

首页 期刊简介 编委会 投稿指南 期刊订阅 审稿指南 常见问题 期刊荣誉 联系我们

引用本文:

[\[点击复制\]](#)

[\[点击复制\]](#)

[【打印本页】](#) [【在线阅读全文】](#) [【下载PDF全文】](#) [【查看/发表评论】](#) [【下载PDF阅读器】](#) [【关闭】](#)

[←前一篇](#) | [后一篇→](#)

[过刊浏览](#) [高级检索](#)

本文已被: 浏览273次 下载68次

双波长反相高效液相色谱法同时测定蓝芩口服液中栀子苷、绿原酸和黄芩苷含量

李会婷, 史天陆, 吴妍, 曹秀, 邓晓媚, 张哲涛

字体: [加大+](#) | [默认](#) | [缩小-](#)

0



码上扫一扫!

(中国科学技术大学附属第一医院, 安徽合肥 230036)

摘要:

目的: 建立双波长反相高效液相色谱 (RP-HPLC) 法同时测定蓝芩口服液中栀子苷、绿原酸和黄芩苷含量的方法。方法: 色谱柱Shimadzu C18 (250 mm×4.6 mm, 5 μm), 流动相乙腈 (A) -0.3%磷酸水溶液 (B), 梯度洗脱模式, 栀子苷、绿原酸检测波长254 nm, 黄芩苷检测波长280 nm, 柱温30 °C, 进样量20 μL。结果: 栀子苷、绿原酸和黄芩苷分别在1.05~209.20 μg/mL、0.50~99.20 μg/mL和0.52~103.00 μg/mL浓度范围内与峰面积线性关系良好, 平均加样回收率分别为100.11%、99.93%和100.45%, RSD分别为1.84%、2.53%和1.30%。结论: 该法简便、快速、灵敏, 可用于蓝芩口服液中栀子苷、绿原酸和黄芩苷的含量测定。

关键词: [蓝芩口服液](#) [栀子苷](#) [绿原酸](#) [黄芩苷](#) [高效液相色谱法](#)

DOI:

基金项目: 2017年安徽省自然科学基金, 编号1708085MH225。

Simultaneous Determination of Geniposide, Chlorogenic Acid and Baicalin in Lanqin Oral Liquid by Dual-Wavelength RP-HPLC

Li Huiting, Shi Tianlu, Wu Yan, Cao Xiu, Deng Xiaomei, Zhang Zhetao

(The First Affiliated Hospital, University of Science and Technology of Chinese, Anhui Hefei 230036, China)

Abstract:

Objective: To establish the dual-wavelength reversed phase high performance liquid chromatography (RP-HPLC) method for simultaneous determination of geniposide, chlorogenic acid and baicalin in lanqin oral liquid. Methods: The Shimadzu C18 column (250 mm×4.6 mm, 5 μm) was used, with mobile phase of acetonitrile (A)- 0.3% phosphoric acid aqueous solution (B). The analysis was performed on a gradient elution program. The detection wavelength of germanoside and chlorogenic acid was 254 nm, meanwhile, baicalin was 280 nm. The column temperature was maintained at 30 °C. And the sample size was 20 μL. Results: Geniposide, chlorogenic acid and baicalin showed good linear relationship within the range of 1.05 to 209.20 μg/mL, 0.50 to 99.20 μg/mL and 0.52 to 103.00 μg/mL. The average recovery rates were 100.11%, 99.93% and 100.45%, respectively. The RSD were 1.84%, 2.53%, and 1.30%, respectively. Conclusion: This method is simple, rapid and sensitive. It can be used for the determination of geniposide, chlorogenic acid and baicalin in Lanqin oral liquid.

Key words: [Lanqin oral liquid](#) [geniposide](#) [chlorogenic acid](#) [baicalin](#) [high performance liquid chromatography](#)

版权所有: 《儿科药理学杂志》编辑部 渝ICP备17000198号-1

地址: 重庆市渝中区中山二路136号重庆医科大学儿童医院内 邮政编码: 400014

电话: 023-63626877; 023-63633143 传真: Email: ekyzz@cqmu.edu.cn

技术支持: [北京勤云科技发展有限公司](#)

 渝公网安备 50010302002124号