

Nanocarriers from GRAS Zein Proteins to Encapsulate Hydrophobic Actives

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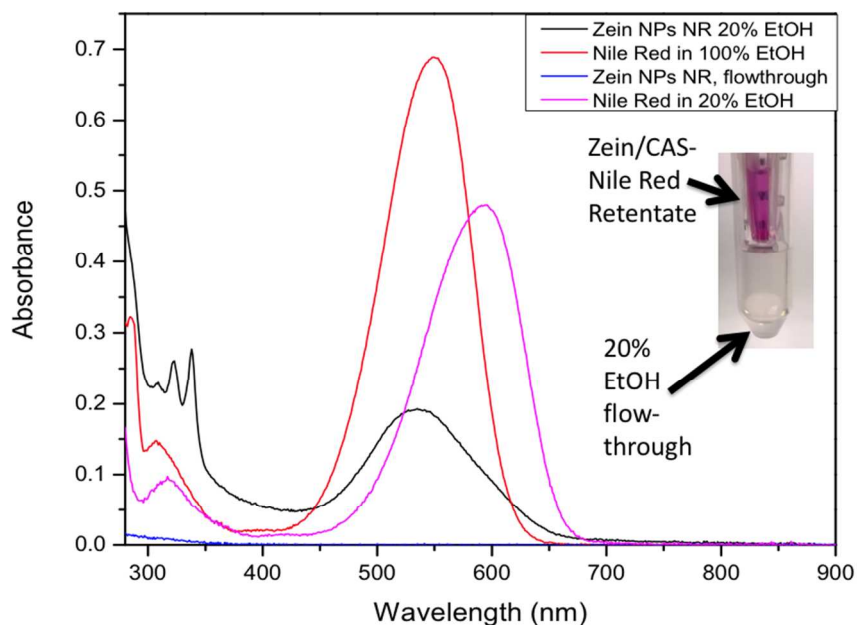
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UV absorbance of Nile Red in solution and encapsulated in NCs:

UV absorbance spectra of NCs and Nile Red dye were collected at room temperature by an Evolution 300 UV-visible Spectrophotometer (Thermo Electron Corporation, Madison, WI, USA) in the wavelength range 200–900nm, with a resolution of 1nm. Samples were measured in a quartz cuvette with a path length of 1cm.



Supplemental Information Figure 1: Nile Red encapsulation efficiency. UV-Vis optical density spectra for free Nile Red in 100% EtOH (initial feed), 20% EtOH (final dispersion), or encapsulated in Zein:CAS NCs with VitE-Ac core. The NC dispersion flow through, obtained by centrifugal filtration (3kD MWCO, 10,000g for 10min) showed no detectable UV-Vis density characteristic of Nile Red.