

Article

A Supramolecular Hydrogel Enabled by the Synergy of Hydrophobic Interaction and Quadruple Hydrogen Bonding

Liangmei Lu ^{1,†}, Wen Zhou ^{2,†}, Zhuzuan Chen ¹, Yang Hu ¹, Yu Yang ^{1,*}, Guangzhao Zhang ^{3,*} and Zhuohong Yang ^{1,*}

¹ College of Materials and Energy, Guangdong Laboratory for Lingnan Modern Agriculture, South China Agricultural University, Guangzhou 510642, China liangmei1010@stu.scau.edu.cn (L.L.); 20203138220@stu.scau.edu.cn (Z.C.); huyang0303@scau.edu.cn (Y.H.)

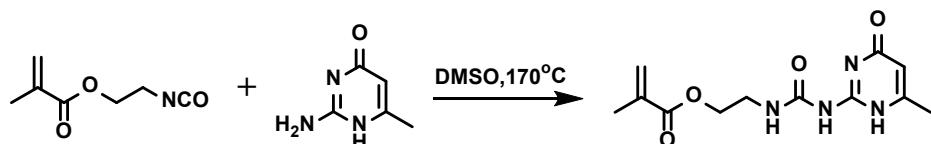
² Department of Neurosurgery, The Second Affiliated Hospital, Medical College of Shantou University, 69 North Dongxia Road, Shantou, 515041, China; wenzhou@stu.edu.cn

³ Department of Materials Science & Engineering, Guangdong Provincial Key Laboratory of Energy Materials for Electric Power, Southern University of Science and Technology, Shenzhen 518055, China;

* Correspondence: yu.yang@scau.edu.cn (Y.Y.); zhanggz@sustech.edu.cn (G.Z.); yangzhuohong@scau.edu.cn (Z.Y.)

† These authors contributed equally to this work.

Supporting information



Scheme S1. Synthesis of UPy-MA monomer.

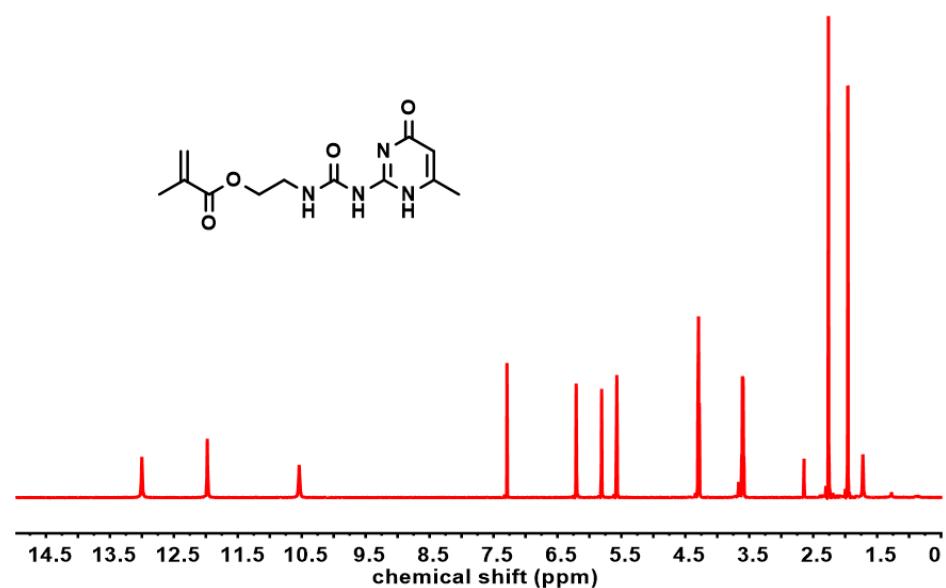
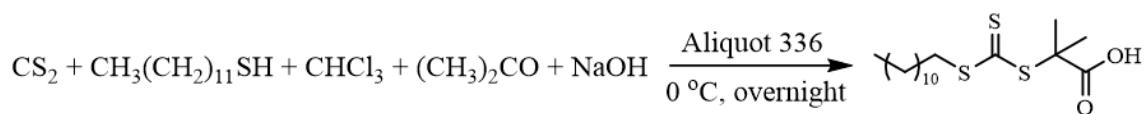
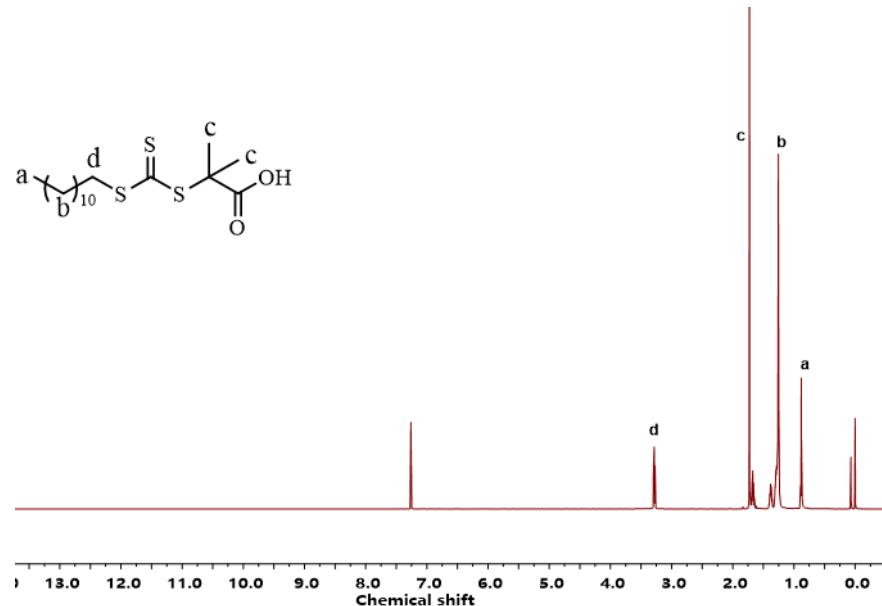
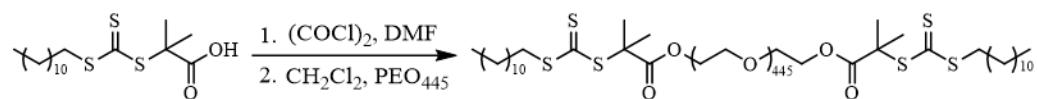


Figure S1. ¹H NMR spectrum of UPy-NMA monomer.

**Figure S2.** Synthesis of RAFT agent CTA.**Figure S3.** The ^1H NMR spectrum of CTA.**Figure S4.** The synthesis of macro-RAFT agent (CTA-PEO-CTA).

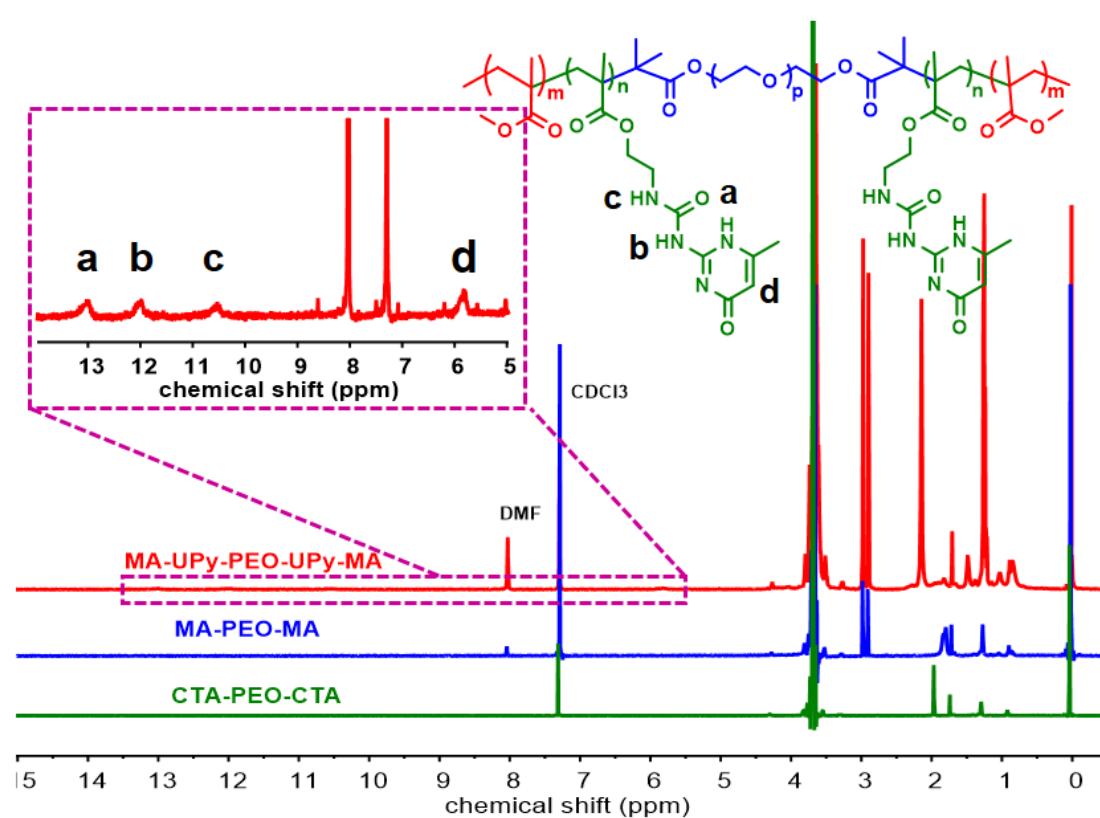


Figure S5. Characterizing the supramolecular polymers using H NMR.