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广告合作

黄芪药材**RRLC-UV-MS**指纹图谱研究

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中文摘要:目的: 建立黄芪的RRLC/UV-MS指纹图谱分析方法。　方法 :采用Agilent Zorbax Extend C_{18}色谱柱(2.1 mm×100 mm, 1.8 μm);以乙腈-0.1％甲酸为流动相进行梯度洗脱;流速0.3 mL·min^{-1},进样量0.5 μL;柱温30 ℃;检测波长254 nm。　结果 :建立了黄芪药材RRLC/UV-MS指纹图谱分析方法,对11批样品进行了分析,其相似度均达到0.92以上,并对其中7个色谱峰进行了初步归属。　结论 :本方法快速高效,可用于黄芪指纹图谱的测定,并为其全面质量控制提供参考。

中文关键词:黄芪　指纹图谱　RRLC-MS

RRLC-UV-MS fingerprint of Radix Astragali

Abstract: Objective : To establish a method for detecting the fingerprint of Radix Astragali by RRLC-UV-MS. Method : Separation was performed on an Agilent Zorbax Extend C_{18} column(2.1 mm×100 mm, 1.8 μm). Gradientelution was performed by the mobile phases consisting of acetonitrile and 0.1% formic acid with the flow rate of 0.3 mL·min^{-1}, the detection wavelength was set at 254 nm ,and the column temperature was 30 ℃. Result : The method of fingerprint analysis on Radix Astragali by RRLC-UV-MS was established.　Eleven samples of Radix Astragali were analyzed, the similarities were over 0.92, and seven peaks in the fingerprint were designated. Conclusion : The method can be applied to the quality control and studies on chemical constituents of Radix Astragali.

keywords: Radix Astragali　fingerprint　RRLC-UV-MS　chemical constituents

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