

Supplementary Material: Rapamycin Loaded Solid Lipid Nanoparticles as a New Tool to Deliver mTOR Inhibitors: Formulation and *in Vitro* Characterization

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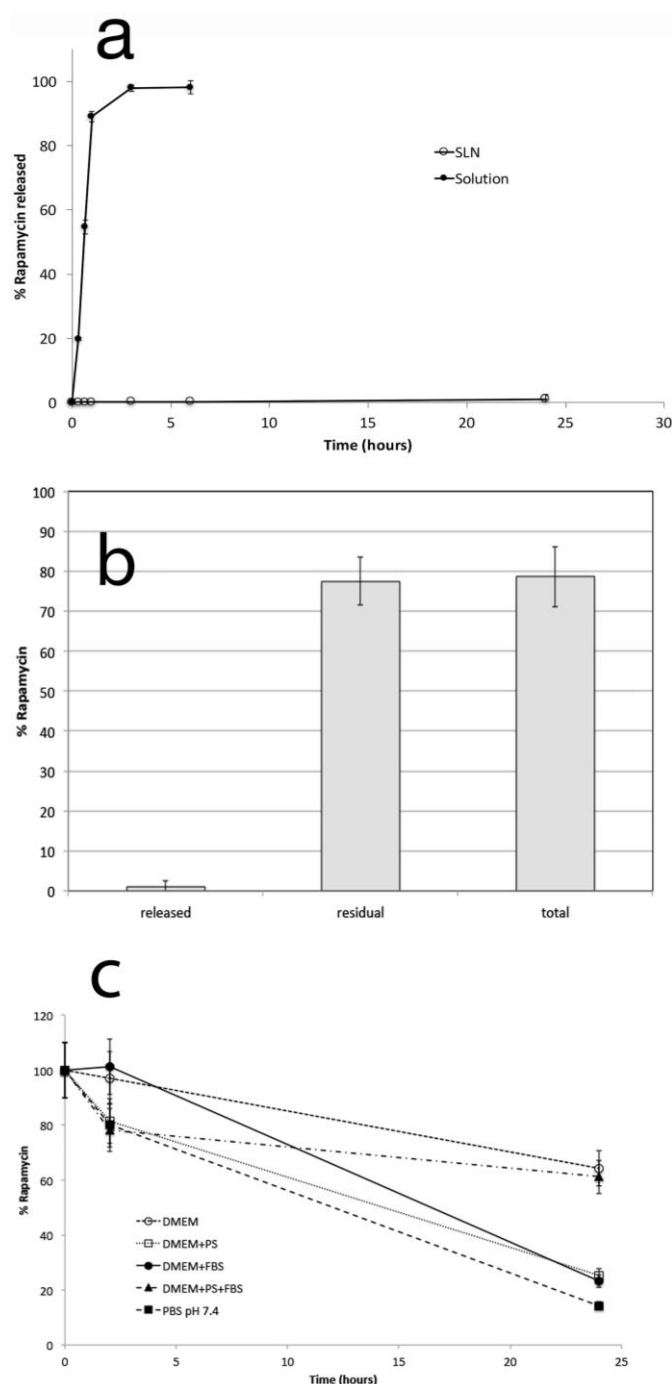


Figure S1. Rapamycin (Rp) stability in standard buffers and culture medium. (a) *In vitro* Rp release from Rp loaded solid lipid nanoparticles (Rp-SLN) in 10% *v/v* ethanol: 0.1 M pH 7.4 phosphate buffer over 24 h at 37 °C; (b) Rp mass balance after 24 h between the released amount and the amount retained inside the SLN; (c) stability profile of Rp in different media over 24 h at 37 °C

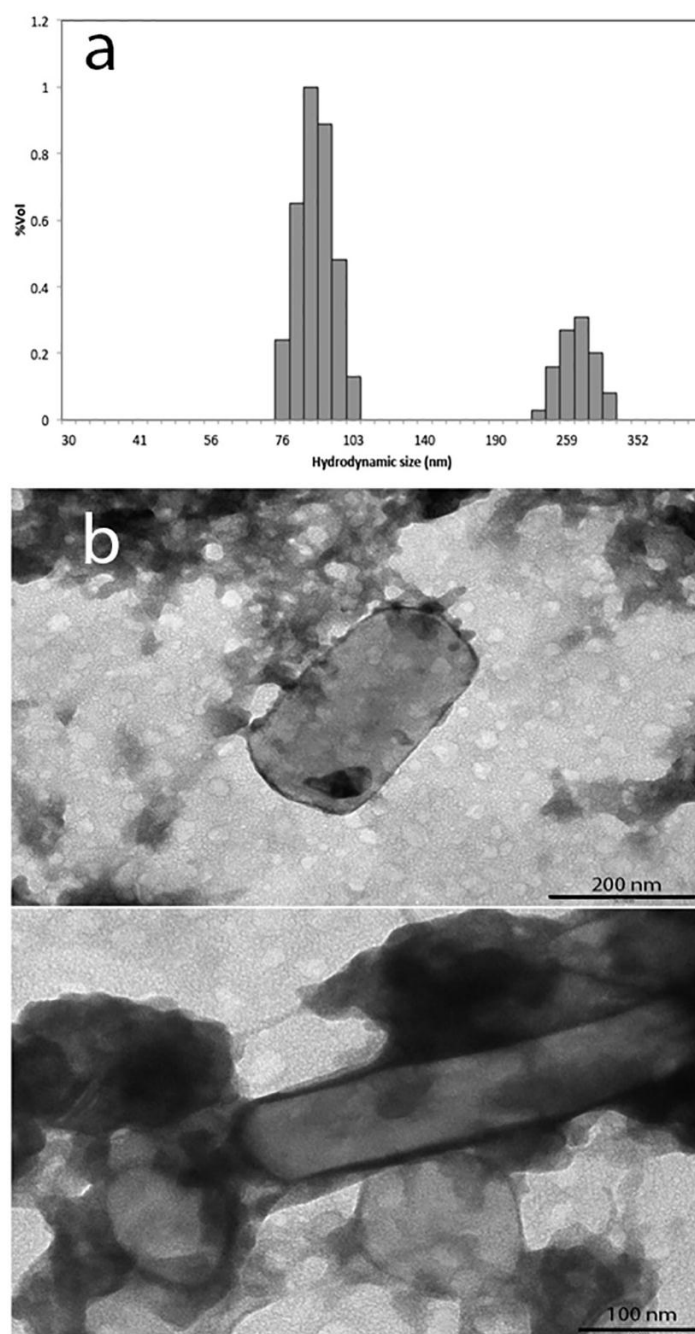


Figure S2. Rp nanocrystals characterization. (a) Size distribution of Rp nanocrystals; (b) Transmission electron microscopy (TEM) images of Rp nanocrystals, magnification 180,000 \times .