polymers

MDPI

Supplementary Materials

Transferrin-Conjugated Docetaxel–PLGA Nanoparticles for Tumor Targeting: Influence on MCF-7 Cell Cycle

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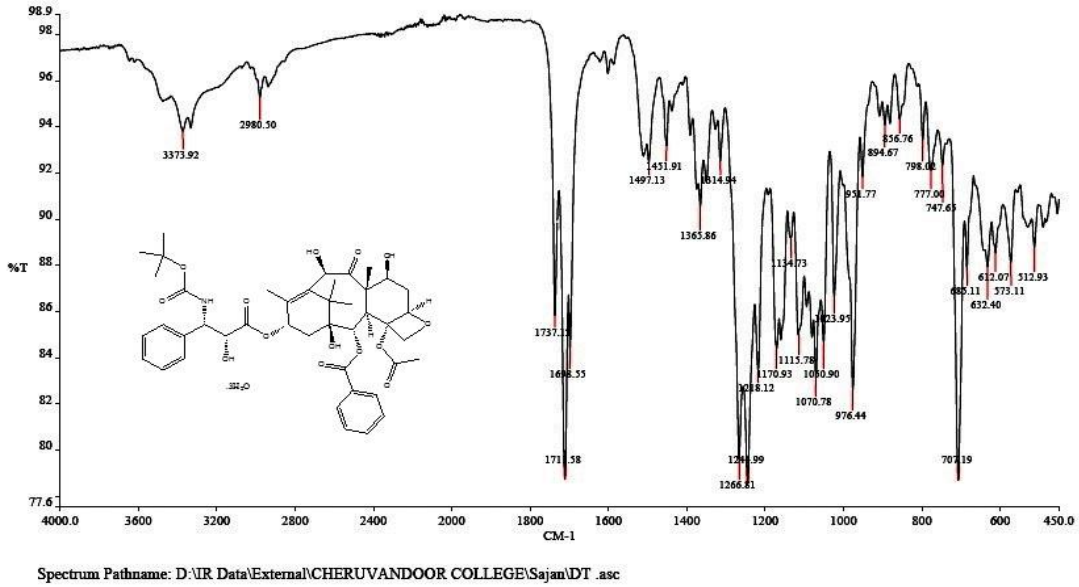
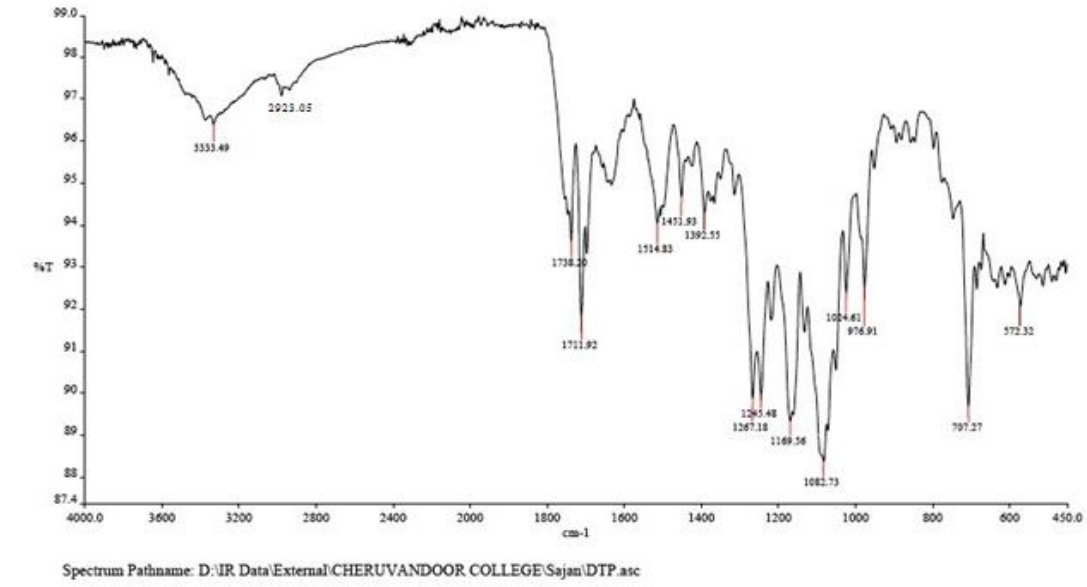
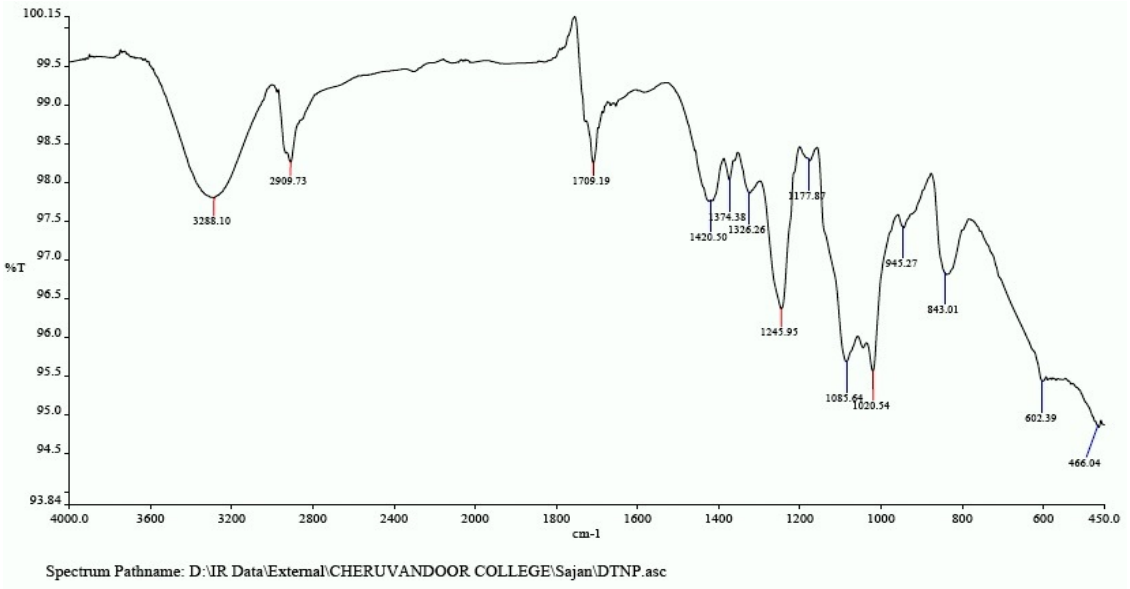
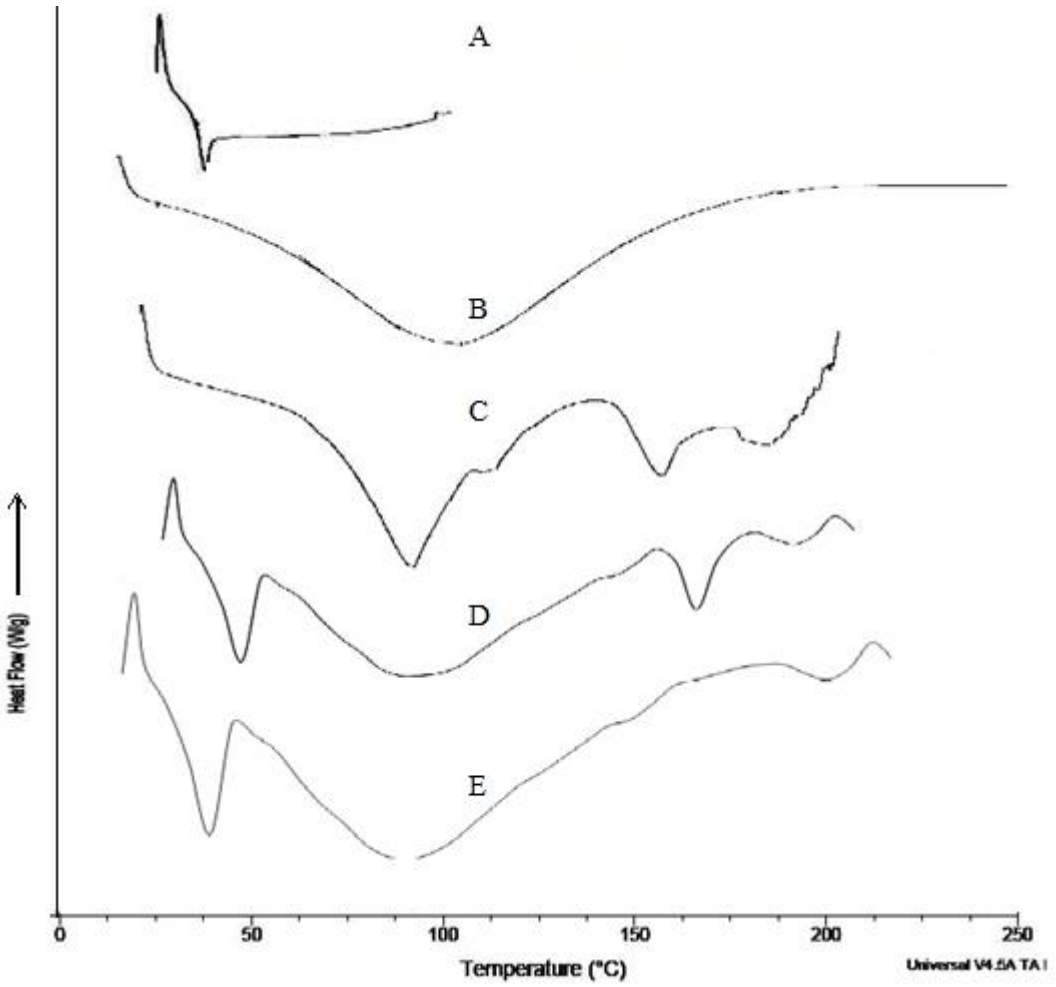


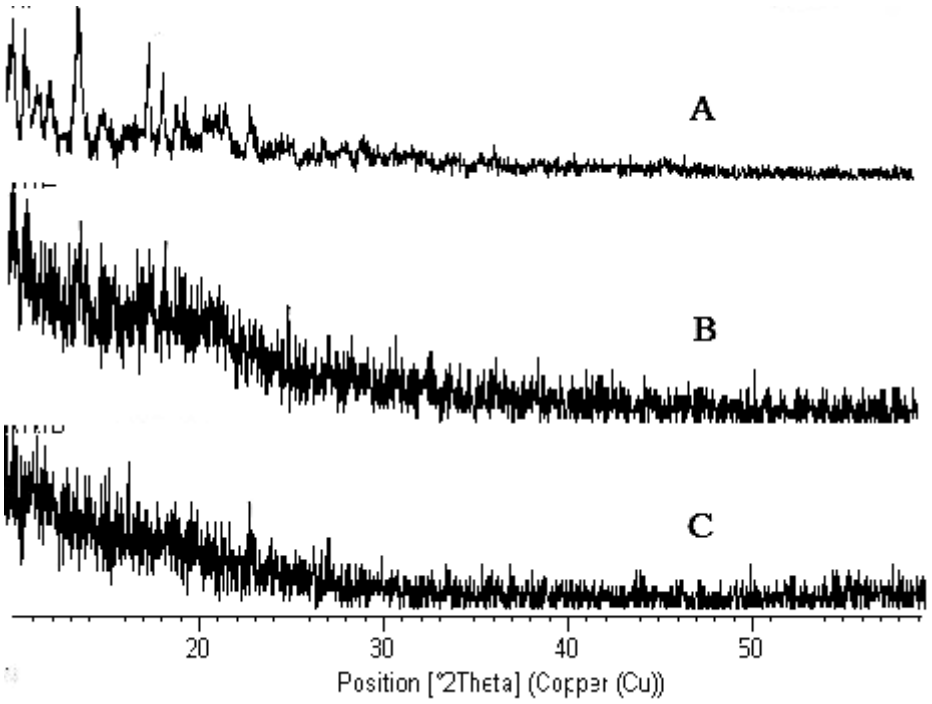




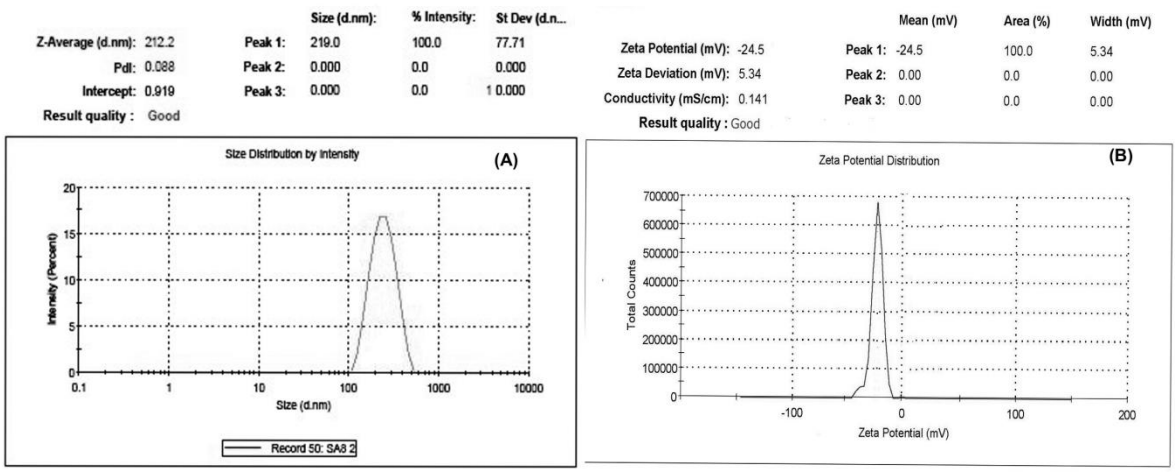
Supplementary Figure S1. FTIR spectrum of docetaxel trihydrate (DCT) (upper), of physical mixture of docetaxel trihydrate, transferrin (T*f*) and PLGA (middle), and of DCT-loaded T*f*-conjugated PLGA NPs (lower).



Supplementary Figure S2. DSC thermogram of PLGA (A), transferrin (B), docetaxel trihydrate (C), their physical mixture (D) and of DCT-loaded T*f*-conjugated PLGA NPs (E).



Supplementary Figure S3. (A) X-ray diffraction pattern of docetaxel trihydrate, (B) physical mixture of docetaxel trihydrate, transferrin and PLGA, and of (C) DCT-loaded T*f*-conjugated PLGA NPs.



Supplementary Figure S4. (A) Particle size distribution and average particle size and (B) zeta potential of DCT-loaded T*f*-conjugated PLGA NPs.