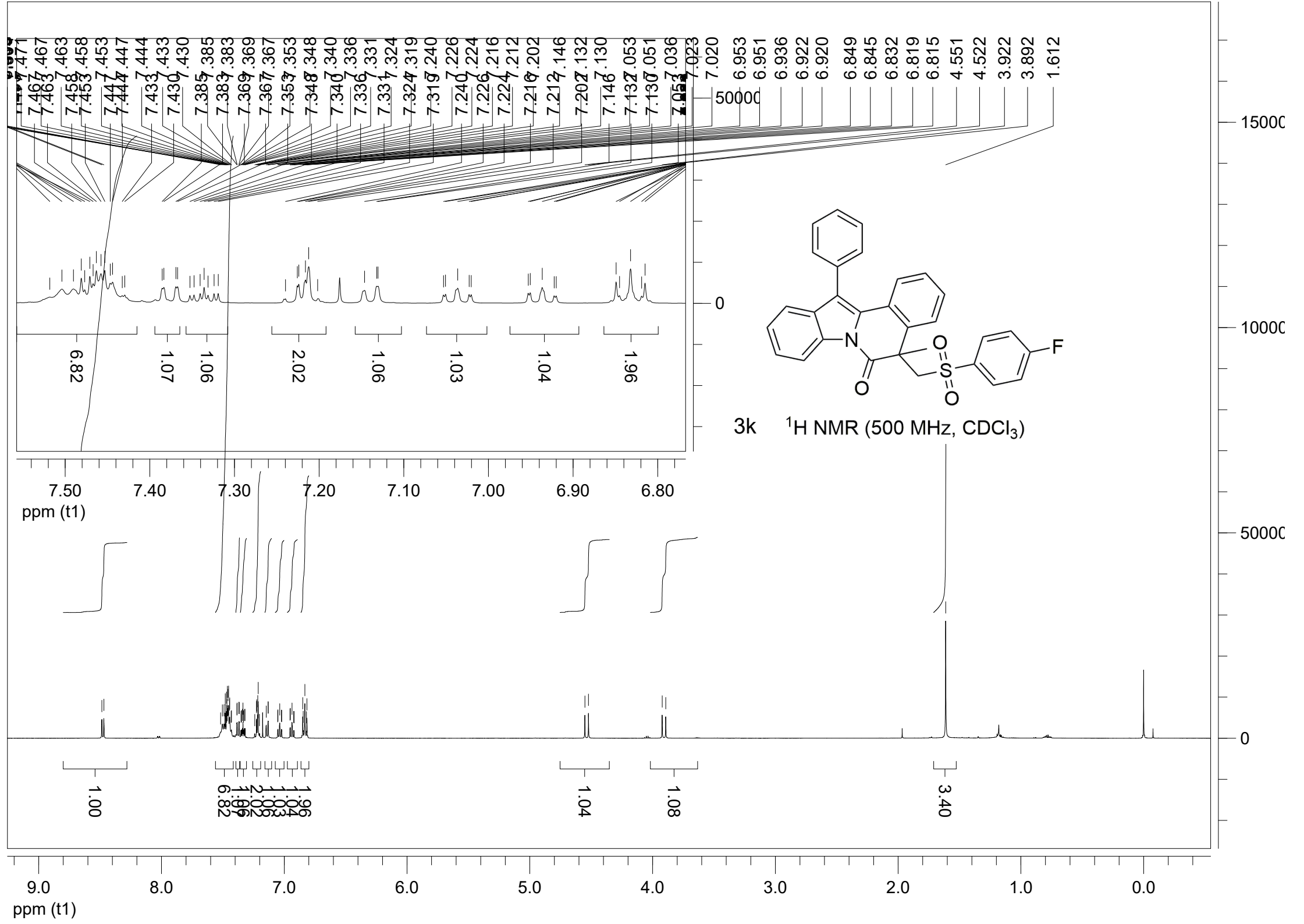


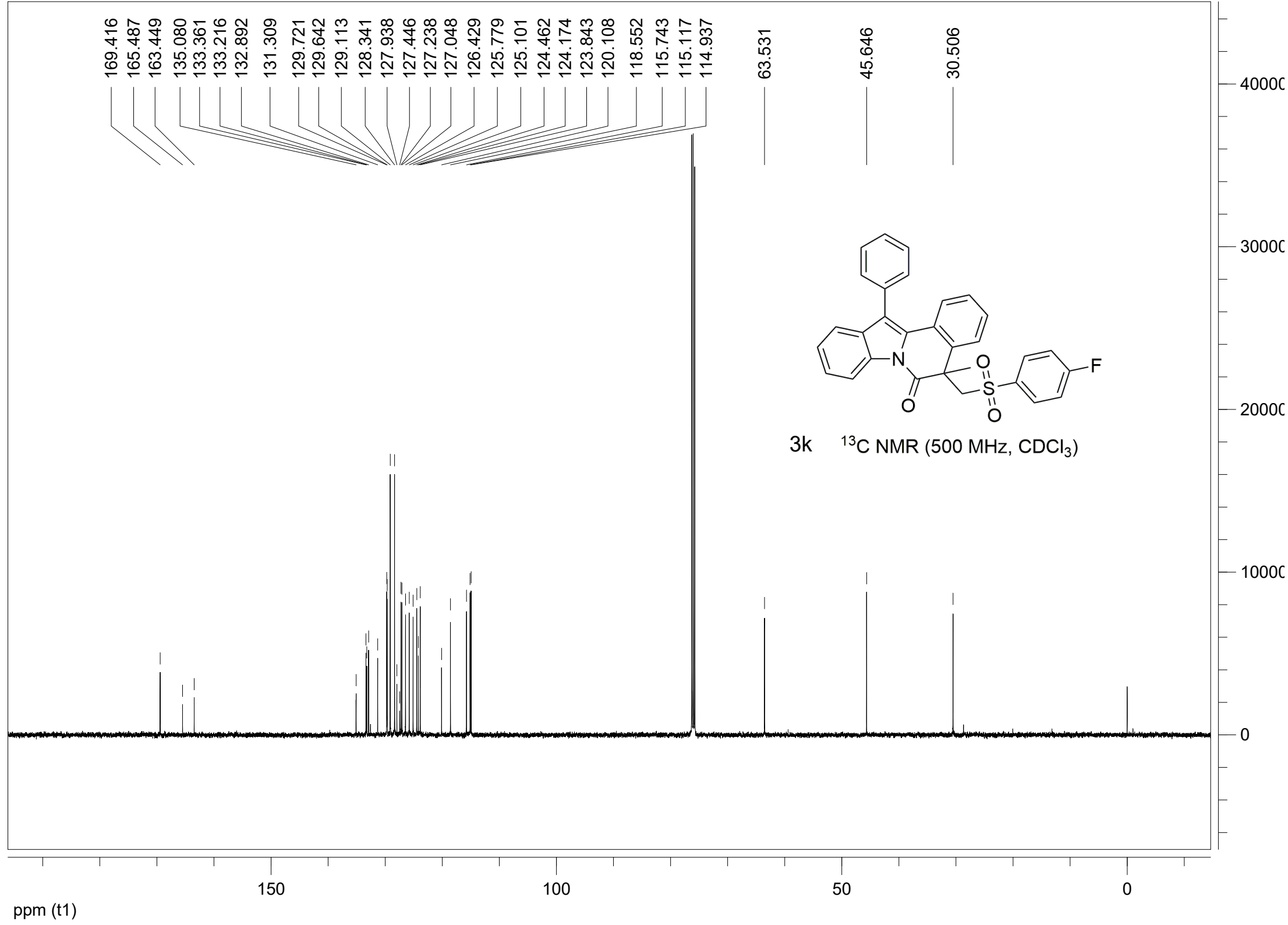




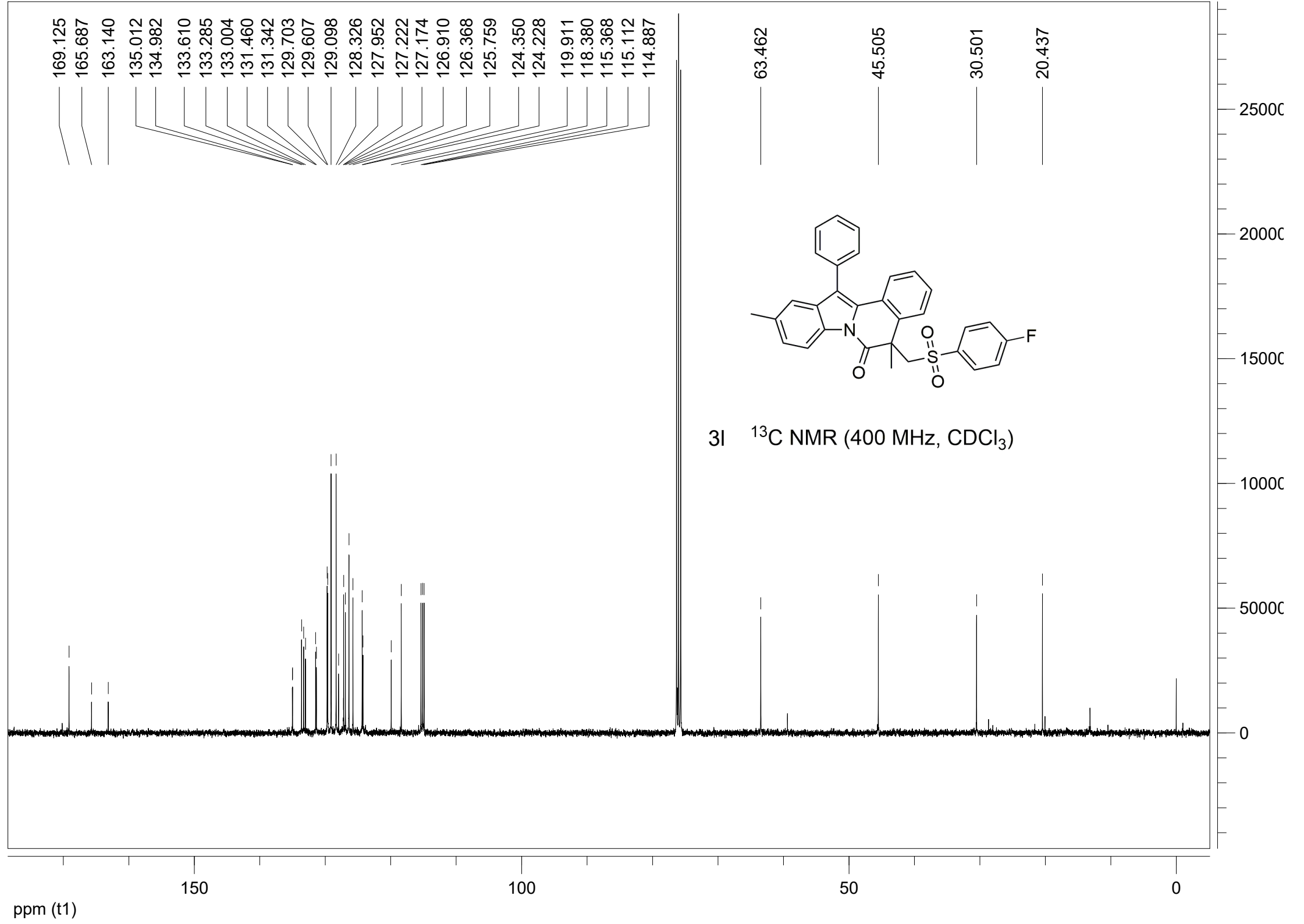


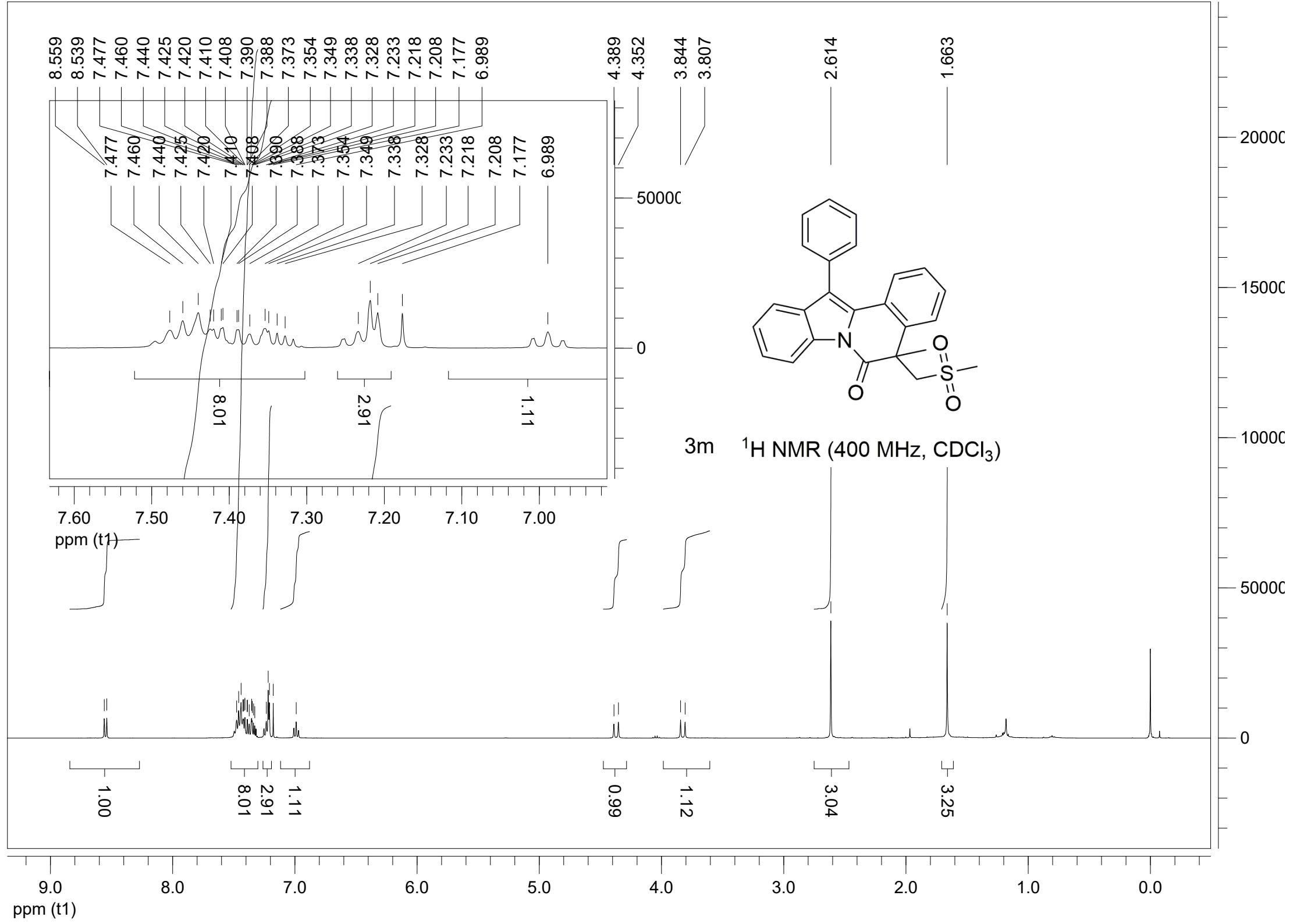


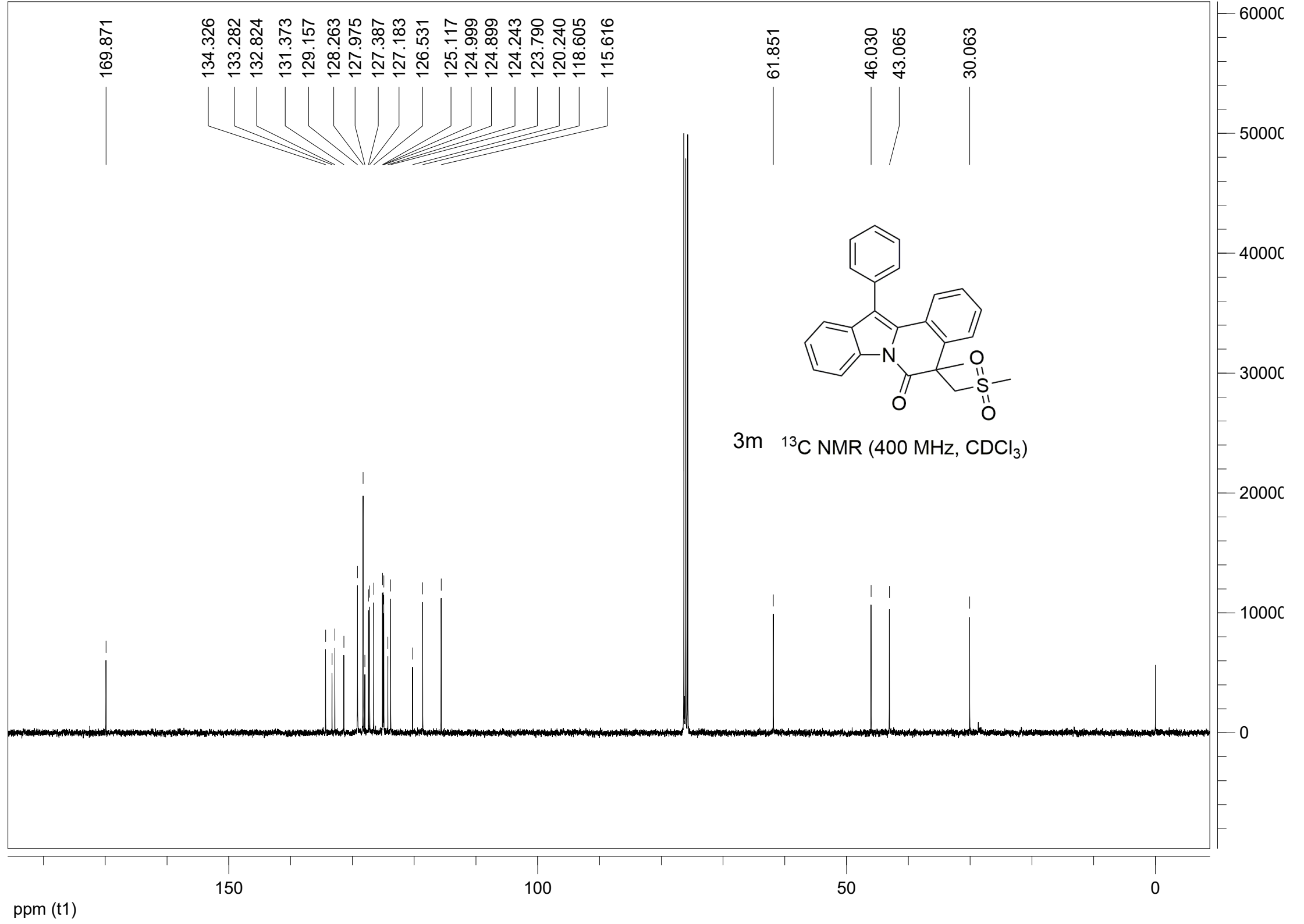


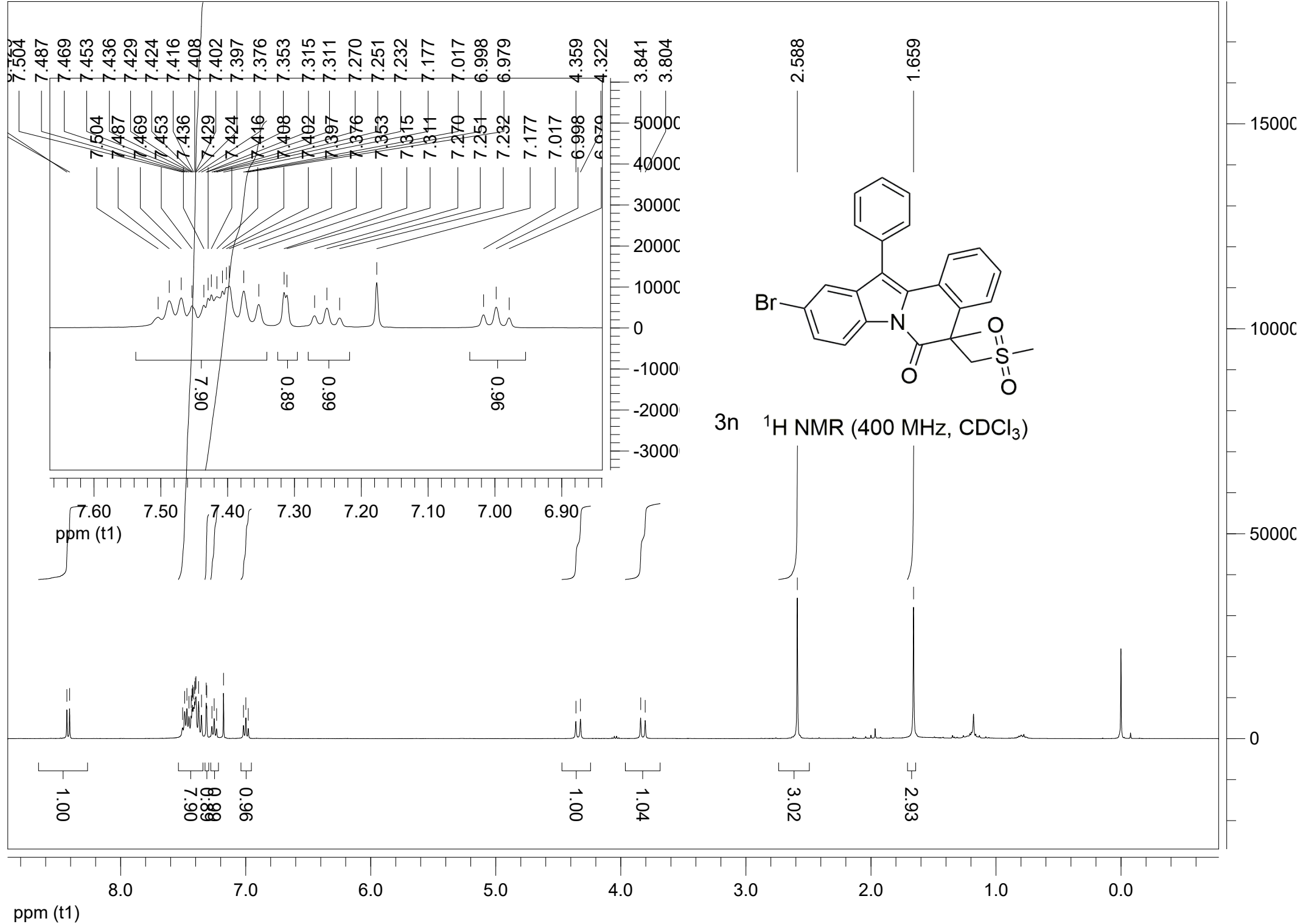


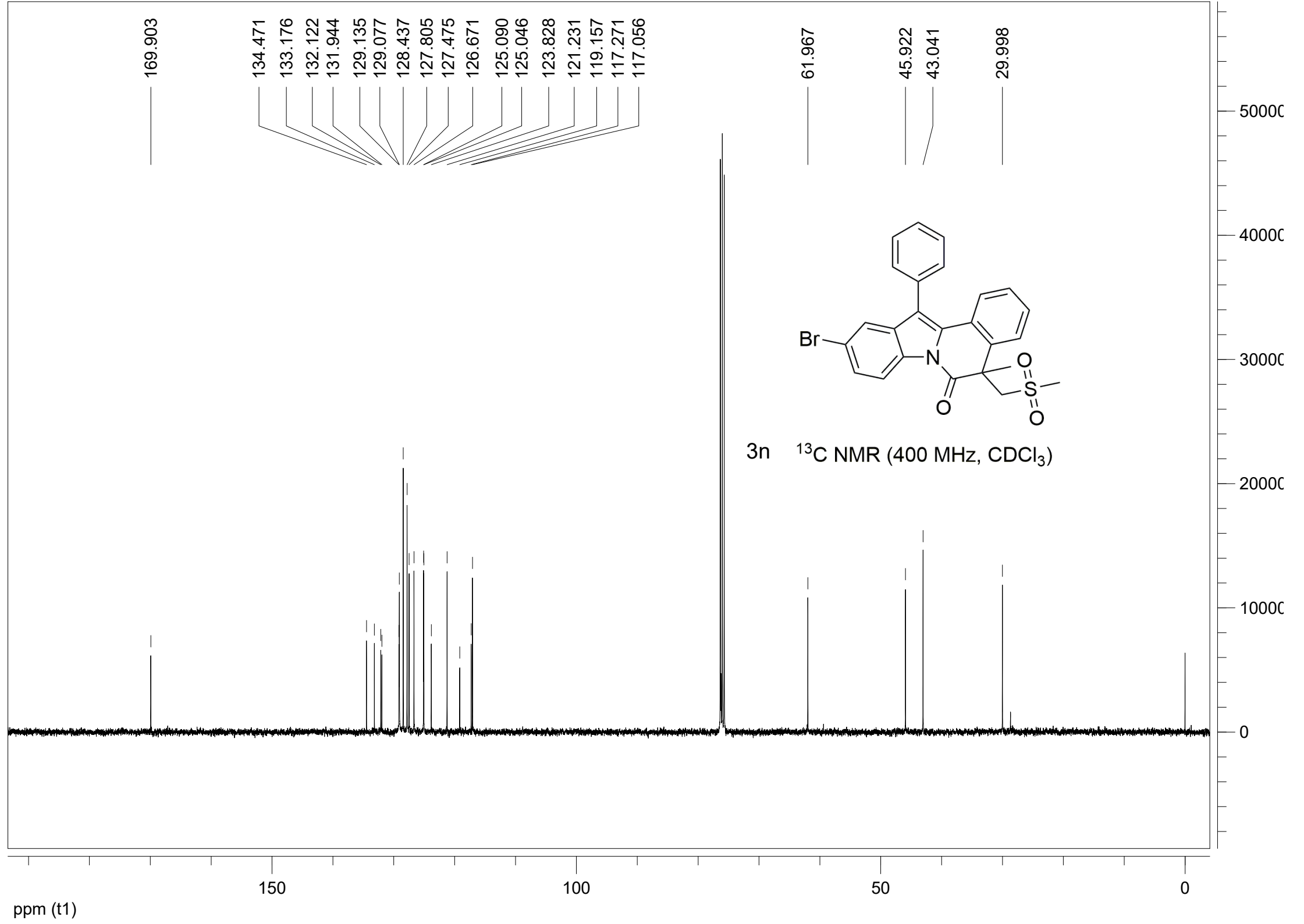


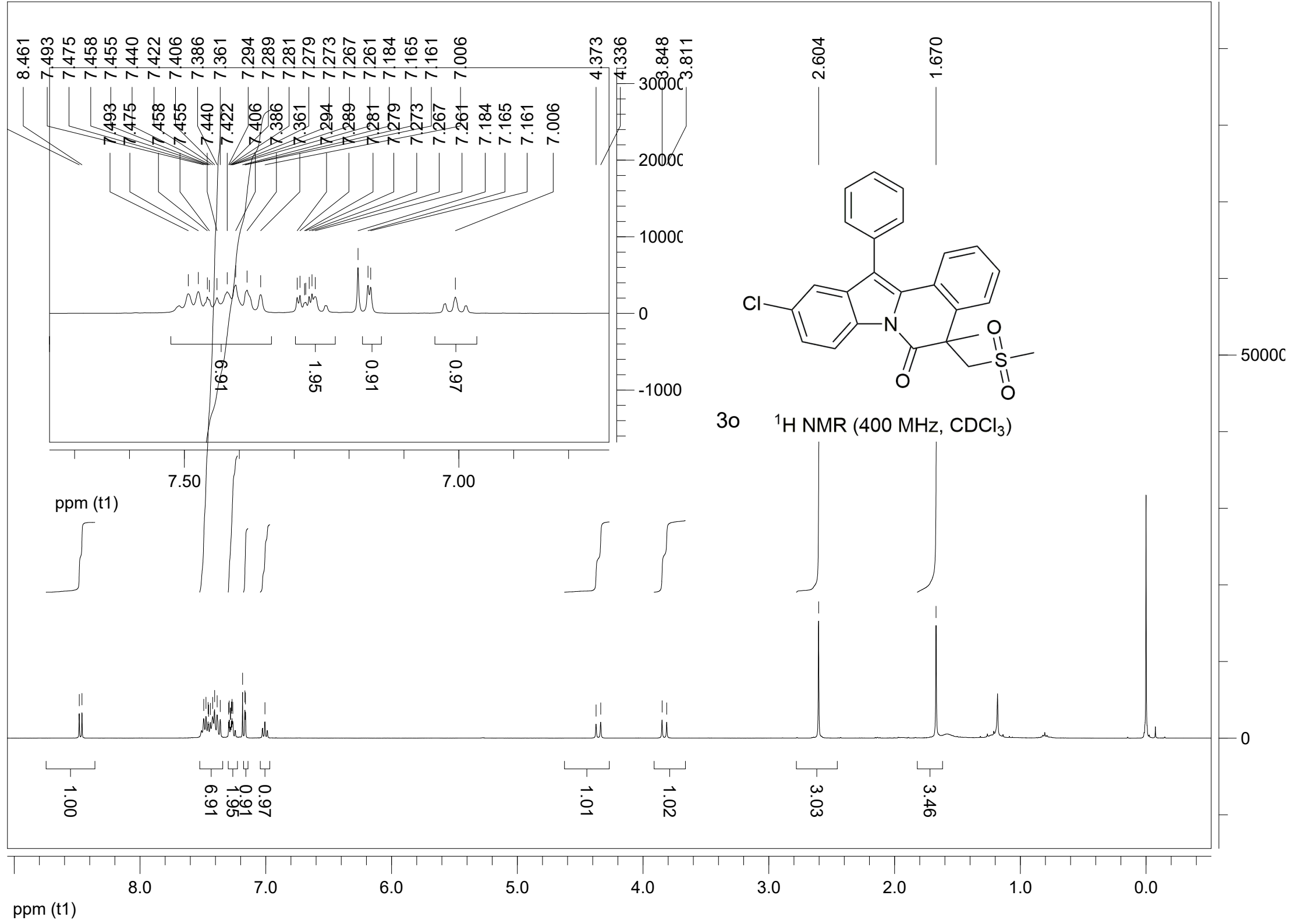


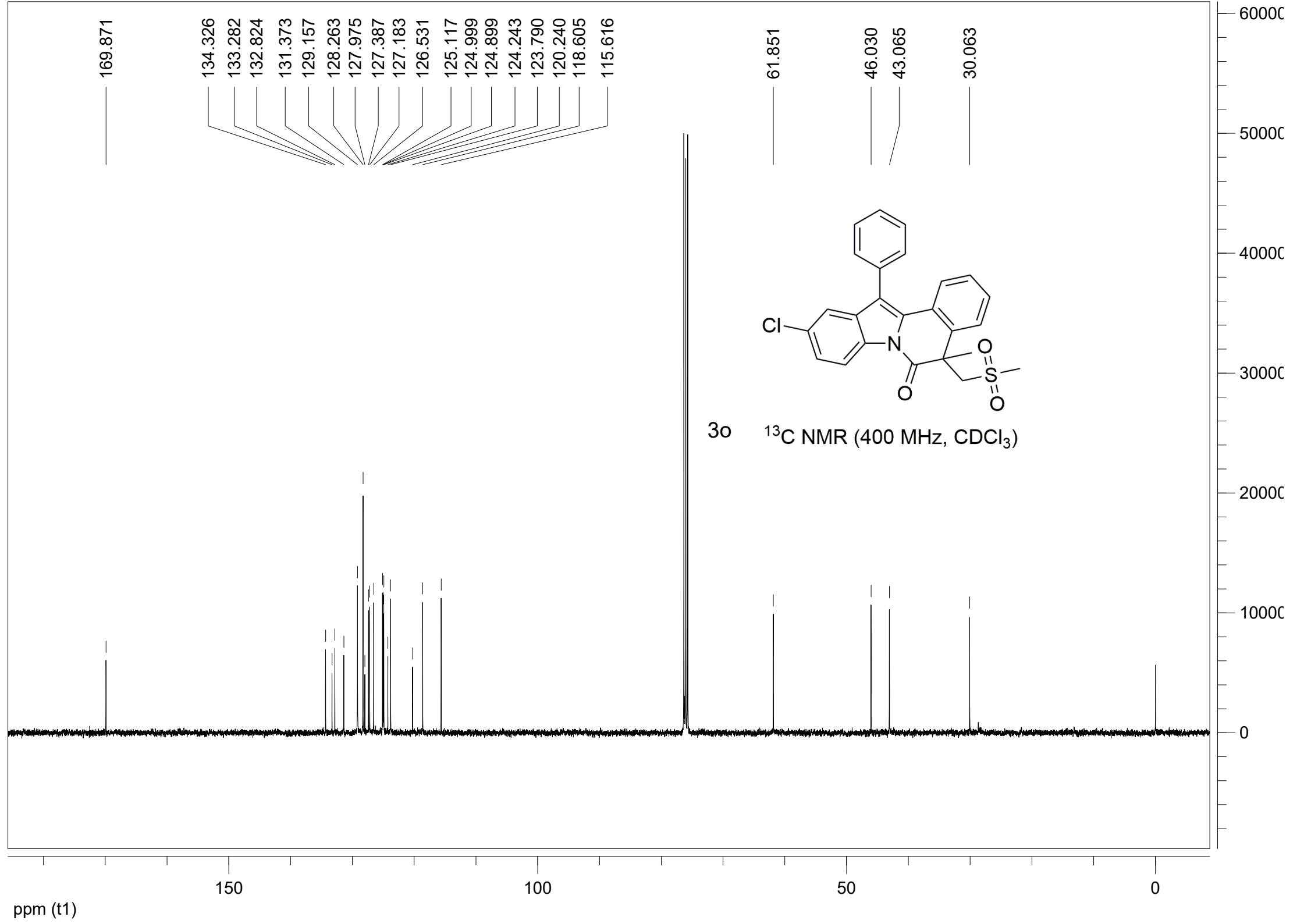


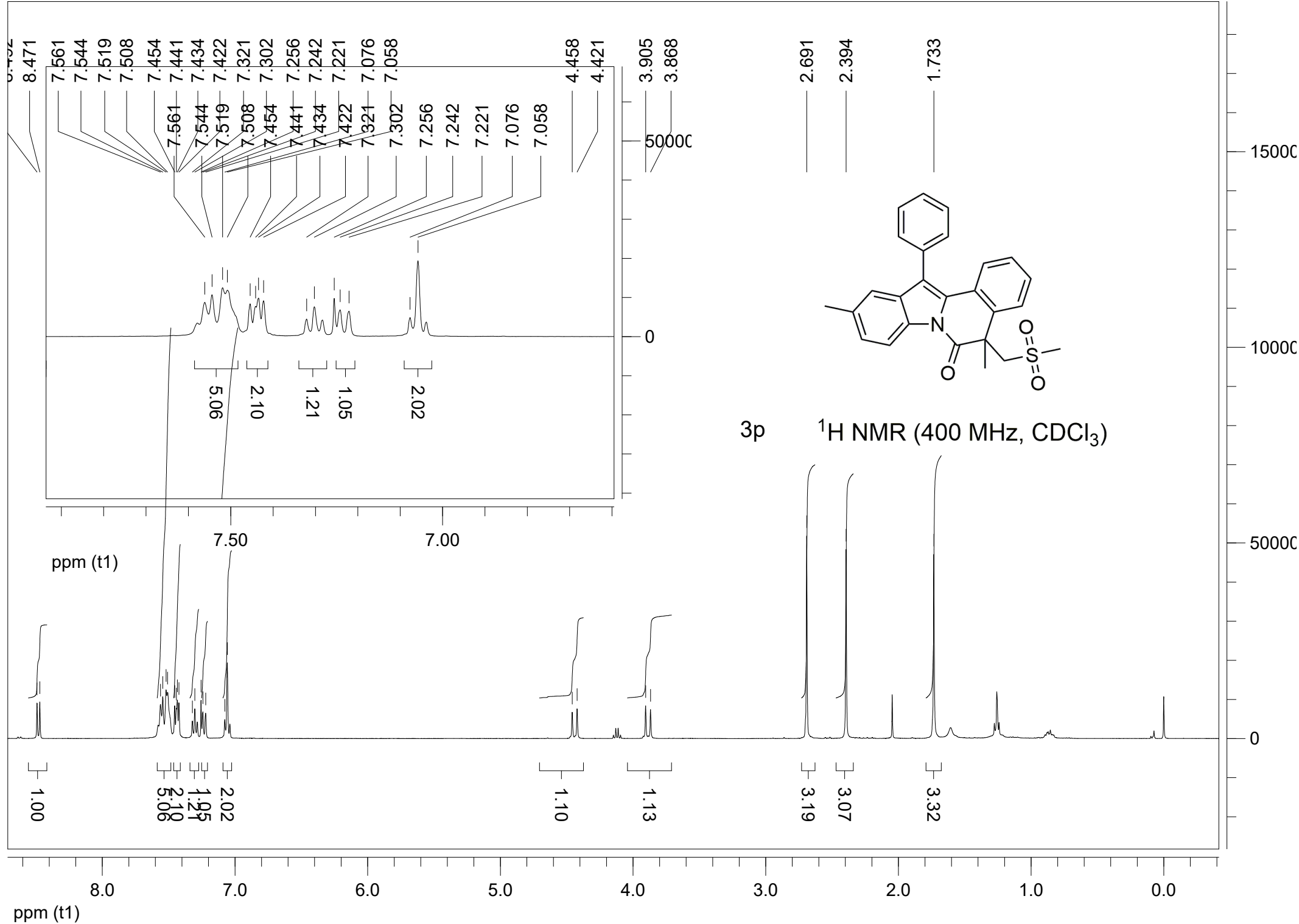


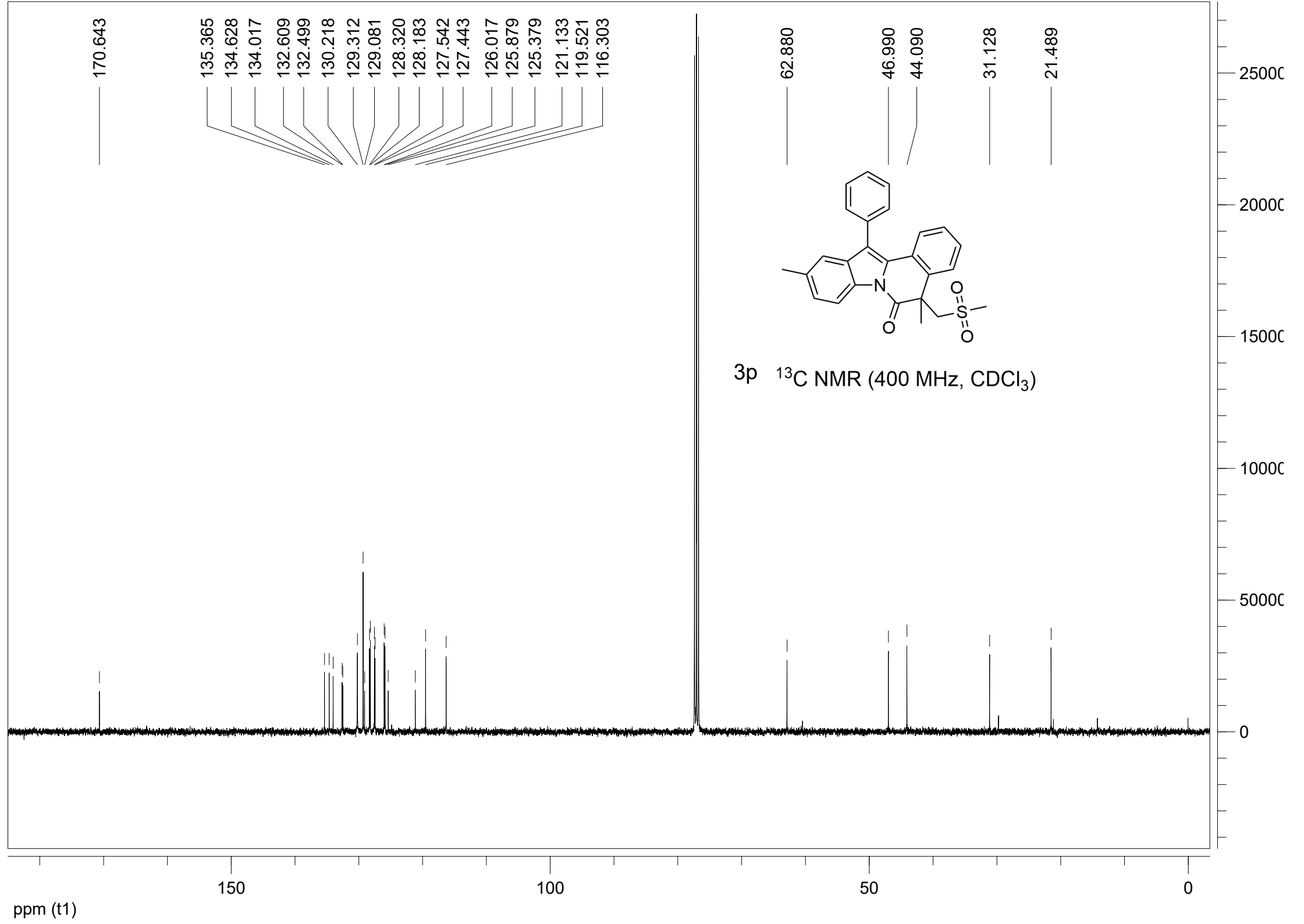


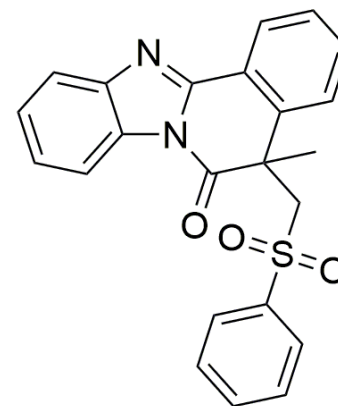
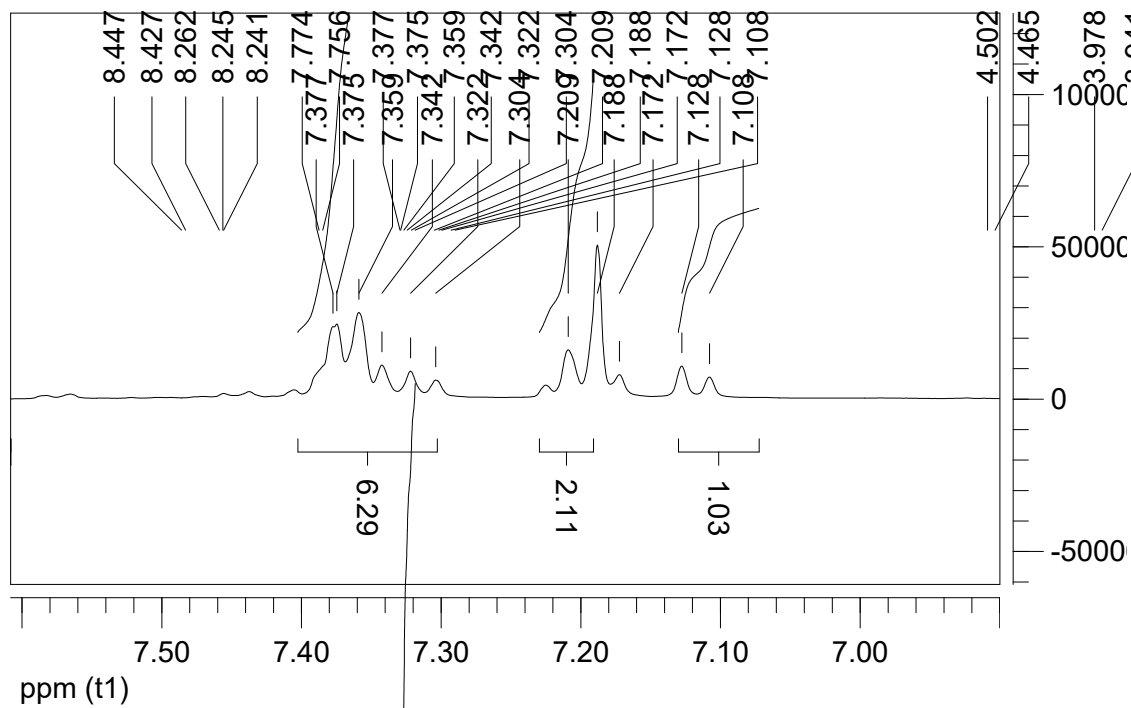












5a  $^1\text{H}$  NMR (400 MHz,  $\text{CDCl}_3$ )

