

Fig. S1. UV-Vis absorbance spectra of: capsanthin standard, capsanthin extract and capsanthin-loaded micelles of diosgenin polyethylene glycol succinate 1000 (cap-DPGS-1000)

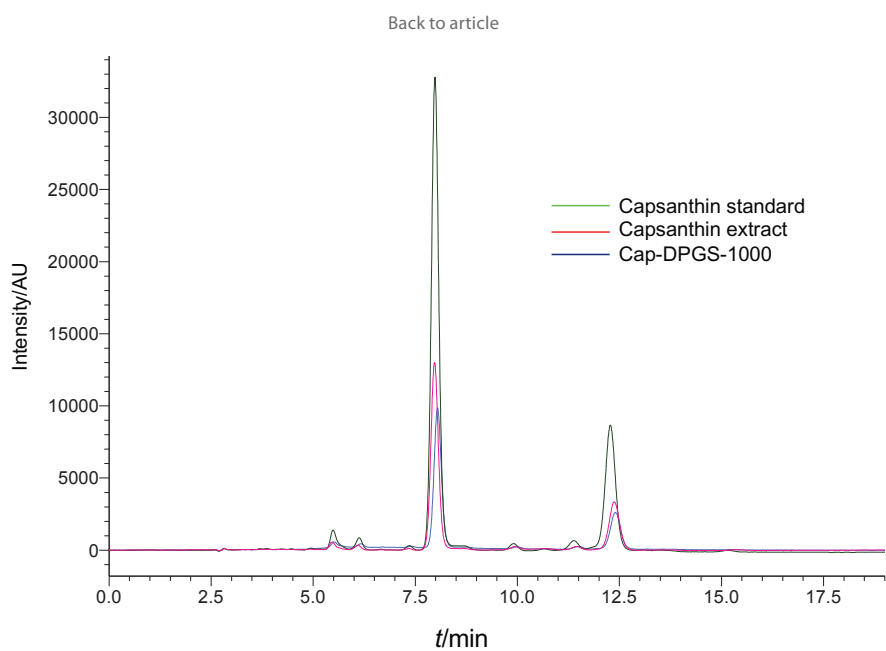


Fig. S2. HPLC chromatograms of: capsanthin standard, capsanthin extract and capsanthin-loaded micelles of diosgenin polyethylene glycol succinate 1000 (cap-DPGS-1000)

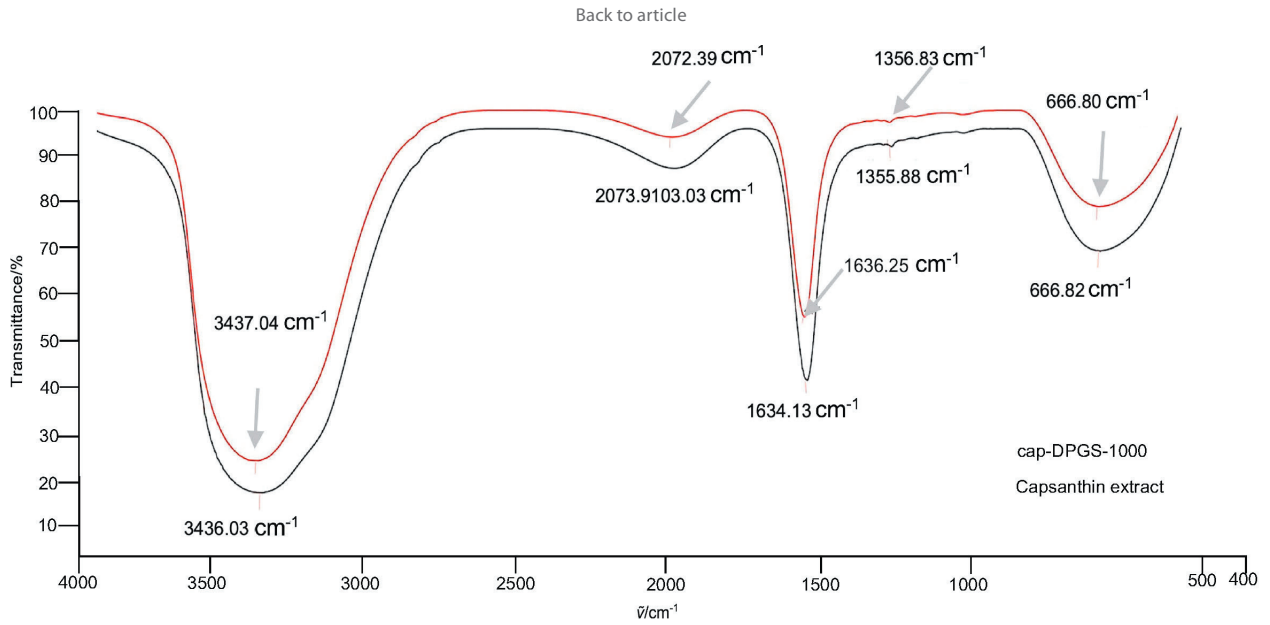


Fig. S3. FTIR spectra of: capsanthin extract and cap-DPGS-1000

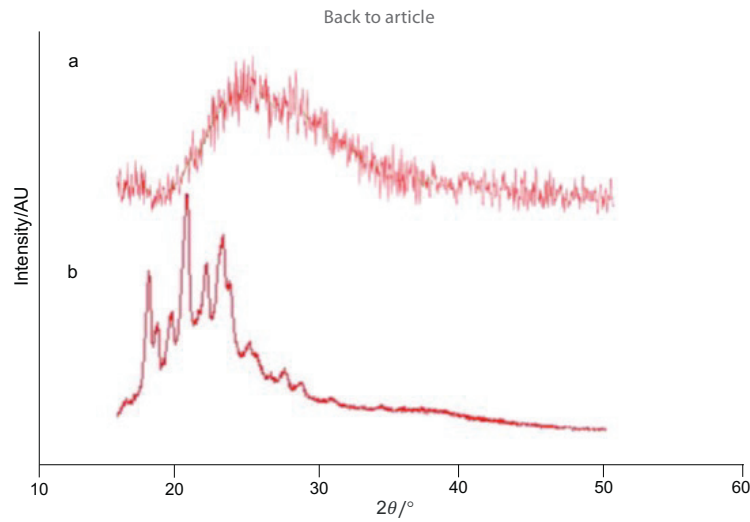


Fig. S4. XRD spectra of: cap-DPGS-1000 (a), and capsanthin extract (b)

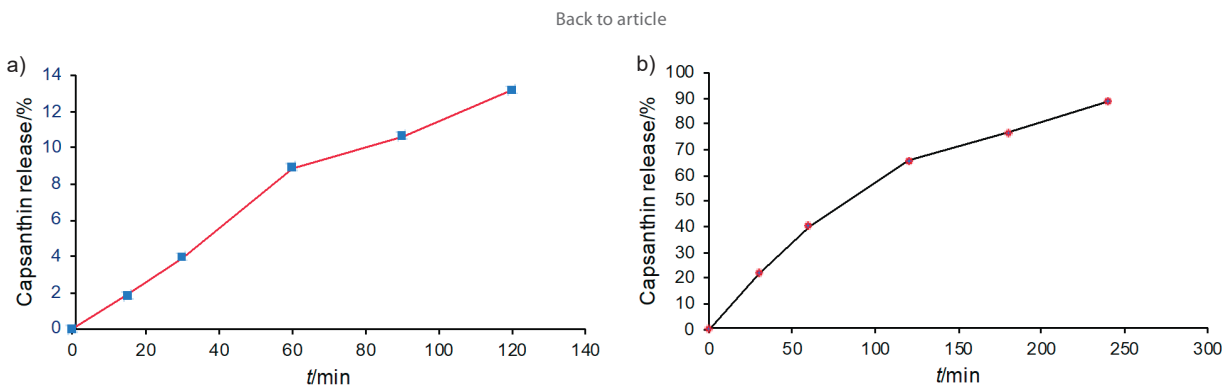


Fig. S5. Release of capsanthin with time from capsanthin-loaded micelles of diosgenin polyethylene glycol succinate 1000 (cap-DPGS-1000) in: a) simulated gastric buffer (pH=1.2) and b) simulated intestine buffer (pH=6.8). Data represent the mean values \pm standard deviation ($N=3$). Dissolution conditions: $V(\text{medium})=900$ mL, 100 rpm paddle stirring speed, method=USP type II