

pharmacokinetics of losartan potassium

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Losartan administration results in a decrease in total peripheral resistance afterload and cardiac venous return preload. Drug concentration response relationships in normal volunteers after oral administration of losartan, an angiotensin II receptor antagonist. Explicit use of et al. Centers for Medicare and Medicaid Services. It may also delay progression of diabetic nephropathy and is associated with a positive clinical outcome in that regard. Losartan undergoes substantial first-pass metabolism by the cytochrome P system. A case of angioedema has been reported in a patient being treated with losartan. CV Commonly used brand name s: Retrieved from " https: In addition, the binding to the target enzyme is pH-sensitive, and the negatively-charged tetrazole ring, which is similar in size to the negative carboxylic acid derivative, may contribute to the activity of the drug. How Does It Work? In January , the FDA issued a black box warning that losartan can cause fetal toxicity, and should be discontinued as soon as pregnancy is detected. Pharmacokinetics and biochemical efficacy after single and multiple oral administration of losartan, an orally active nonpeptide angiotensin II receptor antagonist, in humans. International Medical Products Price Guide. Angiotensin II receptor blockade: Uses authors parameter CS1 maint: In other projects Wikimedia Commons.Cozaar, Tablet, film coated, mg/1, Oral, Pd Rx Pharmaceuticals, Inc. , Not applicable, US Us, 54 nlmimage10 cab. Cozaar, Tablet, 25 mg, Oral . Losartan Potassium, Tablet, mg, Oral, Jubilant Generics Limited, Not applicable, Not applicable, Canada Canada. Losartan Potassium. The pharmacokinetics of the angiotensin II receptor antagonist losartan potassium and its active car- boxylic acid metabolite EXP were characterized in 18 healthy male subjects after administration of intravenous losartan, intravenous. EXP, and oral losartan. In these subjects, the average plasma clearance of. Losartan, sold under the trade name Cozaar among others, is a medication mainly used to treat high blood pressure. Other uses include for diabetic kidney disease, heart failure, and left ventricular enlargement. It is taken by mouth. It may be used together with other blood pressure medication. Up to six weeks may be Trade names?: ?Cozaar, others. COZAAR (Losartan Potassium Tablets). Table 1 Pharmacokinetic Parameters in Hypertensive Adults and Children Age Following Multiple Dosing. Adults given 50 mg once daily for 7 days. N= Age given mg/kg once daily for 7 days. N= Parent. Active Metabolite. Parent. Active Metabolite. EXECUTIVE SUMMARY. This NDA review evaluates whether the sponsor has adequately characterized the pharmacokinetics of COZAARTM (losartan potassium) in the pediatric patients, whether the pharmacokinetics of losartan in children and in adults is similar, and therefore, whether the sponsor made proper changes. Aug 19, - For additional information on initial therapeutic guidelines related to the treatment of hypertension, see Appendix III. Pharmacology/Pharmacokinetics Physicochemical characteristics: Molecular weight Losartan potassium: Mechanism of action/Effect: Losartan is a nonpeptide angiotensin II. Mar 1, - Abstract. The pharmacokinetics and plasma concentration-effect relationship for the nonpeptide angiotensin II (Ang II) receptor antagonist losartan potassium (losartan) have been determined with conscious and anesthetized dogs. The p.o. bioavailability of single doses of 5 to 20 mg/kg was low, 23 to 33%. Therapeutics. The Pharmacokinetics and Pharmacodynamics of the. Angiotensin II Receptor Antagonist Losartan Potassium. (DuP /MK.) in the Dog. DAVID D. CHRIST, PANCRAS C. WONG, V. NANCY WONG, SCOTT D. HART, CHECK Y. QUON and. GILBERT. N. LAM. The Drug Metabolism and Pharmacoklnetlcs. Dec 20, - ment of hypertension. Atacand, Astra AB (candesartan cilexetil)Kenzen. Avapro, Sano?/Bristol-Myers Squibb (irbesartan)Aprovel. Cozaar, DuPont-Merck (losartan potassium salt) Tenserpil.. Cormac. Diovan, Novartis/Ciba-Geigy (valsartan)Nisis.Tareg. Micardis, Boehringer Ingelheim Pharmaceuticals, Inc. incidence of hyperkalaemia was higher in the group treated with losartan potassium as compared to the placebo group; however, few patients discontinued therapy due to hyperkalaemia (see Undesirable effects, Laboratory Test Findings). Liver Function Impairment. Based on pharmacokinetic data which demonstrate.