

# Electronic Supplementary Information

## Quaternized Poly(arylene ether)s Ionomers Containing Triphenyl Methane Groups for Alkaline Anion Exchange Membranes

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Supplementary <sup>1</sup>H NMR spectra were shown below.

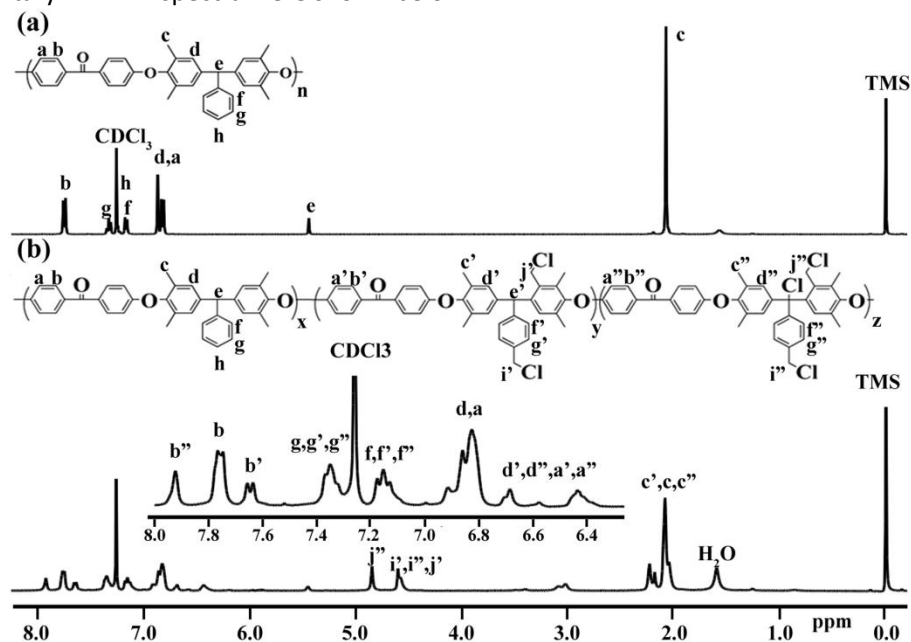
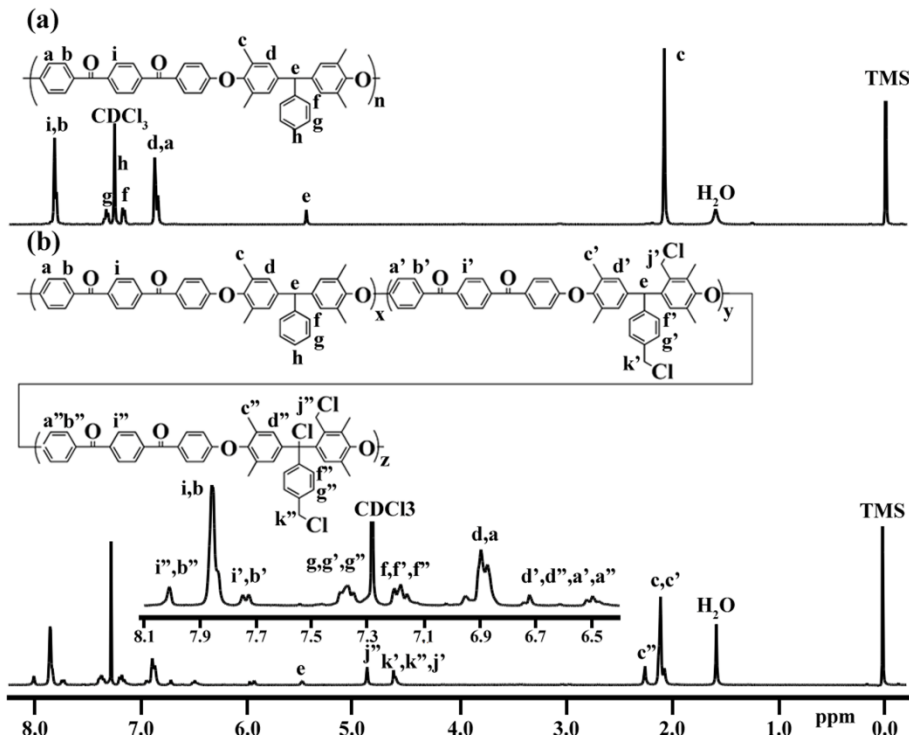


Fig. S1 <sup>1</sup>H NMR spectra of PAE-b and CMPAE-b.



**Fig. S2**  $^1\text{H}$  NMR spectra of PAE-c and CMPAE-c.

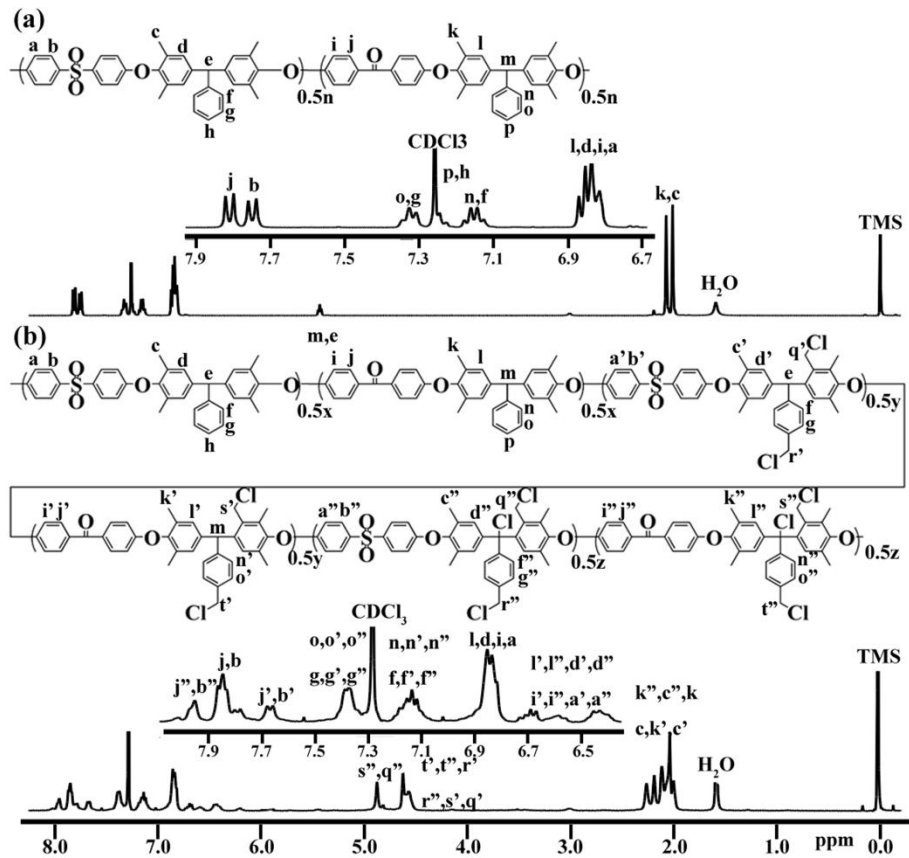


Fig. S3  $^1\text{H}$  NMR spectra of PAE-d and CMPAE-d.