

Supplementary data for article:

Novkovic, L.; Trmcic, M.; Rodic, M.; Bihelovic, F.; Zlatar, M.; Matovic, R.; Saicic, R. N.  
Synthesis of Endoperoxides by Domino Reactions of Ketones and Molecular Oxygen. *RSC  
Advances* **2015**, 5 (120), 99577–99584. <https://doi.org/10.1039/c5ra13476e>

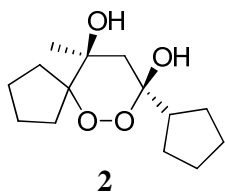
## **Electronic Supplementary Information (ESI)**

### **Synthesis of Endoperoxides by Domino Reactions of Ketones and Molecular Oxygen**

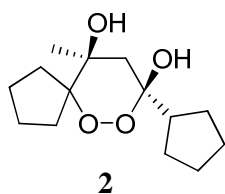
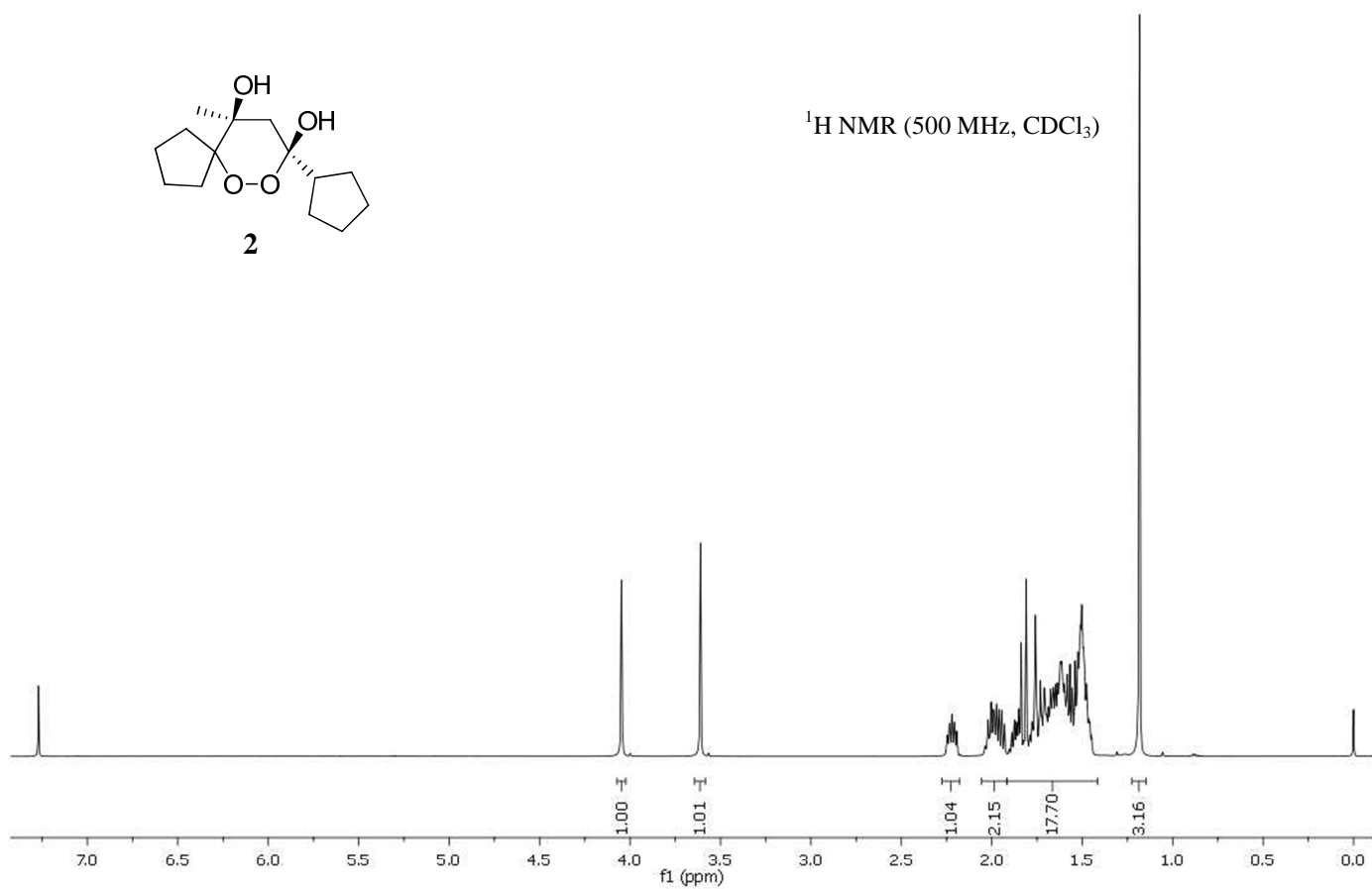
L. Novkovic, M. Trmcic, M. Rodic, F. Bihelovic, M. Zlatar, R. Matovic, and R. N. Saicic

**Copies of product  $^1\text{H}$  and  $^{13}\text{C}$  NMR spectra**

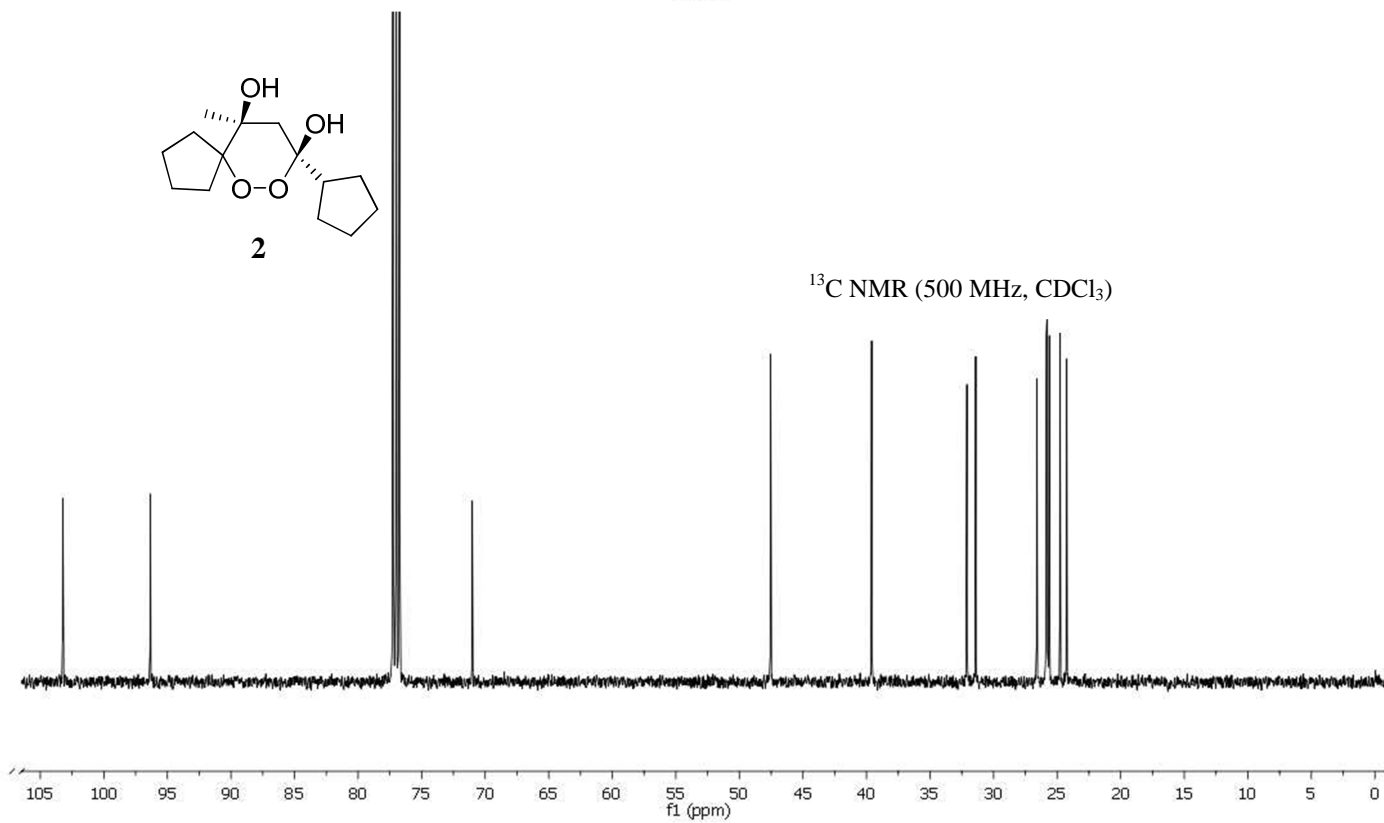
**S2-S17**

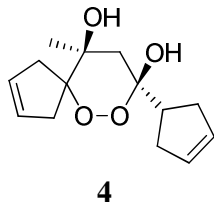


$^1\text{H}$  NMR (500 MHz,  $\text{CDCl}_3$ )

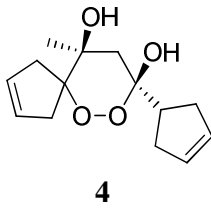
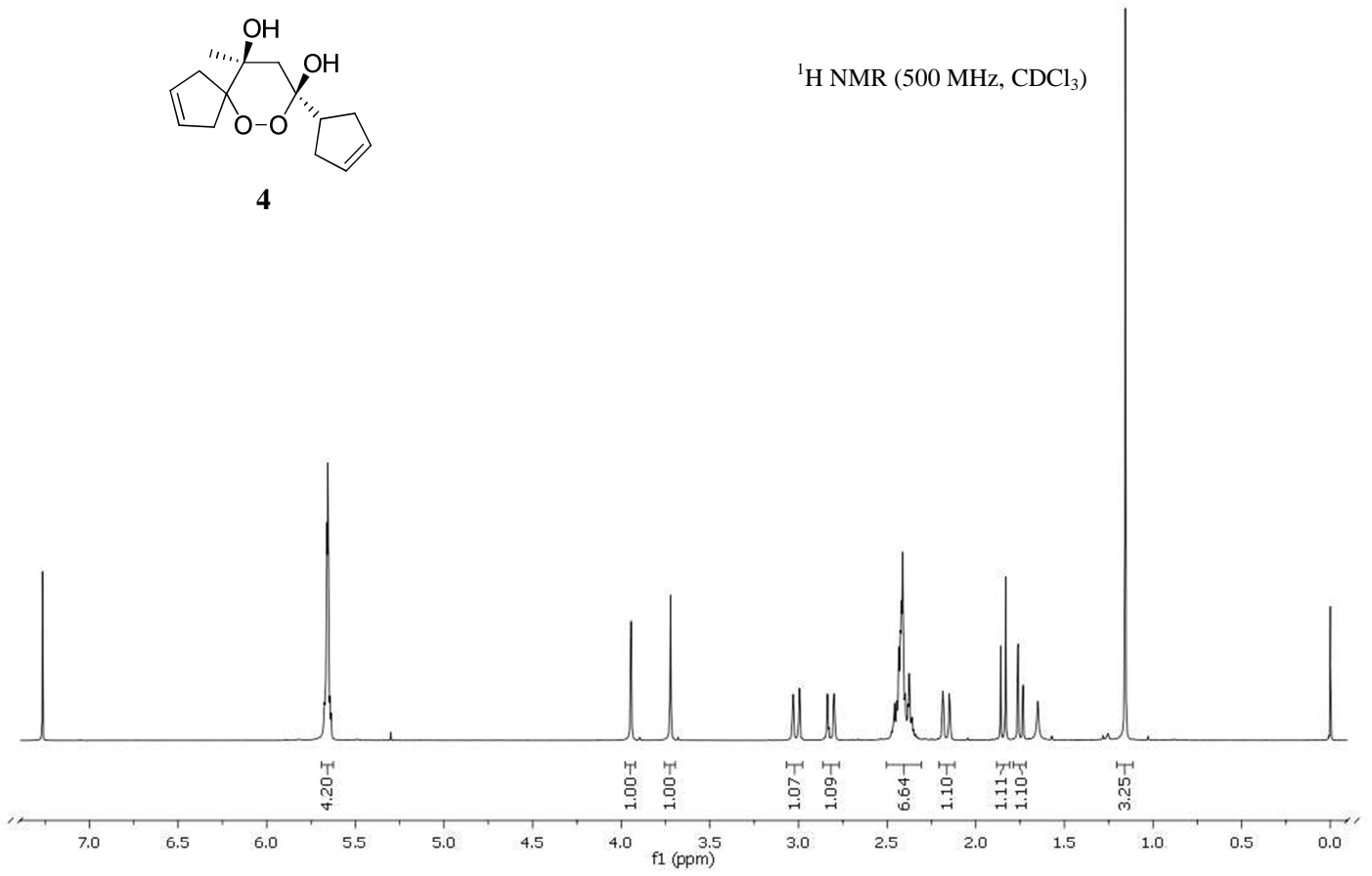


$^{13}\text{C}$  NMR (500 MHz,  $\text{CDCl}_3$ )

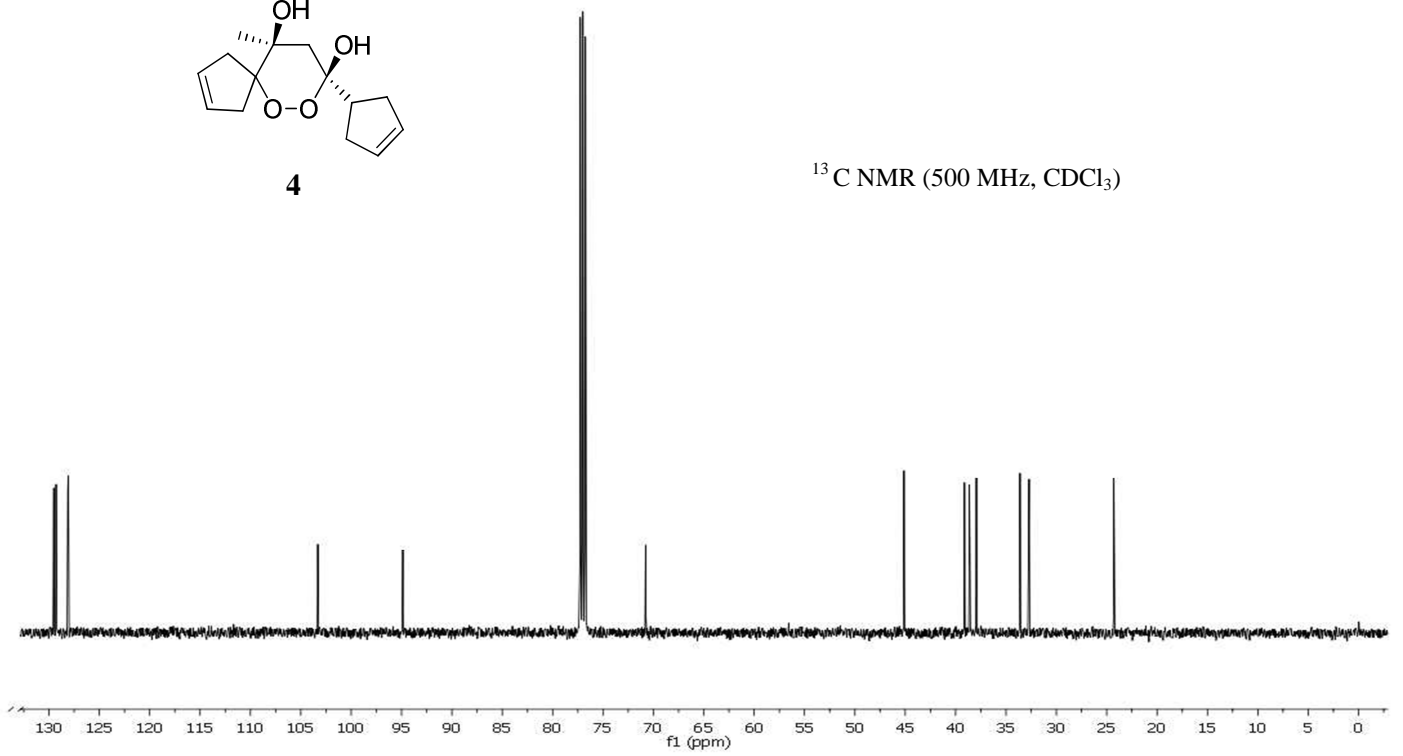


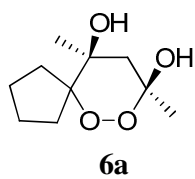


$^1\text{H NMR}$  (500 MHz,  $\text{CDCl}_3$ )

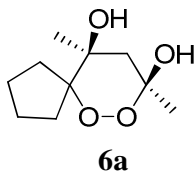
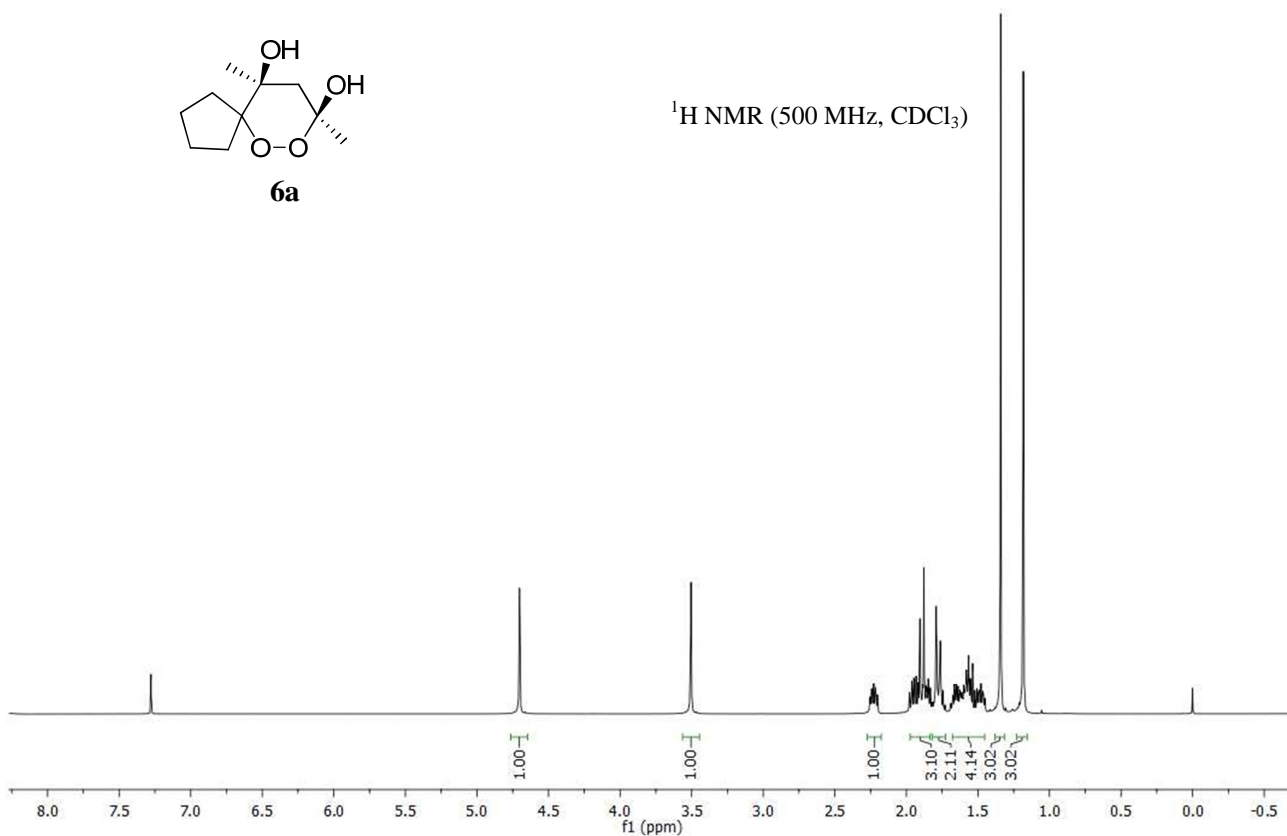


$^{13}\text{C NMR}$  (500 MHz,  $\text{CDCl}_3$ )

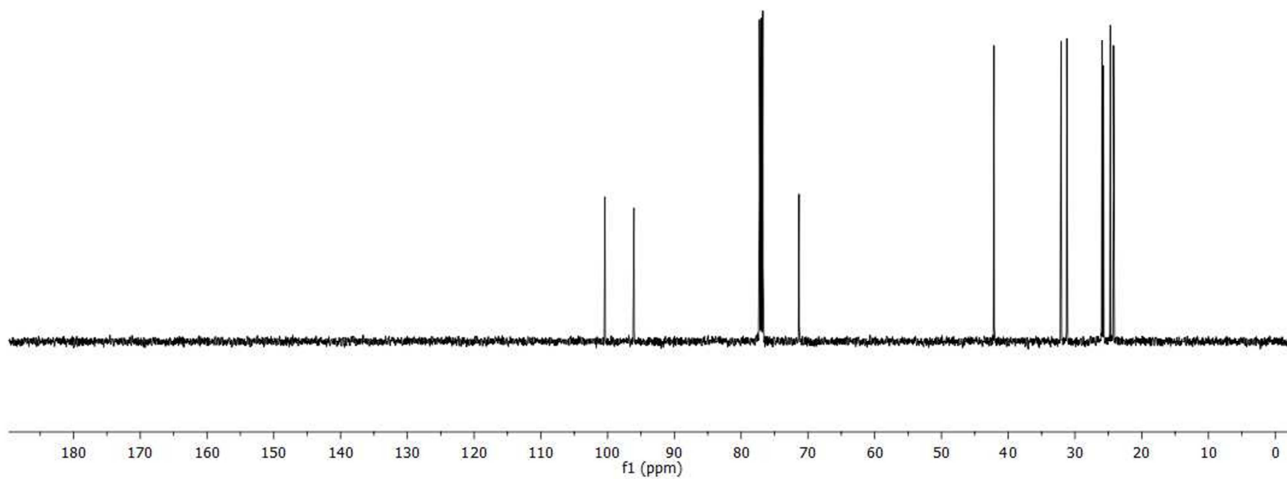


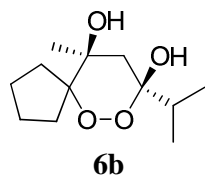


$^1\text{H}$  NMR (500 MHz,  $\text{CDCl}_3$ )

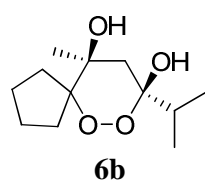
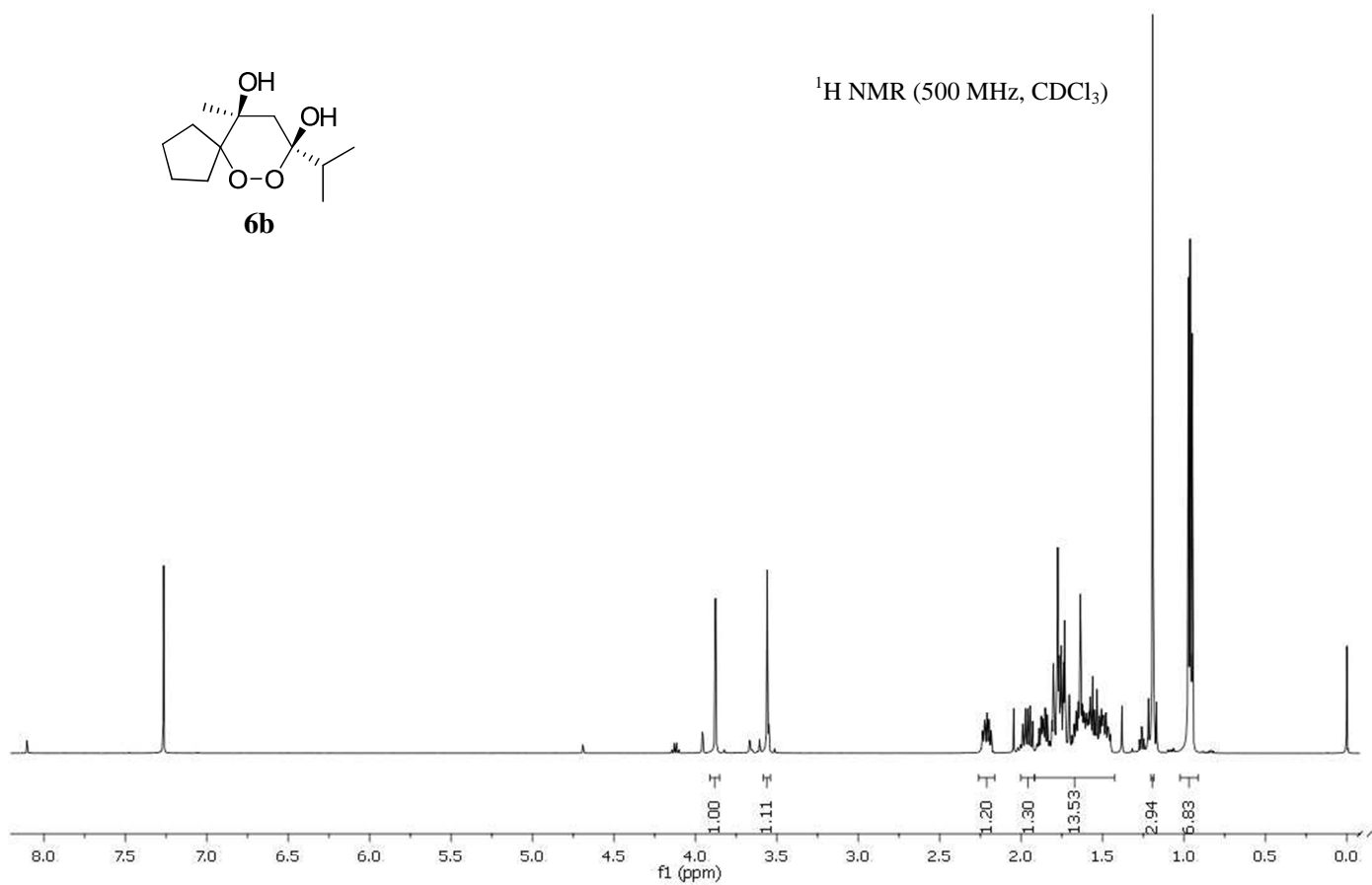


$^{13}\text{C}$  NMR (500 MHz,  $\text{CDCl}_3$ )

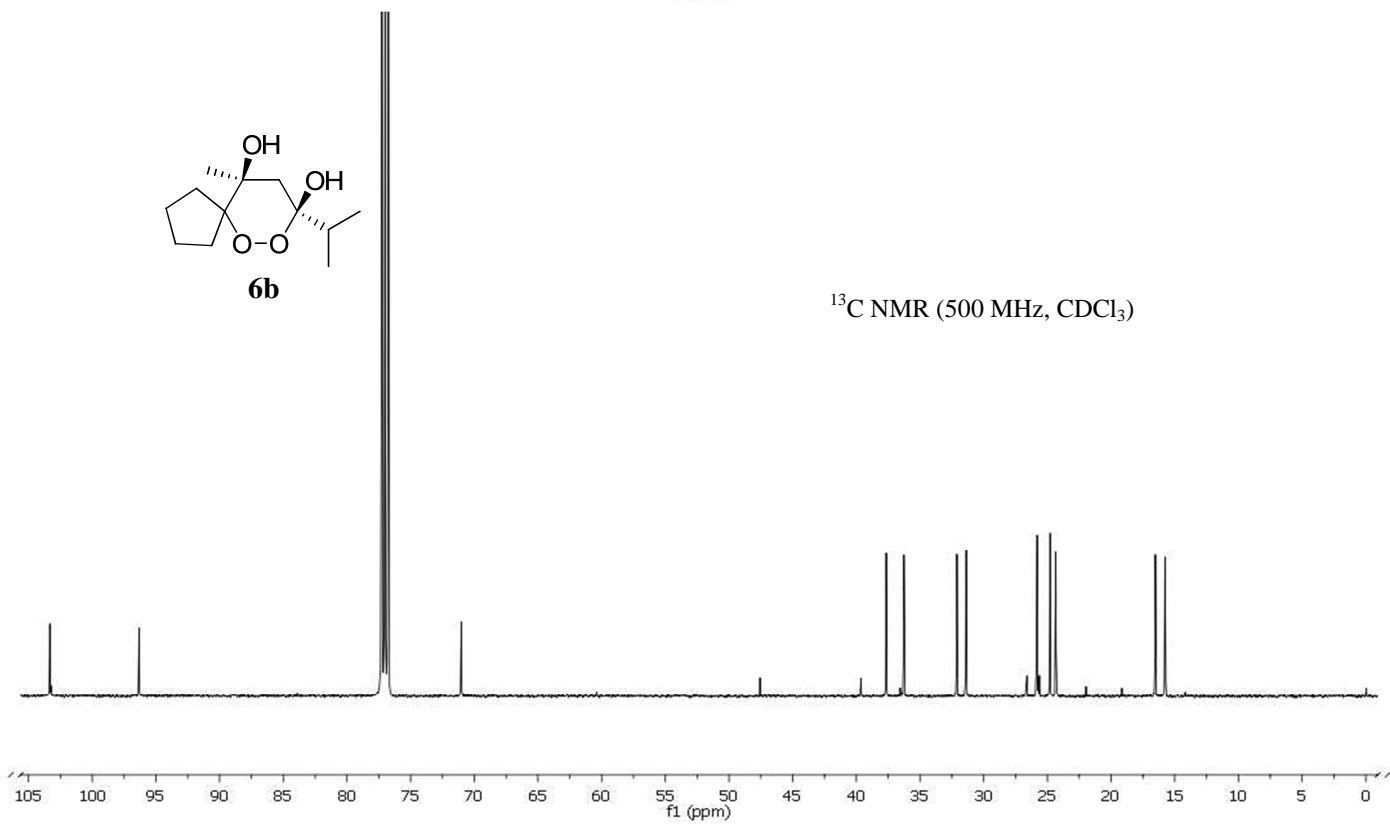


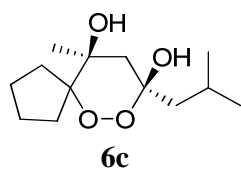


$^1\text{H NMR}$  (500 MHz,  $\text{CDCl}_3$ )

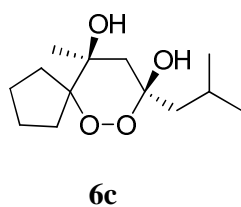
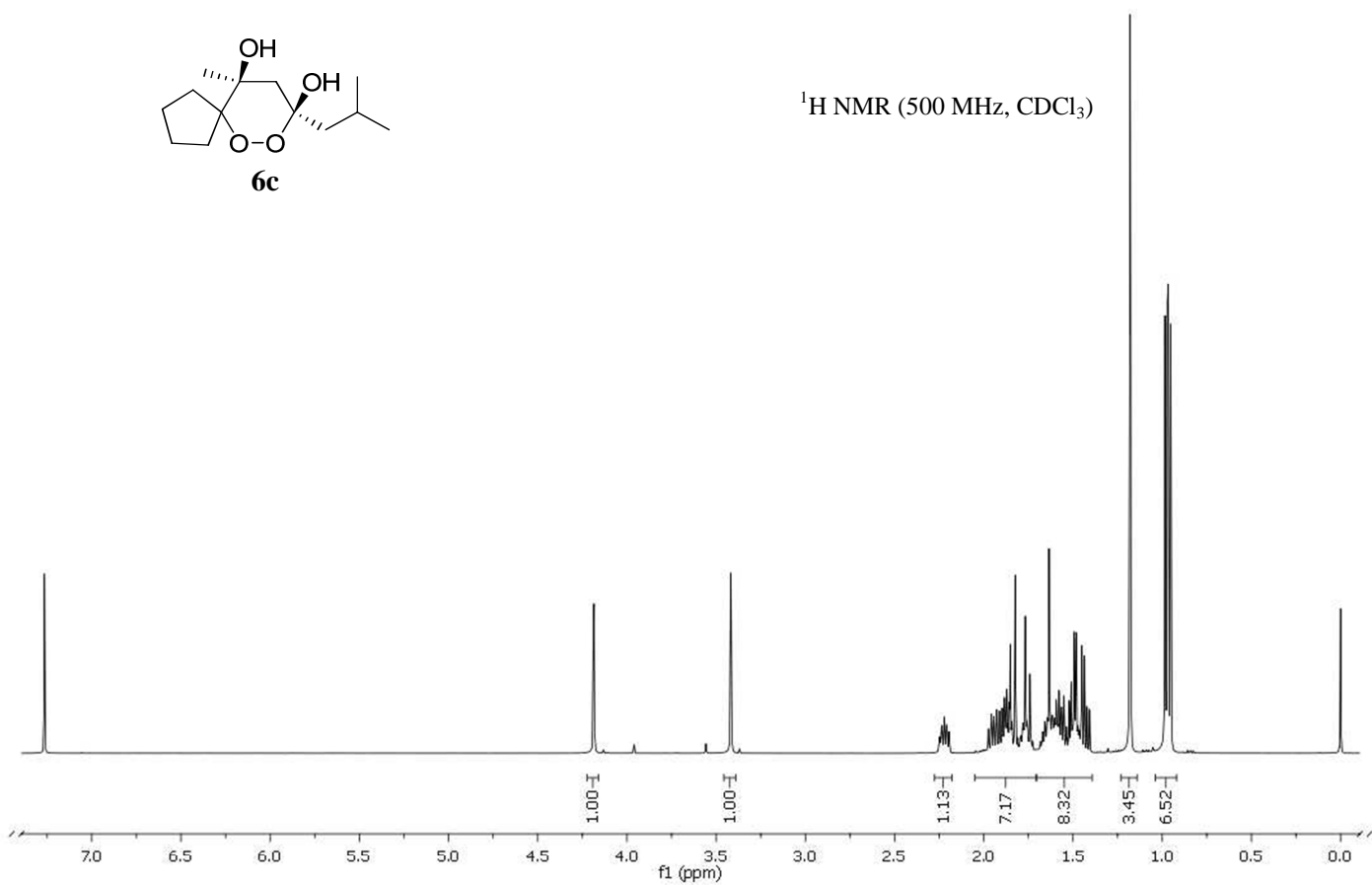


$^{13}\text{C NMR}$  (500 MHz,  $\text{CDCl}_3$ )

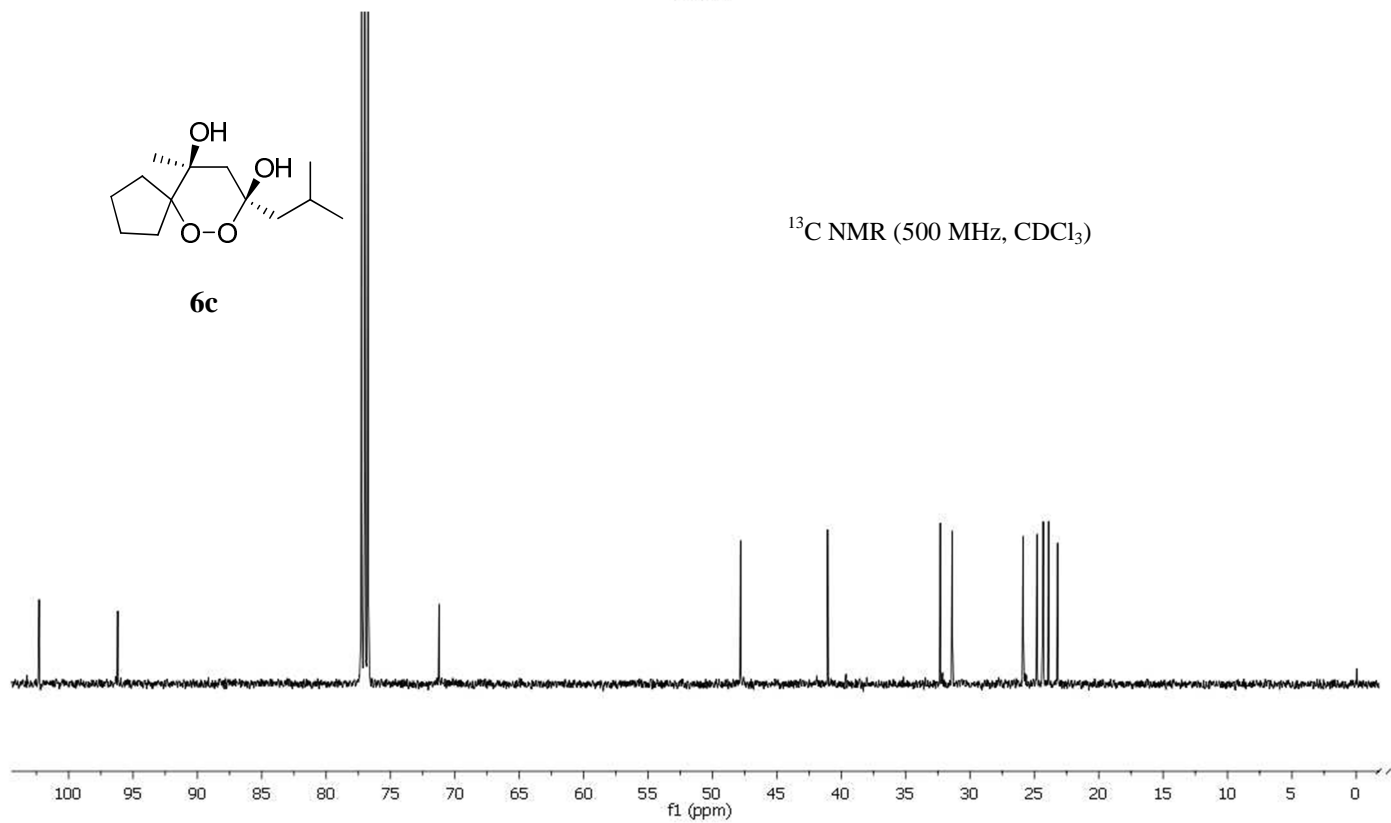


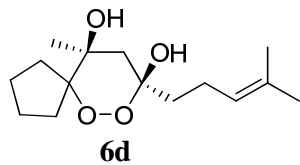


$^1\text{H}$  NMR (500 MHz,  $\text{CDCl}_3$ )

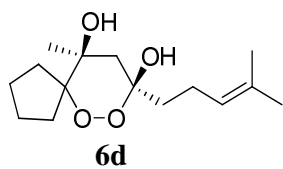
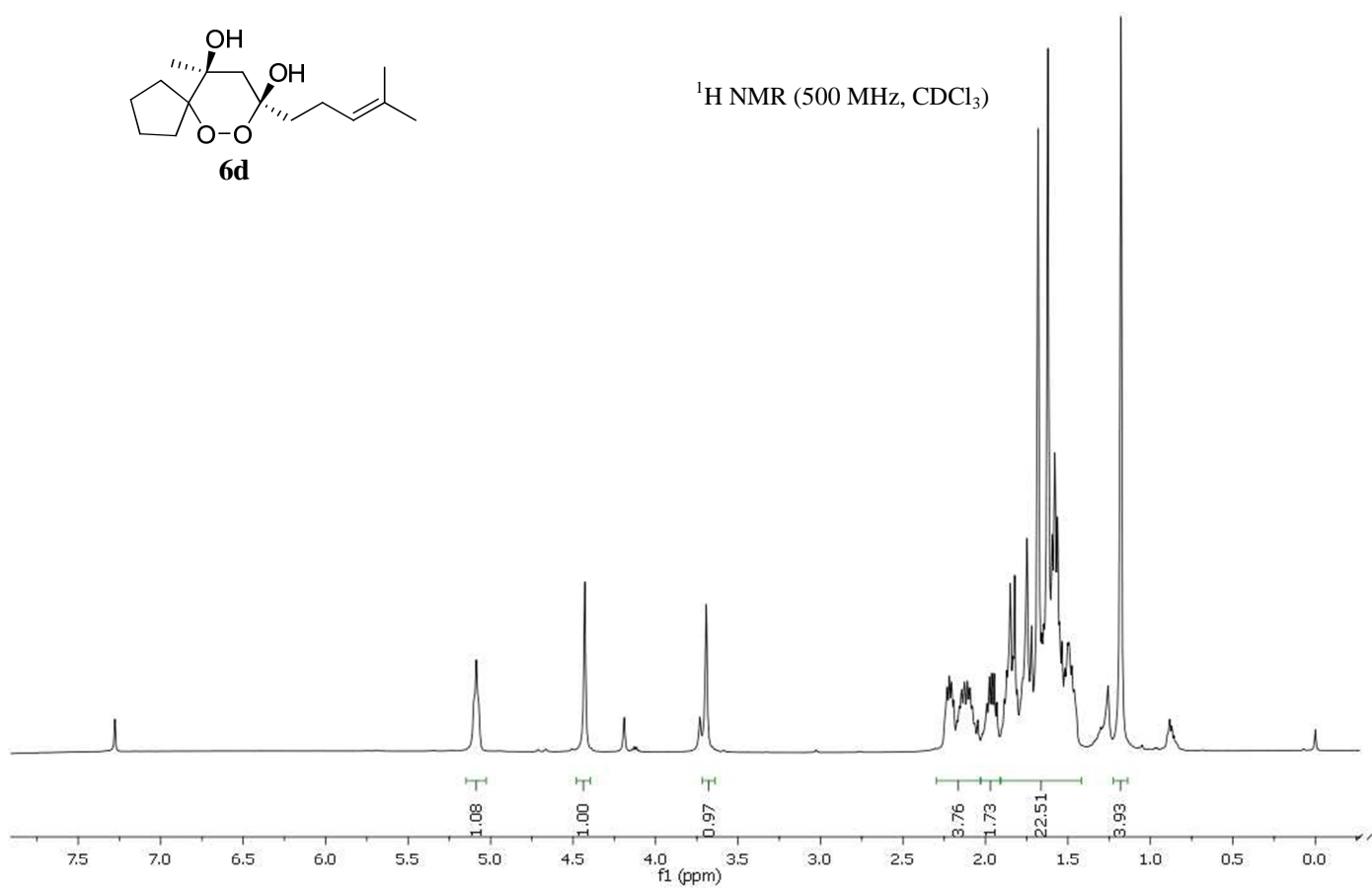


$^{13}\text{C}$  NMR (500 MHz,  $\text{CDCl}_3$ )

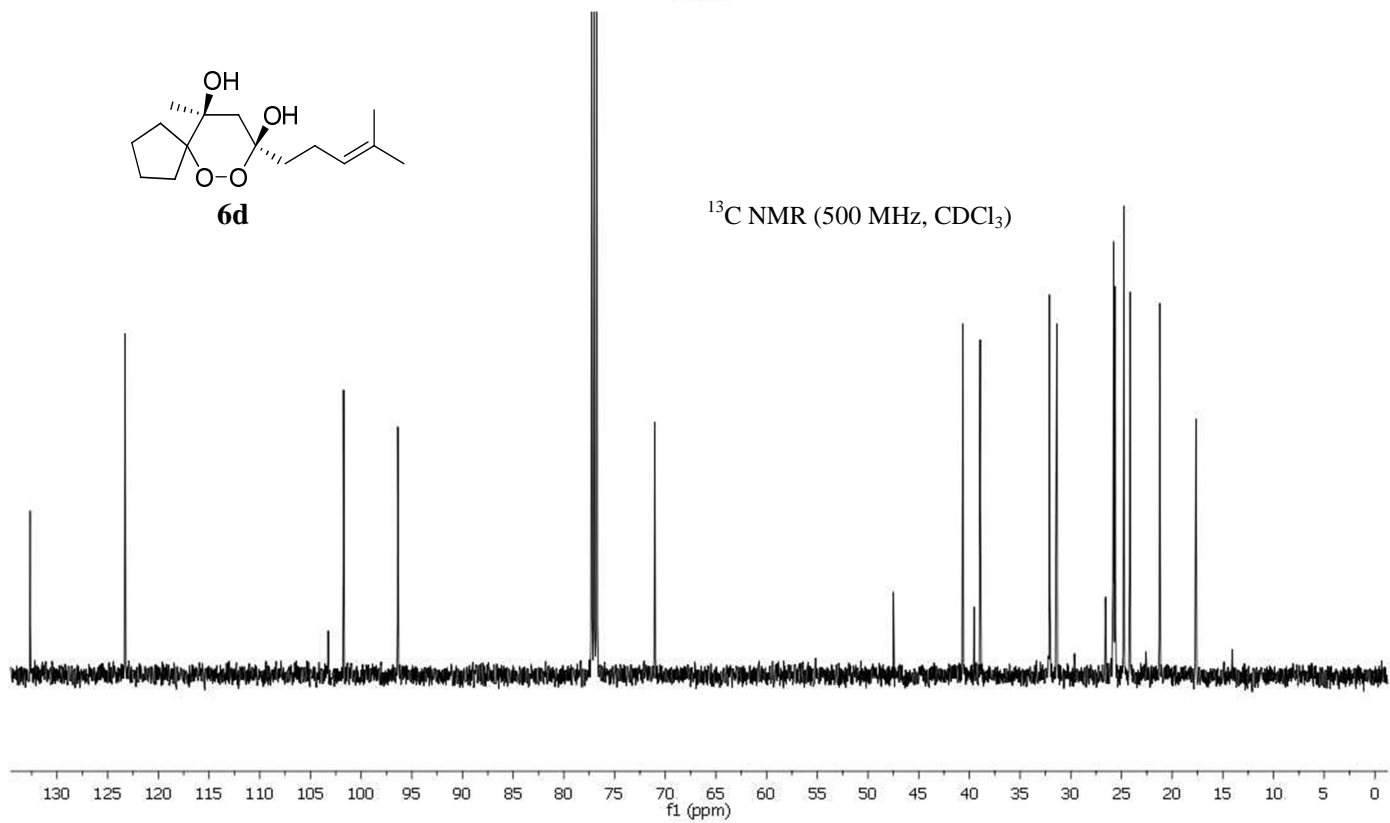




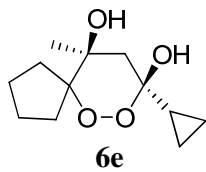
$^1\text{H NMR}$  (500 MHz,  $\text{CDCl}_3$ )



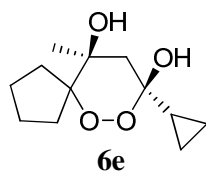
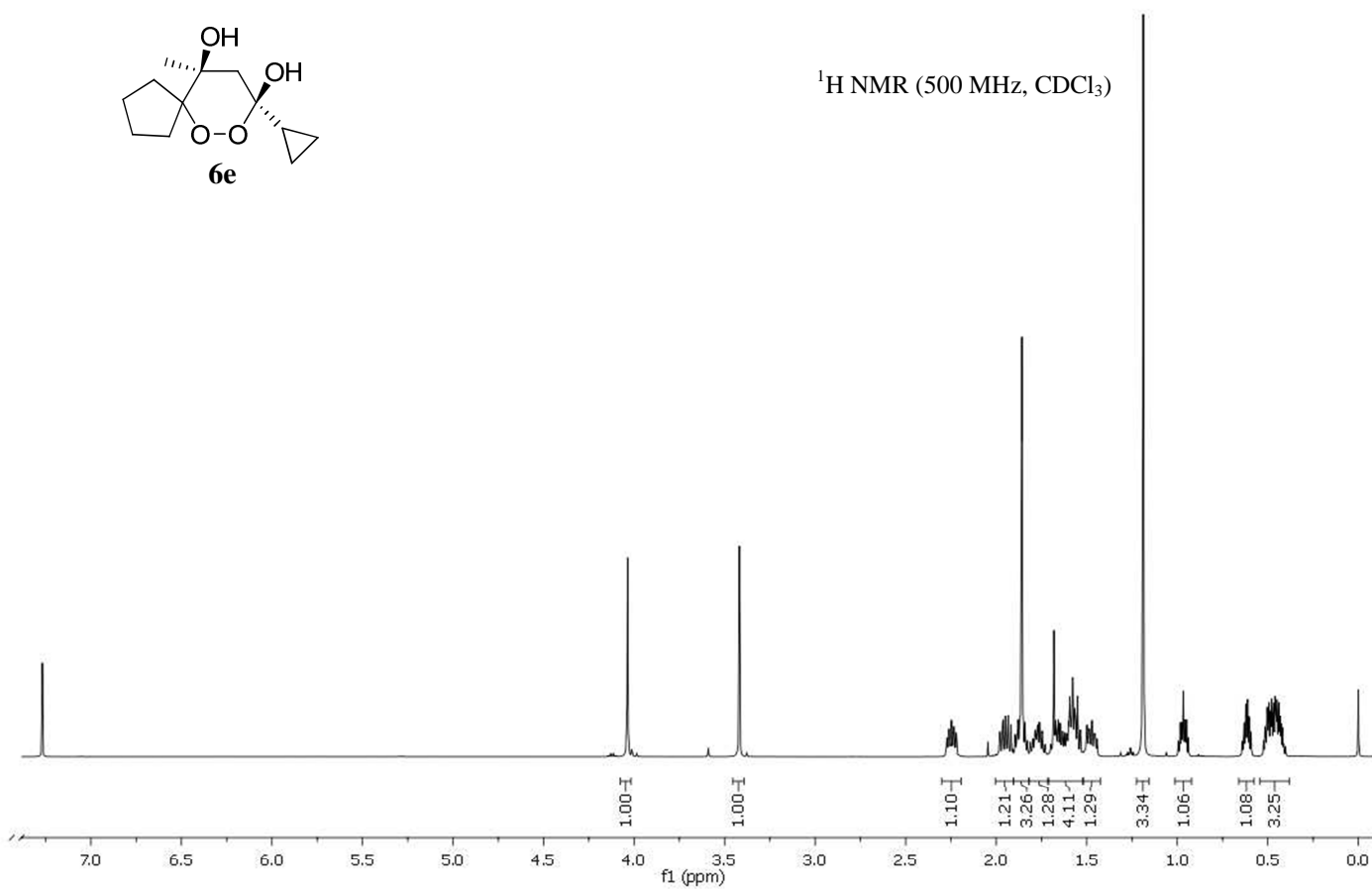
$^{13}\text{C NMR}$  (500 MHz,  $\text{CDCl}_3$ )



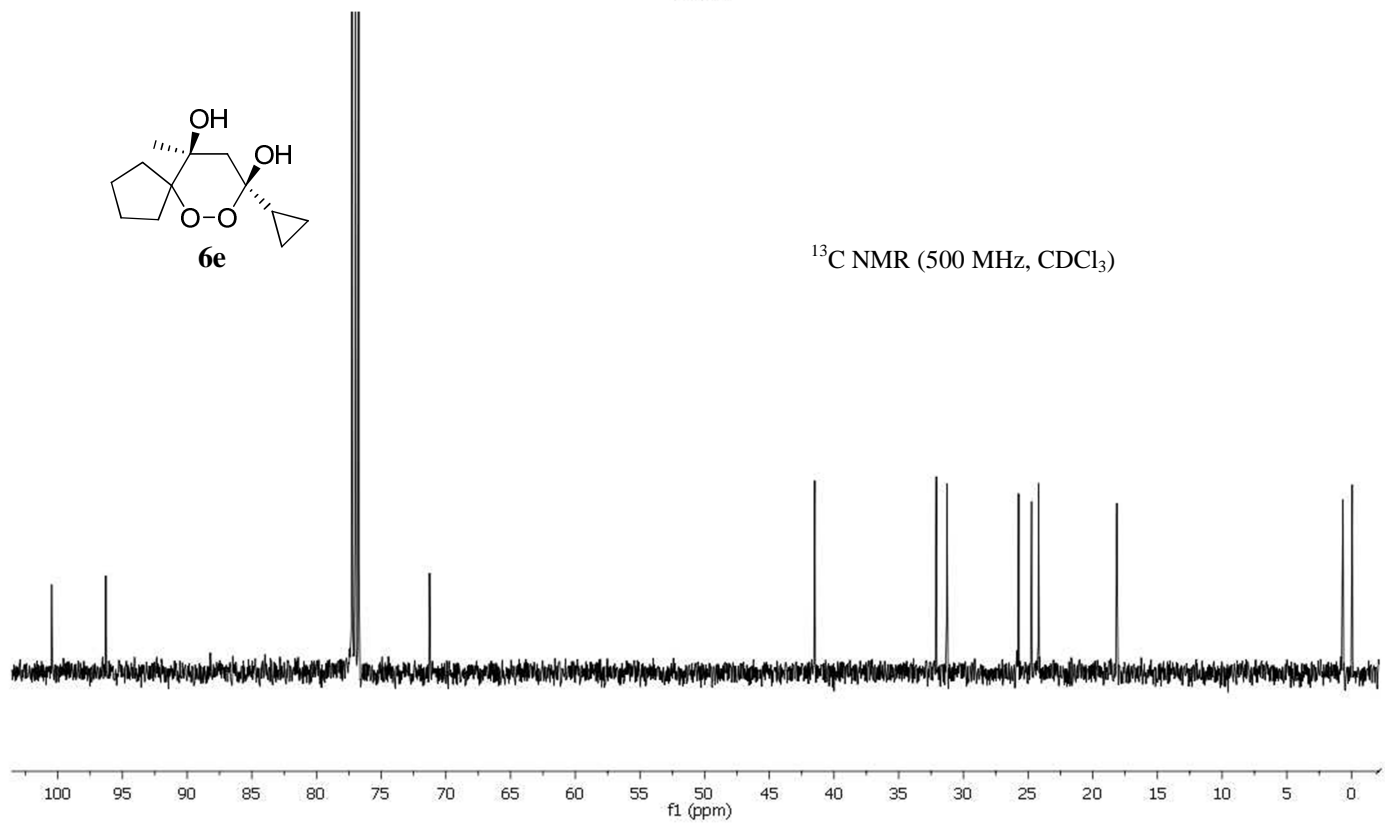


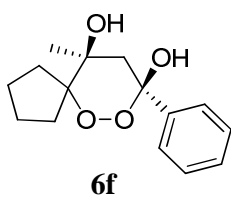


$^1\text{H}$  NMR (500 MHz,  $\text{CDCl}_3$ )

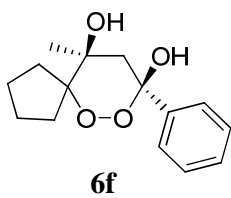
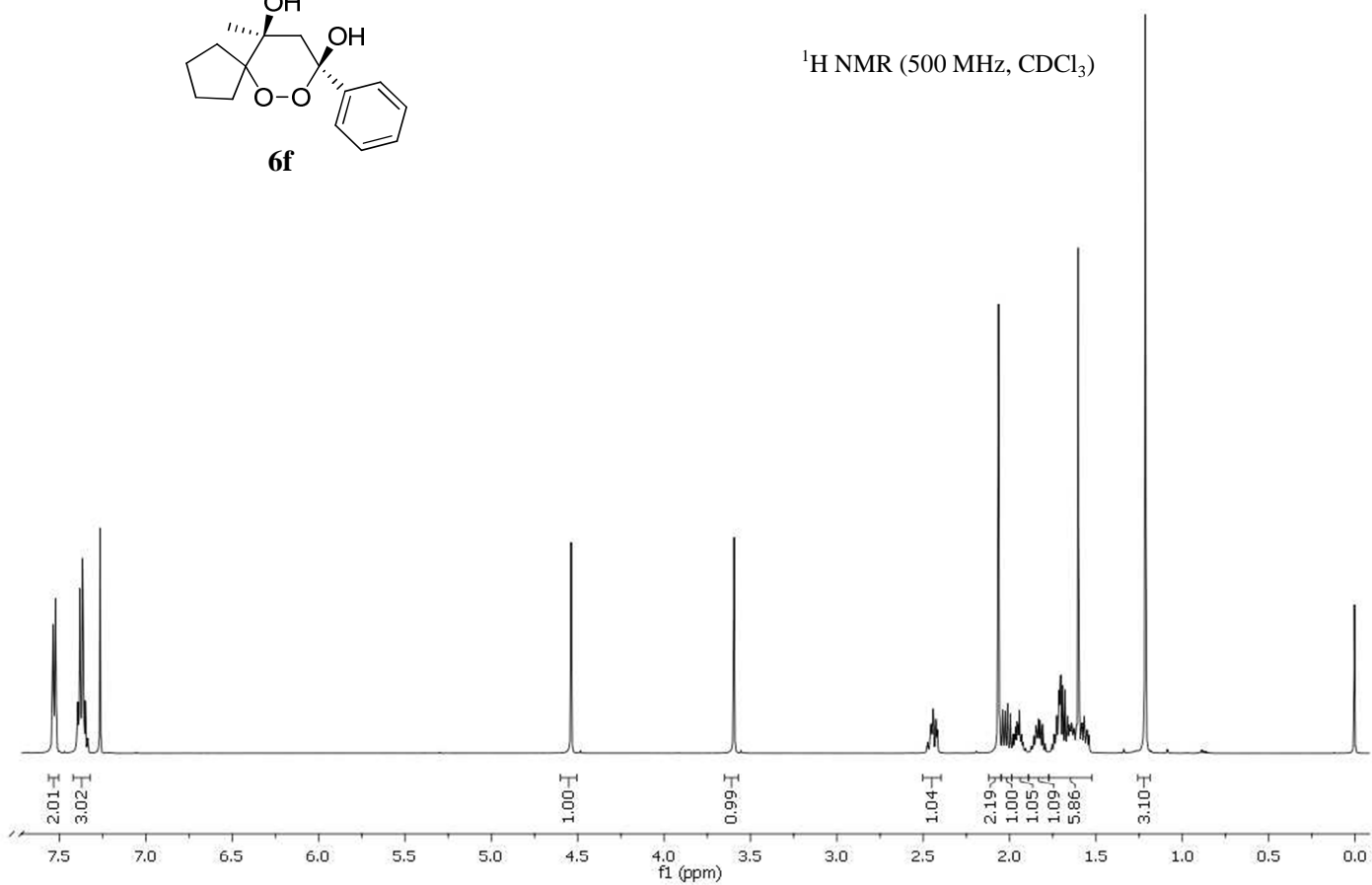


$^{13}\text{C}$  NMR (500 MHz,  $\text{CDCl}_3$ )

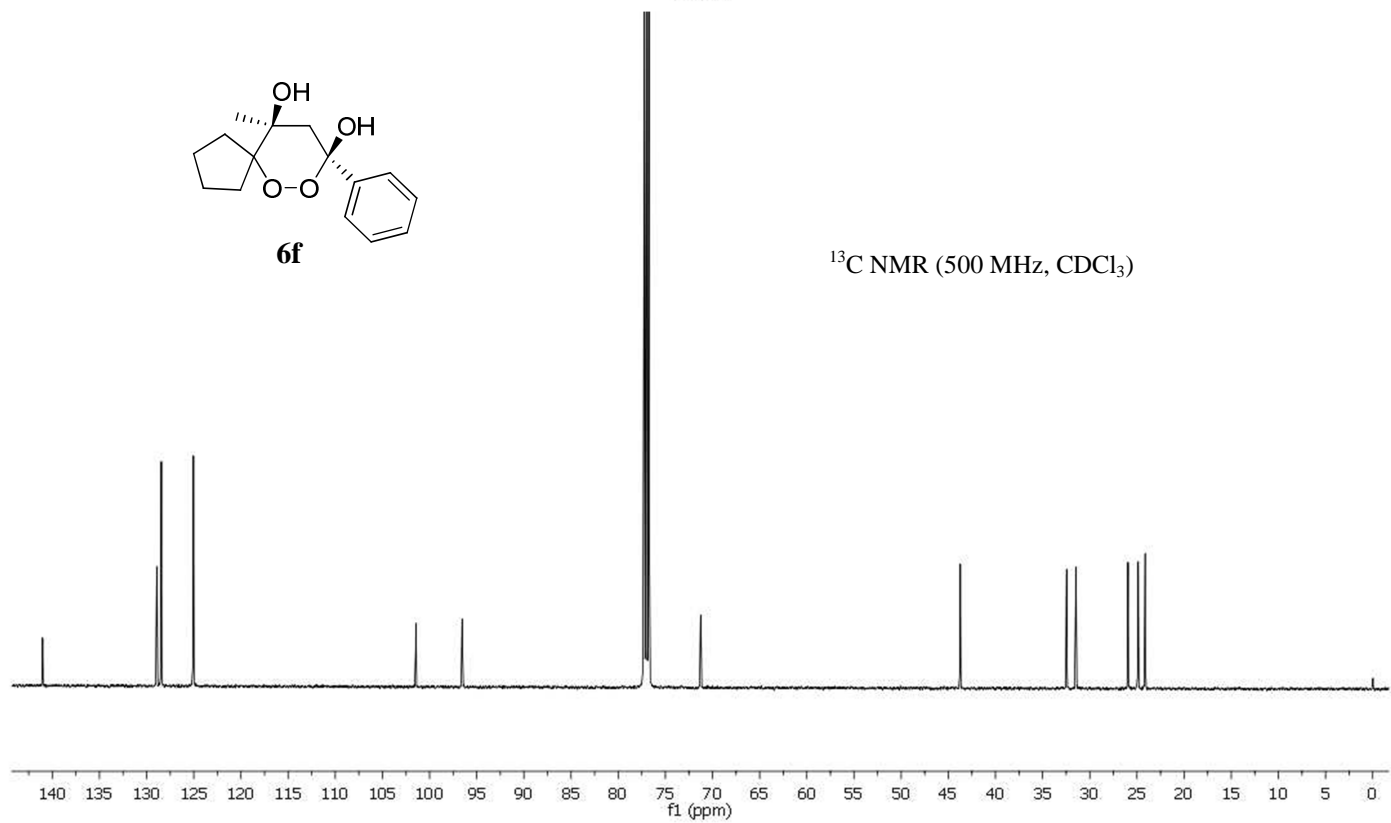


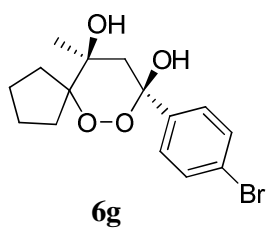


$^1\text{H NMR}$  (500 MHz,  $\text{CDCl}_3$ )

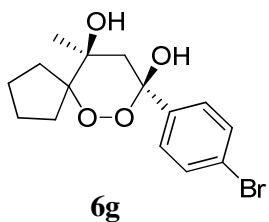
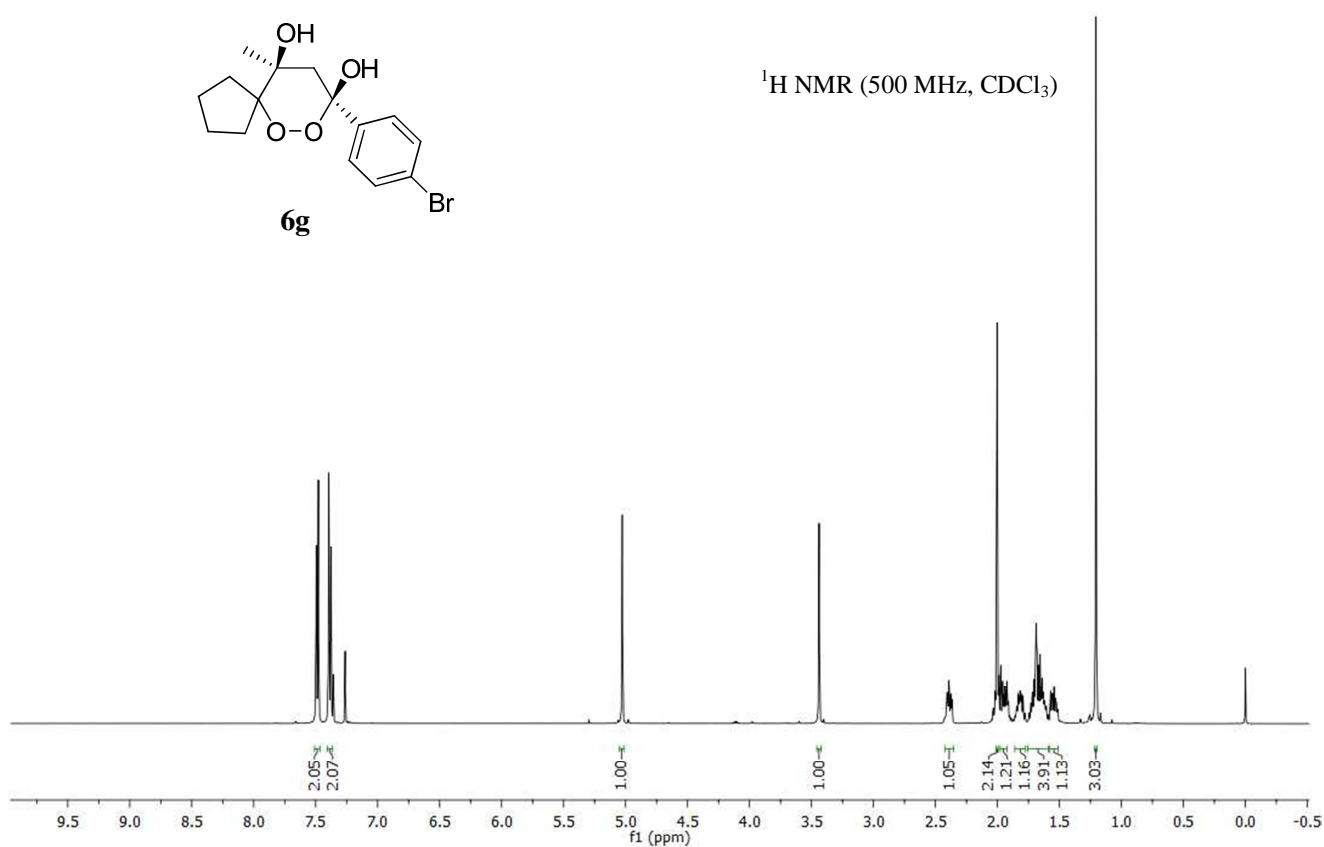


$^{13}\text{C NMR}$  (500 MHz,  $\text{CDCl}_3$ )

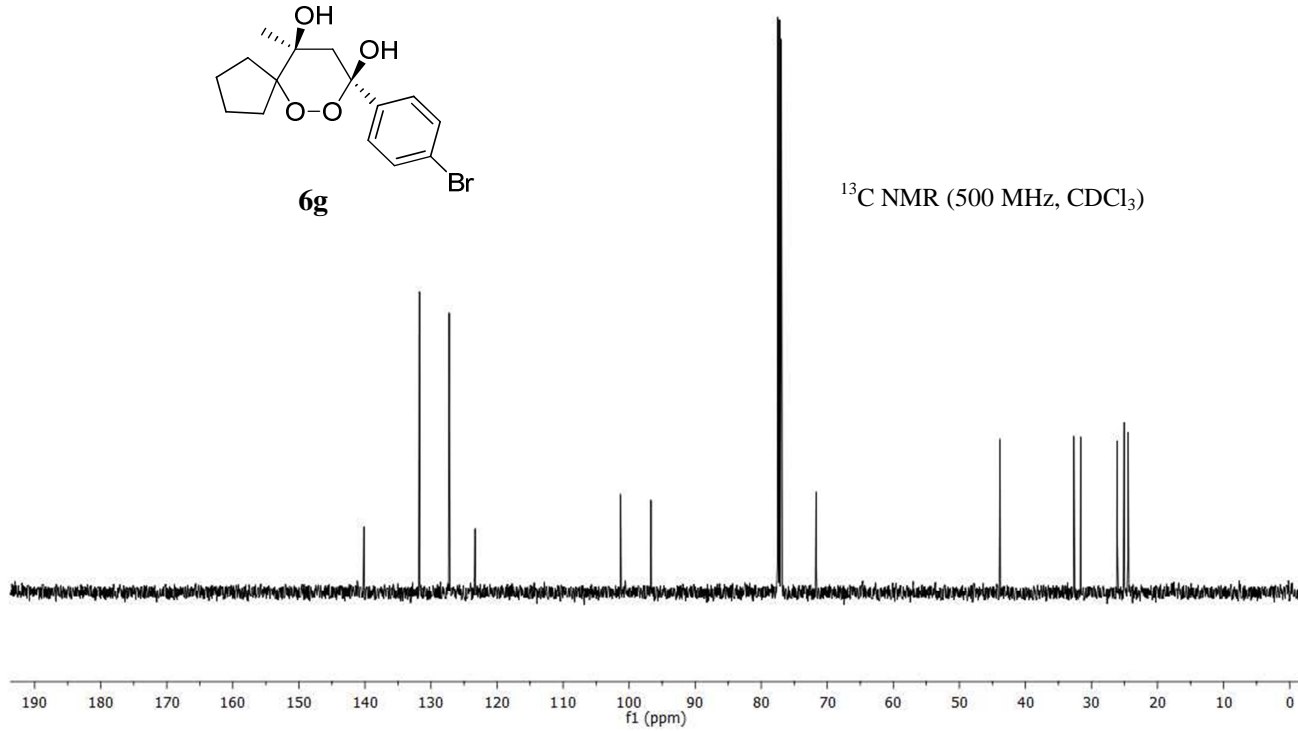


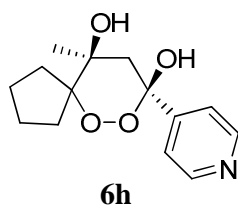


$^1\text{H NMR}$  (500 MHz,  $\text{CDCl}_3$ )

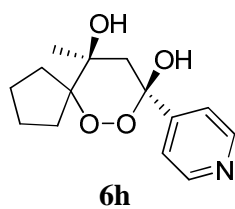
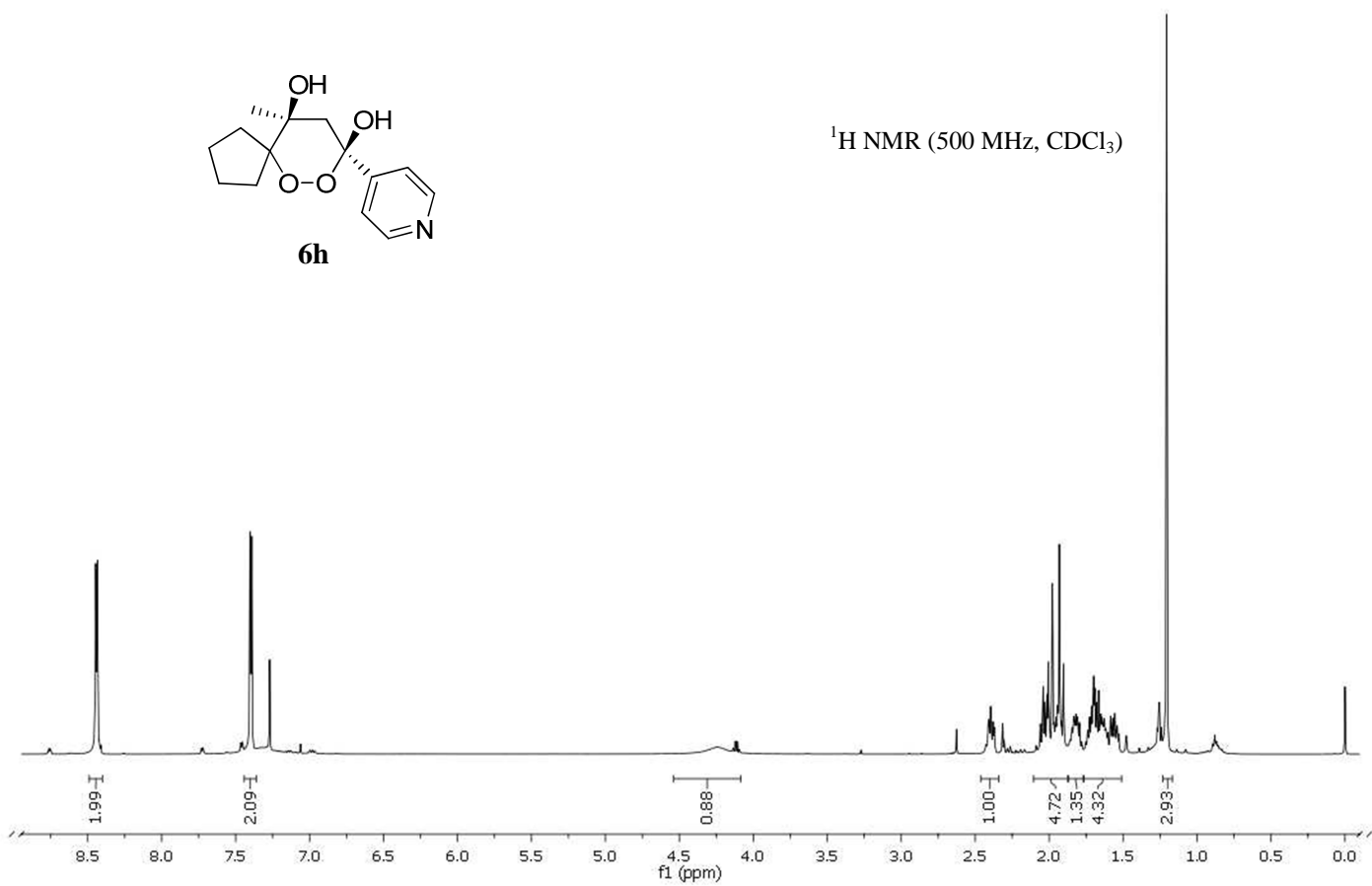


$^{13}\text{C NMR}$  (500 MHz,  $\text{CDCl}_3$ )

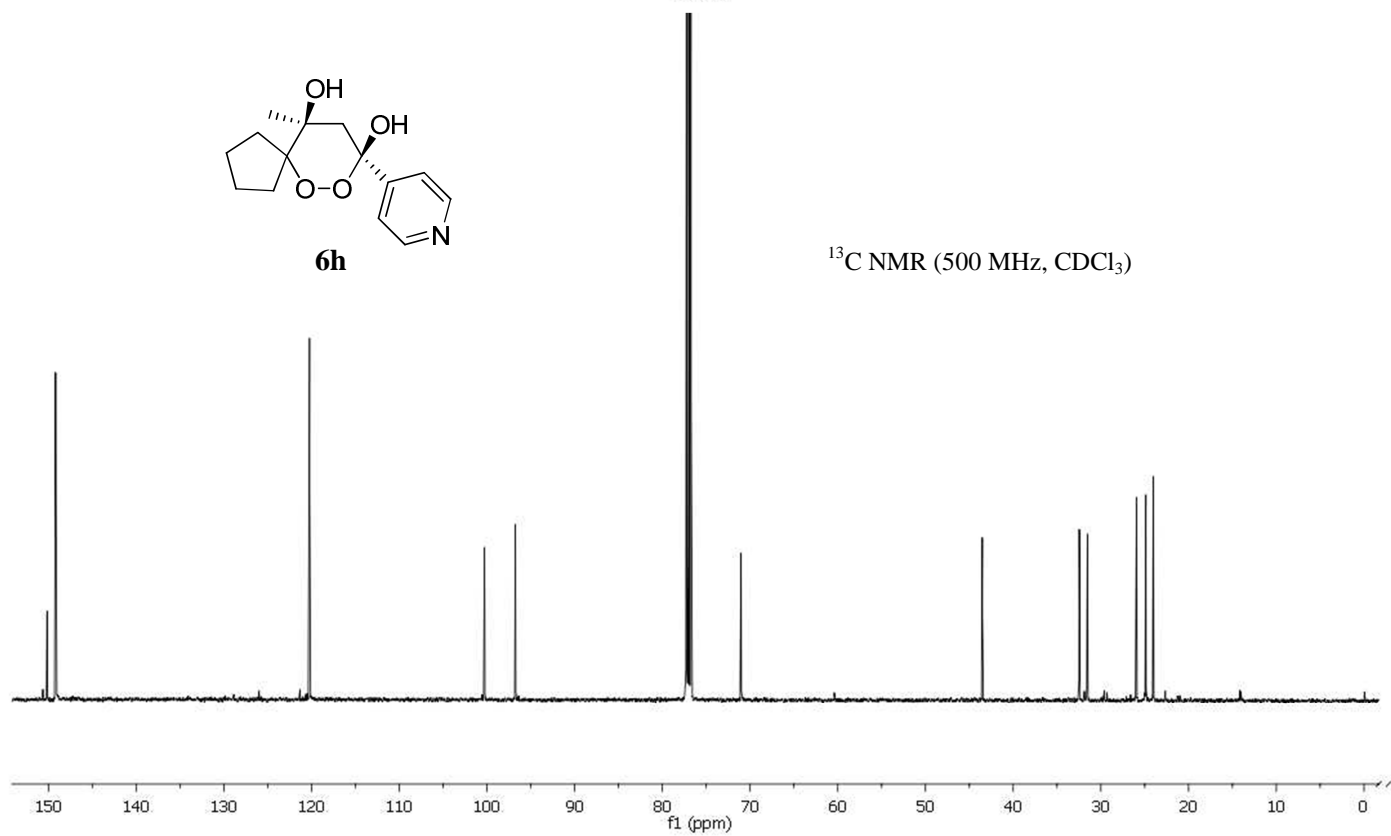


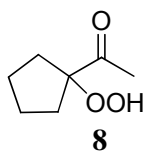


<sup>1</sup>H NMR (500 MHz, CDCl<sub>3</sub>)

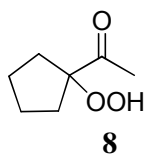
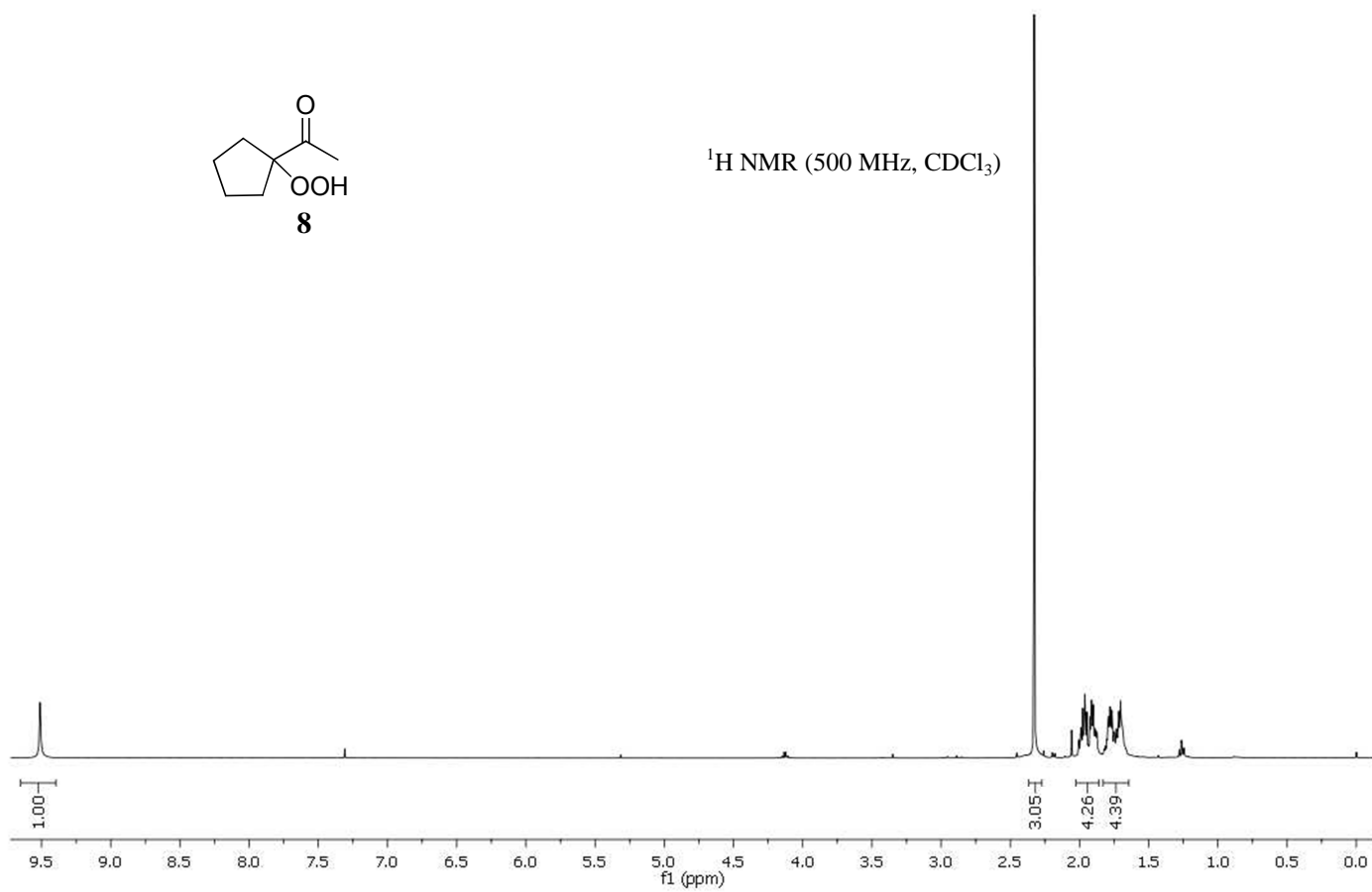


<sup>13</sup>C NMR (500 MHz, CDCl<sub>3</sub>)

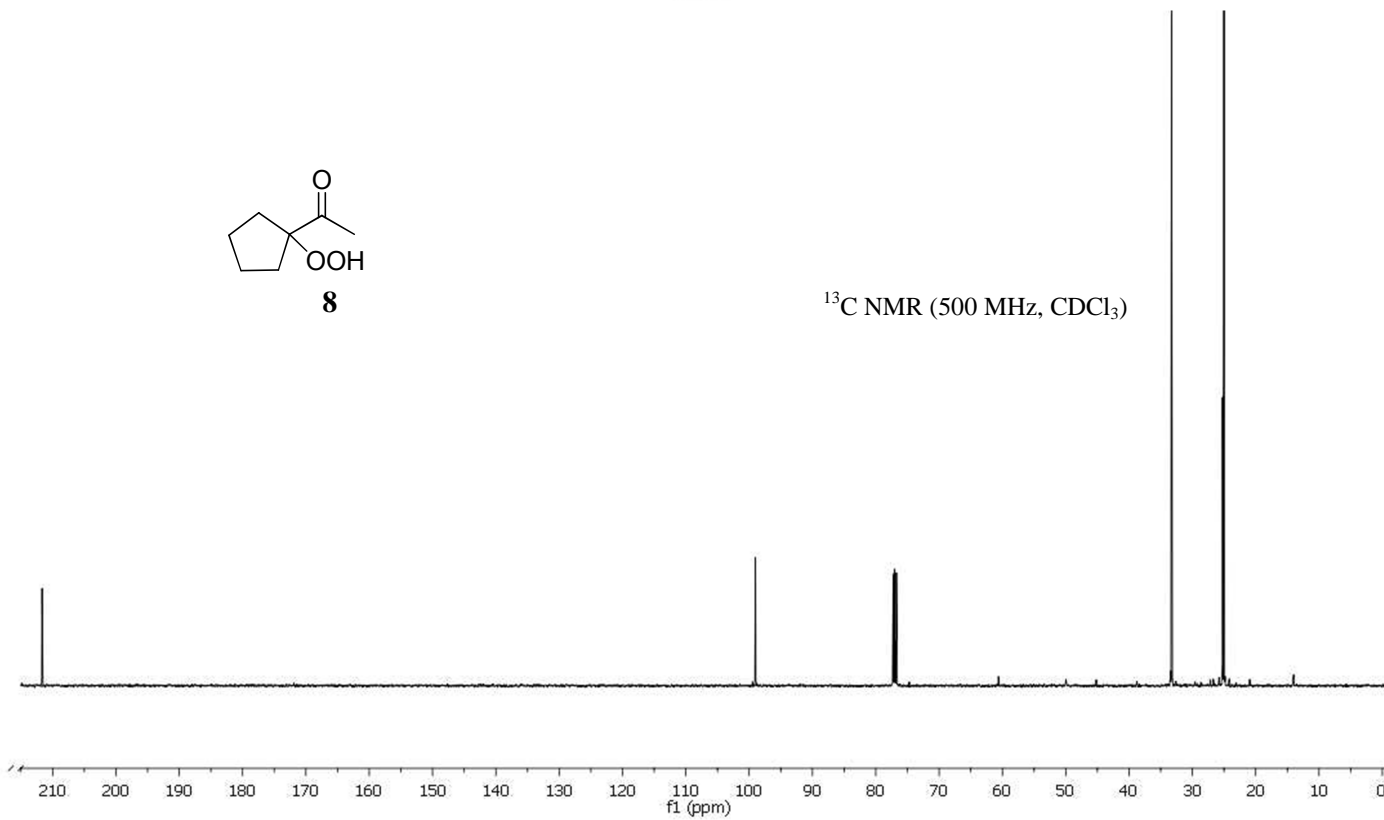


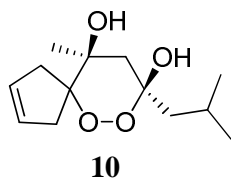


$^1\text{H}$  NMR (500 MHz,  $\text{CDCl}_3$ )

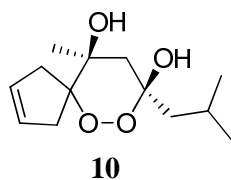
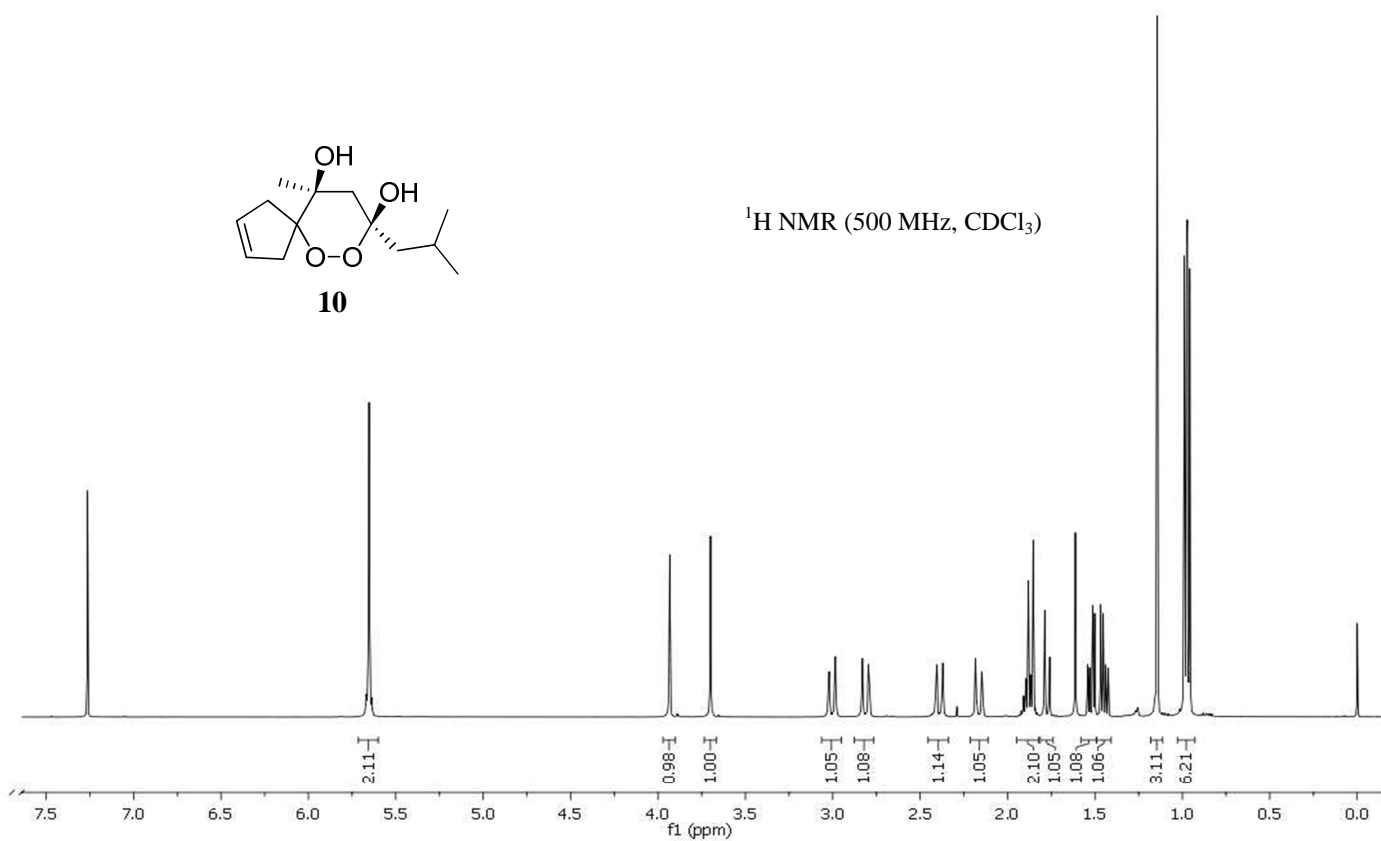


$^{13}\text{C}$  NMR (500 MHz,  $\text{CDCl}_3$ )

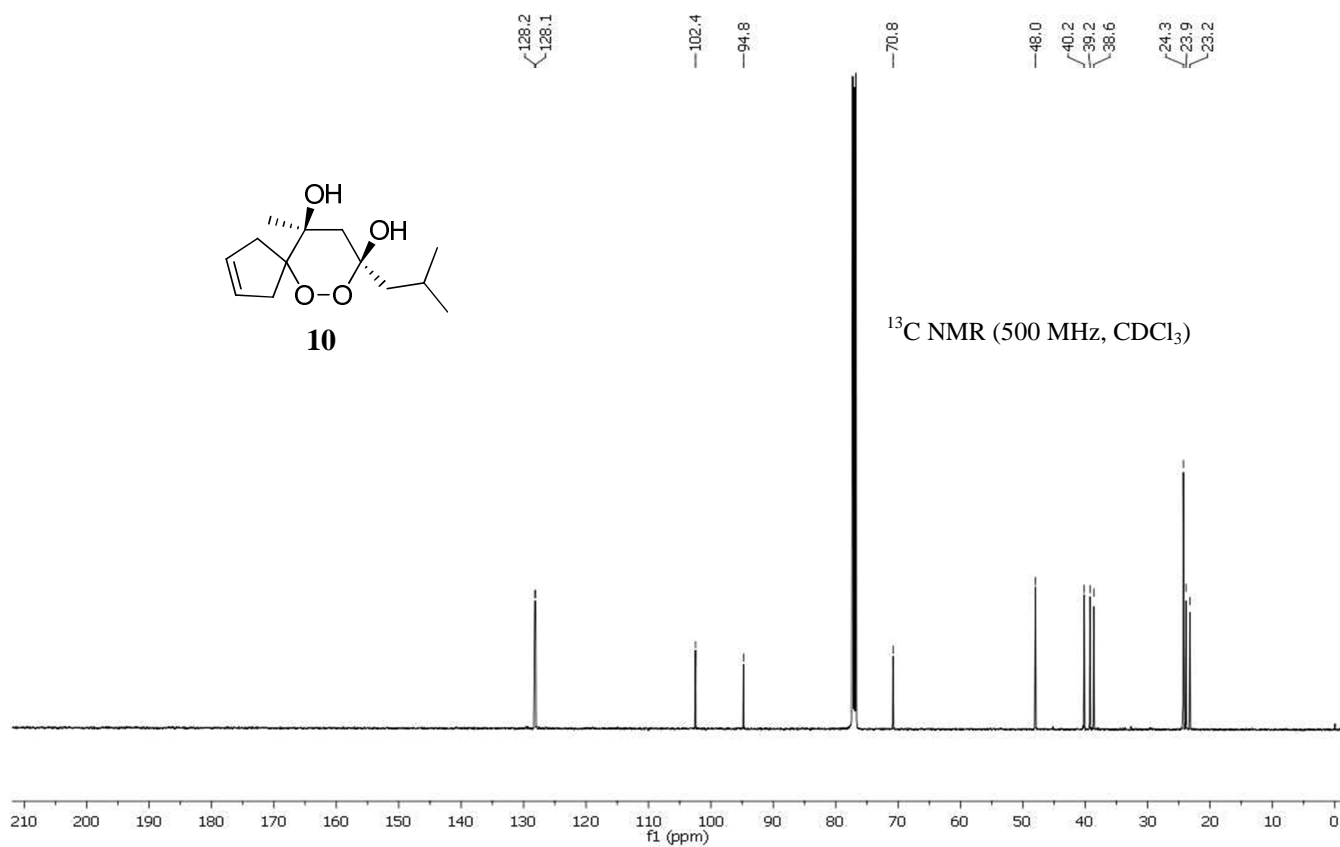


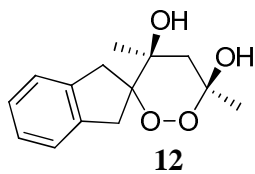


<sup>1</sup>H NMR (500 MHz, CDCl<sub>3</sub>)

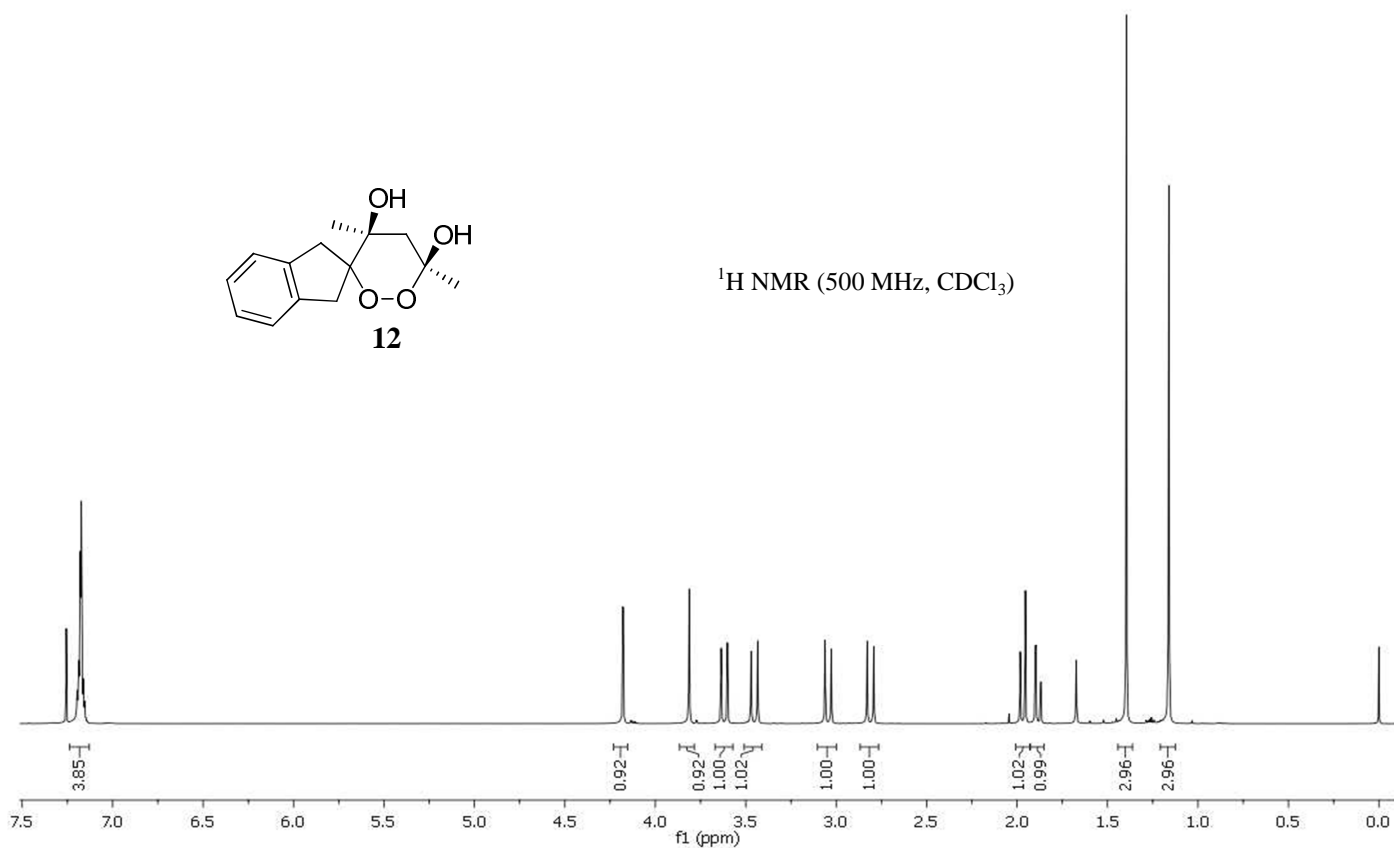


<sup>13</sup>C NMR (500 MHz, CDCl<sub>3</sub>)

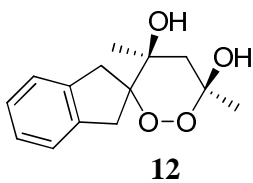




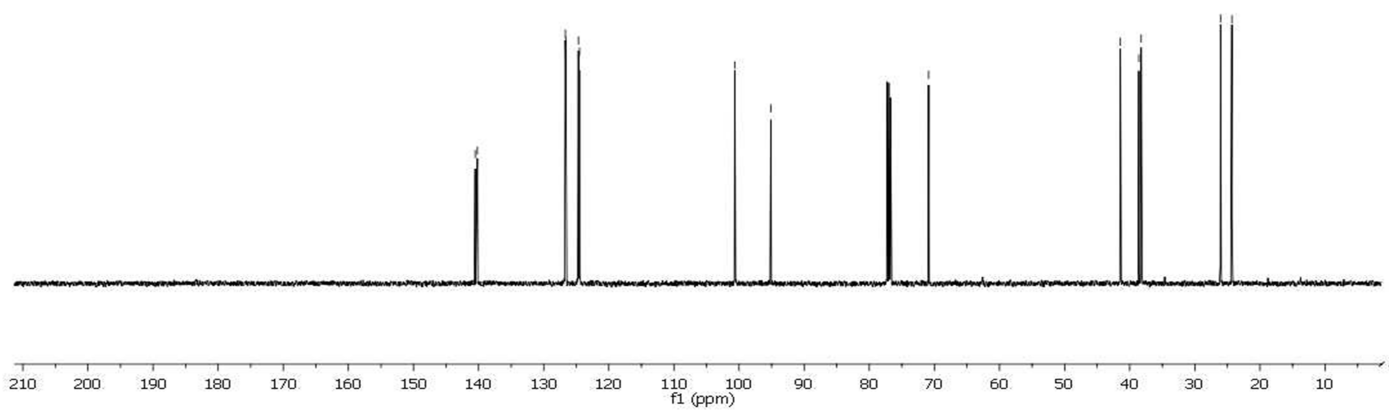
$^1\text{H NMR}$  (500 MHz,  $\text{CDCl}_3$ )

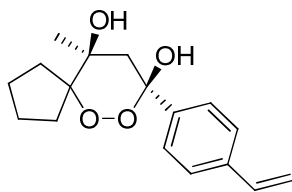


140.5, 140.2, 126.7, 126.6, 124.7, 124.5, -100.7, -95.1, -70.9, 41.4, 38.6, 38.2, 26.1, 24.3



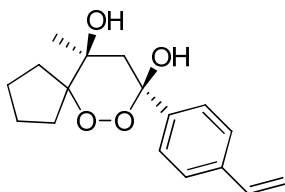
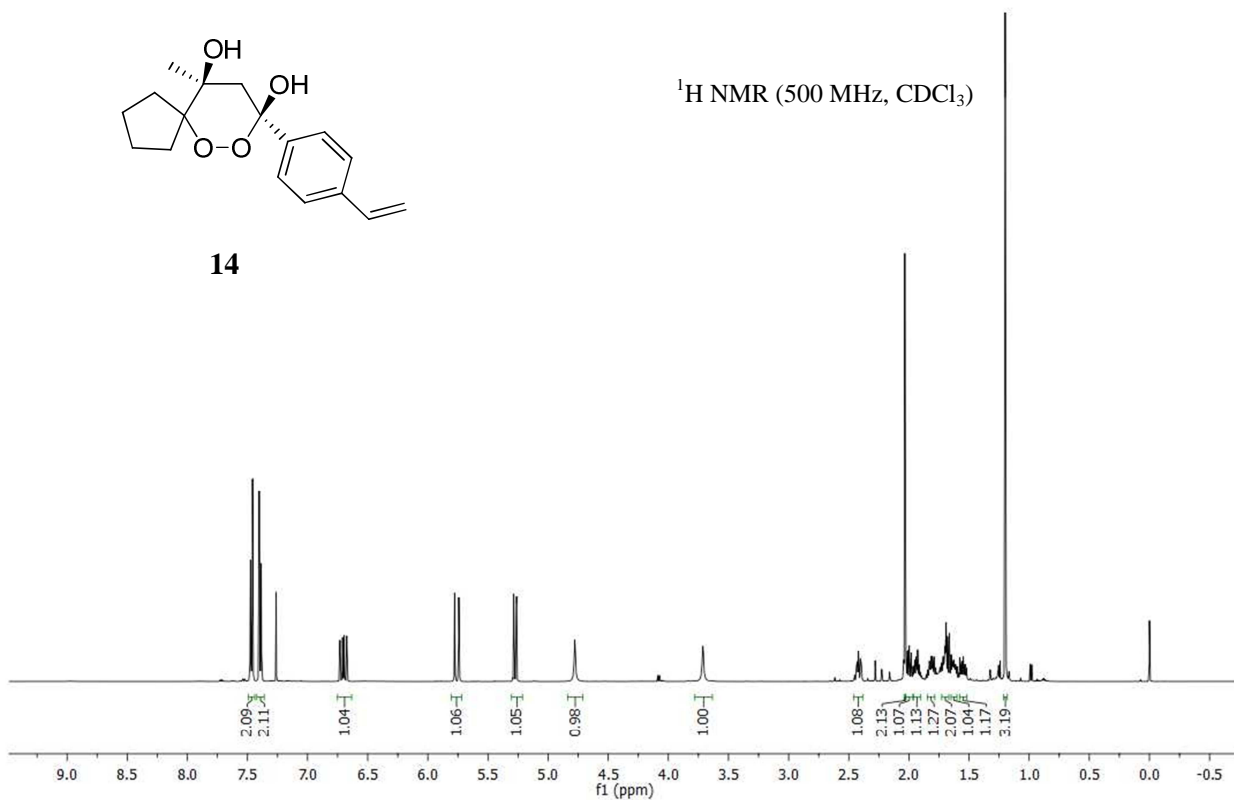
$^{13}\text{C NMR}$  (500 MHz,  $\text{CDCl}_3$ )





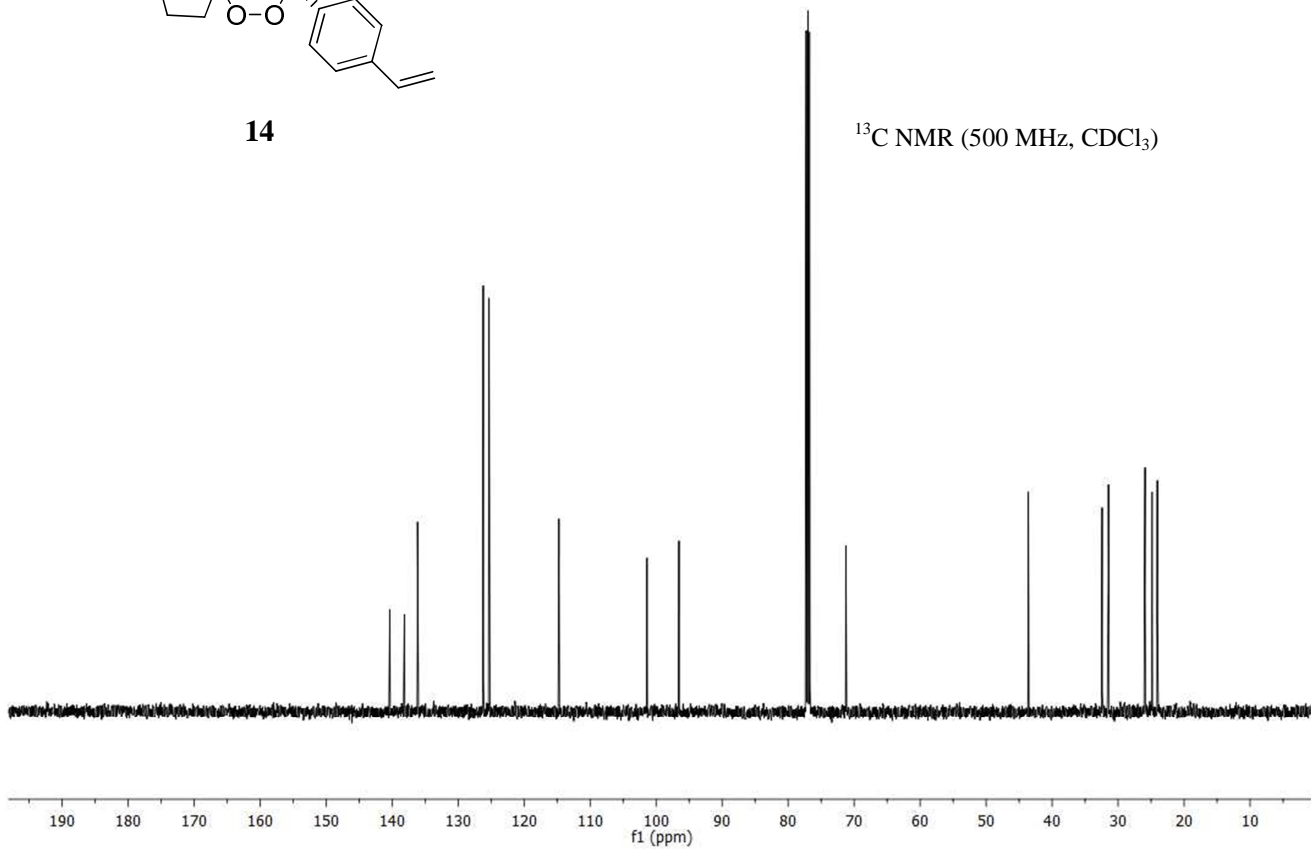
**14**

$^1\text{H NMR}$  (500 MHz,  $\text{CDCl}_3$ )

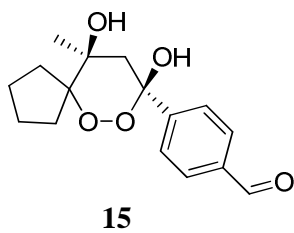


**14**

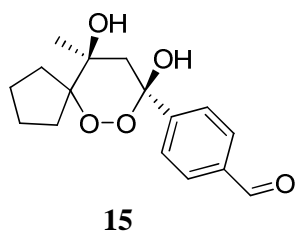
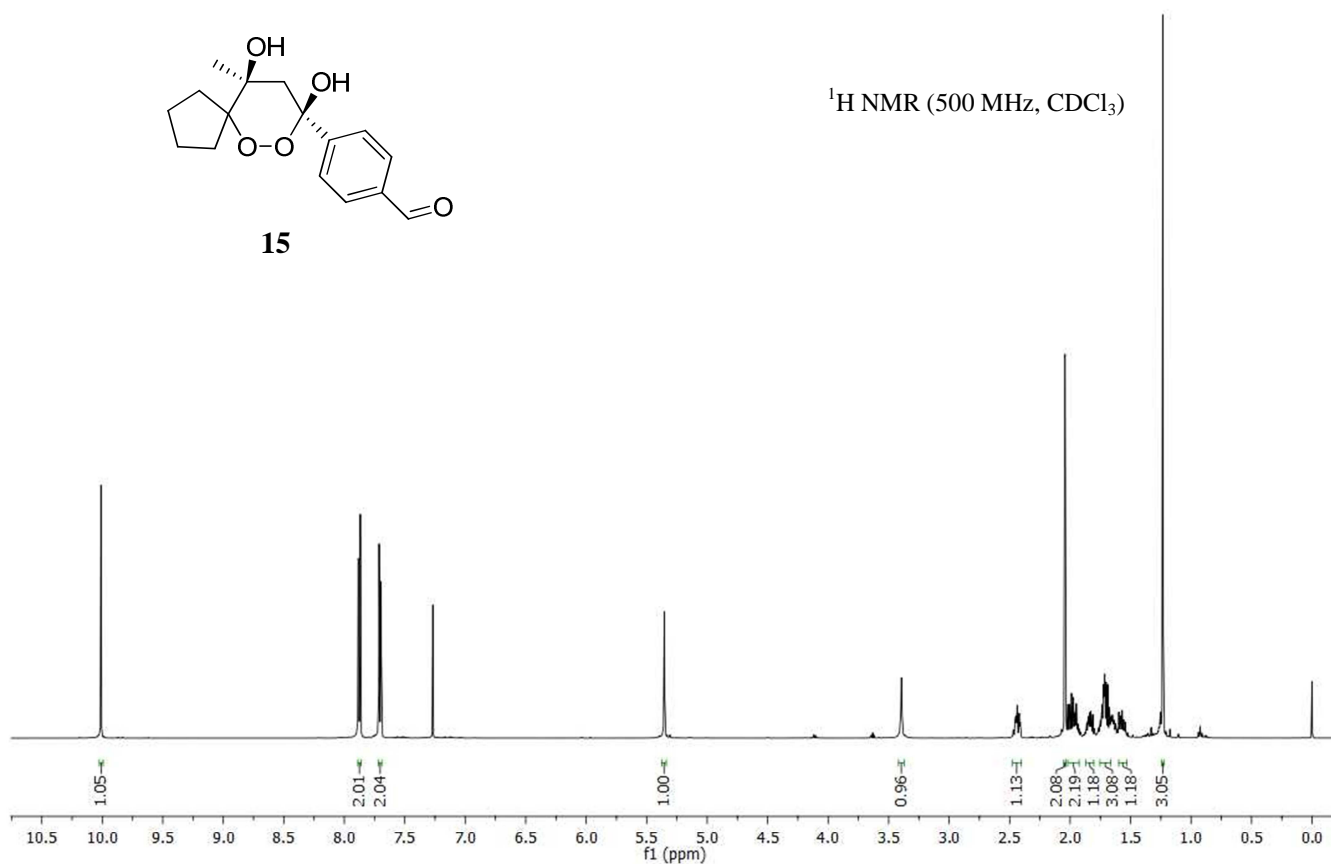
$^{13}\text{C NMR}$  (500 MHz,  $\text{CDCl}_3$ )



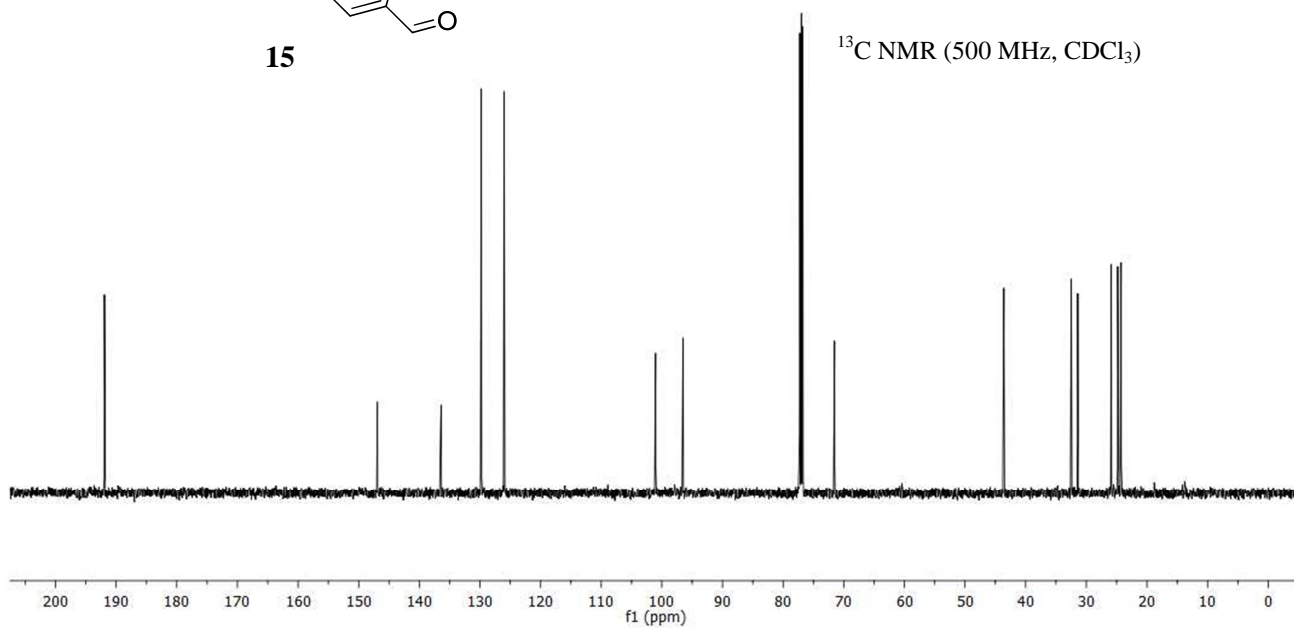


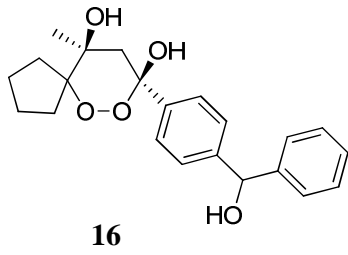


<sup>1</sup>H NMR (500 MHz, CDCl<sub>3</sub>)

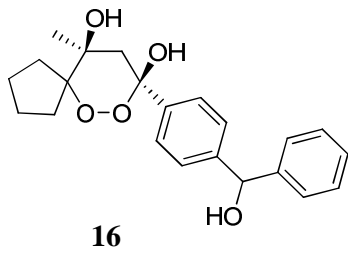
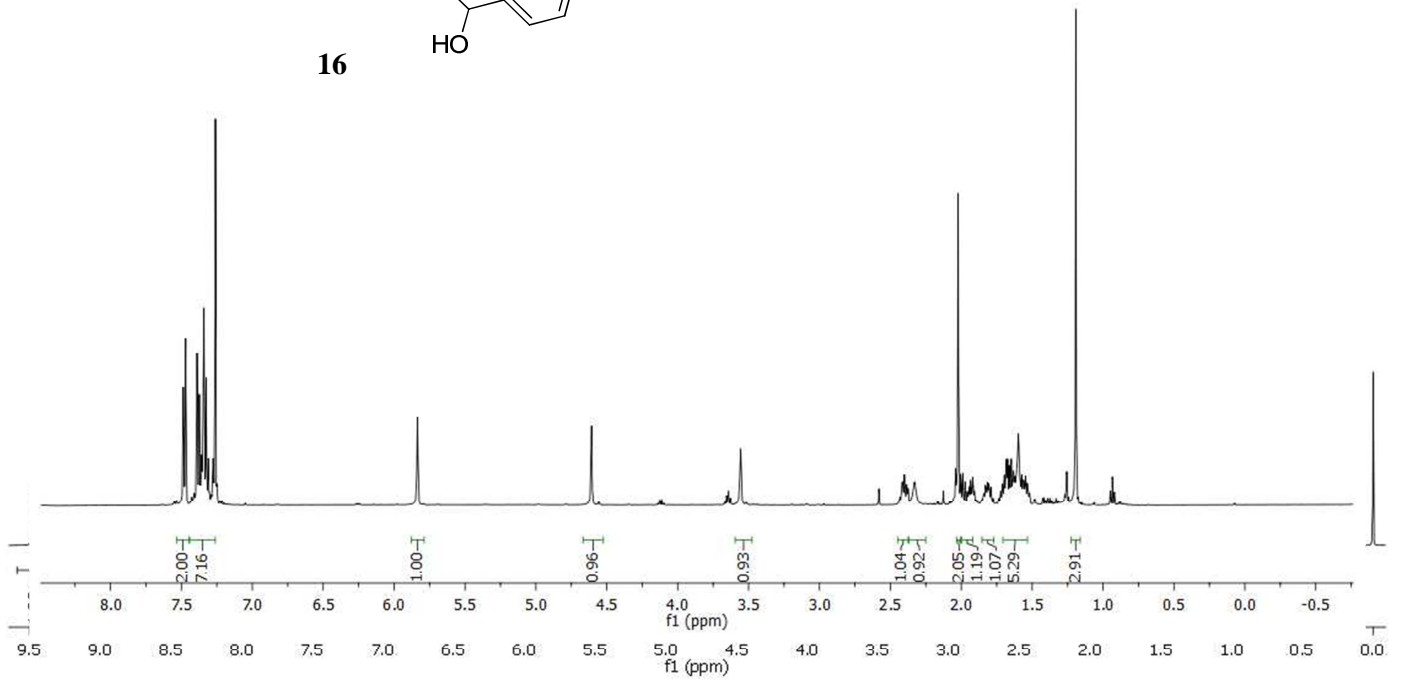


<sup>13</sup>C NMR (500 MHz, CDCl<sub>3</sub>)





$^1\text{H NMR}$  (500 MHz,  $\text{CDCl}_3$ )



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

