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Chitosan-stablized bovine serum albumin nanoparticles having ability to control the release of NELL-1 protein

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Abstract

The study was designed to prepare and evaluate chitosan stabilizedalbumin nanoparticles as NELL-1 protein carriers(Chi/NNPs). The Chi/NNPs were prepared by desolvation method and then stabilized by chitosan through electrostatic interaction. The Chi/NNPs were characterized for drug loading efficiency, surface morphology, particle size, surface charge. Fluorescein isothiocyanate-labeled chitosan was used to confirm the homogeneity of chitosan coating on the BSA nanoparticles. The NELL-1 bioactivity of Chi/NNPs and the release Download English Version:

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