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# 盐酸阿比朵尔凝胶缓释片的制备及体外释放度考察

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摘要
目的 研究盐酸阿比朵尔亲水凝胶缓释片的制备工艺及体外释药影响因素。方法 以盐酸阿比朵尔为模型药物，以羟丙基甲基纤维素（HPMC）为骨架材料，以乳糖为填充剂，以微晶纤维素（MCC）为致孔剂，将盐酸阿比朵尔制成凝胶缓释片，进行体外释放度试验。结果 制备了盐酸阿比朵尔亲水凝胶缓释片，HPMC的黏度和种类、填充剂种类、润滑剂用量是影响释药的主要因素。结论 盐酸阿比朵尔亲水凝胶缓释片体外释药规律良好，符合缓释制剂的要求。

关键词 药剂学 释放度 羟丙基甲基纤维素 盐酸阿比朵尔

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# Investigation on the preparation and drug release in vitro of the Arbidol Hydrochloride gel sustained tablets

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Abstract
Objective To prepare arbidol hydrochloride sustained tablets, and to evaluate its release in vitro. Methods The tablets were prepared with hydroxypropyl methyl cellulose (HPMC) as the matrix material. The effects on drug release from the matrix tablets were investigated. Results The release behavior of the tablets followed one order kinetics equation. The viscosity and amount of HPMC, the kind of the filler and the content of the lubricant had important effects on the release of arbidol hydrochloride from the sustained release tablets. Conclusions The drug release in vitro from arbidol hydrochloride sustained release tablets confirms the requirement of sustained-release formulation.

Key words pharmaceutics release HPMC arbidol hydrochloride

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