

Electronic Supplementary Information (ESI)

Competitive binding-accelerated insulin release from polypeptide nanogel for potential therapy of diabetes

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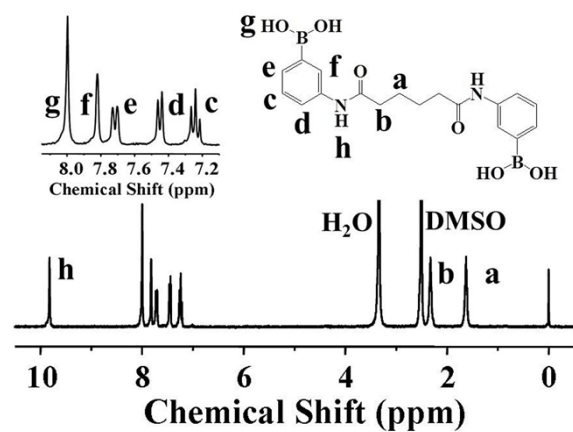


Fig. S1 ^1H NMR spectrum of AAPBA in $\text{DMSO-}d_6$.

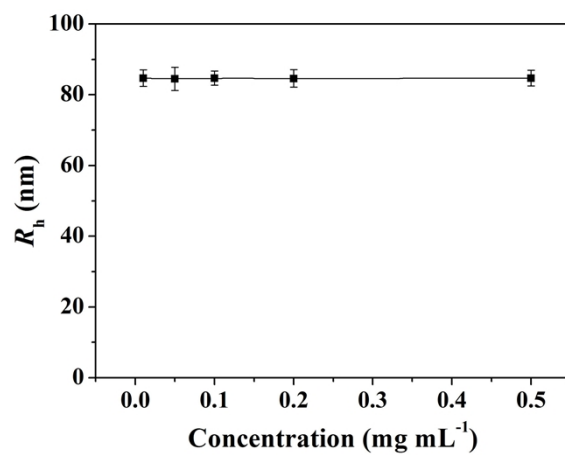


Fig. S2 R_h of nanogel as a function of nanogel concentration in PBS at pH 7.4.

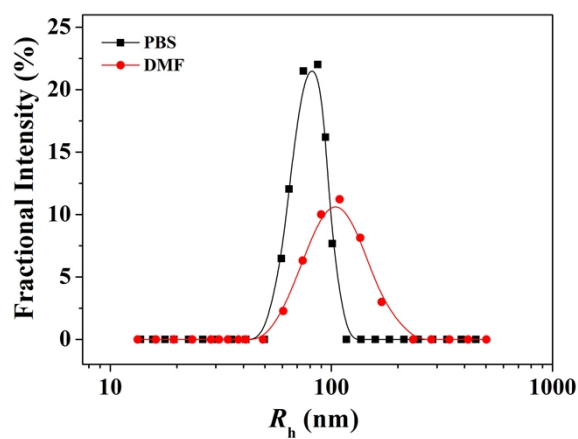


Fig. S3 Size distributions of nanogel in PBS at pH 7.4 or DMF at concentration of 0.10 mg mL^{-1} .

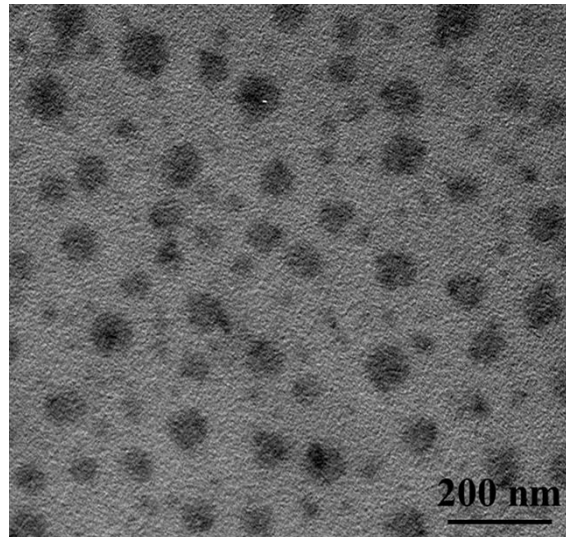


Fig. S4 Typical TEM micrograph of nanogel in PBS at pH 7.4 with a glucose concentration of 3.0 mg mL⁻¹.

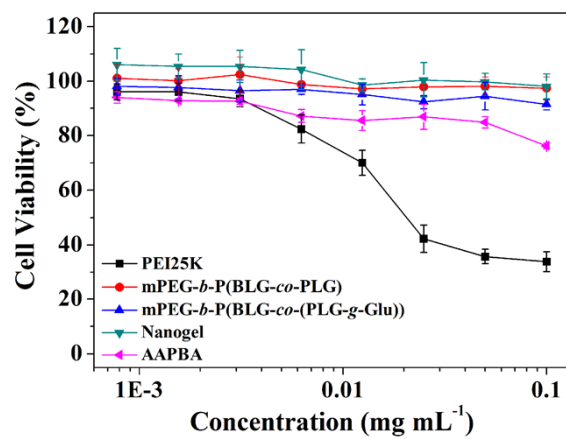


Fig. S5 *In vitro* cytotoxicity of nanogel to HeLa cells with PEI25k and AAPBA as positive controls. Data were represented as mean \pm standard deviation ($n = 3$).