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**摘要:** 采用HPLC法测定甲磺酸帕珠沙星中的光学异构体。采用色谱柱Inertsil ODS 3 5 $\mu$ m 4 6 $\times$ 250mm; 流动相为乙腈: 0.2mol/L无水柠檬酸 (pH3.0):水 (每100 mL水中加D-苯丙氨酸0.15g, 加氯化铜0.15g溶解后混匀)=8:1:92; 检测波长322nm, 流速1.5mL/min。在0.10~0.30 $\mu$ g范围内, 主药峰面积与进样量线性关系良好,  $r=0.9999$ 。用HPLC法测定甲磺酸帕珠沙星中光学异构体, 方法简便, 专属性及重现性好。

**关键词:**

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## Sepecation of pazufloxacin mesilate and its optical isomer by HPLC

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**Abstract:** Objective A HPLC method was established for the determination of Pazufloxacin mesilate and its optical isomer. The HPLC system consisted of Inertsil ODS 3 Column (Diamonsil 4 6 mm $\times$ 250mm, 5 $\mu$ m) with the mobile phase of acetonitrile:0.2mol/L anhydrous citric acid(pH3.0):water(D-phenylalanine0.15g and cupric chloride 0.15g &#8226;100mL 1)=8:1:92. The flow rate was 1.5mL&#8226;min 1 and detected at 322nm. The standard curve was linear in the range of 0.10-0.30 $\mu$ g, and the correlation coefficient is 0.9999. The proposed method is convenience, selective and reproducibile, and can be used to determination of Pazufloxacin mesilate and its optical isomer.

**Key words:**

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