

## Polyarylene synthesis by Suzuki polycondensation of aryl dichlorides and an aryl diboronic acid ester

by

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This file contains the

$^1\text{H}$  NMR spectra of

monomer **2c** (Figure S1): Page S1

polymer **4b** (Figure S2): Page S2

and  $^{13}\text{C}$  NMR spectra of

monomer **2b** (Figure S3): Page S2

monomer **2c** (Figure S4): Page S3

polymer **4b** (Figure S5): Page S3

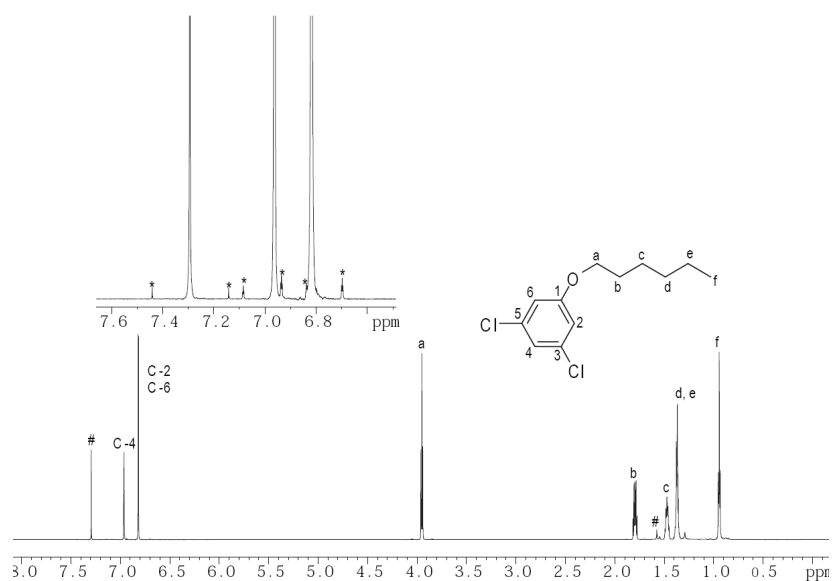


Figure S1:  $^1\text{H}$  NMR spectrum (700 MHz) of monomer **2c** in  $\text{CDCl}_3$  with signal assignment to illustrate the level of structural integrity. The inset shows the enlarged aromatic region. Solvent signals (#) and carbon satellite signals (\*) were marked.

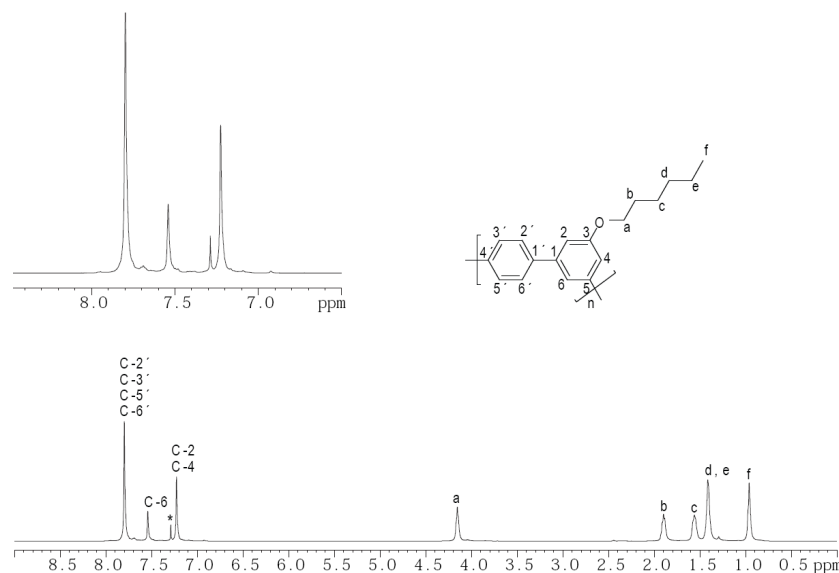


Figure S2:  $^1\text{H}$  NMR spectrum (500 MHz) of polymer **4b** in  $\text{CDCl}_3$  with signal assignment to illustrate the level of structural integrity. The inset shows the enlarged aromatic region. Solvent signals (\*) were marked.

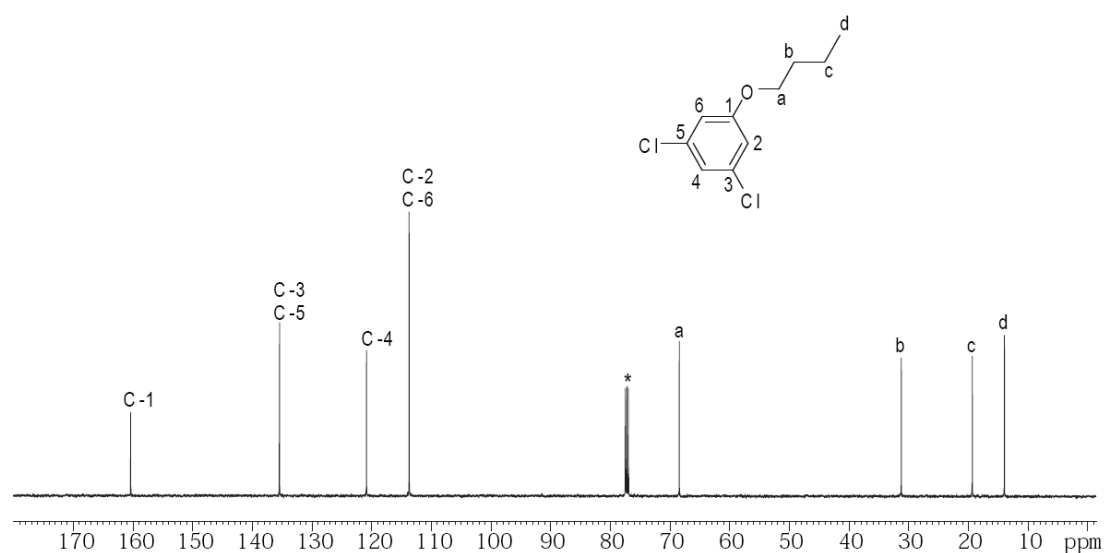


Figure S3:  $^{13}\text{C}$  NMR spectrum (126 MHz) of monomer **2b** in  $\text{CDCl}_3$  with signal assignment.

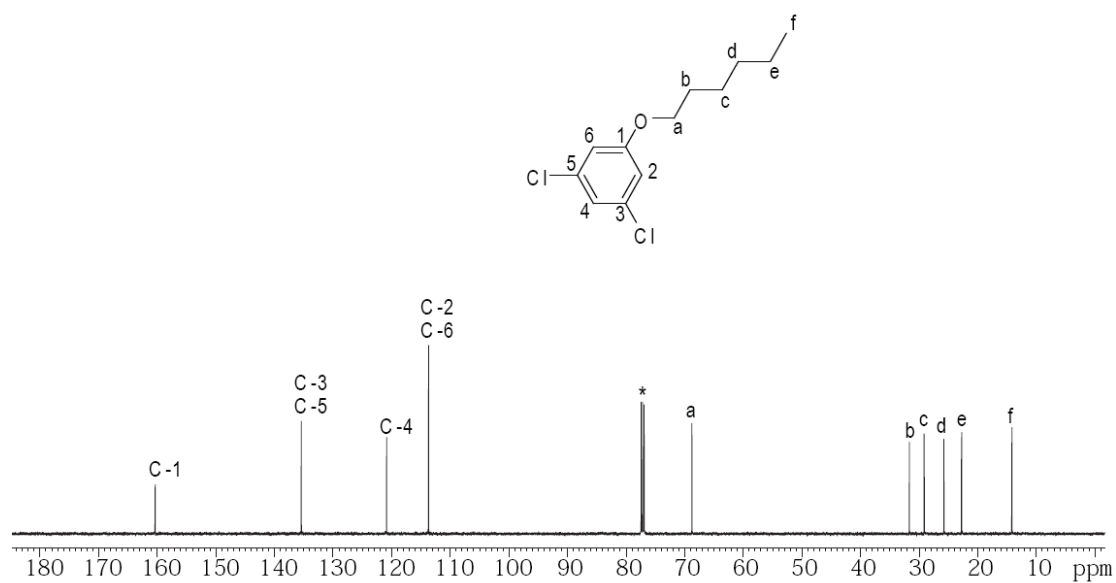


Figure S4:  $^{13}\text{C}$  NMR spectrum (126 MHz) of monomer **2c** in  $\text{CDCl}_3$  with signal assignment.

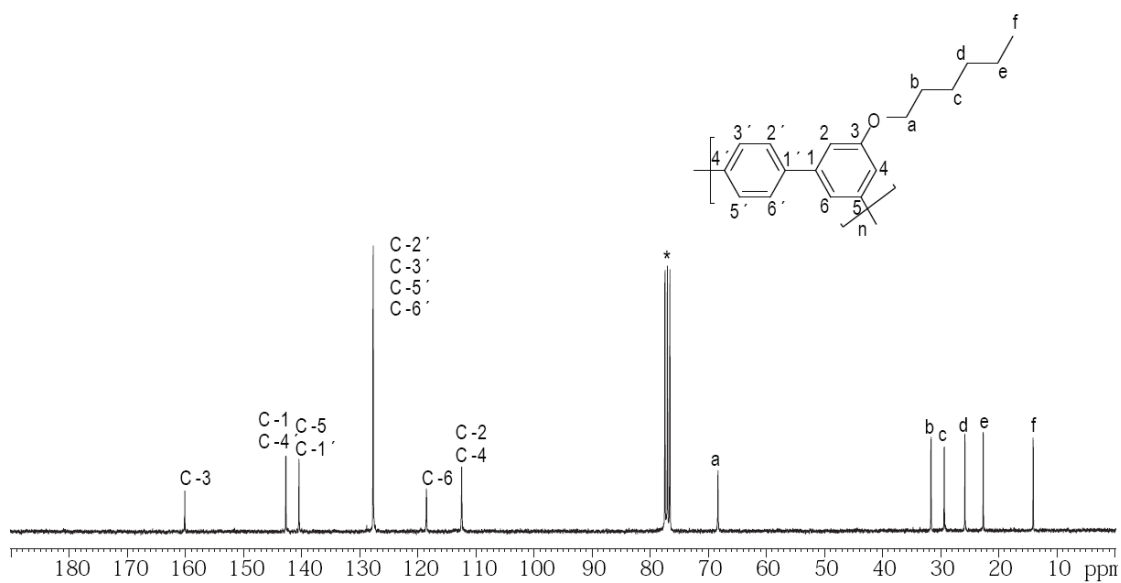


Figure S5:  $^{13}\text{C}$  NMR spectrum (75.5 MHz) of polymer **4b** in  $\text{CDCl}_3$  with signal assignment.