

SUPPLEMENTARY MATERIAL TO  
**Investigation into the potential chemical mechanism of the  
pro-oxidant activity of carotenoids with liposomes under  
UV-irradiation**

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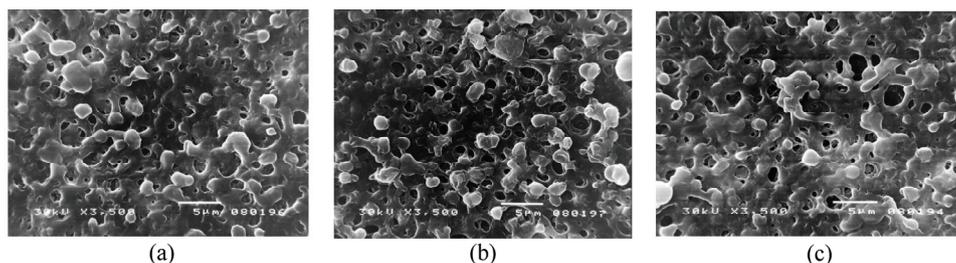


Fig. S-1. SEM micrographs of “empty” liposomes (a) and liposomes with encapsulated  $\beta$ -carotene (b) and lutein (c). The liposomes were prepared from PL90 mixture of phospholipids. The micrographs were taken on a JEOL JSM 5300 (Japan) microscope. The estimated average size of the formed liposomes is  $\approx 2 \mu\text{m}$ .

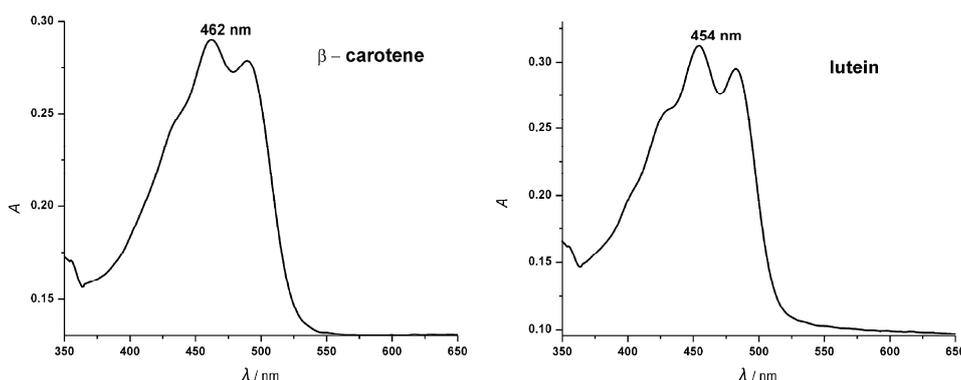


Fig. S-2. UV–Vis absorption spectra of the used Crts inside PL90 liposomes measured on an Olis Aminco DW2 spectrometer.

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