

Supporting Information

Disulfide Bonds-Containing Amphiphilic Conetworks with Tunable Reduction-Cleavage Property

Shan Zhang, Heng Chen and Jie Kong*

Shaanxi Key Laboratory of Macromolecular Science and Technology, School of Science,
Northwestern Polytechnical University, Xi'an, 710072, P. R. China

*Corresponding Author, E-mail address: kongjie@nwpu.edu.cn, Tel.(fax): +86-29-88431621.

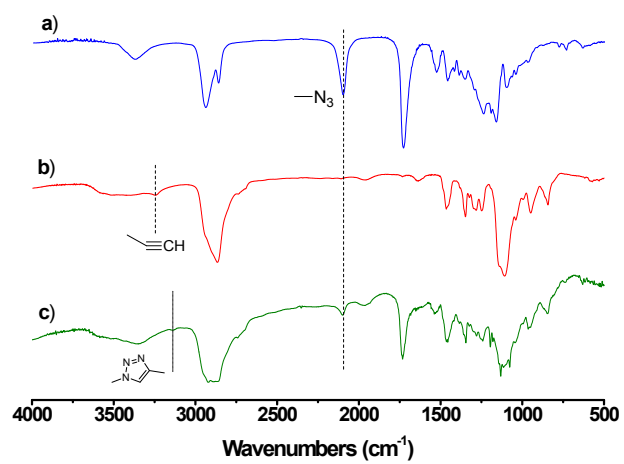


Figure S1 FT-IR spectra of A2 macromonomer (N3-PCL10-SS-PCL10-N3) (a), B4 macromonomer (b) and disulfide bonds-containing PEG-PCL based APCN-2 (c).

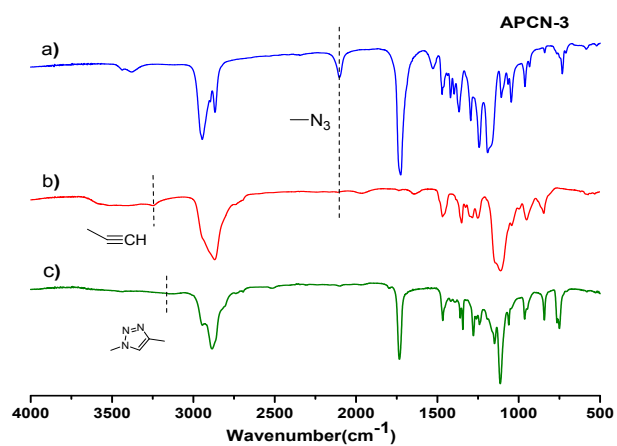


Figure S2 FT-IR spectra of A₂ macromonomer (N₃-PCL₄₀-SS-PCL₄₀-N₃) (a), B₄ macromonomer (b) and disulfide bonds-containing PEG-PCL based APCN-3 (c).

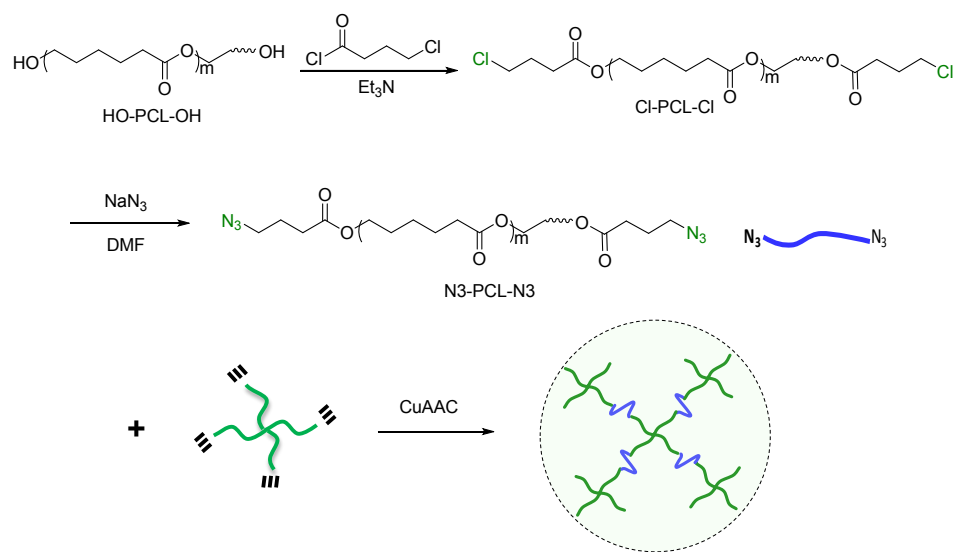


Figure S3 Synthetic route of PEG-PCL based APCN-4

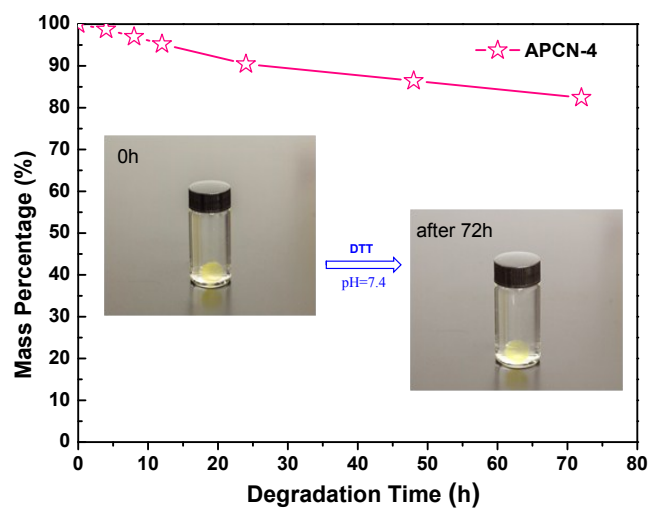


Figure S4 Mass loss profiles of APCN-4 as a function of degradation time in 1.0 mg/mL DTT-PBS solution