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高效液相色谱法测定酒豨莶草中奇壬醇的含量

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作者中文名	作者英文名	单位中文名	单位英文名	**E-Mail**
刘赞	LIU Zan	中国药科大学,江苏 南京 210009	China Pharmaceutical University, Nanjing 210038, China	
俞桂新	CHOU Guixin	上海中药标准化研究中心,上海 201203	Shanghai Research and Development Center for Standerdization of Chinese Medicines, Shanghai 201203, China	chouguixin@yahoo.com.cn
王峥涛	WANG Zhengtao	中国药科大学,江苏 南京 210009 上海中药标准化研究中心,上海 201203	China Pharmaceutical University, Nanjing 210038, China Shanghai Research and Development Center for Standerdization of Chinese Medicines, Shanghai 201203, China	wangzht@hotmail.com

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中文摘要：目的: 建立测定酒豨莶草中奇壬醇含量的高效液相色谱方法。 方法 :Boston Crest ODS 色谱柱(4.6 mm×250 mm,5 μm);以乙腈为流动相A,以水为流动相B,进行梯度洗脱;检测波长215 nm,流速1.0 mL·min^{-1}。 结果 :奇壬醇在0.020 2~20.02 μg呈良好的线性关系(r=0.999 8),该方法平均回收率为99.62%,RSD 2.0%。 结论 :该方法简便易行、准确、重复性好,可用于酒豨莶草中奇壬醇的含量测定。

中文关键词：酒豨莶草 奇壬醇 高效液相色谱法 含量测定

Determination of kirenol in Herba Siegesbeckiae Preparata by highperformance liquid chromatography

Abstract: Objective :To establish a high performance liquid chromatographic method for the determination of kirenol in Herba Siegesbeckiae Praeparata. Method : The analysis was carried out on a Boston Crest ODS column (4.6 mm×250 mm,5 μm) with gradient elution using acetonitrile-water as mobile phases. The flow rate was 1.0 mL·min^{-1} and the detection wavelength was at 215 nm. Result : The calibration curve was linear over the range of 0.020 2-20.02 μg for kirenol. The correlation coefficient of the calibration curve was 0.999 75. The average recovery was 99.62% with relative standard derivation (RSD) of 2.0%. Conclusion : The results showed that the method is simple, accurate and repeatable and it is suitable for the determination of kirenol in Herba Siegesbeckiae Praeparata.

keywords: Herba Siegesbeckiae Preparata kirenol HPLC determination

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