

Supporting Information

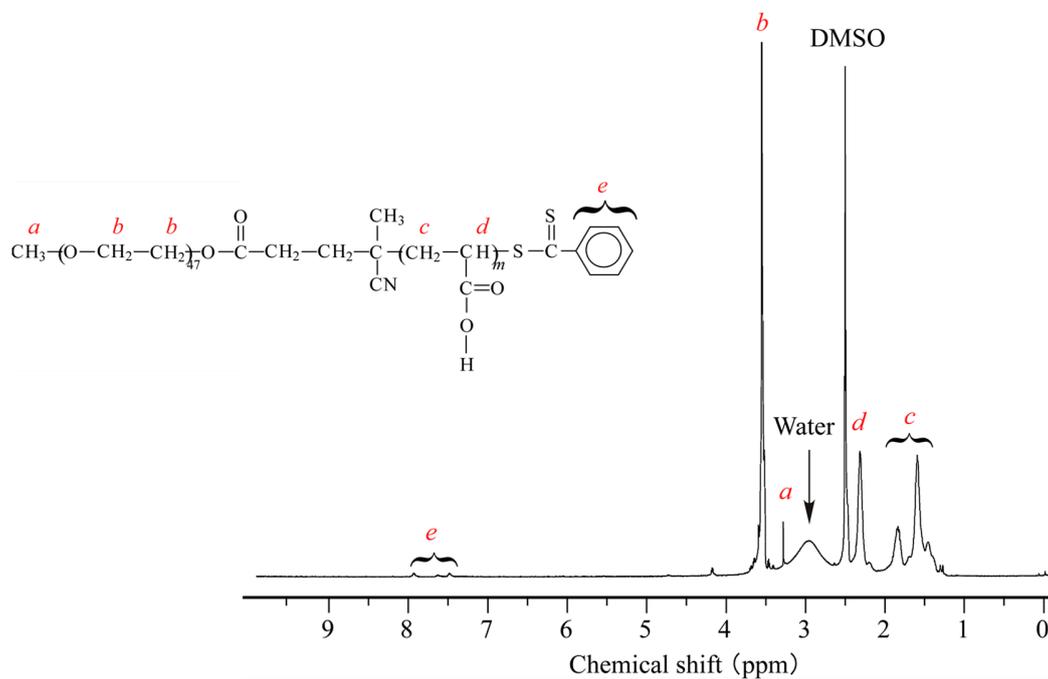


Figure S1. ^1H NMR for PEG-PAA in $\text{DMSO}-d_6$ at $100\text{ }^\circ\text{C}$.

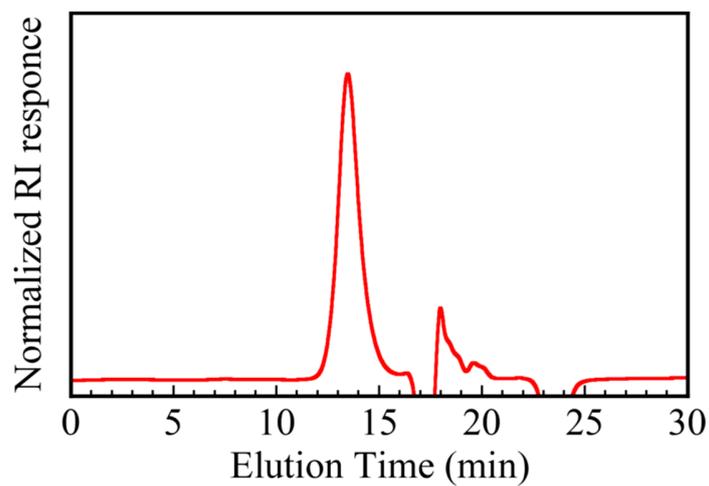


Figure S2. GPC elution curve for PEG-PAA using phosphate buffer as an eluent at $40\text{ }^\circ\text{C}$.

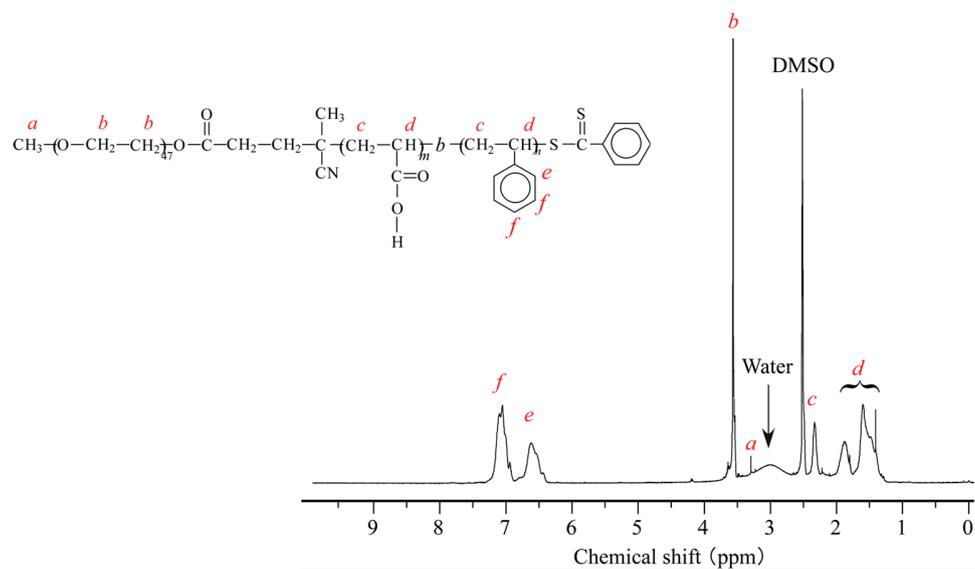


Figure S3. ^1H NMR for PEG-PAA-PS in $\text{DMSO-}d_6$ at $100\text{ }^\circ\text{C}$.

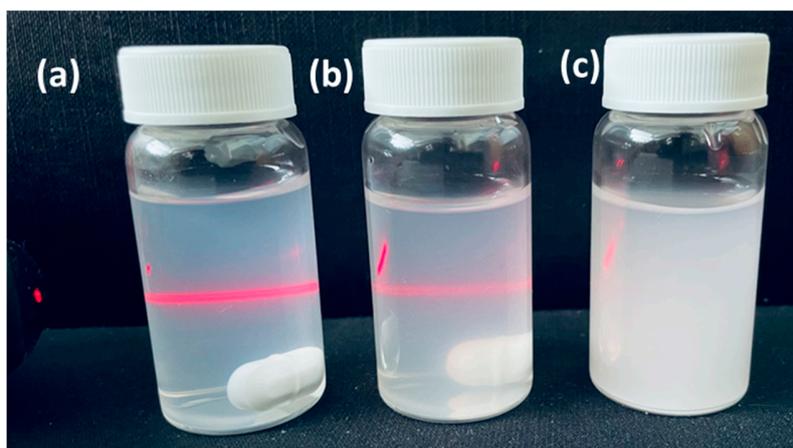


Figure S4. Tyndal effect showing formation of colloidal particles (a) PEG-PAA-PS polymer, (b) Ba^{2+} /PEG-PAA-PS (c) BaCO_3 /PEG-PAA-PS aqueous solutions.

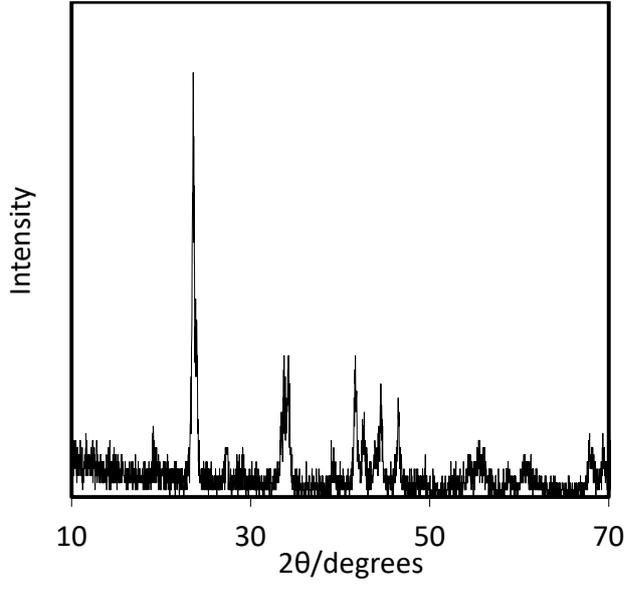


Figure S5. XRD spectrum of hollow BaCO₃ nanoparticles.

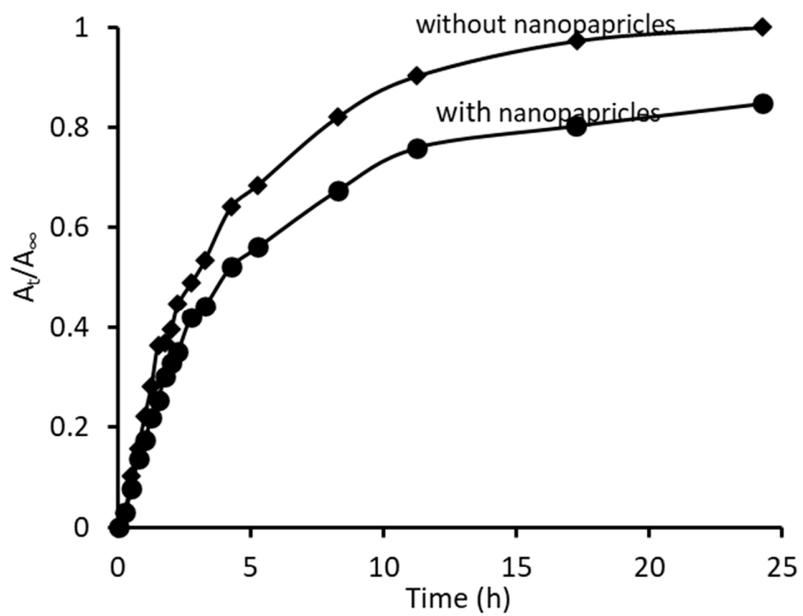


Figure S6. Drug release profile from hollow BaCO₃ nanoparticles. A_t and A_∞ are the absorbance of the released drug at time t and infinity, respectively.