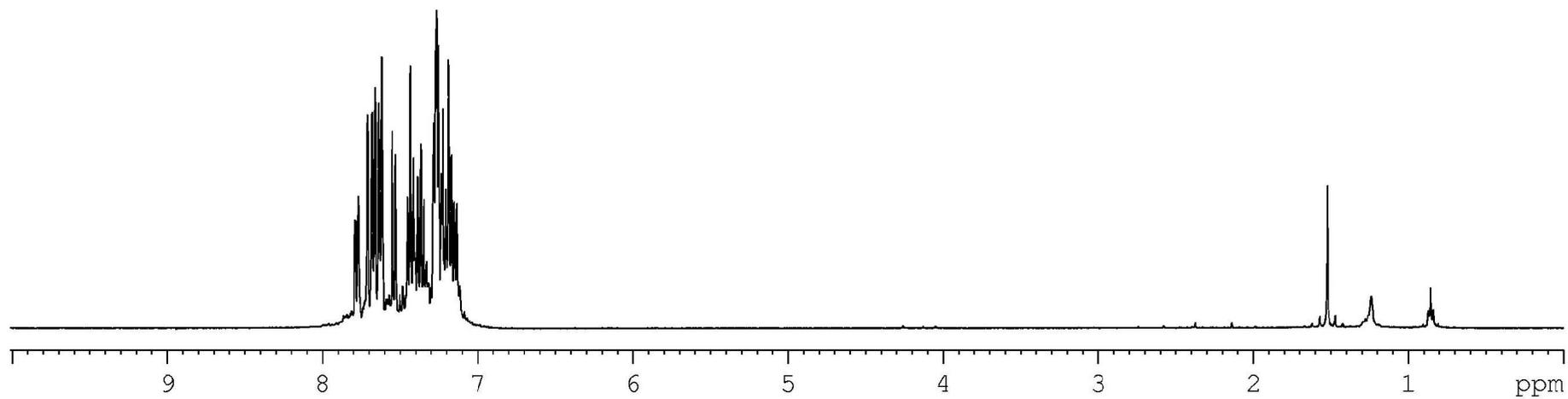


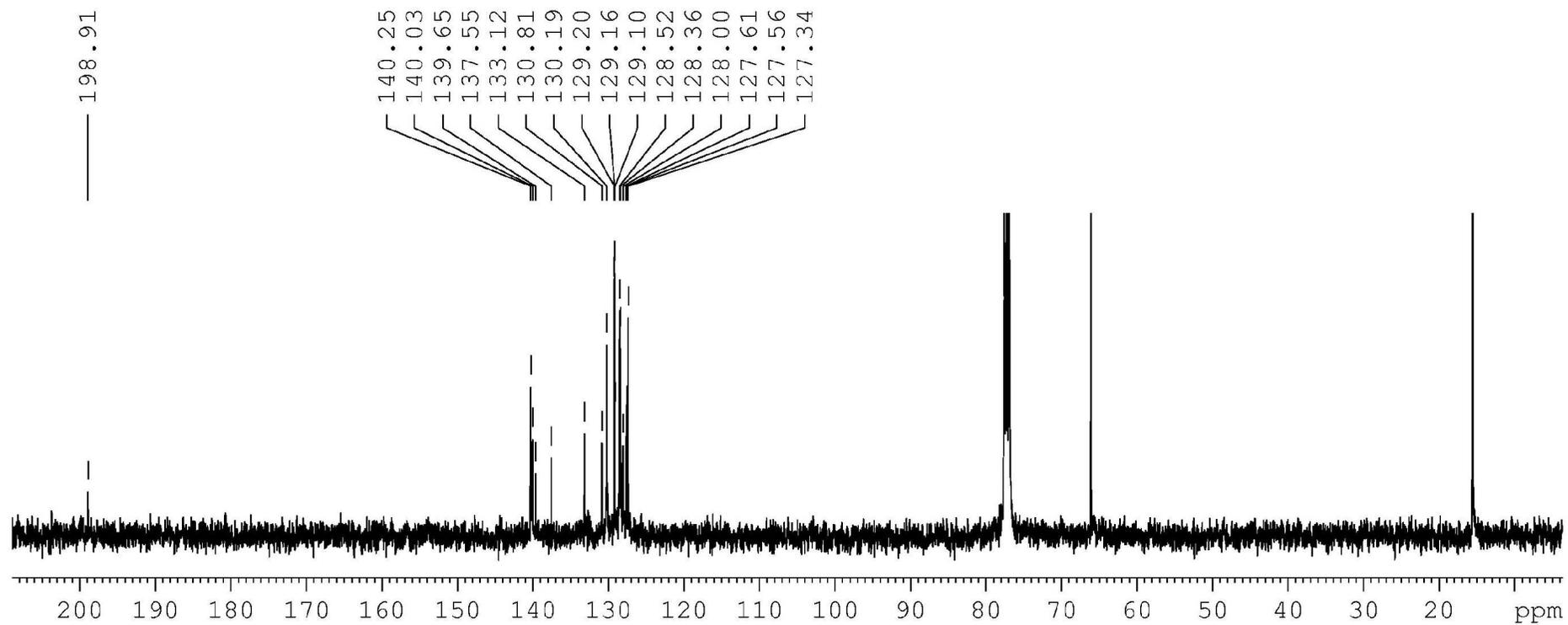
**Electronic supplementary materials** *Mendeleev Commun.*, 2016, **26**, 378–379

**Base-catalyzed cascade dimerization of  $\gamma$ -aryl- $\beta,\gamma$ -enones into acylated terphenyls**

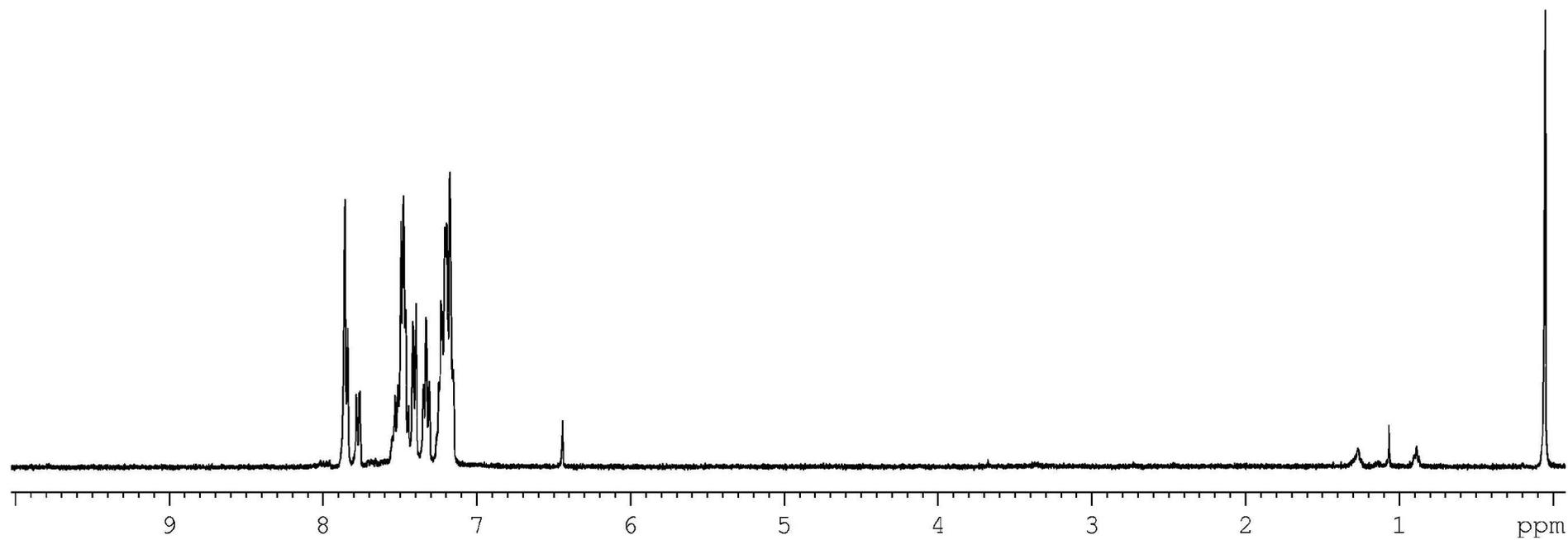
**Elena Yu. Schmidt, Inna V. Tatarinova, Igor A. Ushakov and Boris A. Trofimov**



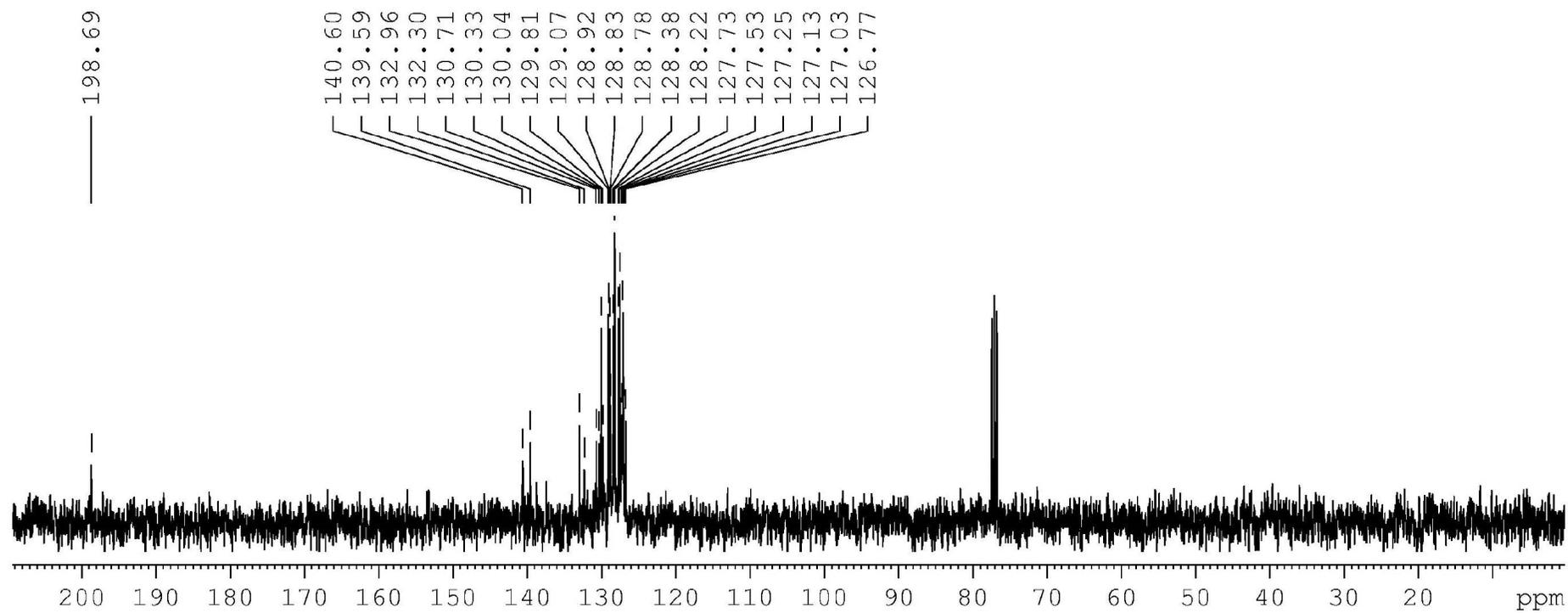
$^1\text{H}$  NMR spectrum of **2a** (400.1 MHz,  $\text{CDCl}_3$ )



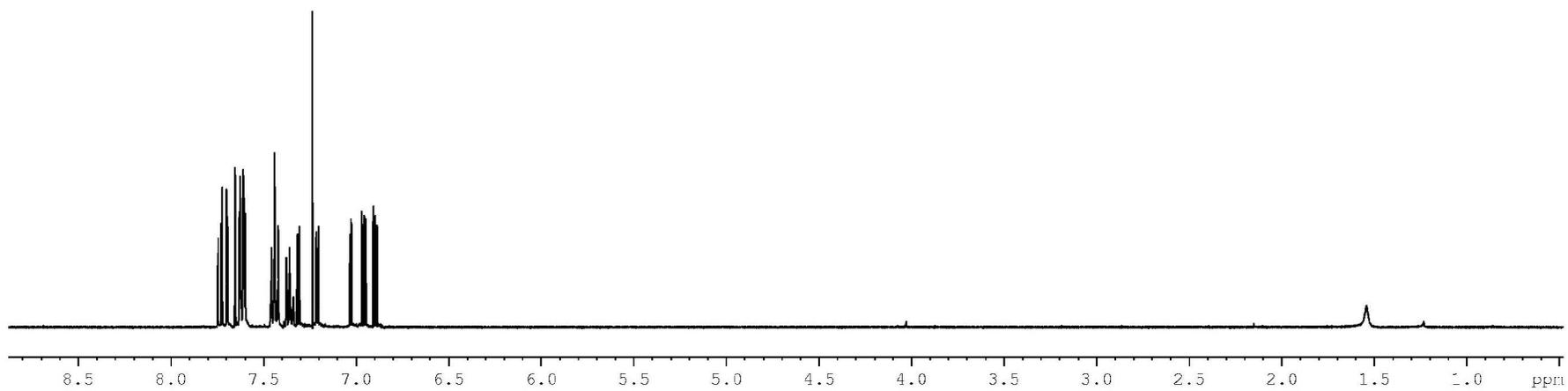
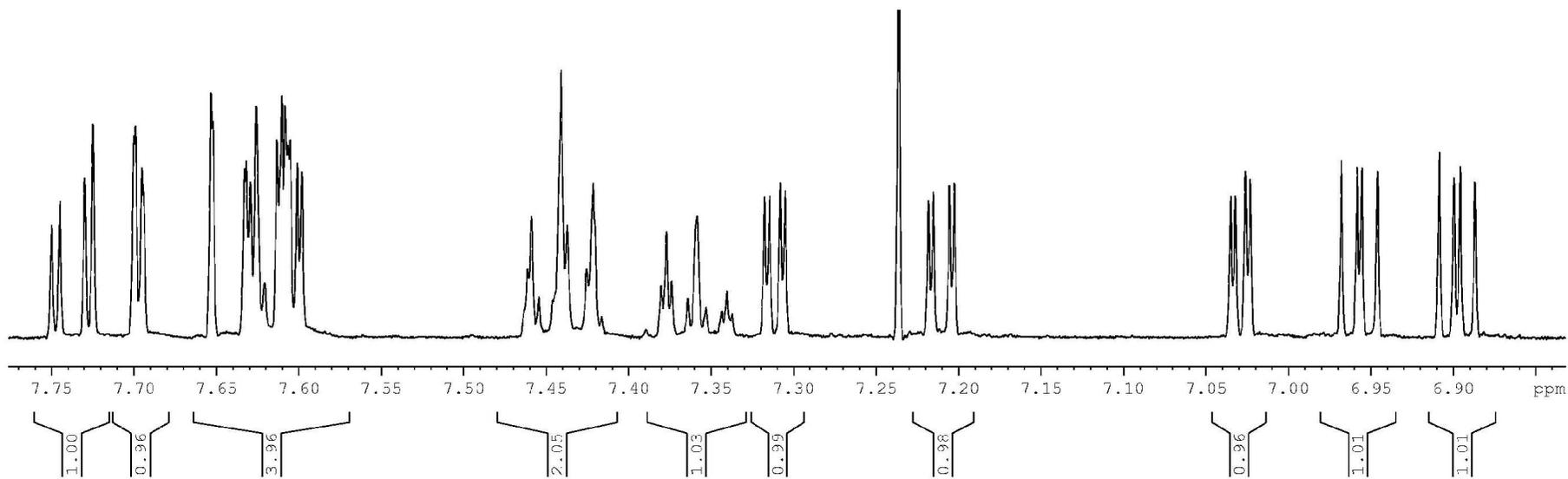
$^{13}\text{C}$  NMR spectrum of **2a** (100.6 MHz,  $\text{CDCl}_3$ ), diethyl ether 65 и 16 ppm.



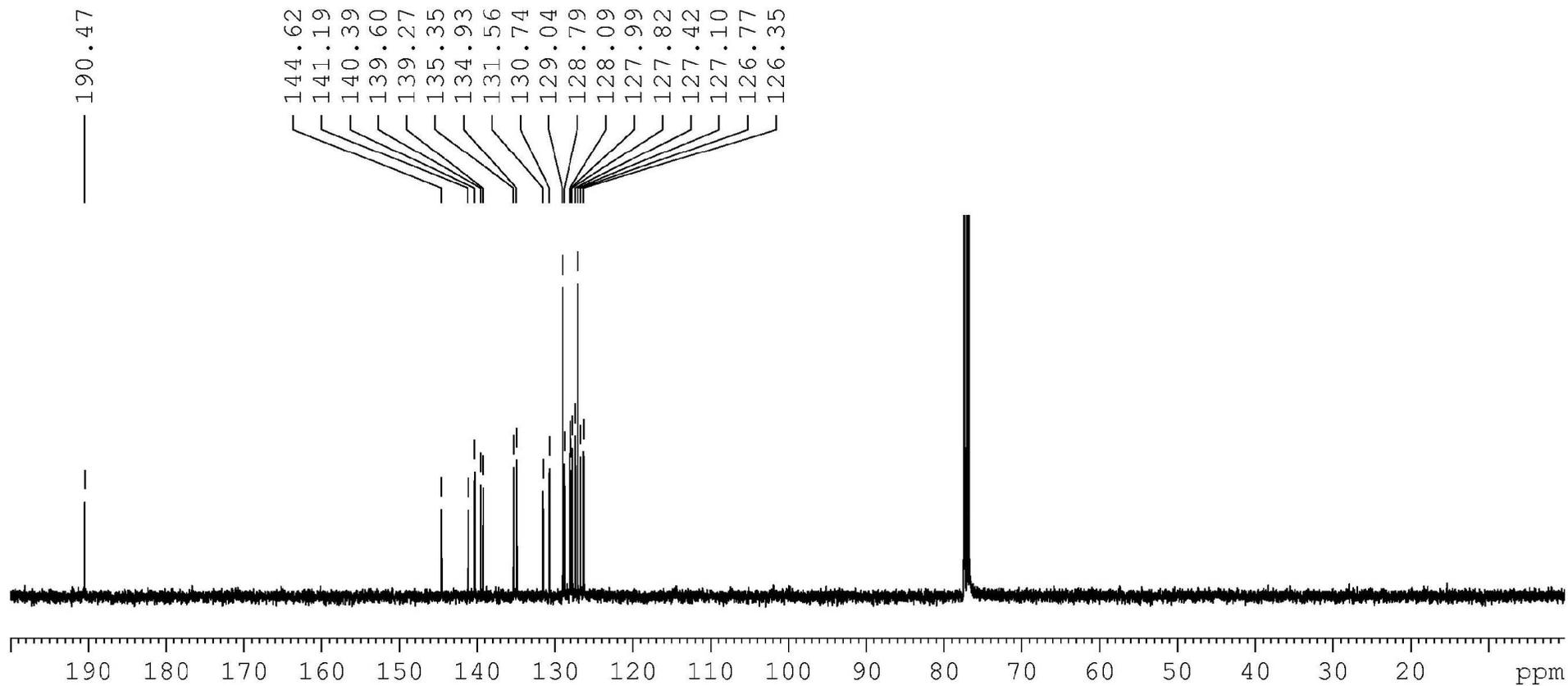
$^1\text{H}$  NMR spectrum of **2b** (400.1 MHz,  $\text{CDCl}_3$ )



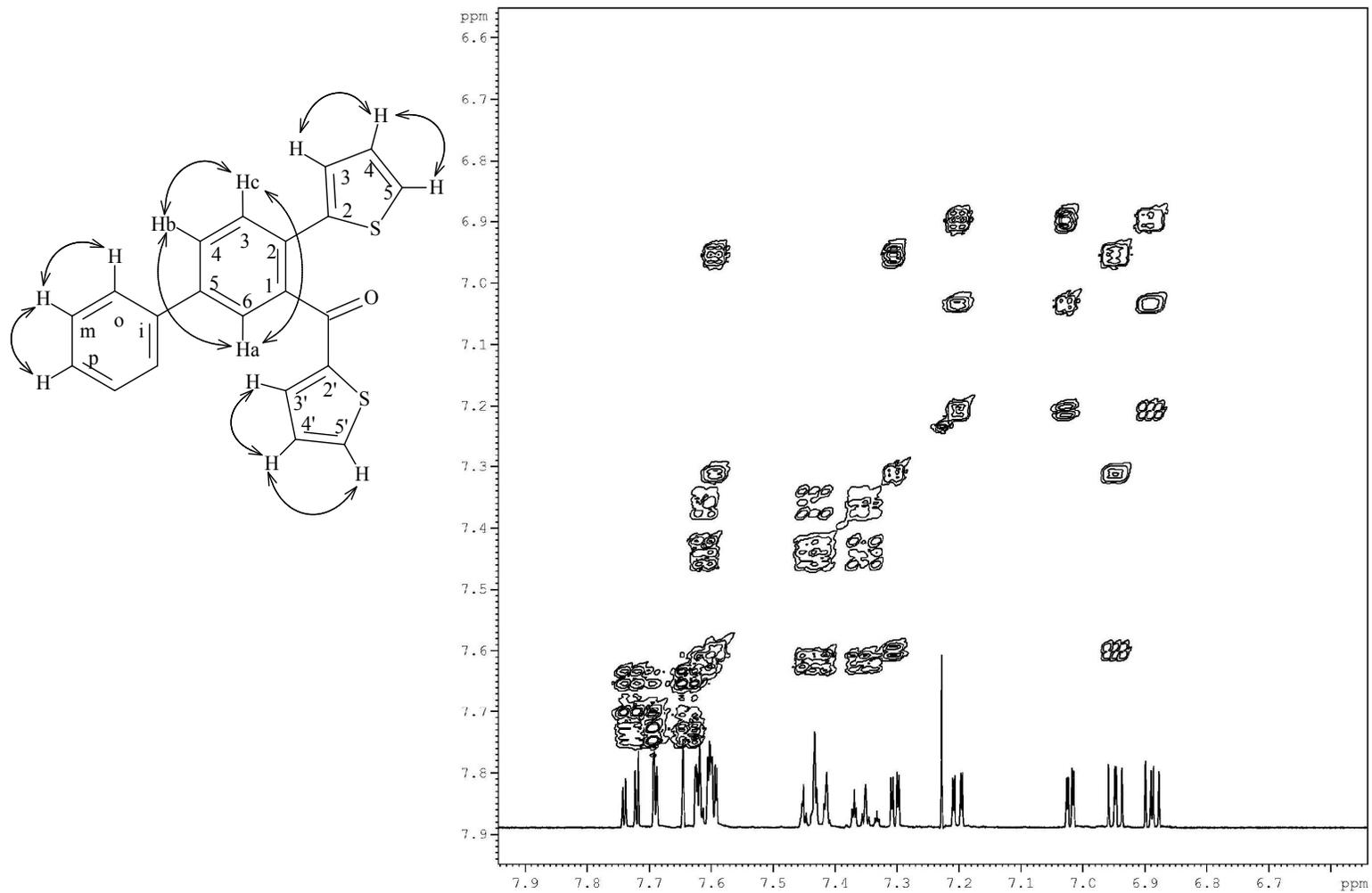
$^{13}\text{C}$  NMR spectrum of **2b** (100.6 MHz,  $\text{CDCl}_3$ )



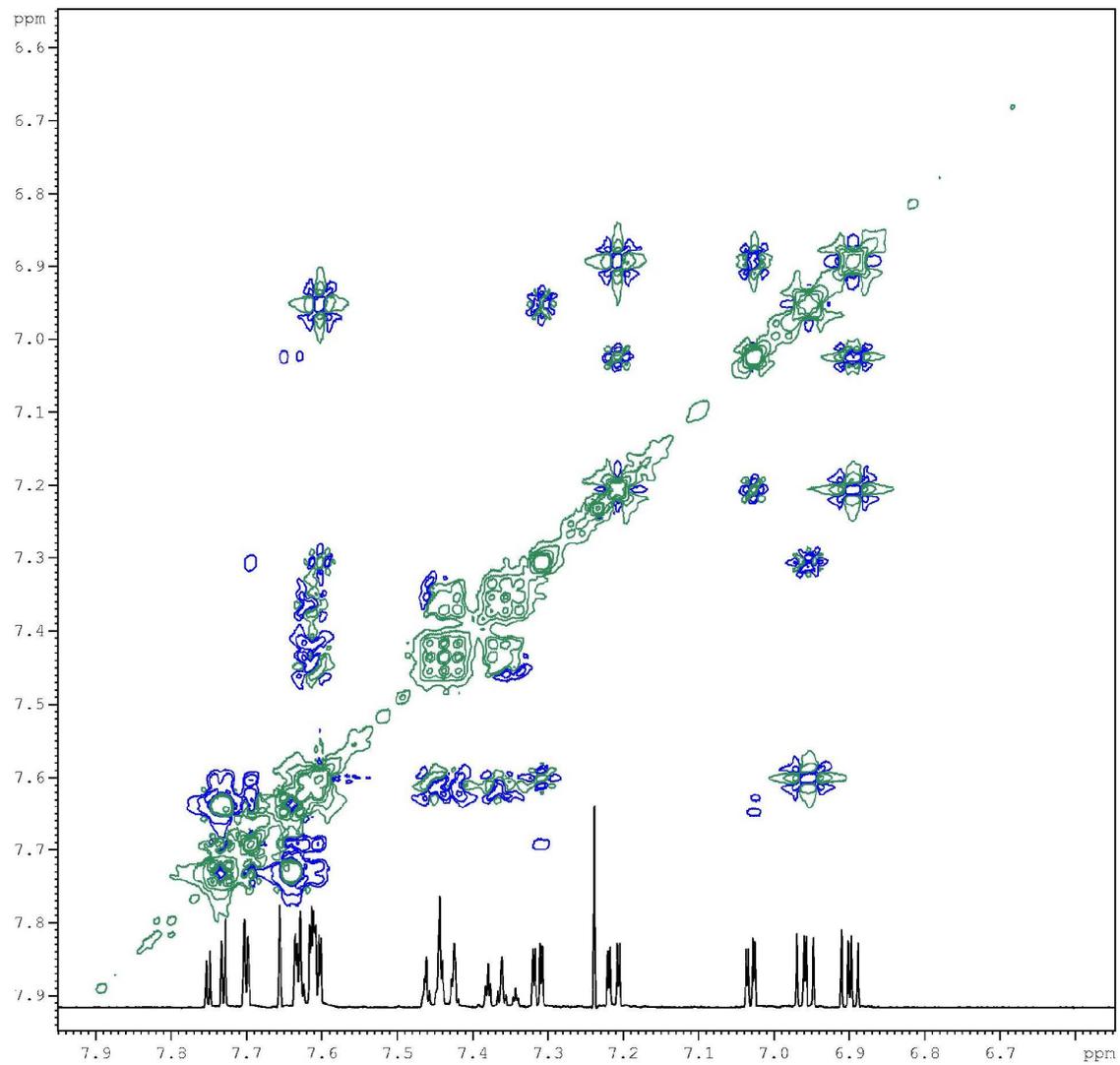
$^1\text{H}$  NMR spectrum of **2c** (400.1 MHz,  $\text{CDCl}_3$ )



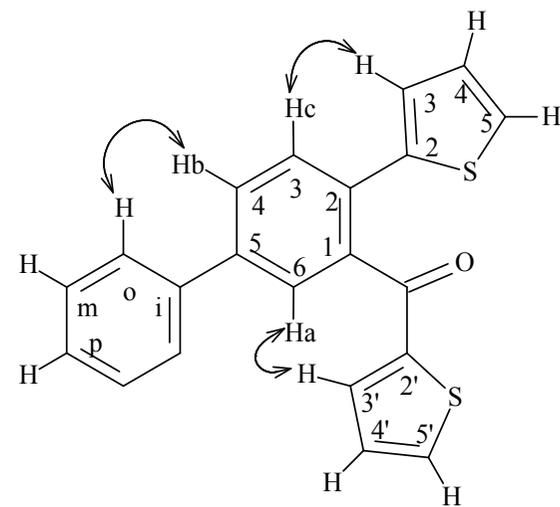
$^{13}\text{C}$  NMR spectrum of **2c** (100.6 MHz,  $\text{CDCl}_3$ )

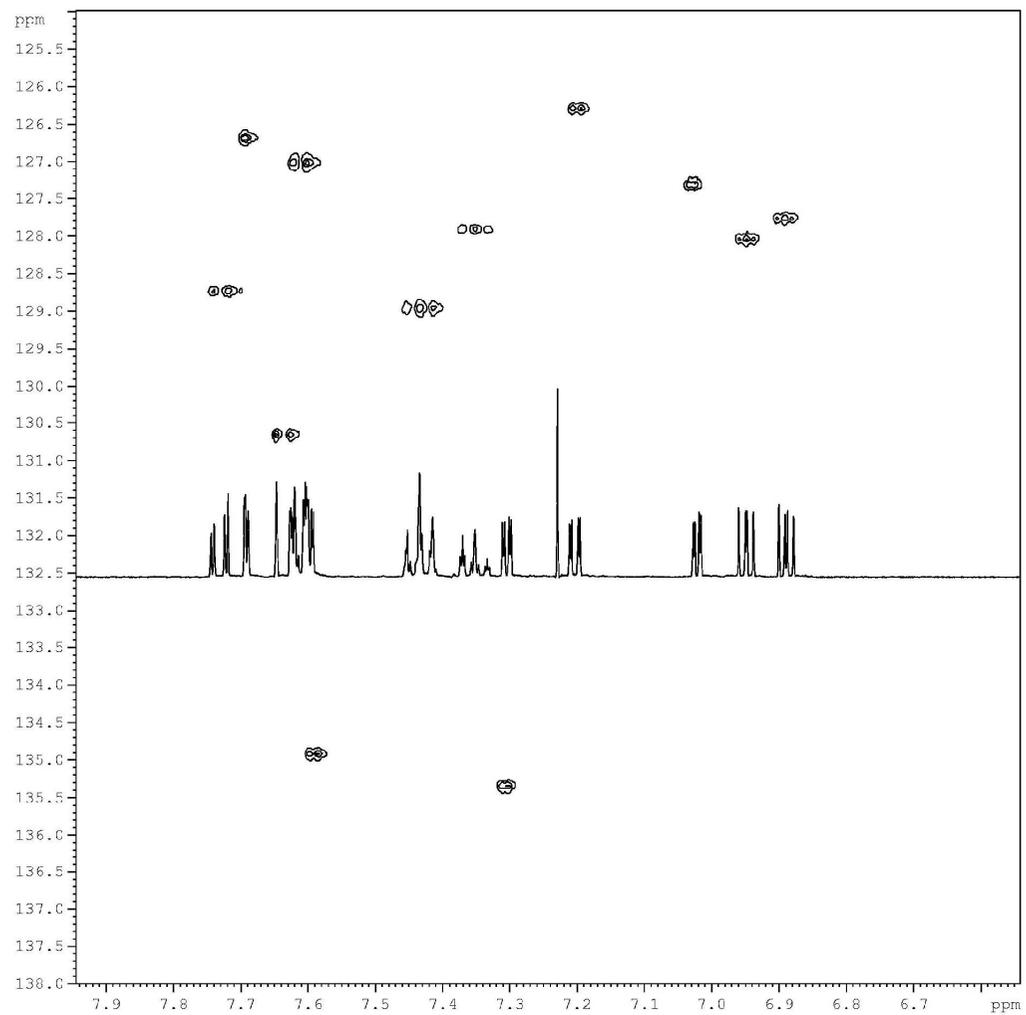


2D COSY spectrum of **2c** (CDCl<sub>3</sub>)

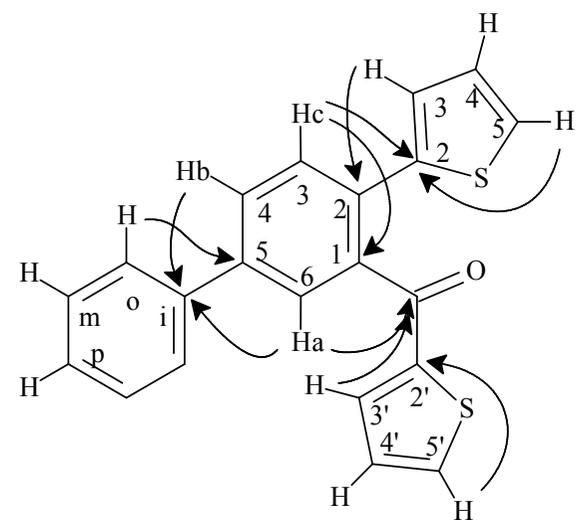
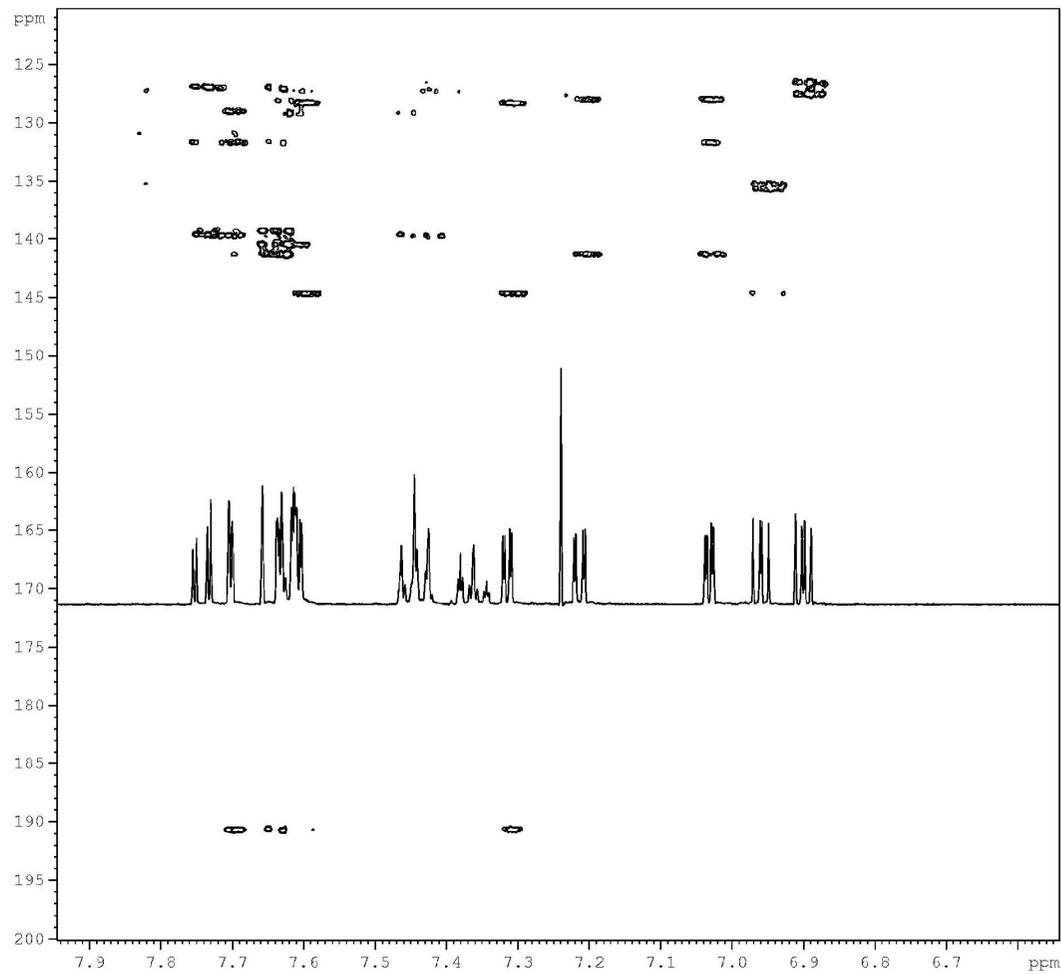


2D NOESY spectrum of **2c** (CDCl<sub>3</sub>)





2D  $^1\text{H}$ - $^{13}\text{C}$  HSQC spectrum of **2c** ( $\text{CDCl}_3$ )



2D  $^1\text{H}$ - $^{13}\text{C}$  HMBC spectrum of **2c** ( $\text{CDCl}_3$ )