

Supporting Information

Synthesis of Amphiphilic Alternating Polyesters with Oligo(ethylene glycol) Side Chains and Potential Use for Sustained Release Drug Delivery

Wei Wang^{†,§}, Jianxun Ding^{†,‡,§}, Chunsheng Xiao^{†,‡}, Zhaohui Tang[†], Di Li[†], Jie Chen[†], Xiuli Zhuang^{*†}, and Xuesi

Chen[†]

[†]Key Laboratory of Polymer Ecomaterials, Changchun Institute of Applied Chemistry, Chinese Academy of
Sciences, Changchun 130022, P. R. China

[‡]Graduate University of Chinese Academy of Sciences, Beijing 100039, P. R. China

[§]These two authors are joint first authors.

Corresponding author: Xiuli Zhuang

E-mail address: zhuangxl@ciac.jl.cn

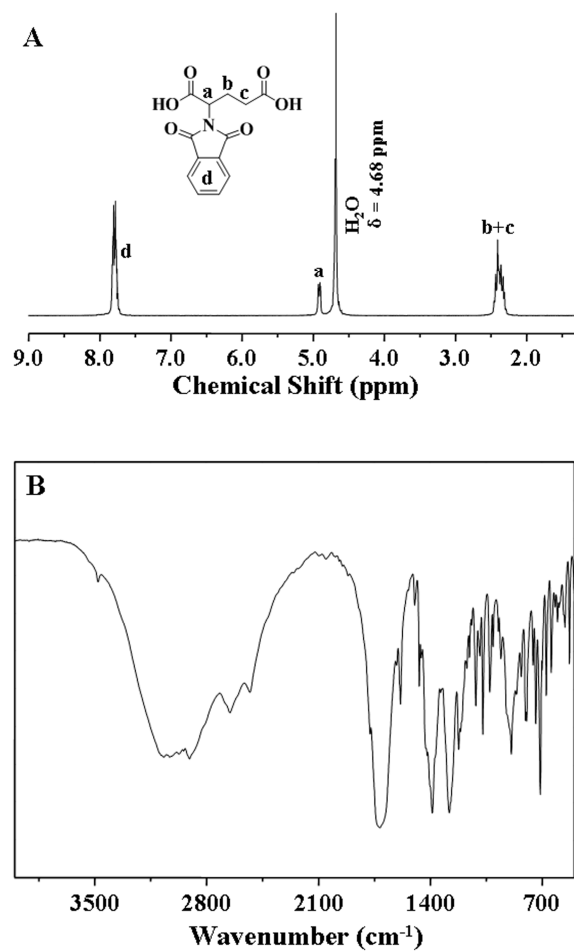


Figure S1. ^1H NMR (in D_2O) (A), and FT-IR (B) spectra of 2-(1,3-dioxoisindolin-2-yl)pentanedioic acid.

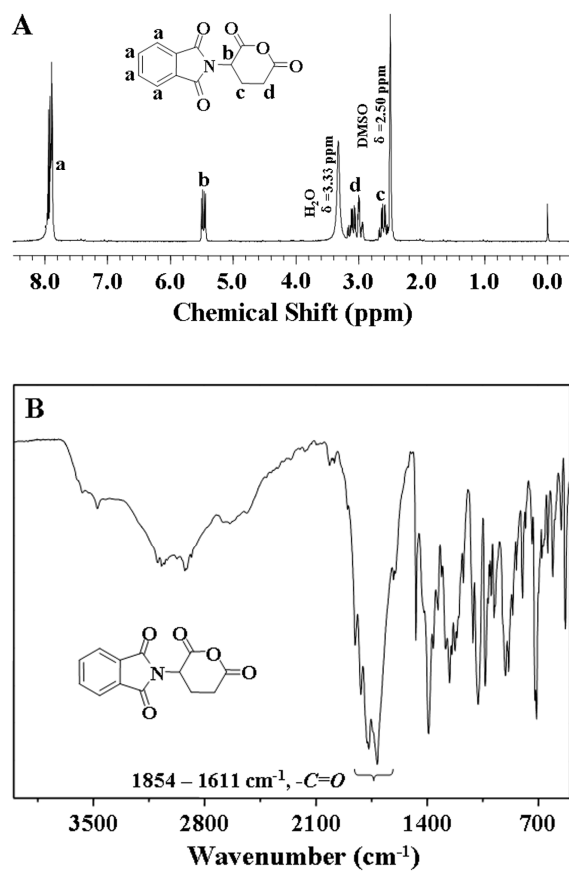


Figure S2. ^1H NMR (in $\text{DMSO}-d_6$) (A), and FT-IR (B) spectra of PGA monomer.

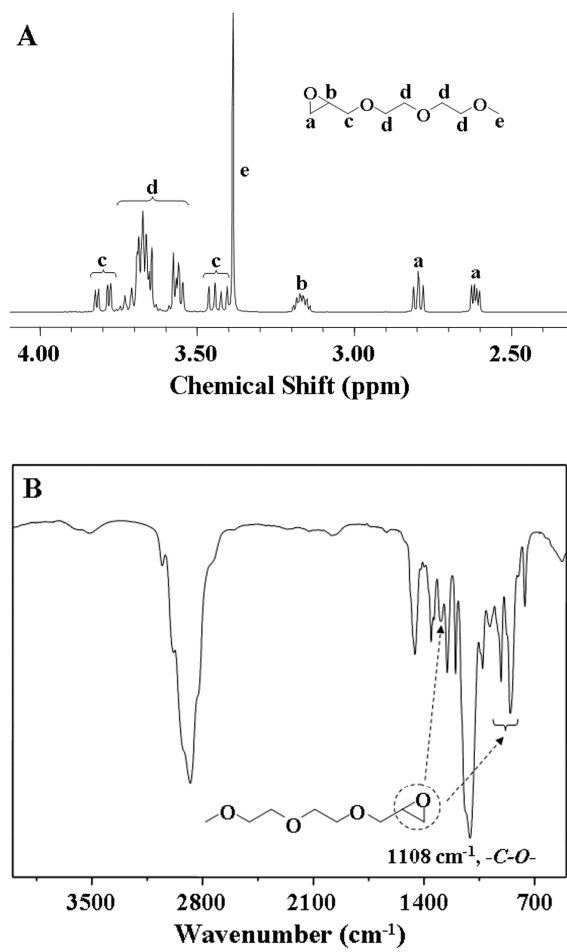


Figure S3. ¹H NMR (in CDCl₃) (A), and FT-IR (B) spectra of ME₂MO monomer.

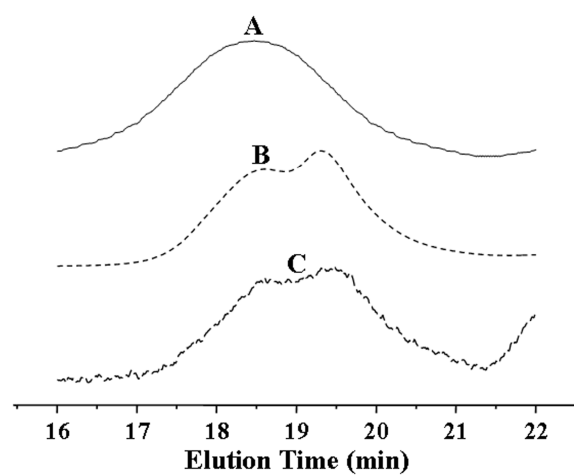


Figure S4. GPC spectra of Rifampin-loaded P(PGA-*co*-ME₂MO)₄₇ after Rifampin release at pH 7.4 (A), pH 5.5 (B) and pH 7.4 with 2 µg mL⁻¹ (0.08 U mL⁻¹) proteinase K (C).