



中文标题 检索 跨刊检索

## HPLC同时测定五味子提取物中的4种类三萜内酯类物质的含量

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中文摘要: 目的: 研究了HPLC测定五味子提取物中de-hydroxy arisanlactone D, 25-hydroxy schindilactone, schindilactone A, lancifodilactone D的含量方法。方法: Waters Symmetry色谱柱(4.6 mm×250 mm, 5 μm), 流动相为乙腈-水(33:67), 柱温37℃, 流速1 mL·min<sup>-1</sup>, 检测波长246 nm。结果: De-hydroxy arisanlactone D, 25-hydroxy schindilactone, schindilactone A和lancifodilactone D的线性范围和(μg)加样回收率分别为0.075-1.800(98.57%), 0.098-0.980(96.44%), 0.095-0.950(97.96%), 0.053-0.530(97.27%)。结论: 该方法分离良好、精密准确, 能用于五味子提取物中4种类三萜内酯类物质的定量分析。

中文关键词: HPLC 五味子提取物 类三萜内酯 de-hydroxy arisanlactone D 25-hydroxy schindilactone schindilactone A lancifodilactone D

### Simultaneous determination of 4 nortriterpenoids in *Schisandra chinensis* extract by HPLC

Abstract: Objective: To determine 4 nortriterpenoids (de-hydroxy arisanlactone D, 25-hydroxy schindilactone, schindilactone A, lancifodilactone D) in *Schisandra chinensis* extract by HPLC. Method: The analysis was performed on a waters symmetry column(4.6 mm×250 mm, 5 μm) with the mobile phase of acetonitrile-water(33:67) at a flow rate of 1 ml·min<sup>-1</sup>. The column temperature was set at 37℃, and the detector wavelength was 246 nm. Result: The linear ranges of de-hydroxy arisanlactone D, 25-hydroxy schindilactone, schindilactone A, and lancifodilactone D are 0.075-1.800, 0.098-0.980, 0.095-0.950, and 0.053-0.530 μg, respectively, and the average recoveries were 98.57%, 96.44%, 97.96%, and 97.27%, respectively. Conclusion: The four nortriterpenoids were well separated by this method, and it could be used to determine the four nortriterpenoids in *Schisandra chinensis* extract.

keywords: HPLC *Schisandra chinensis* extract nortriterpenoid de-hydroxy arisanlactone D 25-hydroxy schindilactone schindilactone A lancifodilactone D

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