Determination of dehydroandrographolide content in Jinji capsule by high performance liquid chromatography

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View from specialist: It is creative, and of certain scientific and educational value.

[ABSTRACT] Objective: To determine the content of dehydroandrographolide in Jinji capsule by high performance liquid chromatography. Methods: Chromatographic column C₁₈ (150 mm × 4.6 mm, 5 μm) was applied and a methanol-water (50:50) was used as mobile phase. The flow rate was 1.0 mL/min while the detection wavelength was 250 nm. Result: Linear relationship between the concentration of 8-40 μg/mL was well and the regression equation was Y=131.312X-24910 (r=0.9999, n=5). The average percent recovery equaled to 98.67% (n=6). Conclusions: The method is not only simple and accurate but also reproducible. And it can be used to determine the content of dehydroandrographolide in Jinji capsule.

[KEY WORDS] HPLC; Jinji capsule; Dehydroandrographolide; Determination