



醒脑静微乳的体外释放研究

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中文摘要:目的:研究醒脑静微乳体外释放的特性,探讨其释药机制。方法:采用HPLC测定栀子苷含量,GC测定龙脑含量,以透析法研究醒脑静微乳的体外释放并利用药物释放模型方程拟合释放曲线。结果:微乳中水溶性成分栀子苷2 h内基本释放完全,释放符合Weibull方程,脂溶性成分龙脑释放符合一级方程。结论:微乳中不同性质的药物成分释放行为存在较大差异,各成分分布于微乳的不同相中。

中文关键词:微乳 醒脑静 体外释放

Study on *in vitro* release of Xingnaojing microemulsion

Abstract:Objective: To study *in vitro* release of Xingnaojing microemulsion and to investigate the release mechanism. Method: The concentration of jasmminoidin was determined by HPLC and the concentration of Aipian was determined by GC. *In vitro* release characteristics were conducted by dialysis technique. Model fitting was used to determine the kinetics and mechanism. Result: Jasmminoidin released completely within 2 h, fitting the Weibull model best. The release of borneol fitted first order model. Conclusion: The release mechanisms of different types of medicines are quite different. The different types of medicines dissolve in the different phases in the microemulsion.

keywords: microemulsion Xingnaojing *in vitro* release

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