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Title: Solid lipid nanoparticles for oral drug delivery: Chitosan coating improves stability, controlled delivery, mucoadhesion and cellular uptake

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1 Highlights:

- 2 ➤ SLN was prepared by a combined technique of solvent-diffusion and hot
3 homogenization
- 4 ➤ Chitosan coating stabilized SLN in simulated gastric condition
- 5 ➤ Chitosan coating significantly improved mucoadhesive property of SLN
- 6 ➤ Chitosan formed a thick layer around SLN in gastric condition as clearly observed
7 by TEM
- 8 ➤ Surfactants but not chitosan coating determined cell uptake of SLN

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