Supporting information

Thiol-ene reaction: an efficient tool to design lipophilic polyphosphoesters for drug delivery systems

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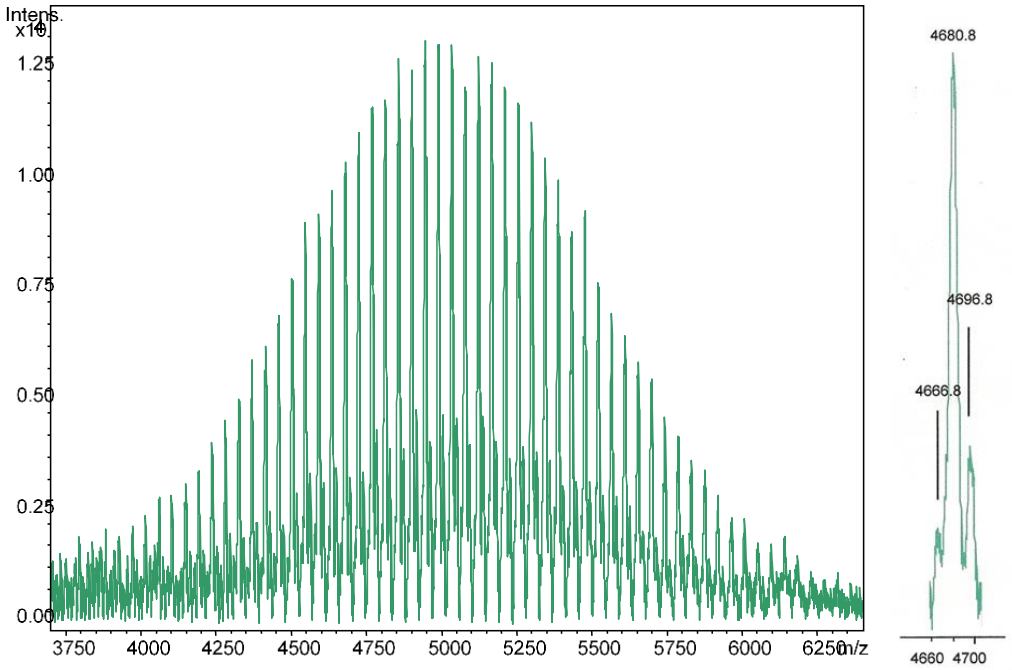

Figure S1. MALDI-TOF spectrum of the starting MeO-PEG-OH macroinitiator. On the right, the zoom of the 4660-4700 range shows peaks at 4680.8 and 4696.8 corresponding to the expected CH_3-O-PEG-OH cationized with sodium and potassium, respectively. The peak at 4666.8 (i.e. 14 mass units below the main peak) corresponds to the HO-PEG-OH present in the commercial product.

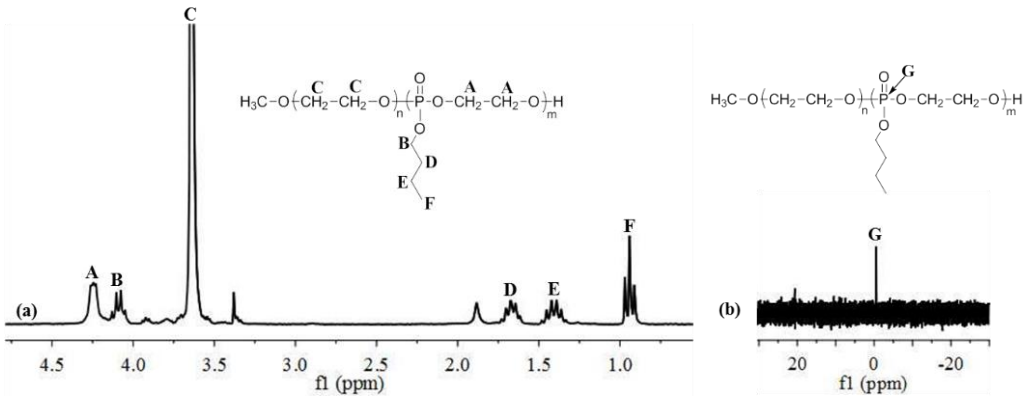

Figure S2. (a)^{1}H NMR and (b) ^{1}H-decoupled ^{31}P NMR spectra of PEG-b-PButEP

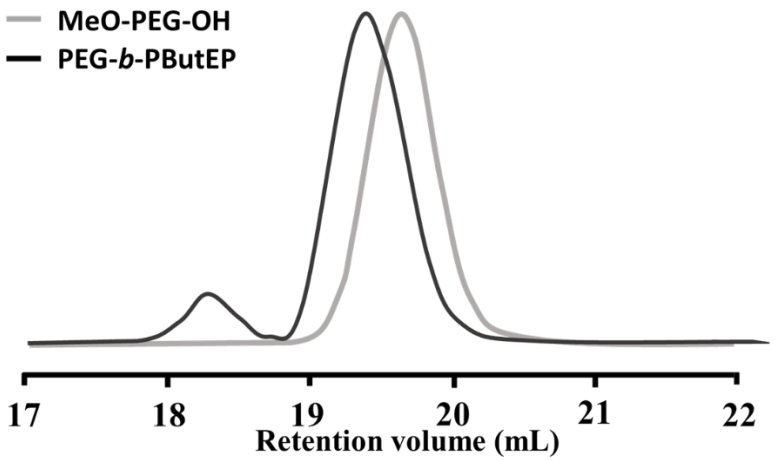

Figure S3. SEC traces in THF of PEG-b-PButEP (black curve) and the starting MeO-PEG-OH (grey curve).

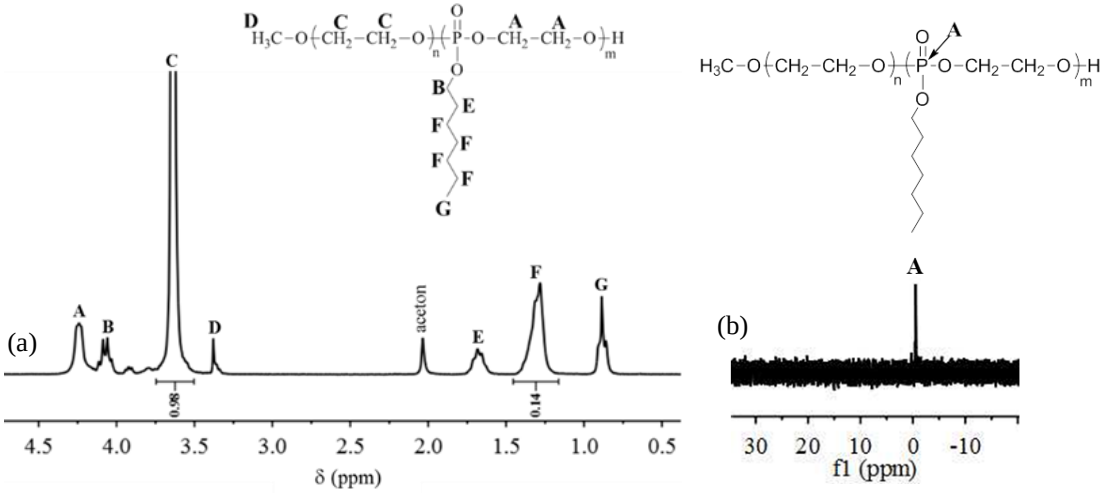

Figure S4. (a)^{1}H NMR and (b) ^{1}H-decoupled ^{31}P NMR spectra of PEG-b-PHEP

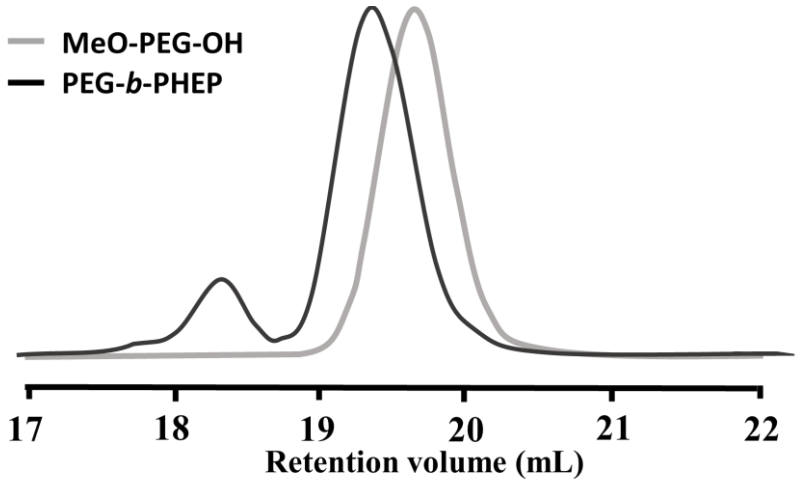

Figure S5. SEC traces in THF of PEG-b-PHEP (black curve) and the starting MeO-PEG-OH (grey curve).