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HPLC同时测定人参须根中人参炔醇和人参环氧炔醇的含量

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中文摘要: 目的: 建立同时测定人参须根中人参炔醇和人参环氧炔醇含量的方法。方法: 采用Elite C₁₈色谱柱(4.6 mm×150 mm, 5 μm), 流动相为乙腈-水, 梯度洗脱, 流速1.0 mL·min⁻¹, 检测波长230 nm, 柱温室温。结果: 人参炔醇和人参环氧炔醇分别在0.70~3.50 μg(r=0.999 5)和0.64~3.20 μg(r=0.999 9)呈良好线性关系, 平均回收率分别为99.1%(RSD 1.7%), 99.3%(RSD 1.2%)。结论: 该方法快速简便, 重复性好, 为人参须根的综合开发提供质控依据。

中文关键词: [人参须根](#) [人参炔醇](#) [人参环氧炔醇](#) [HPLC](#)

Simultaneous determination of panaxynol and panaxydol in fibrous root of *Panax ginseng* by HPLC

Abstract: Objective: To establish an HPLC method for simultaneous determination of panaxynol and panaxydol from the fibrous root of *Panax ginseng*. Method: The analysis was performed on Elite C₁₈ column (4.6 mm×150 mm, 5 μm) with mobile phase gradient of CH₃CN-water at a flow rate of 1.0 mL·min⁻¹. The detection wavelength was 230 nm, and the detection temperature was ambient. Result: The linear range were 0.70-3.50 μg (r=0.999 5) for panaxynol, and 0.64-3.20 μg (r=0.999 9) for panaxydol. The average recoveries were 99.1% (RSD 1.7%) and 99.3% (RSD 1.2%), respectively. Conclusion: The HPLC method is simple, rapid and reproducible, which can be used for the quality control of the fibrous root of *P. ginseng*.

keywords: [Panax ginseng](#) [panaxynol](#) [panaxydol](#) [HPLC](#)

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