

Supplementary Information

Supramolecular amphiphilic multiarm hyperbranched copolymer: synthesis,
self-assembly and drug delivery applications

Dali Wang,^{+a} Hongying Chen,^{+b} Yue Su,^{*a} Feng Qiu,^a Lijuan Zhu,^a Xiuying Huan,^a Bangshang Zhu,^c Deyue Yan^a Fulin Guo^{*b} and Xinyuan Zhu^{*ac}

^a *School of Chemistry and Chemical Engineering, State Key Laboratory of Metal Matrix Composites, Shanghai*

Jiao Tong University, 800 Dongchuan Road, Shanghai 200240, P. R. China.

^b *Department of Oral and Maxillofacial Surgery, The First Affiliated Hospital of Harbin Medical University, 23*

Youzheng Street, Nangang District, Harbin 150001, P. R. China.

^c *Instrumental Analysis Center, Shanghai Jiao Tong University, 800 Dongchuan Road, Shanghai 200240, P. R.*

China.

⁺ These authors are joint first authors.

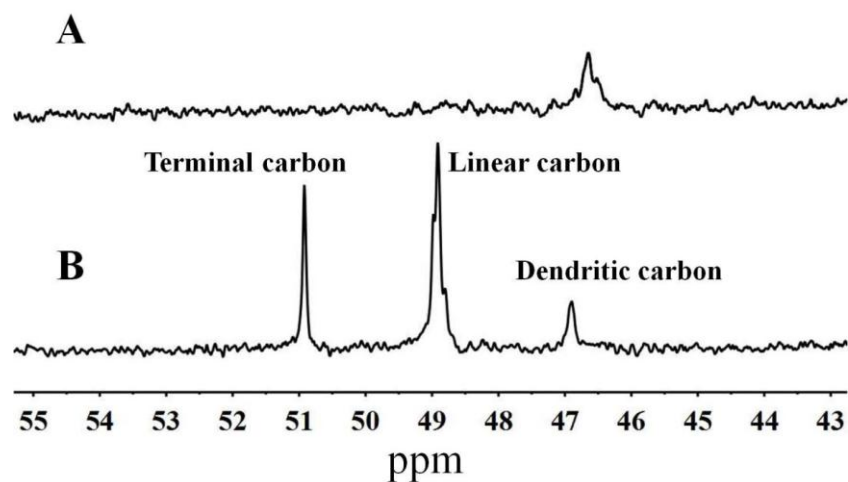


Figure S1. ^{13}C NMR spectra of (A) H40-*star*-PCL in CDCl_3 and (B) purified H40 in $\text{DMSO}-d_6$.

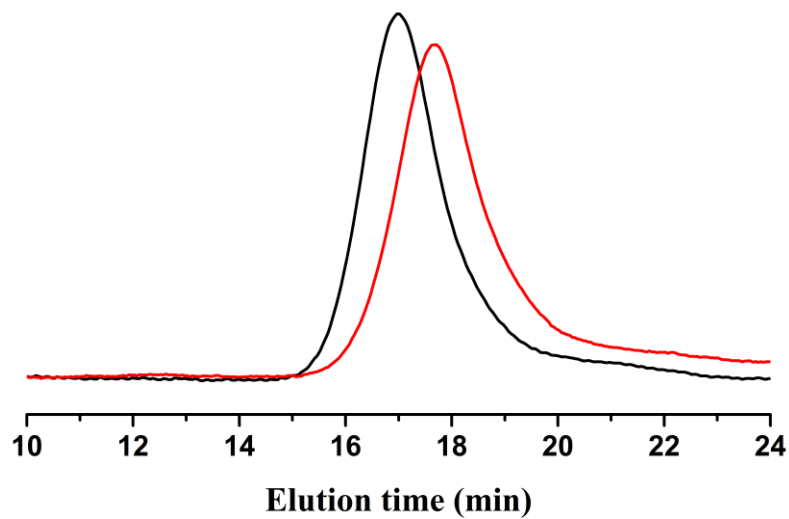


Fig. S2. GPC-MALLS curves of H40-*star*-PCL (red) and H40-*star*-PCL-A (black).

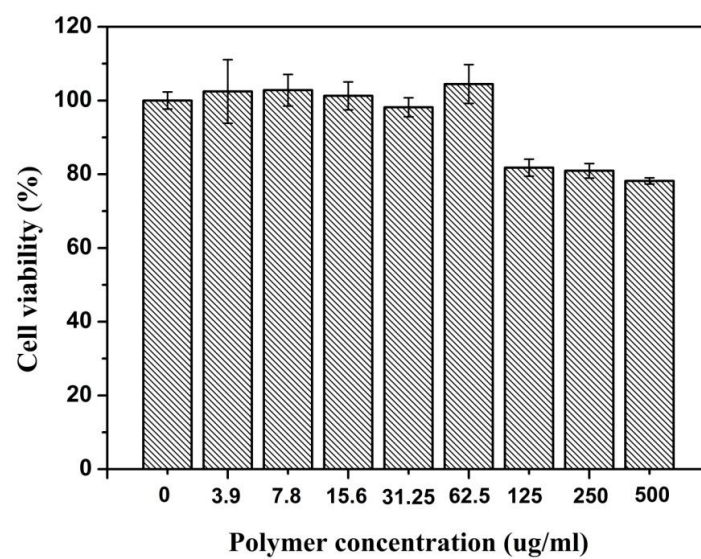


Fig. S3. Cell viability of NIH/3T3 cells against H40-*star*-PCL-A:U-PEG micelles after cultured for 24 h with different micelle concentrations.