

Phenolphthalein Anilide Based Poly(Ether Sulfone) Block Copolymers Containing Quaternary Ammonium and Imidazolium Cations: Anion Exchange Membrane Materials for Microbial Fuel Cell

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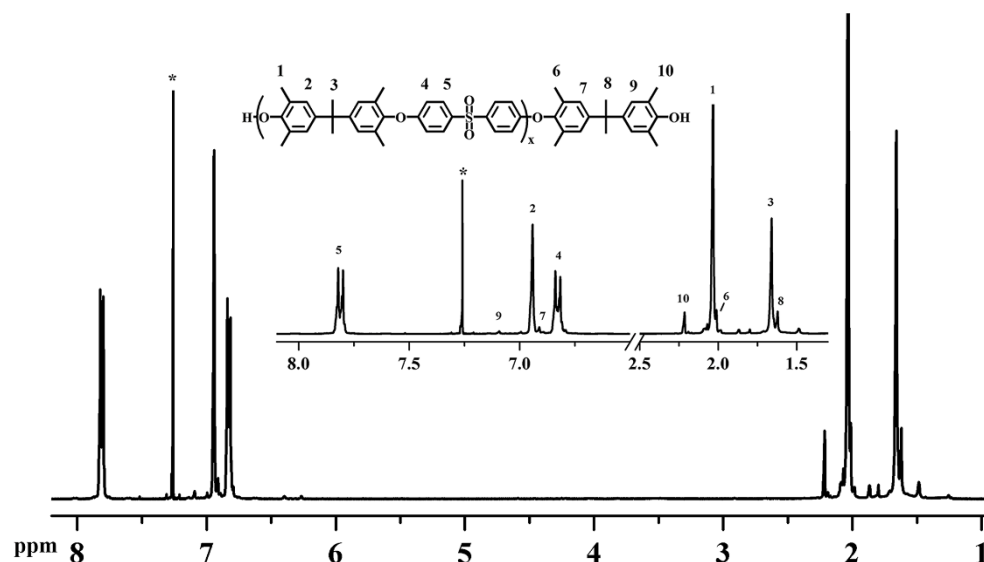


Figure S1. ¹H NMR spectrum of PES-1 recorded in CDCl₃ at 25 °C.

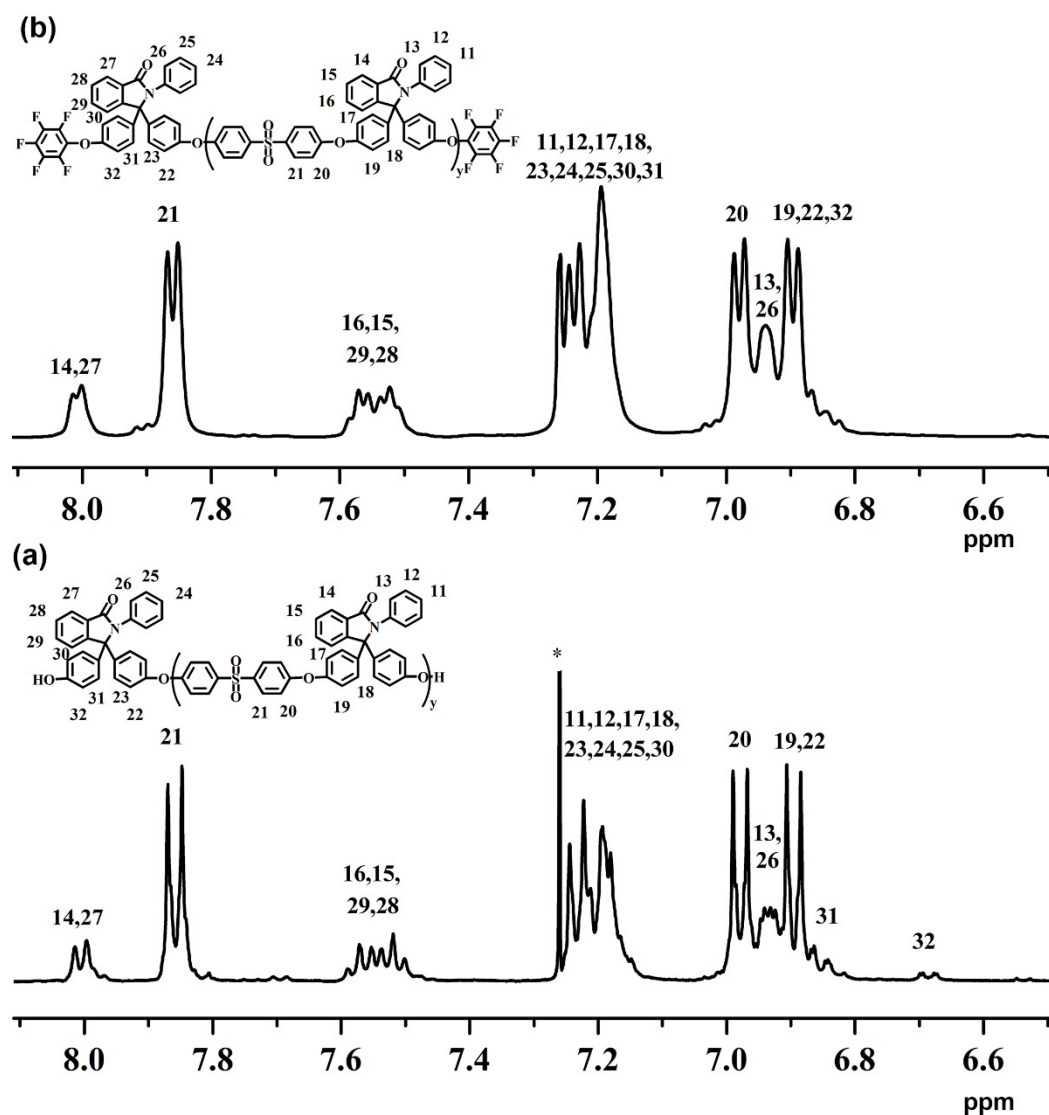


Figure S2. ^1H NMR spectra of (a) PES-2 and (b) PES-3 recorded in CDCl_3 at 25°C .

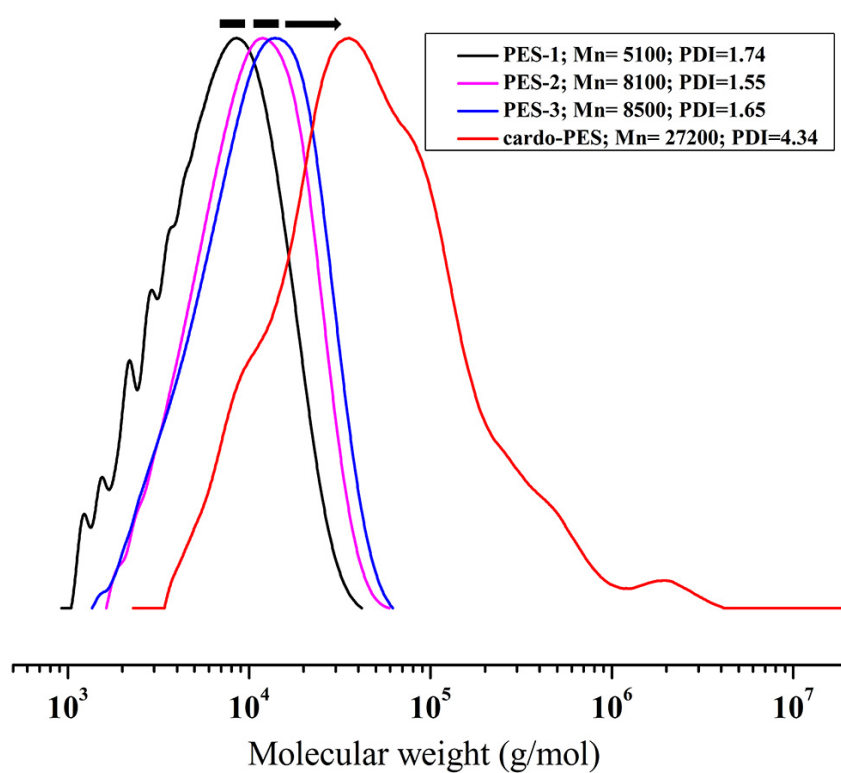


Figure S3. SEC traces of oligomers and precursor block copolymer.

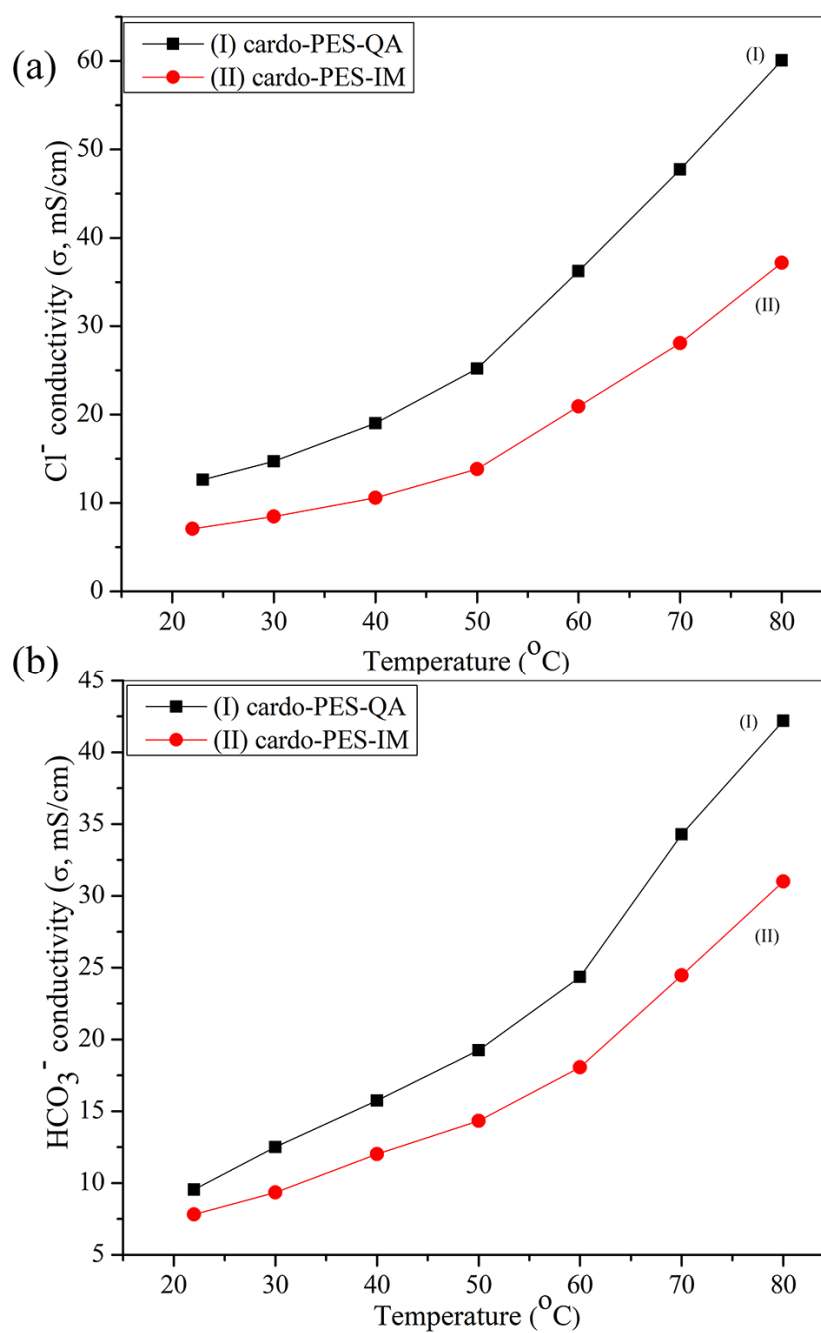


Figure S4. Temperature dependence of (a) Cl^- and (b) HCO_3^- conductivity of the AEMs.

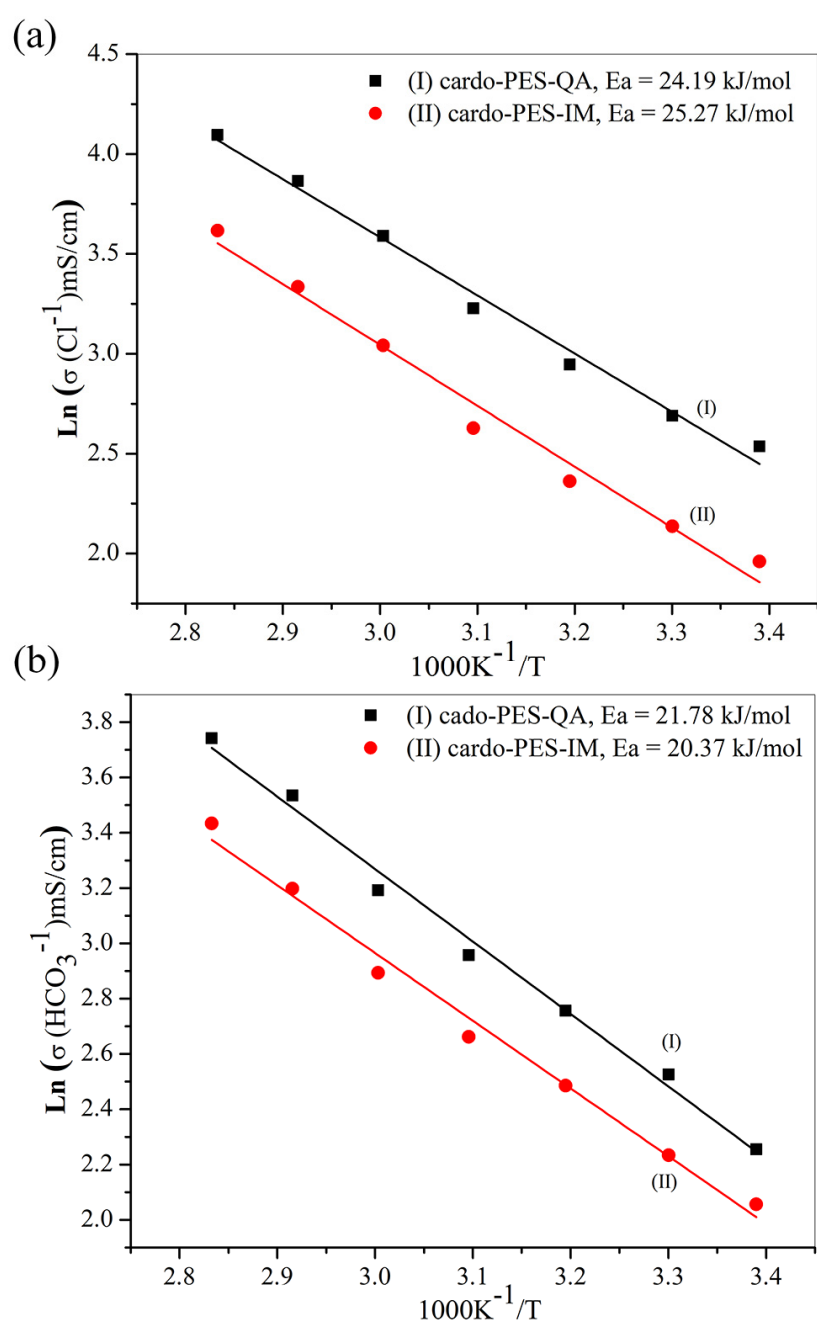


Figure S5. Arrhenius temperature dependence of (a) Cl-1 and (b) HCO₃-1 conductivity (σ) of the AEMs.