

**Tuning the electronic properties of cyclopentadienyl analogs with CB<sub>2</sub>N<sub>2</sub>  
frameworks: 1,2-diphenyl-1,2-diaza-3,5-diborolyl ligands and their alkali  
metal salts**

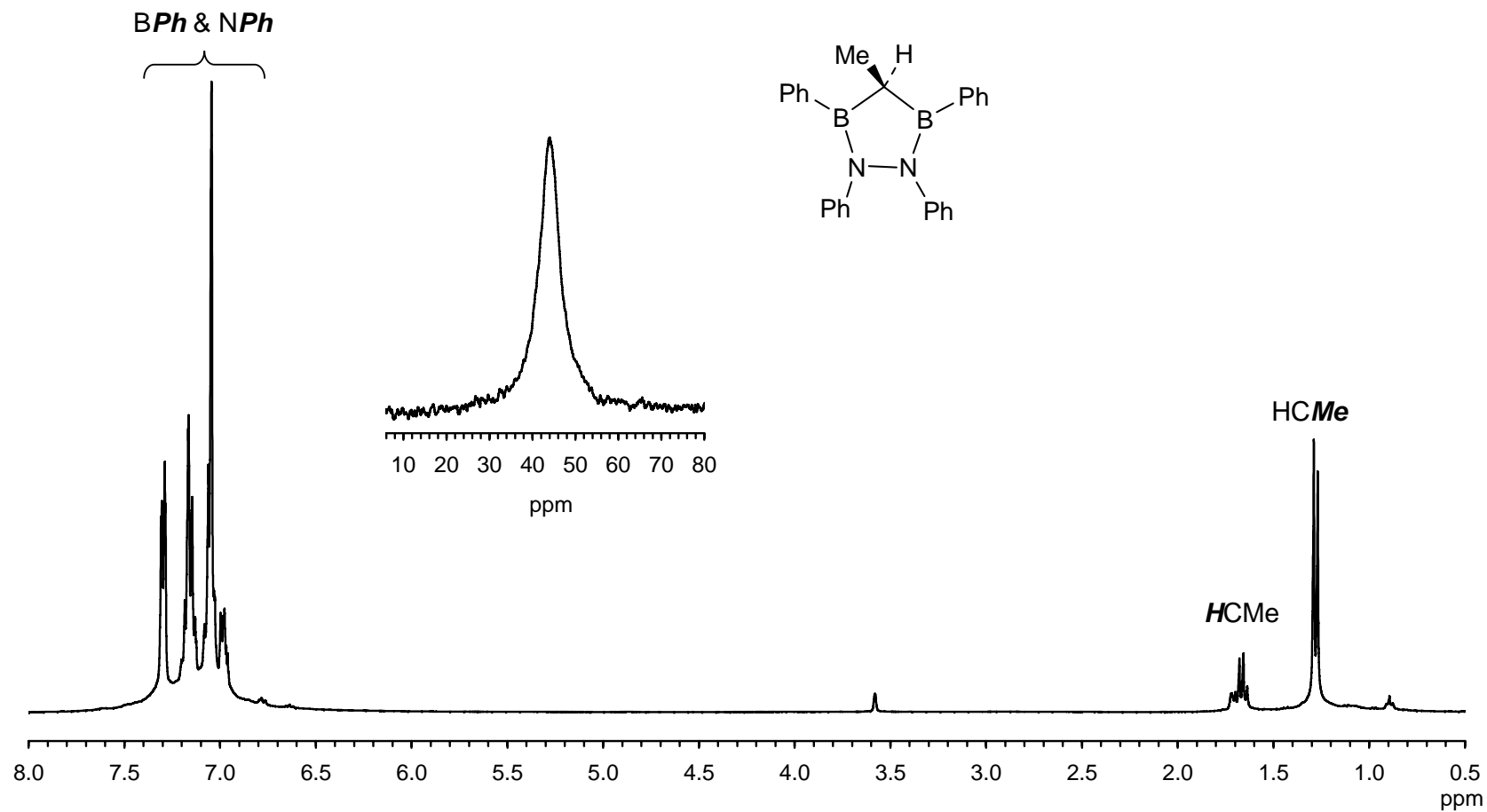
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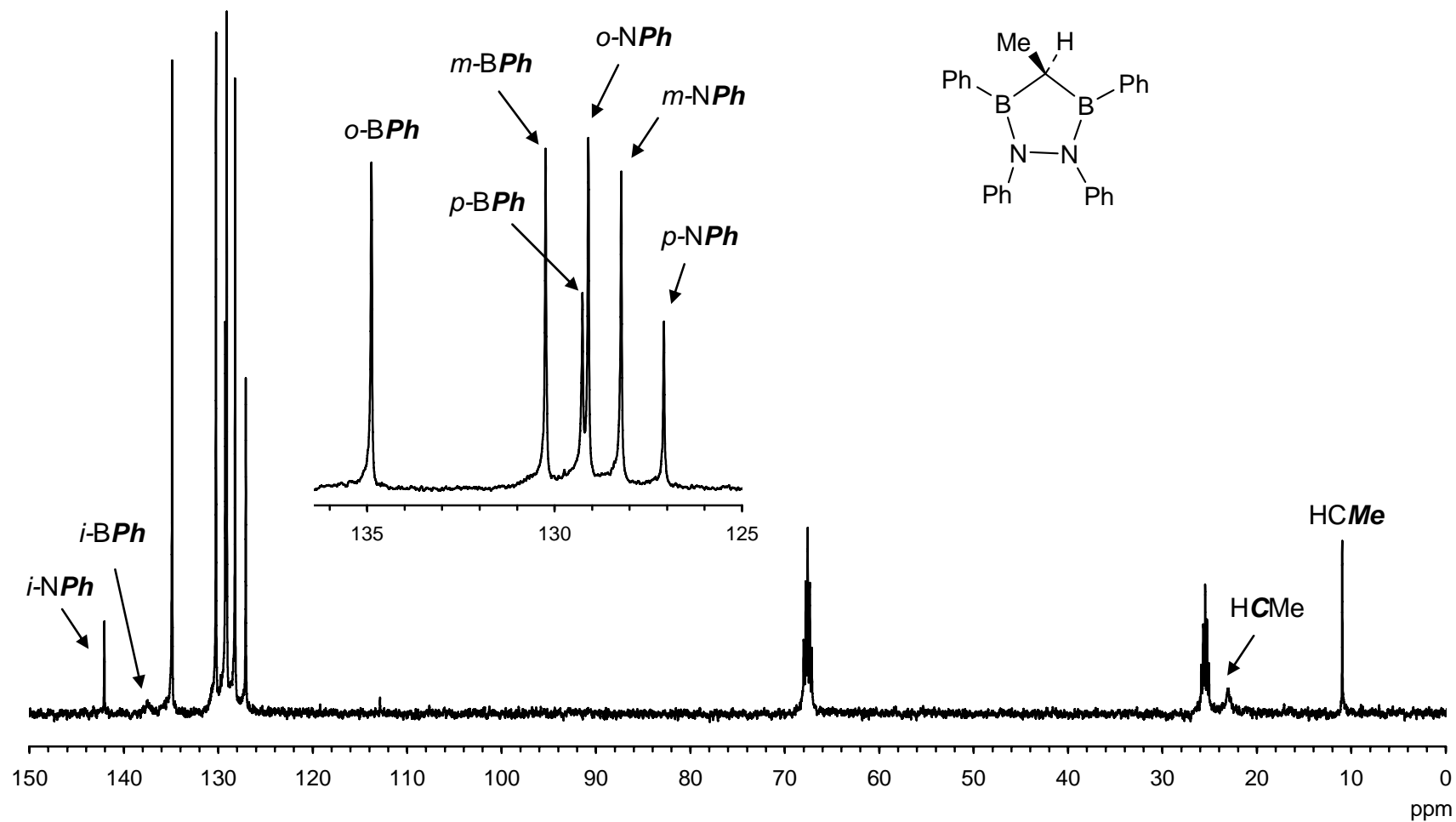
*- Supporting Information -*

<sup>1</sup>H, <sup>7</sup>Li, <sup>11</sup>B and <sup>13</sup>C NMR spectra of derivatives **1**, **2**, **3a**, **3b** and **3c**.

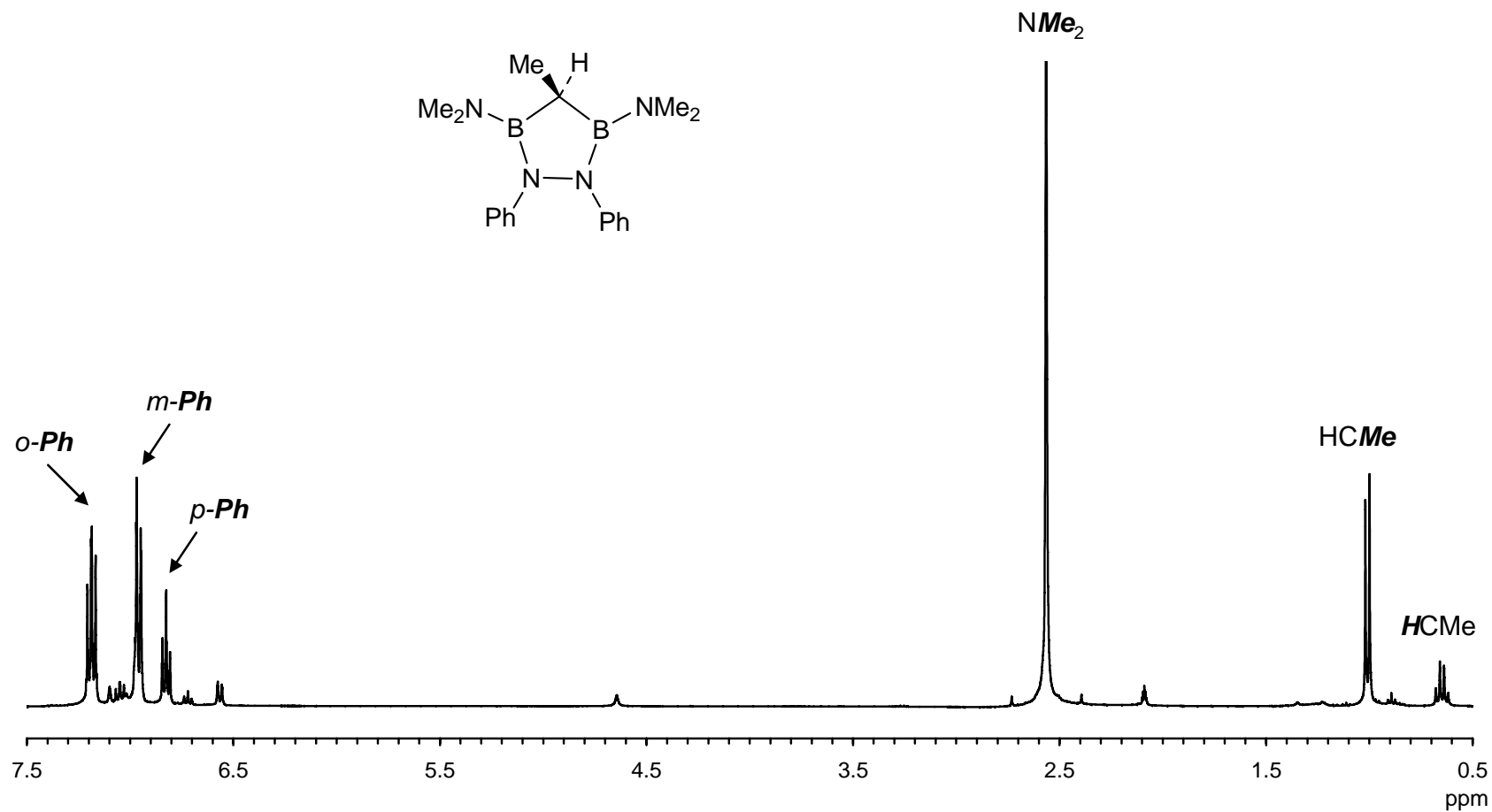
$^1\text{H}$  and  $^{11}\text{B}$  NMR Spectra of 1,2,3,5-Tetraphenyl-1,2-diaza-3,5-diborolidine (**1**)



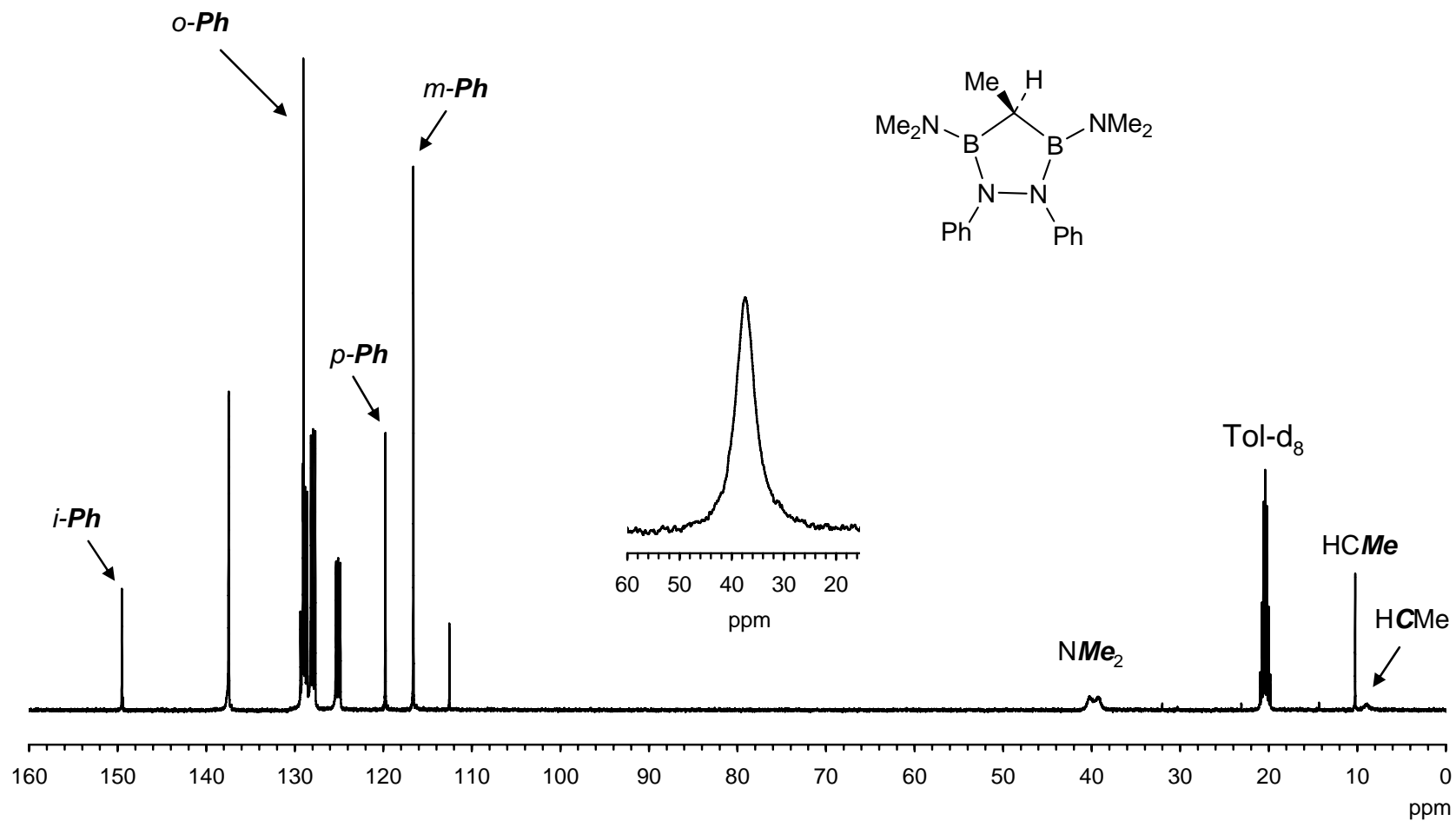
$^{13}\text{C}$  NMR Spectrum of 1,2,3,5-Tetraphenyl-1,2-diaza-3,5-diborolidine (**1**)



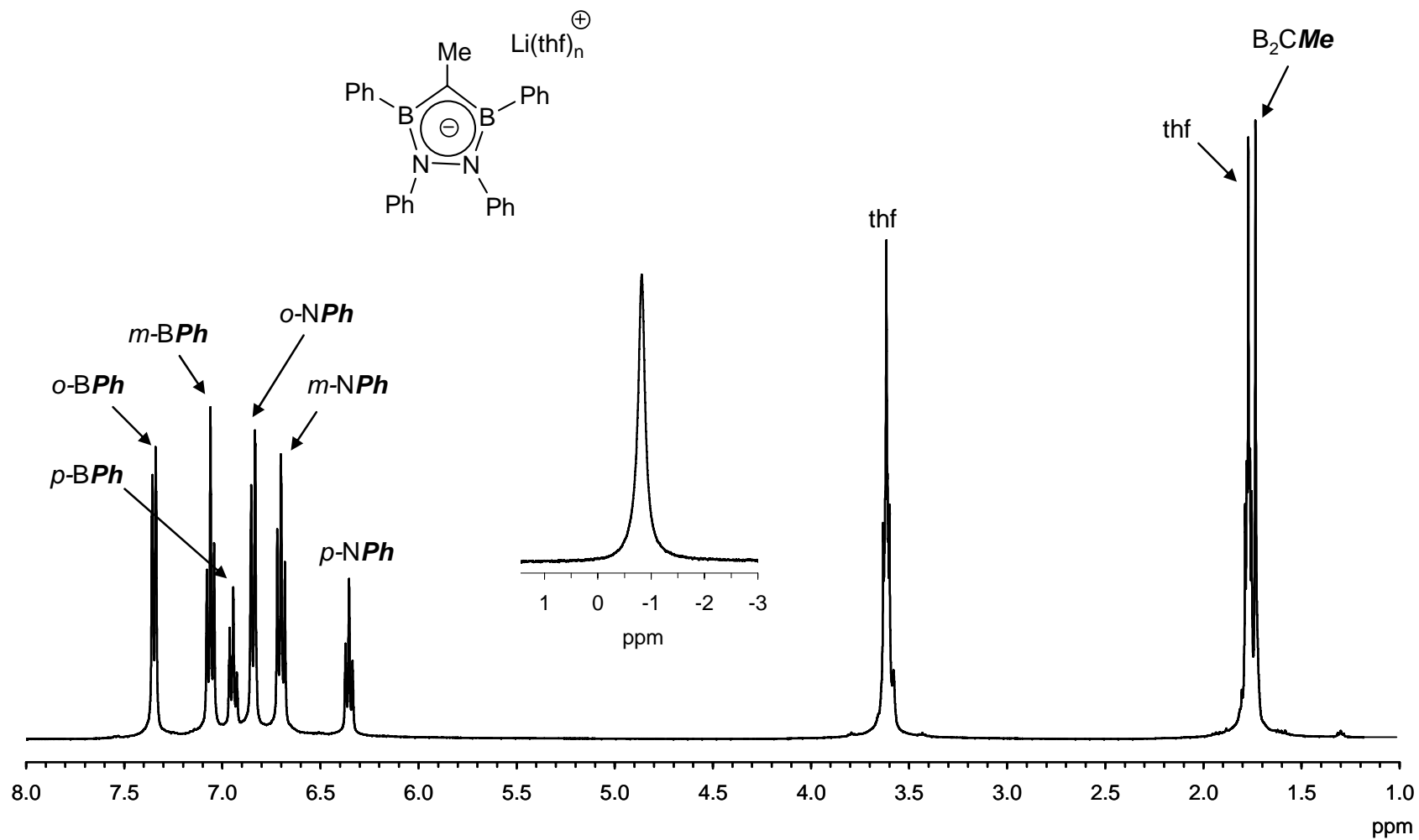
$^1\text{H}$  NMR Spectrum of 1,2-Diphenyl-3,5-dimethylamino-1,2-diaza-3,5-diborolidine (**2**)



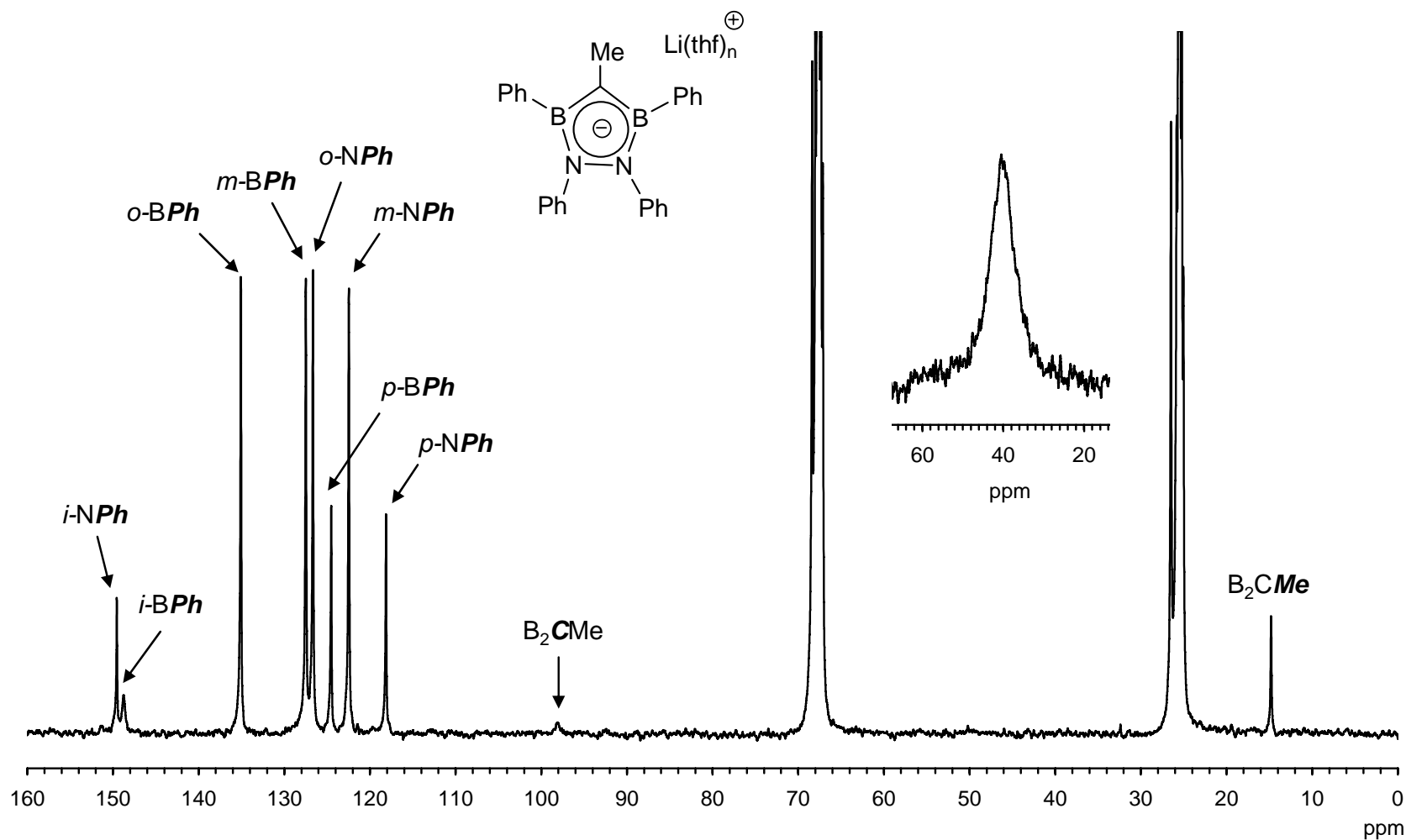
$^{11}\text{B}$  and  $^{13}\text{C}$  NMR Spectra of 1,2-Diphenyl-3,5-dimethylamino-1,2-diaza-3,5-diborolidine (**2**)



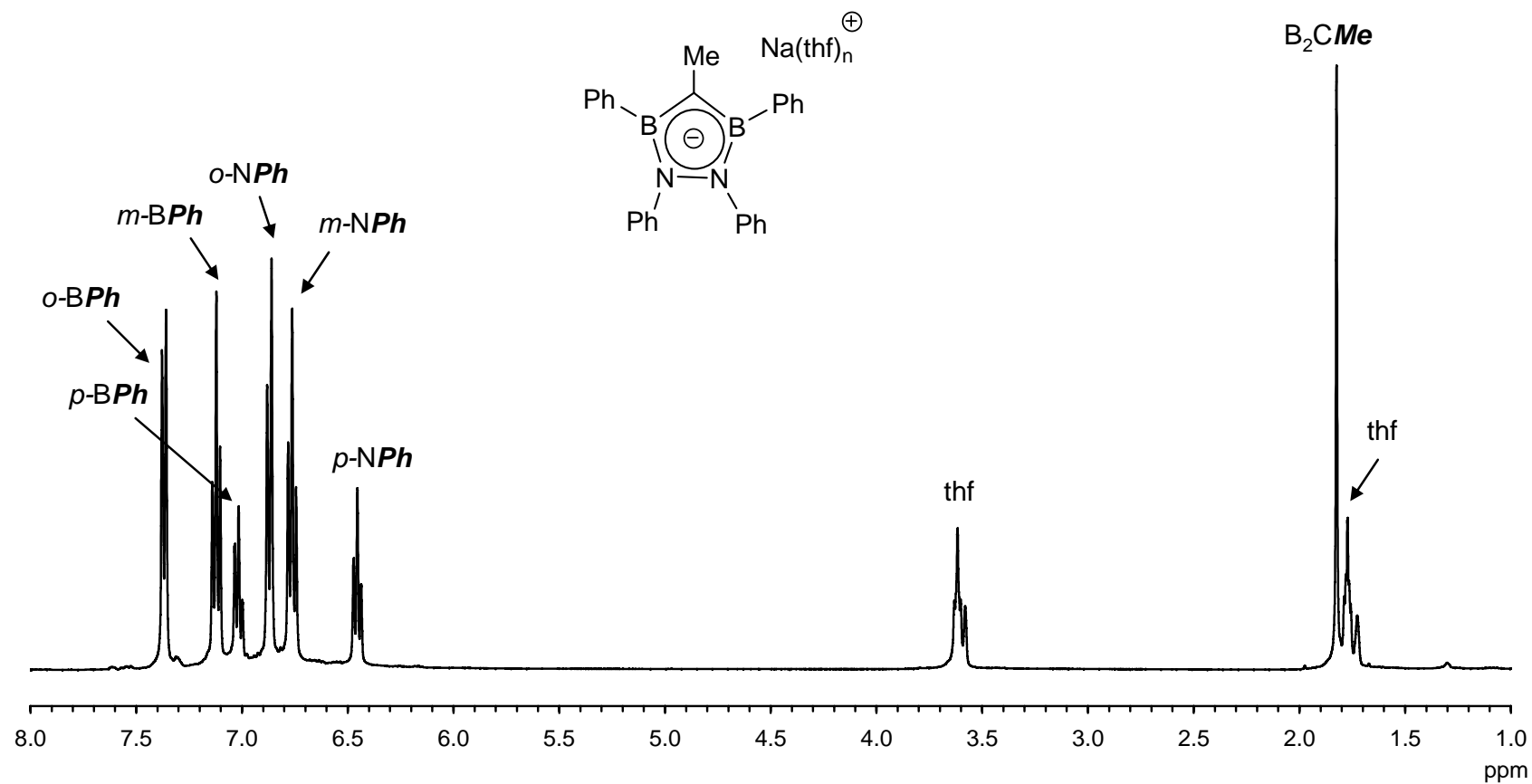
$^1\text{H}$  and  $^7\text{Li}$  NMR Spectra of 1,2,3,5-Tetraphenyl-1,2-diaza-3,5-diborolyllithium (**3a**)



$^{11}\text{B}$  and  $^{13}\text{C}$  NMR Spectra of 1,2,3,5-Tetraphenyl-1,2-diaza-3,5-diborolyllithium (**3a**)

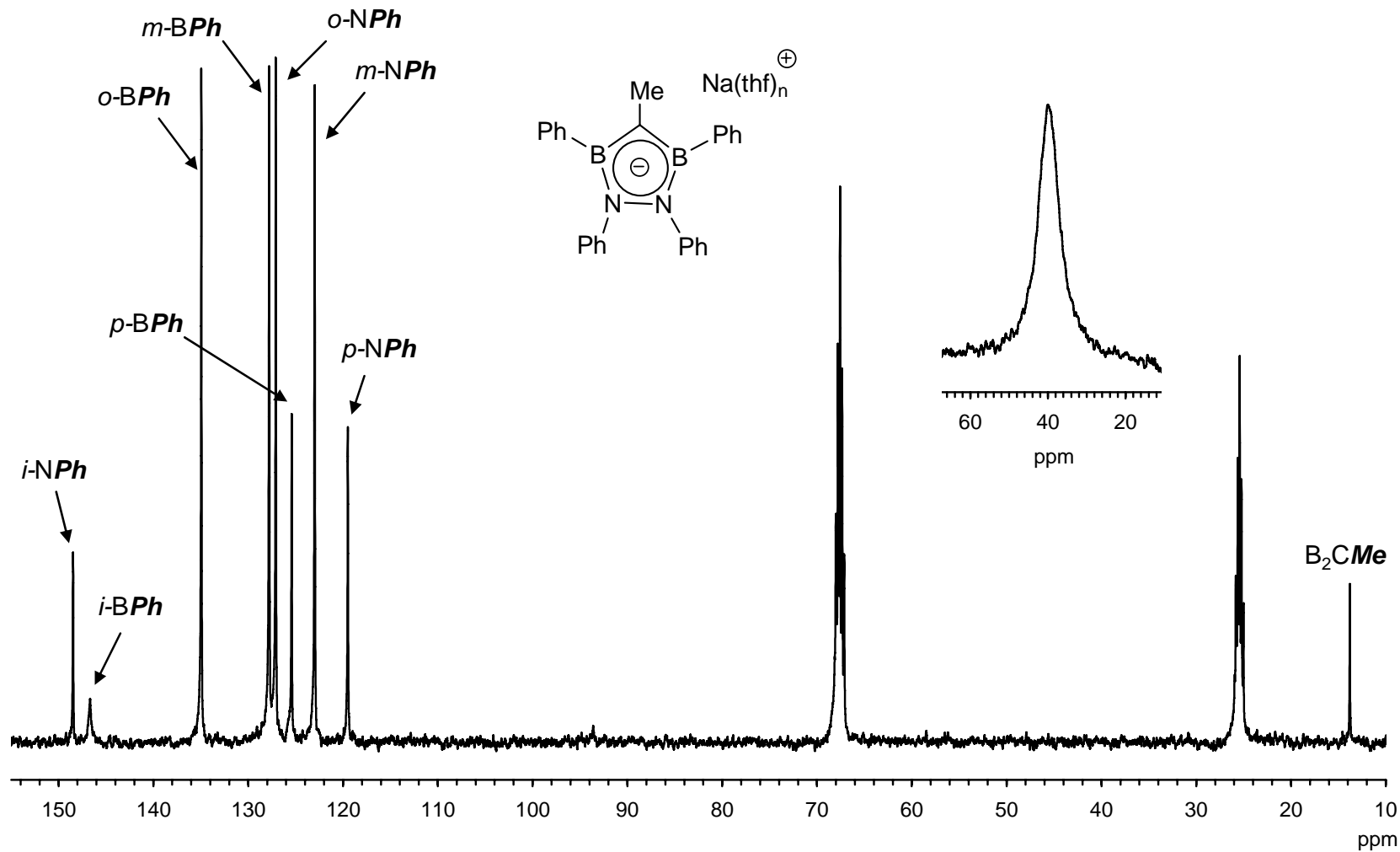


$^1\text{H}$  NMR Spectrum of 1,2,3,5-Tetraphenyl-1,2-diaza-3,5-diborolylium sodium (**3b**)

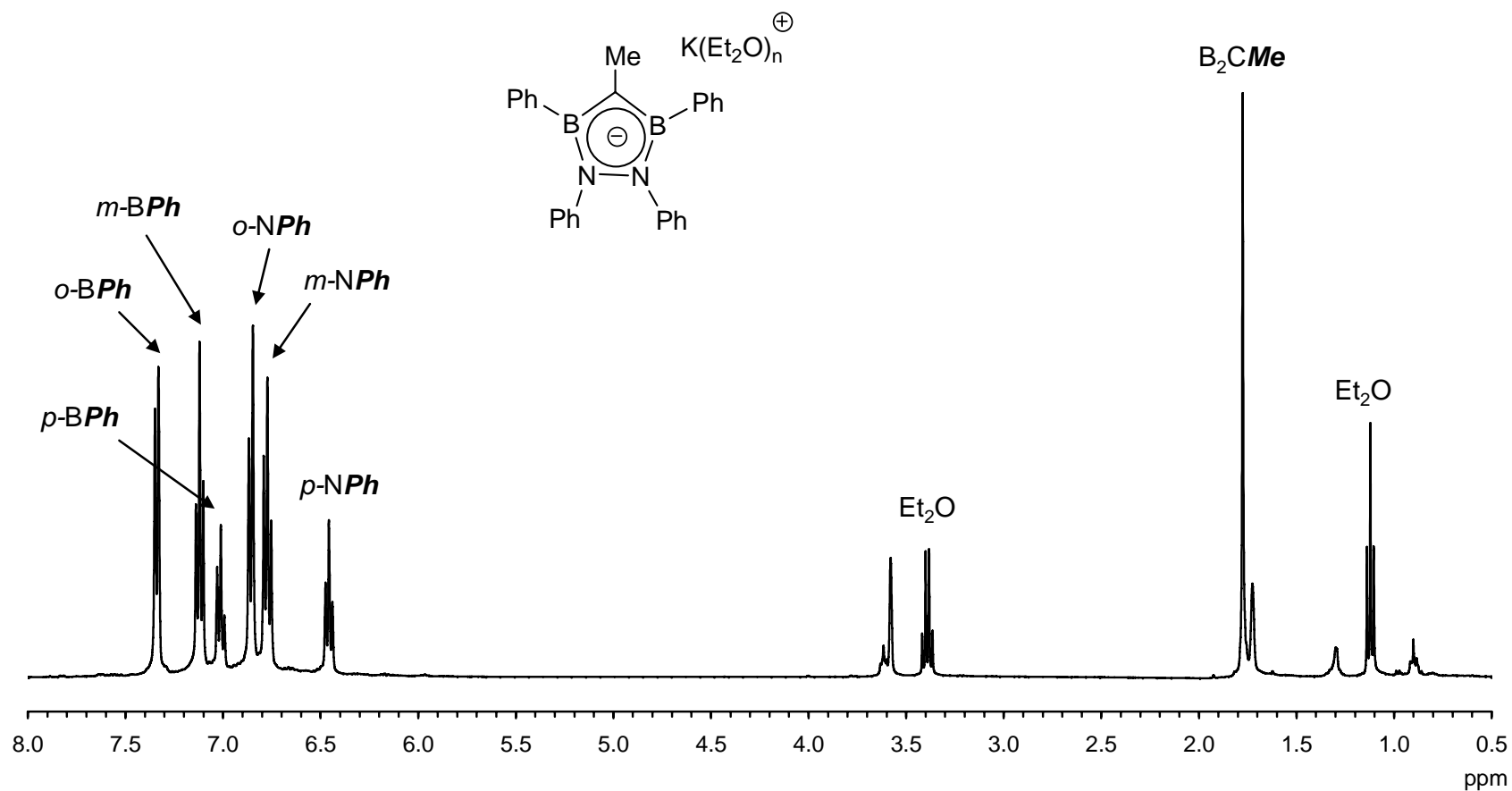




$^{11}\text{B}$  and  $^{13}\text{C}$  NMR Spectra of 1,2,3,5-Tetraphenyl-1,2-diaza-3,5-diborolylium sodium (**3b**)



$^1\text{H}$  NMR Spectrum of 1,2,3,5-Tetraphenyl-1,2-diaza-3,5-diborolympotassium (**3c**)



$^{11}\text{B}$  and  $^{13}\text{C}$  NMR Spectra of 1,2,3,5-Tetraphenyl-1,2-diaza-3,5-diborolympotassium (**3c**)

