

## 茜草饮片HPLC指纹图谱研究

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中文摘要:目的:利用高效液相色谱法,建立茜草饮片的指纹图谱。方法:色谱条件, Hanbon Kromasil C<sub>18</sub>柱(4.6 mm×250 mm,5 μm);流动相A为乙腈,B为 0.1%三氟乙酸;洗脱方法(0~30 min,10%~25%A;30~35 min,25%~50%A;35~55 min,50%~65%A;55~70 min,65%~95%A;70~75 min,95%~10%A)。体积流量1.0 mL·min<sup>-1</sup>;柱温30 °C;检测波长240 nm;进样量10 μL。结果:对10批茜草饮片进行测定,标定出15个共有峰,采用《中药色谱指纹图谱相似度评价系统2004A版》软件计算出其相似度范围在0.824~0.989,并得出了茜草饮片的对照指纹图谱。结论:该法准确,重复性好,可作为茜草饮片质量控制方法。

中文关键词:[茜草饮片](#) [指纹图谱](#) [高效液相色谱](#)

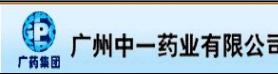
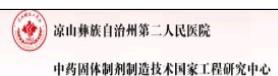
## Studies on HPLC Fingerprint of Rubiae Radix Et Rhizoma

**Abstract:**Objective: To establish an HPLC fingerprint of Rubiae Radix Et Rhizoma. Method: The analysis was carried out with Hanbon Kromasil C<sub>18</sub> column (4.6 mm×250 nm, 5 μm). The mobile phase was acetonitrile (A), 0.1%-trifluoroacetic acid (B), elution for 0-30 min. A was 10%-25% for 30-35 min. A was 25%-50% for 35-55 min. A was 50%-65% for 55-70 min. A was 65%-95% for 70-75 min. A was 90%-10%. Flow rate was 1.0 mL·min<sup>-1</sup>. Wavelength was 240 nm and temperature was maintained at 30 °C. The injection volume was 10 μL. Result: The 15 common peaks had been marked and the similarity of 10 batches of Rubiae Radix et Rhizoma was 0.824-0.989 which was analyzed with the Estimating System of Similarity of 2004A Version (the Country's Pharmacopeia Committee) on the Chinese Medicine Fingerprint Chromatography. The fingerprint chromatography of Rubiae Radix et Rhizoma was established. Conclusion: The method can be used in quality control of Rubiae Radix et Rhizoma with accuracy and better repeatability.

**keywords:**[Rubiae Radix et Rhizoma](#) [HPLC](#) [fingerprint](#)

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