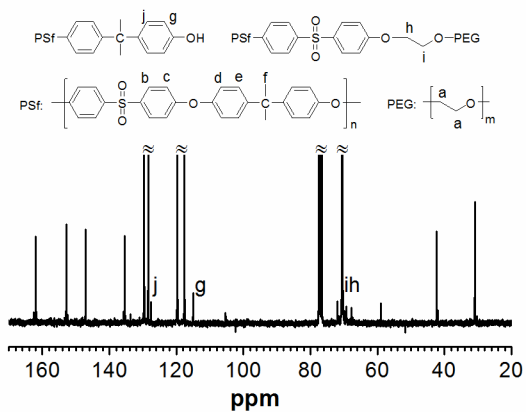
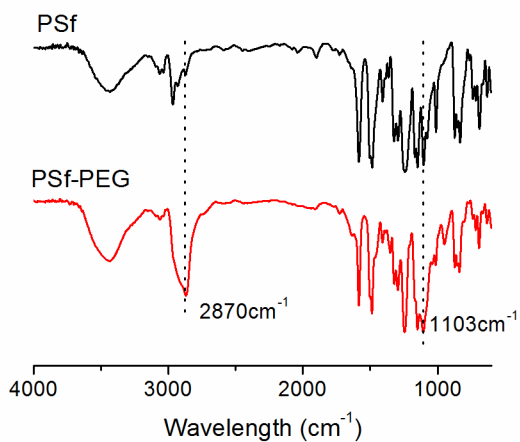


## Supporting Information



**Figure S1.** <sup>13</sup>C spectrum of PSf-PEG<sub>5000</sub> (31.1 wt% PEG, 15.0 h).



**Figure S2.** FTIR spectra of PSf and PSf-PEG<sub>5000</sub> (31.1 wt% PEG, 15.0 h).