

Electronic Supplementary Information

Preparation of biodegradable PEGylated pH/reduction dual-stimuli responsive nanohydrogels for controlled release of anti-cancer drug

Tingting Zhou, Xubo Zhao, Lei Liu and Peng Liu*

State Key Laboratory of Applied Organic Chemistry and Key Laboratory of
Nonferrous Metal Chemistry and Resources Utilization of Gansu Province, College of
Chemistry and Chemical Engineering, Lanzhou University, Lanzhou 730000, China.
Fax./Tel: 86 0931 8912582; E-mail: pliu@lzu.edu.cn.

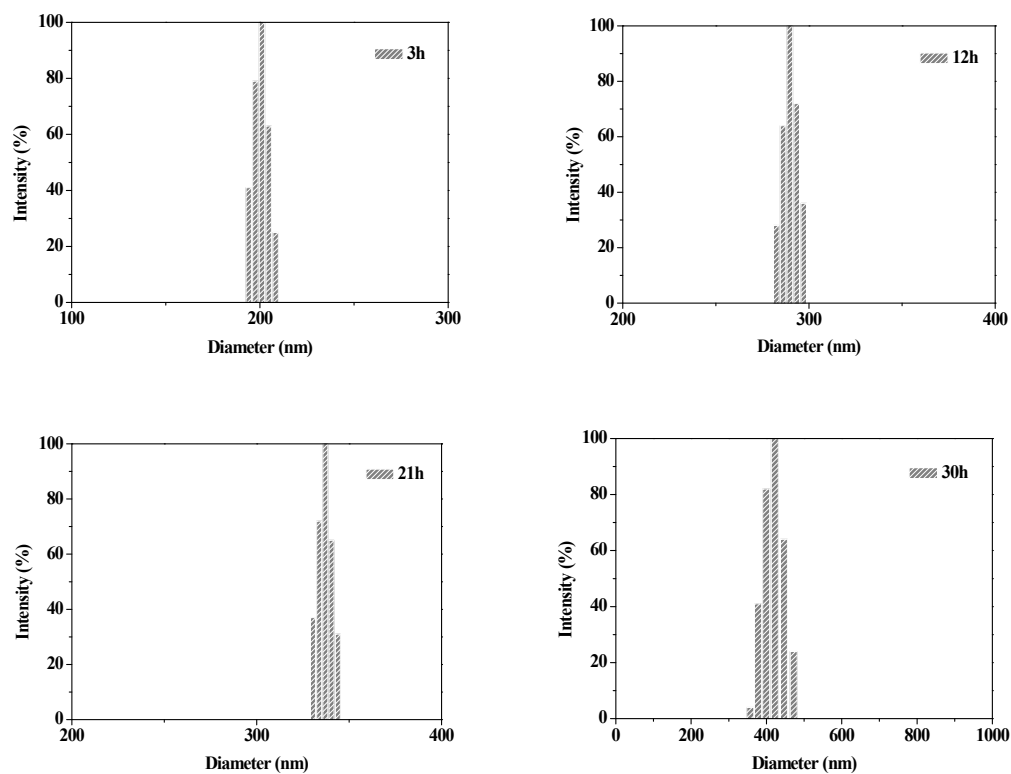
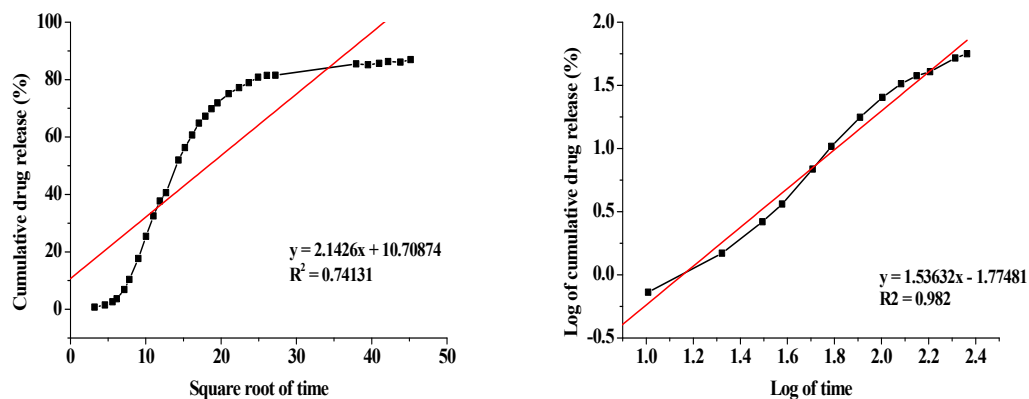
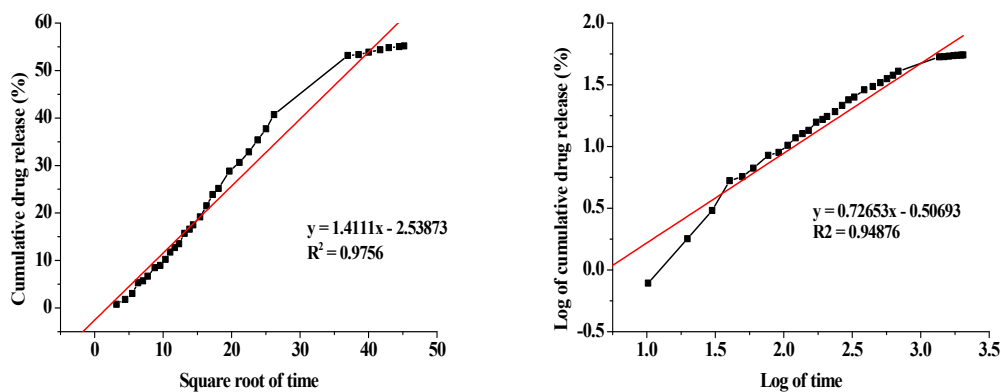


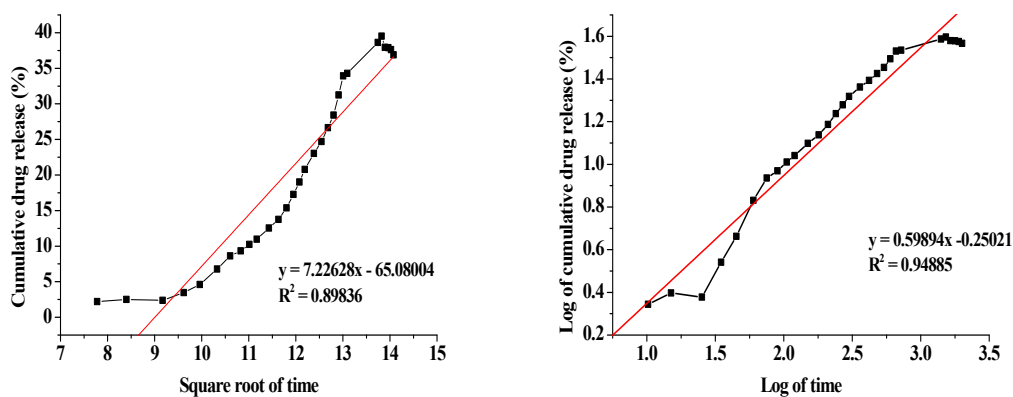
Figure S1. The size distributions of the PMPB nanohydrogels in PBS solution (pH 7.4) at different times measured by DLS.



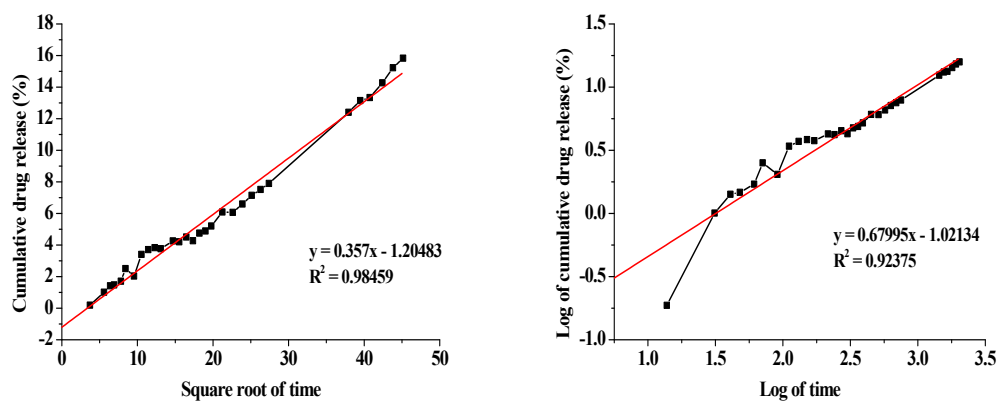
(a) pH 5.0, 10 mM GSH



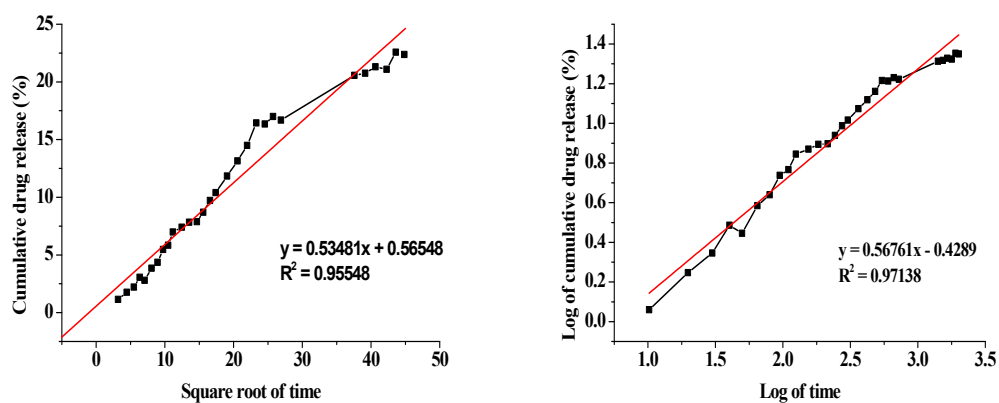
(b) pH 5.0



(c) pH 6.5



(d) pH 7.4



(e) pH 7.4, 10 μ M GSH

Figure S2. The profile of drug release mechanism based on the Higuchi and Korsmeyer-Peppas models.