

## Well-defined biodegradable Amphiphilic Conetworks

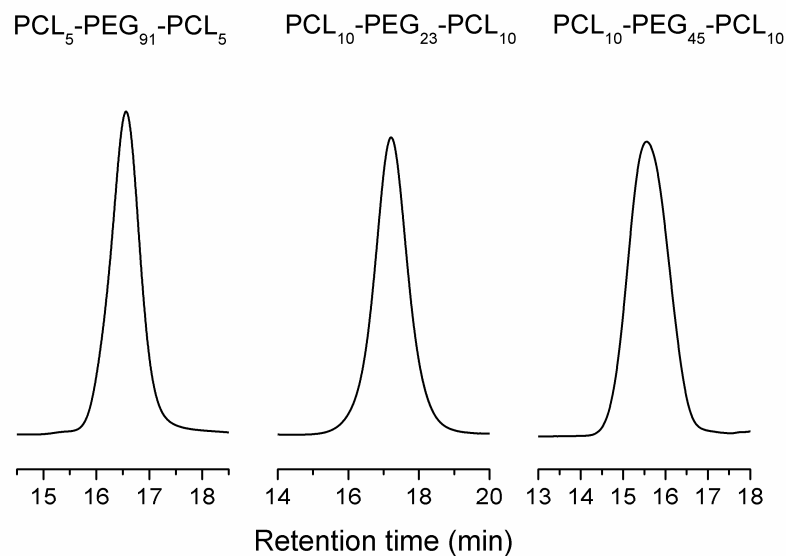
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### Supporting Information

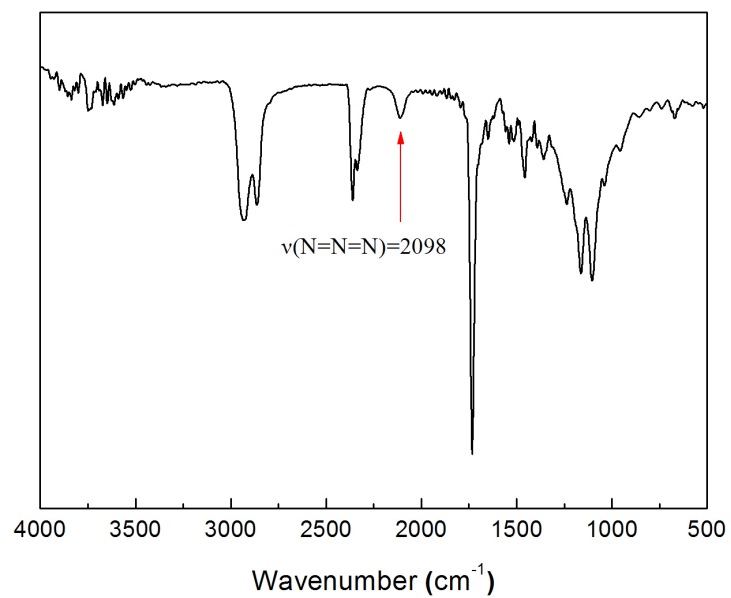
**Table S1.** Characterization of N<sub>3</sub>-PCL<sub>y</sub>-PEG<sub>x</sub>-PCL<sub>y</sub>-N<sub>3</sub>

Sample	$M_{\text{PEG}}:M_{\text{PCL}}^a$ (KDa)	$M_{\text{n,calc}}^a$ (KDa)	$M_{\text{n,NMR}}^b$ (KDa)	$M_{\text{n,SEC}}^c$ (KDa)	PDI <sup>c</sup>	PCL in Gel (wt%)
PCL <sub>10</sub> -PEG <sub>23</sub> -PCL <sub>10</sub>	1 : 2	3.0	3.3	5.4	1.08	68.6
PCL <sub>10</sub> -PEG <sub>45</sub> -PCL <sub>10</sub>	2 : 2	4.0	4.4	8.1	1.22	48.8
PCL <sub>5</sub> -PEG <sub>91</sub> -PCL <sub>5</sub>	4 : 1	4.6	5.2	8.0	1.03	24.1

<sup>a</sup> Theoretical  $M_{\text{n}}$  based on feeding ratio of CL/PEG. <sup>b</sup> Calculated from <sup>1</sup>H NMR based on ethylene glycol (EG) unit (4H at 3.6 ppm) and caprolactone (CL) unit (2H at 2.2 ppm). <sup>c</sup> Determined by SEC measurement using polystyrene standards.



**Figure S1.** SEC profiles of the  $\text{Br-PCL}_y\text{-PEG}_x\text{-PCL}_y\text{-Br}$  triblock copolymers.



**Figure S2.** FT-IR spectrum of  $\text{N}_3\text{-PCL}_{10}\text{-PEG}_{23}\text{-PCL}_{10}\text{-N}_3$