Electronic Supplementary Material (ESI) for RSC Advances.

Supplementary information

Title:

pH-responsive magnetic micelles gelatin-g-poly(NIPAAm-co-DMAAm-co-UA)-g-dextran/Fe_3O_4 as hydrophilic drug carrier

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Note added after first publication: This Supplementary Information file replaces that originally published on 30th May 2017, and contains a corrected author list.

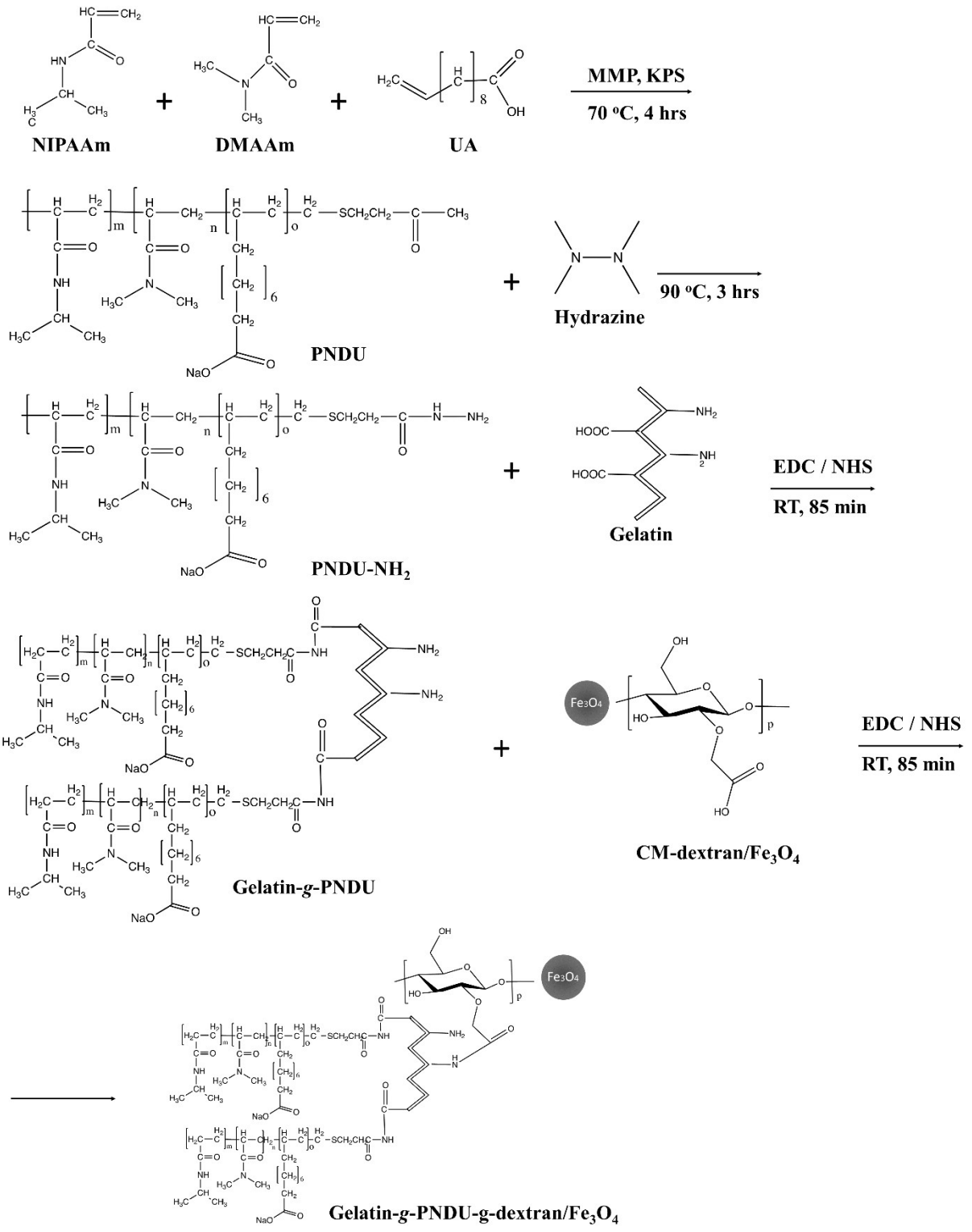

Fig. S1. Schematic diagram of the formation process of Gelatin-g-dextran/Fe_3O_4 (GPDF) micelles

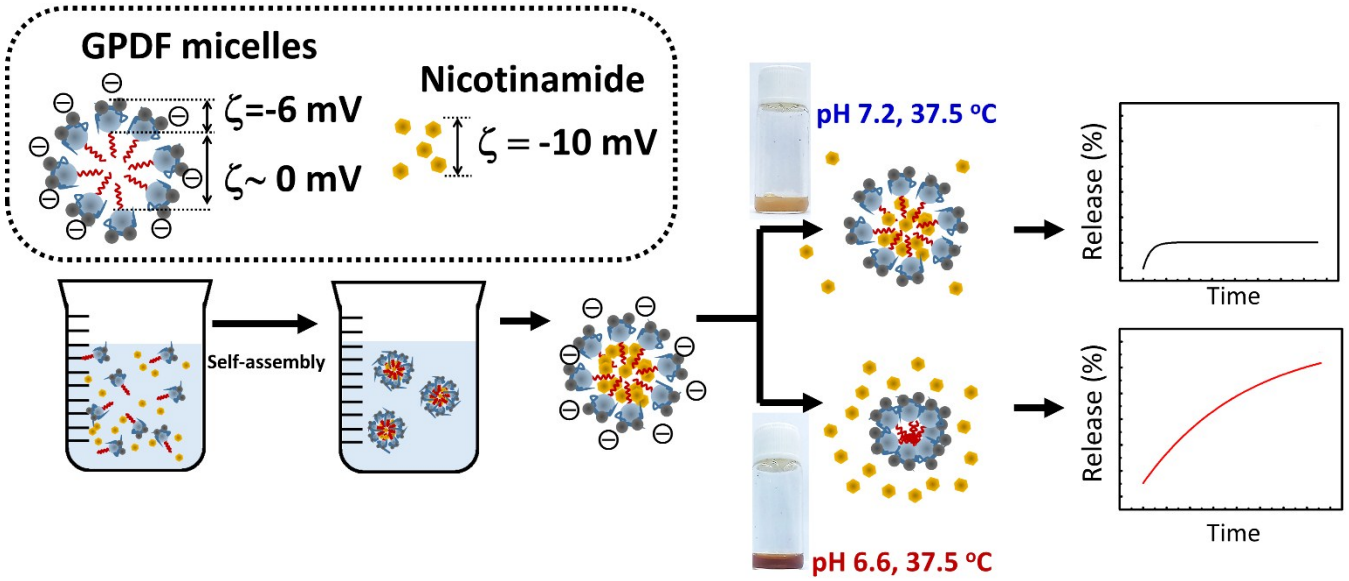

Fig. S2. Schematic diagram show the GPDF encapsulated nicotinamide. Zeta potential (ζ) of GPDF micelle and nicotinamide are indicated.

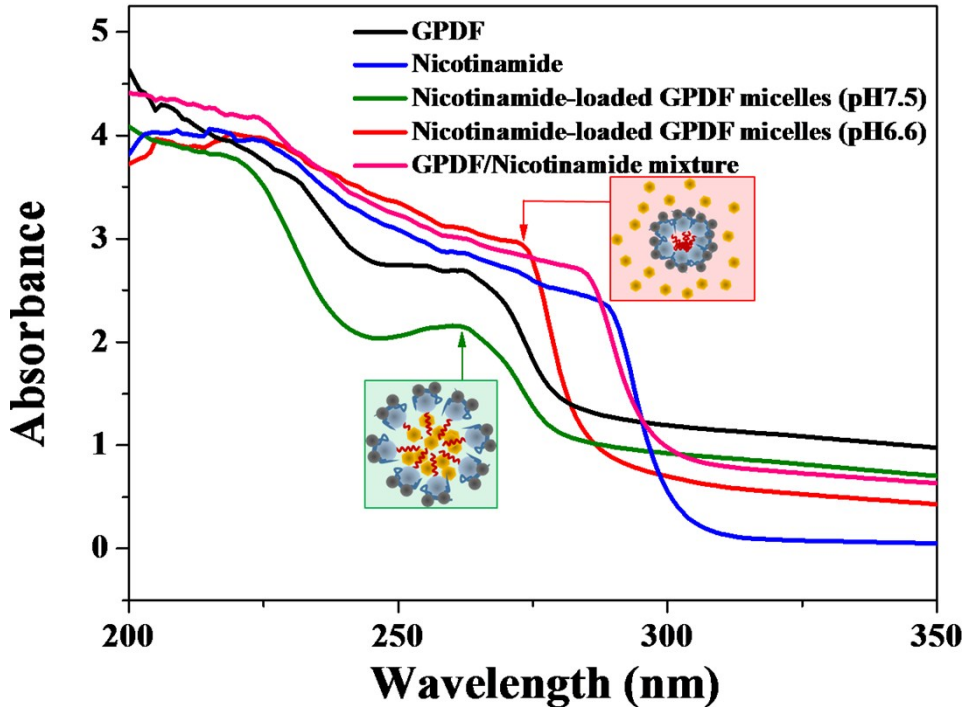

Fig. S3. UV spectra of nicotinamide, GPDF, nicotinamide-loaded GPDF micelles at both pH 7.5 and pH 6.6 and mixture of GPDF and nicotinamide. Nicotinamide-loaded GPDF micelles show clear nicotinamide signal at pH 6.6.

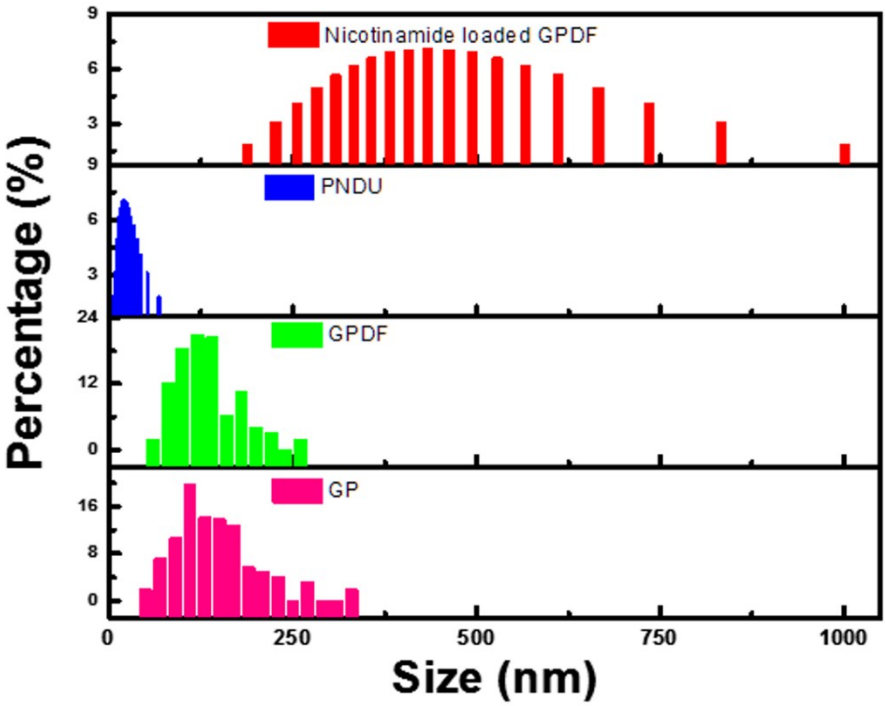

Fig.S4 DLS data of nicotinamide-loaded GPDF micelles, PNDU, the GPDF and GP.