

# Post Functionalization of Bromo-Substituted Ether-Linked Polymers Via Ullman Coupling Reaction: Synthesis, Characterization and their Role Toward Carbon Dioxide Capture

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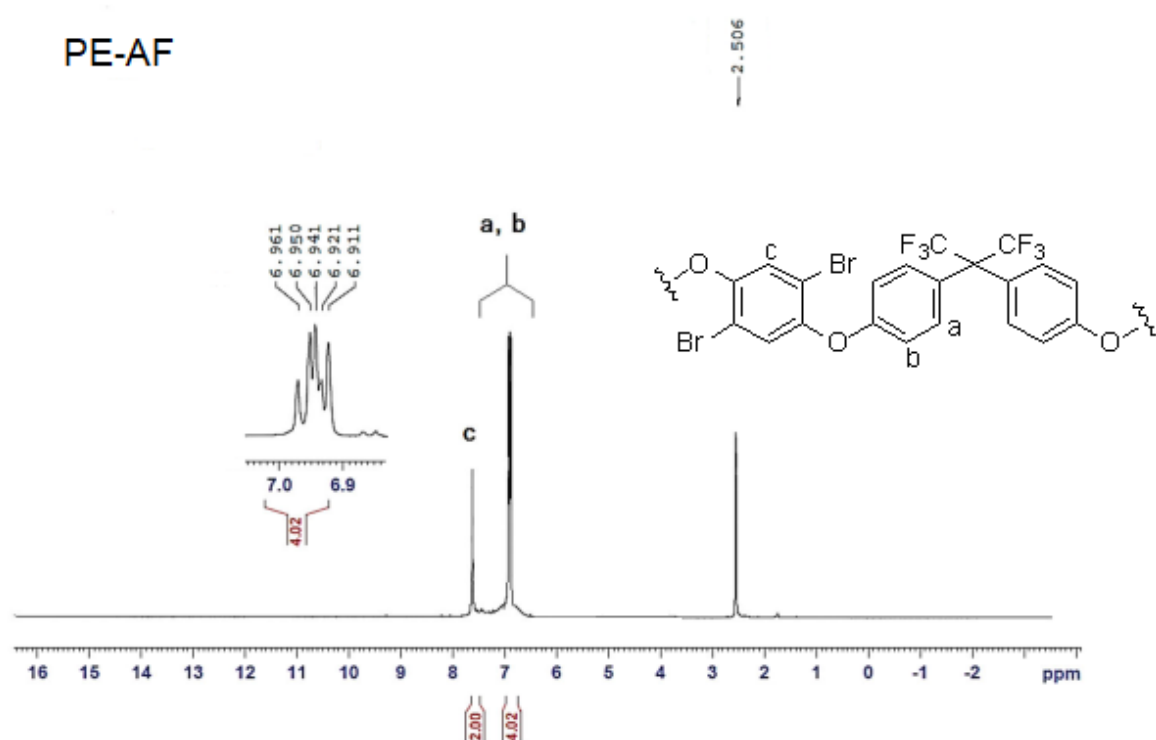


Figure S1. <sup>1</sup>H-NMR of PE-AF in DMSO-d<sub>6</sub>.

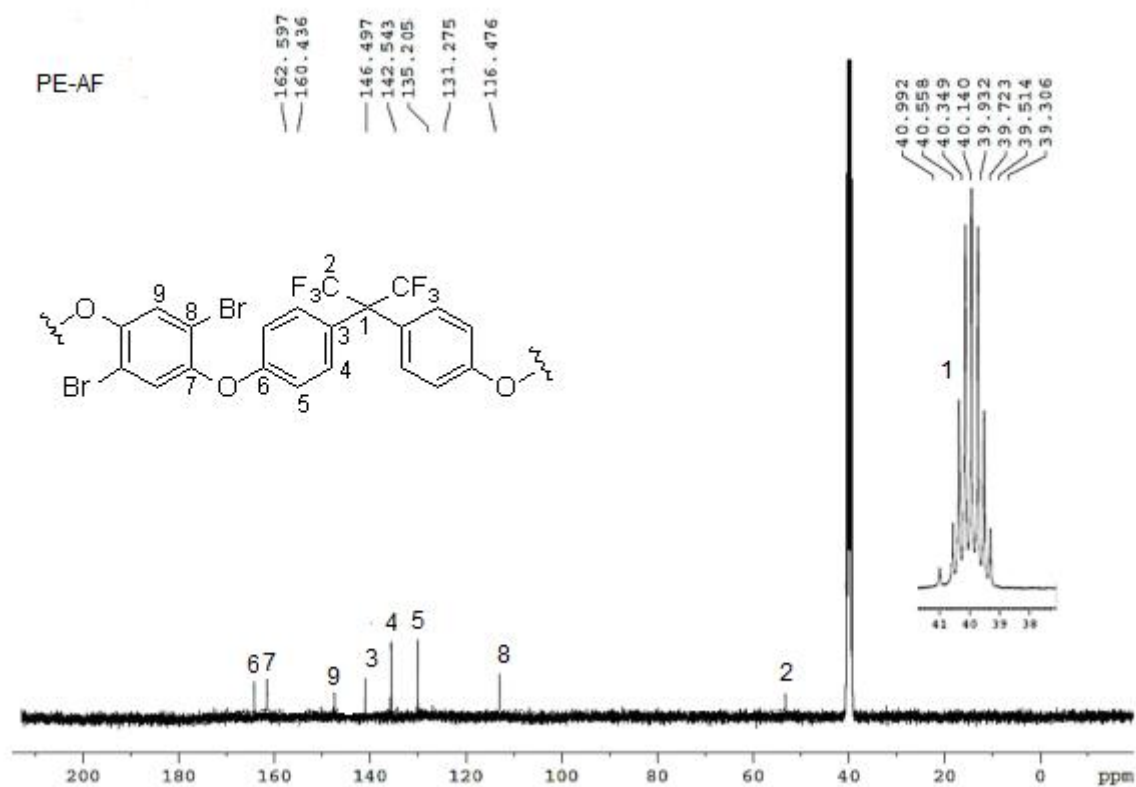


Figure S2.  $^{13}\text{C}$ -NMR of PE-AF in  $\text{DMSO-d}_6$ .

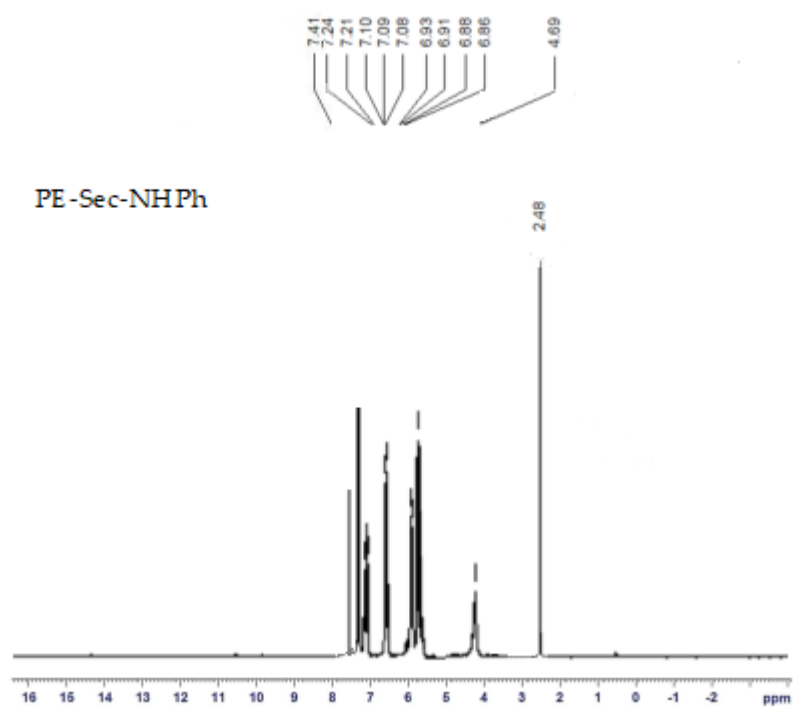
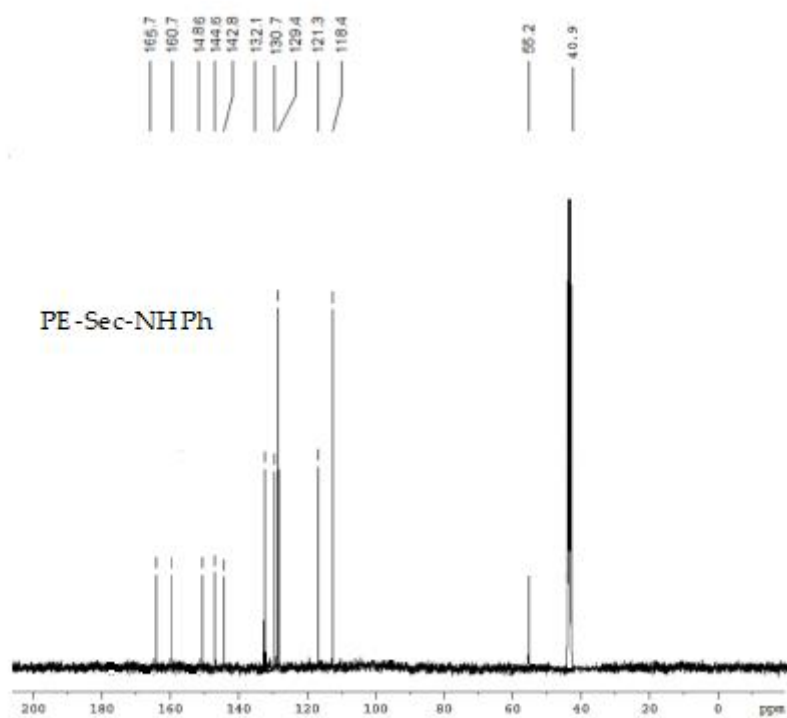


Figure S3.  $^1\text{H}$ -NMR of PE-Sec-NHPh in  $\text{DMSO-d}_6$ .



**Figure S4.** <sup>13</sup>C-NMR of PE-Sec-NHPh in DMSO-d<sub>6</sub>.