

Supplementary Information

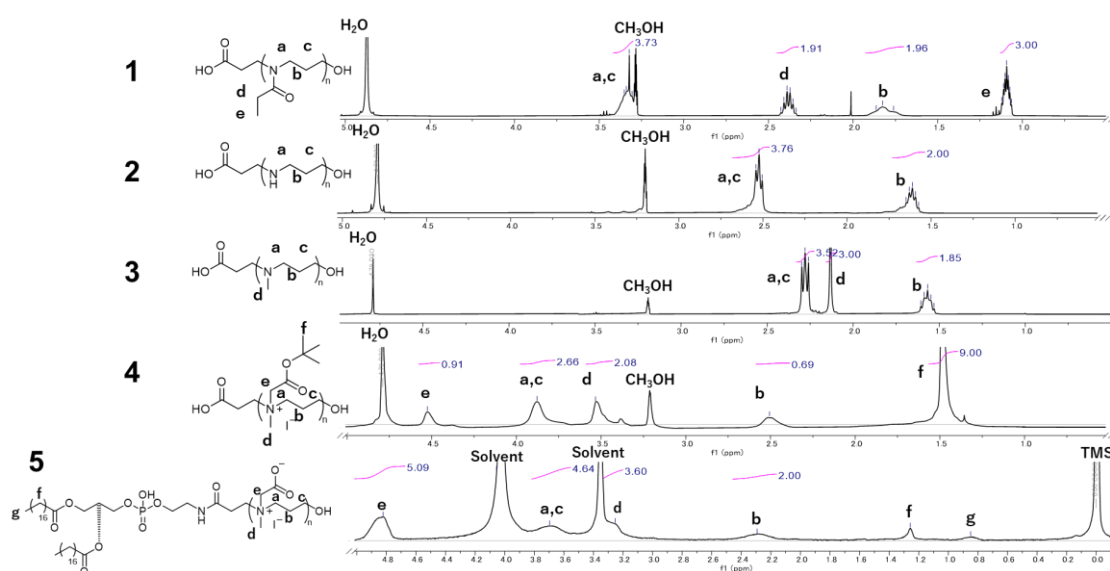
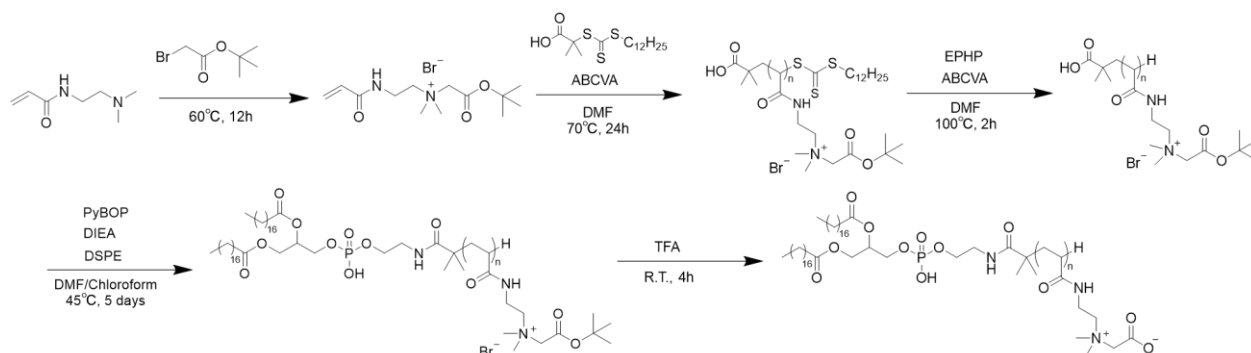


Figure S1. The ^1H NMR spectra of compound 1 to 5.



Scheme S1. Synthesis of PCB-modified lipid.

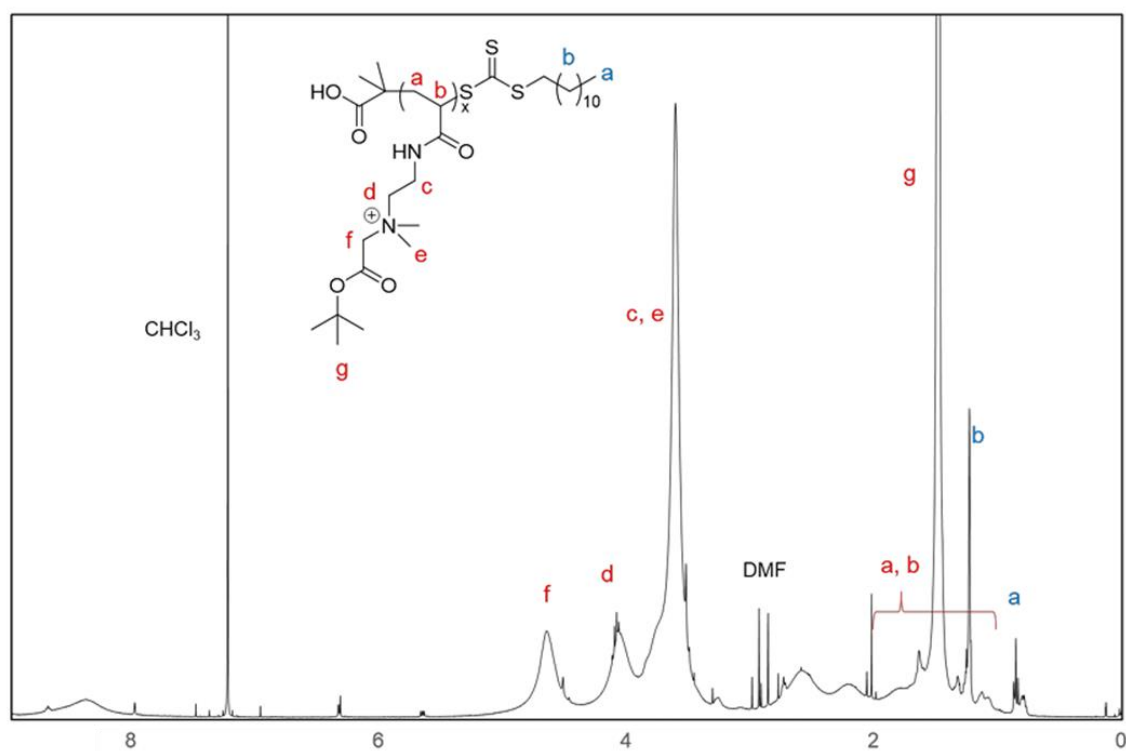


Figure S2. The ^1H NMR spectra of PCB (400 MHz, CDCl_3).

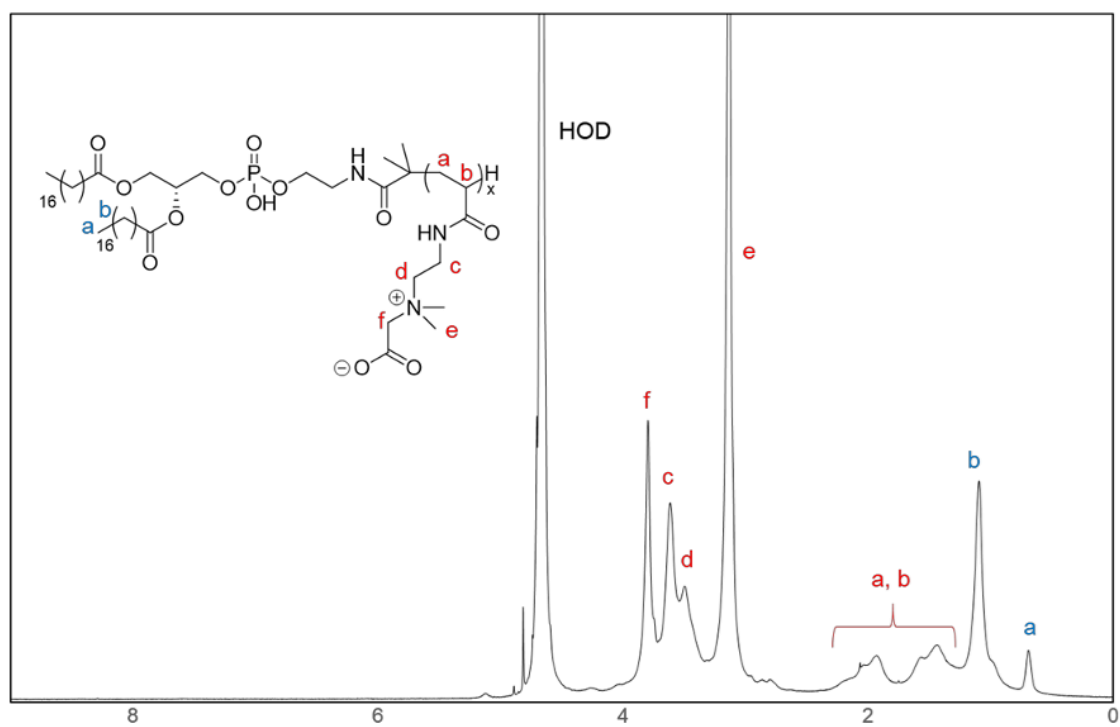


Figure S3. The ^1H NMR spectra of PCB-modified lipid (400 MHz, D_2O).

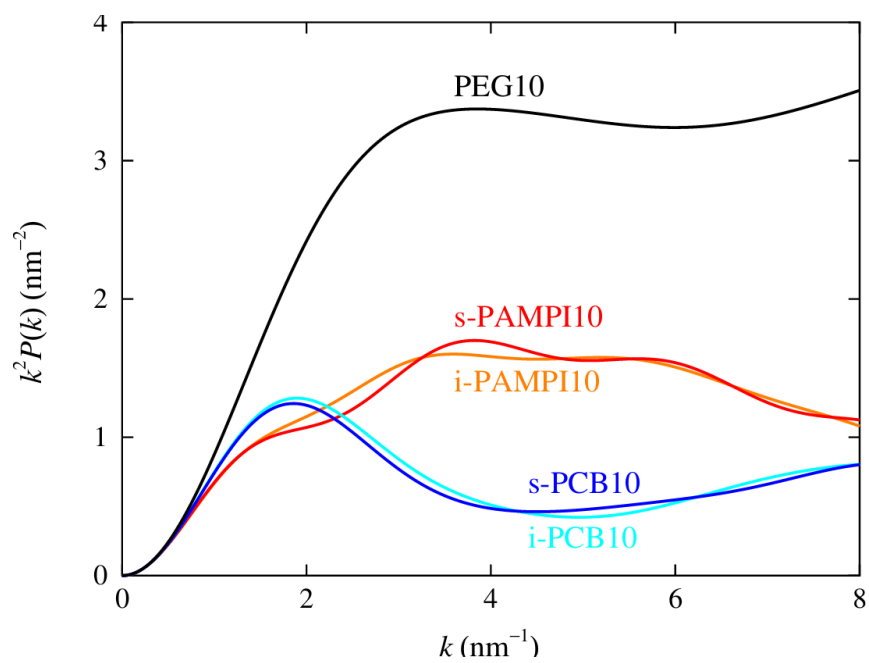


Figure S4. Polymer conformational behavior represented by Kratky plots of $P(k)$.

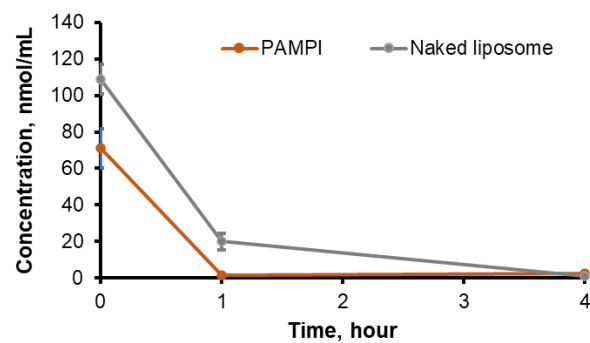


Figure S5. Blood retention profile of PAMPI-modified liposome vs naked liposome within 4h post-injection. Each value represents the mean \pm S.D. (n = 3).

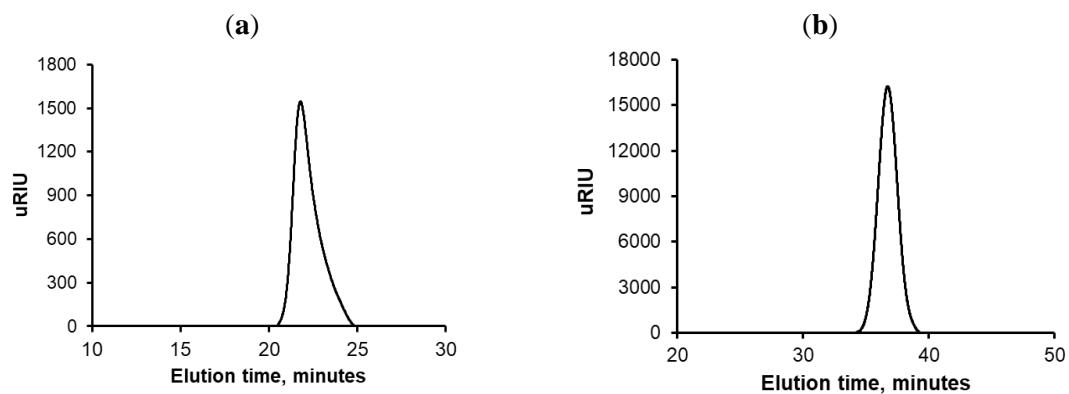


Figure S6. The GPC chromatogram of (a) PAMPI and (b) PCB.

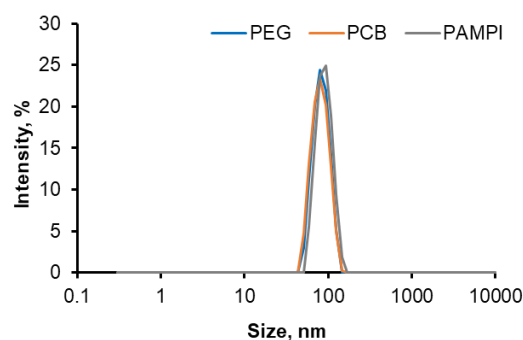
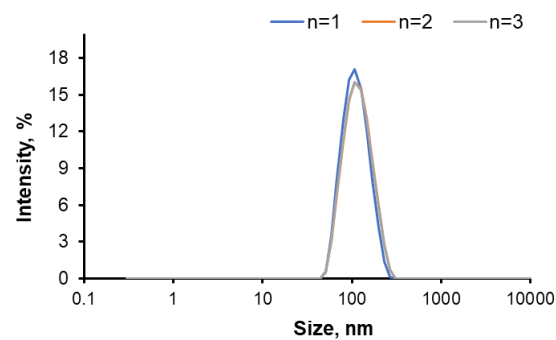


Figure S7. The size-distribution curve of each polymer-modified liposomes characterized by DLS.



| | |
|------------------------|-------------------|
| Diameter, nm | 108.53 ± 2.27 |
| PDI | 0.13 ± 0.01 |
| ζ -potential, mV | -8.3 ± 6.3 |

Figure S8. The properties of naked liposome assessed in Figure S5 characterized by DLS.

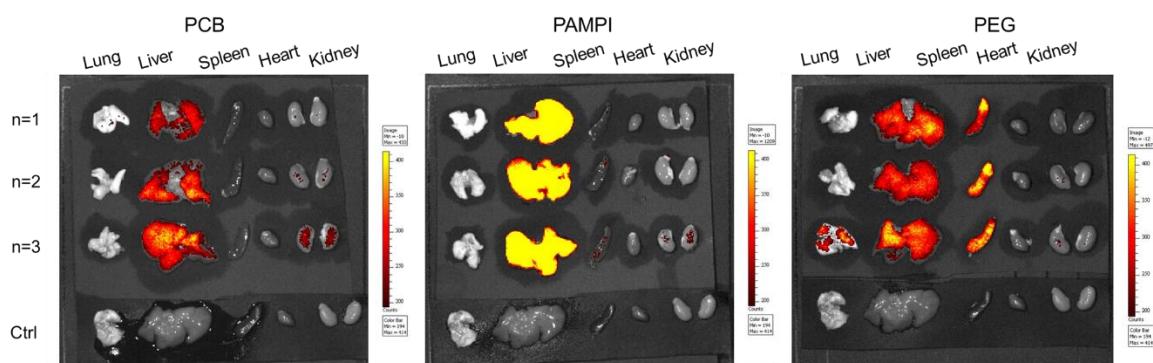


Figure S9. The biodistribution of polymer-modified liposome (n= 3) detected at 24h post-second administration of liposome.