

Supporting Information

Convenient Divergent Synthesis of Linear-Dendron Block Polyphosphoesters via Acyclic Diene Metathesis Polymerization

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Some figures showing ^1H NMR, ^{13}C NMR and FT-IR spectra, MALLS-GPC curves, and DLS and TEM images

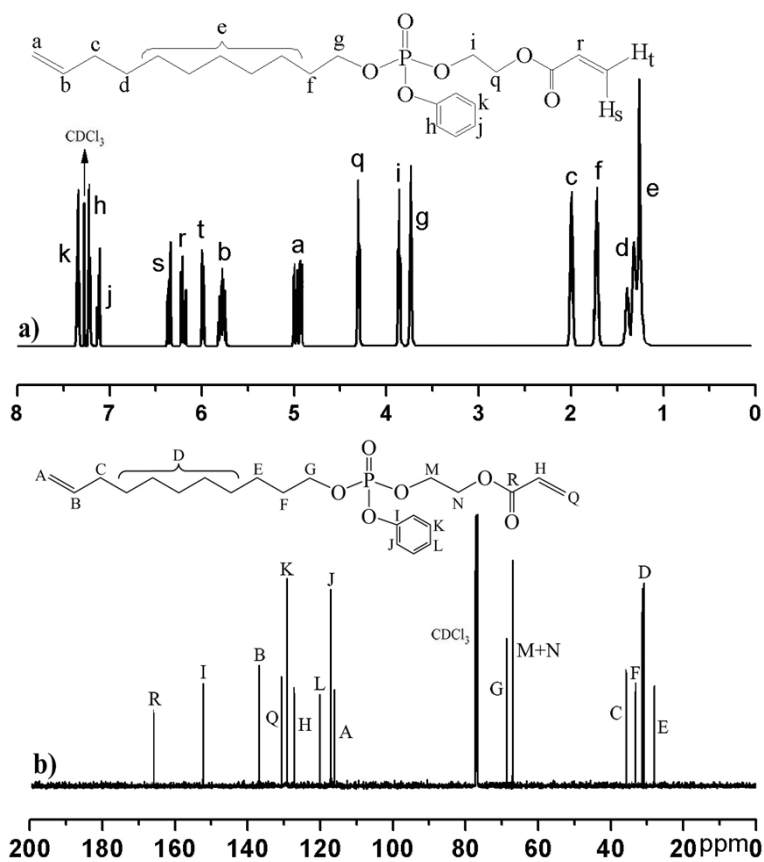


Fig. S1 ^1H NMR and ^{13}C NMR spectra for phosphoester functional asymmetric α,ω -diene monomer, **M1**.

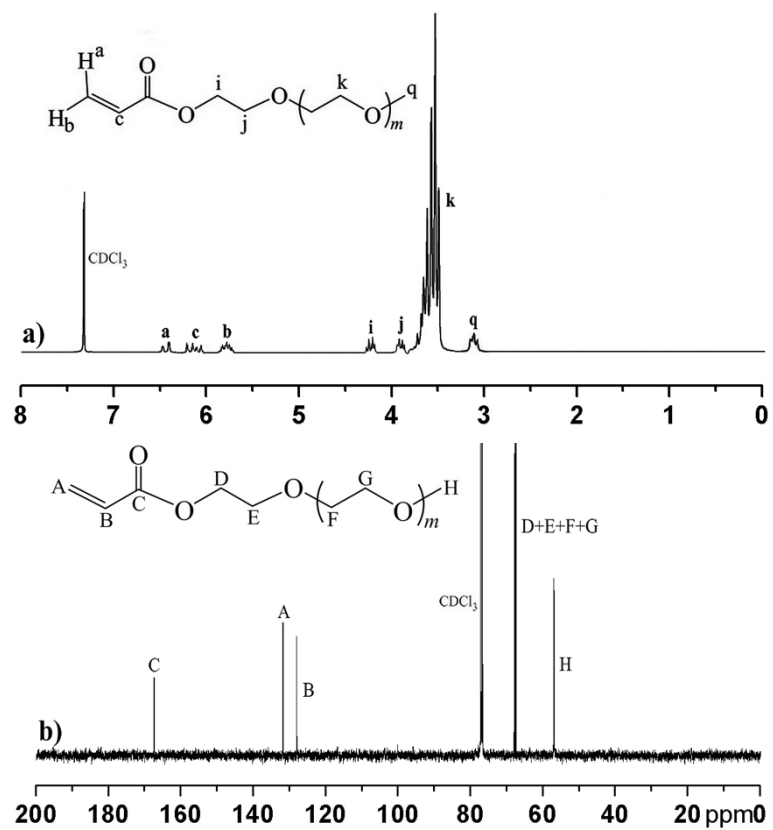


Fig. S2 ^1H NMR and ^{13}C NMR spectra for linear macromolecular chain stopper **PEG-Acrylate**.

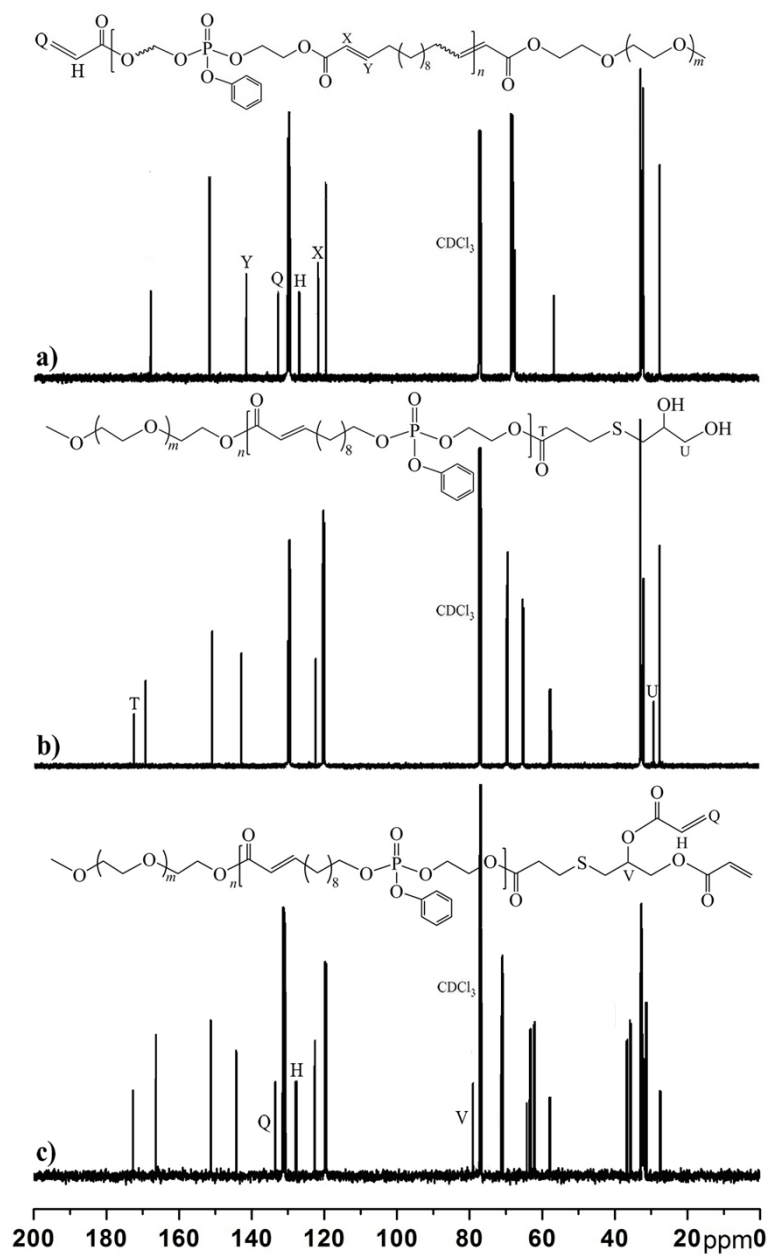


Fig. S3 ^{13}C NMR spectra for (a) $l\text{-D0-Acrylate}$, (b) $l\text{-D0-2OH}$, and (c) $l\text{-D0-2Acrylate}$ block PPEs.

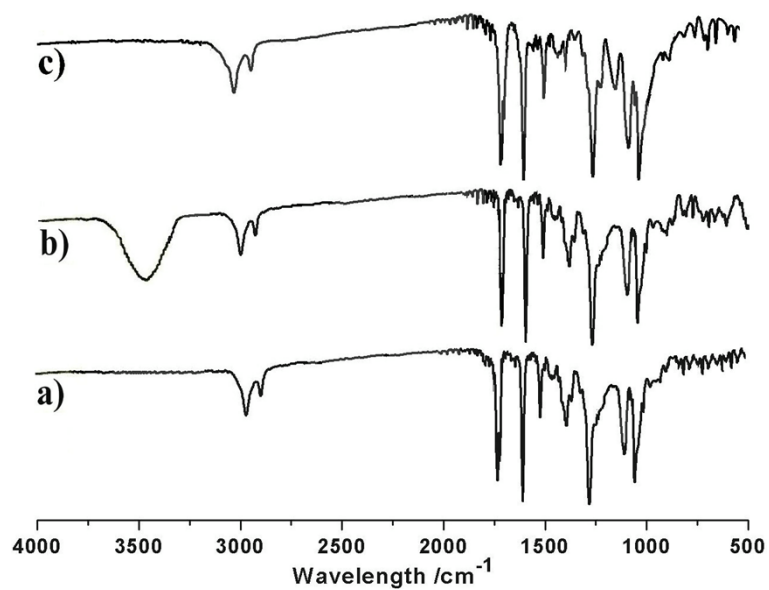


Fig. S4 FT-IR spectra for (a) *l*-D0-Acrylate, (b) *l*-D0-2OH, and (c) *l*-D0-2Acrylate block PPEs.

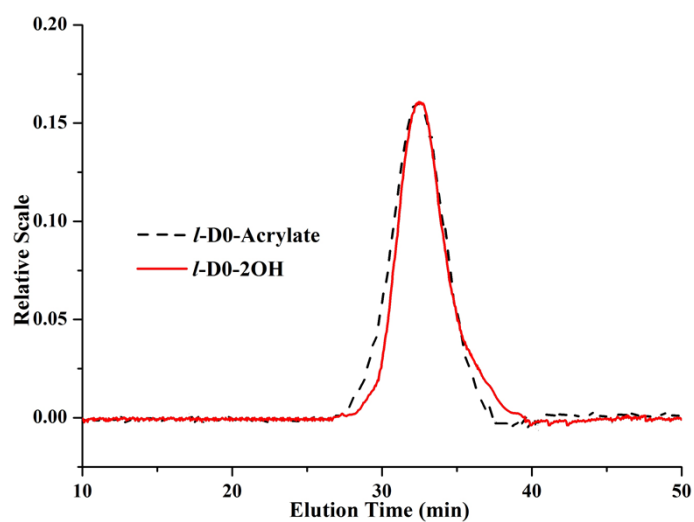


Fig. S5 Representative multiangle laser light scattering-gel permeation chromatography chromatograms for *l*-D0-2OH and *l*-D0-2Acrylate block PPEs.

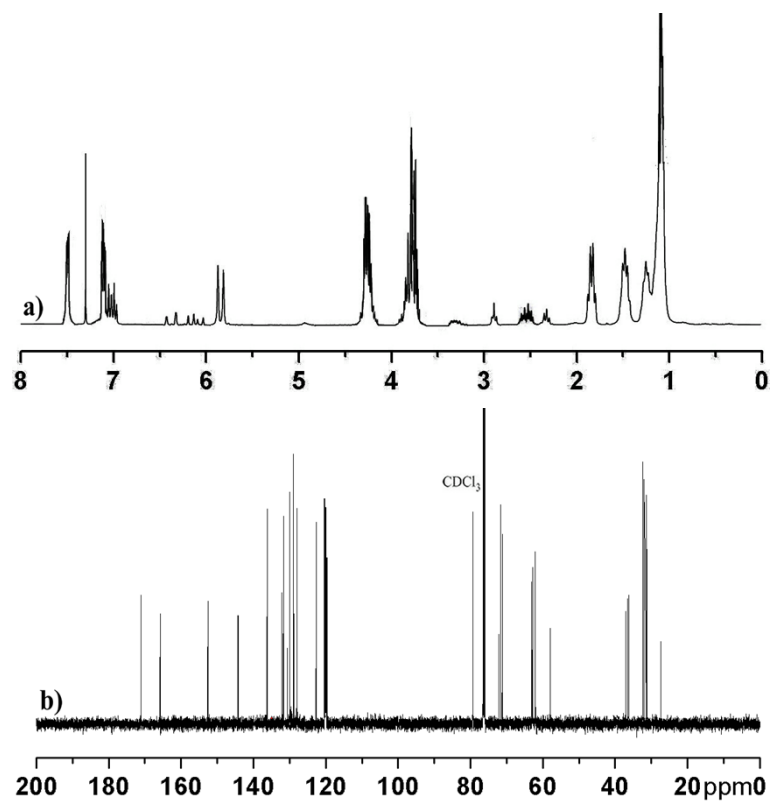


Fig. S6 ¹H NMR and ¹³C NMR spectra for *l*-D3-8Acrylate block PPE.

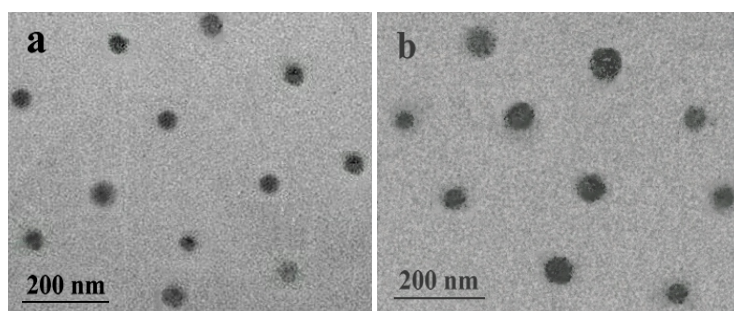


Fig. S7 TEM photographs of the self-assembled nanoparticles from these *l*-Dm copolymers in THF/water: (a) *l*-D1 and (b) *l*-D2 block PPEs.