



## 藤黄药材的指纹图谱研究

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**中文摘要:**目的:建立藤黄药材的高效液相指纹图谱方法。方法:采用Luna C<sub>18</sub>(4.6 mm×250 mm,5 μm)色谱柱,柱温25 ℃,以乙腈-0.1%冰乙酸水溶液为流动相梯度洗脱,检测波长362 nm,流速为1.0 mL·min<sup>-1</sup>。采用国家药典委员会出版的《中药色谱指纹图谱相似度评价》(2004年A版)软件,对11批不同批次的藤黄药材指纹图谱进行相似度计算。结果:各批藤黄药材中有13个共有峰,各峰分离度良好,各批次藤黄药材间共有峰的相对保留时间RSD均<1.0%,药材间相似度均>90%。结论:本方法具有良好的精密度、重复性、稳定性,各共有峰间分离度高,可用于藤黄药材的真伪鉴别和质量综合评价。

中文关键词:藤黄 HPLC 指纹图谱

### Fingerprint analysis of gamboge by HPLC

**Abstract:**Objective: To establish the chromatographic fingerprint for the quality control of gamboge. Method: Analysis on a Luna C<sub>18</sub>(4.6 mm×250 mm, 5 μm)column eluted with mobile phases containing acetonitrile and 0.1% glacial acetic acid in water in gradient mode. The flow rate was 1.0 mL·min<sup>-1</sup> and the detection wavelength was at 362 nm. The temperature of column was 25 ℃. And data of 11 batches of gamboge samples from different sources were analysed by "similarity evaluation for chromatographic Fingerprint of Traditional Chinese Medicine" software. Result: Thirteen common peaks were selected in chromatograms, and all the common peaks were separated effectively. Conclusion: The precision, repeatability, and stability of this method were satisfying. The method developed can be used to identify and evaluate the quality of gamboge.

**keywords:** gamboge HPLC fingerprint

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