

Supplementary Material

Anagostic Interactions in Alkylfluorenyl-Substituted *N*-Heterocyclic Carbene Complexes of Palladium(II)

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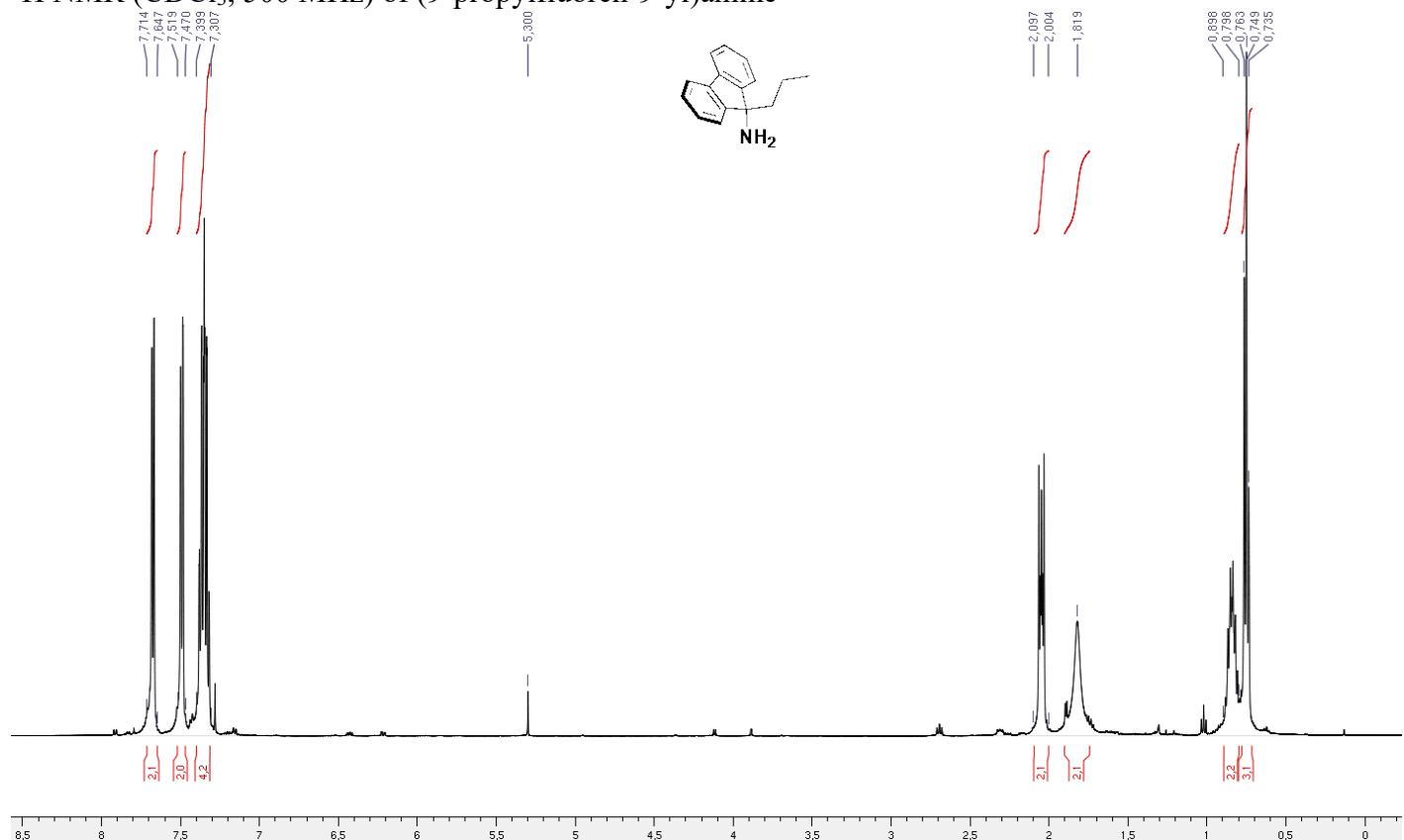
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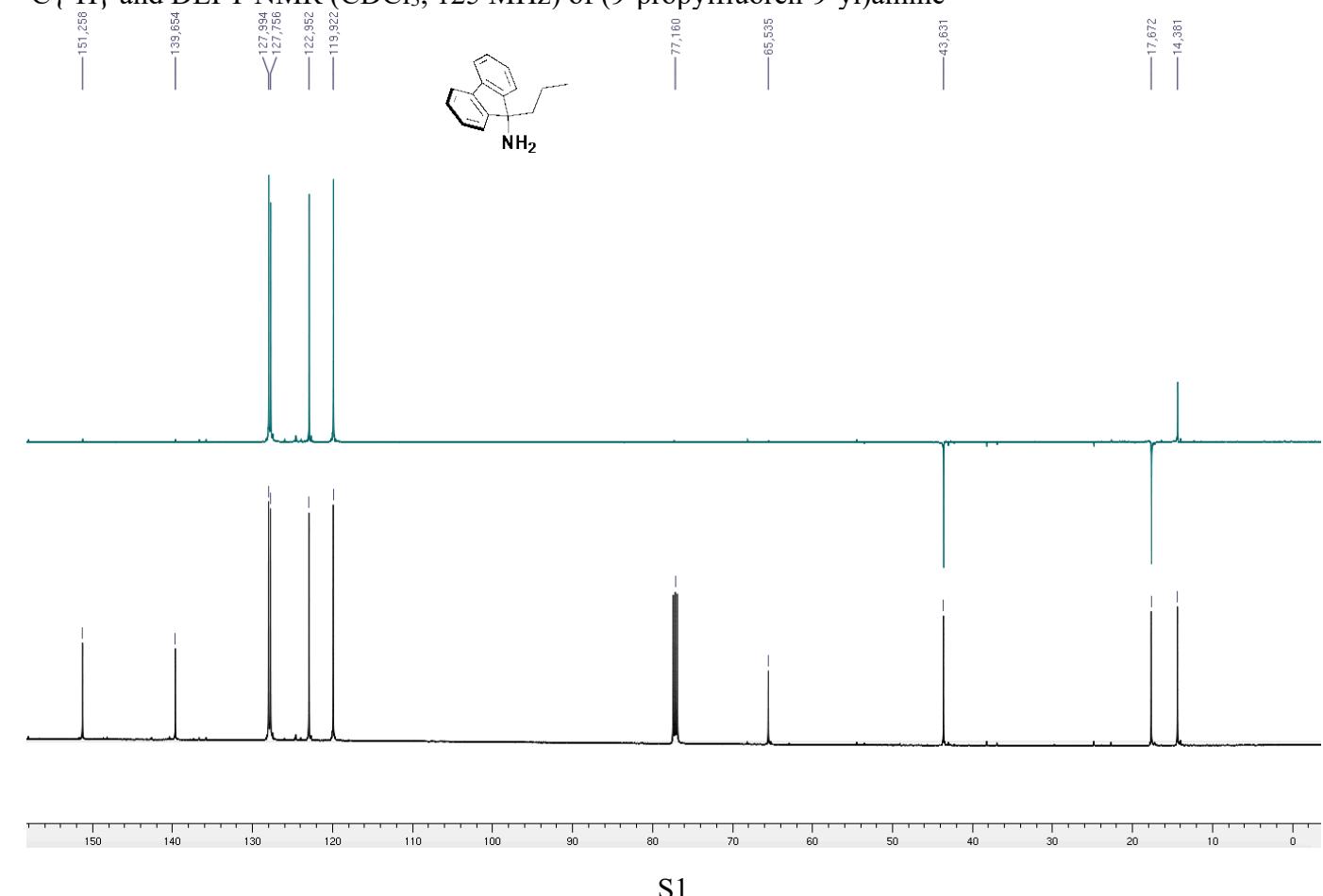
Contents:

¹ H, ¹³ C{ ¹ H} and ¹⁹ F NMR spectra.....	S1-S5
(9-propylfluoren-9-yl)amine	S1
Imidazolium 1	S2
Complex 2	S3
Complex 3	S4
Optimised (DFT) structure and molecular structure of complex 2	S6

¹H NMR (CDCl₃, 500 MHz) of (9-propylfluoren-9-yl)amine

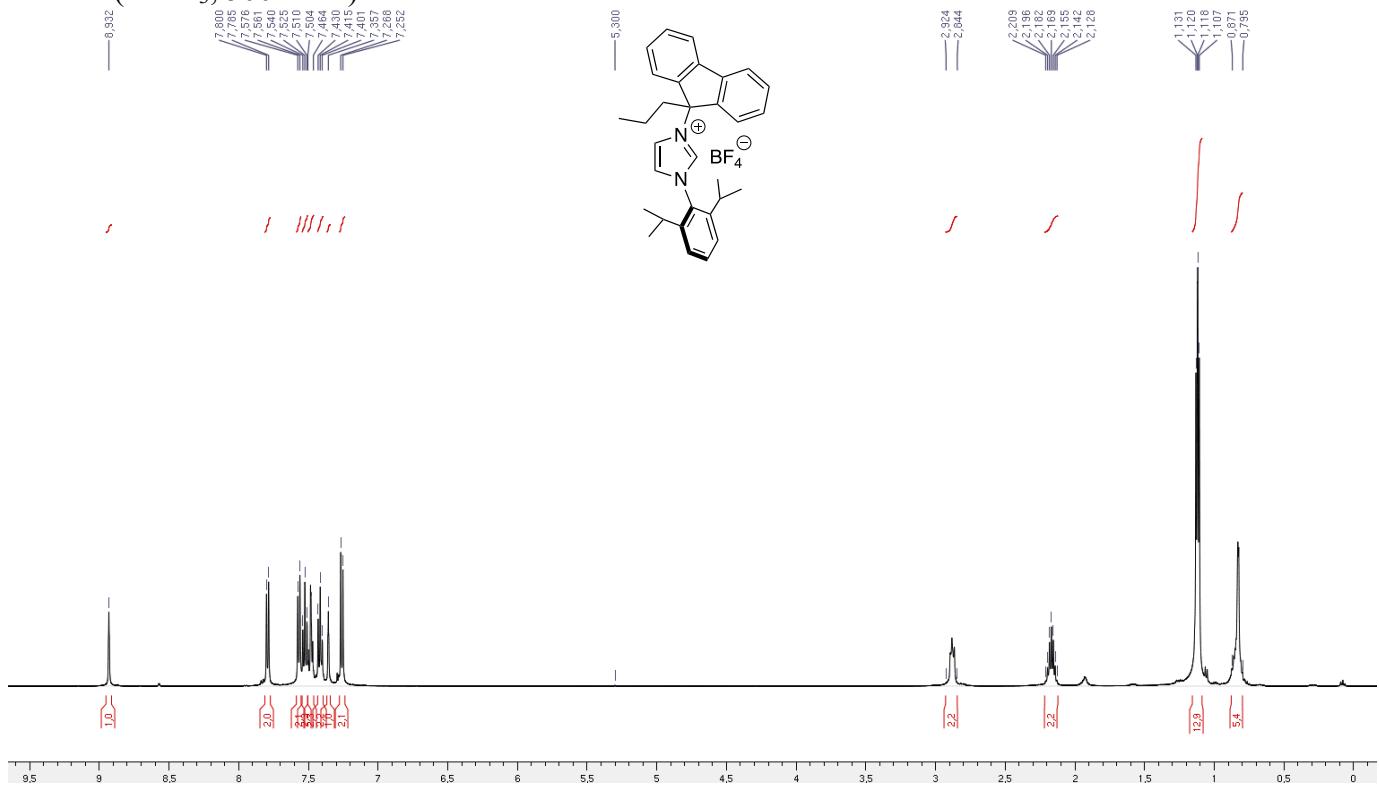


¹³C{¹H} and DEPT NMR (CDCl₃, 125 MHz) of (9-propylfluoren-9-yl)amine

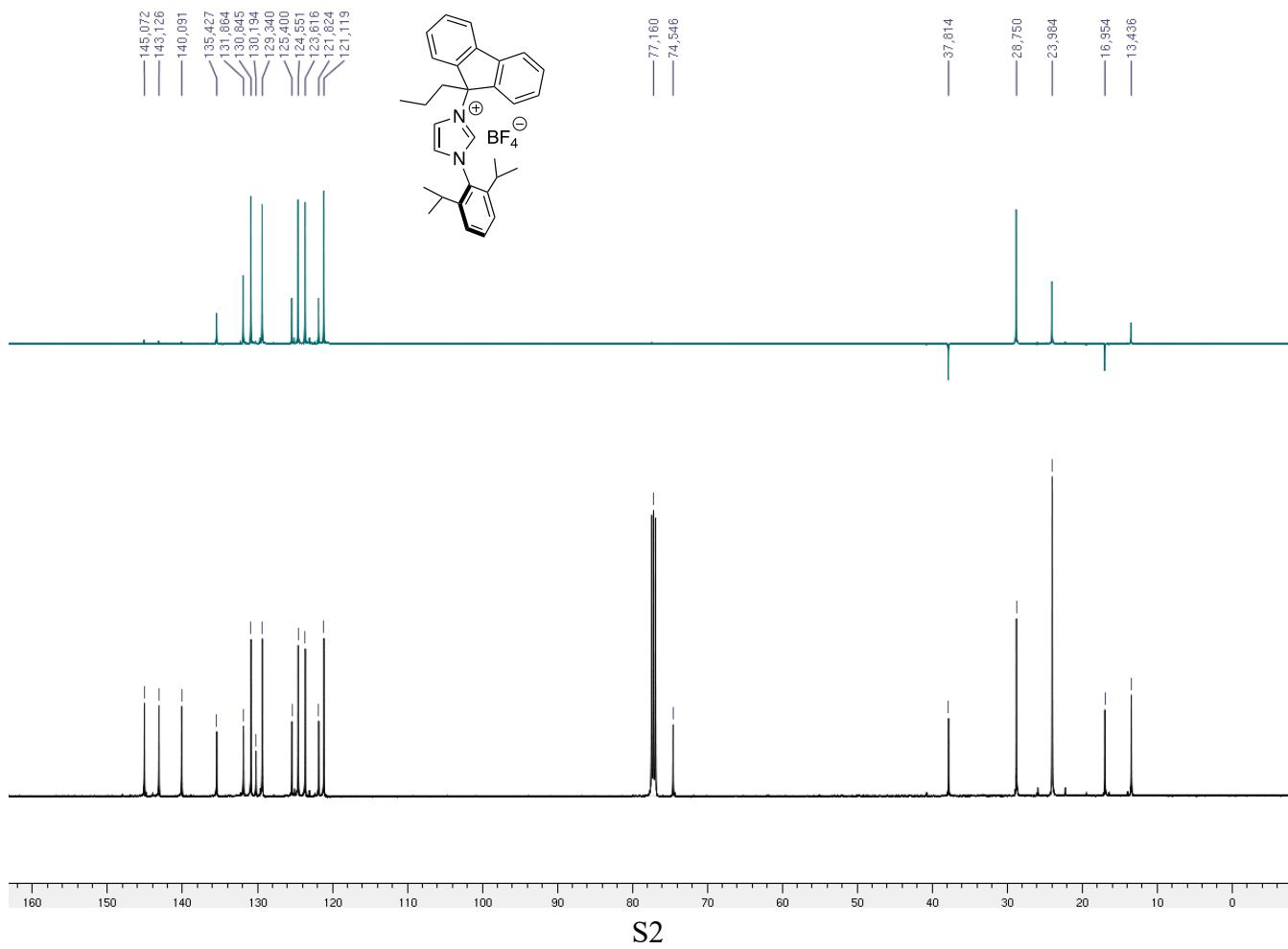


S1

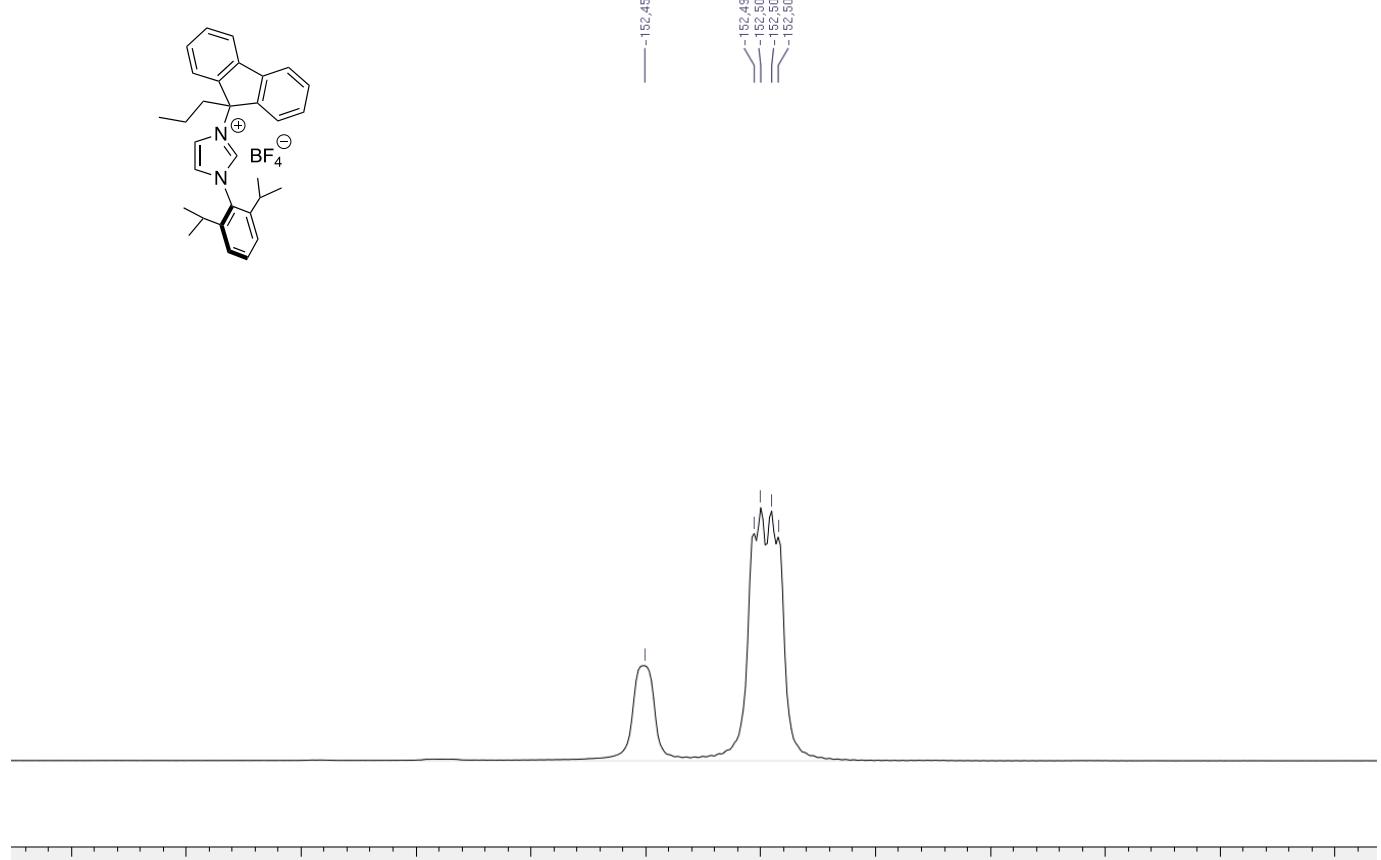
^1H NMR (CDCl_3 , 500 MHz) of imidazolium **1**



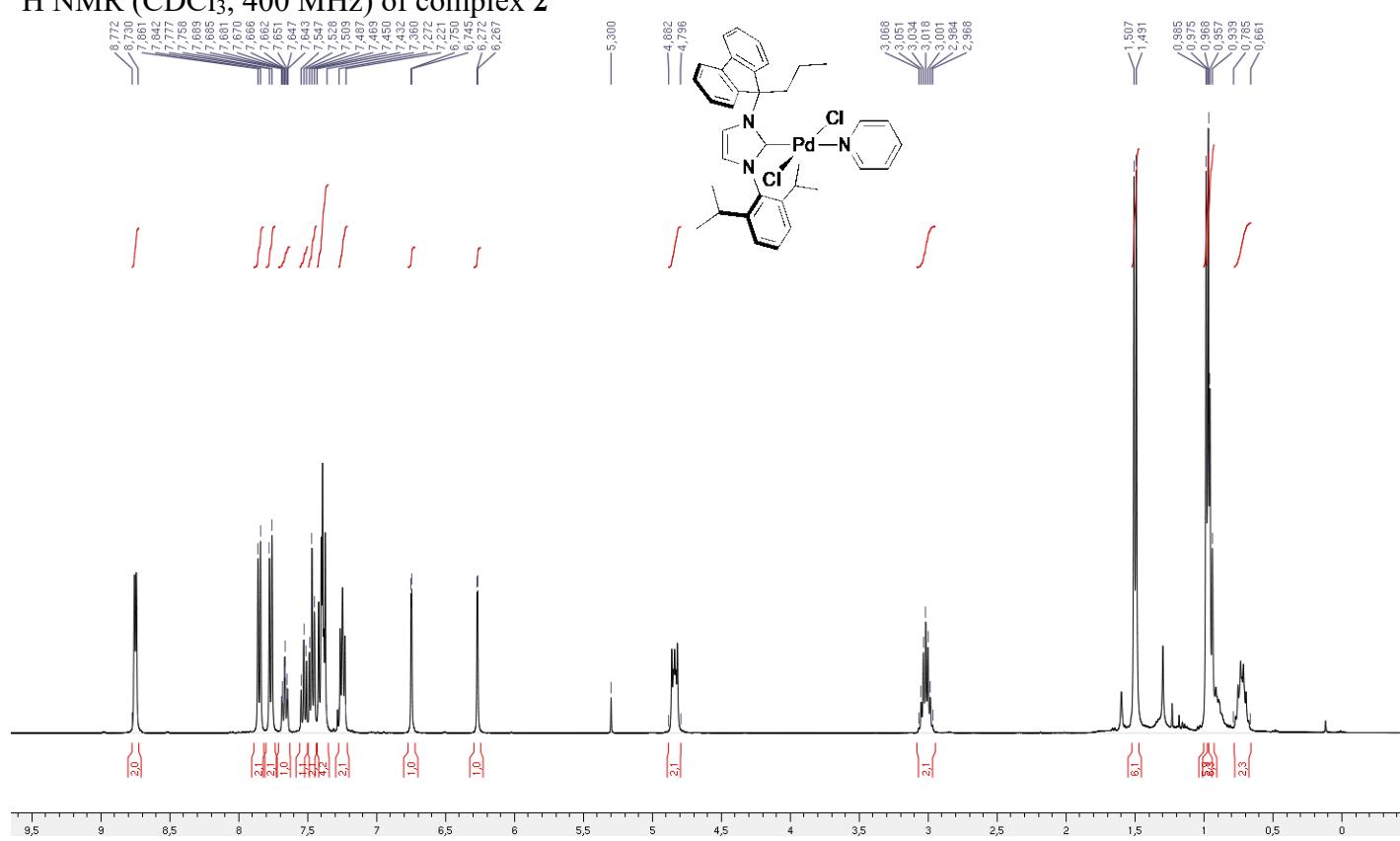
$^{13}\text{C}\{^1\text{H}\}$ and DEPT NMR (CDCl_3 , 125 MHz) of imidazolium **1**



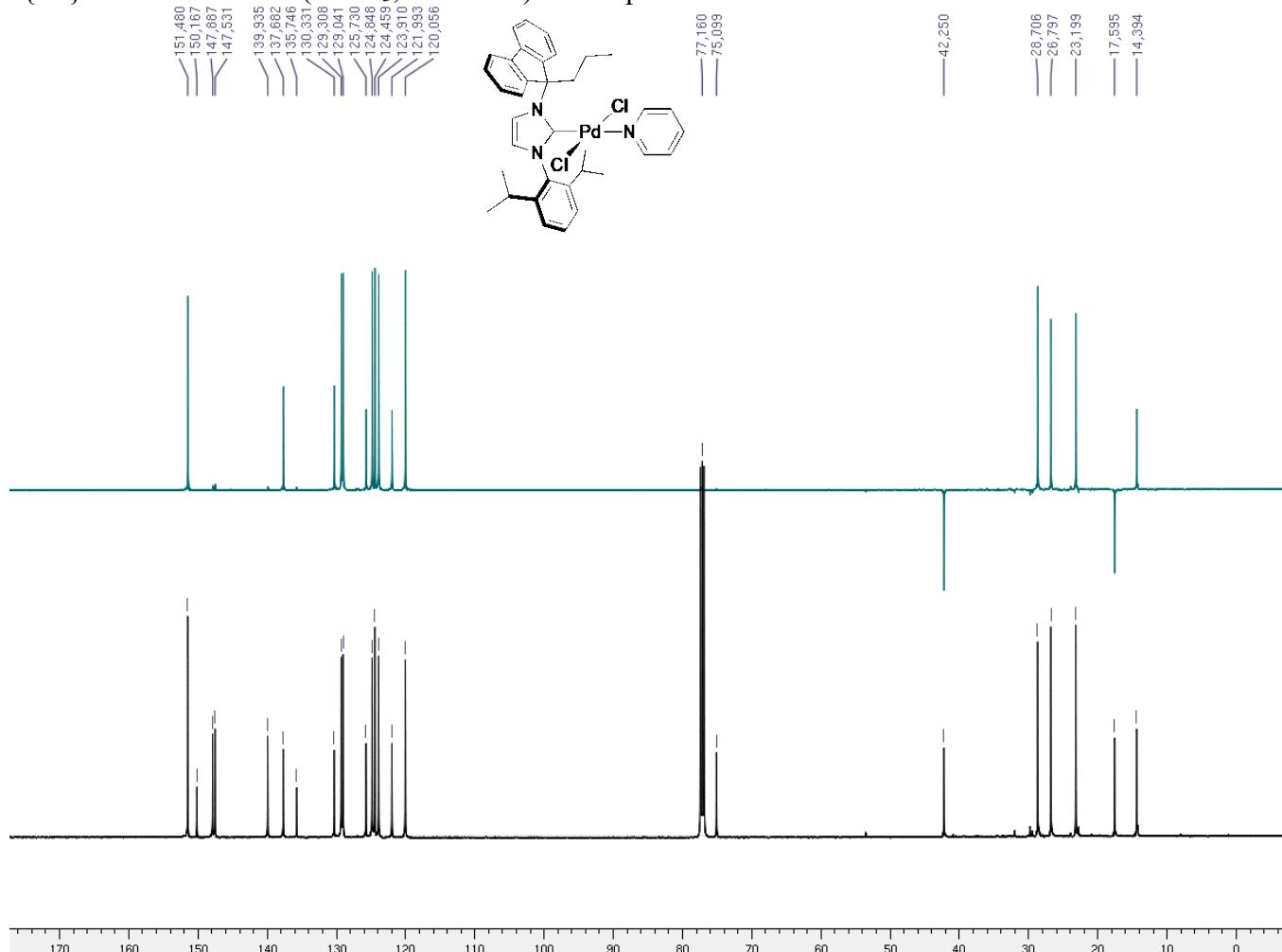
¹⁹F NMR (CDCl_3 , 282 MHz) of imidazolium **1**



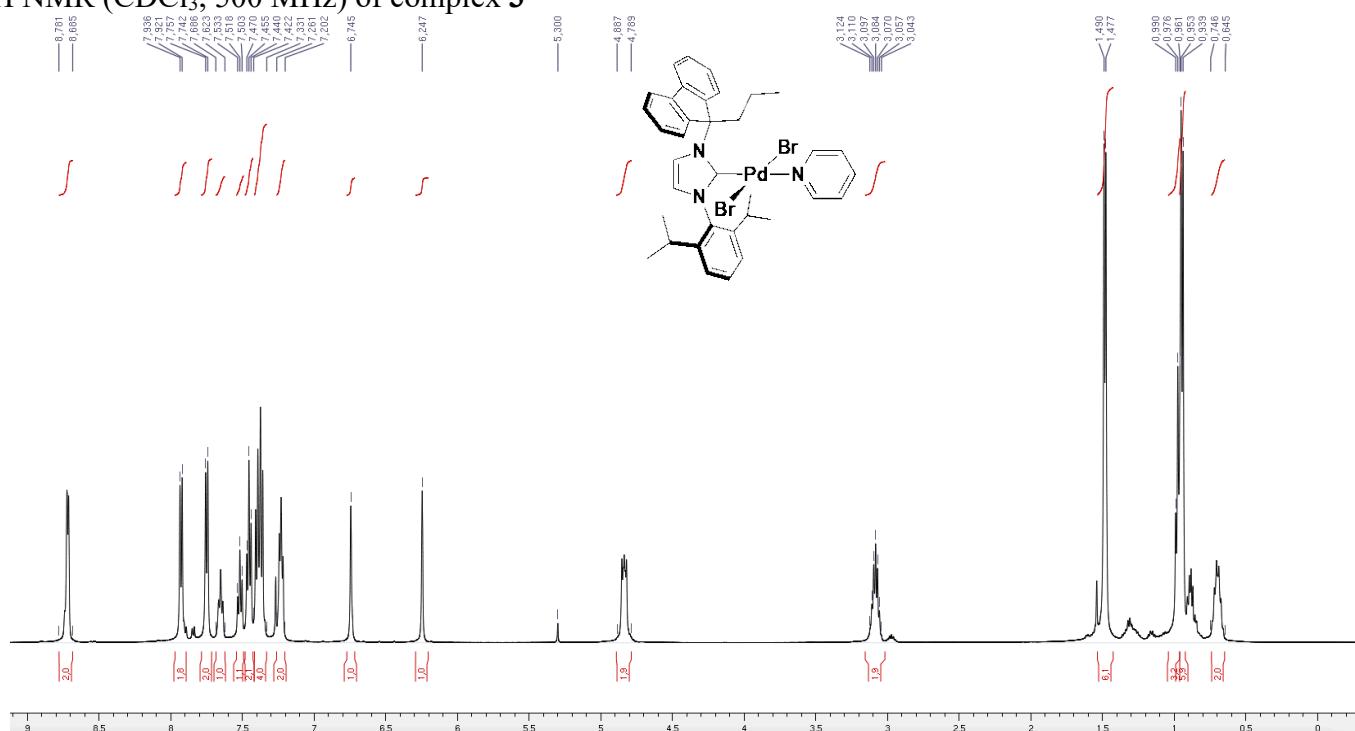
¹H NMR (CDCl_3 , 400 MHz) of complex **2**



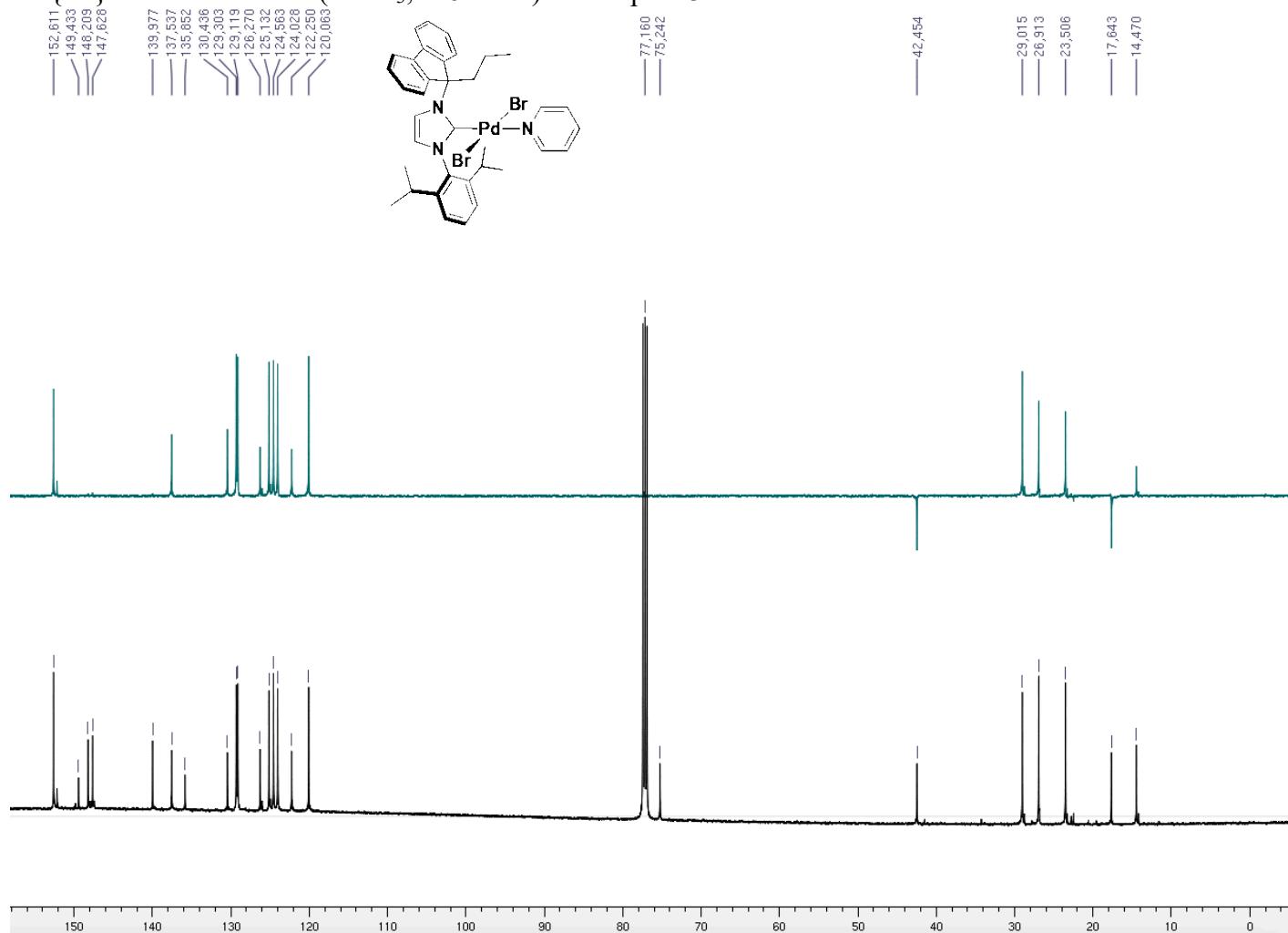
$^{13}\text{C}\{\text{H}\}$ and DEPT NMR (CDCl_3 , 125 MHz) of complex 2



^1H NMR (CDCl_3 , 500 MHz) of complex 3



$^{13}\text{C}\{\text{H}\}$ and DEPT NMR (CDCl_3 , 125 MHz) of complex 3



Optimised (DFT) structure (left) and molecular structure (right) of complex **2**

