Supporting Information

Pegylated Solanesol for Oral Delivery of Coenzyme Q_{10}

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Table S1. Characterizations of CoQ_{10}-SPGS micelles.

Polymers	Size (d.nm)	PDI	CMC(μg/m	DLC(%)
SPGS-2K	103.40 ±	0.200	5.36	-----
CoQ_{10}-SPGS-2K	180.20 ±	0.103	-----	39.09
SPGS-5K	108.20 ±	0.176	5.89	-----
CoQ_{10}-SPGS-5K	186.50 ±	0.134	-----	49.00

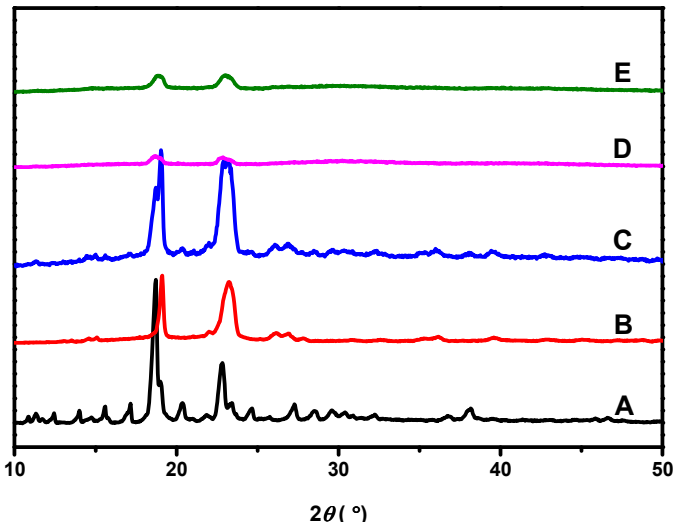

Figure S1. X-ray diffraction patterns of CoQ_{10} formulations: (A) CoQ_{10} powder, (B) SPGS-5K, (C) CoQ10/SPGS-5K mixture, (D) CoQ_{10}-SPGS-2K, (E) CoQ_{10}-SPGS-5K.

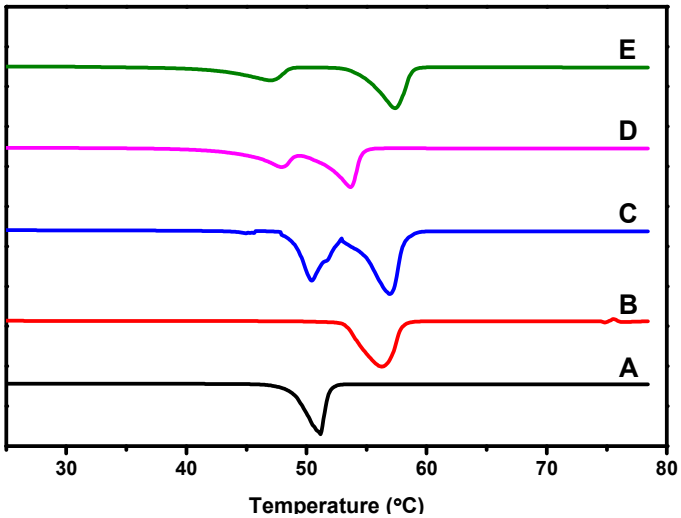

Figure S2. Differential scaning calorimetry of CoQ_{10} formulations: (A) CoQ_{10} powder , (B) SPGS-5K, (C) CoQ10/SPGS-5K mixture, (D) CoQ_{10}-SPGS-2K, (E) CoQ_{10}-SPGS-5K.

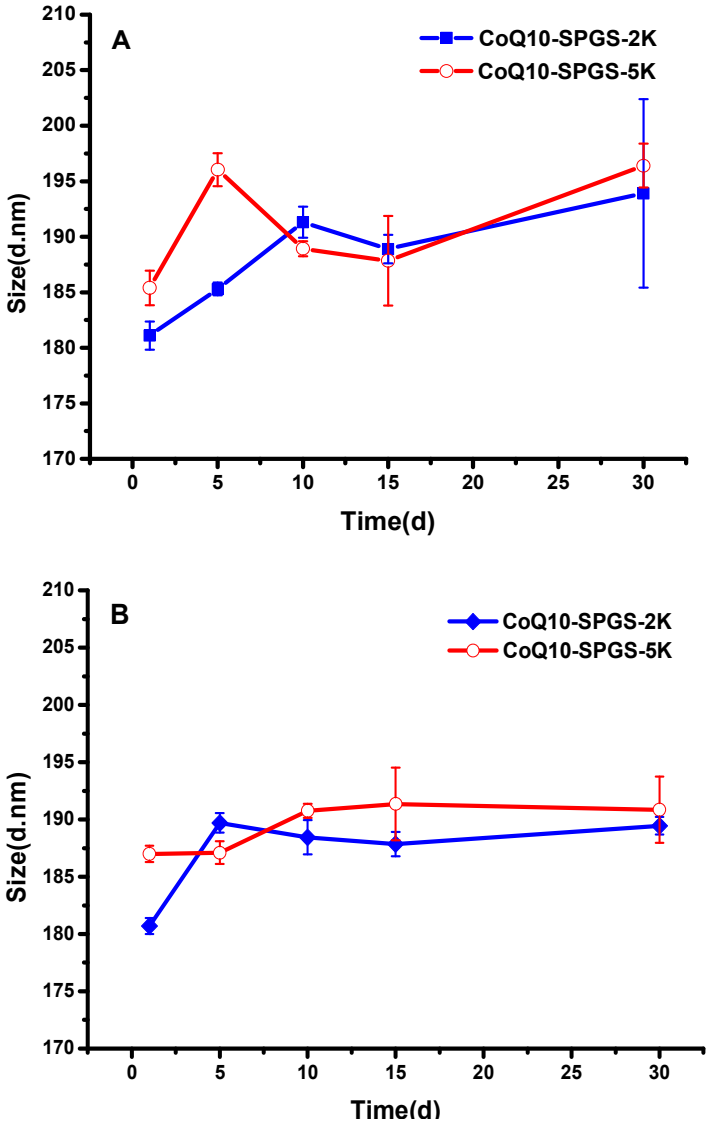

Figure S3. The particle size of CoQ_{10}-loaded SPGS micelles after storage at (A) 25 °C, (B) 4 °C.

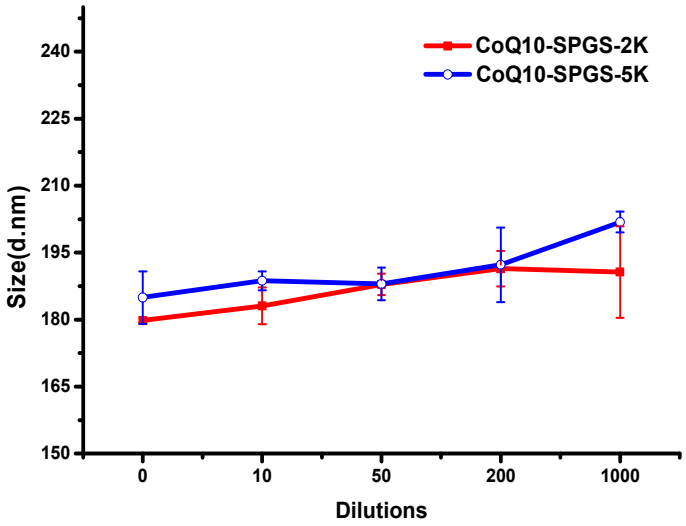

Figure S4. Colloidal stability of diluted CoQ_{10}-loaded SPGS micelles determined by DLS.