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摘要：目的：建立HPLC法测定舒胸分散片中人参皂苷Rg1的含量。方法：以舒胸分散片为研究对象，采用Diamonsil C18(200×4.6mm, 5μm)色谱柱，流动相：乙腈：水(0.05%磷酸)=25：75，流速1.0 mL/min，检测波长203 nm，柱温为35℃。结果：人参皂苷Rg1在27.52-440.4μg/mL (r=0.9999)范围内呈良好线性关系；平均回收率为97.1%。结论：本测定方法简便、快速、准确，为舒胸分散片质量评价提供可靠方法。

关键词：舒胸分散片, 人参皂苷Rg1, 含量测定, 高效液相色谱

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Determination of ginsenoside Rg1 in Shuxiong dispersible tablets by HPLC

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Abstract: Objective: An RP-HPLC method was developed to determine the contents of ginsenoside Rg1 in Shuxiong dispersible tablets. Methods: Diamonsil C18 (200×4.6mm, 5μm) column was used, the mobile phase: CH3CN: H2O(0.05%phosphoric acid)=25:75, at a flow rate of 1.0 mL/min. The UV detection wavelength was 203 nm, and the column temperature was 35℃. Results: The linear range was 27.52-440.4 μg/mL (r=0.9999) for ginsenoside Rg1. The average recoveries of ginsenoside Rg1 were 97.1% respectively. Conclusion: The method was found to be simple and accurate for analysis of ginsenoside Rg1 in Shuxiong dispersible tablets, and provided a reliable way for evaluating the quality of it.

Key words: Shuxiong dispersible tablets, HPLC, Ginsenoside Rg1, Content determination

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