

# Core-crosslinked Amphiphilic Biodegradable Copolymer based on the Complementary Multiple Hydrogen Bonds of Nucleobases: Synthesis, Self-assembly and *in vitro* Drug Delivery

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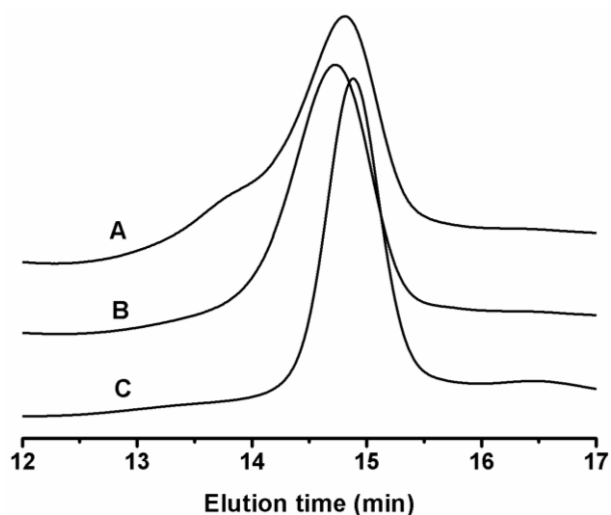
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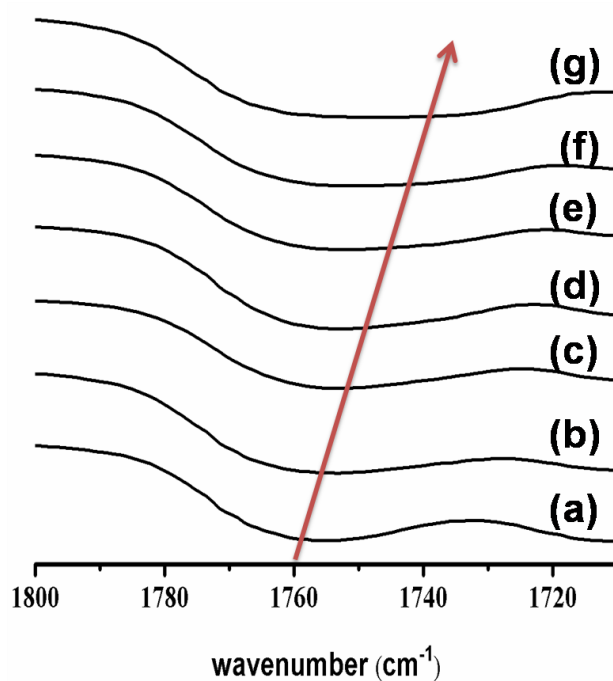
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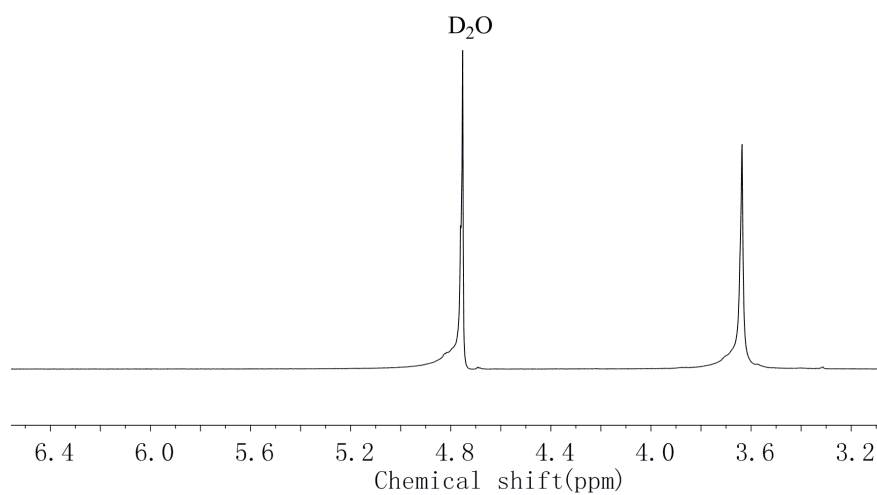
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**Figure S1.** GPC spectra of mPEG-*b*-P(LA<sub>3</sub>-*co*-MAC<sub>11</sub>)(A), mPEG-*b*-P(LA<sub>8</sub>-*co*-MAC<sub>6</sub>) (B) and mPEG-*b*-P(LA<sub>13</sub>-*co*-MAC<sub>2</sub>) (C).



**Figure S2.** FT-IR spectra recorded at room temperature in the range of 1800–1710 cm<sup>-1</sup> for mPEG-*b*-P(LA<sub>3</sub>-*co*-MPT<sub>22</sub>) in the bulk state in the presence of different content of mPEG-*b*-P(LA<sub>3</sub>-*co*-MPA<sub>22</sub>) (n(A)/n(T), mol/mol): (a) 0/10, (b) 3/7, (c) 4/6, (d) 5/5, (e) 6/4, (f) 7/3 and (g) 5/1) .



**Figure S3.** <sup>1</sup>H NMR of mPEG-*b*-P(LA<sub>3</sub>-*co*-MPA<sub>22</sub>)/mPEG-*b*-P(LA<sub>3</sub>-*co*-MPT<sub>22</sub>) micelle in D<sub>2</sub>O.