

## HPLC测定炎可宁片中盐酸小檗碱、黄芩苷和汉黄芩素的含量

投稿时间: 2012-02-04 [点此下载全文](#)

引用本文: 黄燕萍.HPLC测定炎可宁片中盐酸小檗碱、黄芩苷和汉黄芩素的含量[J].中国实验方剂学杂志,2012,18(20):97~99

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中文摘要:目的:建立炎可宁片中盐酸小檗碱、黄芩苷和汉黄芩素含量的HPLC测定方法。方法:采用Shim-pack VP-ODS(4.6 mm×250 mm,5 μm)色谱柱,流动相为甲醇-乙腈-0.1%磷酸溶液(三乙胺调pH 3.0),梯度洗脱,流速0.8 mL·min<sup>-1</sup>,检测波长265 nm。结果:盐酸小檗碱、黄芩苷和汉黄芩素的线性范围分别为3.838~115.1(r=0.999 8),15.51~465.2(r=1.000 0),7.005~210.1 mg·L<sup>-1</sup>(r=1.000 0),方法回收率均不低于98%。结论:方法简便、准确、重复性好,能排除其他成分的干扰,可用于该制剂的质量控制的评价。

中文关键词:[高效液相色谱法](#) [盐酸小檗碱](#) [黄芩苷](#) [汉黄芩素](#) [炎可宁片](#)

## Determination of Berberine Hydrochloride, Baicalin and Wogonin in Yankening Pian by HPLC

**Abstract: Objective:** A HPLC method was established for the determination of berberine hydrochloride, baicalin and wogonin in Yankening Pian. **Method:** Shim-pack VP-ODS(4.6 mm×250 mm,5 μm) column was used with the mobile phase of methanol-acetonitrile-water, which was adjusted to pH3.0 by 0.1% phosphoric acid solution and triethylamine by gradient elution. The flow rate was 0.8 mL·min<sup>-1</sup>. The detection wavelength was set at 265 nm. **Result:** The HPLC method showed a good linear relationship in the range of 3.838-115.1 mg·L<sup>-1</sup>(r=0.999 8) for berberine hydrochloride, 15.51-465.2 mg·L<sup>-1</sup>(r=1.000 0) for baicalin, 7.005-210.1 mg·L<sup>-1</sup>(r=1.000 0) for wogonin. Recoveries for the three components were all above 98%. **Conclusion:** The methods is simple, accurate and repeatable, which can be used for the quality control of the tablets.

**keywords:** [HPLC](#) [berberine hydrochloride](#) [baicalin](#) [wogonin](#) [Yankening Pian](#)

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