

工业药剂学

## 对乙酰氨基酚缓释微丸的制备与体外释放度考察

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摘要

目的 制备对乙酰氨基酚缓释微丸,并进行释放度考察。方法 采用粉末层积法以离心造粒技术制备载药微丸,以丙烯酸树脂Eudragit NE30D为包衣液包覆缓释衣层,制成膜控缓释微丸,考察聚合物增重、后处理方法及致孔剂等因素对缓释微丸释放度的影响。结果 致孔剂可改善缓释微丸的时滞现象,药物释放速度随膜厚及后处理时间的增加而变慢。结论 对乙酰氨基酚缓释微丸具有较好的释药性能,是一种较理想的口服缓释制剂。

关键词 [药剂学](#) [缓释微丸](#) [离心造粒](#) [对乙酰氨基酚](#)

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## Preparation and drug release study of paracetamol sustained-release pellets

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Abstract

Objective To prepare paracetamol sustained-release pellets and study its release characteristics. Methods The centrifugal coating and granulating equipment were used to prepare pellets, with Eudragit NE30D as sustained-release coating material. The effects of the coating level, the amount of poremaking agent and curing time on the paracetamol release rate from paracetamol sustained-release pellets were studied. Results The coating level, the amount of poremaking agent and curing time can alter the drug release rate. Conclusions It is indicated that paracetamol sustained-release pellets have a good sustained-release property.

Key words [pharmaceutics](#) [sustained-release pellets](#) [centrifugation granulating](#) [paracetamol](#)

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