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The Pharmacokinetics of Lamivudine in Healthy Rabbit Treated with Cimetidine

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Abstract

The effects of cimetidine on the plasma concentration of Lamivudine (3TC) were examined in rabbits. Three subjects were given 14 mg/kg BW lamivudine alone. On day 8, the three subjects were given 78 mg/kg BW cimetidine one hour before a dose of lamivudine. There were statistically significant differences in the pharmacokinetic parameter produced by administration with cimetidine. There were C max and AUC 0-120 but t max was no different. The different had apparent effect on the plasma concentrations of lamivudine and was determined with HPLC

Keyword : lamivudine, cimetidine, HPLC,

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