

## Supplementary Materials

# Fluorinated Organic Paramagnetic Building Blocks for Cross-Coupling Reactions

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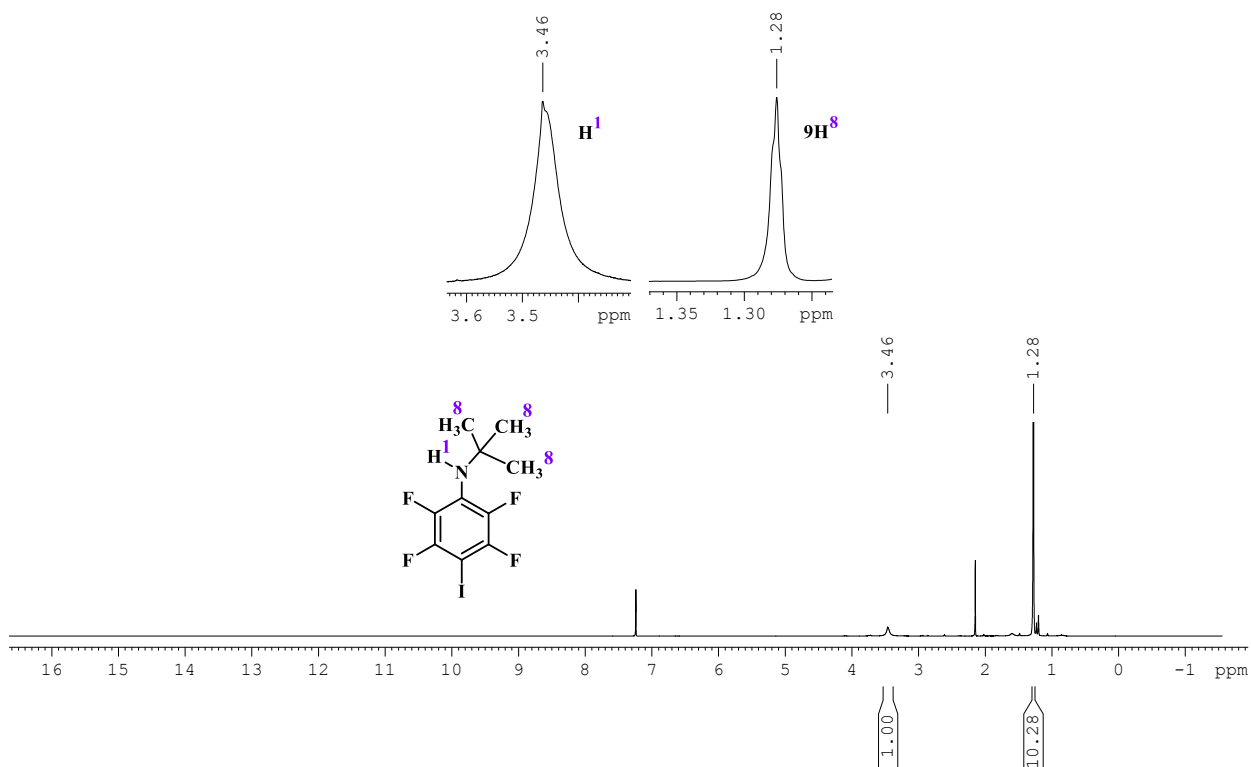
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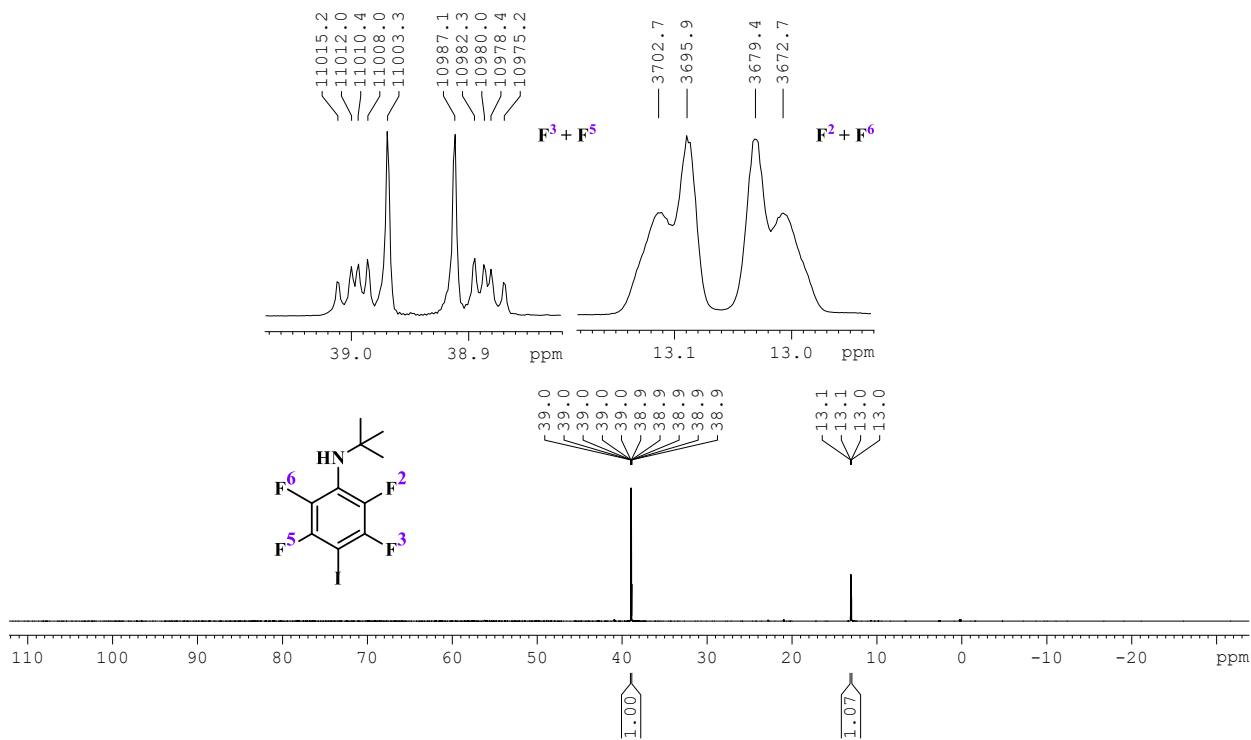
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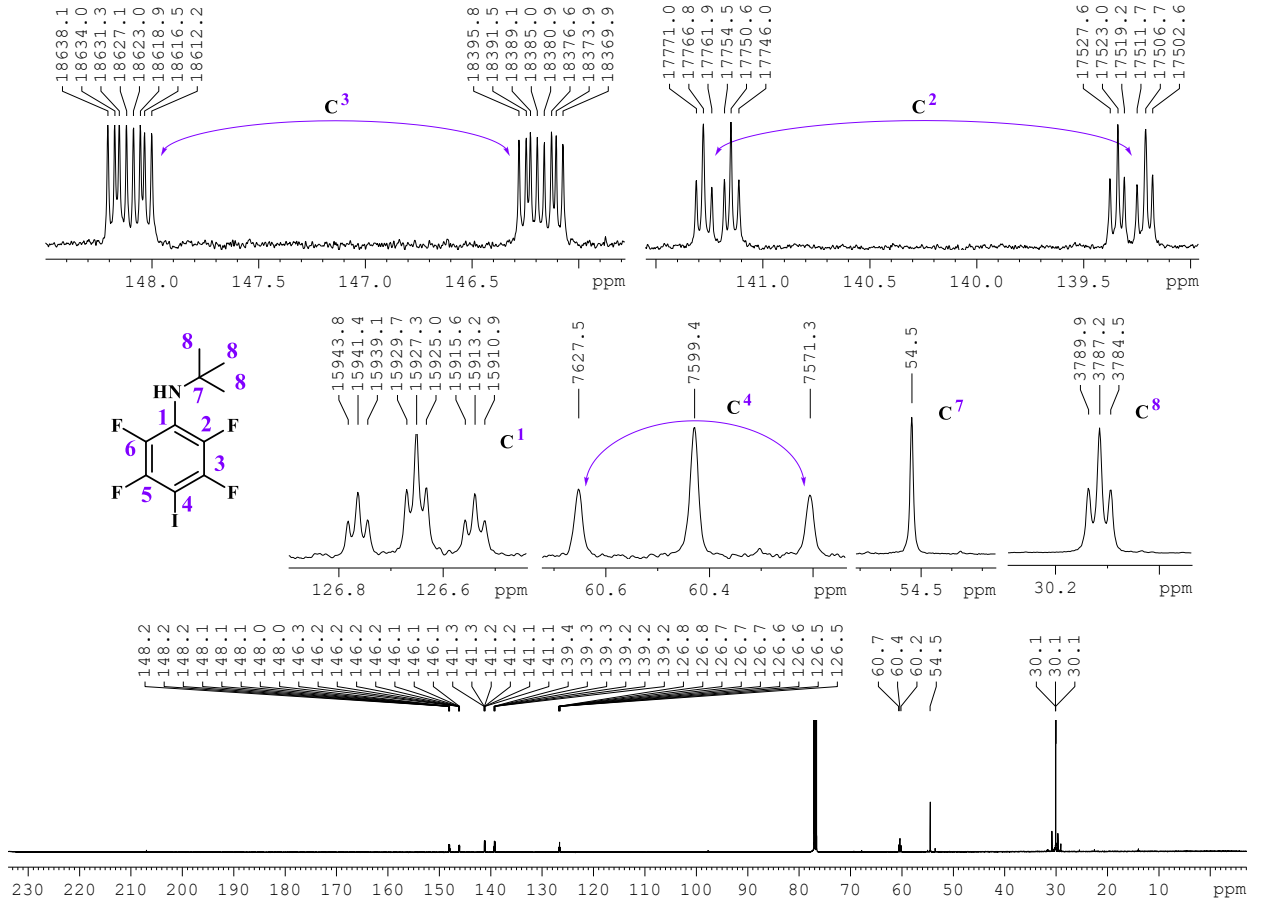
NMR spectra.....	S2
IR spectrum of ([Cu(hfac) <sub>2</sub> ( <b>4</b> ) <sub>2</sub> ].....	S7

$^1\text{H}$  NMR spectra ( $\text{CDCl}_3$ , residual  $\text{CHCl}_3$   $\delta_{\text{H}} = 7.26$  ppm) Bruker Avance-300 (300.13 MHz) of **1**

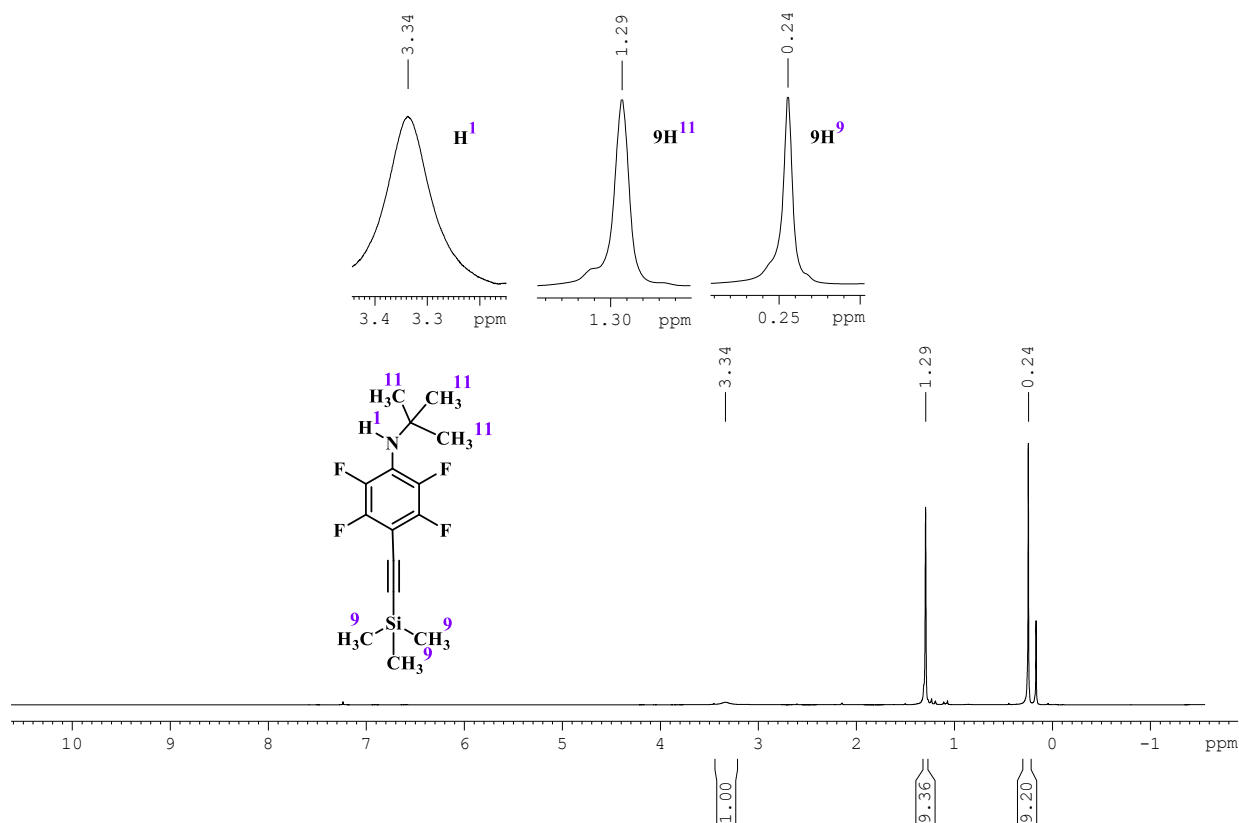


$^{19}\text{F}$  NMR spectra ( $\text{CDCl}_3$ ,  $\text{C}_6\text{F}_6$   $\delta_{\text{F}} = 0.0$  ppm) (Bruker Avance-300 (282.37 MHz) of **1**

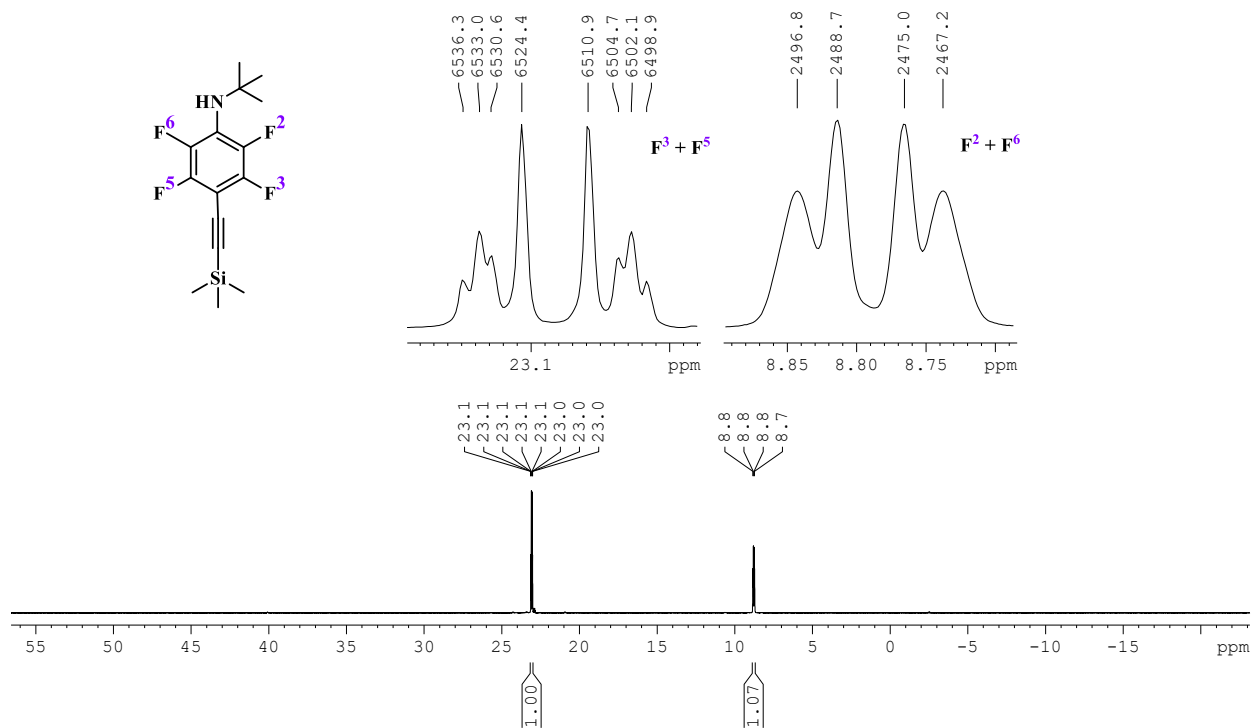


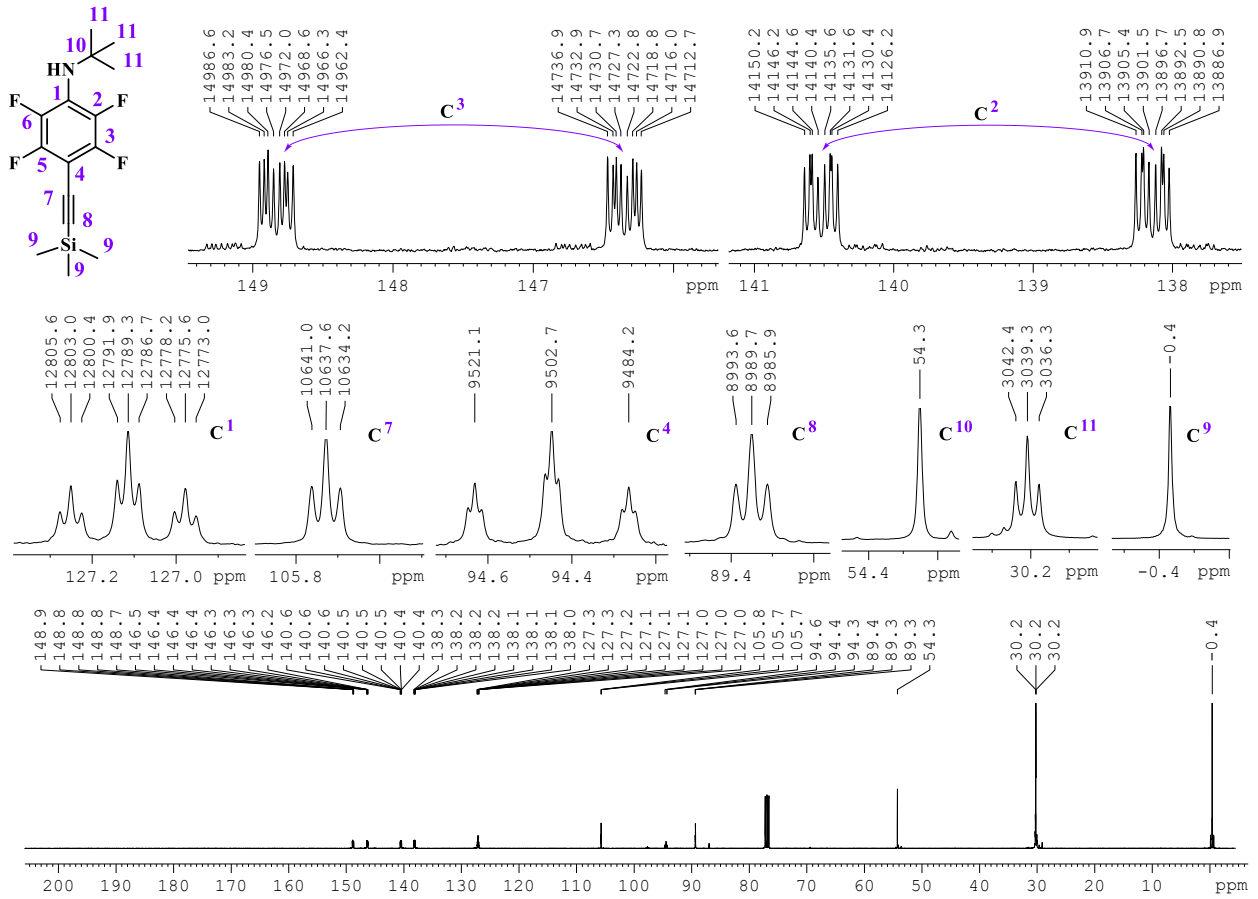
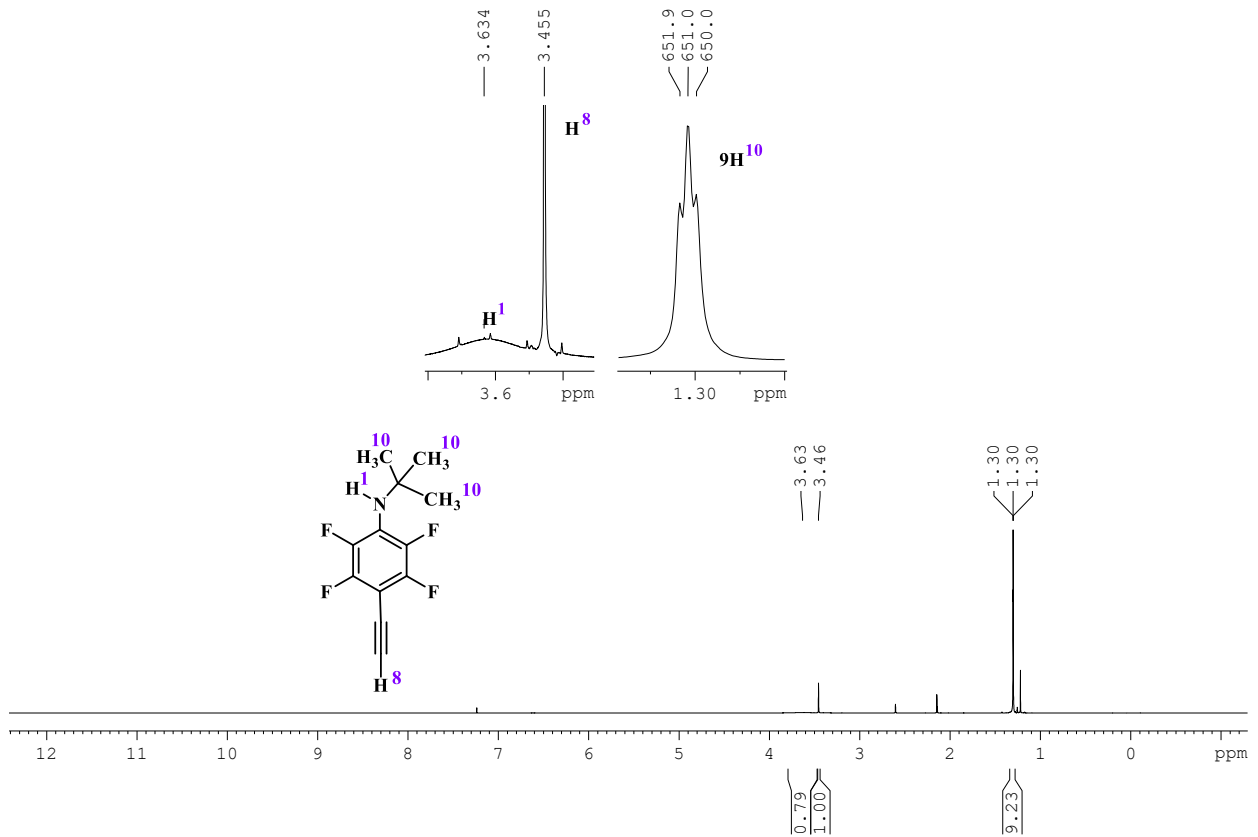
$^{13}\text{C}$  NMR spectra ( $\text{CDCl}_3$ ,  $\delta_c = 77.0$  ppm) Bruker DRX-500 (126 MHz) of **1**

$^1\text{H}$  NMR spectra ( $\text{CDCl}_3$ , residual  $\text{CHCl}_3$   $\delta_{\text{H}} = 7.26$  ppm) Bruker Avance-300 (300.13 MHz) of **2**

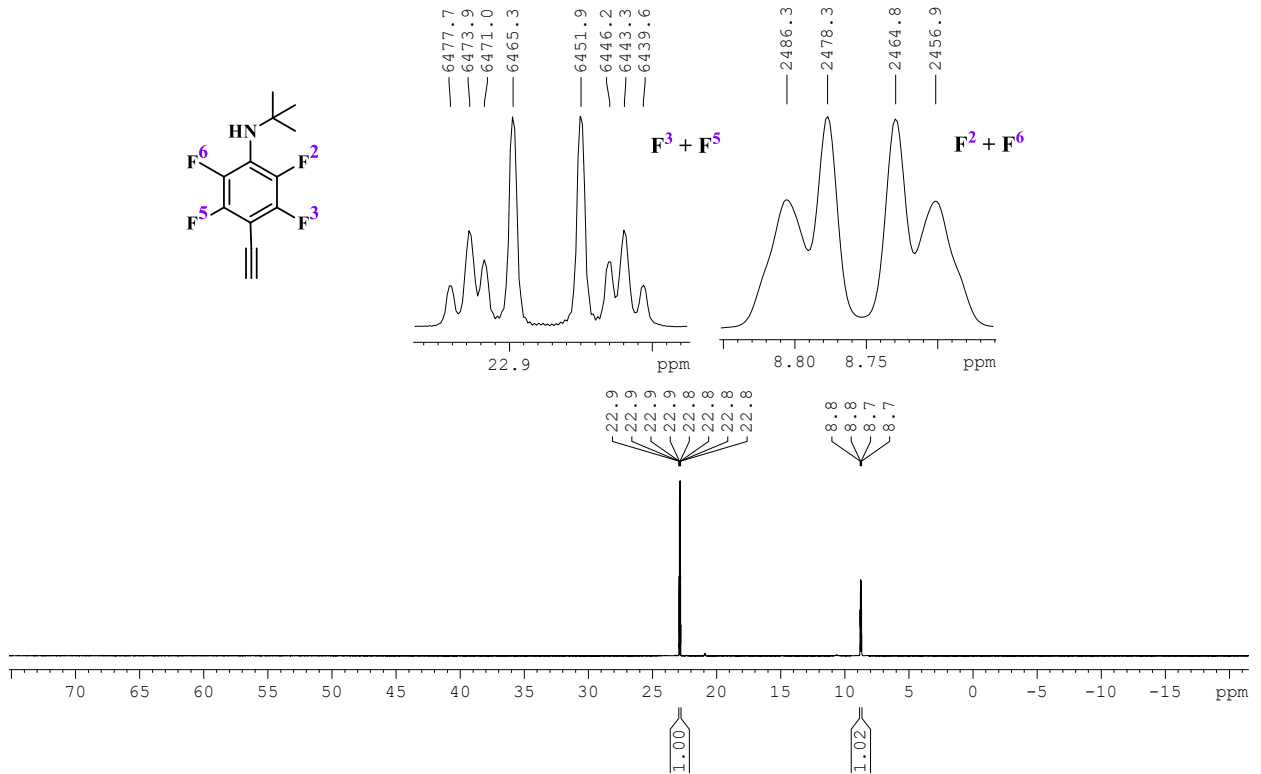


$^{19}\text{F}$  NMR spectra ( $\text{CDCl}_3$ ,  $\text{C}_6\text{F}_6$   $\delta_{\text{F}} = 0.0$  ppm) Bruker Avance-300 (282.37 MHz) of **2**



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$^{19}\text{F}$  NMR spectra ( $\text{CDCl}_3$ ,  $\text{C}_6\text{F}_6$   $\delta_{\text{F}} = 0.0$  ppm) Bruker Avance-300 (282.37 MHz) of **3**



$^{13}\text{C}$  NMR spectra ( $\text{CDCl}_3$ ,  $\delta_{\text{C}} = 77.0$  ppm) Bruker DRX-500 (126 MHz) of **3**

