

论文

麝香酮在大鼠、家兔和狗体内的药代动力学

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摘要:

麝香酮在大鼠体内的药时过程符合二室开放模型,在家兔和狗体内的药时过程则符合三室开放模型。大鼠、家兔和狗之间的药代动力学过程存在着显著的种属差异,大鼠iv麝香酮12,18和24 mg/kg三种剂量间的药代动力学主要参数无显著性差异。iv给药大鼠的 $T_{1/2\beta}$ 为118.1~131.2min。家兔和狗的 $T_{1/2\beta}$ 分别为24.9和30.0 min, $T_{1/2\gamma}$ 分别为331.9和366.4 min。大鼠、家兔和狗三种动物的 V_{ss} 分别为23.0,51.7和7.3 L/kg。 V_c 分别为2.33,2.13和0.38 L/kg。

关键词: 麝香酮 药代动力学

PHARMACOKINETICS OF MUSCONE IN RATS, RABBITS AND DOGS

YW Zhu; GF Cheng and XY Zhu

Abstract:

The plasma concentration-time course of muscone in rats after a single iv administration fitted well to a two-compartment open model, and those in rabbits and dogs were all comformod to a three-compartment open model. Significant species differences were observed in the pharmacokinetic parameters among rats, rabbits and dogs, while no significant differences were found among the three dosages of 12,18 and 24 mg/kg after iv administration to rats. In rats, the $T_{1/2\beta}$ was found to be 118.1~131.2 min. In rabbits and dogs, the $T_{1/2\beta}$ were 24.9 and 30.0 min, respectively and the $T_{1/2\gamma}$ were 331.9 and 366.4 min, respectively. In rats, rabbits and dogs, the V_{ss} were 23.0, 51.7 and 7.3 L/kg, respectively, and the V_c were 2.33, 2.13 and 0.38 L/kg, respectively.

Keywords: Pharmacokinetics Muscone

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