

ラットにおけるセフォキシチンナトリウムの 腸管吸収：剤型の影響

西畑 利明, 吉富 博則, Takeru HIGUCHI**

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Intestinal absorption of sodium cefoxitin in rats: effect of formulation

Toshiaki NISHIHATA, Hironori YOSHITOMI, Takeru HIGUCHI

ABSTRACT: The absorption of cefoxitin from rat intestine, rectum and small intestine was greater when the powdered form was administered than when an aqueous solution was given. Cefoxitin absorption from the small intestine was significantly increased after its administration in suppository form prepared with a triglyceride base, although rectal absorption from the suppository did not differ from that of the drug in powdered form. The increase in absorption by the small intestine from the suppository form may be due to fatty acids produced from triglyceride by lipase.

抄録 ラット小腸と直腸における、セフォキシチンの吸収は、水溶液より粉末で投与した時に大きい。小腸よりの吸収は、坐薬基剤のトリグリセリドとの併用で大きく増加する。直腸での吸収には、坐薬基剤は影響しない。小腸での吸収増加は、リパーゼによりトリグリセリドより生じた、脂肪酸によるものと思われる。

* Faculty of Pharmaceutical Sciences, Osaka University 大阪大学

** Department of Pharmaceutical Chemistry, The University of Kansas
カンサス大学