

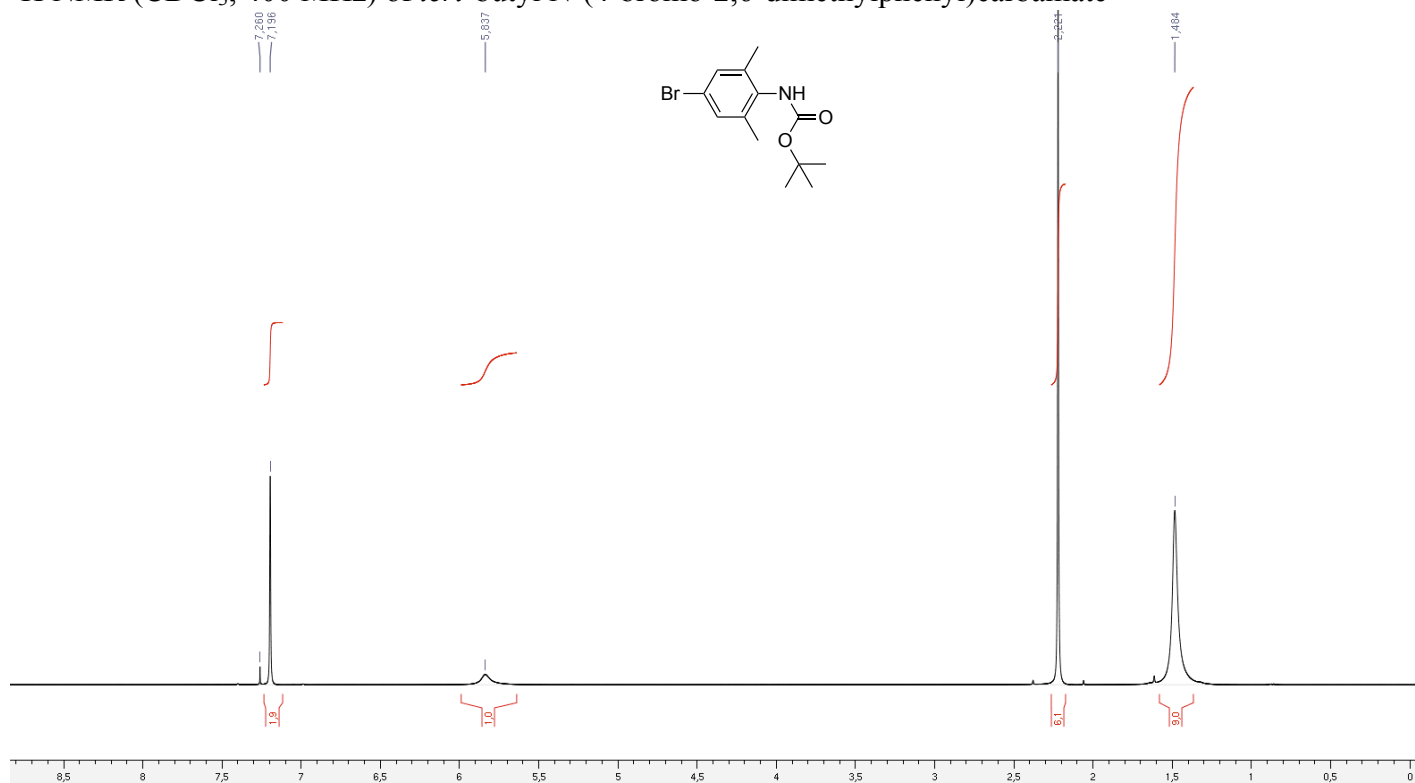
# Supporting Information

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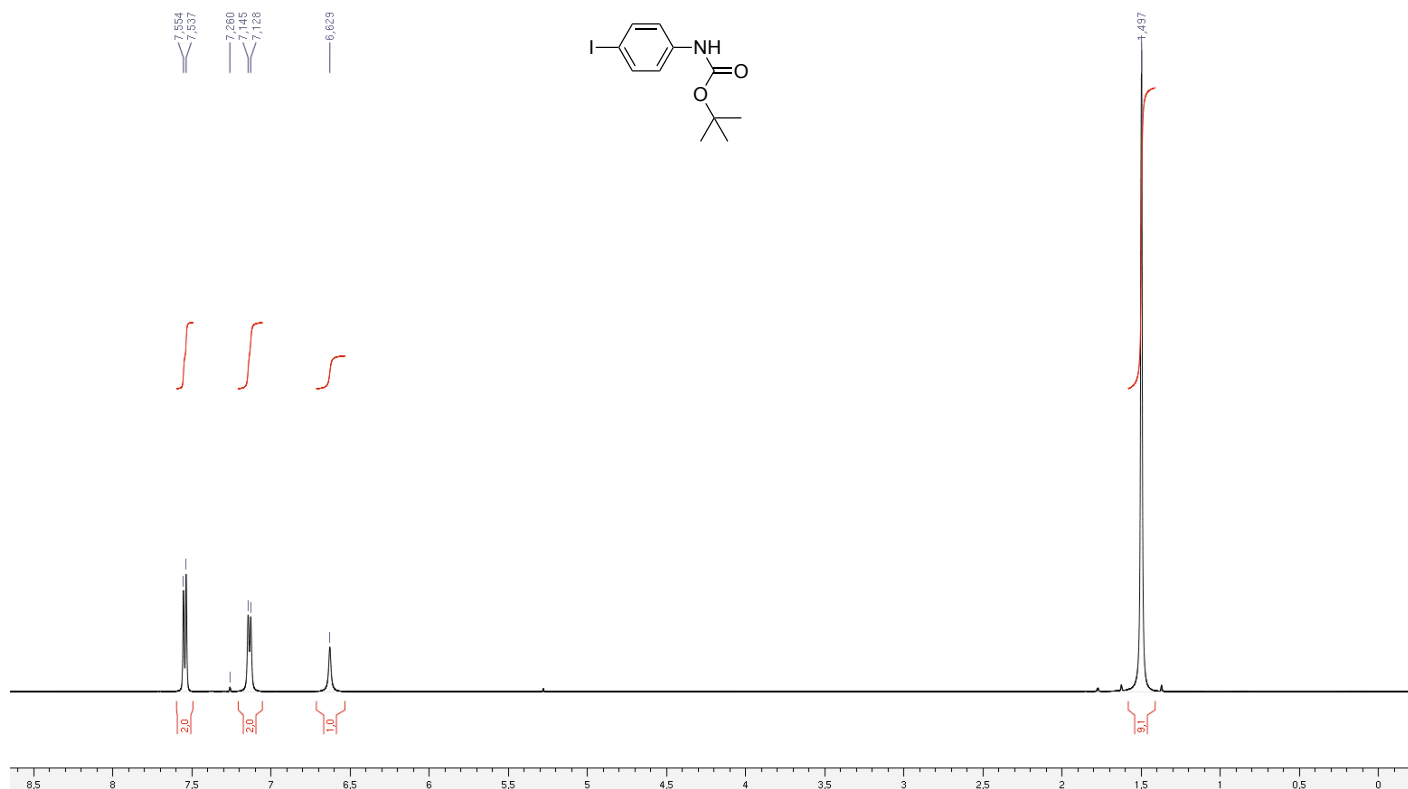
$^1\text{H}$ , $^{13}\text{C}\{^1\text{H}\}$ and $^{19}\text{F}$ NMR spectra.....	S1-S17
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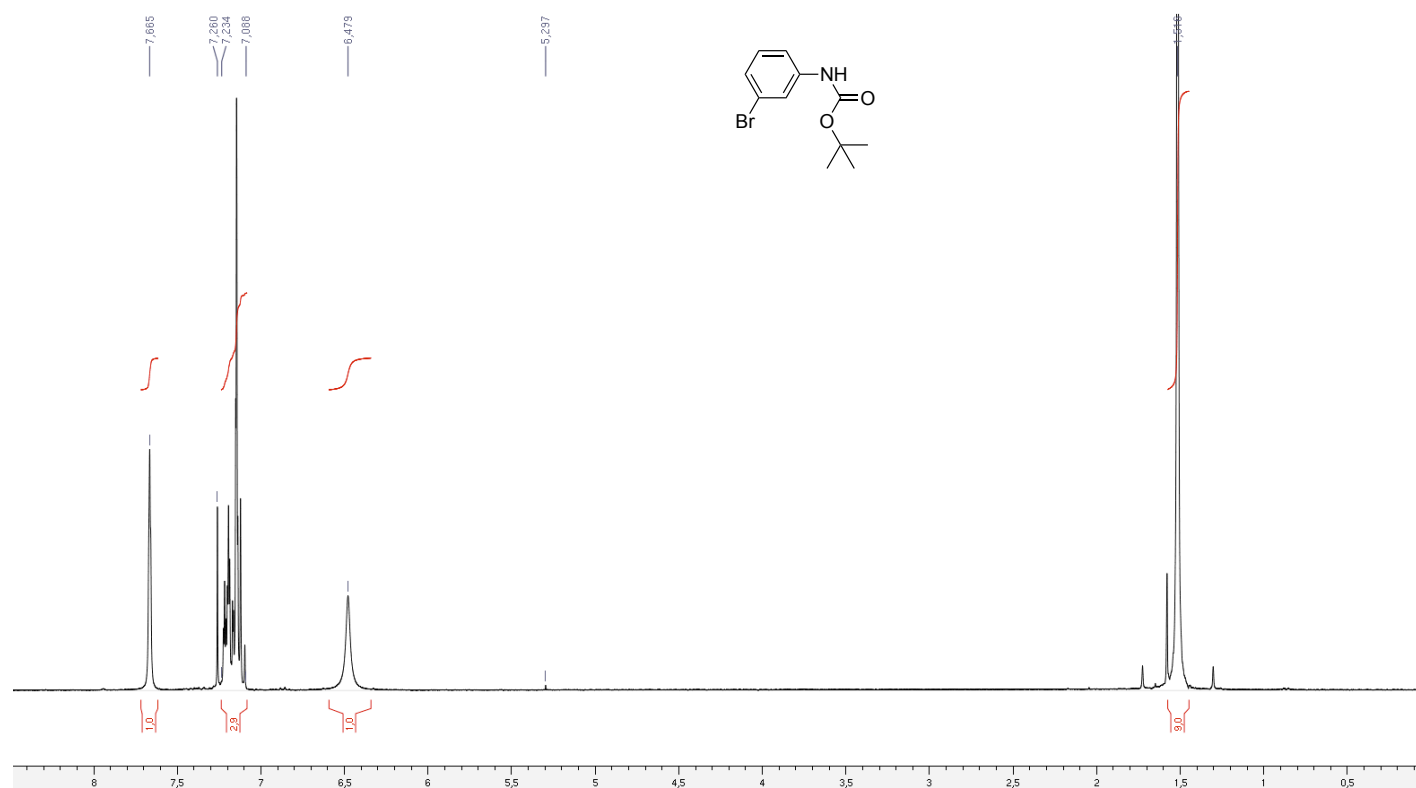
$^1\text{H}$  NMR ( $\text{CDCl}_3$ , 400 MHz) of *tert*-butyl N-(4-bromo-2,6-dimethylphenyl)carbamate



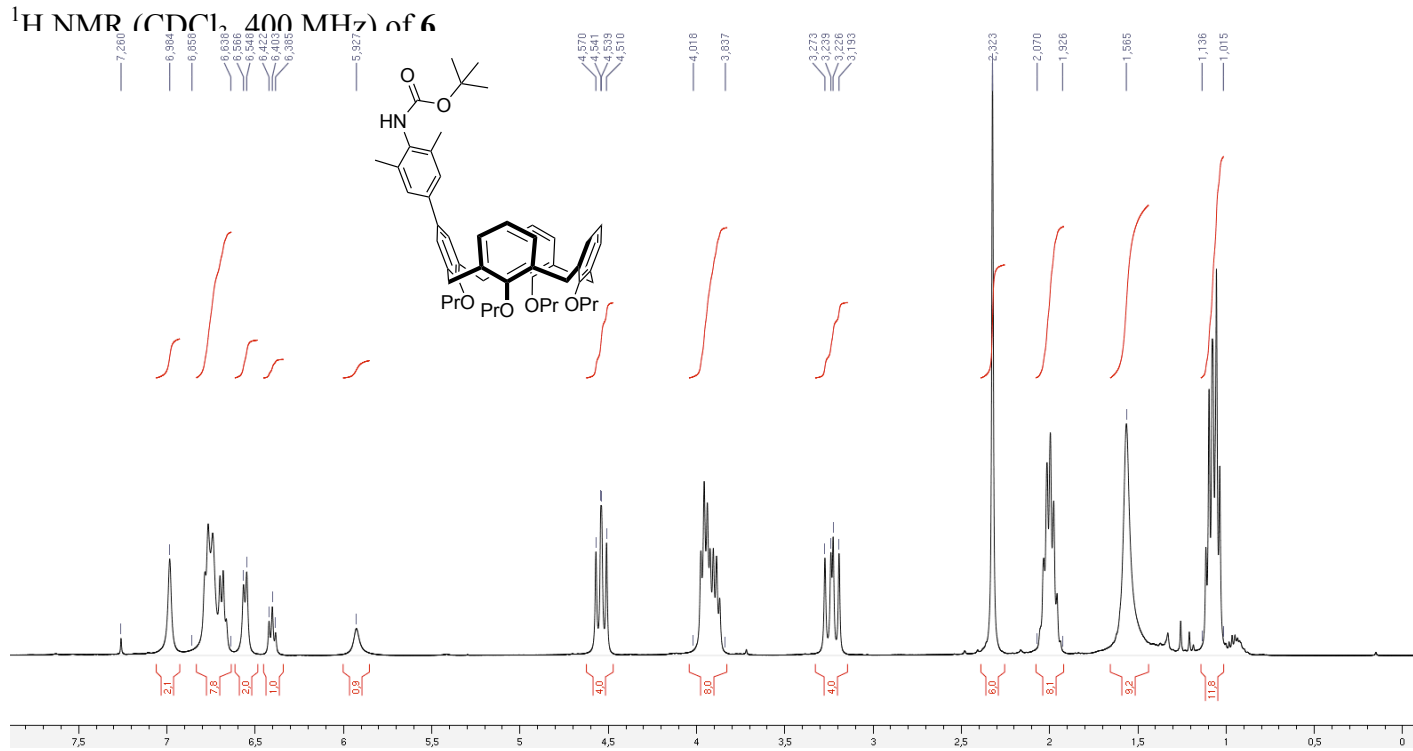
$^1\text{H}$  NMR ( $\text{CDCl}_3$ , 500 MHz) of *tert*-butyl N-(4-iodophenyl)carbamate



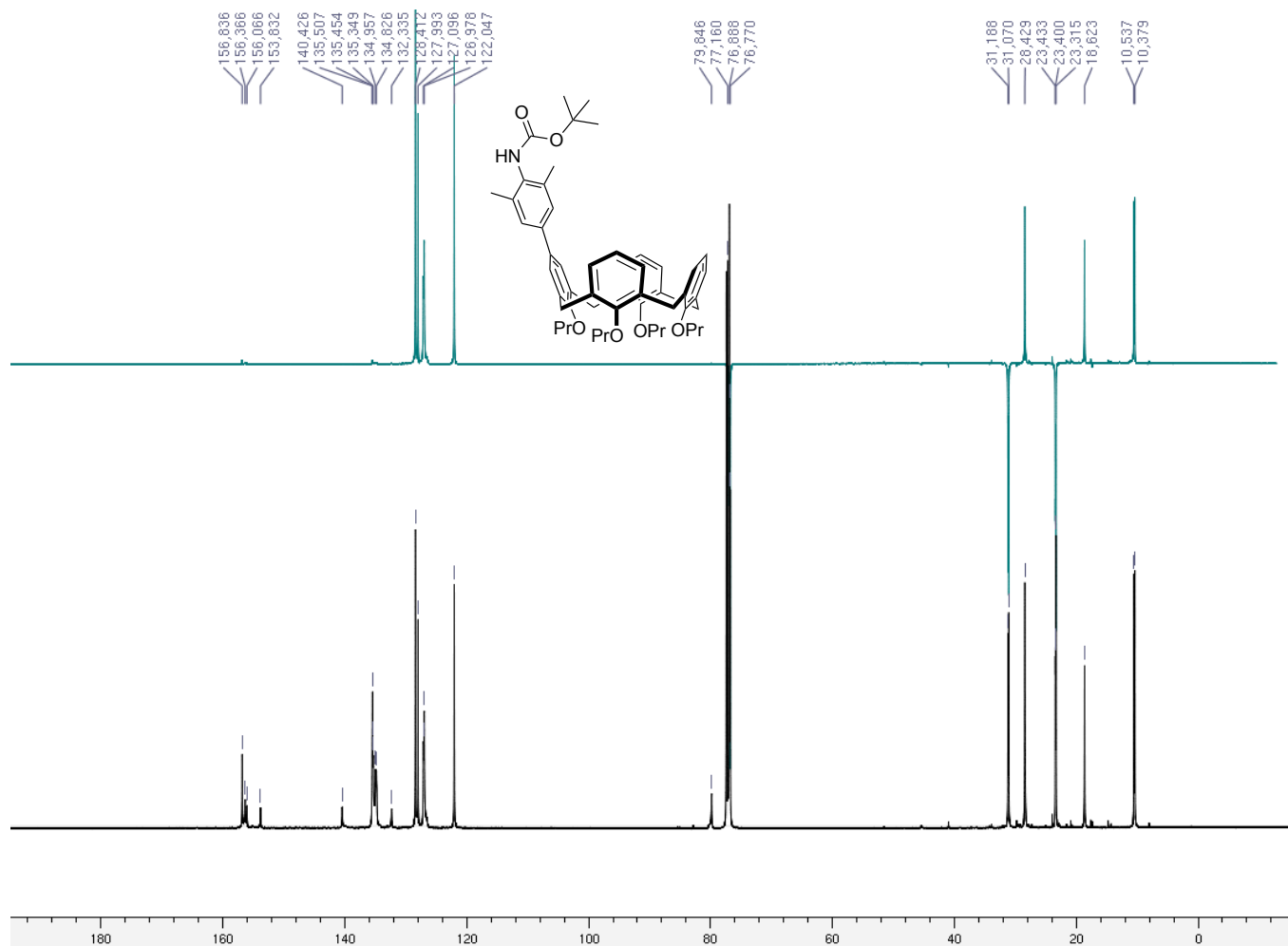
$^1\text{H}$  NMR ( $\text{CDCl}_3$ , 300 MHz) of *tert*-butyl N-(3-bromophenyl)carbamate



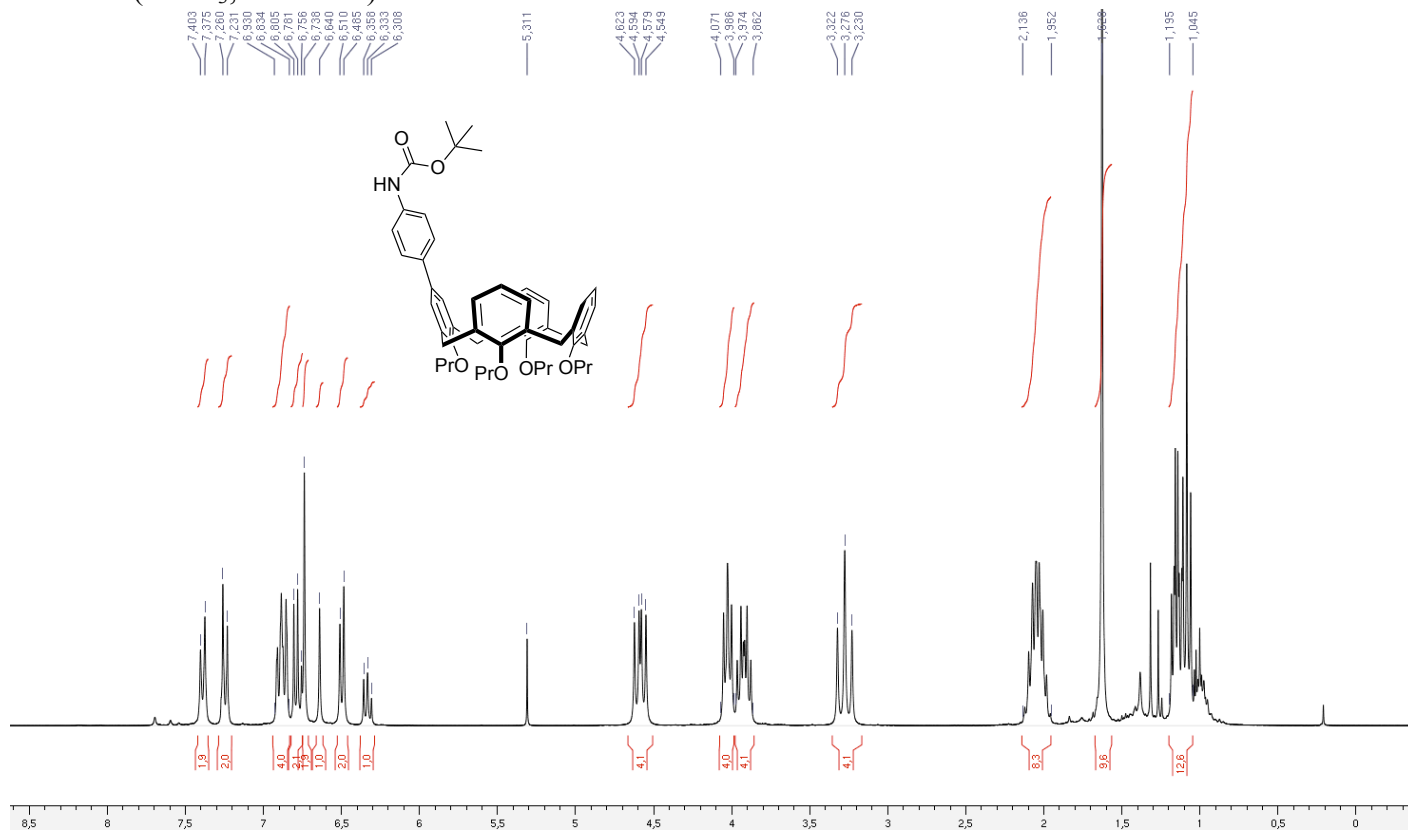
$^1\text{H}$  NMR ( $\text{CDCl}_3$ , 400 MHz) of **6**



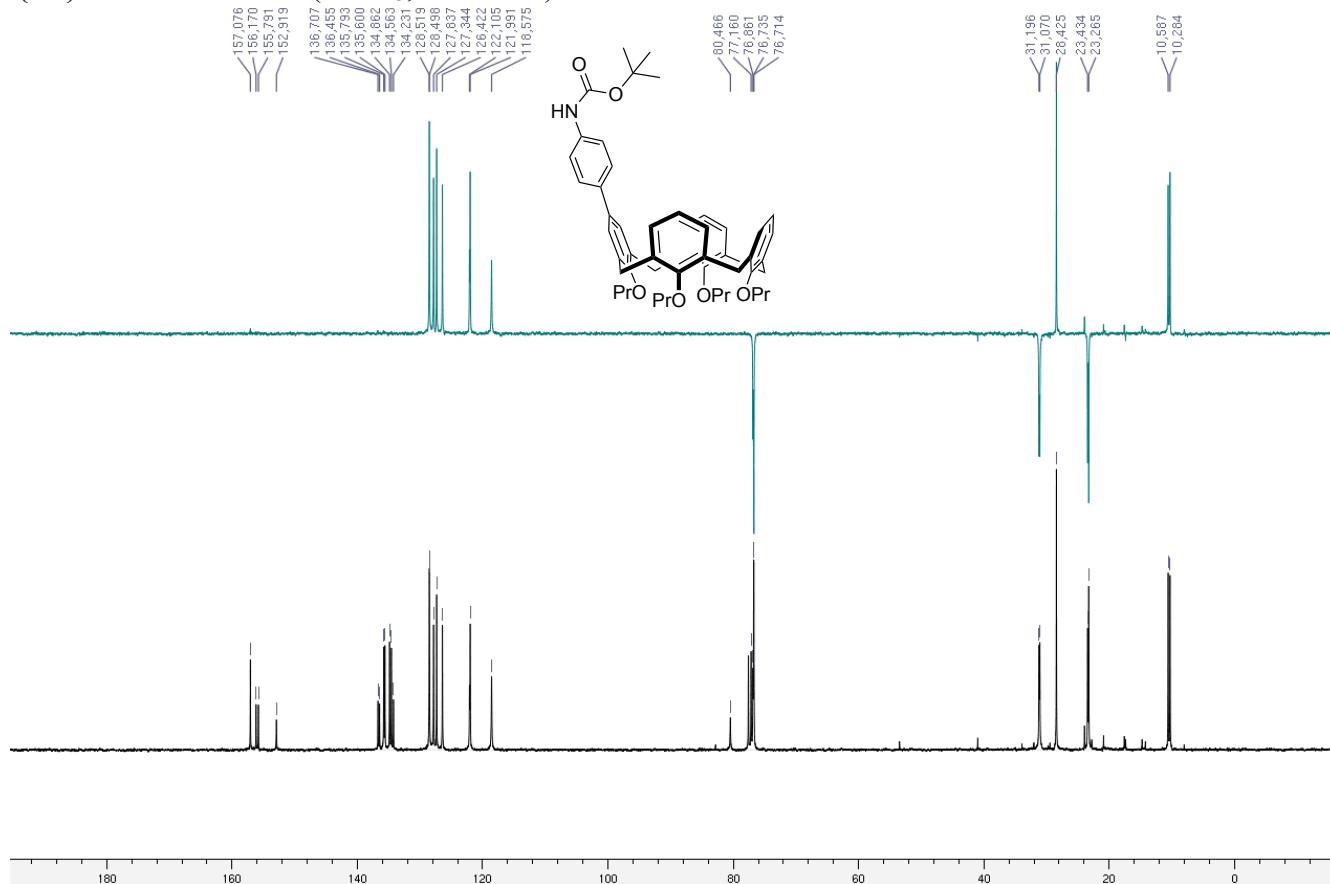
$^{13}\text{C}\{^1\text{H}\}$  and DEPT NMR ( $\text{CDCl}_3$ , 125 MHz) of **6**



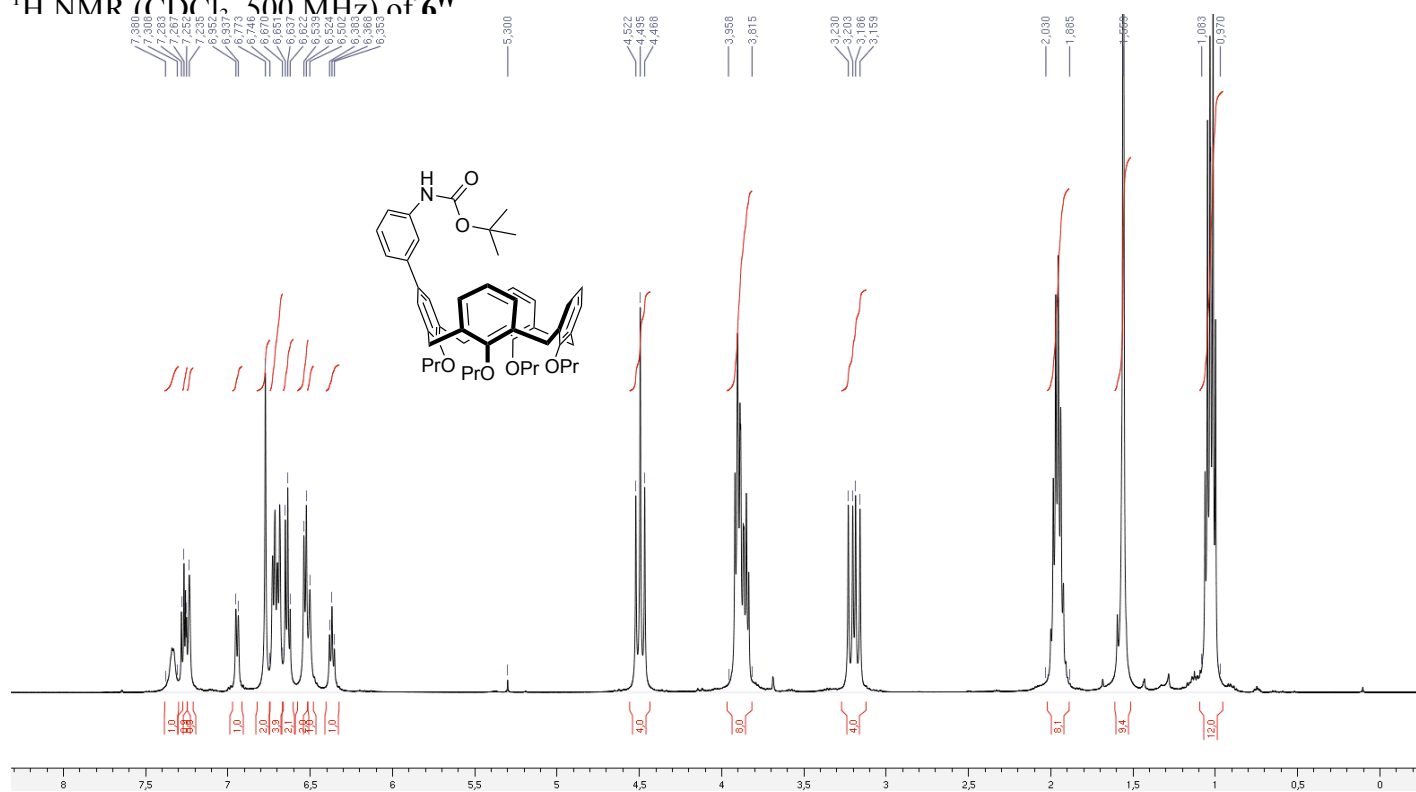
$^1\text{H}$  NMR ( $\text{CDCl}_3$ , 500 MHz) of **6'**



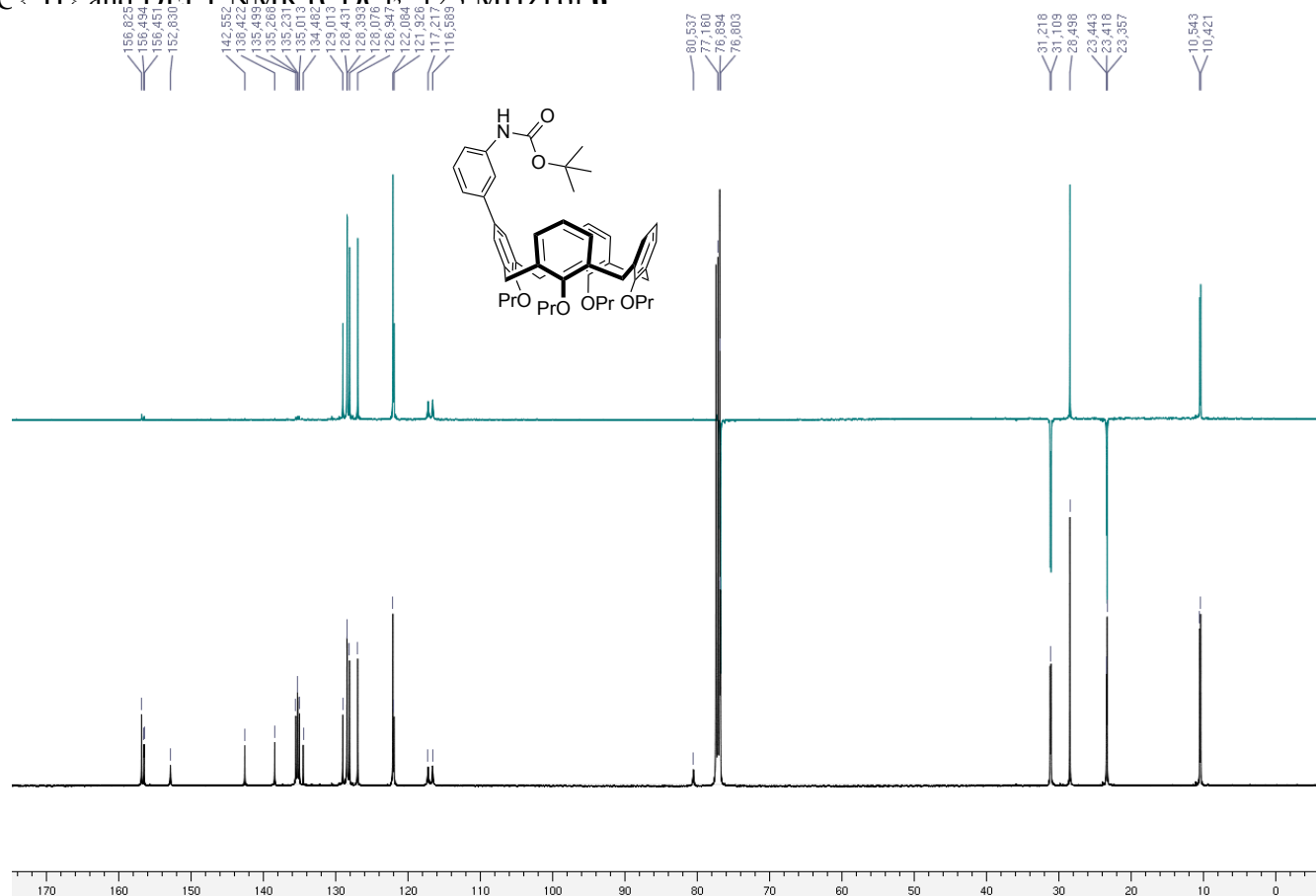
$^{13}\text{C}\{^1\text{H}\}$  and DEPT NMR ( $\text{CDCl}_3$ , 125 MHz) of **6'**



$^1\text{H}$  NMR ( $\text{CDCl}_3$ , 500 MHz) of **6''**

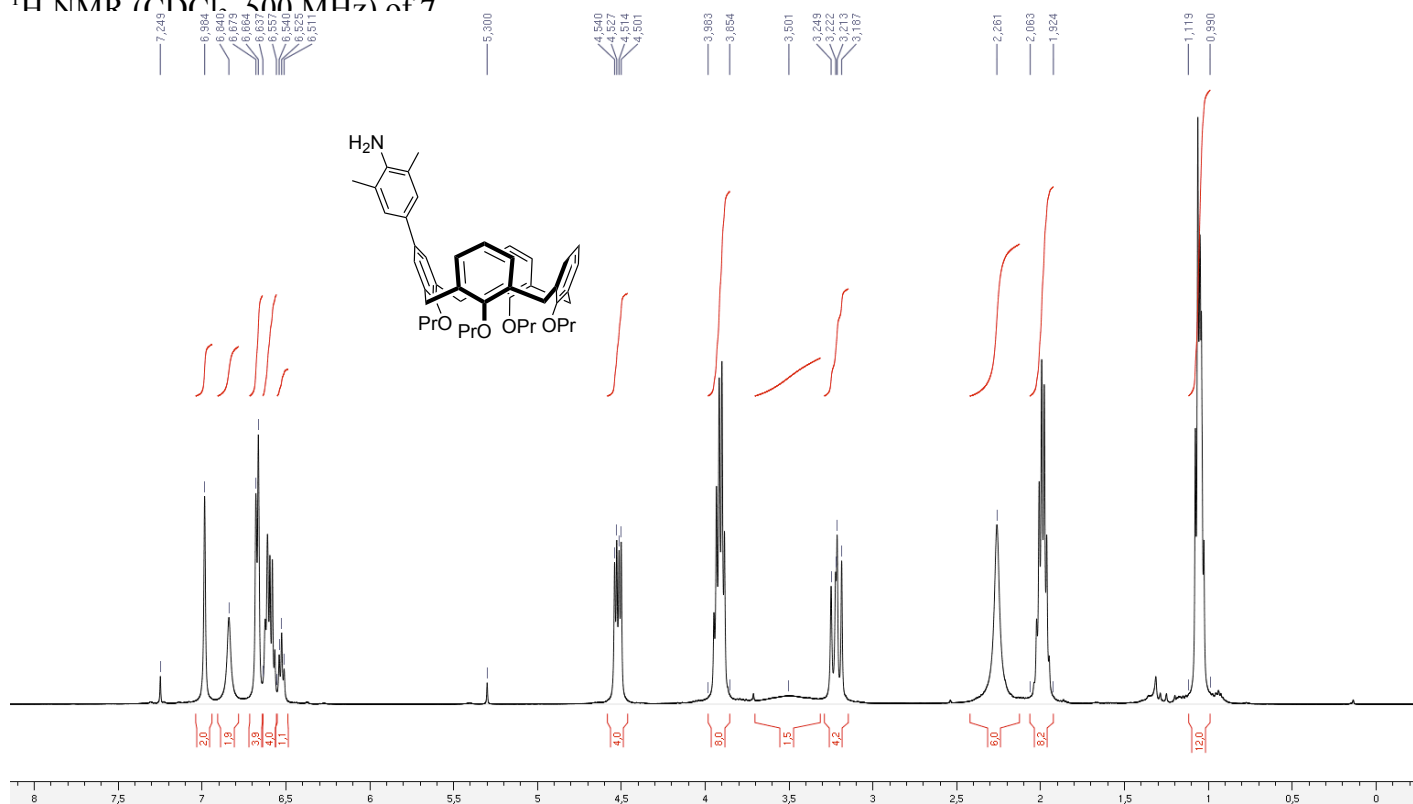


$^{13}\text{C}$  ( $^1\text{H}$ ) and DEPT NMR ( $\text{CDCl}_3$ , 125 MHz) of **6''**

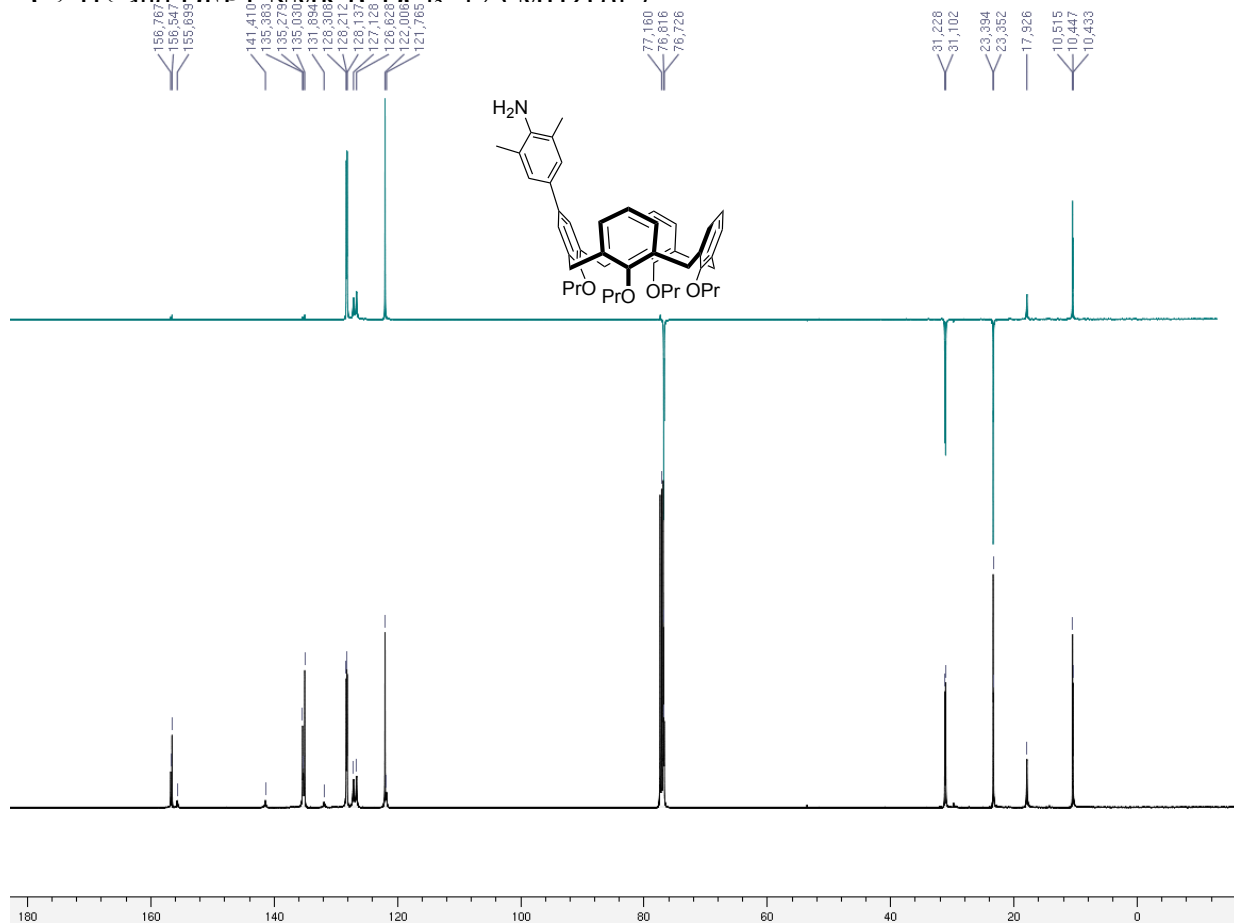




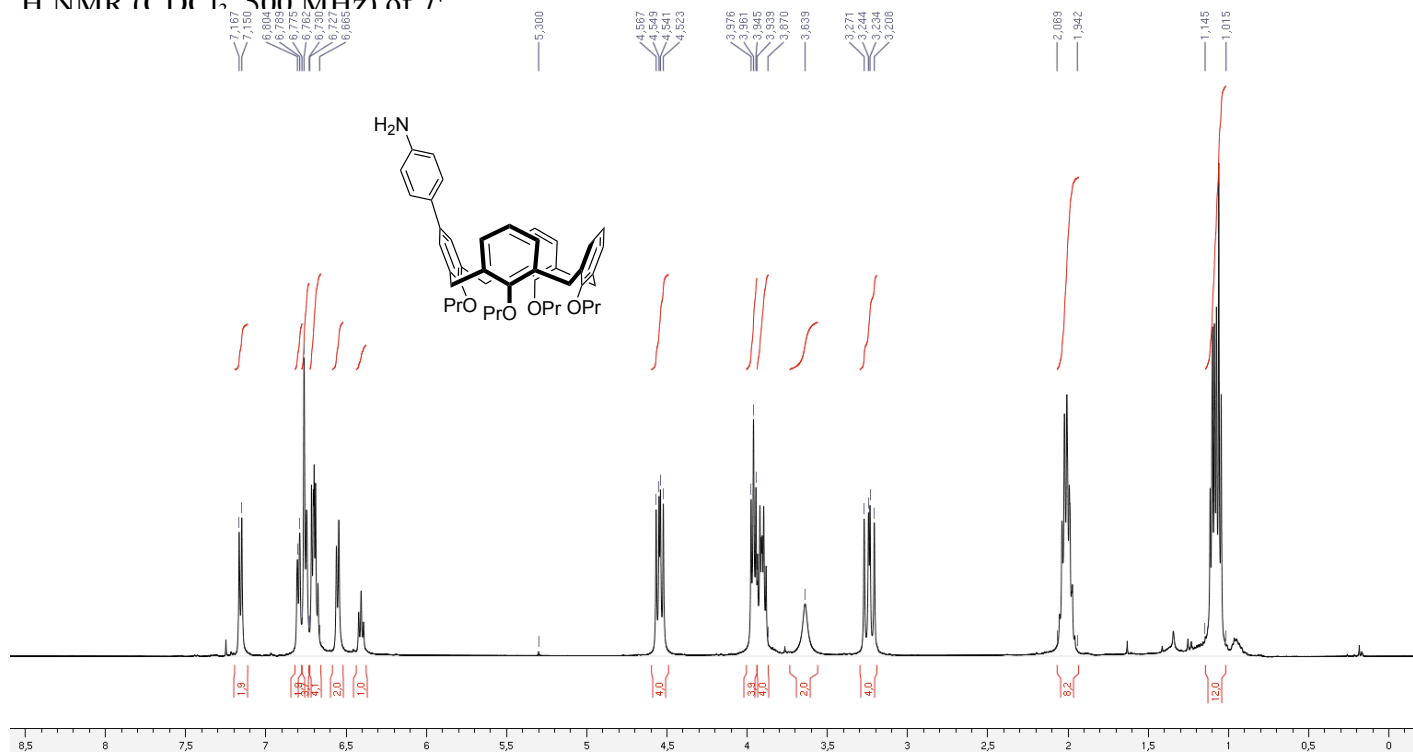
<sup>1</sup>H NMR (CDCl<sub>3</sub>, 500 MHz) of **7**



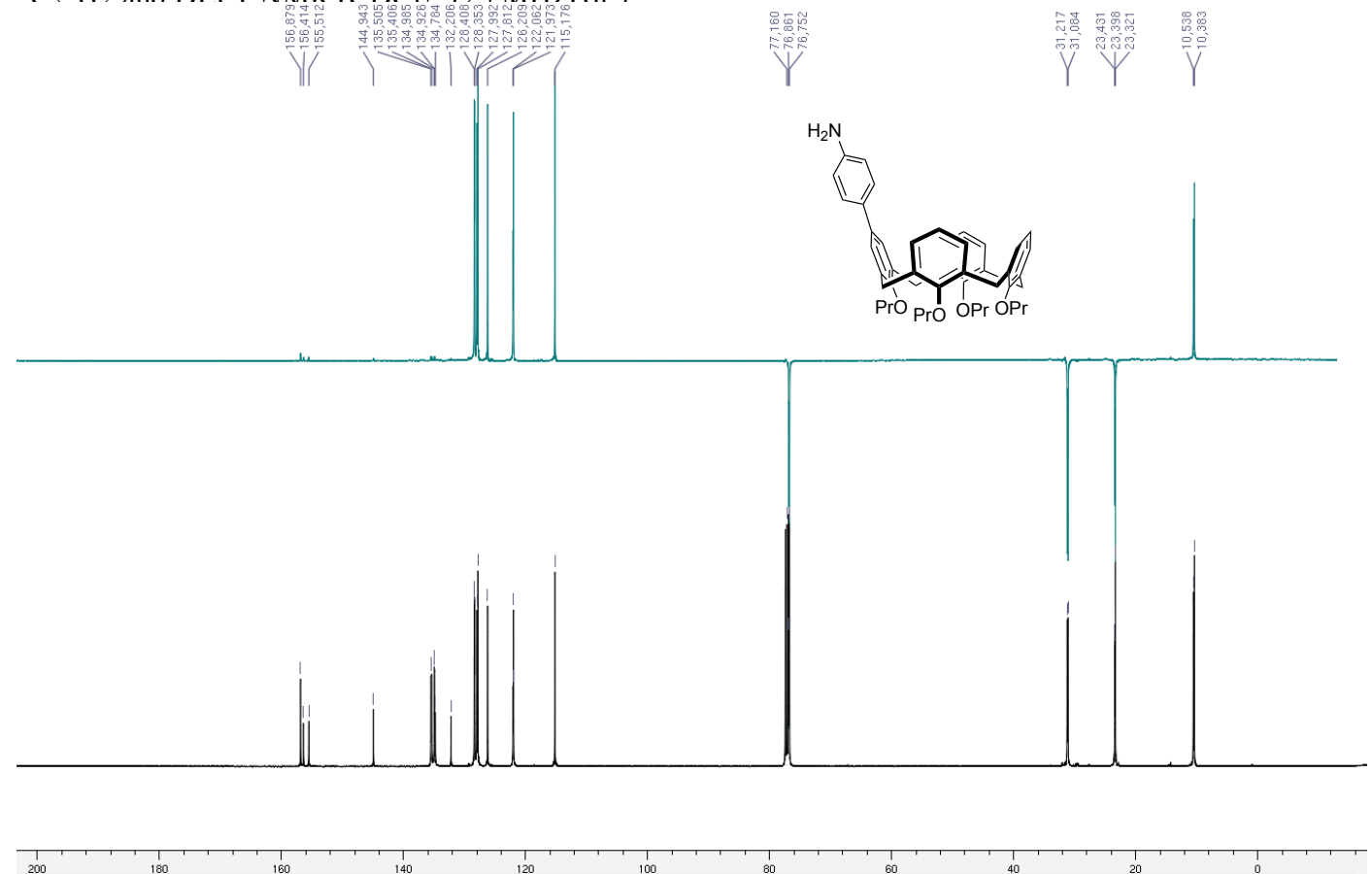
<sup>13</sup>C NMR and DEPT NMR (CDCl<sub>3</sub>, 125 MHz) of **7**



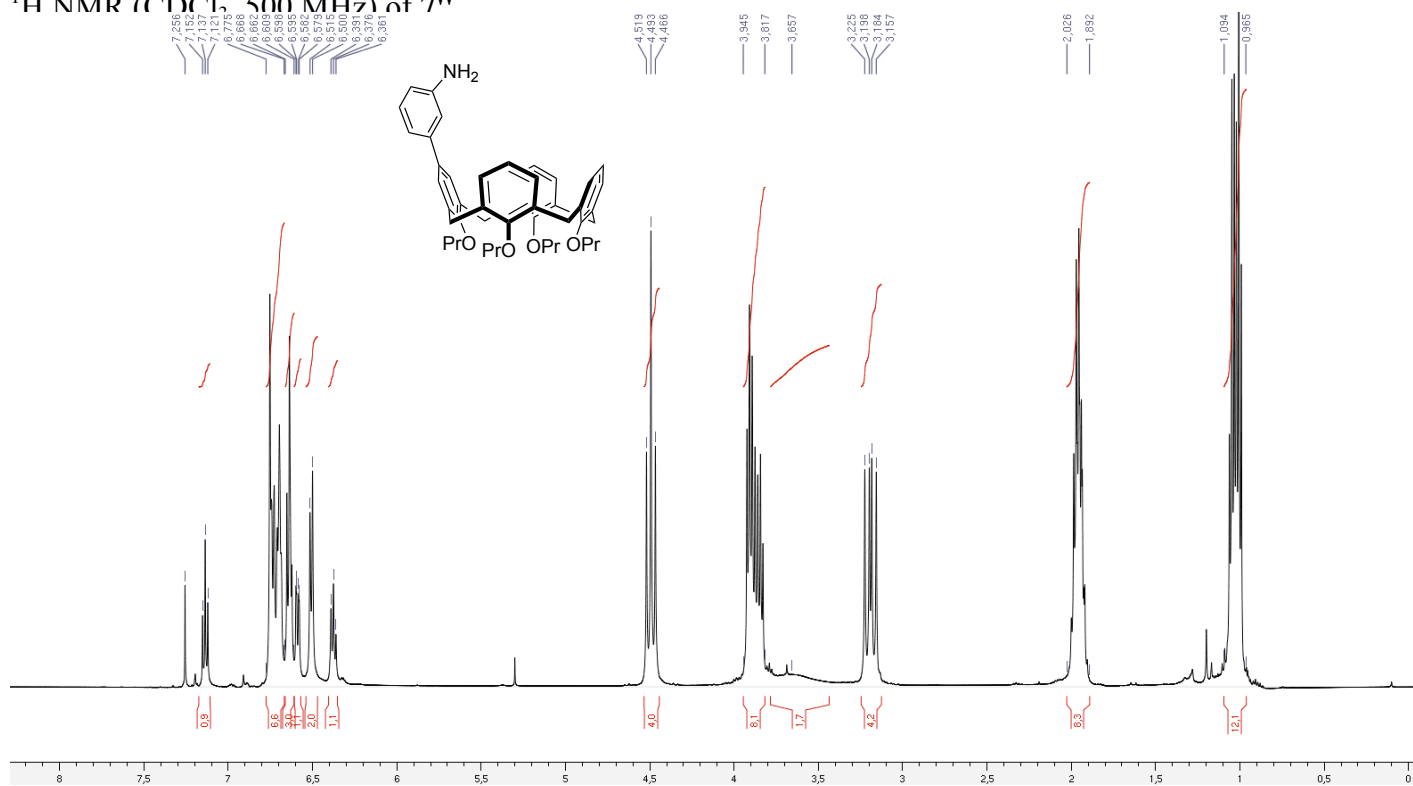
$^1\text{H}$  NMR ( $\text{CDCl}_3$ , 500 MHz) of **7'**



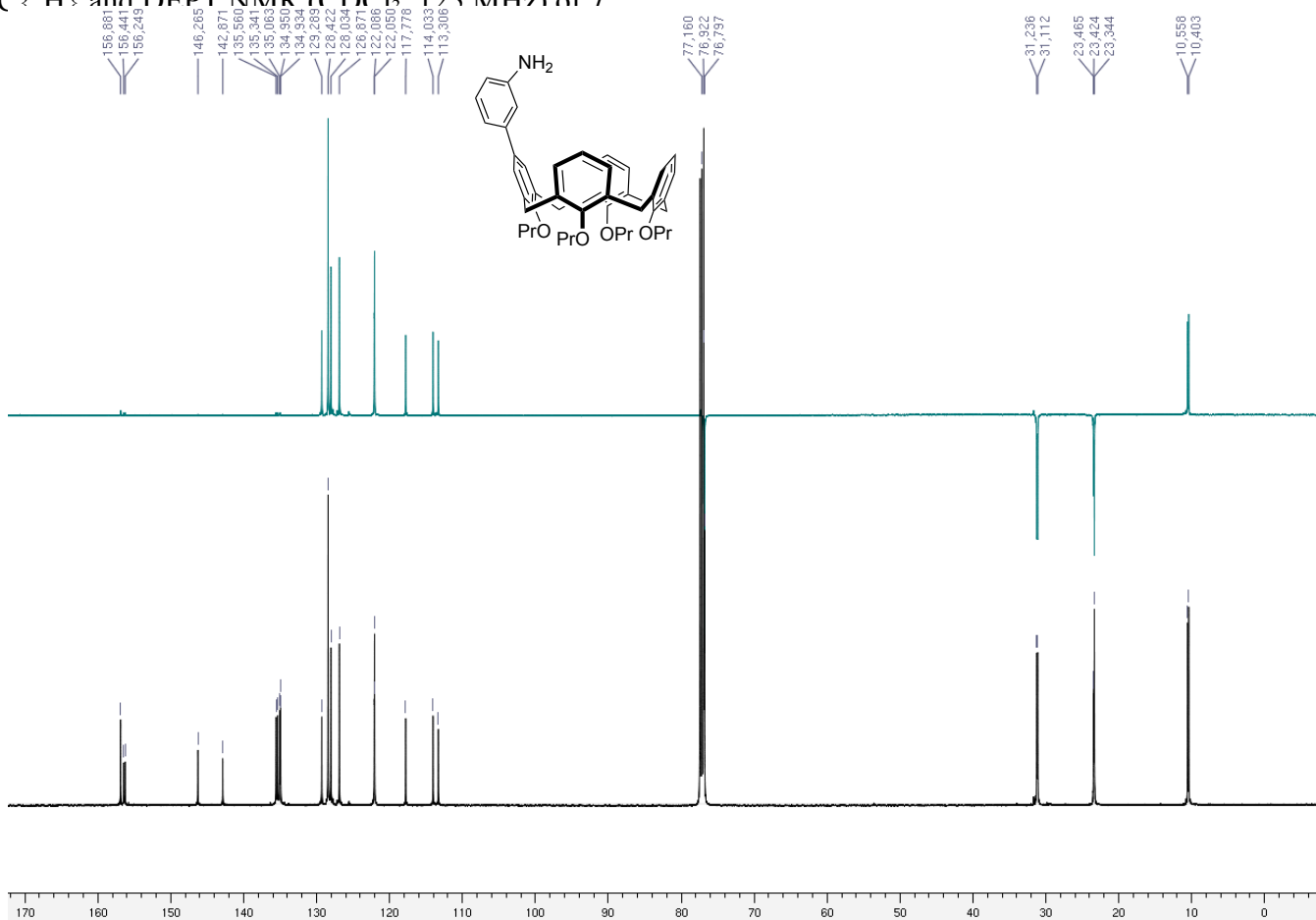
$^{13}\text{C}$  ( $^1\text{H}$ ) and DEPT NMR ( $\text{CDCl}_3$ , 125 MHz) of **7'**



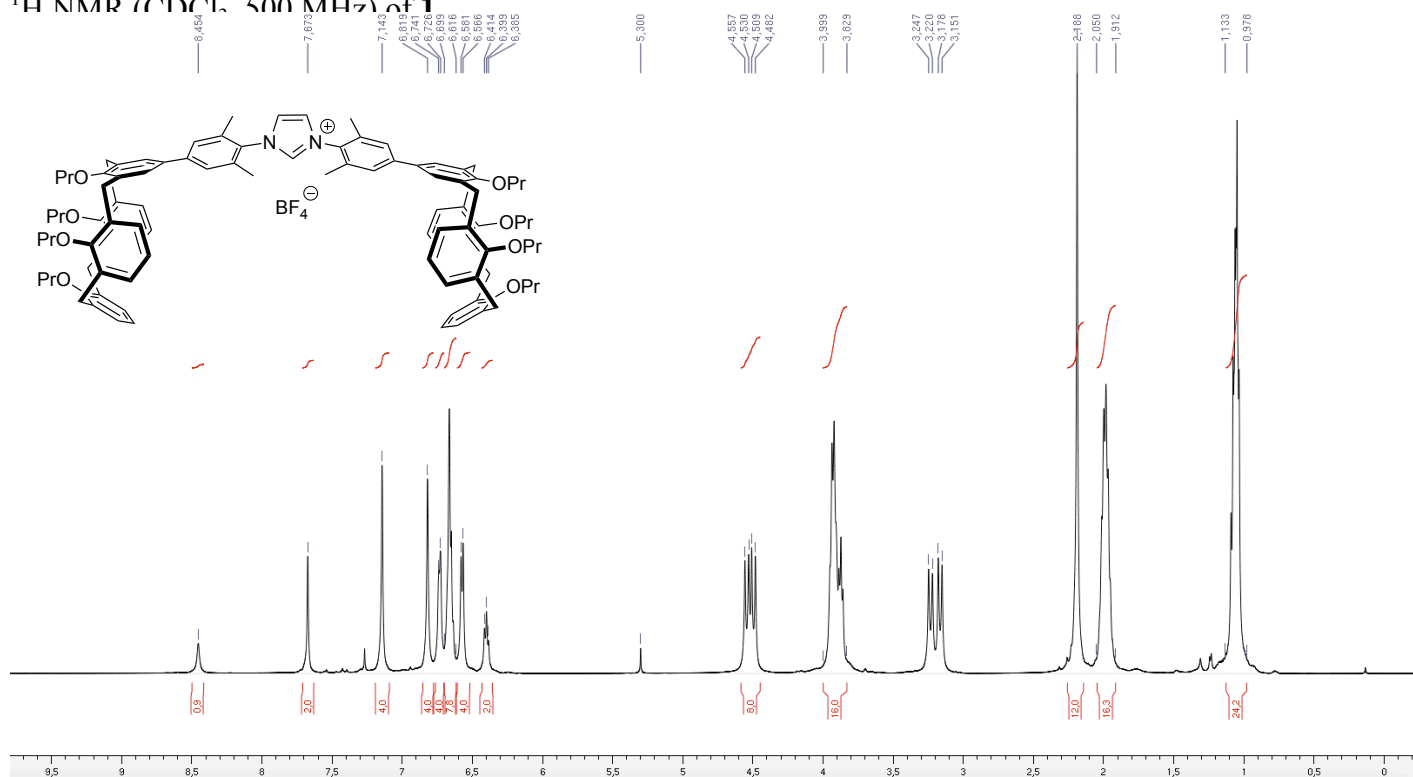
$^1\text{H}$  NMR ( $\text{CDCl}_3$ , 500 MHz) of **7''**



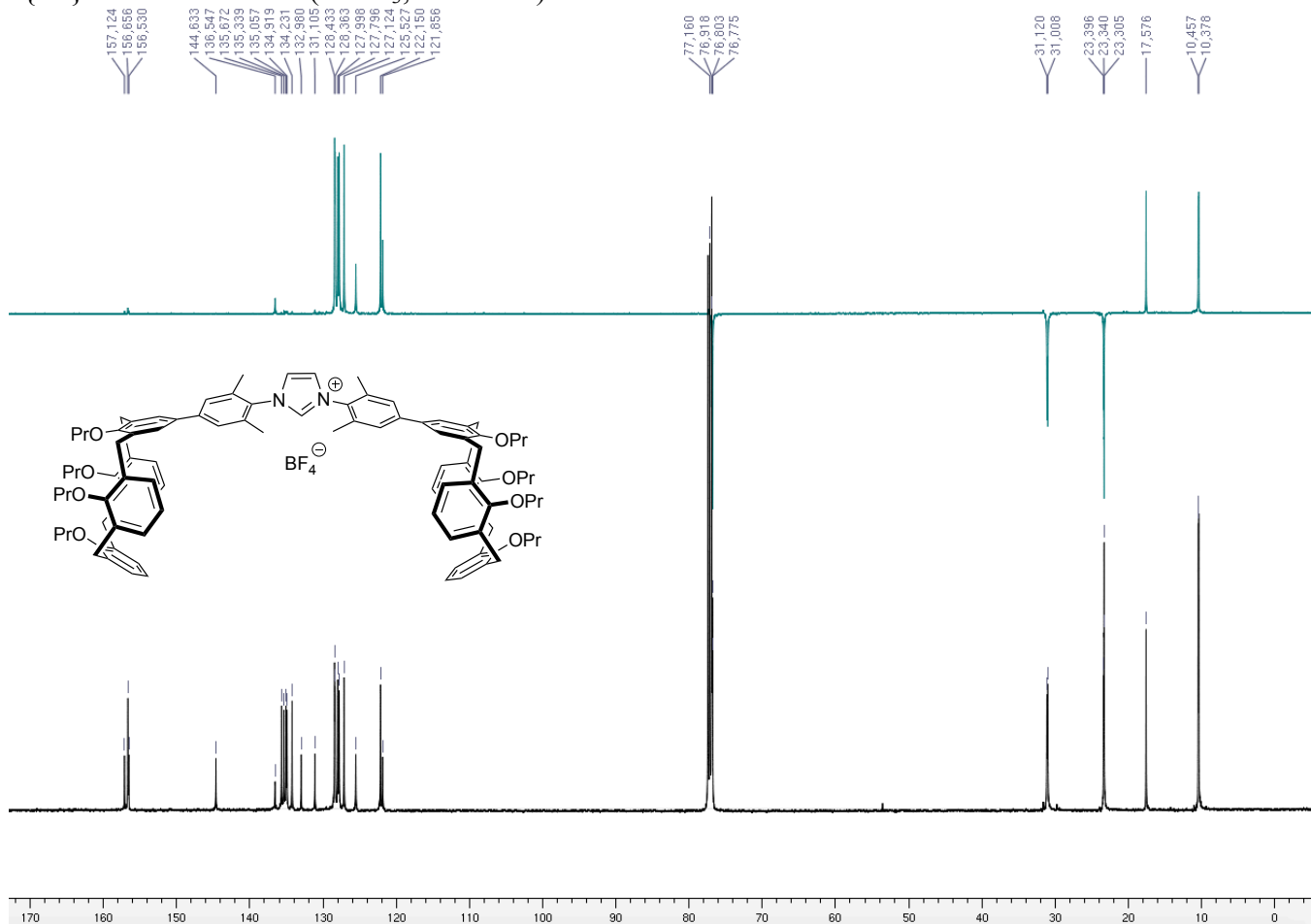
$^{13}\text{C}$   $^1\text{H}$  and DEPT NMR ( $\text{CDCl}_3$ , 125 MHz) of **7''**



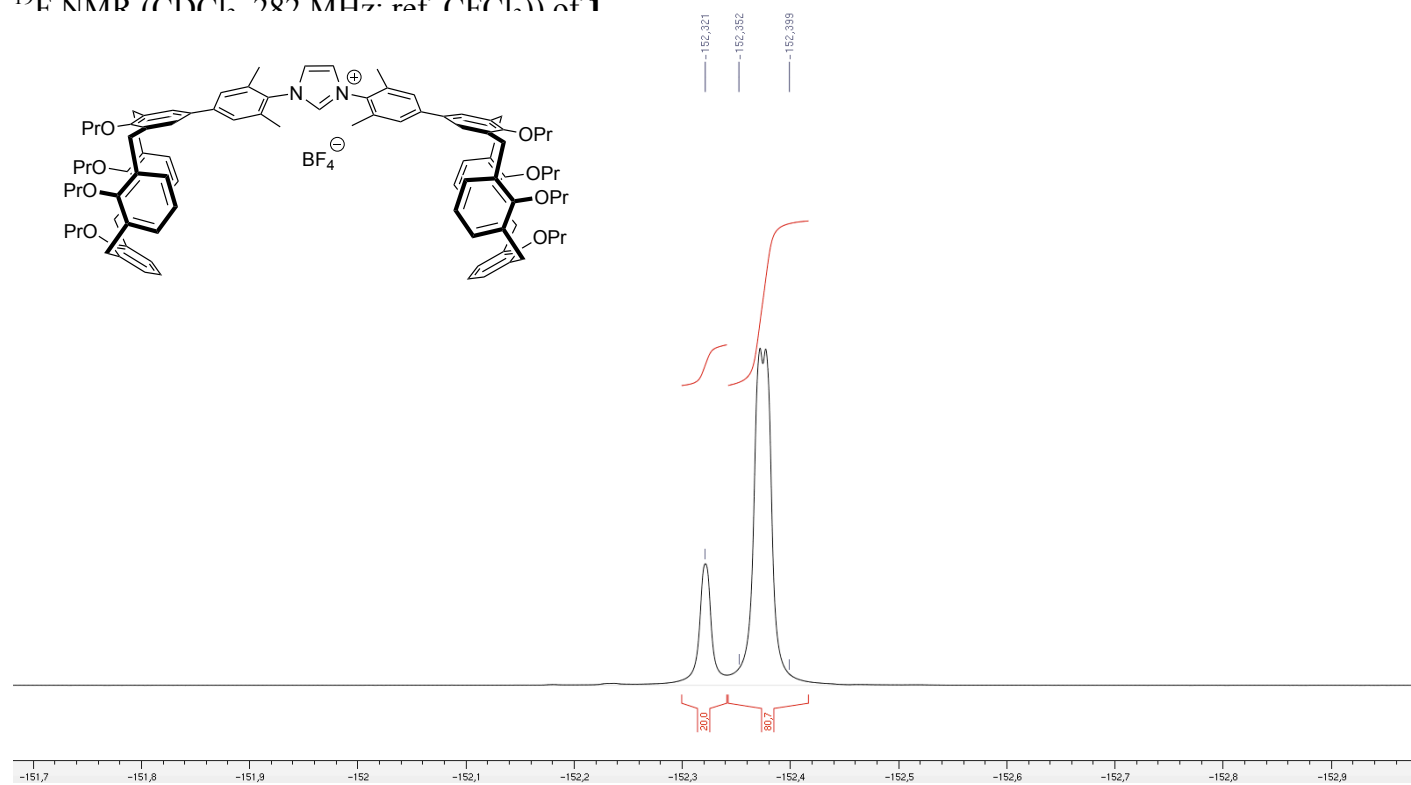
$^1\text{H}$  NMR ( $\text{CDCl}_3$ , 500 MHz) of **1**



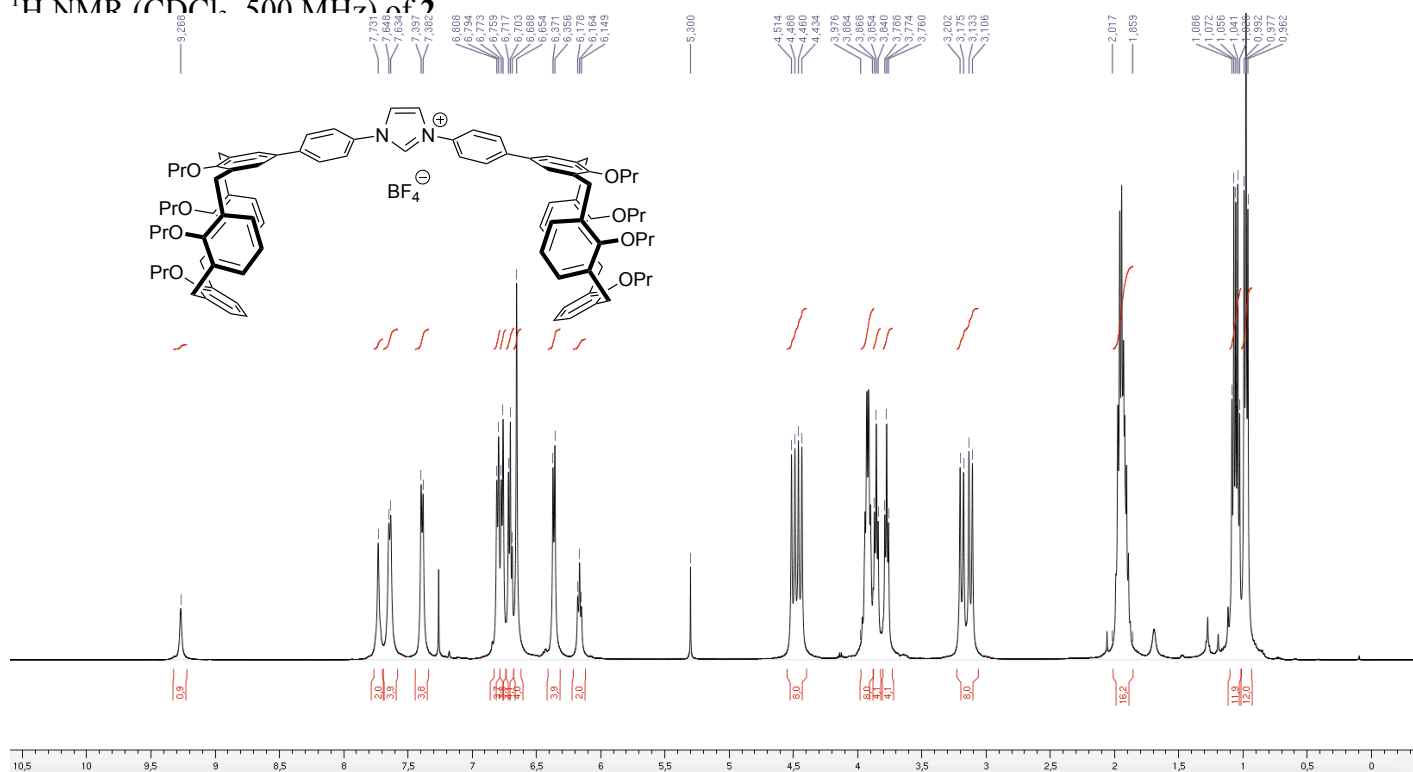
$^{13}\text{C}\{^1\text{H}\}$  and DEPT NMR ( $\text{CDCl}_3$ , 125 MHz) of **1**



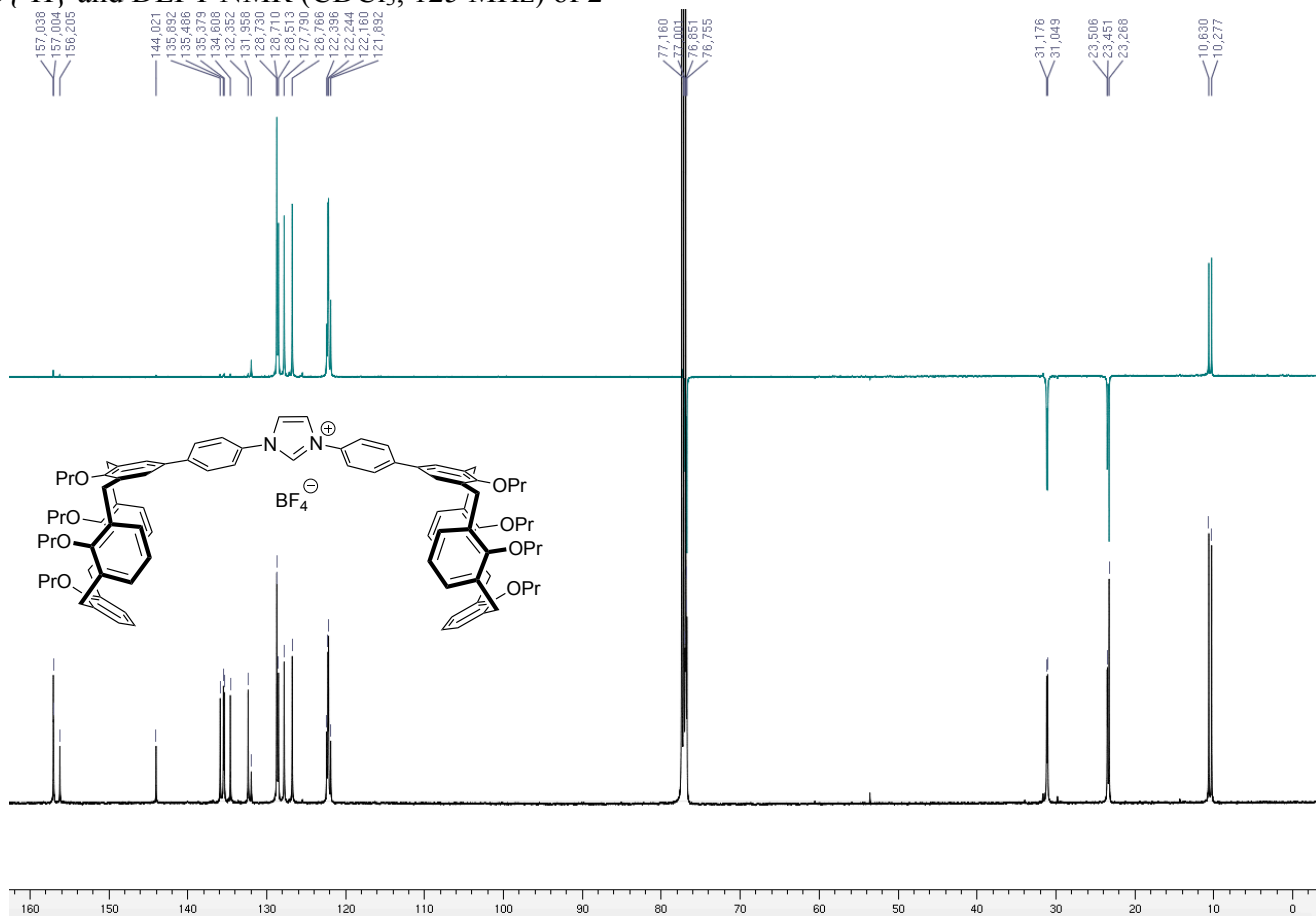
$^{19}\text{F}$  NMR ( $\text{CDCl}_3$ , 282 MHz; ref.  $\text{CFCl}_3$ ) of **1**



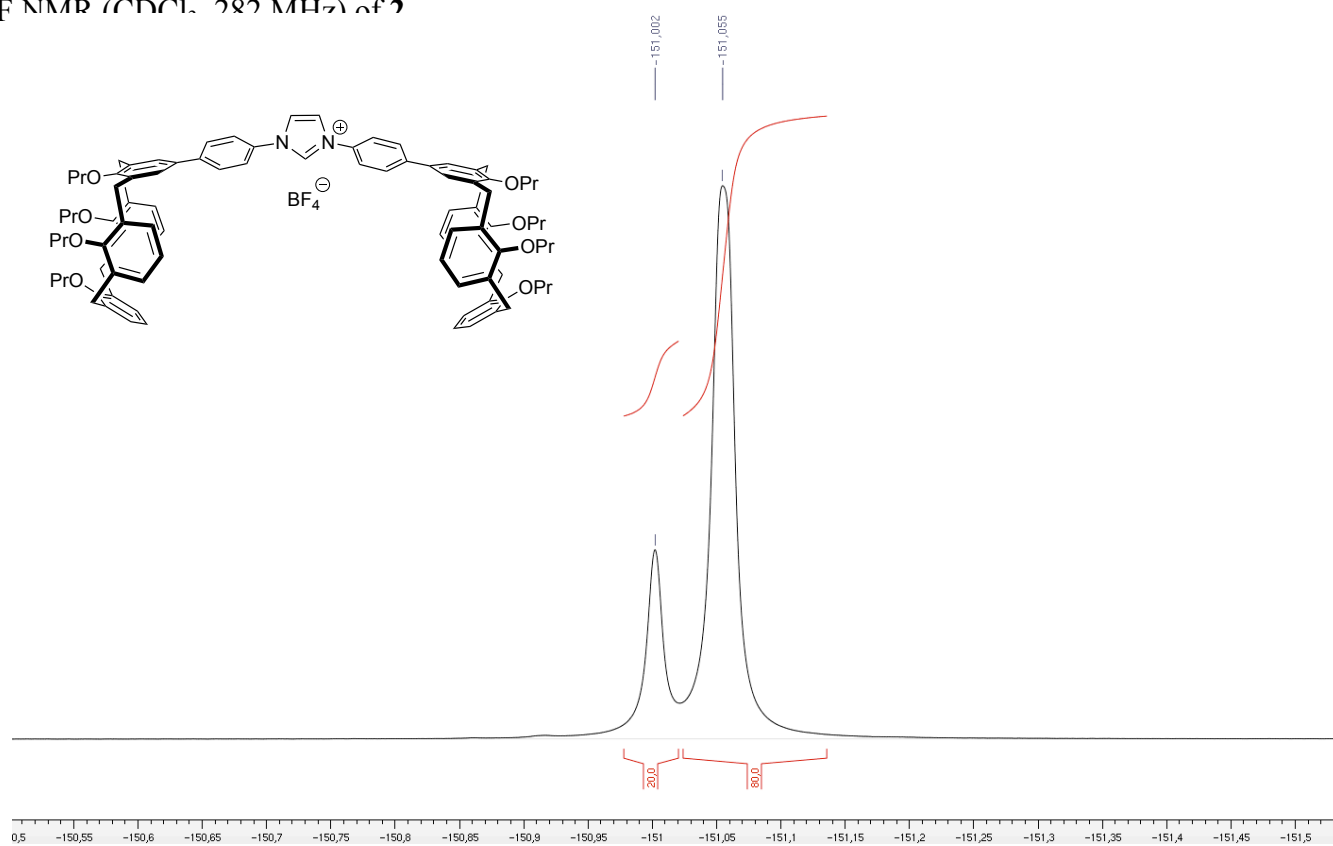
$^1\text{H}$  NMR ( $\text{CDCl}_3$ , 500 MHz) of **2**



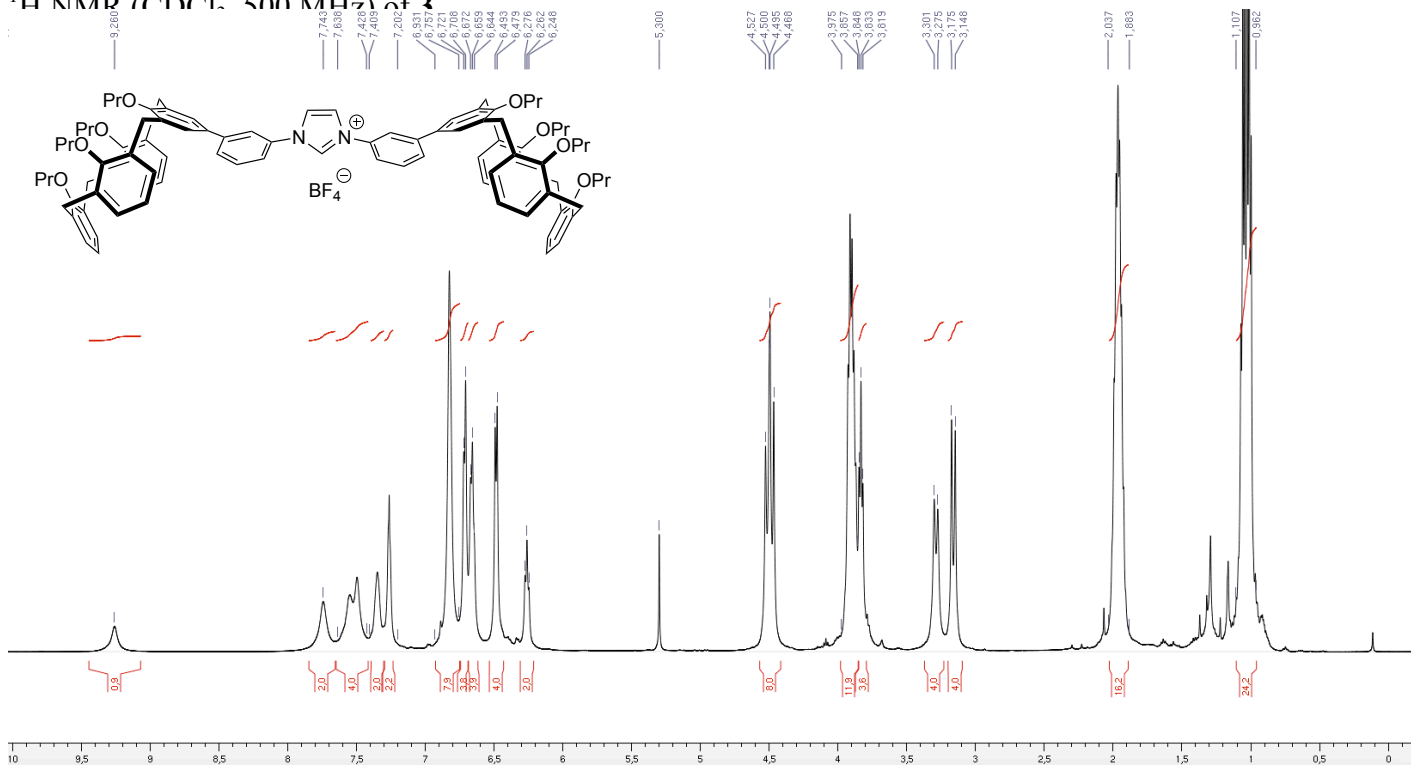
$^{13}\text{C}\{^1\text{H}\}$  and DEPT NMR ( $\text{CDCl}_3$ , 125 MHz) of **2**



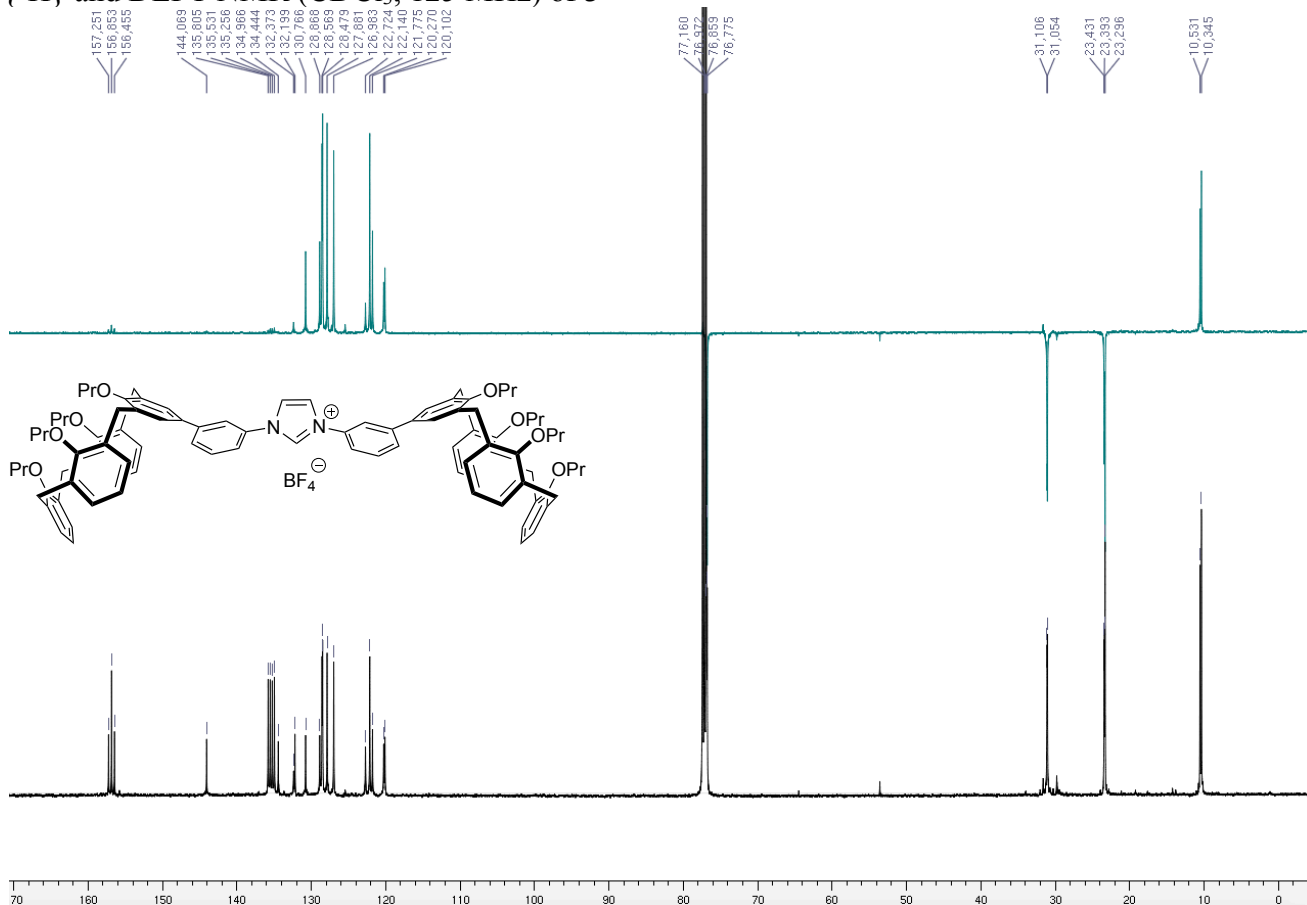
$^{19}\text{F}$  NMR ( $\text{CDCl}_3$ , 282 MHz) of **2**



$^1\text{H}$  NMR ( $\text{CDCl}_3$ , 500 MHz) of **3**

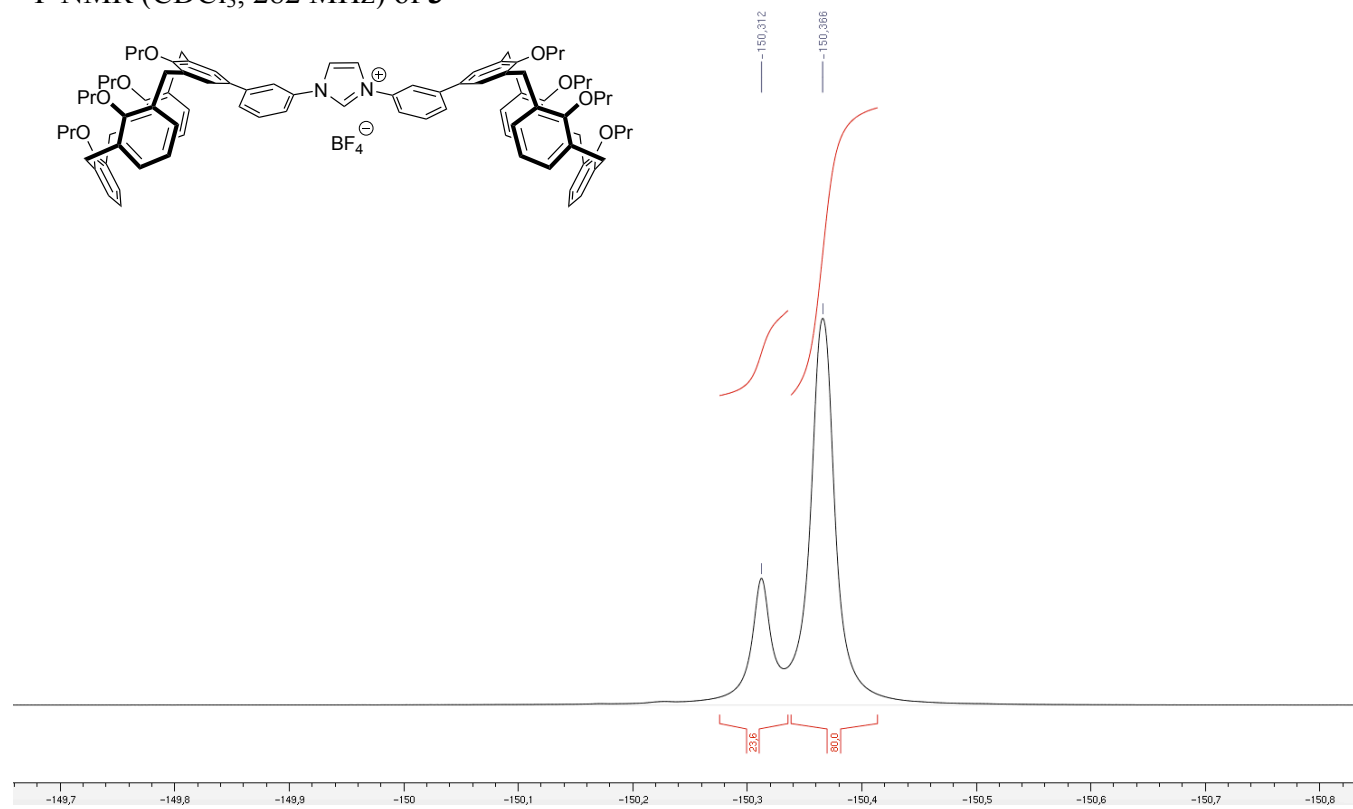


$^{13}\text{C}\{^1\text{H}\}$  and DEPT NMR ( $\text{CDCl}_3$ , 125 MHz) of **3**

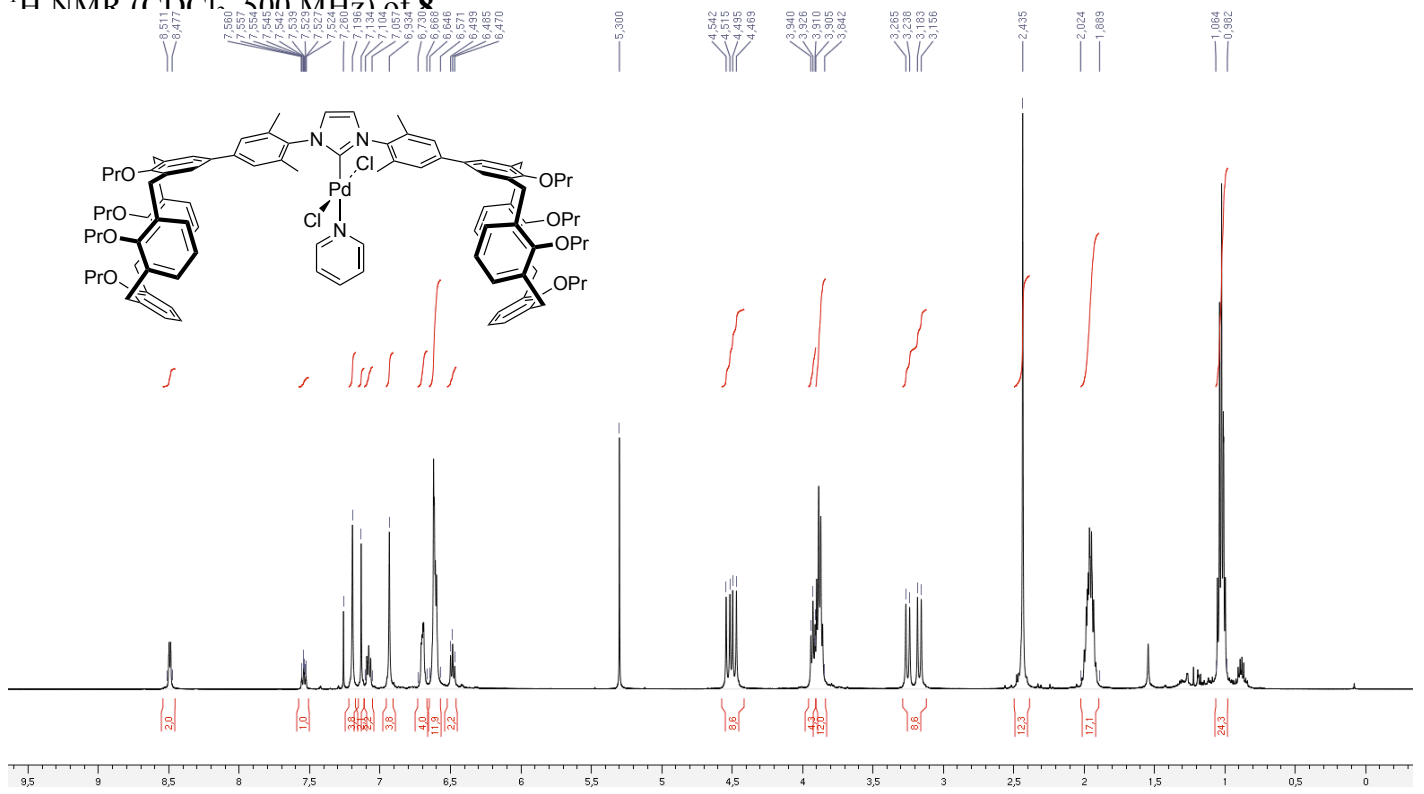




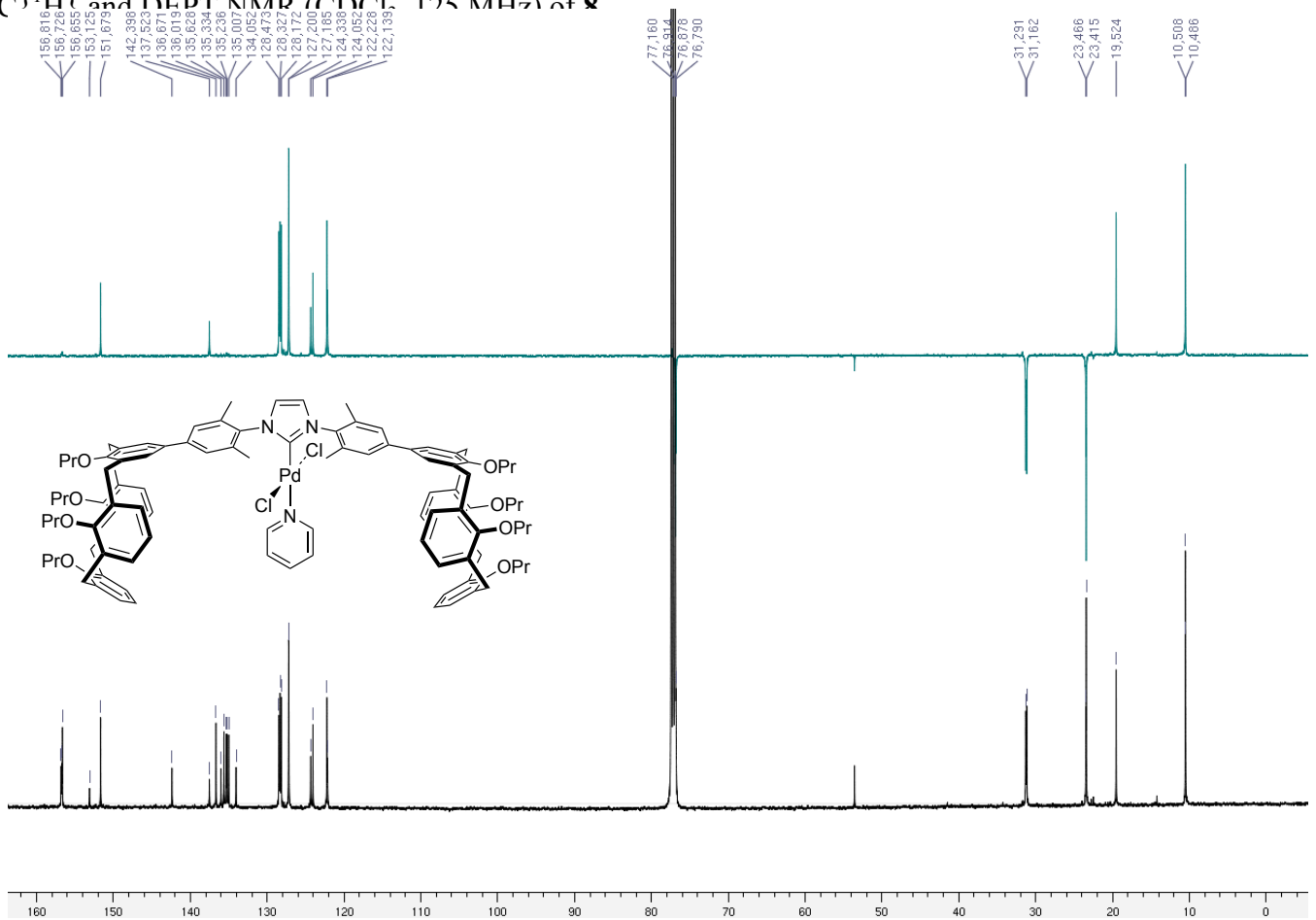
$^{19}\text{F}$  NMR ( $\text{CDCl}_3$ , 282 MHz) of **3**



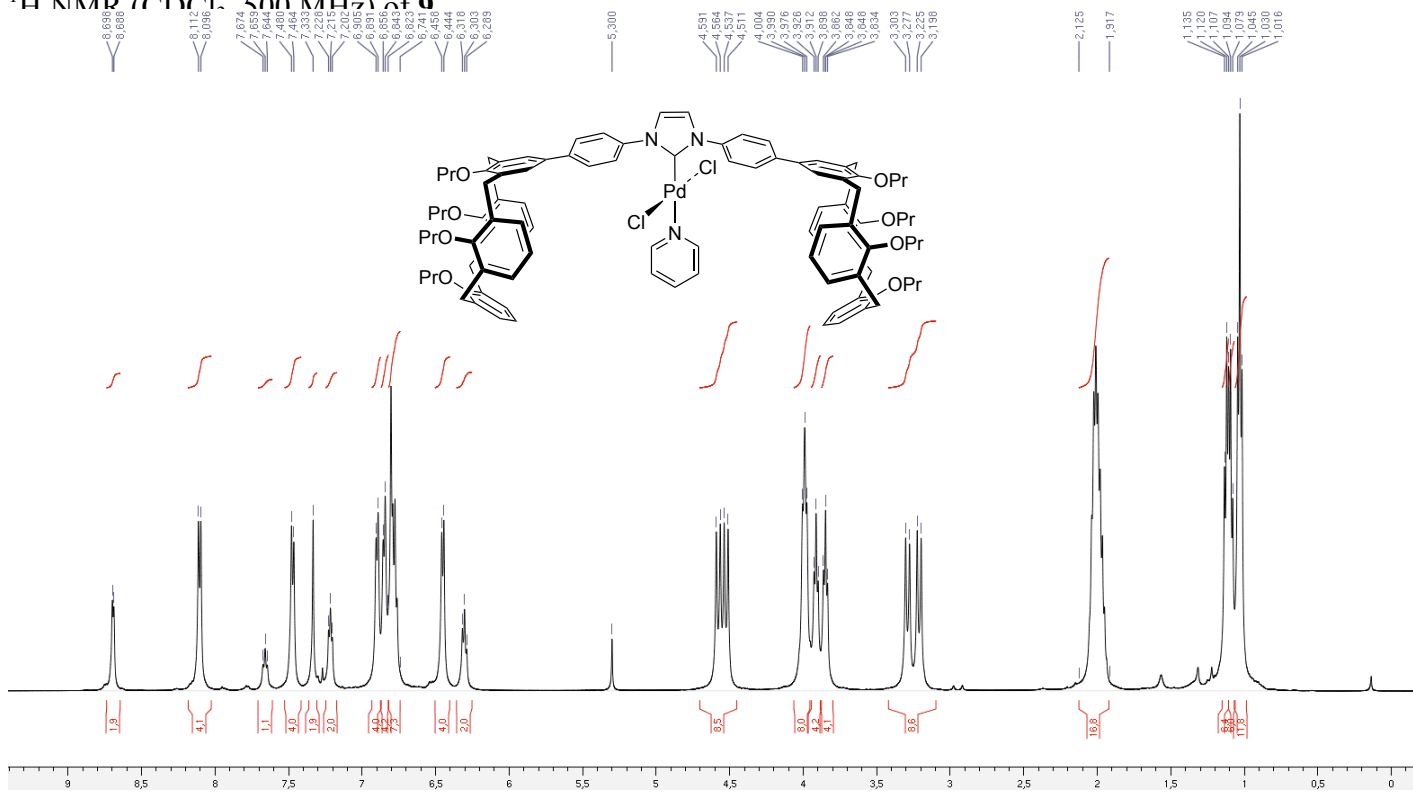
<sup>1</sup>H NMR (CDCl<sub>3</sub>, 500 MHz) of **8**



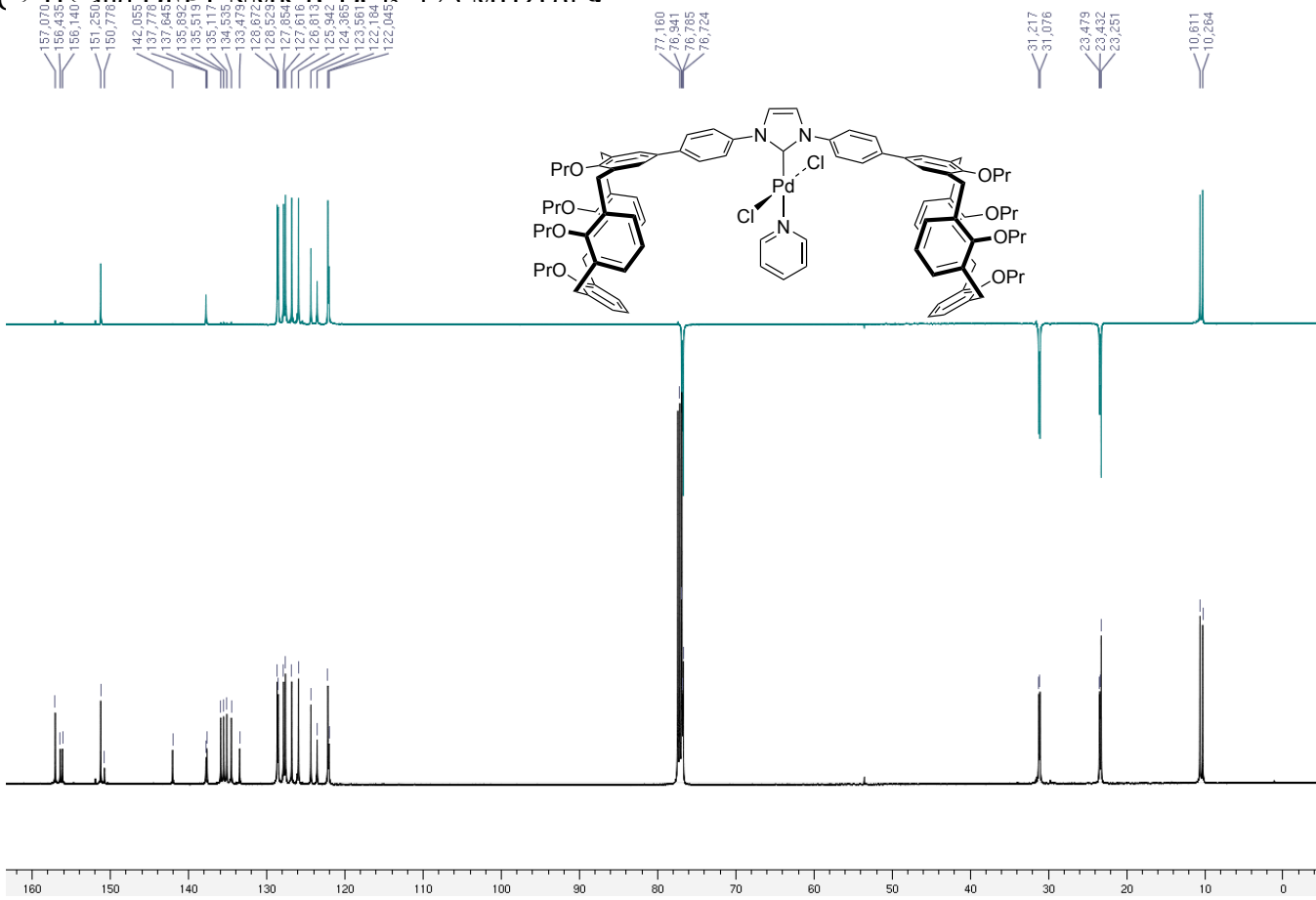
<sup>13</sup>C<sup>1</sup>H and DEPT NMR (CDCl<sub>3</sub>, 125 MHz) of **8**

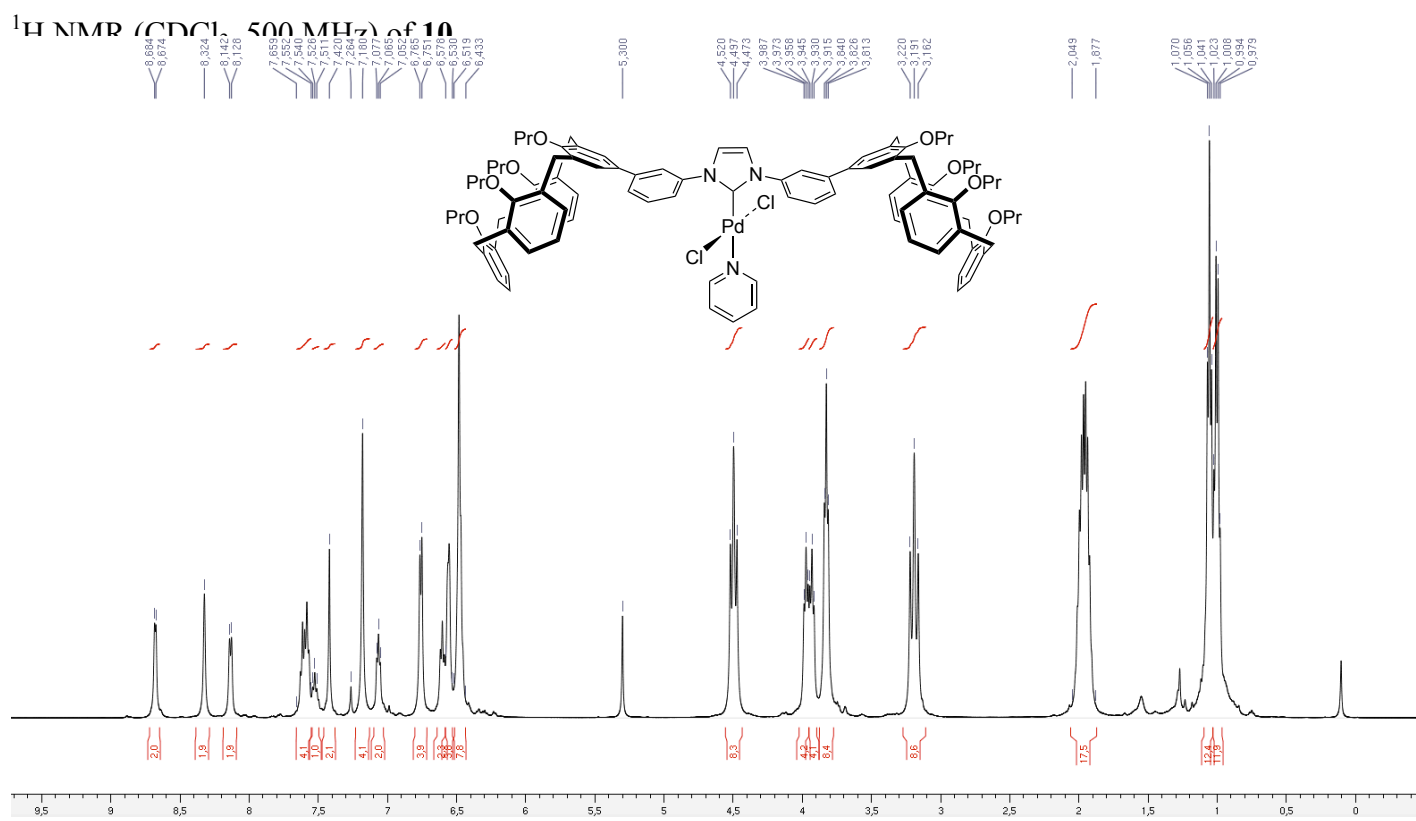


<sup>1</sup>H NMR (CDCl<sub>3</sub>, 500 MHz) of **6**

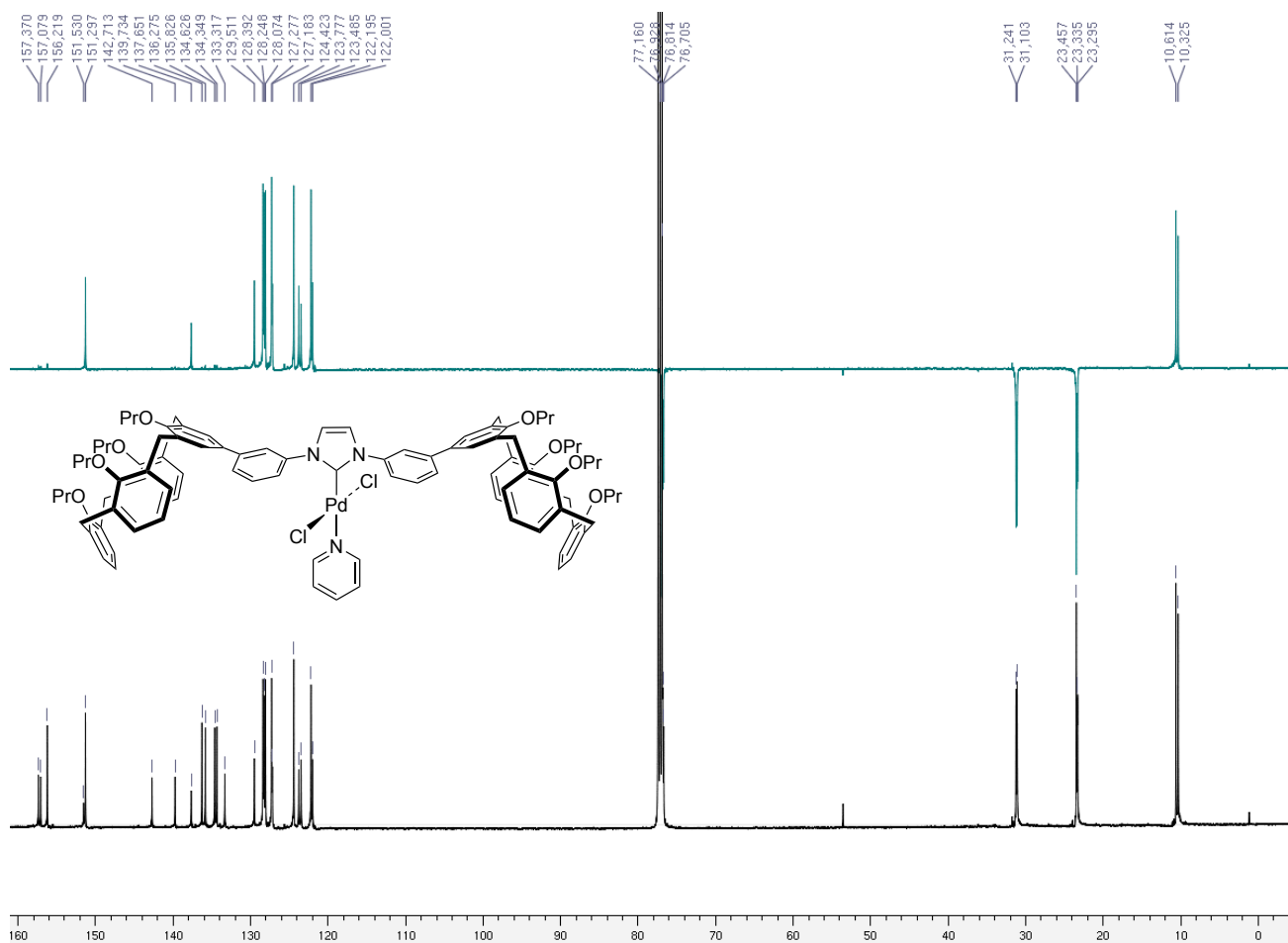


<sup>13</sup>C NMR and DEPT NMR (CDCl<sub>3</sub>, 125 MHz) of **6**





<sup>13</sup>C{<sup>1</sup>H} and DEPT NMR (CDCl<sub>3</sub>, 125 MHz) of **10**



Calculated, optimised structure of complex **9** (with the propyl groups replaced with methyl groups)

