

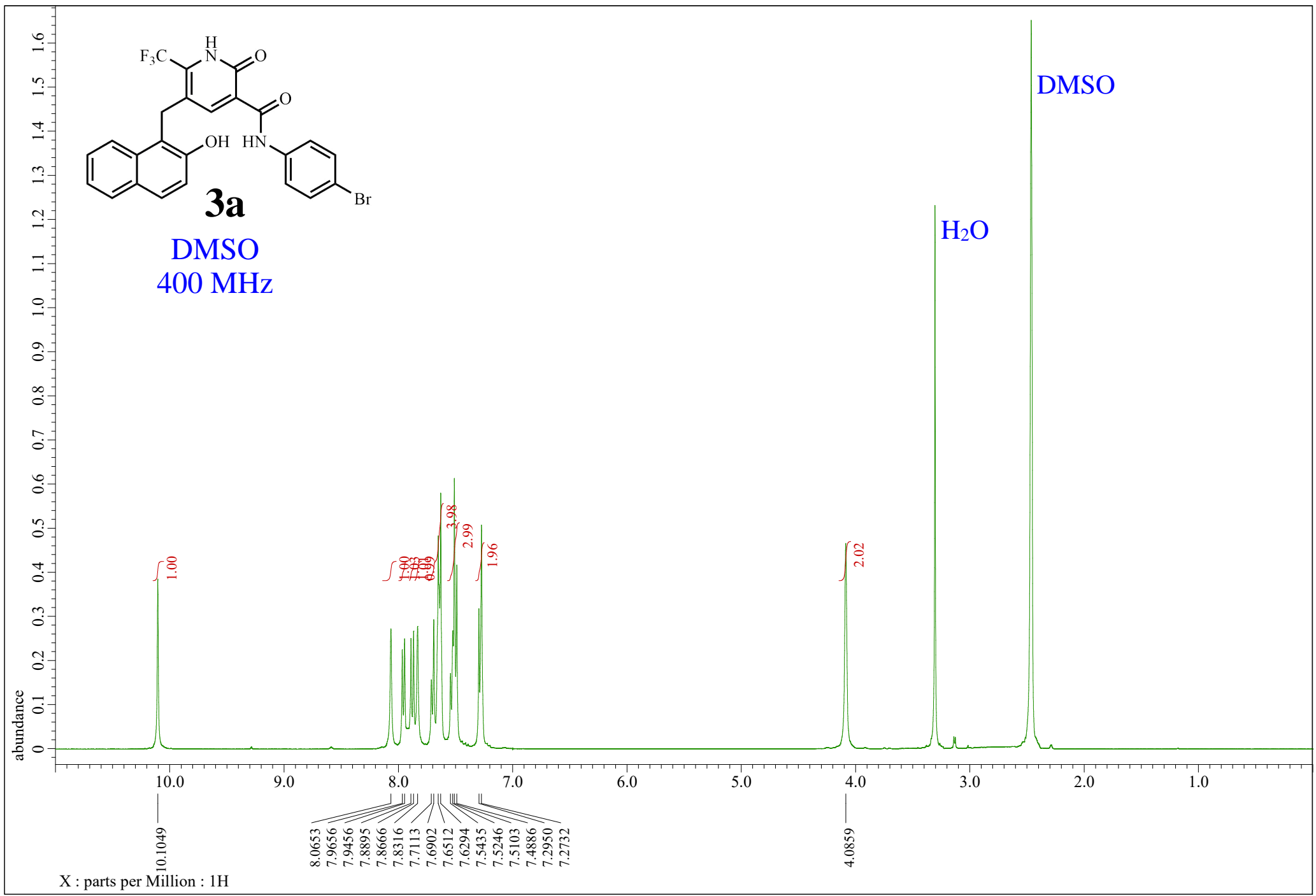
## **A reaction of 2-carbonyl-substituted 1*H*-benzo[*f*]chromenes with *N*-arylamides of cyanoacetic acid**

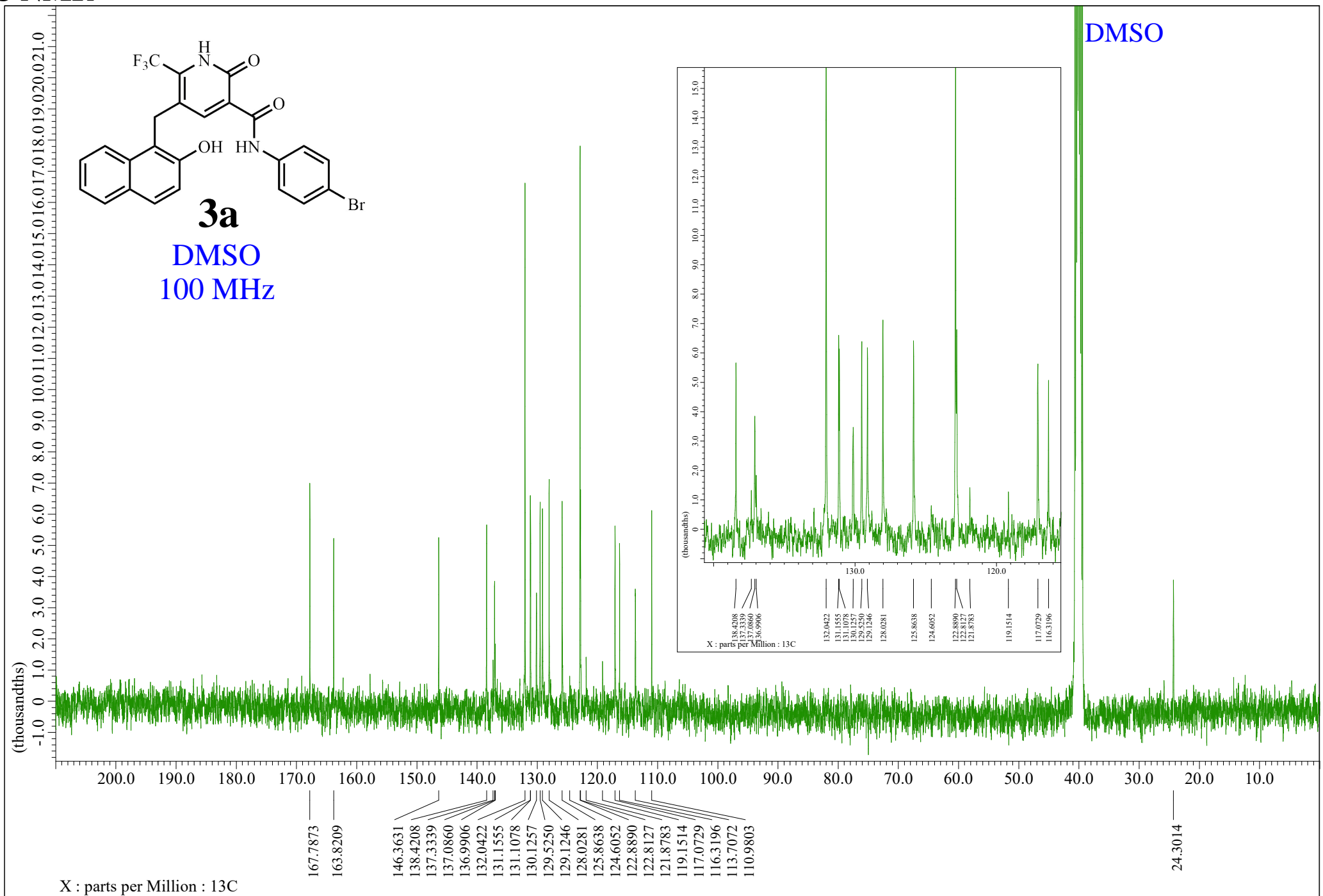
**Dmitry V. Osipov<sup>1</sup>, Pavel E. Krasnikov<sup>1\*</sup>, Alina A. Artemenko<sup>1</sup>**

<sup>1</sup> *Samara State Technical University,  
244 Molodogvardeyskaya St., Samara 443100, Russia;  
e-mail: osipovdv25@mail.ru, pavel\_krasnikov@mail.ru*

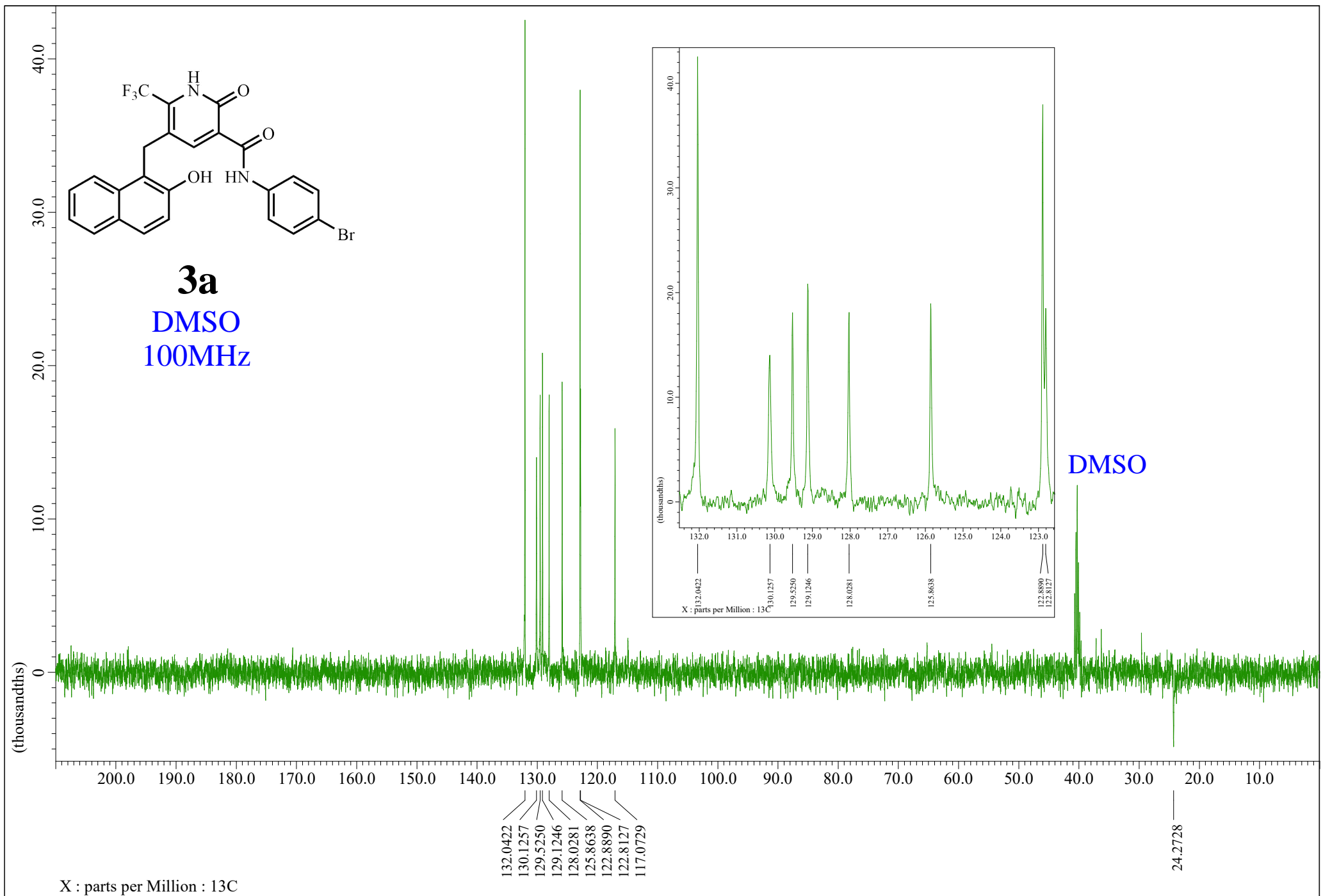
### **Supplementary Information**

# <sup>1</sup>H NMR

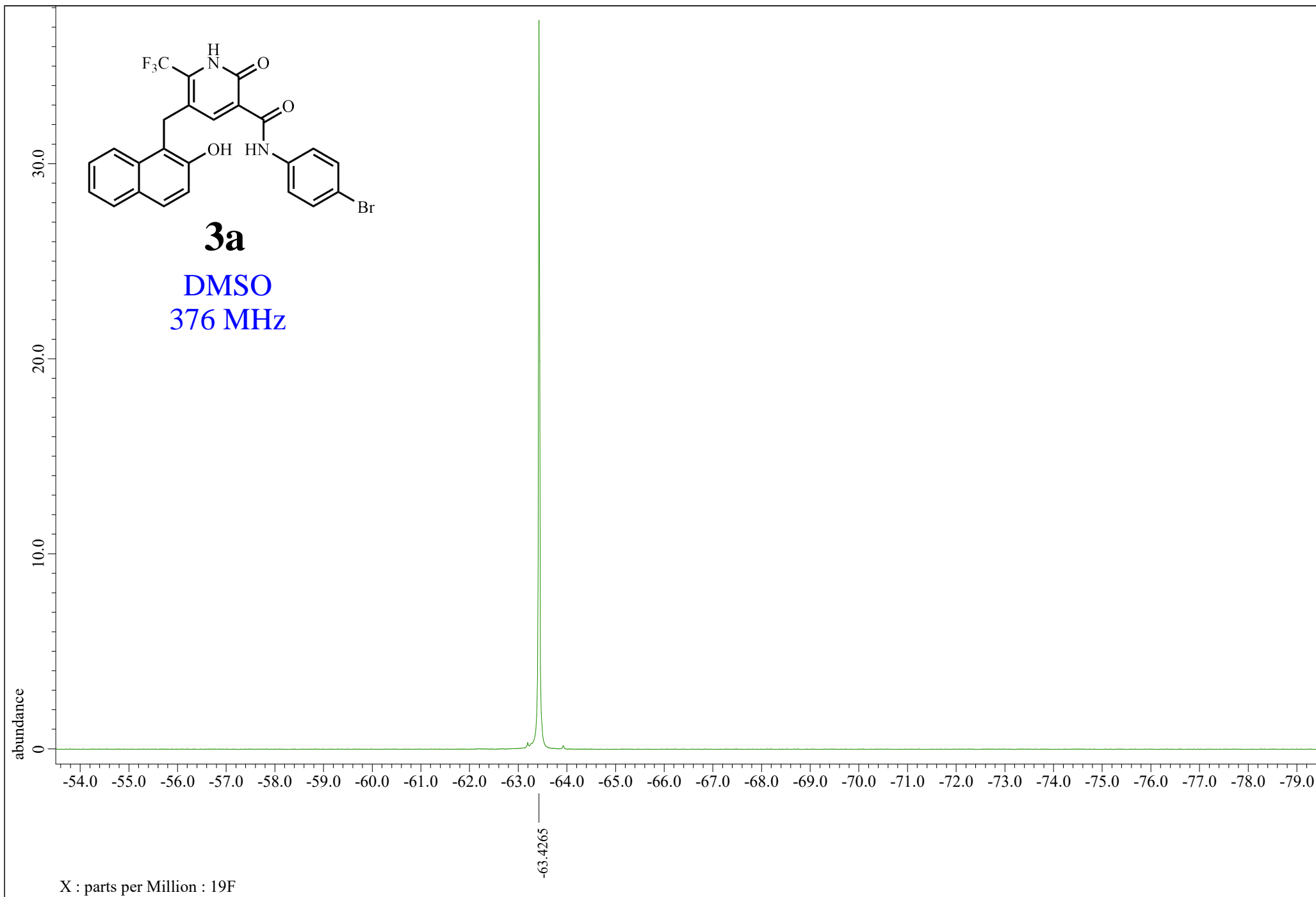




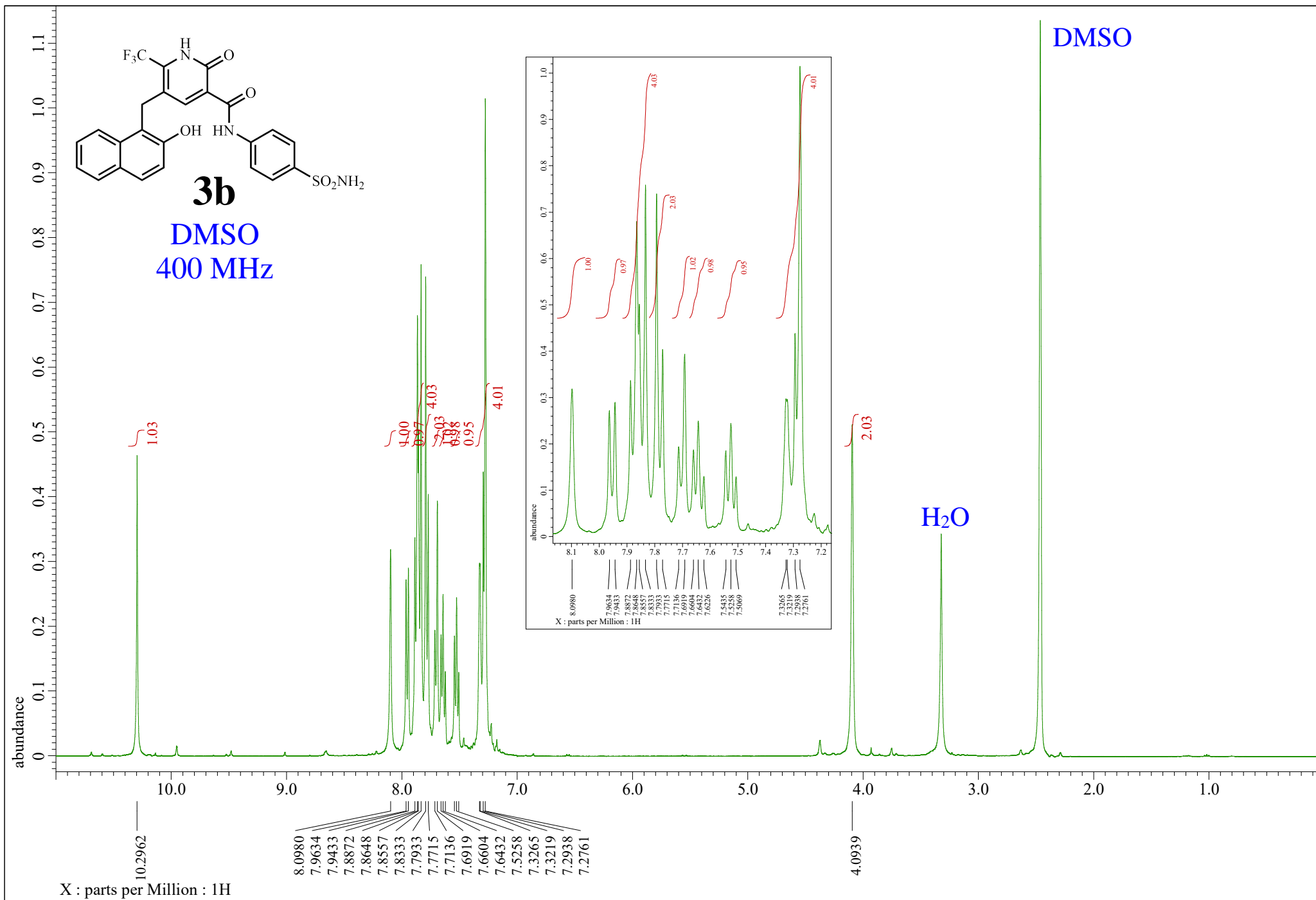
# DEPT NMR

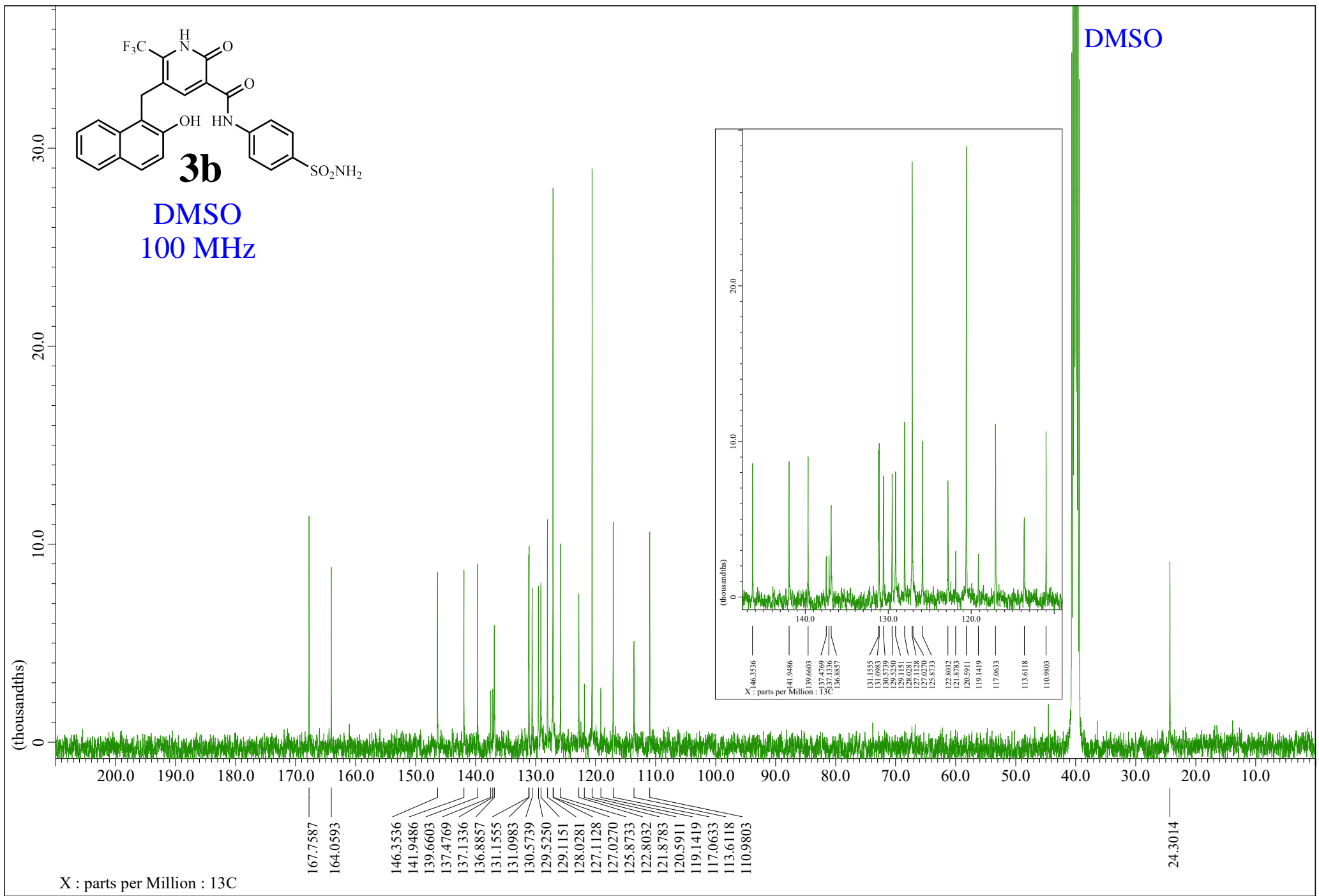


# $^{19}\text{F}$ NMR

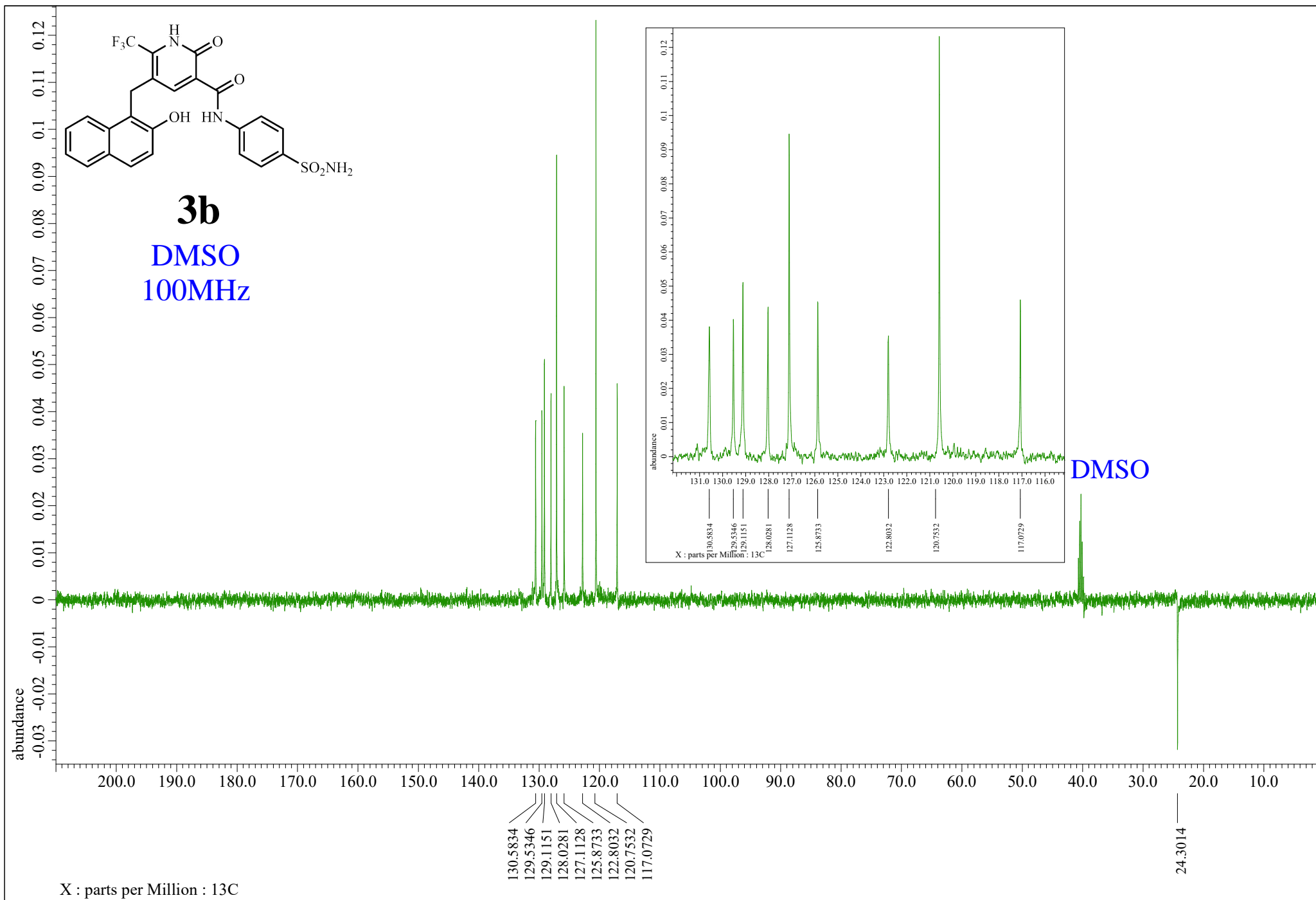


# <sup>1</sup>H NMR



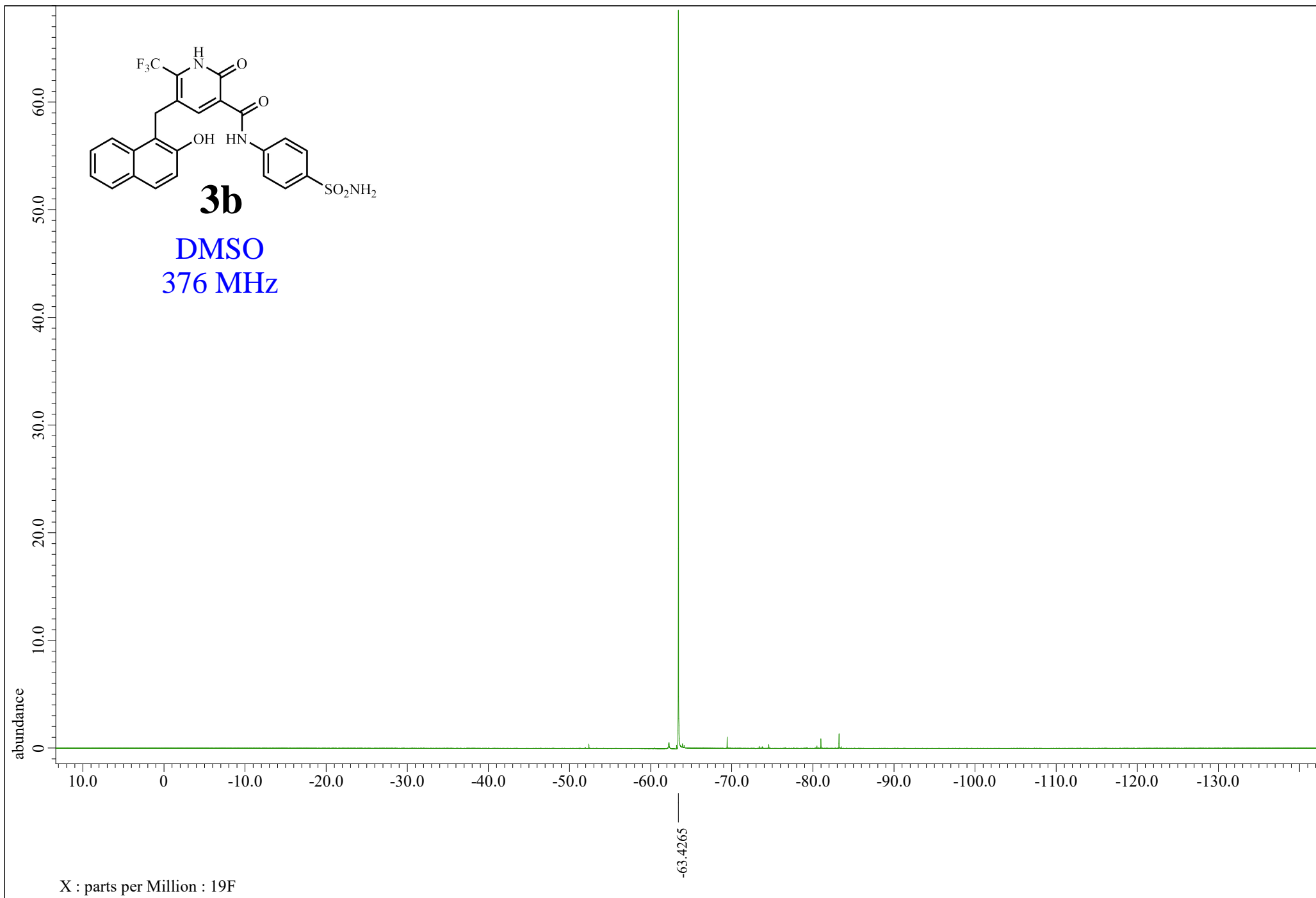


# DEPT NMR

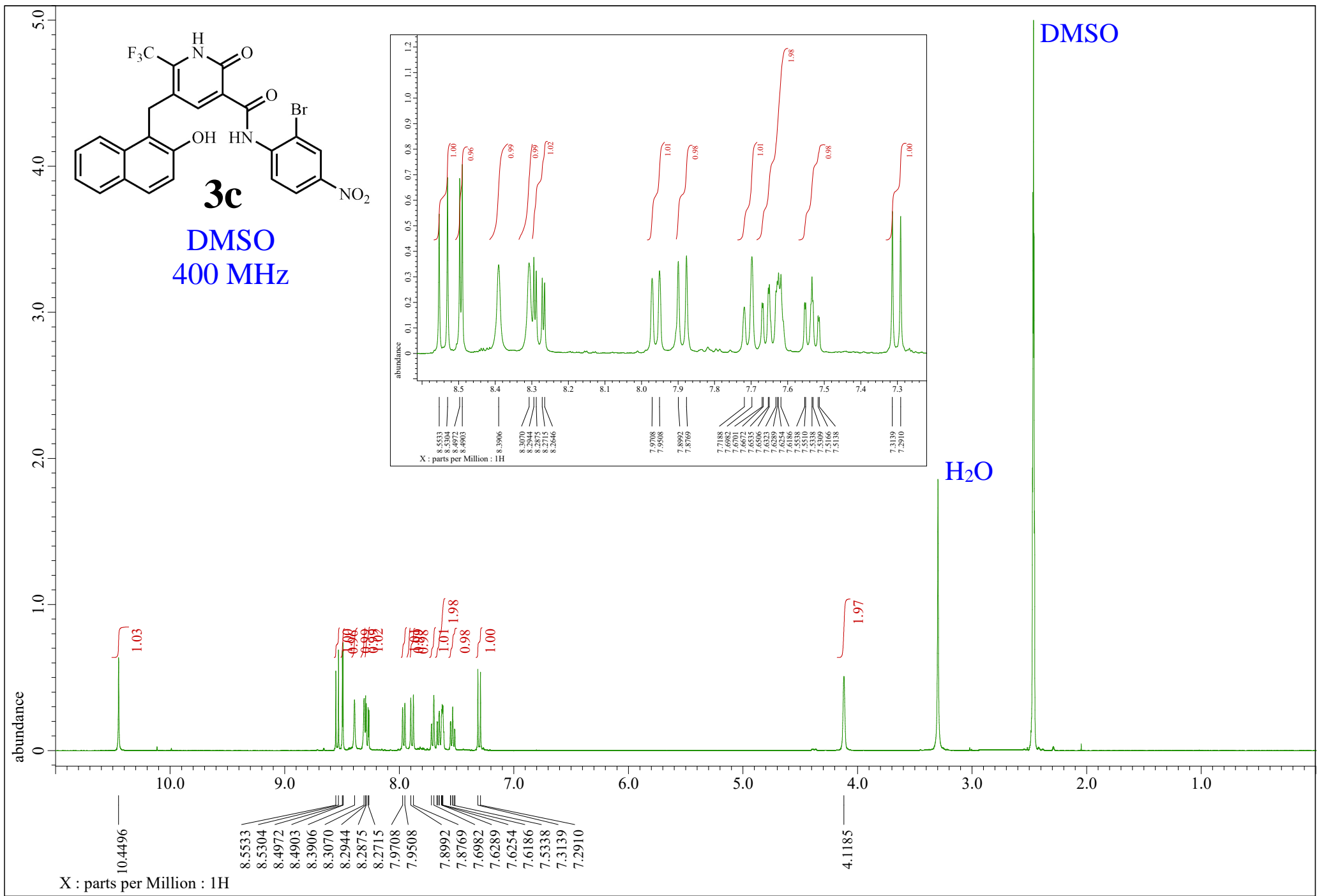




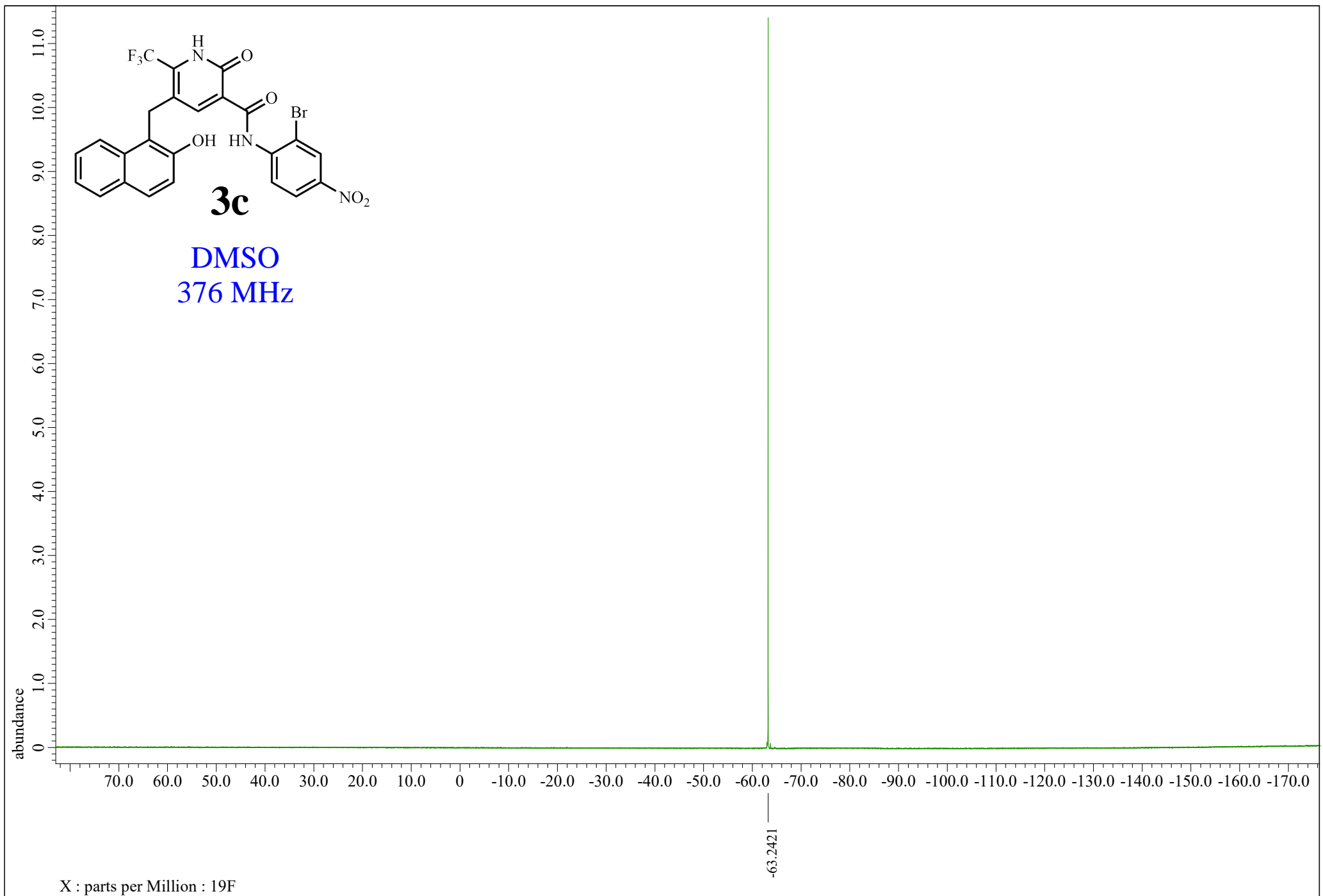
# <sup>19</sup>F NMR



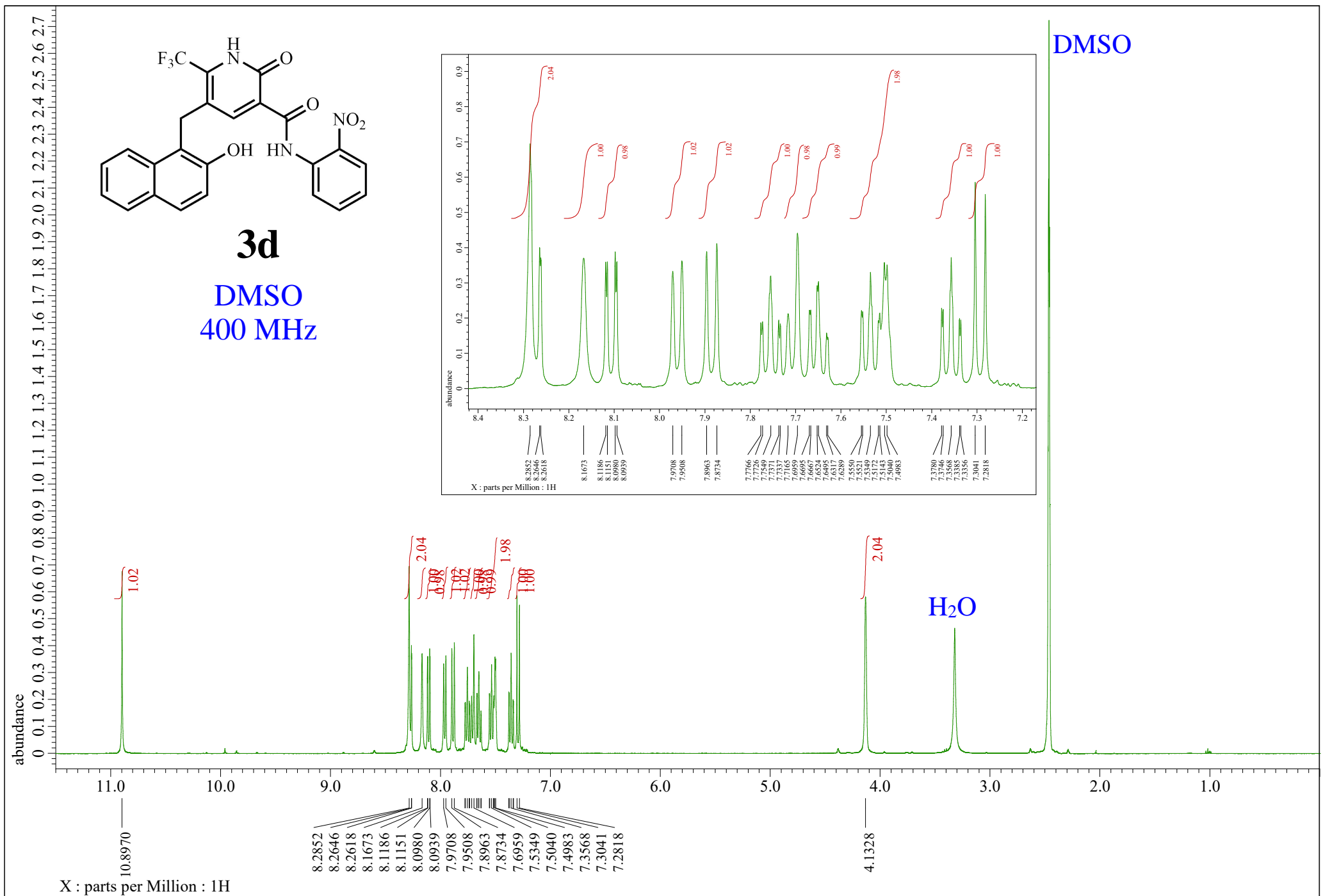
# <sup>1</sup>H NMR



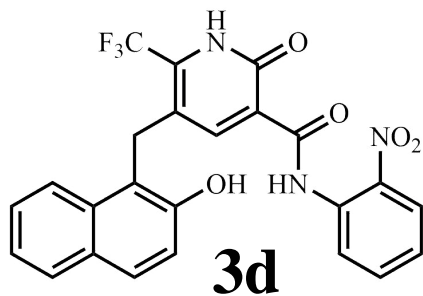
# $^{19}\text{F}$ NMR



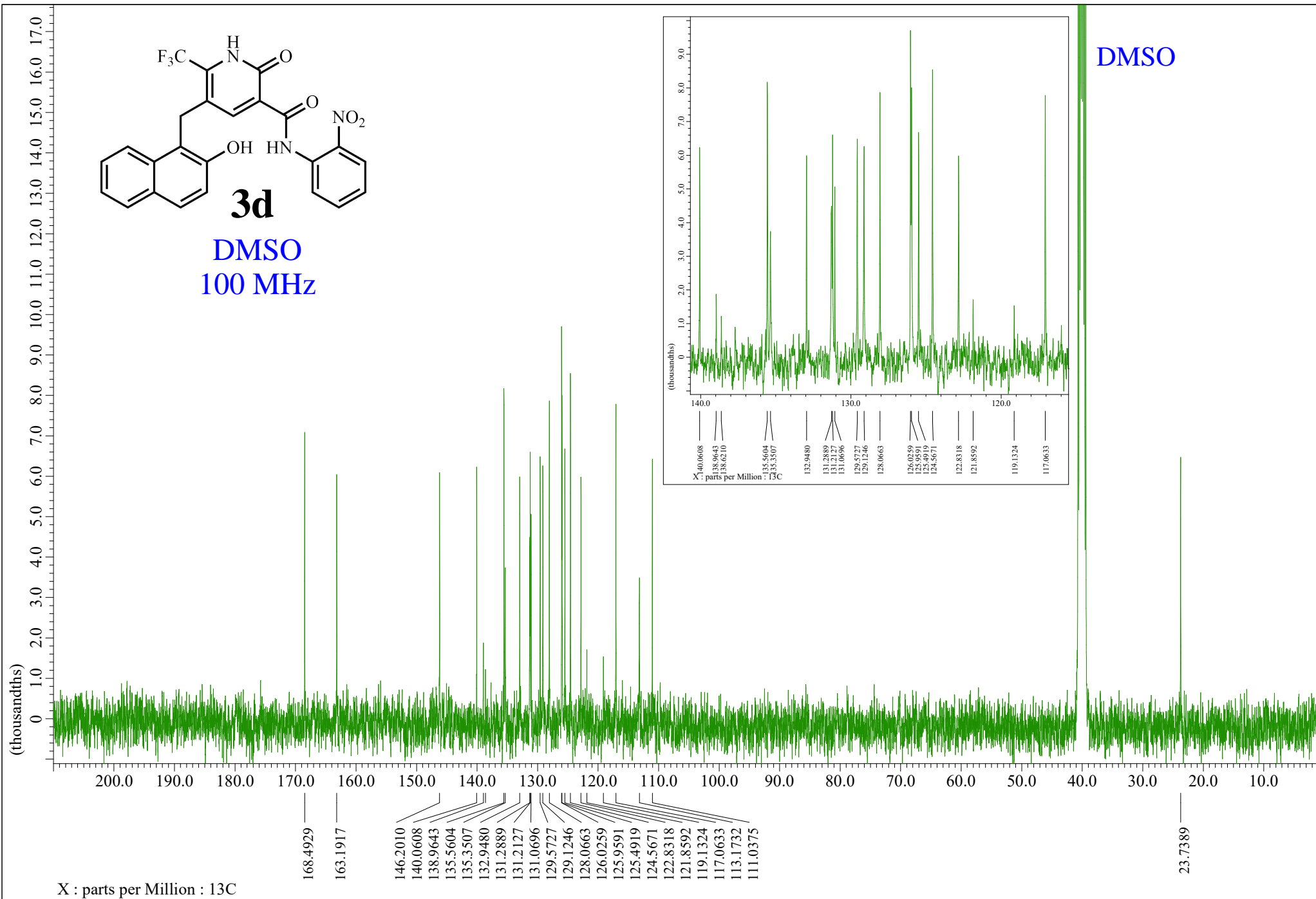
# <sup>1</sup>H NMR



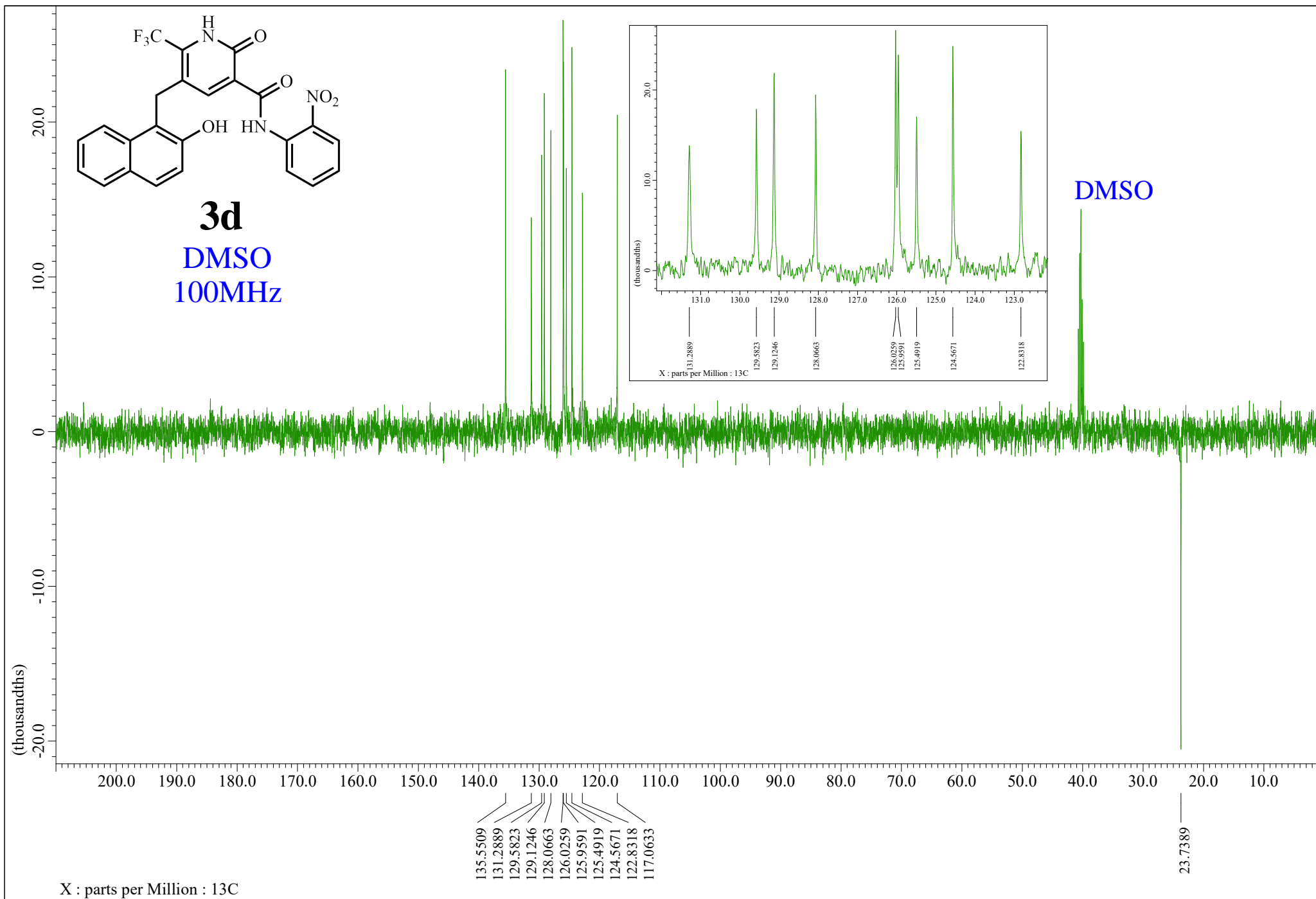
# <sup>13</sup>C NMR



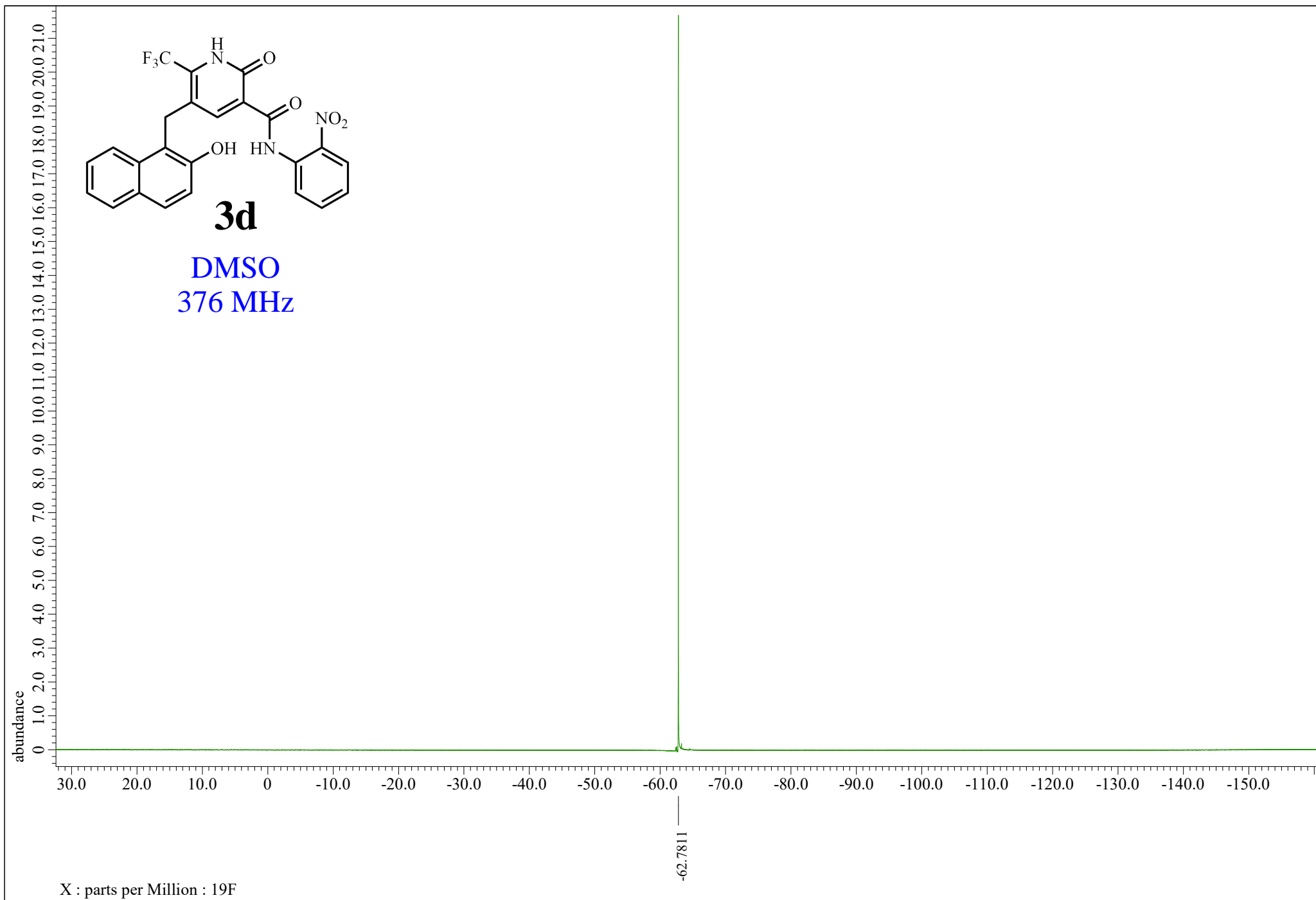
DMSO  
100 MHz



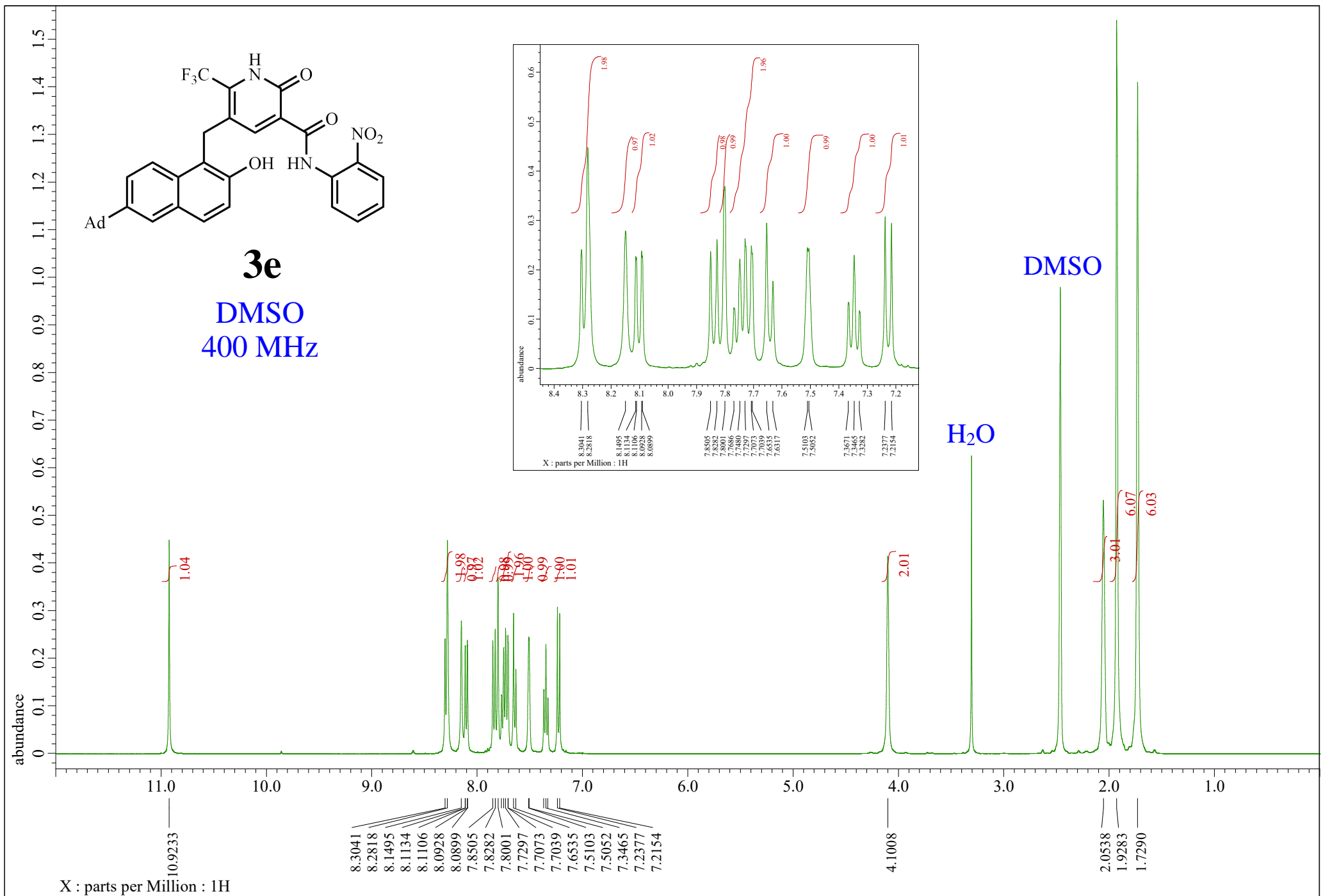
# DEPT NMR



# <sup>19</sup>F NMR

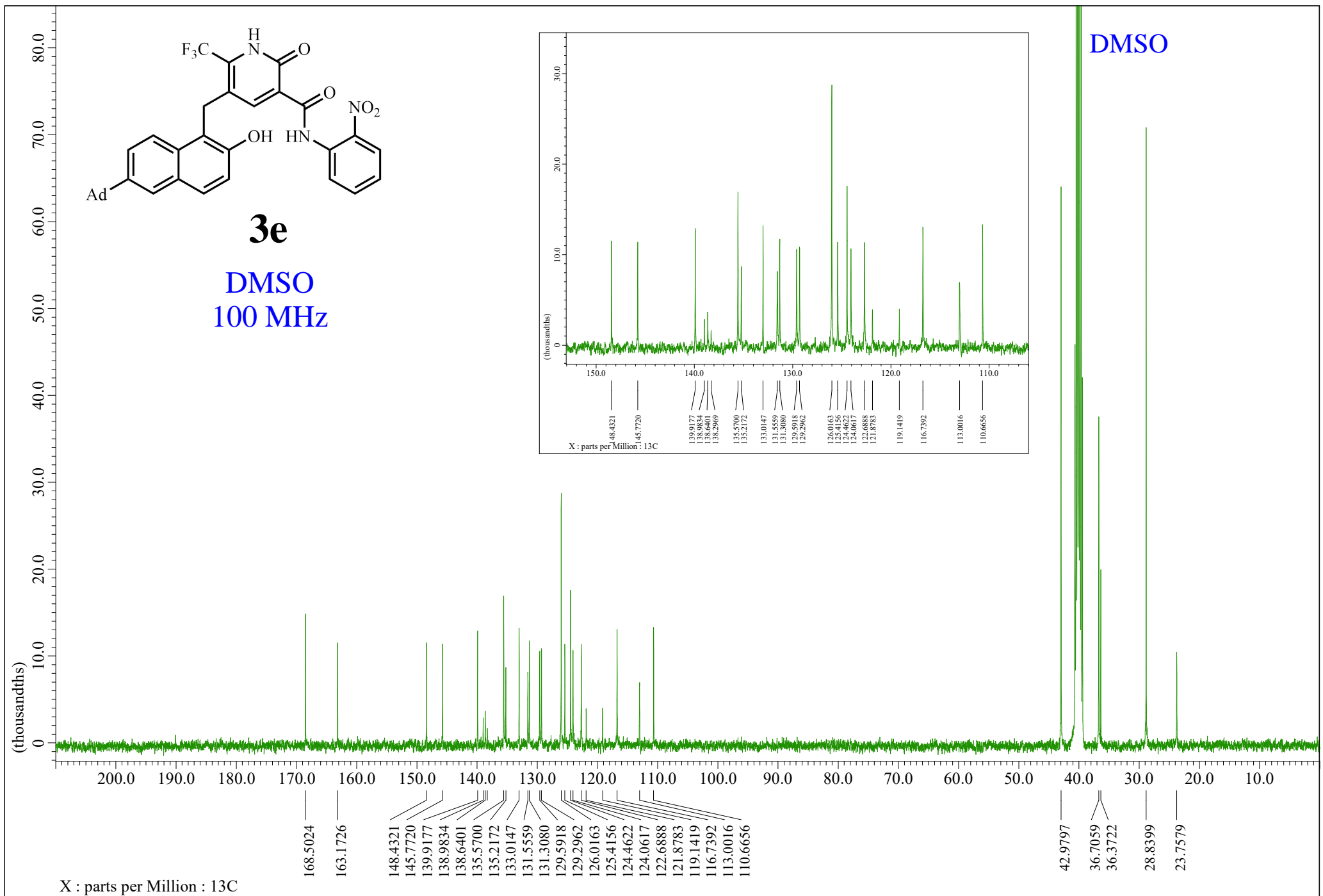


# <sup>1</sup>H NMR

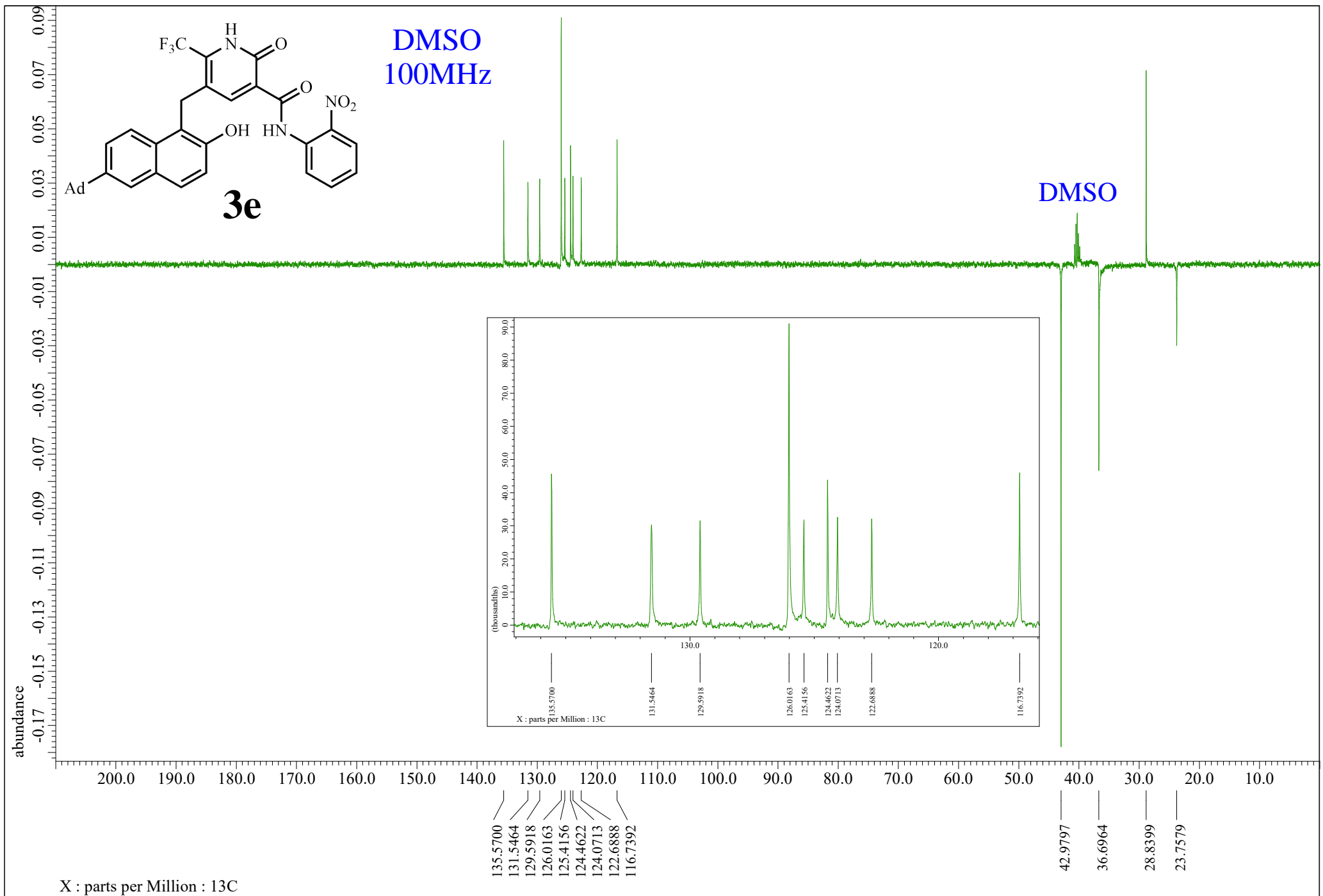




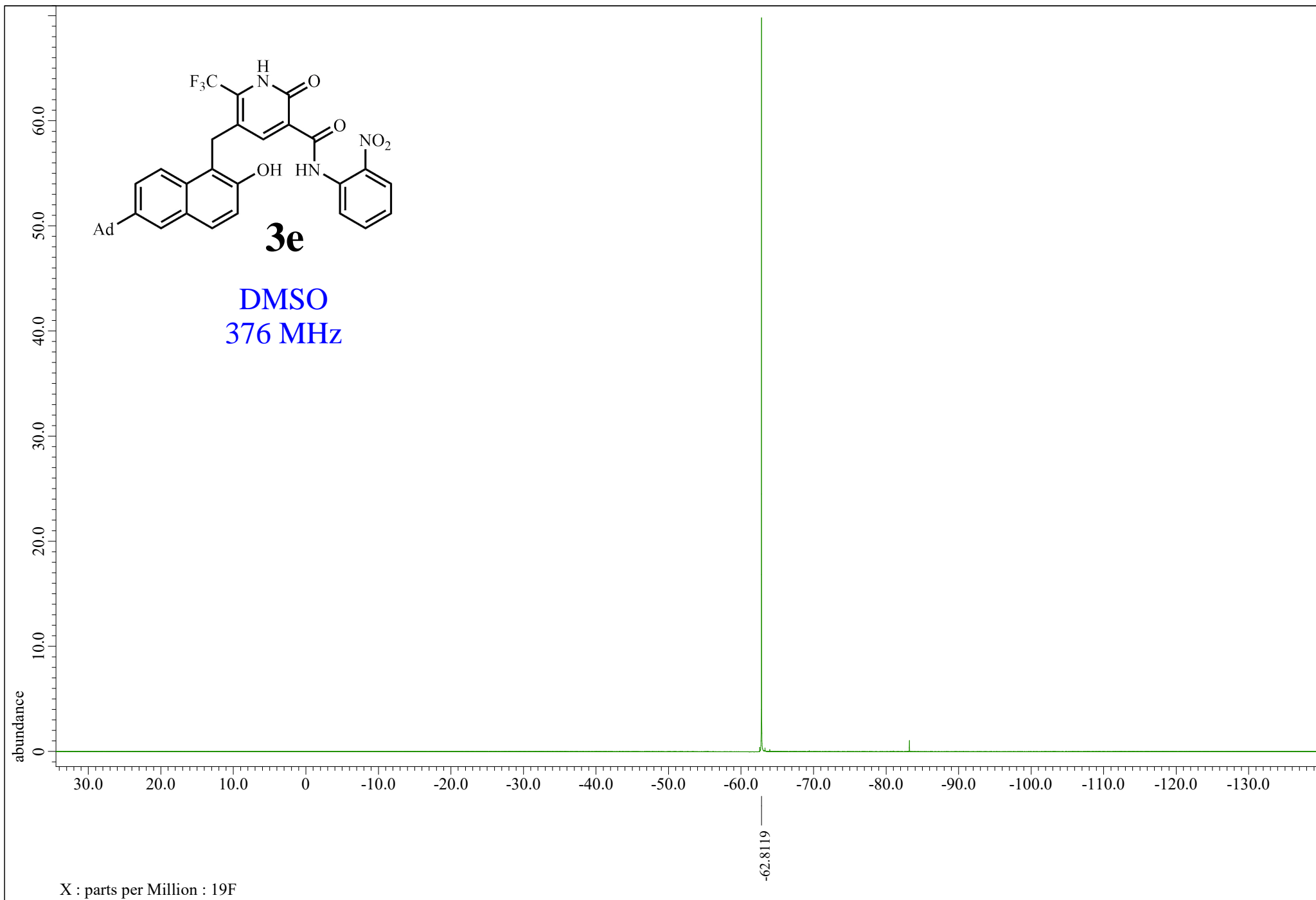
# <sup>13</sup>C NMR



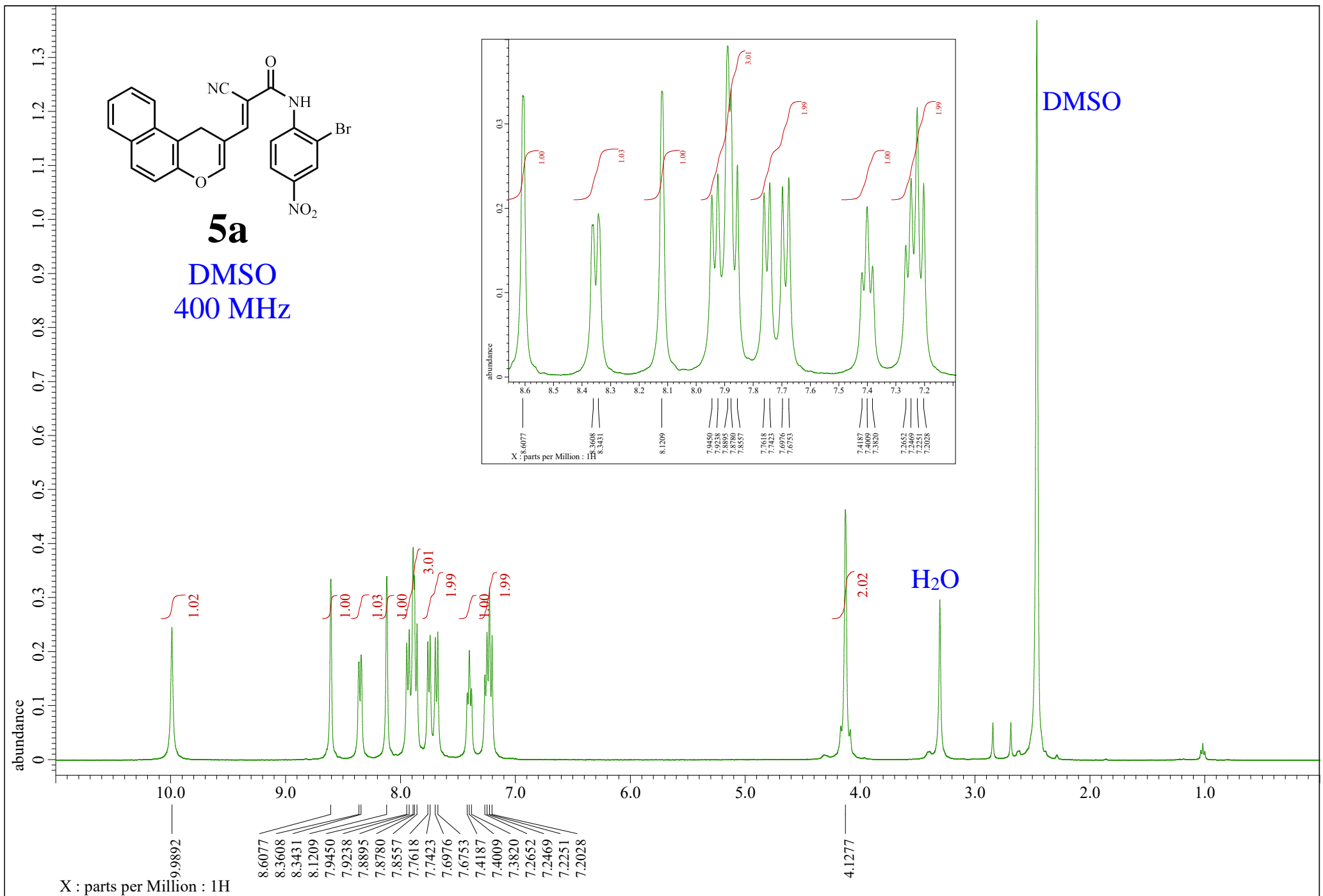
# DEPT NMR



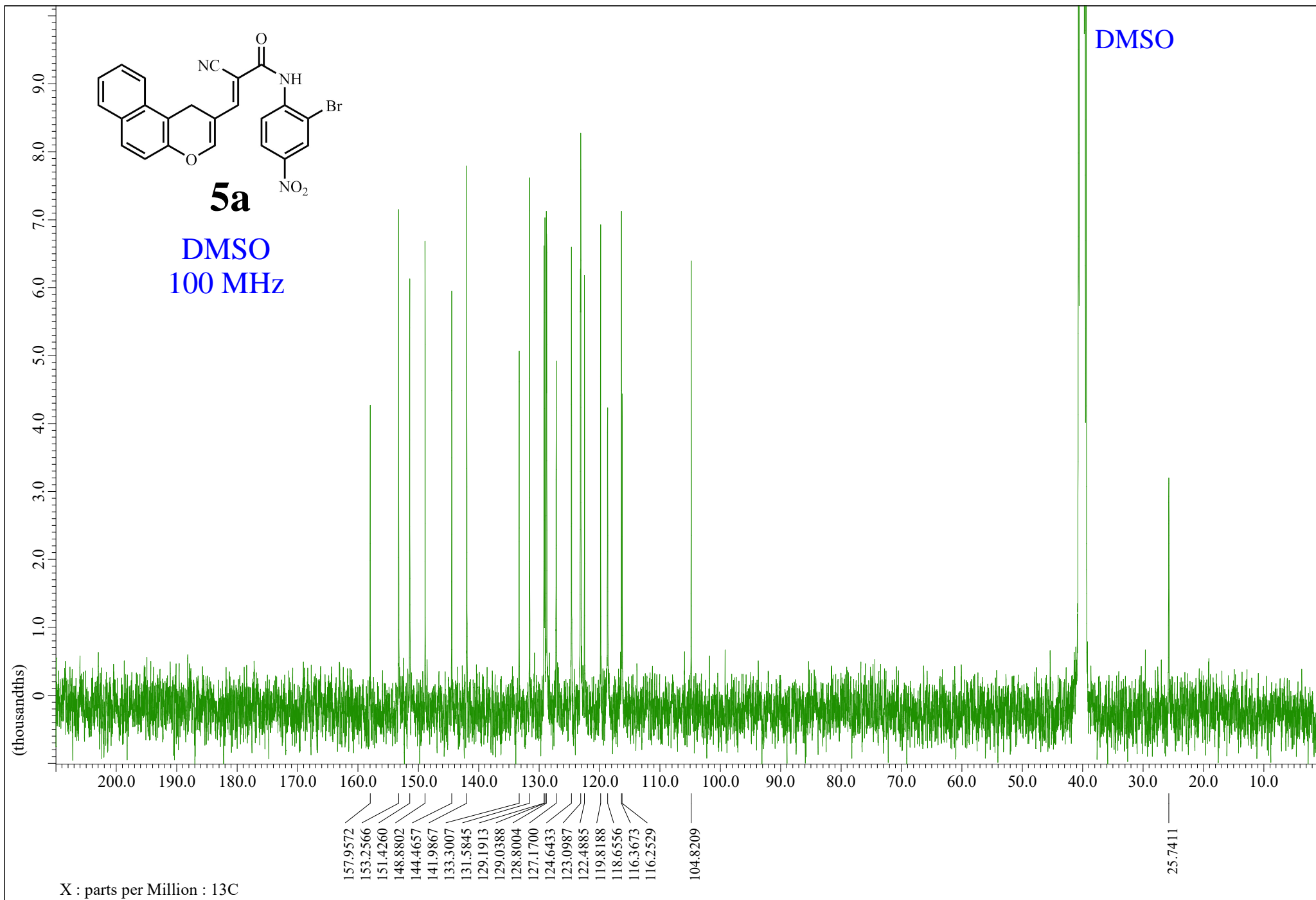
# <sup>19</sup>F NMR



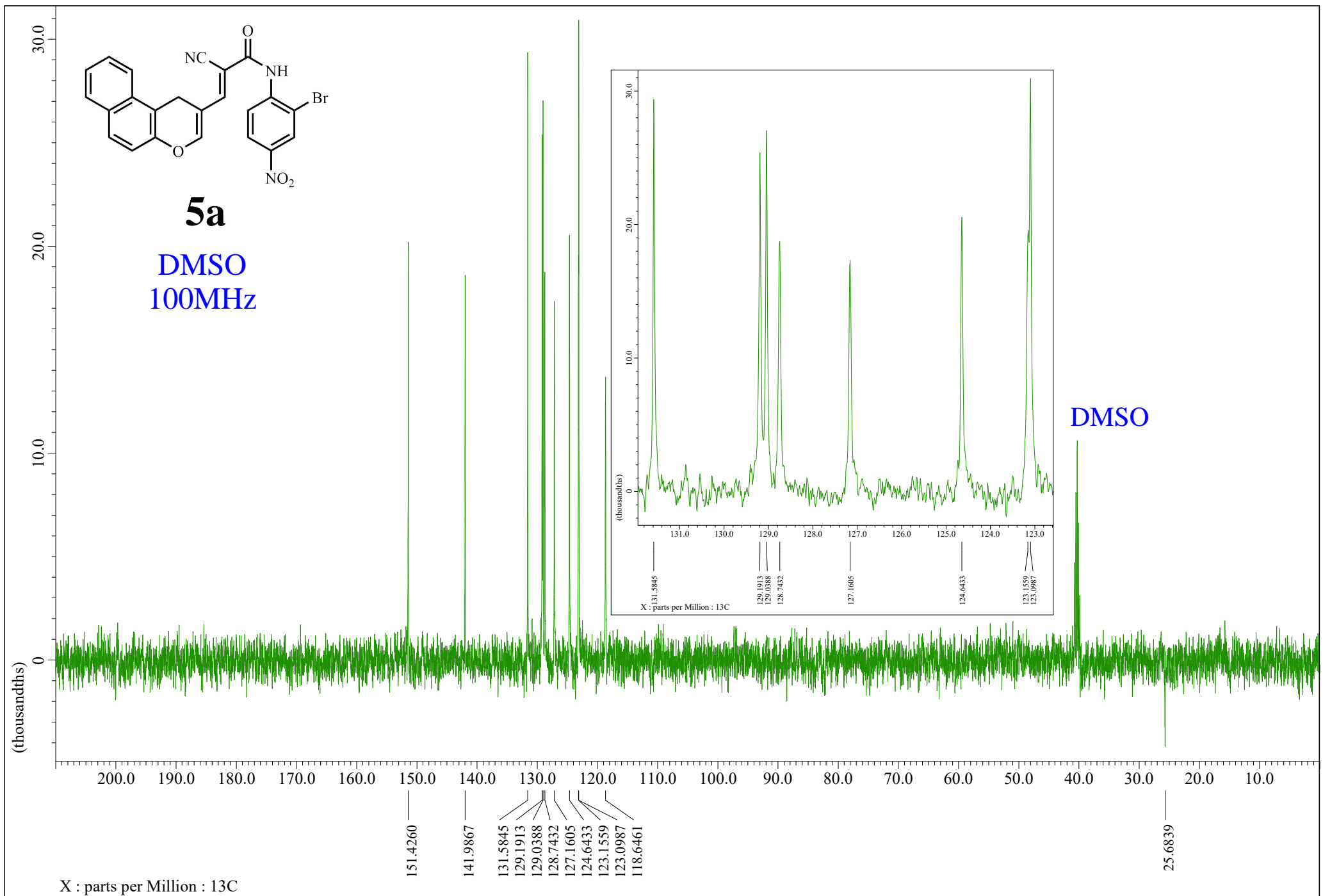
# <sup>1</sup>H NMR



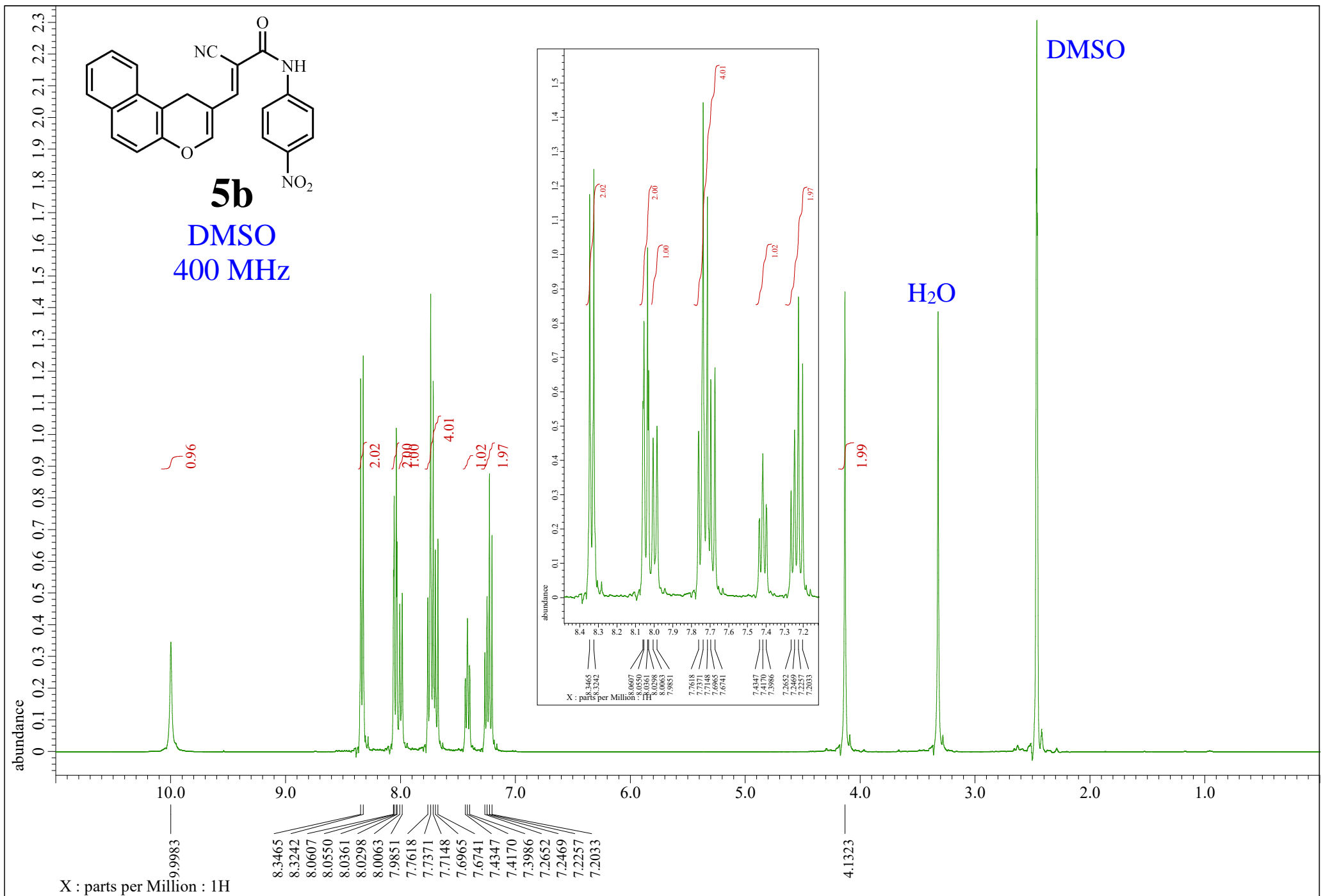
# <sup>13</sup>C NMR

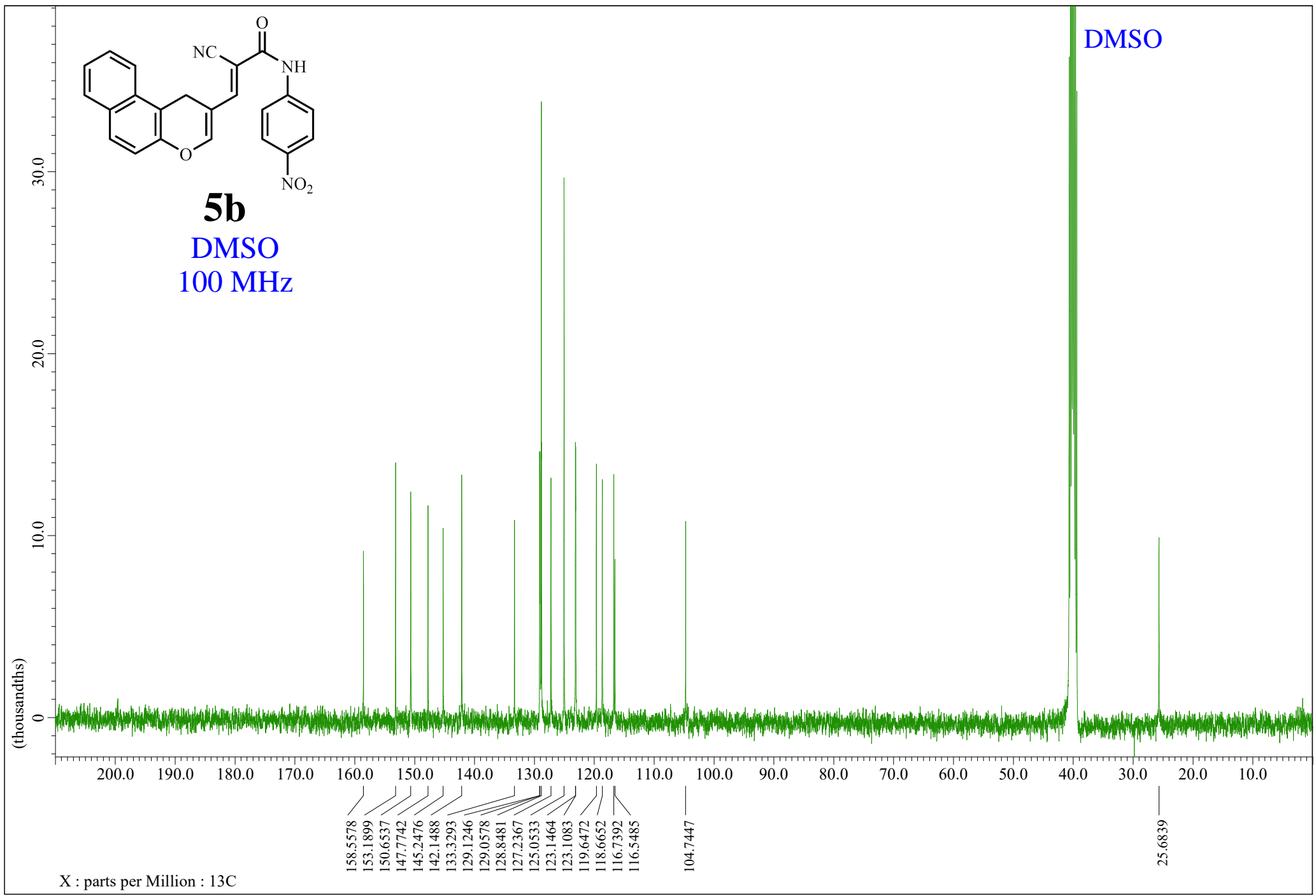


# DEPT NMR



# <sup>1</sup>H NMR







# DEPT NMR

