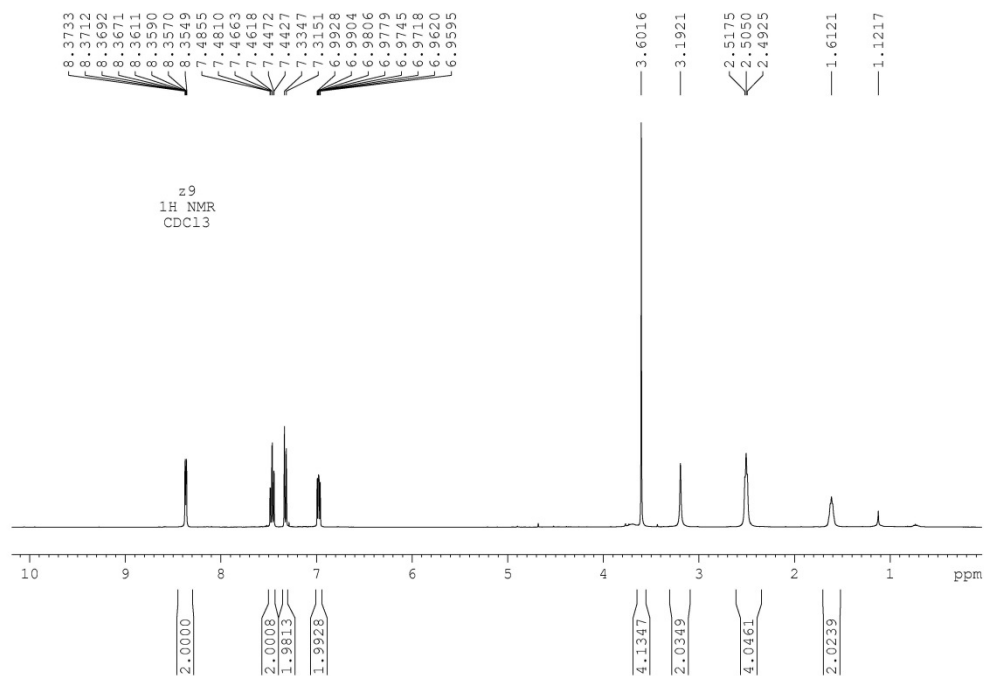
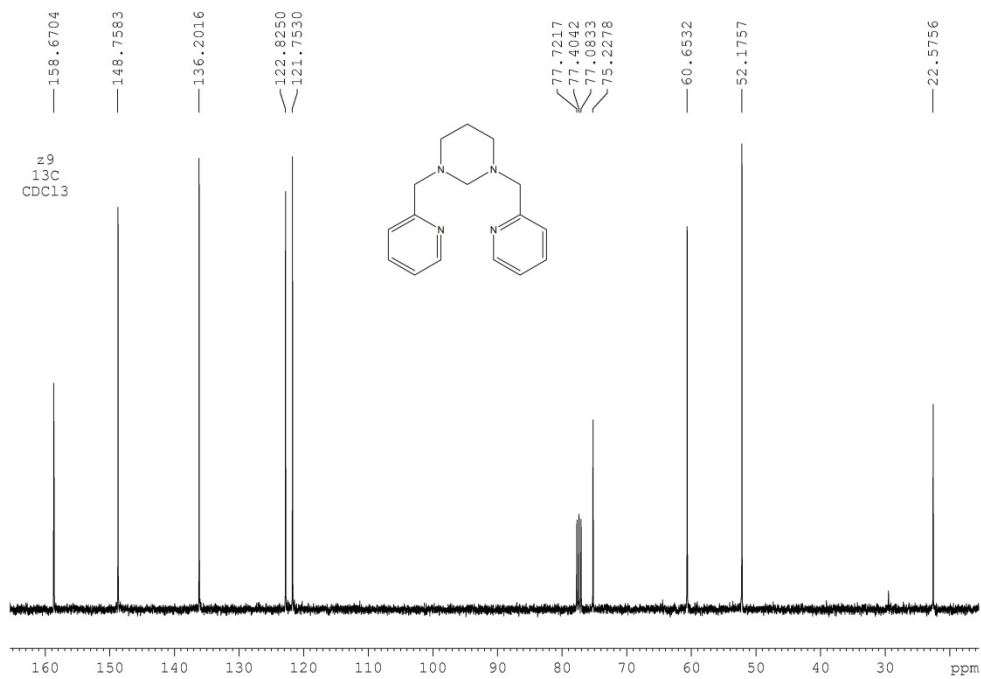


NMR spectra of compounds:

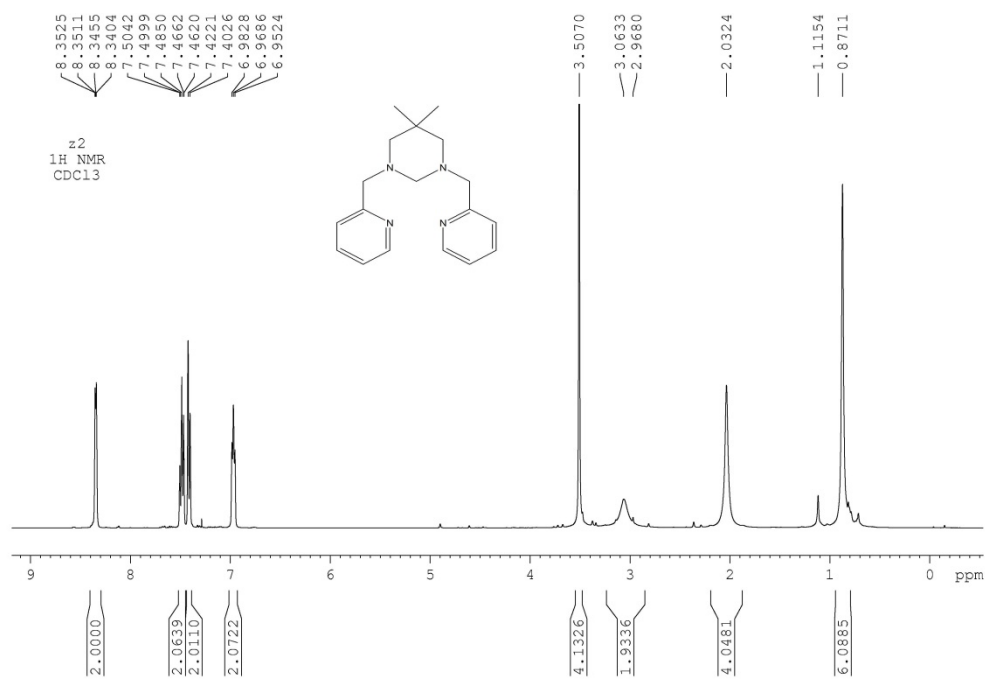
<sup>1</sup>H NMR of **1a**:



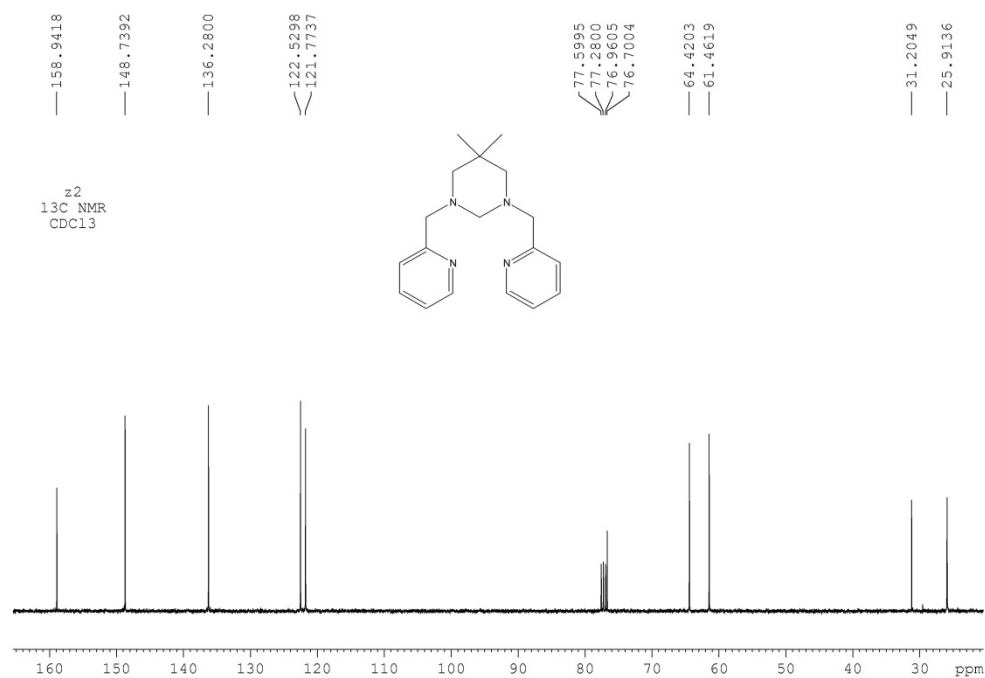
<sup>13</sup>C NMR of **1a**:



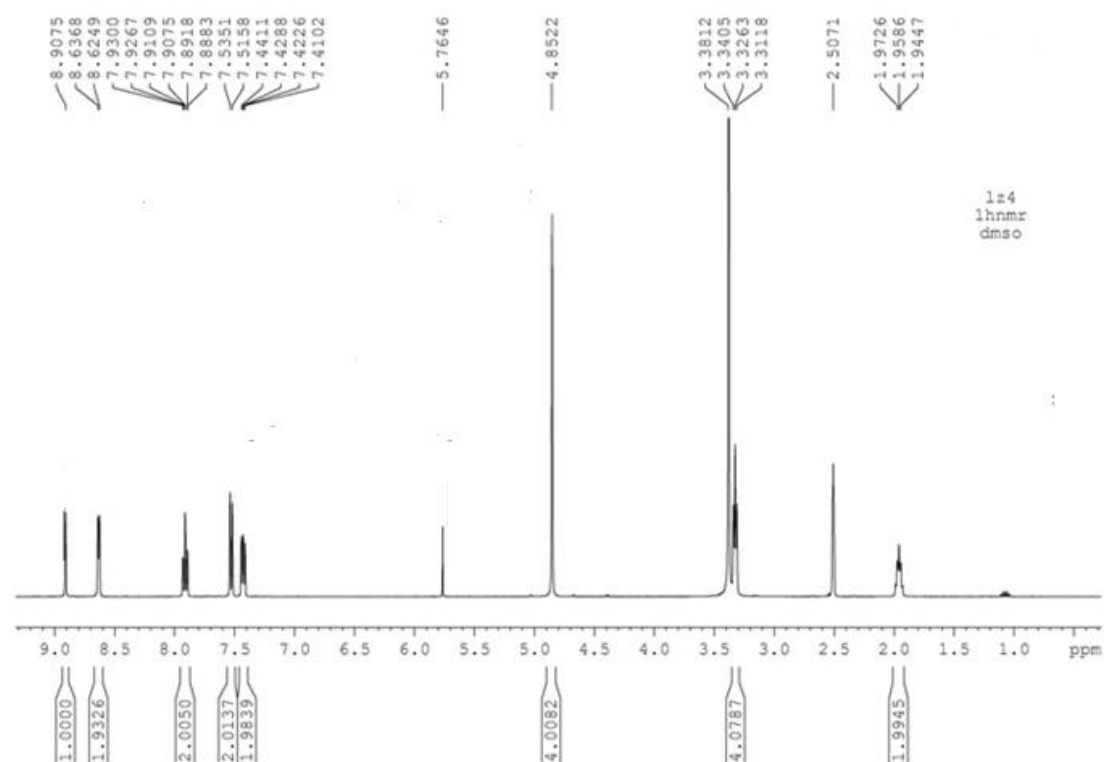
### <sup>1</sup>H NMR of **1b**:



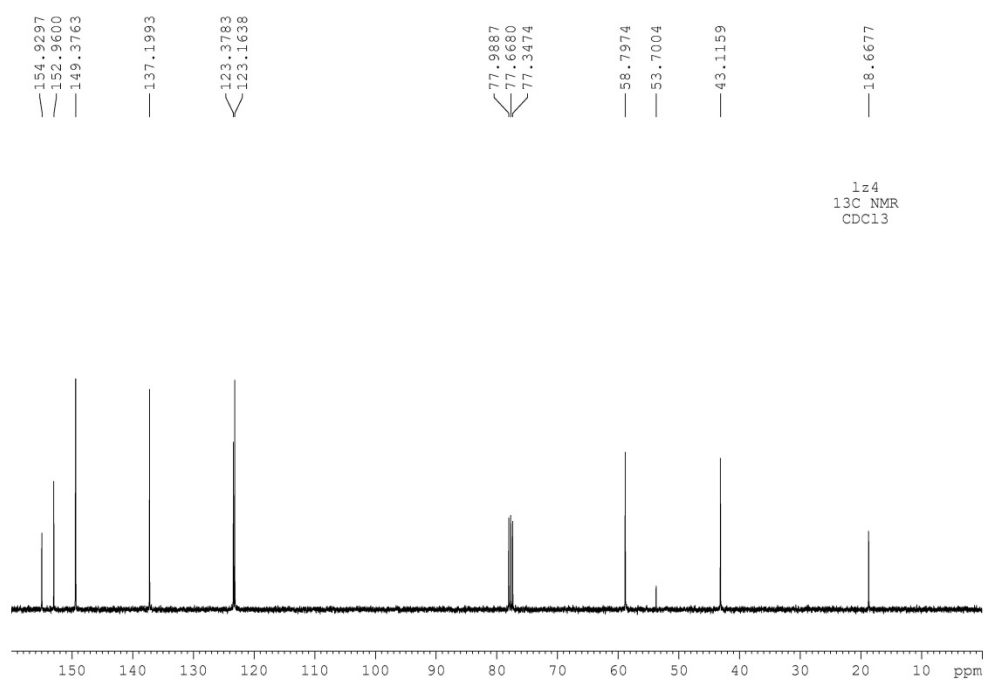
### <sup>13</sup>C NMR of **1b**:



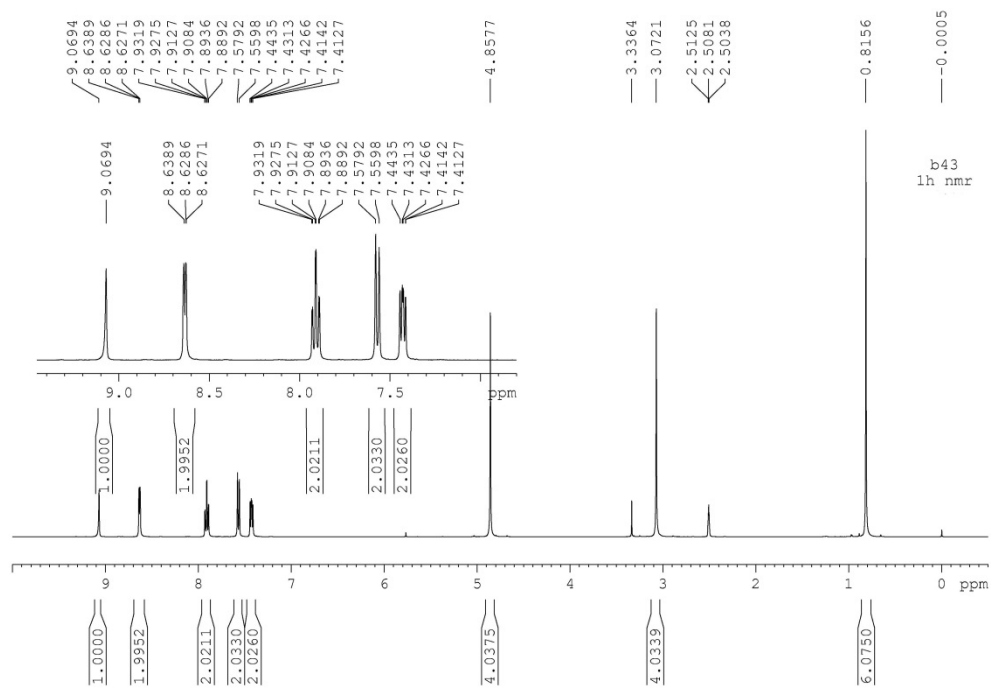
<sup>1</sup>H NMR of **2a**:



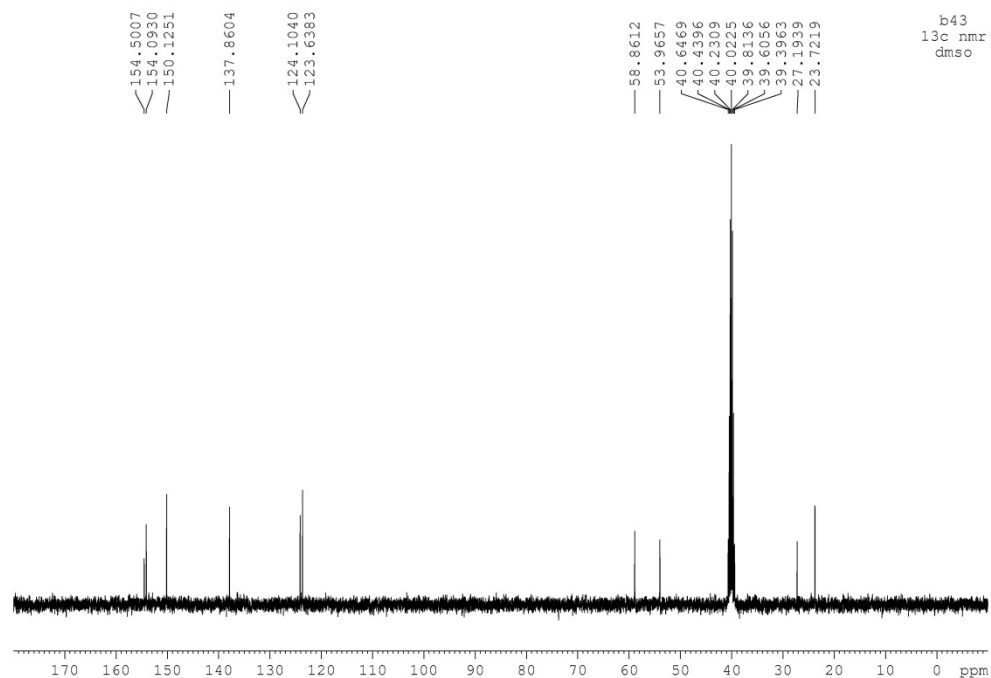
<sup>13</sup>C NMR of **2a**:



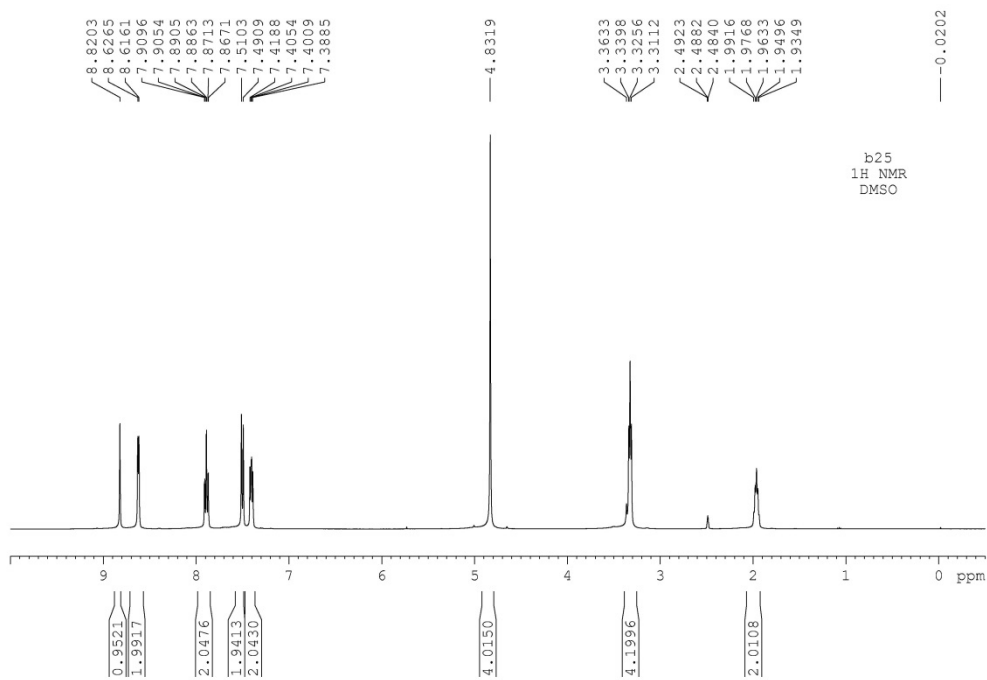
### <sup>1</sup>H NMR of **2b**:



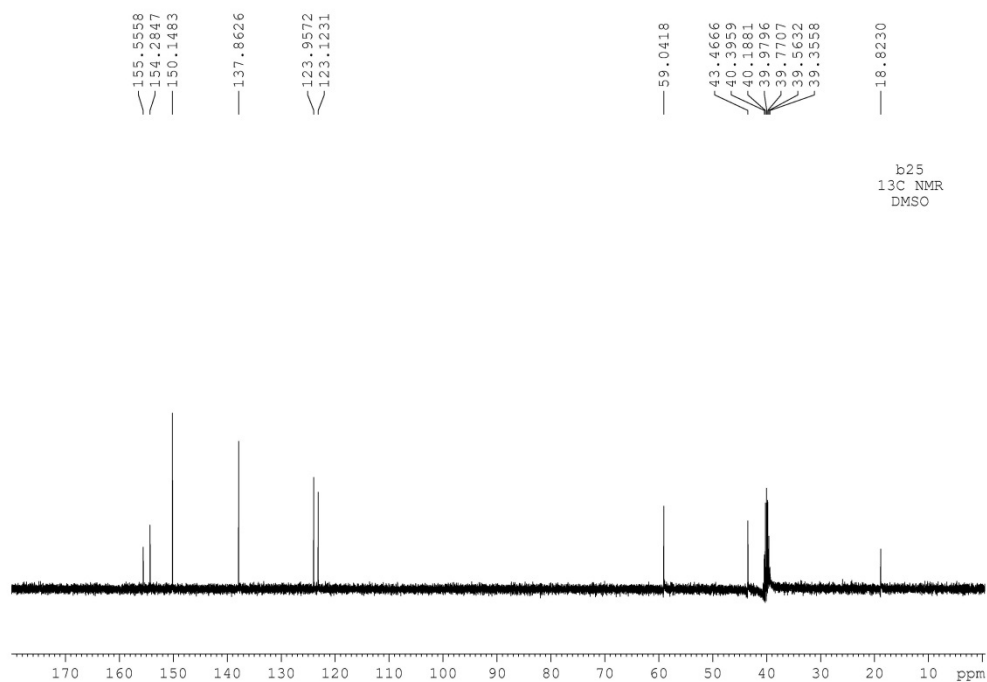
### <sup>13</sup>C NMR of **2b**:



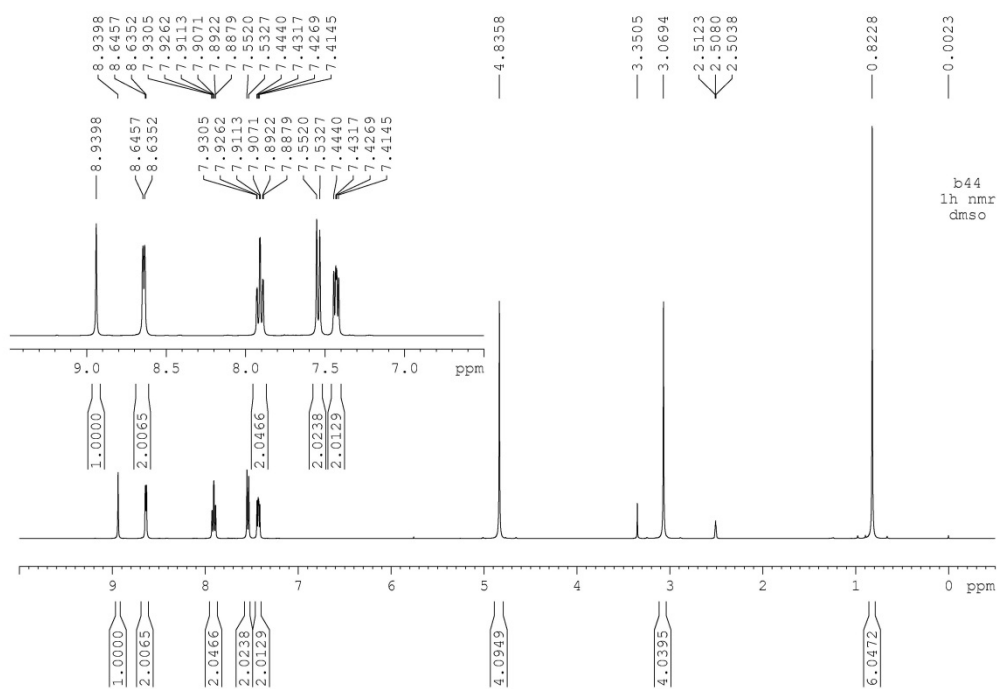
<sup>1</sup>H NMR of **3a**:



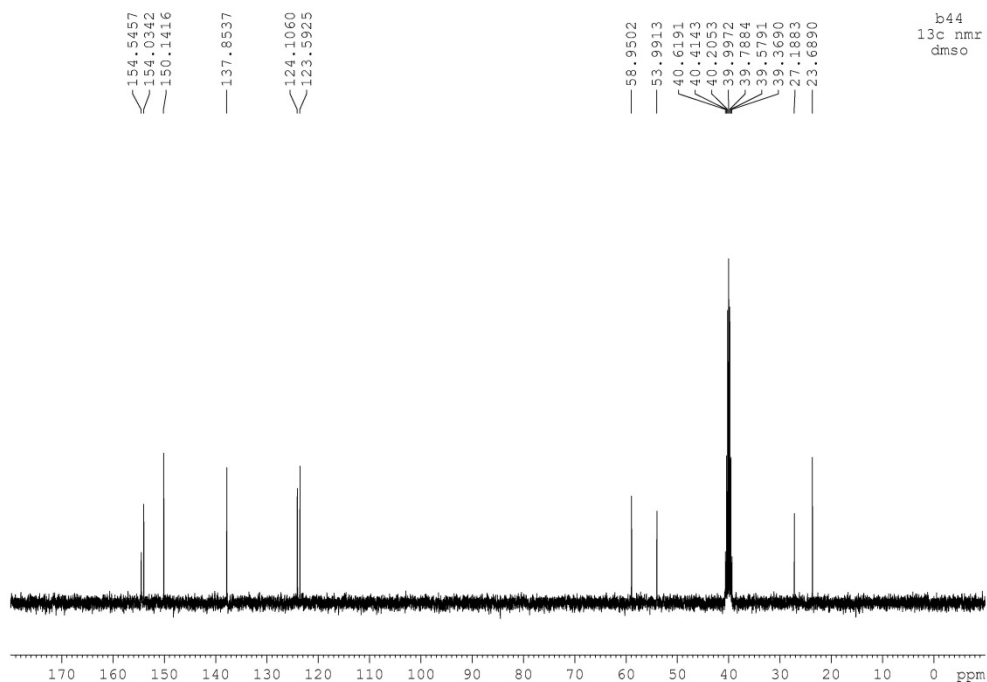
<sup>13</sup>C NMR of **3a**:



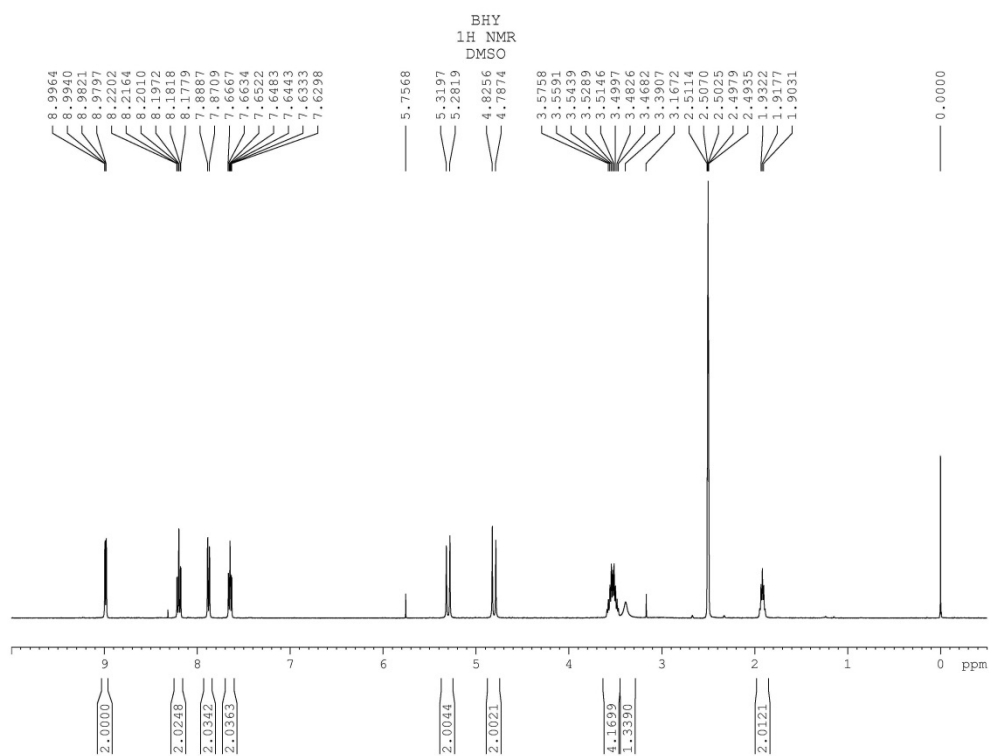
<sup>1</sup>H NMR of **3b**:



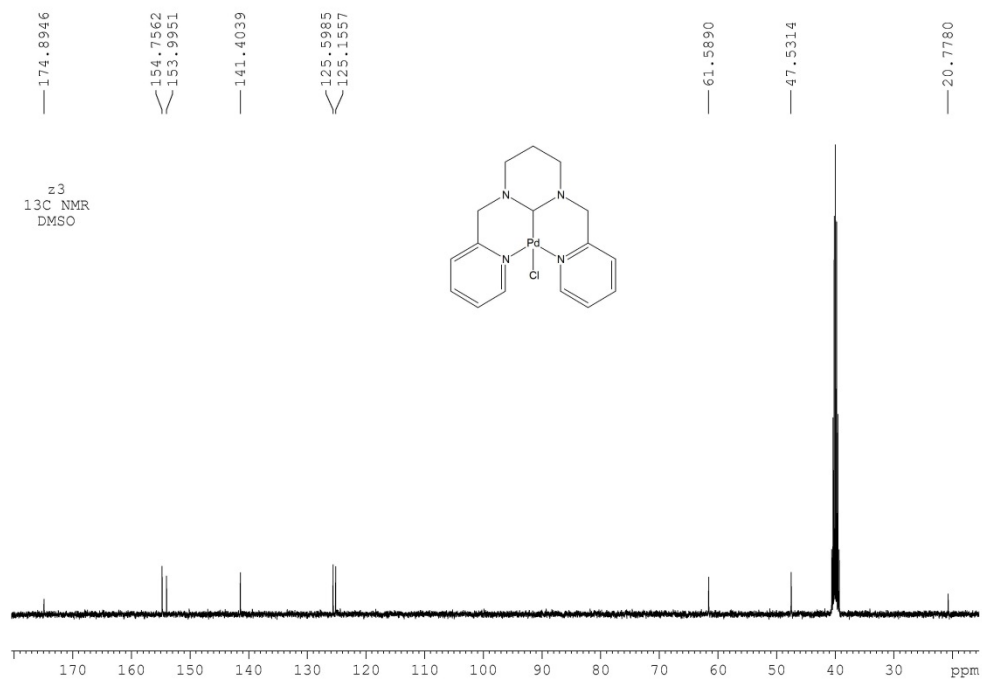
<sup>13</sup>C NMR of **3b**:



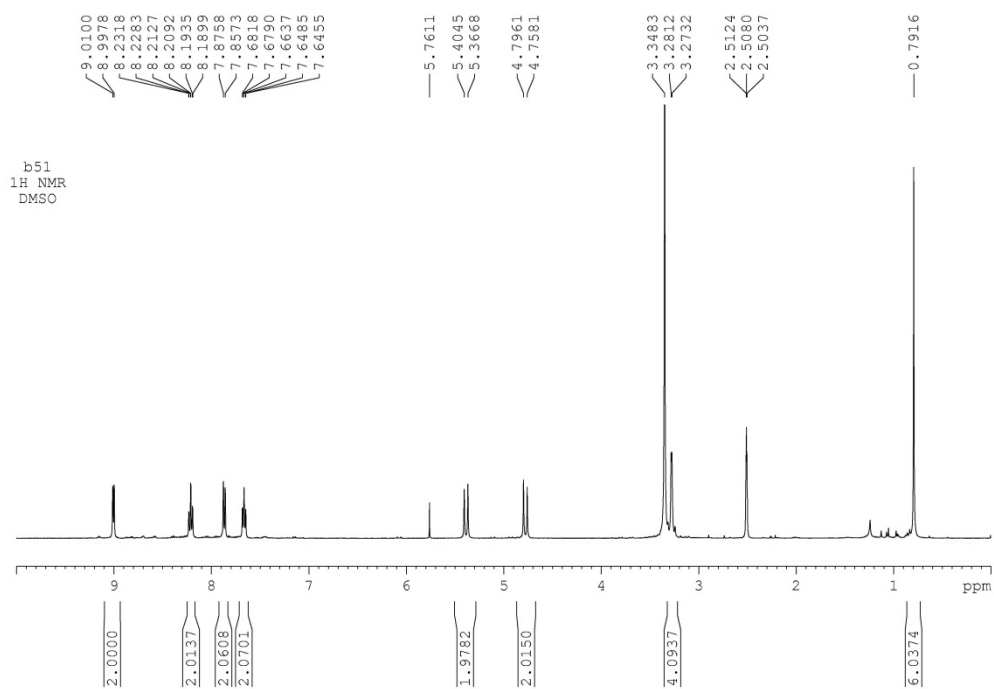
### <sup>1</sup>H NMR of 4a:



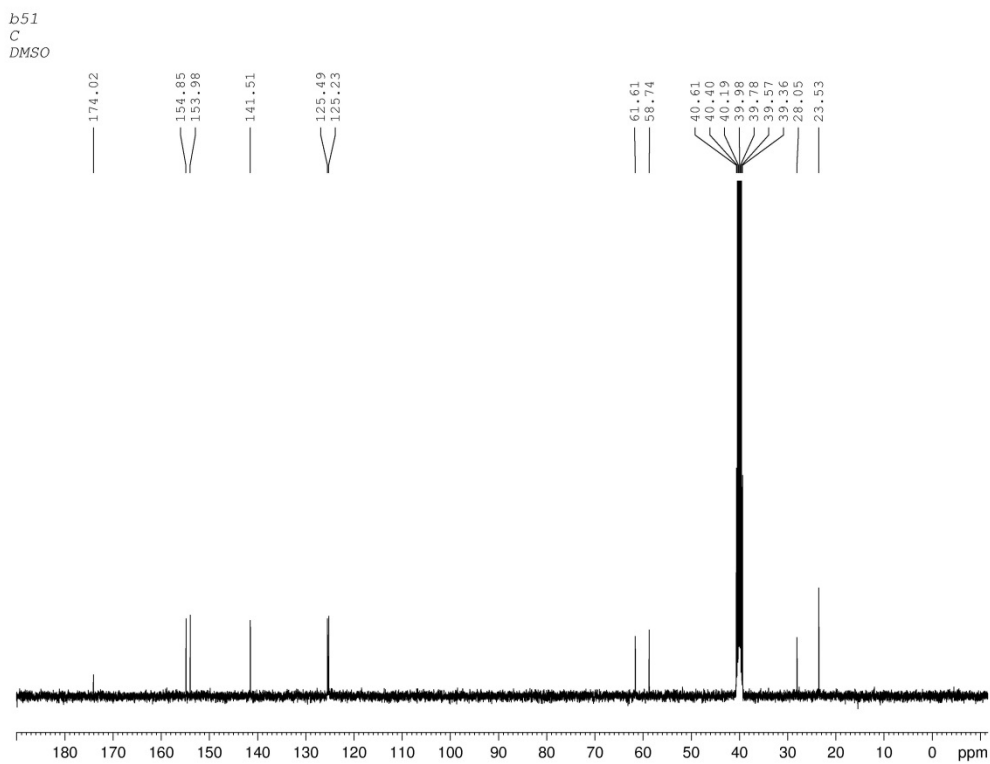
### <sup>13</sup>C NMR of 4a:



### <sup>1</sup>H NMR of **4b**:



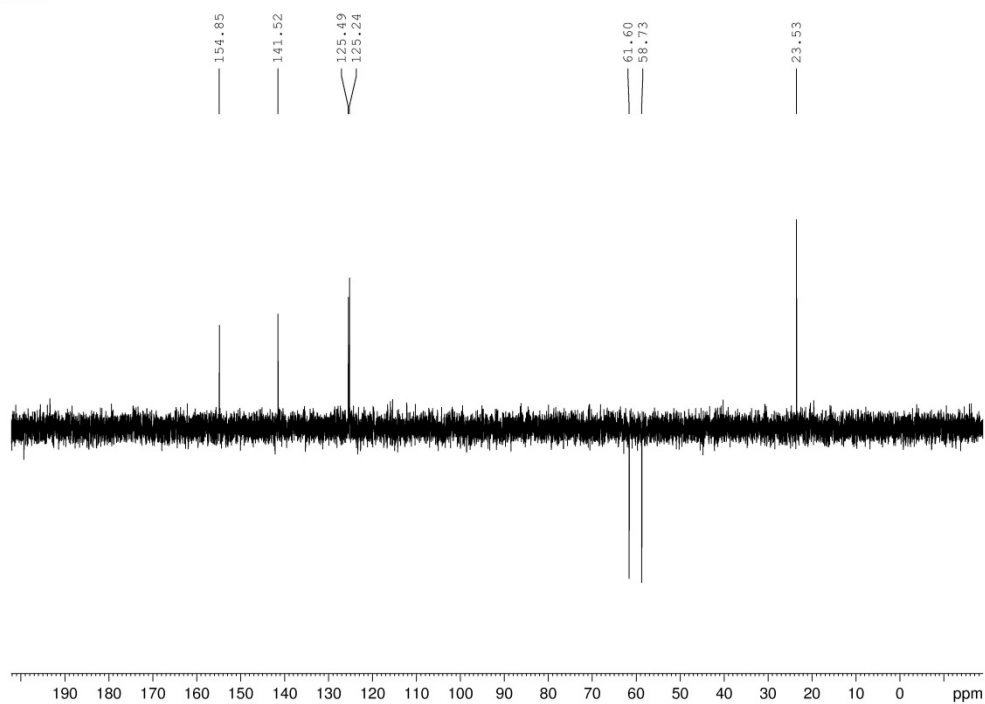
### <sup>13</sup>C NMR of **4b**:





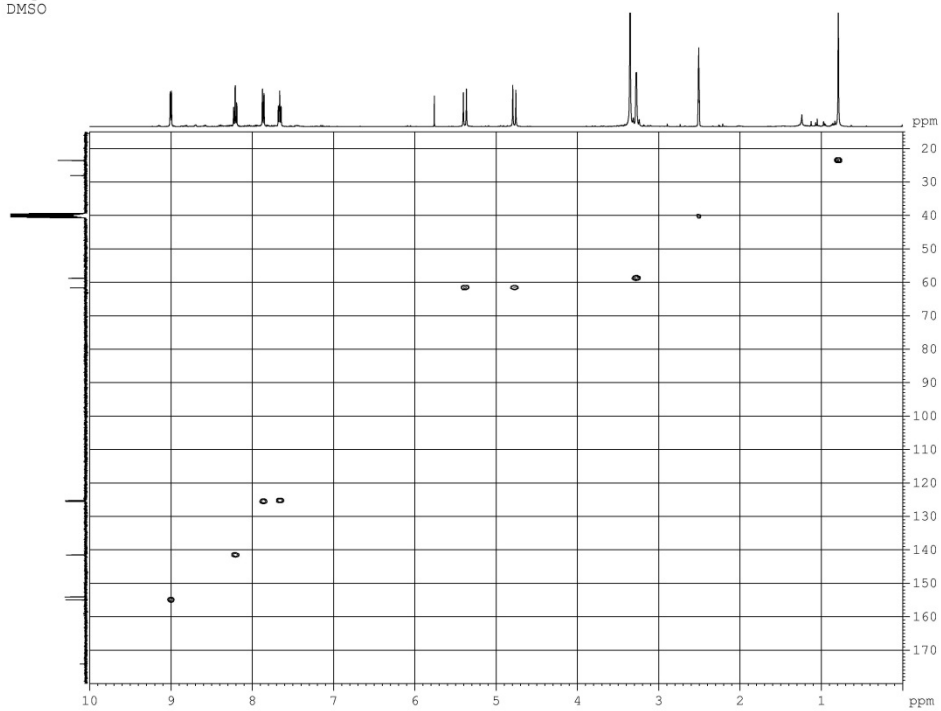
### DEPT 135 NMR of **4b**:

b51  
dept 135  
DMSO



### HSQC NMR of **4b**:

b51  
hsqc  
DMSO



COSY NMR of **4b**:

b51  
cosy  
DMSO

