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Title: The synthesis and application involving regulation of the drug release from mesoporous silica nanotubes

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1 1. Mesoporous silica nanotubes (SNT) were synthesized by using CNT as hard
2 template, and the formation of the SNT shows that CTAB played a significant effect
3 on the coating process.

4 2. The tube mesoporous silica materials which were seldom reported were applied in
5 the drug delivery system to improve the loading amount and the drug dissolution.

6 3. The release rate could be controlled by the gelatin layer on the silica surface and the
7 mechanism was illustrated.

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