Table S1. IC_{50} of PTX-loaded PEG-FTS micelles compared to free PTX in 4T1.2 mouse breast cancer cell line.

IC_{50} (ng/mL)				
PTX	PEG_{2K}-FTS_2/PTX	PEG_{2K}-FTS_4/PTX	PEG_{5K}-FTS_2/PTX	PEG_{5K}-FTS_4/PTX
202.0	72.8	181.8	59.3	33.2

Figure legends

Figure S1. ^1H NMR spectra (400MHz) of PEG_{2K}-FTS_2 (A), PEG_{2K}-FTS_4 (B), PEG_{5K}-FTS_2 (C) and PEG_{5K}-FTS_4 (D) conjugates in $CDCl_3$.

Figure S2. MADLI-TOF of PEG_{2K}-FTS_2 (A), PEG_{2K}-FTS_4 (B), PEG_{5K}-FTS_2 (C) and PEG_{5K}-FTS_4 (D) conjugates.

Figure S3. The size distribution of free PEG_{2K}-FTS_2 (A), PEG_{2K}-FTS_4 (C), PEG_{5K}-FTS_2 (E) micelles and PTX-loaded PEG_{2K}-FTS_2 (B), PEG_{2K}-FTS_4 (D), PEG_{5K}-FTS_2 (F) micelles in PBS measured by dynamic light scattering (DLS).

Figure S4. Transmission electron microscopy (TEM) of free PEG_{2K}-FTS_2 (A), PEG_{2K}-FTS_4 (C), PEG_{5K}-FTS_2 (E) micelles and PTX-loaded PEG_{2K}-FTS_2 (B), PEG_{2K}-FTS_4 (D), PEG_{5K}-FTS_2 (F) micelles.

Figure S5. Critical micelle concentration (CMC) of PEG_{2K}-FTS_2 (A), PEG_{2K}-FTS_4 (B), PEG_{5K}-FTS_2 (C) and PEG_{5K}-FTS_4 (D) micelles.

Figure S1. ^{1}H NMR spectra (400MHz) of PEG_{2K}-FTS_2 (A), PEG_{2K}-FTS_4 (B), PEG_{5K}-FTS_2 (C) and PEG_{5K}-FTS_4 (D) conjugates in $CDCl_3$.

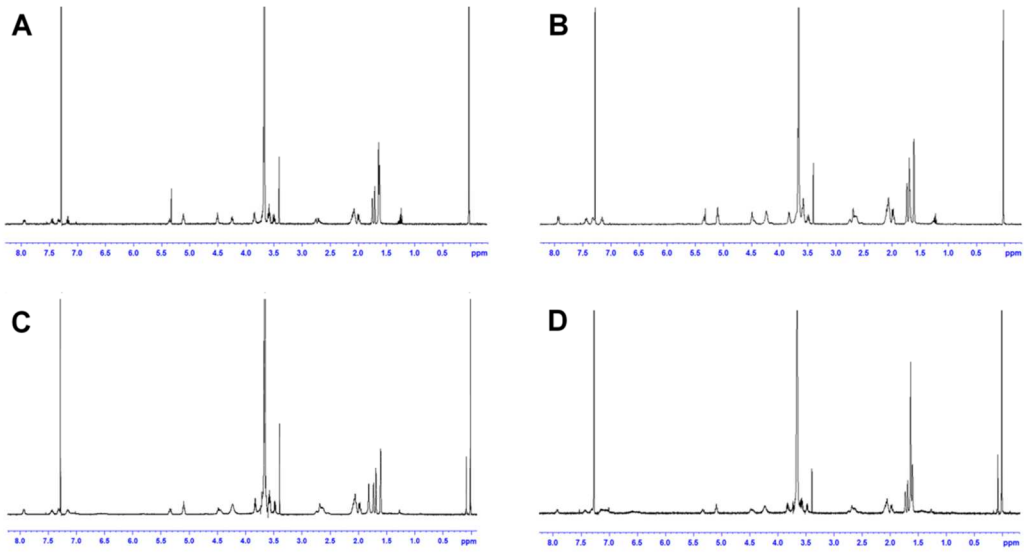


Figure S2. MADLI-TOF of PEG_{2K}-FTS_2 (A), PEG_{2K}-FTS_4 (B), PEG_{5K}-FTS_2 (C) and PEG_{5K}-FTS_4 (D) conjugates.

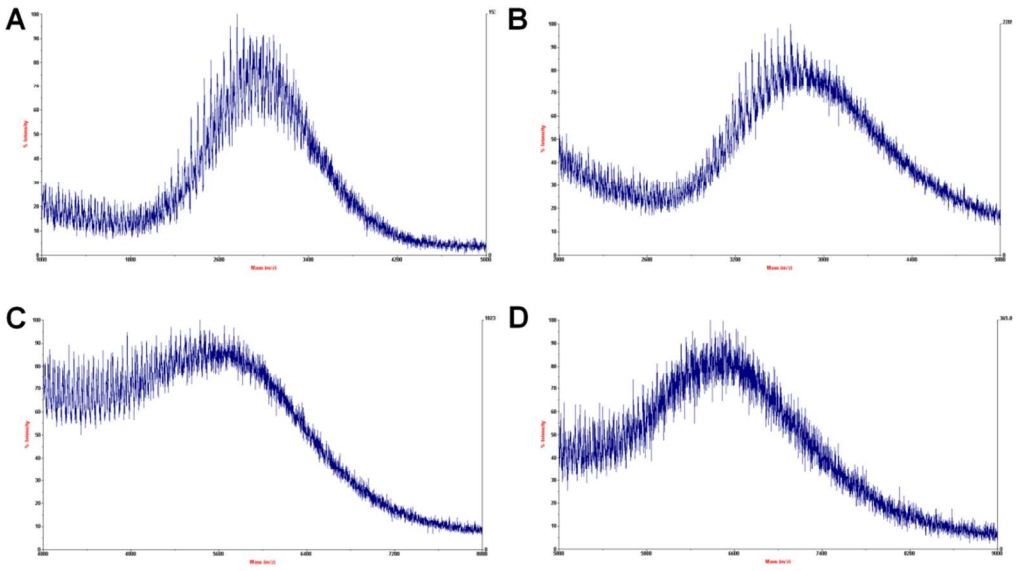
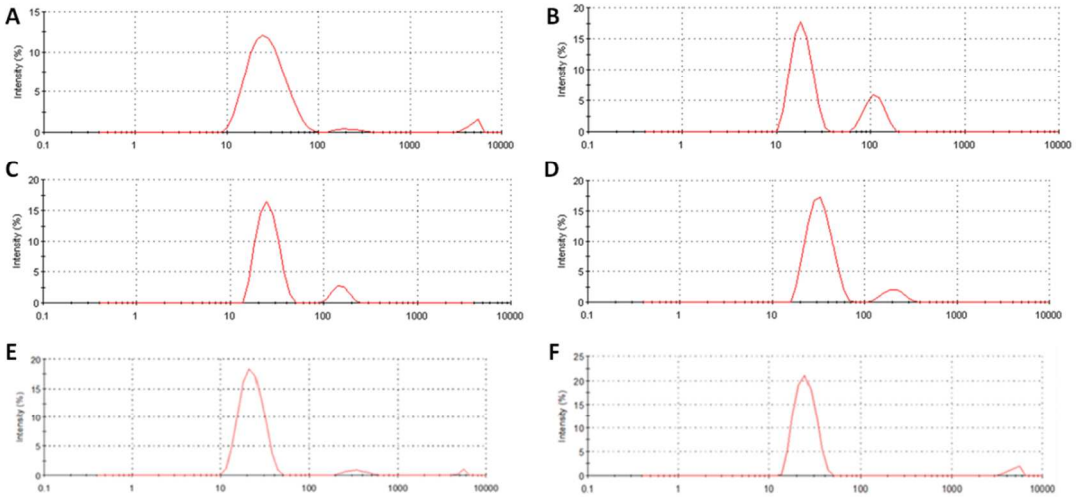


Figure S3. The size distribution of free PEG_{2K}-FTS_2 (A), PEG_{2K}-FTS_4 (C), PEG_{5K}-FTS_2 (E) micelles and PTX-loaded PEG_{2K}-FTS_2 (B), PEG_{2K}-FTS_4 (D), PEG_{5K}-FTS_2 (F) micelles in PBS measured by dynamic light scattering (DLS).



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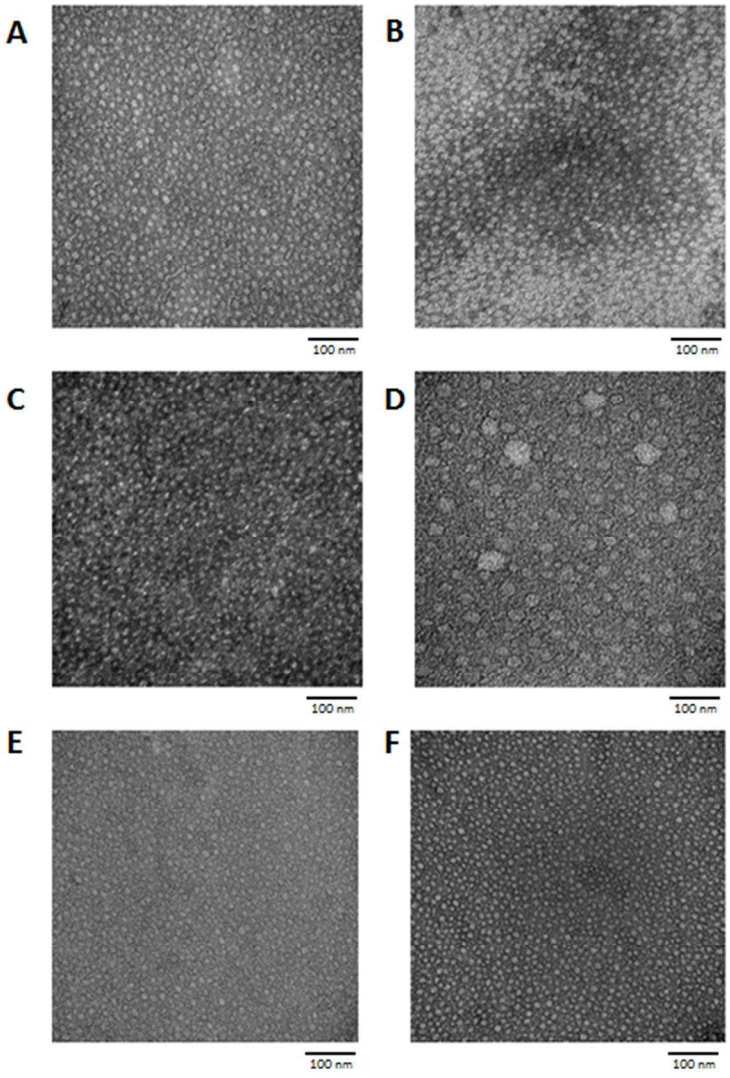

Figure S5. Critical micelle concentration (CMC) of PEG_{2K}-FTS_2 (A), PEG_{2K}-FTS_4 (B), PEG_{5K}-FTS_2 (C) and PEG_{5K}-FTS_4 (D) micelles.