

Supplementary Information for

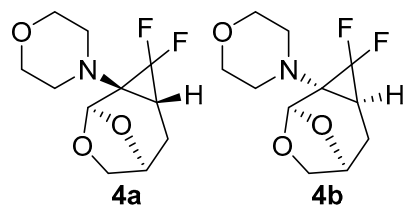
# **Fluorination-homologation of the biomass derivative Cyrene**

**Johannes Puschnig<sup>1</sup> and Ben W. Greatrex<sup>1,\*</sup>**

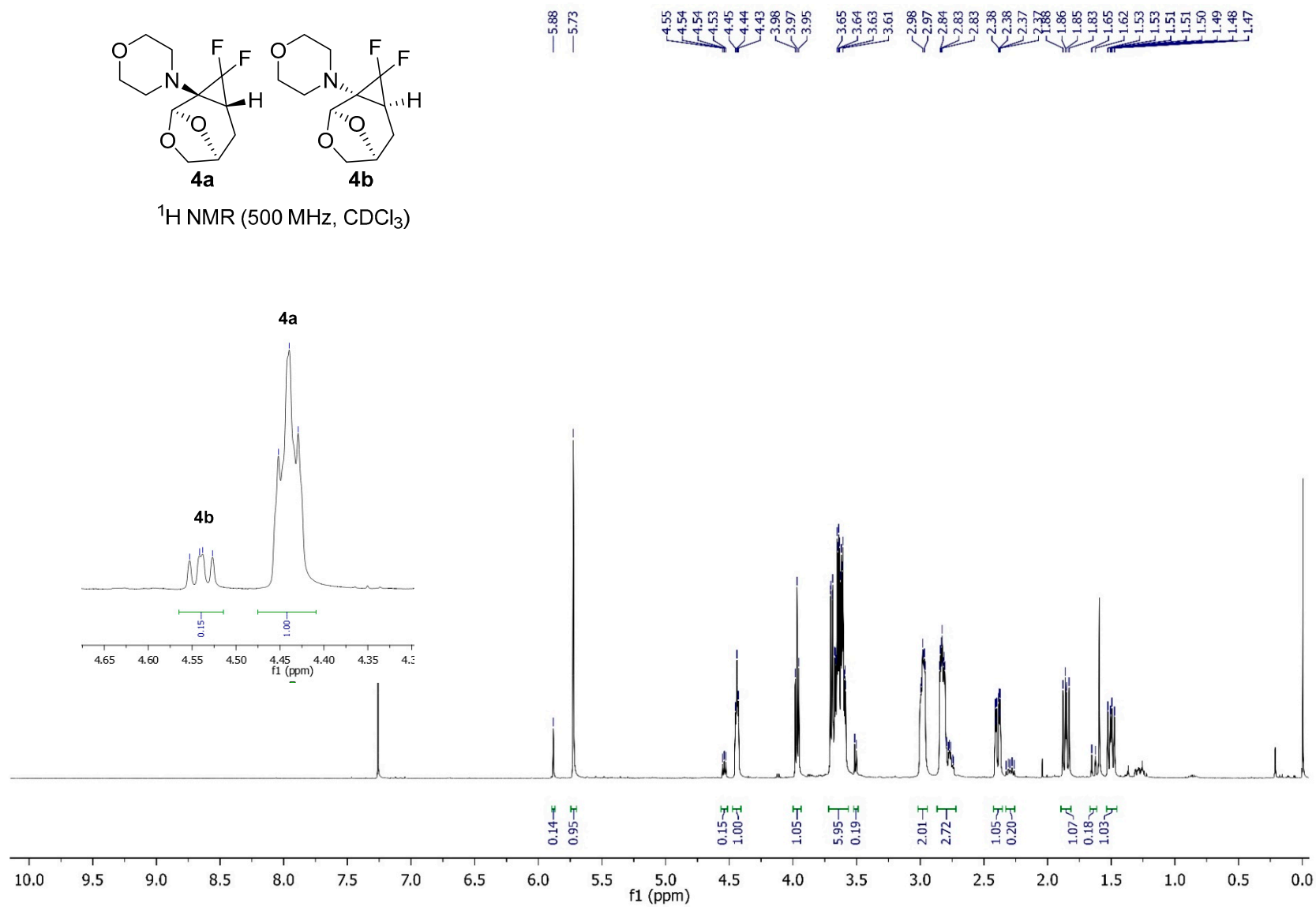
<sup>1</sup>Faculty of Medicine and Health, University of New England, Armidale, NSW 2351

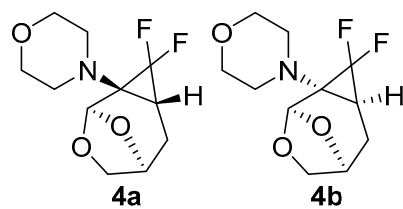
\*correspondence: [ben.greatrex@une.edu.au](mailto:ben.greatrex@une.edu.au)

$^1\text{H}$ ,  $^{13}\text{C}$  and  $^{19}\text{F}$  NMR images for all new compounds described in the article

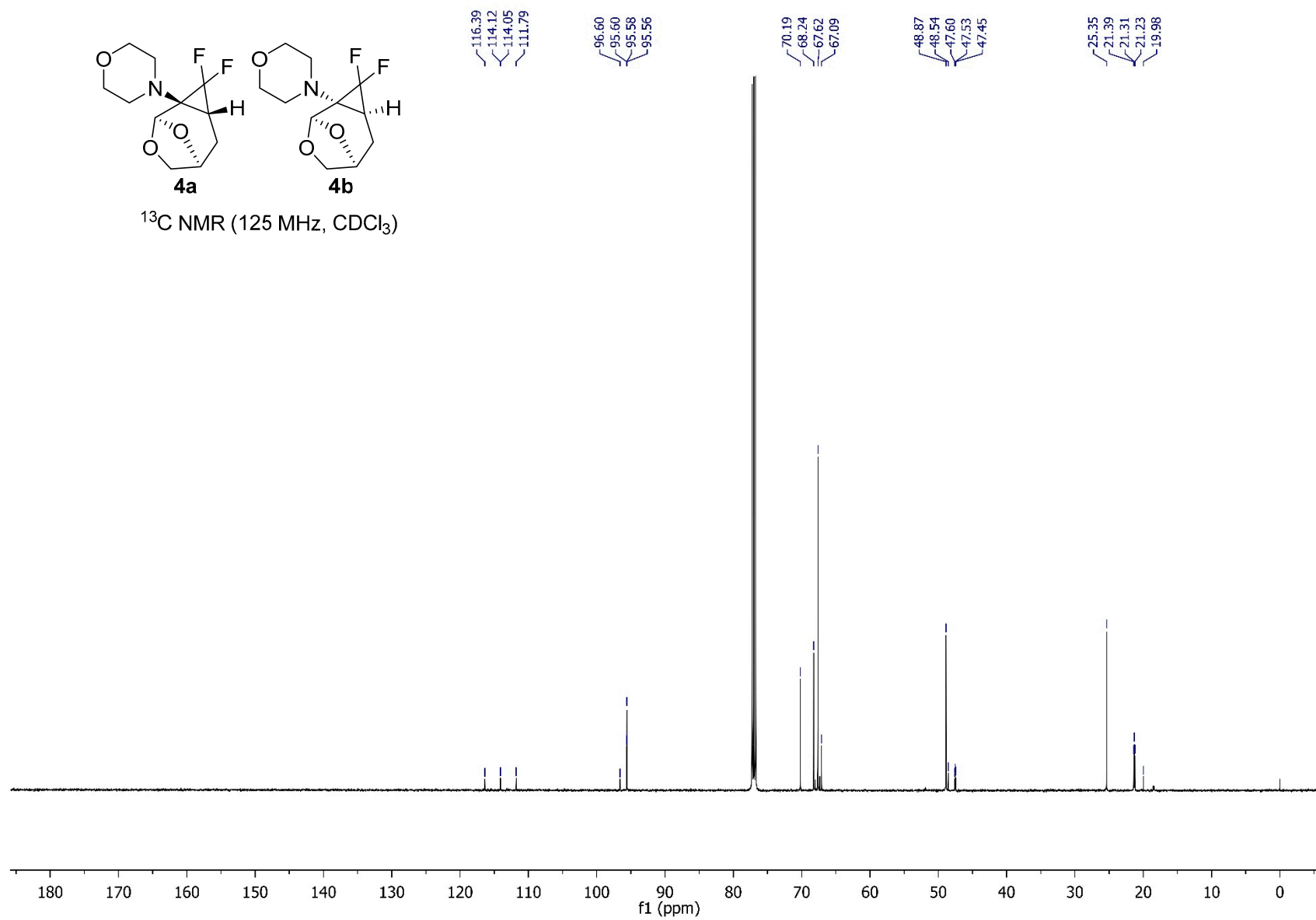


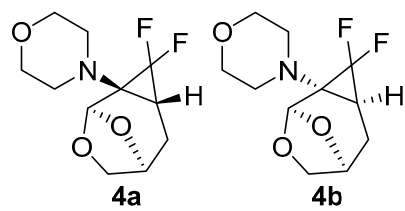
$^1\text{H}$  NMR (500 MHz,  $\text{CDCl}_3$ )



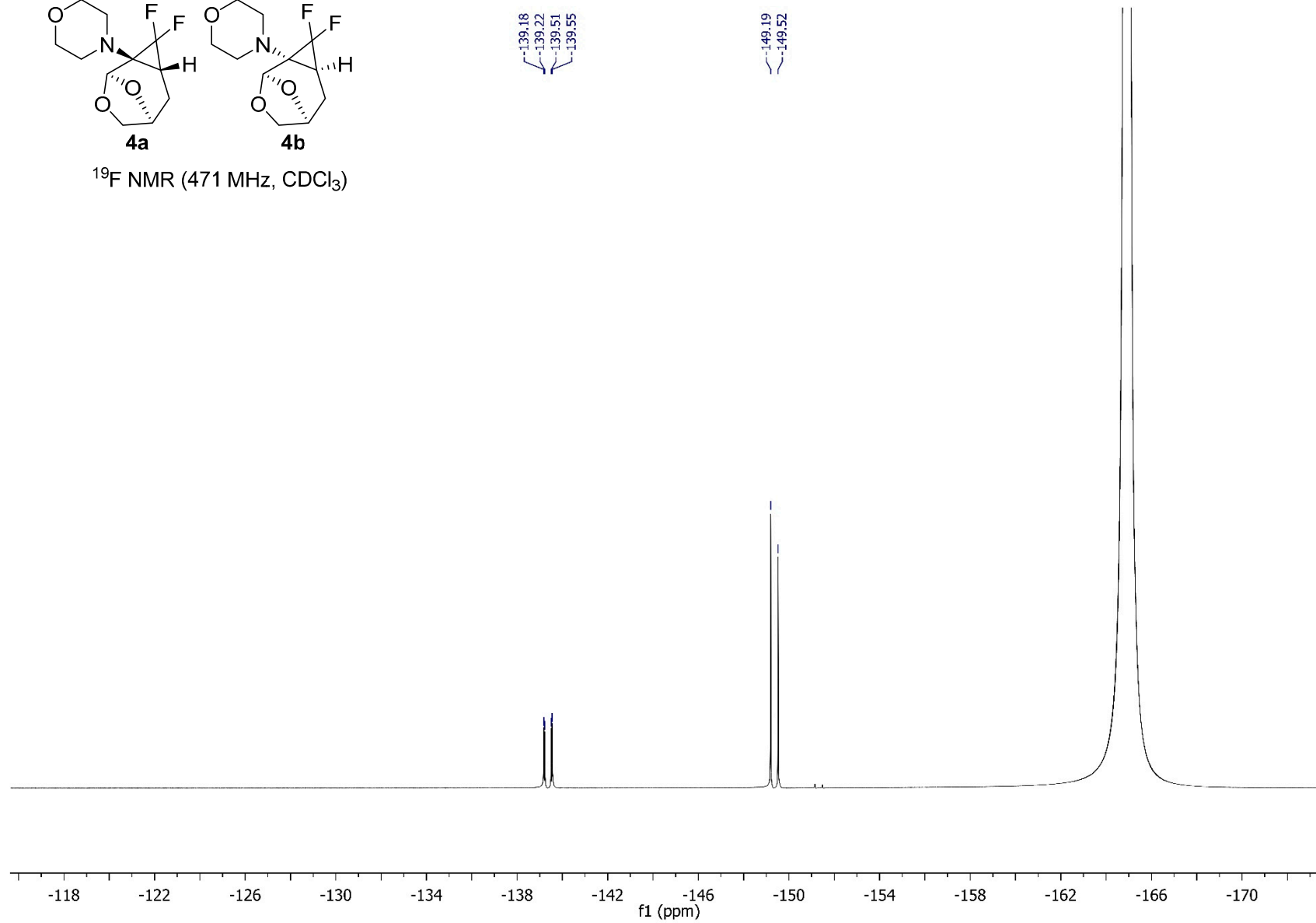


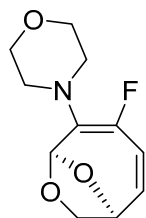
$^{13}\text{C}$  NMR (125 MHz,  $\text{CDCl}_3$ )





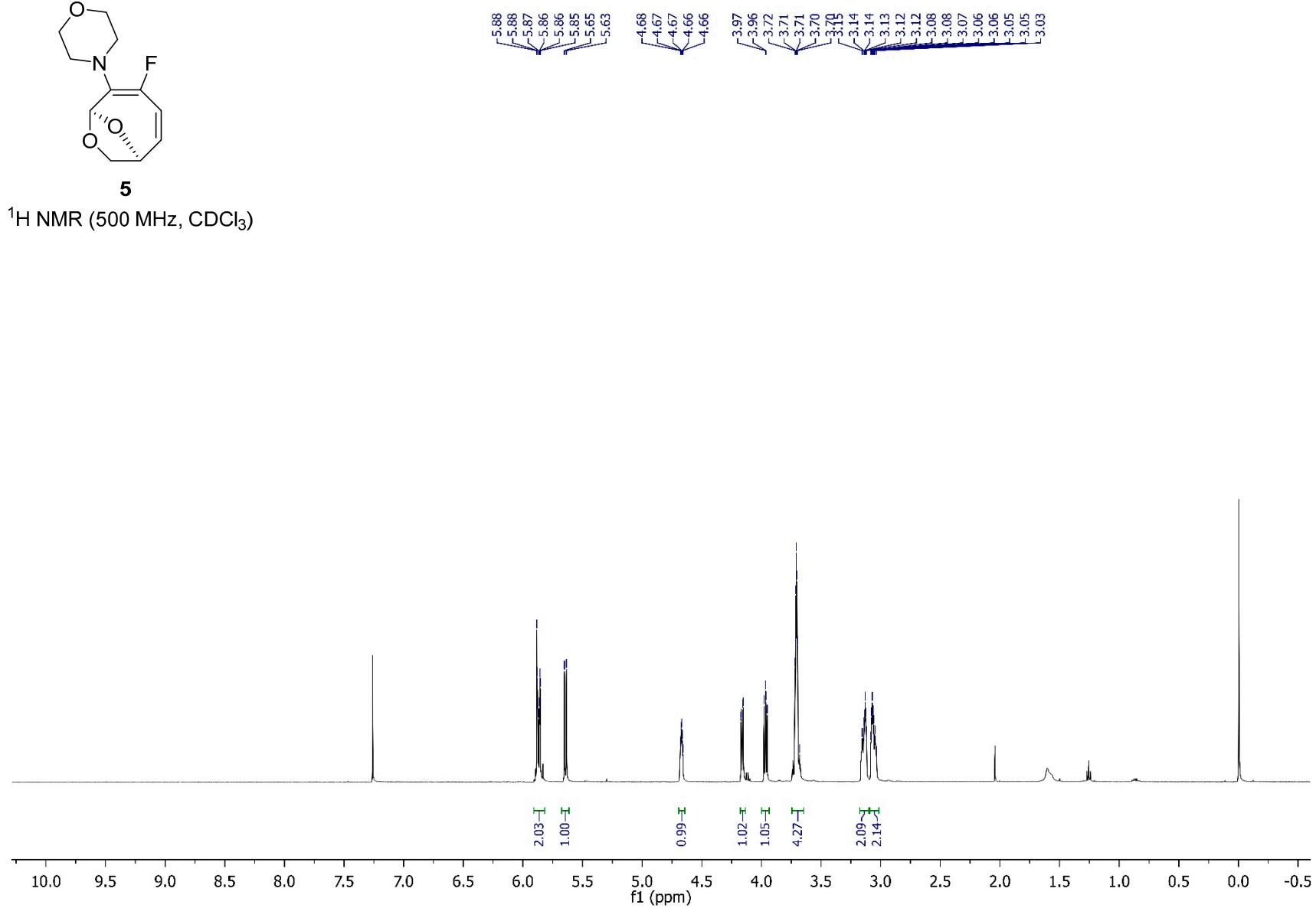
$^{19}\text{F}$  NMR (471 MHz,  $\text{CDCl}_3$ )

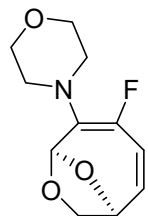




**5**

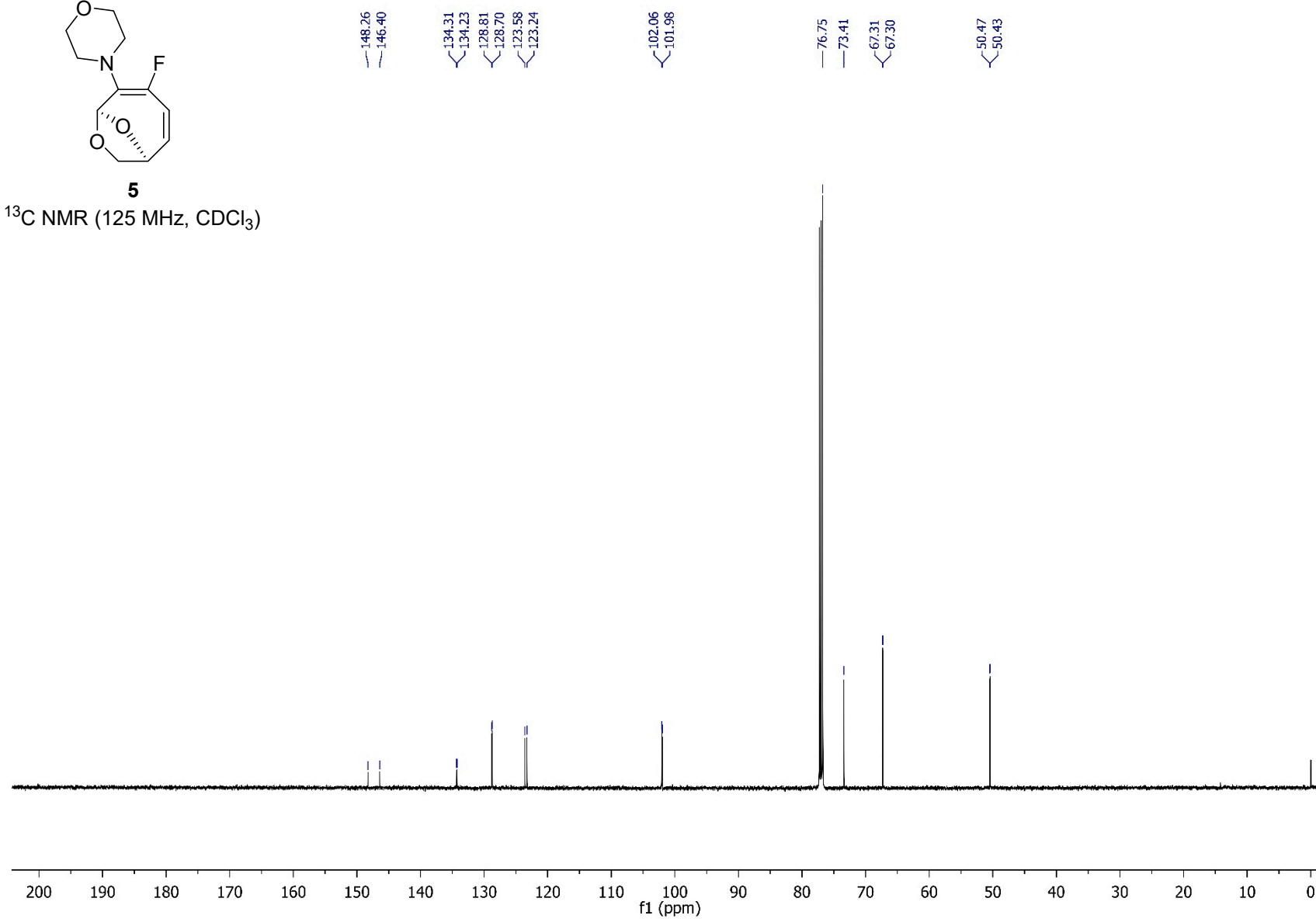
$^1\text{H}$  NMR (500 MHz,  $\text{CDCl}_3$ )

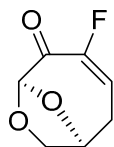




**5**

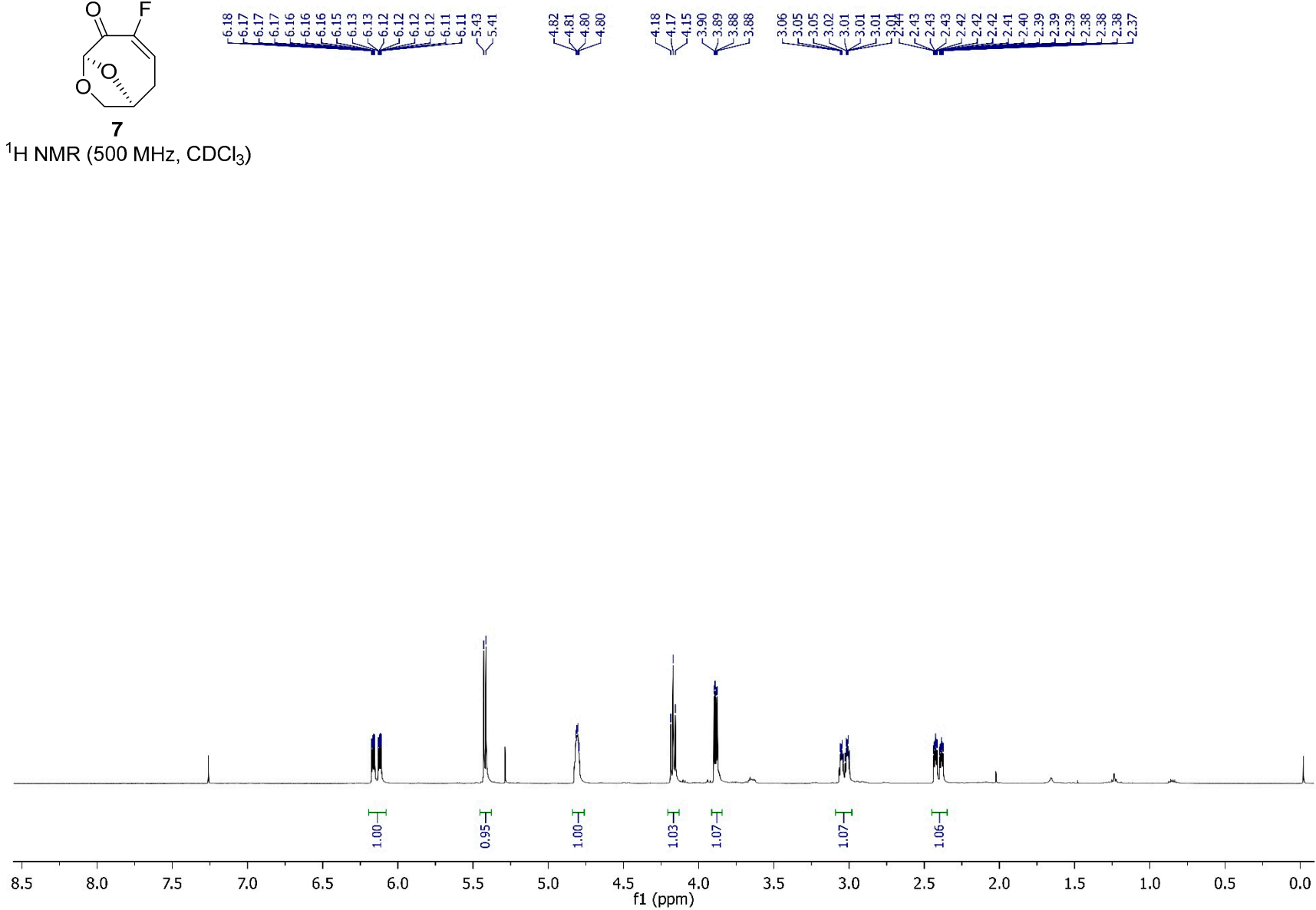
$^{13}\text{C}$  NMR (125 MHz,  $\text{CDCl}_3$ )

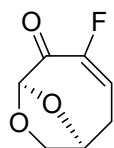




**7**

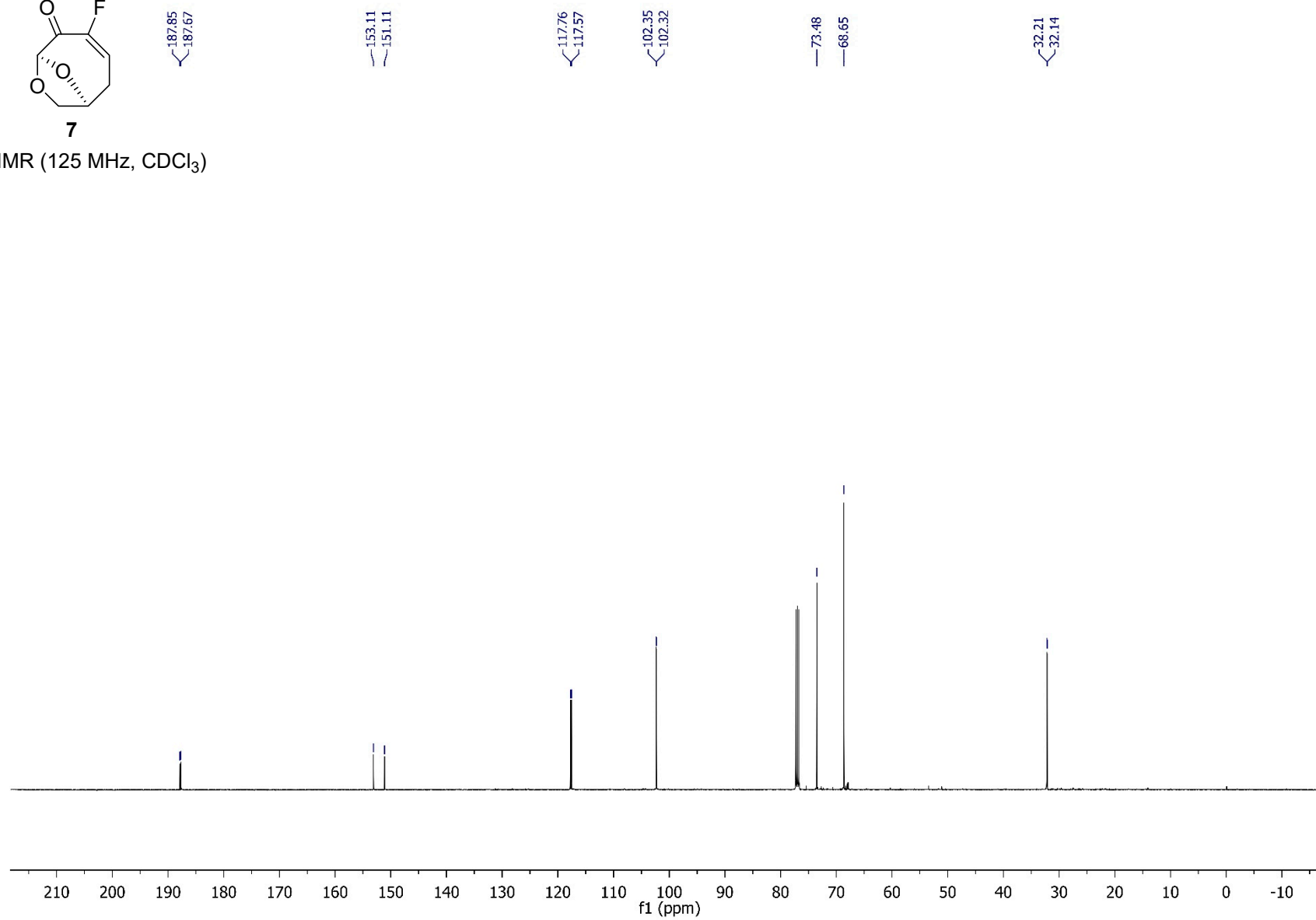
$^1\text{H}$  NMR (500 MHz,  $\text{CDCl}_3$ )



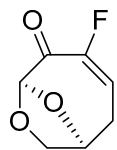


**7**

$^{13}\text{C}$  NMR (125 MHz,  $\text{CDCl}_3$ )







**7**

$^{19}\text{F}$  NMR (471 MHz,  $\text{CDCl}_3$ )

