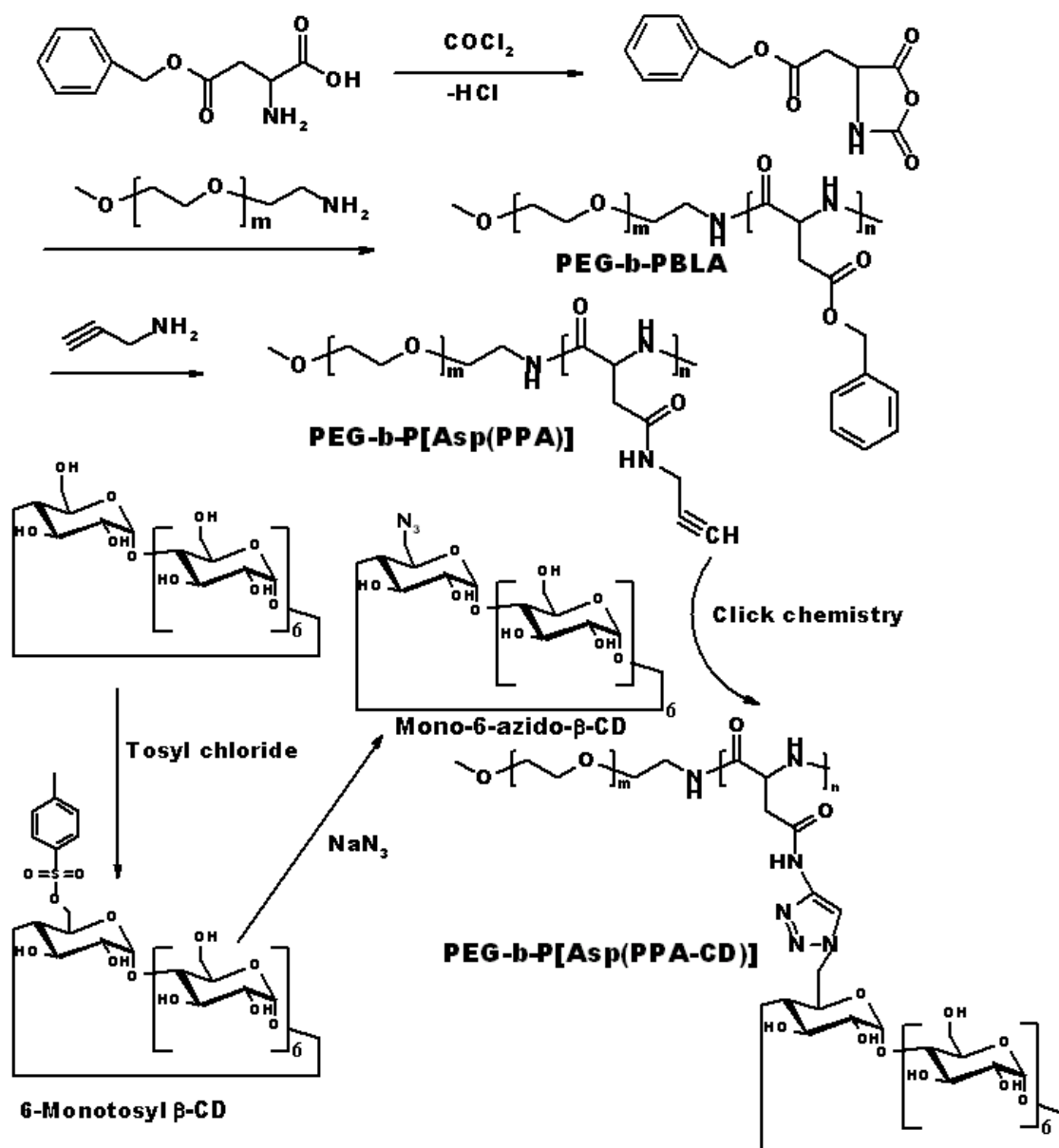


Supporting Information for:

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Synthesis of β -Cyclodextrin Containing Copolymer via 'Click' Chemistry and Its Self-Assembly in the Presence of Guest Compounds

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Scheme S1. Synthesis of PEG-*b*-P[Asp(PPA-CD)] by a 'click' chemistry approach.

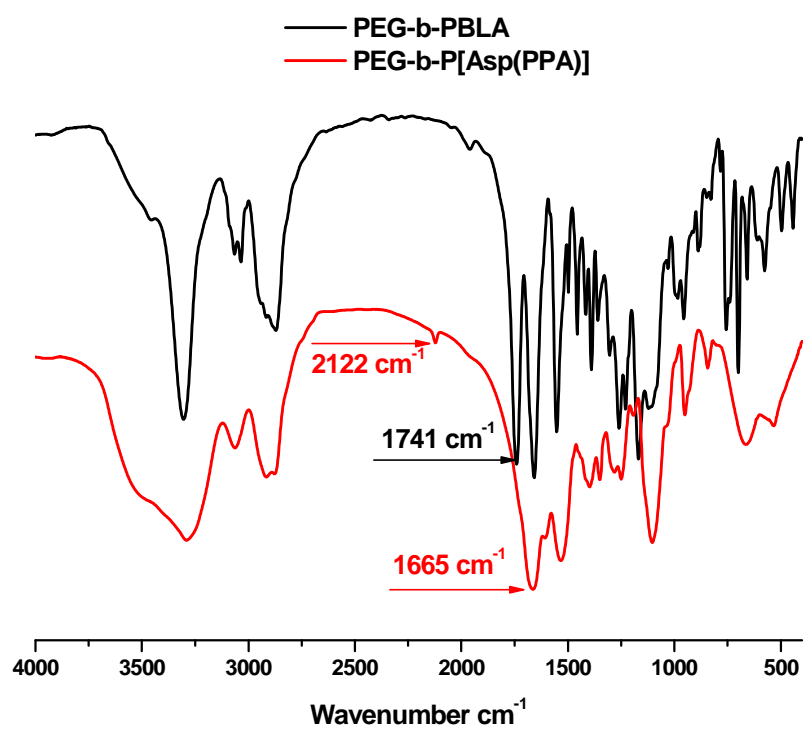
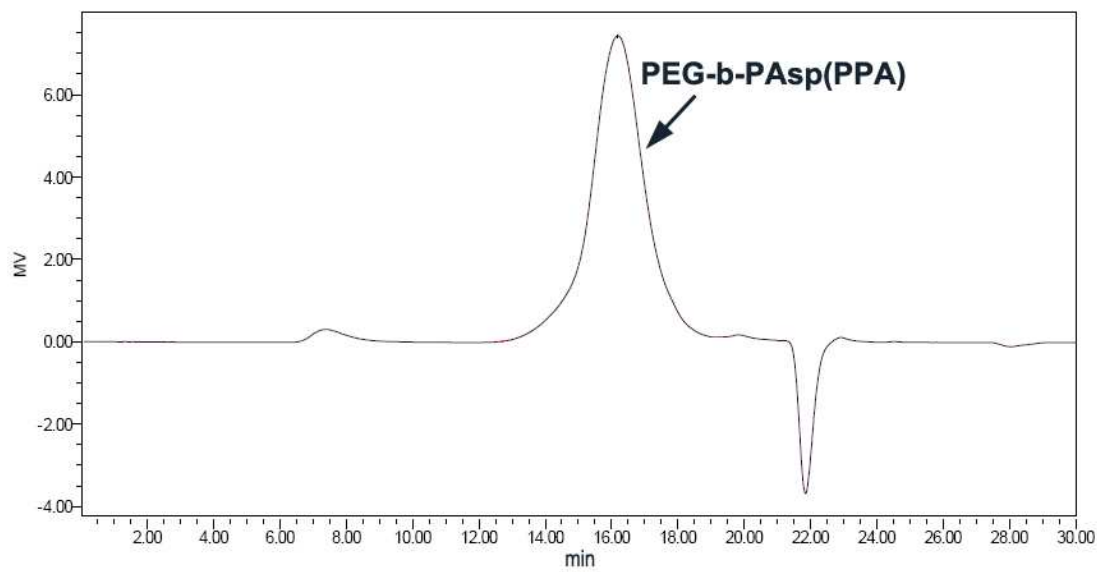
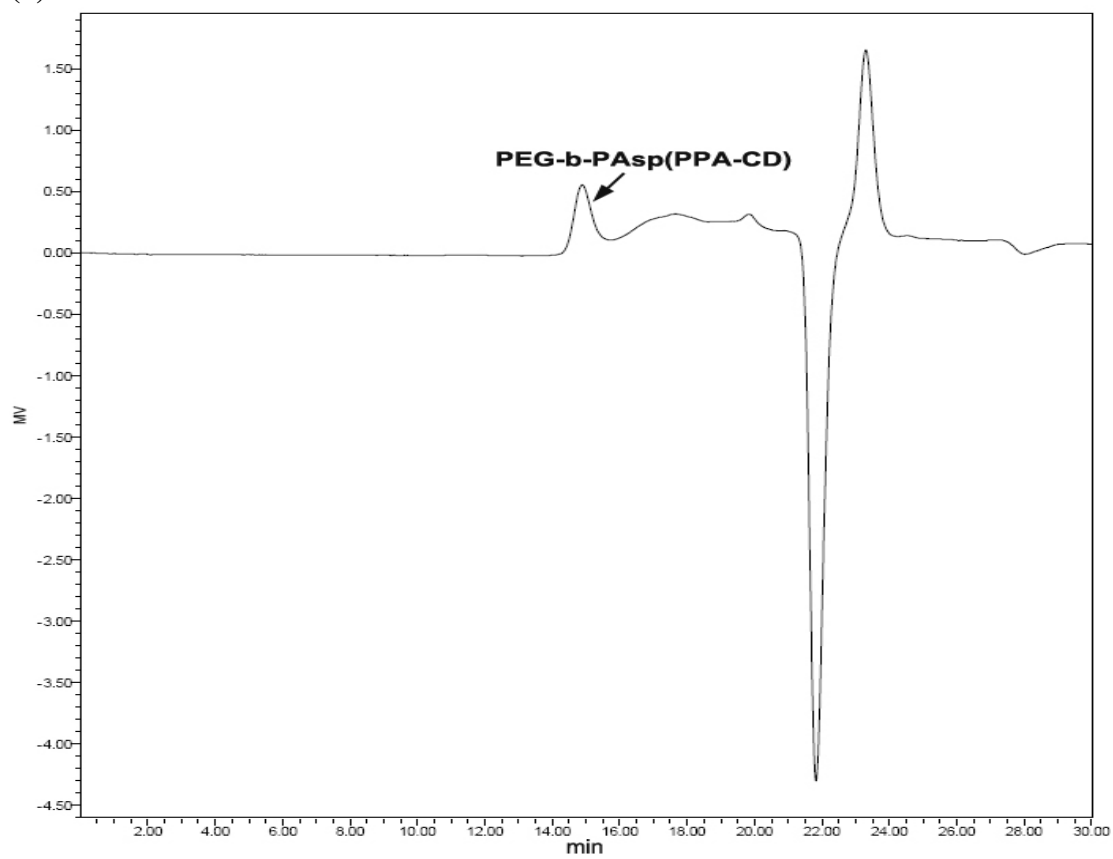


Figure S1. FT-IR spectra of PEG-*b*-PBLA and PEG-*b*-P[Asp(PPA)].



(a)



(b)

Figure S2. GPC curves of (a) PEG-*b*-P[Asp(PPA)] and (b) PEG-*b*-P[Asp(PPA-CD)].

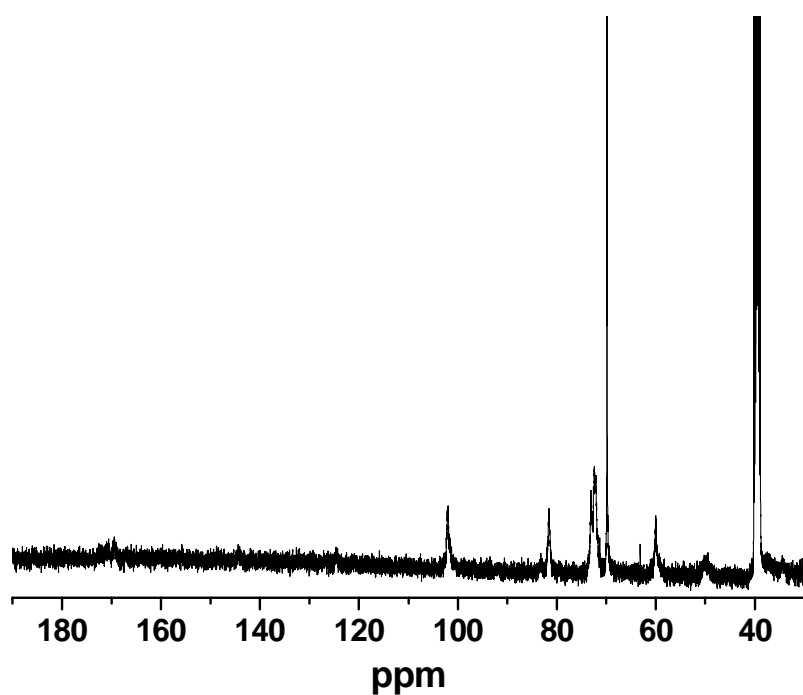


Figure S3. ^{13}C NMR spectrum of PEG-*b*-P[Asp(PPA)] in DMSO- d_6 . Note that the peak at about 170 ppm is due to the amide carbonyl in the copolymer.

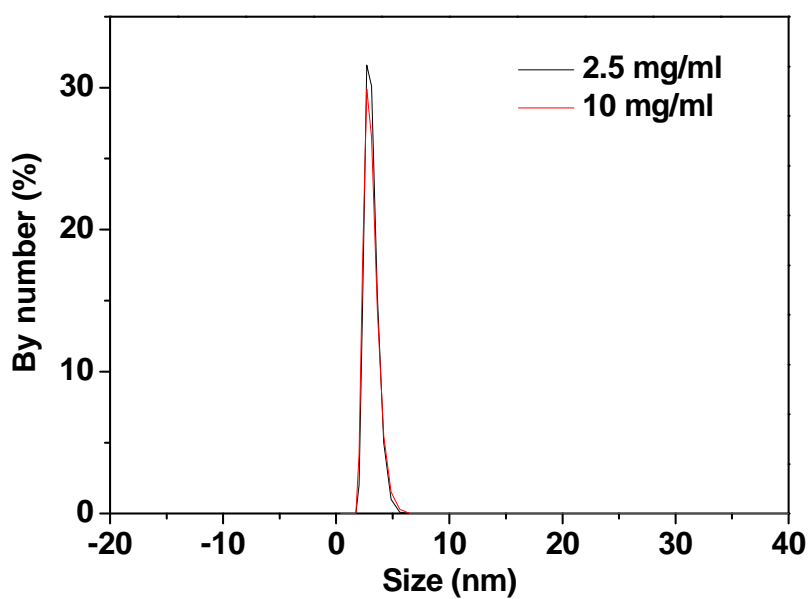


Figure S4. Size distribution of PEG-*b*-P[Asp(PPA-CD)] in aqueous solution at various concentrations.

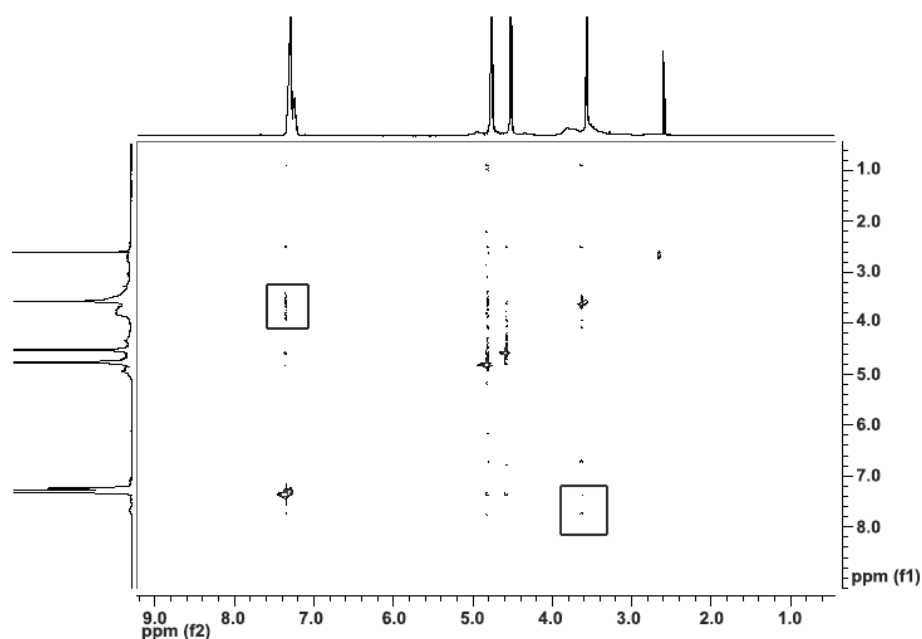


Figure S5. 2D-Rosy spectrum of the mixture of BA and PEG-*b*-PAsp(PPA-CD) with weight ratio of 20:40 in D₂O. The inset rectangles indicate the correlation signals between the protons of BA and copolymer.

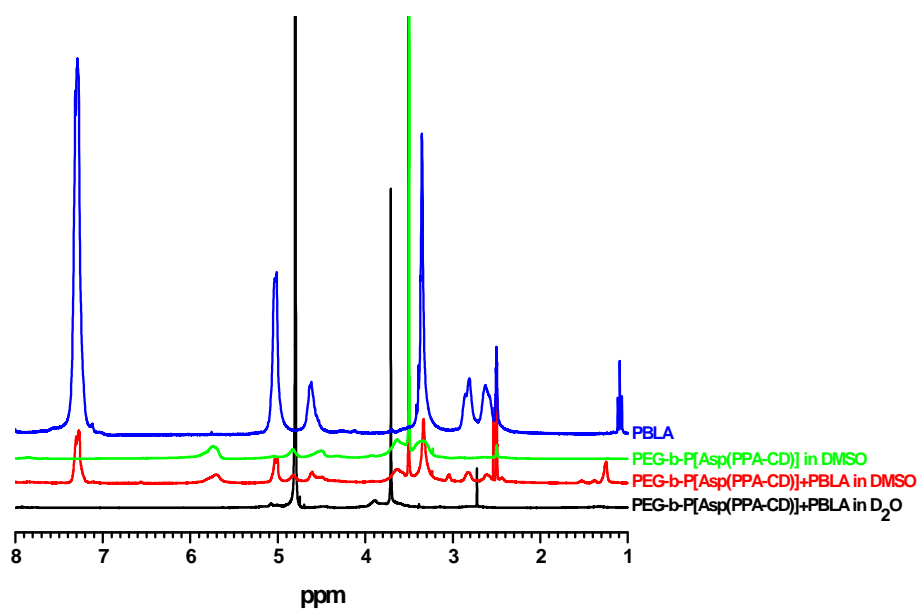


Figure S6. ¹H NMR spectra of PBLA, PEG-*b*-P[Asp(PPA-CD)], and their assemblies in various solvents.