



暗紫贝母水溶性成分HPLC指纹图谱研究

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中文摘要:目的:建立暗紫贝母药材的水溶性成分HPLC指纹图谱。方法:采用Zorbax SB-Aq C₁₈色谱柱(4.6 mm×250 mm,5 μm),流动相为甲醇和水,梯度洗脱,流速1 mL·min⁻¹,检测波长260 nm,柱温为25℃。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系统2.0版》软件,对11批暗紫贝母药材进行指纹图谱分析。结果:11批暗紫贝母药材中有14个共有峰,指认了9个共有峰,各峰分离度良好,各批次暗紫贝母药材相似度均大于0.970,质量均一性好。结论:本方法具有良好的精密度、重复性、稳定性,可用于暗紫贝母药材的质量综合评价。

中文关键词:暗紫贝母 水溶性成分 HPLC 指纹图谱

Study on water-soluble constituents of *Fritillaria unibracteata* by HPLC fingerprints

Abstract: Objective: To establish a HPLC fingerprint of water-soluble constituents of *Fritillaria unibracteata*. **Method:** Zorbax SB Aq C₁₈ chromatographic column (4.6 mm×250 mm, 5 μm) was adopted for gradient elute with the mobile phase consisting of methanol and water. The flow rate was 1.0 mL·min⁻¹; the detection wavelength was 260 nm, and the temperature of sample manager was set at 25℃. Similarity Evaluation System for Chromatographic Fingerprint of traditional Chinese medicine (version 2.0) published by the State Pharmacopoeia Committee of China was adopted for the fingerprint analysis on the 11 batches of *F. unibracteata* herbs. **Result:** The 11 batches of *F. unibracteata* herbs had 14 common peaks, nine of which were identified with good separating degrees. The similarities of the 11 batches were more than 0.970, with good quality homogeneity. **Conclusion:** The method is so accurate, highly reproducible and stable that it is suitable for the comprehensive quality evaluation of *F. unibracteata* herbs.

keywords: *Fritillaria unibracteata* water-soluble constituent HPLC fingerprint

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