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Chitosan functionalized poly (e-caprolactone) nanoparticles for amphotericin B

delivery

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Highlights

Chitosan-coated PCL nanoparticles containing amphotericin B were developed and

characterized.

Gastrointestinal stability of amphotericin B was improved by nanoencapsulation.

Nanoencapsulation significantly reduced the amphotericin B-related cytotoxicity over

erythrocytes and Vero cells line.

The in vitro antifungal activity of amphotericin B was maintained after

nanoencapsulation.

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