中国现代应用药学
Chinese Journal of Modern Applied Pharmacy
全国性科技期刊
全国中文核心期刊
中国科技论文统计源期刊

阎雪梅,李凤丽,宋洁瑾.暑热宁合剂水提醇沉工艺研究[J].中国现代应用药学,2012,29(8):702-704

暑热宁合剂水提醇沉工艺研究

Study on the Process of Extraction for Shurening Oral Liquid

投稿时间： 2012-12-19 最后修改时间： 2012-03-29

DOI：

中文关键词： 正交设计 水提醇沉工艺 暑热宁合剂 葛根素

英文关键词:orthogonal design the water-extraction and alcohol precipitation process Shurening oral liquid puerarin

基金项目:“重大新药创制”科技重大专项项目(2010ZX09102-201)

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中文摘要:

目的 筛选暑热宁合剂水提醇沉最佳工艺条件。方法 采用高效液相色谱法测定水煎液和醇沉液中葛根素的含量；以葛根素提取率和干膏率为评价指标，采用正交试验法考察加水量、煎煮时间、提取次数等因素对水提工艺的影响；同时考察醇沉浓度对醇沉工艺的影响。结果 最佳水提工艺条件为加入10倍水，煎煮3次，每次1.5 h；最佳醇沉工艺条件为加入乙醇使含醇量达65%。结论 优选的方法可为暑热宁合剂提取醇沉工艺提供实验依据。

英文摘要:

OBJECTIVE To optimize the extraction and purification process of Shurening oral liquid by orthogonal design. METHODS The content of puerarin of Shurening oral liquid in water decotion and alcohol deposit fluid were detected by HPLC. The content of puerarin and dry extract rate were used as index; the effects of water volume, boiling time, extraction times and alcohol concentration on process of precipitation were also evaluated by orthogonal design. RESULTS The optimun water extraction process was as follows: water as extracting solvent, three times of extracting, 1.5 h for each time, 10 times volume of solvent to the decoction piedes; the optimal alcohol concentration for precipitation process was 65%. CONCLUSION The experimental results provide the basis for the process of extraction for Shurening oral liquid.

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