

医学研究

液相色谱-串联质谱法测定Beagle犬血浆中罗替戈汀的浓度

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摘要

关键词

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Determination of Rotigotine in Beagle Dog Plasma by HPLC-MS/MS

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Abstract The rotigotine in beagle dog plasma was determined by liquid chromatographic-tandem mass spectrometry. The method of HPLC-MS/MS was used, and detection was performed on a tandem spectrometry in multiple reaction monitoring(MRM) mode. The standard curves are linear in the range of 0.025-12.5 $\mu\text{g L}^{-1}$, and the recovery is 89%-91%, the intra-day and the inter-day precision are less than 5.6% and 6.8%, respectively. The low limit of quantification(LLOQ) is 0.025 $\mu\text{g L}^{-1}$. The specificity is good and sensitive, so this method is suitable for the pharmacokinetic research of rotigotine.

Key words [rotigotine](#) _ [HPLC-MS/MS](#) _ [plasma](#) [concentration](#)

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