
Supplementary Data for

Amphiphilic miktoarm star copolymer (PCL)₃-(PDEAEMA-*b*-PPEGMA)₃ as pH-sensitive micelles in the delivery of anticancer drug

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Table S1 GPC and ¹H NMR data of (PCL)₃-Br₃ polymers

Polymer ^a	$M_{n, TH}$ ^b	$M_{n, GPC}$ ^c	M_w/M_n ^c	$M_{n, NMR}$ ^d
(PCL ₁₆) ₃ -Br ₃	6000	6090	1.28	6173
(PCL ₂₅) ₃ -Br ₃	10500	9459	1.45	9251
(PCL ₃₃) ₃ -Br ₃	12000	10376	1.59	11987

^a The subscripts of PCL were the polymerization degree of PCL (*x*) calculated from ¹H NMR spectra.

^b Calculated by feed ratio of monomer to initiator.

^c Measured by GPC in THF.

^d Calculated by the equations $M_{n, (PCL)_3-Br_3} = 114 \times x \times 3 + 701$.

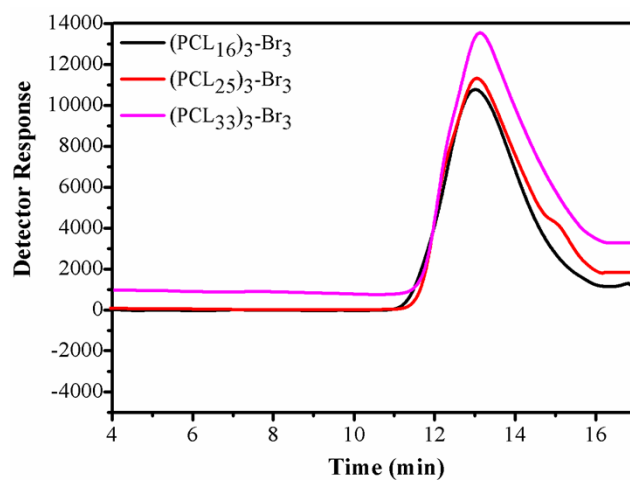


Fig. S1 GPC traces of (PCL)₃-Br₃ products.

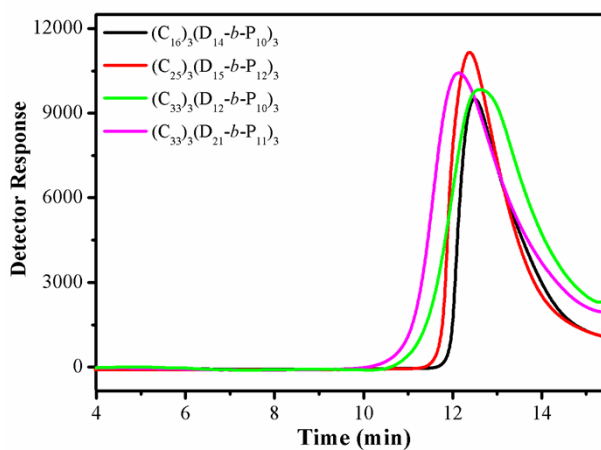


Fig. S2 GPC traces of (PCL)₃-(PDEAEMA-*b*-PPEGMA)₃ products.

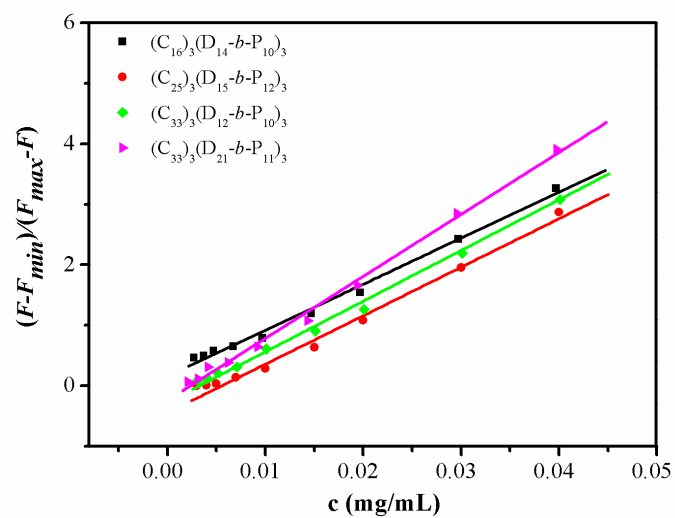


Fig. S3 Plot of $(F - F_{min}) / (F_{max} - F)$ vs concentration of $(PCL)_3$ - $(PDEAEMA$ - b - $PPEGMA)_3$ in aqueous solution.