

Electronic Supplementary Material (ESI)

Multifunctional cubic liquid crystalline nanoparticles for chemo- and photodynamic synergistic cancer therapy

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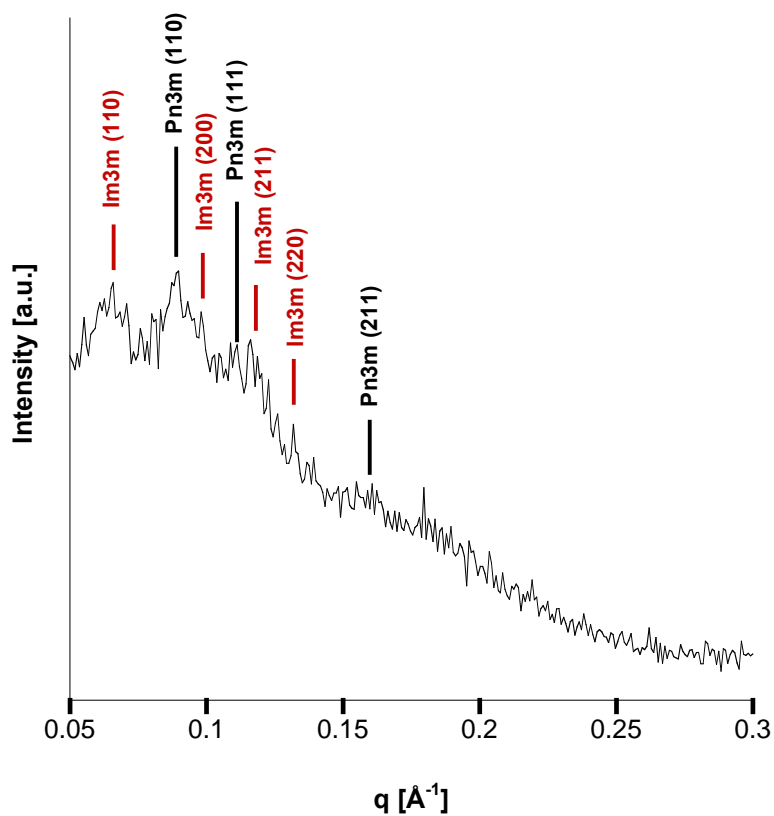


Figure S1. SAXS pattern of the cubosome formulation loaded with **DTX** and stabilized in water using a 60/40 mixture of **PF108** and **PF108-(DPP-ZnP)₂**. The Miller indices for the Im3m and the Pn3m phases are shown on the top of the corresponding Bragg peak.

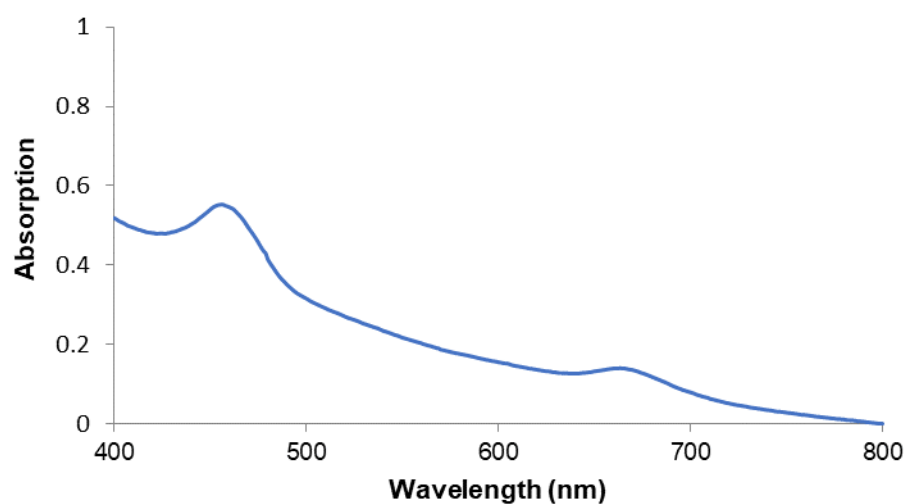


Figure S2. Absorption spectrum of an aqueous dispersion of cubosomes without **DTX**.

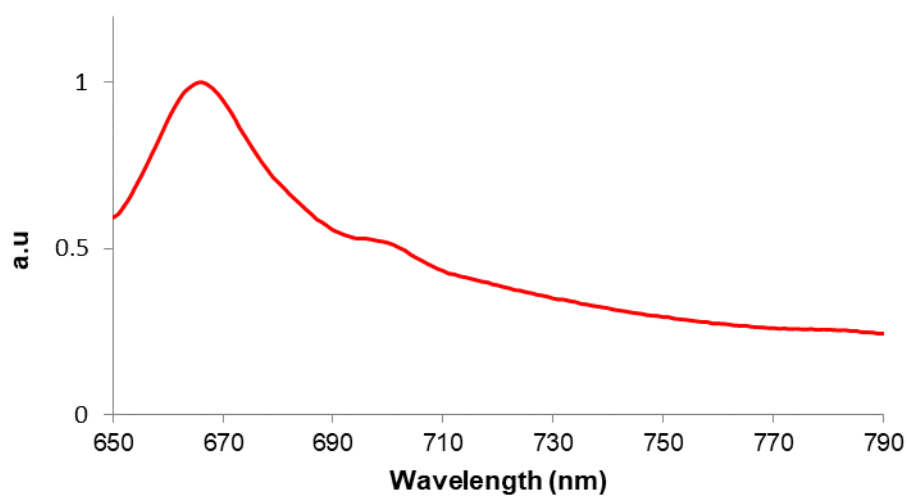


Figure S3. Normalized emission spectra of an aqueous dispersion of cubosomes without **DTX**, $\lambda_{ex} = 480$ nm.

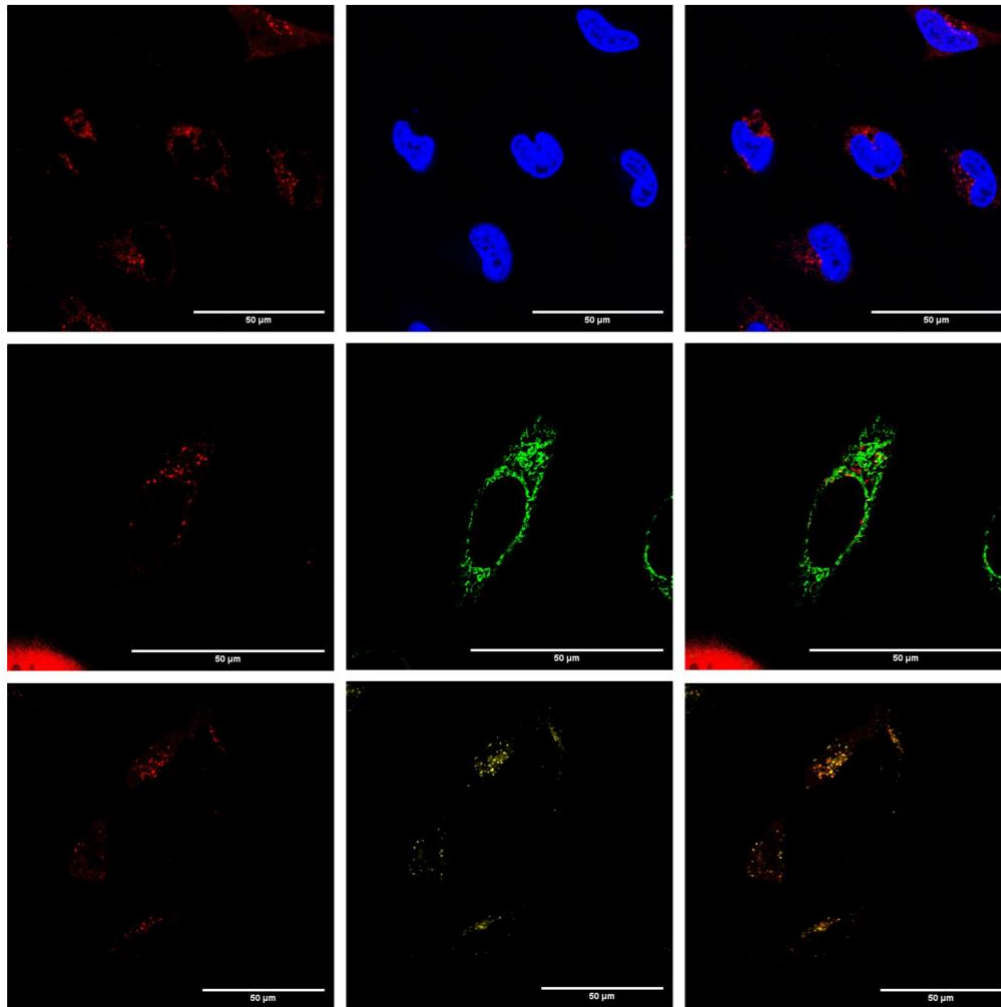


Figure S4. Confocal fluorescence images of HeLa cells incubated 4h with the cubosome formulation (C₅₀₀) detected by its red fluorescence (λ_{ex} : 488 nm, λ_{em} : 700–800 nm) (left column) ; the cells are costained with Hoechst 33258 (λ_{ex} : 405 nm, λ_{em} : 425–500 nm) (top), Mitotracker green (λ_{ex} : 488 nm, λ_{em} : 500–600 nm) (middle), and (c) Lysotracker blue (λ_{ex} : 405 nm, λ_{em} : 425–500 nm) (bottom) ; the right row corresponds to the overlay. Scale bar: 50 μm .