Electronic Supplementary Material (ESI) for RSC Advances.

5FU encapsulated polyglycerol sebacate nanoparticles as anti-cancer drug carriers

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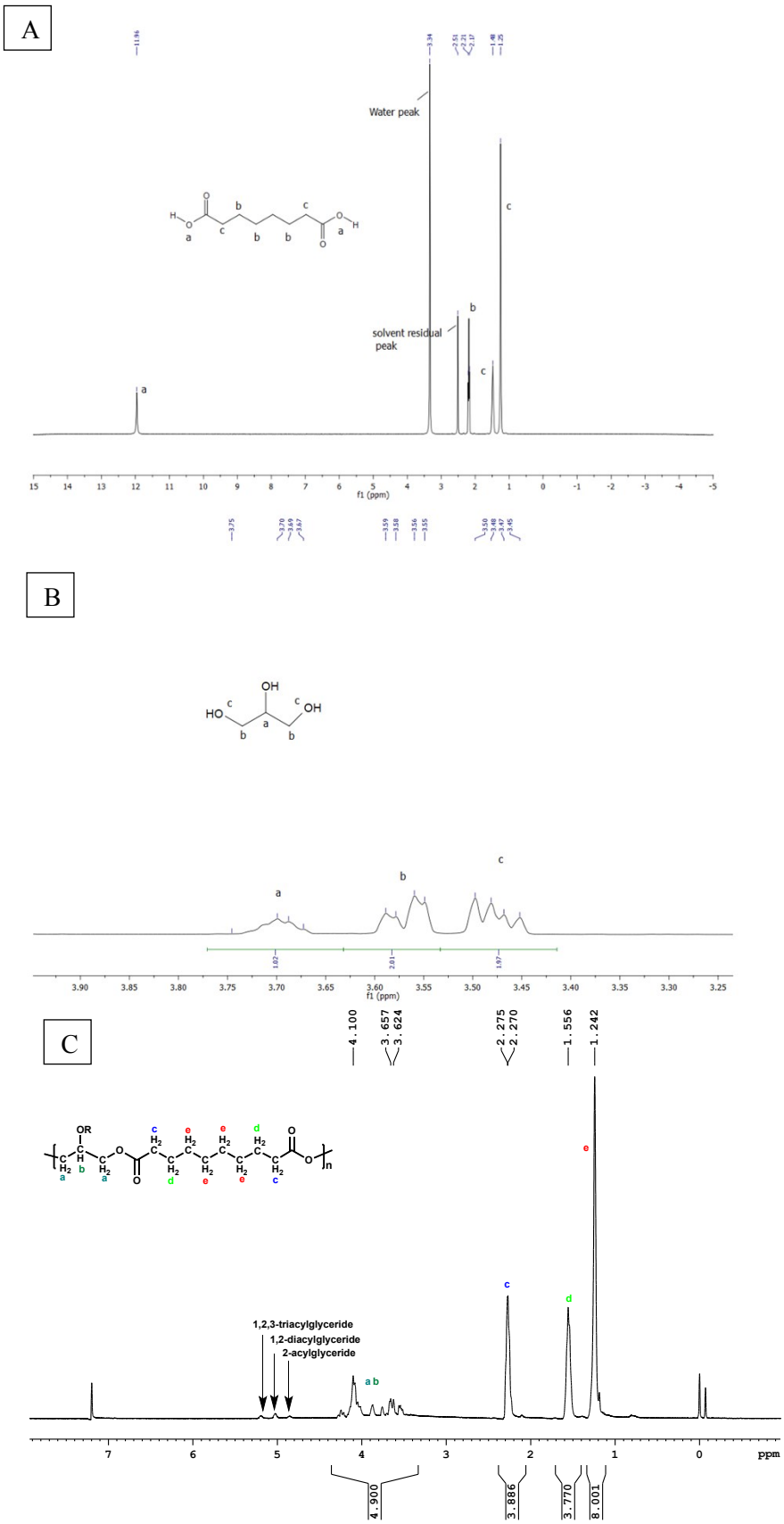

Fig. S1 NMR spectra of A) sebacic acid, B) glycerol and C) polyglycerol sebacate.

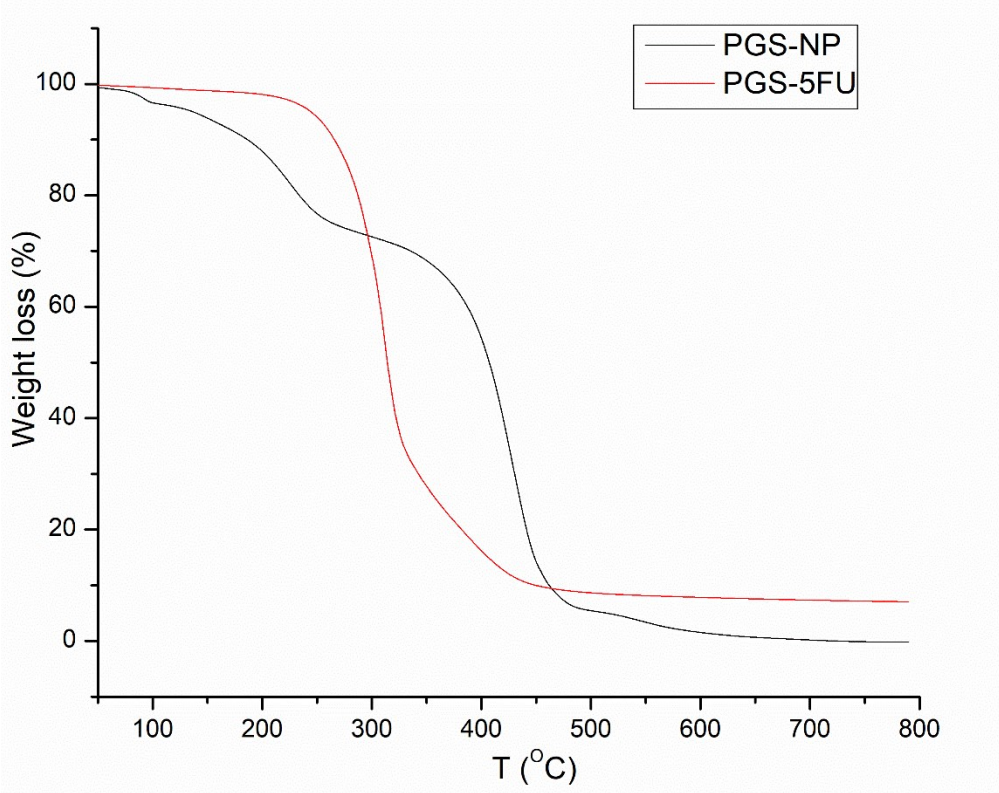

Fig. S2 TGA analysis of PGS nanoparticles and nanoparticles loaded with 5FU drug.

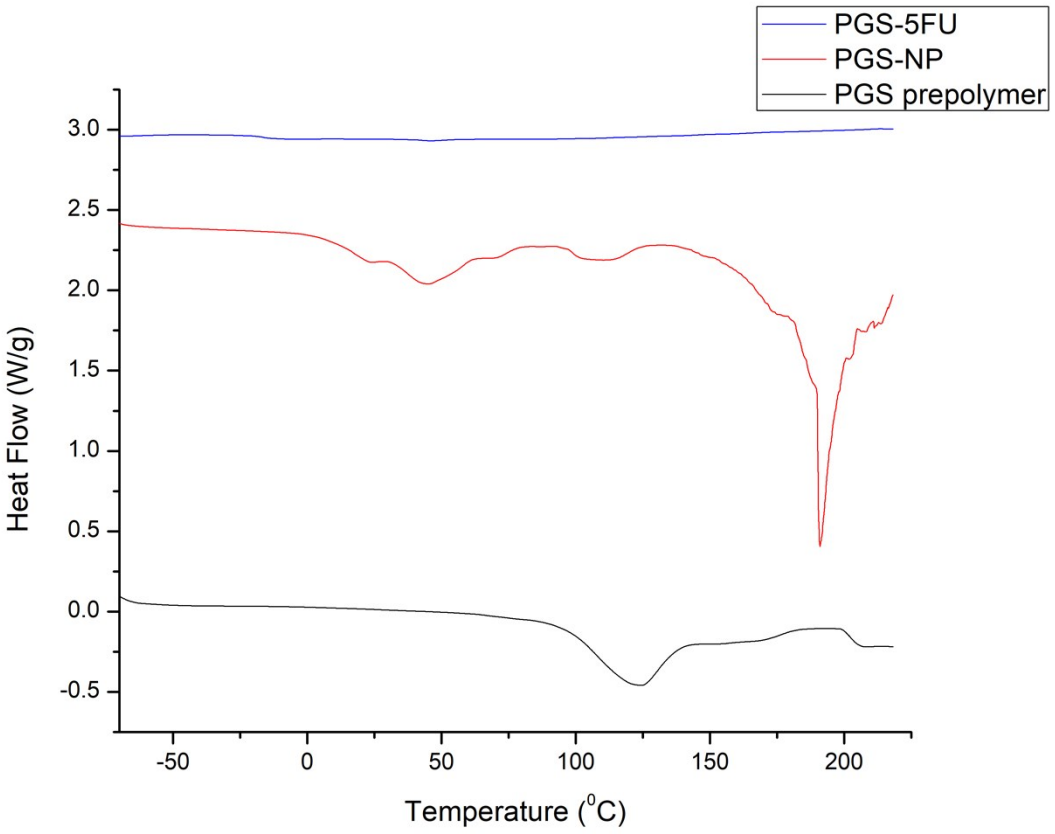

Fig. S3 Differential scanning calorimetry (DSC) analysis of PGS prepolymer, PGS nanoparticles and 5FU encapsulated PGS nanoparticles showing decreasing order of crystallinity with PGS-5FU being amorphous.

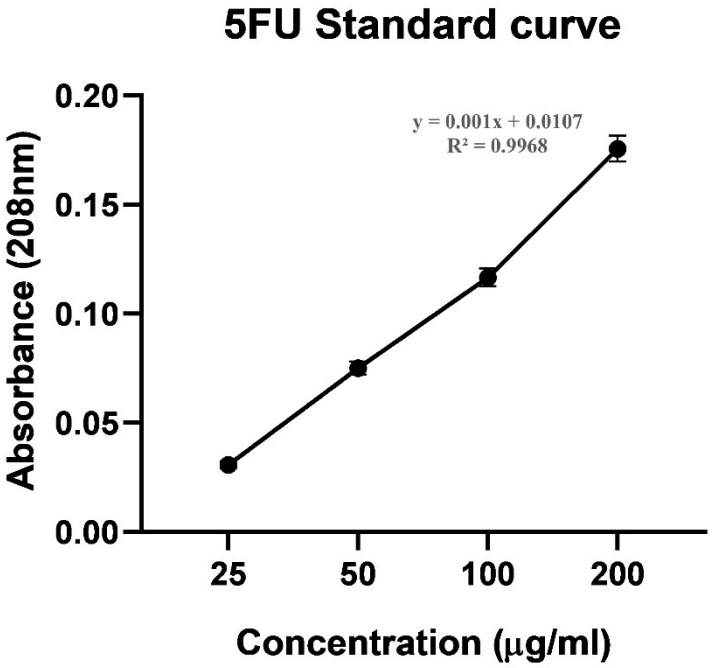

Fig. S4 UV-vis spectra of different concentrations of 5FU taken to plot the standard curve for further experimentations.

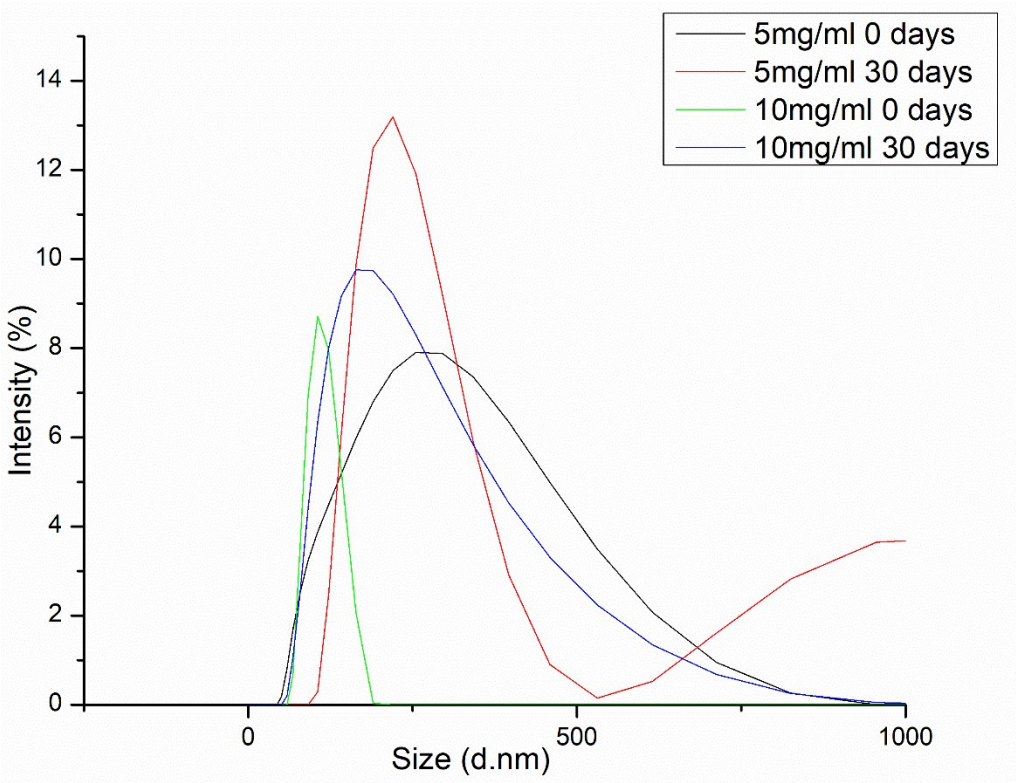

Fig. S5 DLS analysis of different concentrations of nanoparticles made with PGS in solvent and their stability over 30 days period.