## Synthesis and Characterization of copoly(ether sulfone)s with different percentages of diphenolic acid units

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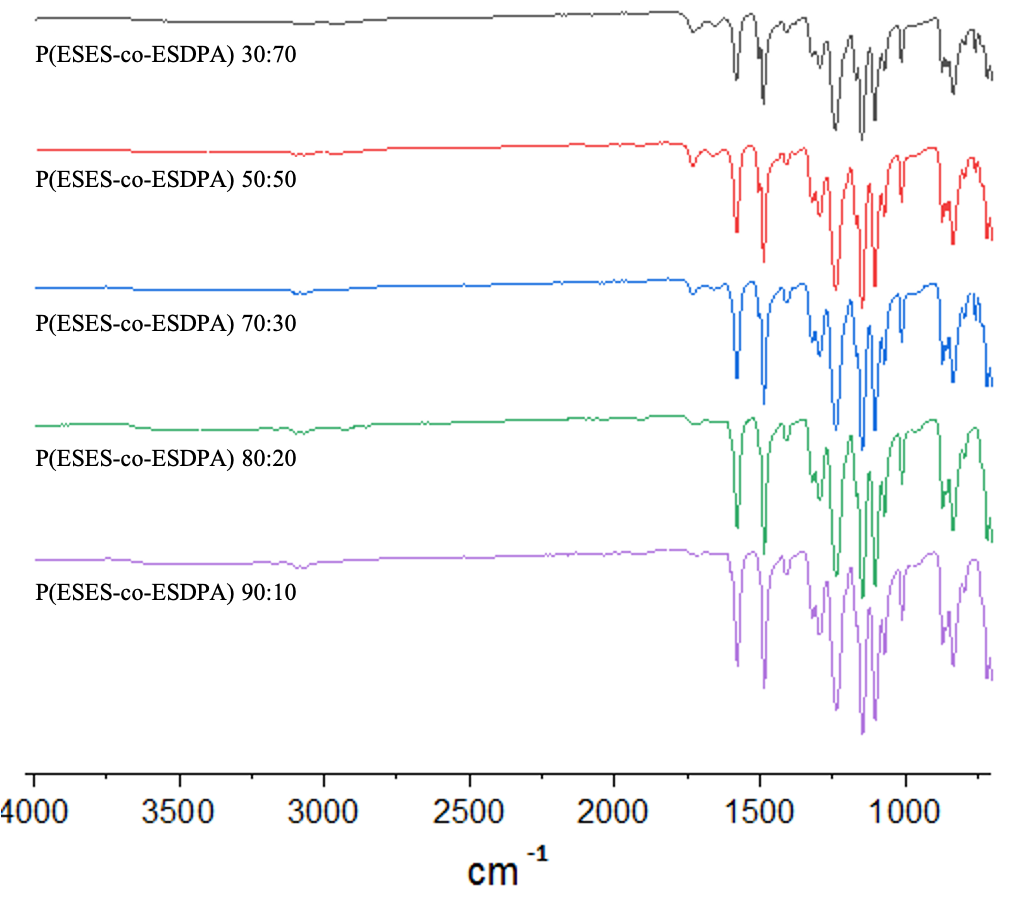
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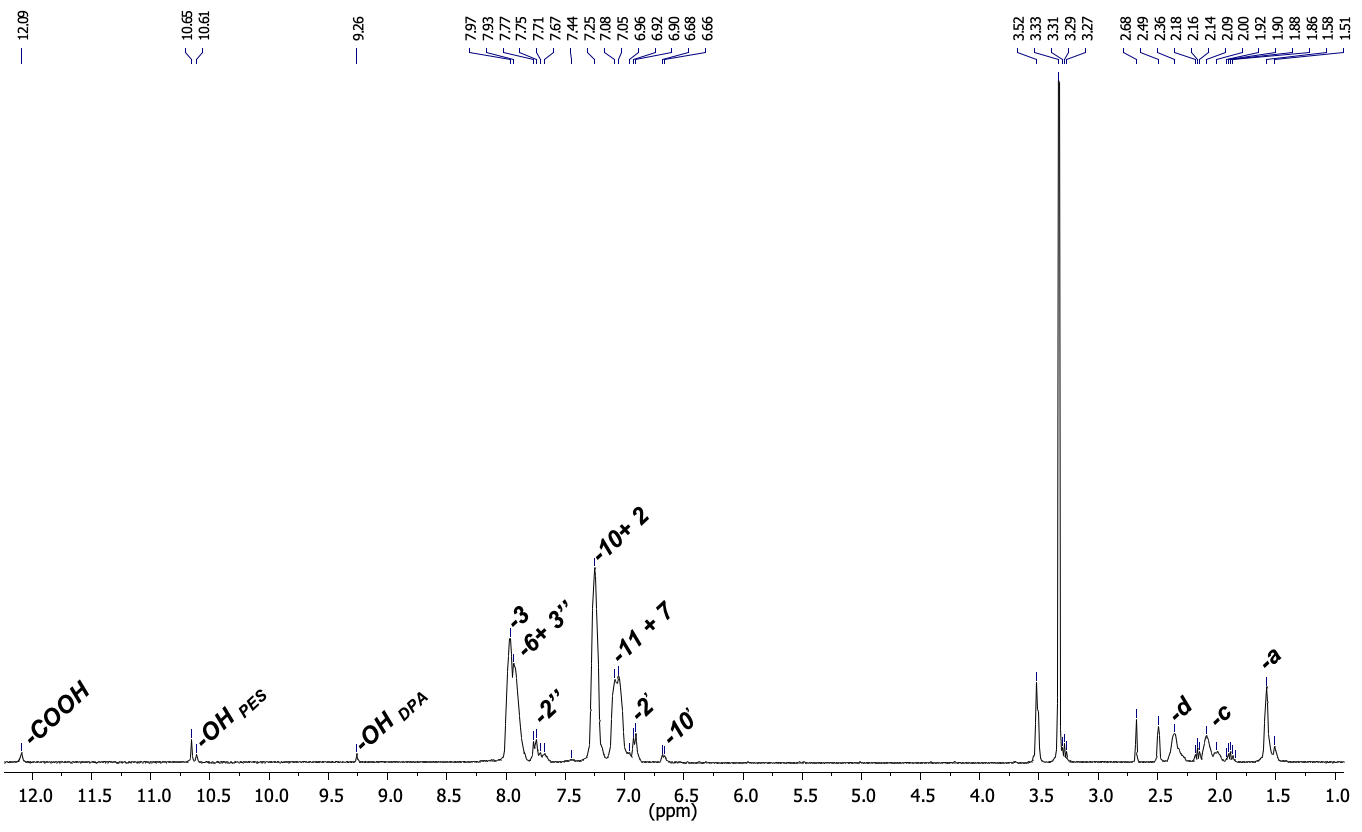
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**Supporting Information**

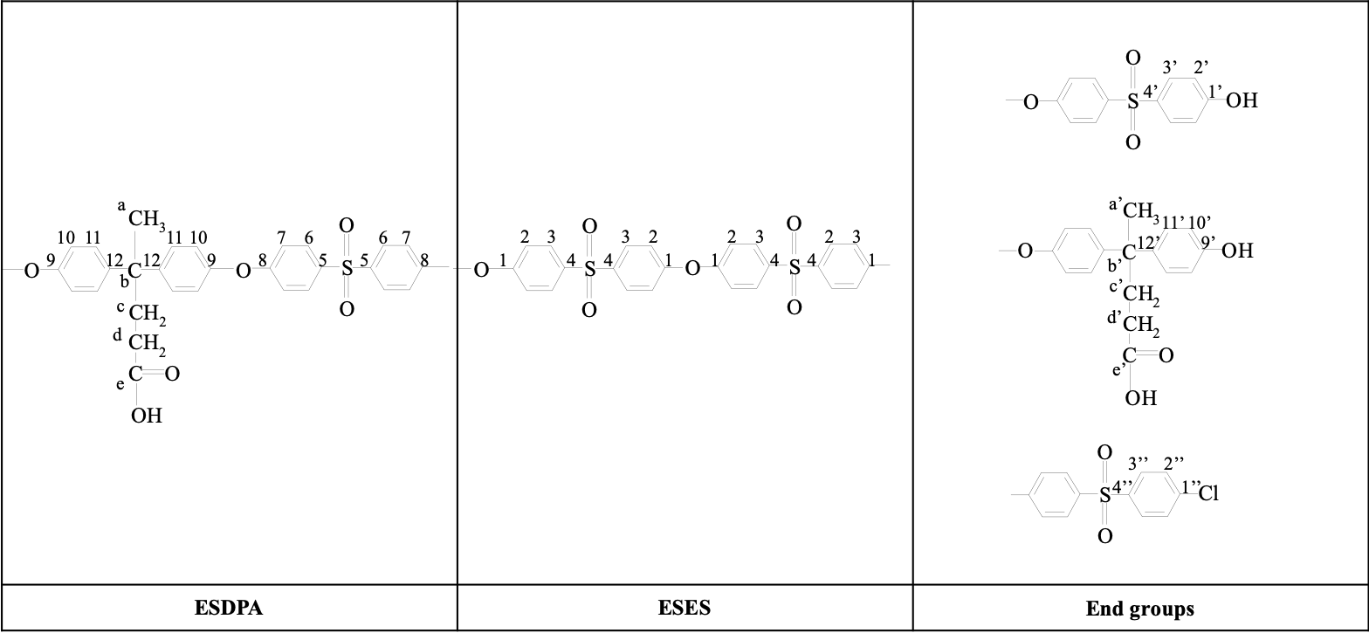
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**Figure S1.** FT-IR spectra of P(ESES-co-ESDPA) copolymers.

* 1. **1H-NMR**



**Figure S2.** 1H-NMR **(a)** and 13C-NMR **(b)** spectra of P(ESES-co-ESDPA) 50:50



**Figure S3.** Proton and Carbon assignments of P(ESES-co-ESDPA) 50:50.



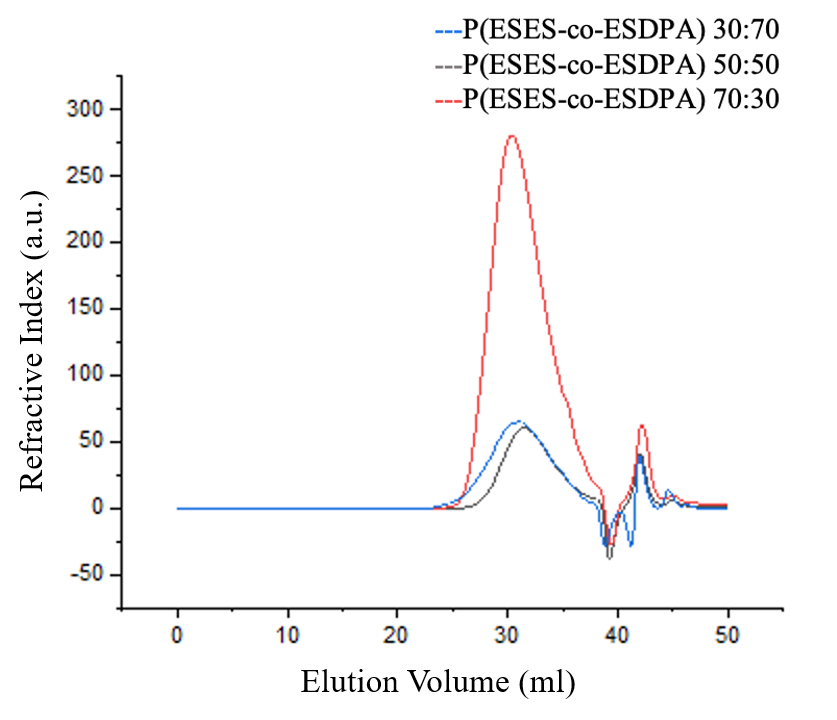
**Figure S4.** Aliphatic region of13C-NMR spectra of P(ESES-co-ESDPA) copolymers: (a) 70.30, (b) 50:50 and (c) 30:70.



**Figure S5.** 13C-NMR spectrum of P(ESES) homopolymer.



**Figure S6.** 13C-NMR spectrum of P(ESDPA) homopolymer.

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**Figure S7.** Overlay of the SEC traces of three P(ESES-co-ESDPA) samples 30:70, 50:50 and 70:30 recorded using THF as solvent.