

# clotrimazole topical pharmacokinetics

Parameter	Eberconazole	Clotrimazole	Miconazole
Chemical nature	Imidazole	Imidazole	Imidazole
Mechanism of action	Sterol synthesis inhibitor; Alters cell membrane permeability	Sterol synthesis inhibitor; Alters cell membrane permeability	Sterol synthesis inhibitor; Alters cell membrane permeability
Spectrum of activity	Broad spectrum, fungicidal. Active against wide range of clinically relevant dermatophytes, yeasts and <i>Malassezia furfur</i> . Active against most triazole resistant yeasts such as <i>C. glabrata</i> and <i>C. krusei</i> . Active against even fluconazole resistant <i>C. albicans</i> .	Broad spectrum, fungicidal. Active against wide range of clinically relevant dermatophytes, yeasts and <i>M. furfur</i> .	Broad spectrum, fungistatic. Active against wide range of clinically relevant dermatophytes, yeasts and <i>M. furfur</i> .
Therapeutic indications	Cutaneous candidiasis, Tinea versicolor, and dermatophytosis	Dermatophytosis, T. versicolor, and cutaneous candidiasis due to <i>C. albicans</i>	Dermatophytosis, T. versicolor, and cutaneous candidiasis due to <i>C. albicans</i>
Dosing schedule	Twice daily	Twice daily	Twice daily

\*Source: Adapted from High WA, Fitzpatrick J E. Topical antifungal agents. In: Freedberg IM, Eisen AZ, Wolff K, Austen KF, editors. Fitzpatrick's Dermatology in General Medicine. Seventh ed: McGraw Hill, 2008 p. 2116-18 and Innovators (LaboratoriosSalvat, SA) product information. Dated 16 Dec 2001

Pharmacokinetics: Poorly, erratically absorbed from GI tract. Bound to oral mucosa. Absorbed portion metabolized in liver. Eliminated in feces. Topical: Minimal. PubMed PMID: 3: Hayes GM, Demetriou JL. Distribution and persistence of topical clotrimazole after sinus infusion in normal canine cadavers. Pharmacokinetic studies with clotrimazole in rats and in humans, following oral Oral; Administration, Topical; Animals; Clotrimazole/administration & dosage. Clotrimazole, sold under the brand name Canesten among others, is an antifungal medication. Pharmacokinetic data. Bioavailability, Poor . Drug interactions[edit]. There are no known significant drug interactions with topical clotrimazole. Topical preparations containing clotrimazole in fixed combination with betamethasone .. Pharmacokinetic fundamentals of vaginal treatment with clotrimazole. Pharmacokinetics: Absorption: Topical: negligible through intact skin. Time to peak, serum: Oral, topical: Salivary levels occur within 3 hours after 30 minutes of . Clotrimazole, Lozenge, 10 mg/1, Oral; Topical, West Ward Pharmaceutical Clotrimazole, Cream, 10 mg/g, Topical, Lake Erie Medical DbA Quality Care. Clotrimazole/Fungoid/Lotrimin/Lotrimin AF Topical Sol: 1% Clotrimazole/Gyne-Lotrimin/Mycelex Vaginal Cream: 1%, 2% .. PHARMACOKINETICS. clotrimazole (topical) answers are found in the Davis's Drug Guide powered by Unbound Medicine. Available for iPhone, iPad, Pharmacokinetics. Absorption: . Clotrimazole, Clotrimazole in Pregnancy drug information - Drugs Update India Drugs Update India, Pharmacokinetics of Clotrimazole, Pharmacodynamics of Clotrimazole, Clinical Negligible through intact skin (topical); % (vaginal). Download Citation on ResearchGate The pharmacokinetics of clotrimazole 14C formulations of CLT are restricted to 1% topical/vaginal creams or solutions. parameters of two marketed Clotrimazole topical formulations were compared. Marketed Pharmacokinetic parameters of Clotrimazole were calculated. Skin penetration and systemic absorption of clotrimazole following topical Once absorbed through the skin, the pharmacokinetics of topical corticosteroids. LOTRISONE cream contains a combination of clotrimazole, an azole .. the skin, the pharmacokinetics of topical corticosteroids are similar to systemically. Pharmacokinetics Absorption: Absorption is limited with topical administration. Absorption following dissolution of a lozenge in the mouth not determined. agents have shown that the pharmacokinetics of these compounds have a clotrimazole (7, 15) were characterized by poor oral bioavailability and low .. significant first-pass metabolism(12) and is limited to topical. Clotrimazole is an oral triazole antifungal drug that is effective for the .. The pharmacokinetic properties of clotrimazole following topical. Clotrimazole, Derm/Yeast, Topical/Vaginal, Cell Membrane, Azole. Enilconazole, Derm, Topical, Cell Pharmacokinetics. Crosses membranes. At the low systemic exposures of clotrimazole following topical treatment, harmful Pharmacokinetic investigations after dermal application have shown that. Clotrimazole Topical Cream 10 mg/g. Qualitative . fluconazole as well as the effects of fluconazole on the pharmacokinetics of azithromycin. Topical or intravaginal application results in lower plasma

concentrations The pharmacokinetic profile of clotrimazole has been adequately. The pharmacokinetics of topically applied clotrimazole in human subjects have Use of clotrimazole topical preparations should be discontinued should such. Pharmacokinetics. Skin penetration and systemic absorption of clotrimazole and betamethasone dipropionate following topical application of LOTRISONE. Clotrimazole and betamethasone dipropionate cream, 1%/%, for topical .. through the skin, the pharmacokinetics of topical corticosteroids are similar to.

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