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摘要：建立HPLC法测定当归中阿魏酸的含量方法。色谱柱采用Thermo ODS HYPERSIL (250mm×4.6 mm, 5 μm)，流动相为乙腈-0.3%乙酸溶液(体积比为30:70)，流速：1.0mL/min，检测波长：322nm，进样量为10μL，柱温：35℃。阿魏酸在0.1~10μg/mL范围内，线性关系良好( $r=0.9998$ )。平均回收率为101.58%，RSD为1.57%。该方法灵敏、准确、简便易行、重复性好，可用于中药当归药材的质量控制。

关键词：当归,阿魏酸,高效液相色谱法

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[Research on detecting the amount of ferulic acid in Angelica sinensis Diels by HPLC](#)

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Abstract: A High Performance Liquid Chromatography (HPLC) method was established to determine the content of ferulic acid in Angelica sinensis Diels. Thermo ODS HYPERSIL (250mm×4.6 mm, 5μm), acetonitrile -0.3% acetic acid (30:70) as the mobile phase, with a detection wavelength at 322 nm. The flow rate was 1.0mL/min. The injection volume was 10μL, and the column temperature was set at 35℃. The calibration curve of ferulic acid was in good linearity over the rang of 0.1~10μg/mL ( $r=0.9998$ ). The average recovery was 101.58%, and RSD was 1.57%. The method is simple and accurate, and can be used for the determination of ferulic acid in Angelica sinensis Diels.

Key words: Angelica sinensis diels, Ferulic acid, HPLC

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