

研究简报

## 介孔分子筛孔道结构对药物巯甲丙脯酸释放性能的影响

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摘要 以巯甲丙脯酸为药物模型, 研究了不同孔道结构的介孔分子筛载体的药物释放性能.

关键词 [介孔分子筛](#) [孔道结构](#) [巯甲丙脯酸](#) [释放性能](#)

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## Effect of Mesoporous Silica Pore Structure on the Release Profiles of Captopril Drug

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**Abstract** A series of mesoporous silica with variable pore structures were prepared. The influence of mesoporous structure on drug release profiles was studied. It is found that mesoporous pore structure has a great effect on the drug release rate. The cubic pore structure MCM-48 has a faster drug release rate than that of MCM-41 system; while SBA-16 with "cage-like" pore structure system has the lowest drug release rate.

**Key words** [Mesoporous silica](#) [Pore structure](#) [Captopril](#) [Release property](#)

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