Calcipotriene Topical Solution, 0.005% (Scalp Solution)

Rx only
FOR TOPICAL DERMATOLOGIC USE ONLY.
Not for Ophthalmic, Oral or Intravaginal Use.

DESCRIPTION

Calcipotriene Topical Solution, 0.005% (Scalp Solution) is a colorless topical solution containing 0.005% Calcipotriene in a wehicle of isopropanol (51% v/v), propylene glycol, hydroxypropyl cellulose, sodium citrate, method and water.

Chemically, calcipotriene monhydrate is (5Z,7E,2ZE,24S)-24-cyclopropyl-9,10-secochola-5,7,10(19),22-tetraen-1a,38,24-triol monhydrate, with the empirical formula C₂₇H₄₀O₃,H₂O a molecular weight of 430.6, and the following structural formula:



CLINICAL PHARMACOLOGY

In humans, the natural supply of vitamin D depends mainly on exposure to the ultraviolet rays of the surfor conversion of 7-dehydrocholesterol to vitamin D₃ (cholecalciferol) in the skin. Calcipotriene is a synthetic analog of vitamin D₃.

synthetic analog of vitamin Ds.
Although the precise mechanism of calcipontiene's antipsoriatic action is not fully understood, in vitro evidence suggests that calcipontiene is roughly equipotent to the natural vitamin in its effects on proliferation and differentiation of a variety of cell types. Calcipontiene has also been shown, in animal studies, to be 100-200 times less potent in its effects on calcium utilization than the natural hormone.

sauces, one ro-coordinate responsation review for activation indicate that less than 1% of the applied doss of calciportieres bollution indicate that less than 1% of the applied doss of calciportiere is absorbed through the scalp when the solution (2.0 mL) is applied topically no norms sixtin or poortasis plaques (160 cm²) for 12 hours, and that much of the absorbed calciportiere is converted to inactive metabolities within 24 hours of application.

Vitania D and its metabolites are transported in the blood, bound to specific plasma proteins. The active form of the vitania, 1,25-dihydroxy vitania D₃ (calcitrioid), is loow no be recycled via the liver and excreted in the bile. Calcipotriere metabolism following systemic upake is rapid, and occurs via a similar pathway to the natural hormone. The primary metabolites are much less potent than the parent compound.

There is evidence that maternal 1,25-dihydroxy vitamin D_3 (calcitrio1) may enter the fetal circulation but it is not known whether it is excreted in human milk. The systemic disposition of calcipotriene is exercted to be similar to that of the naturally occurring vitamin.

CLINICAL STODIES

Adequate and well-controlled trials of patients treated with Calcipotriene Topical Solution, 0.0059
(Scalp Solution), have demonstrated improvement usually beginning after 2 weeks of therapy. This improvement continued with approximately 31% of patients appearing either cleared (14%) or almo cleared (17%) after 8 weeks of therapy.

INDICATIONS AND USAGE

Calcipotriene Topical Solution, 0.005% (Scalp Solution) is indicated for the topical treatment of chronic, moderately severe psoriasis of the scalp. The safety and effectiveness of topical calcipotrient in dermatoses other than psoriasis have not been established.

CONTRAINDICATIONS

CONTRAINDICATIONS

Calcipotriene Topical Solution, 0.005% (Scalp Solution) is contraindicated in those patients with acute psoriatic eruptions or a history of hypersensitivity to any of the components of the preparation. It should not be used by patients with demonstrated hypercalcemia or evidence of vitamin D toxicity.

Avoid contact with the eyes or mucous membranes. Discontinue use if a sensitivity reaction occurs or if excessive irritation develops on uninvolved skin areas.

Drug product is flammable. Keep away from open flame.

PRECAUTIONS

General

Use of Calcipotriene Topical Solution, 0.005% (Scalp Solution) may cause transient irritation of both lesions and surrounding uninvolved skin. If irritation develops, Calcipotriene Topical Solution, 0.005% (Scalp Solution) should be discontinued.

(Scarp sountion) stout the discomment. For external use only. Keep out of the reach of children. Always wash hands thoroughly after use. Reversible elevation of serum calcium has occurred with use of topical calcipotriene. If elevation in serum calcium outside the normal range should occur, discontinue treatment until normal calcium levels are restored.

Information for Patients

Patients using Calcipotriene Topical Solution, 0.005% (Scalp Solution) should receive the following information and instructions:

- information and instructions:

 This medication is to be used only as directed by the physician. It is for external use only. Avoid contact with the face or eyes. As with any topical medication, patients should wash their hands after

- COBs. was not see to system some properties.

 3. The smell cannot should not be used for any disorder other than that for which it was prescribed.

 3. The smell cannot should report up their physician any signs of adverse reactions.

 4. Patients should report up their physician any signs of adverse reactions.

 5. Patients that apply Calciforation to exposed portions of the body abound avoid excessive exposure to either named or artificial sunlight (including namely booths, san lamps, etc.).

Carcinogenesis, Mutagenesis, Impairment of Fertility

Studies in rats at doses up to 54 μ g/kg/day (324 μ g/m²/day) of calcipotriene indicated no impairment of fertility or general reproductive performance.

fertility or general reproductive persormance.

Pregnancy

Transagenic Effects: Pregnancy Category C

Studies of teranogenicity were done by the oral route where bioavailability is expected to be approximately 40-60% of the admiristered dose. Increased rabbit numerual and feat loxicity was noted at 12 gpg day (122 gpg)r²(44y). Rabbits admiristered 35 gpg dayd to (256 gpg)r² day) resulted in fenness ossification in a rat study, oral doses of 54 gpg/dayd (138 gpm)r²/day) resulted in fenness ossification in a rat study, oral doses of 54 gpg/dayd (138 gpm)r²/day) resulted in a significantly higher incidence of skeletal abnormalities consisting primarily of enlarged fonancelles and extra ribs. The miternal and fetal calculated no-effect exposures in the rat (43.2 gpm)r²/day) and rabbit (17.5 gpm)r²/day) studies are greater than the expected human systemic exposure level (1.35 gpm)r²/day) from demandals are greater than the expected human systemic exposure level (1.35 gpm)r²/day) from demandals are greater than the expected human systemic exposure level (1.35 gpm)r²/day) from demandals are greater than the expected human systemic exposure level (1.35 gpm)r²/day) from demandals are greater than the expected human systemic exposure level (1.35 gpm)r²/day) from demandals are greater than the expected human systemic exposure level (1.35 gpm)r²/day) from demandals are greater than the expected human systemic exposure level (1.35 gpm)r²/day) gpm day) from demandals are greater than the expected human systemic exposure level (1.35 gpm)r²/day) and rabbit (1.75 gpm)r²/da

There is evidence that maternal 1,25-dihydroxy vitamin D₃ (calcitriol) may enter the fetal circu but it is not known whether it it is excreted in human milk. The systemic disposition of calciporite expected to be similar to that of the maturally occurring vitamin. Because many drugs are excretabaman milk, caution should be exercised when Calciportiene Topical Solution, 0.005% (Scalp Solution), is admistrated to a musting woman.

Safety and effectiveness of Calciporriene Topical Solution, 0.005% (Scalp Solution) in pediatric patients have not been specifically established. Because of a higher ratio of skin surface area to body mass, pediatric patients are at greater risk than adults of systemic adverse effects when they are reased with hopical medically.

Geriatric Use

Of the total number of patients in clinical studies of calcipotriene solution, approximately 16% were 65 or older, while approximately 4% were 75 and over. The results of an analysis of severity of skin-related adverse enters showed on difference for subjects over 65 years compared to those under 65 years, but greater sensitivity of some older individuals cannot be ruled out.

In controlled clinical trials, the most frequent adverse reactions reported to be related to Caliporati-Tropical Solution (0.05%) (scalls polition), the evere training, stringing and tringing, which occurred in approximately 27% of patients. Rash was reported in about 13% of patients. Dry skin, irritation and worsening of portains were reported in 1-5% of patients. Rash was highly the preparation of the patients of the patien

OVERDOSAGE

TOPICATIONNE

Topically applied calciportiene can be absorbed in sufficient amounts to produce systemic effects.

Elevated seruncalcium has been observed with excessive use of topical calciportiene. If elevation in seruncalcium should occur, discontinue resament until normal calcium levels are restored. (See PRECAUTIONS)

Comb the hair to remove scaly debris and after suitably parting, apply Calciportiene Topical Solution,
0.005% (Scalp Solution), twice daily, only to the lesions, and rub in gently and compleively, using care
to prevent the solution spreading onto the foorbead. The self-yau off-lificacy of Calciportiers Topical
Solution, 0.005% (Scalp Solution), have been demonstrated in patients treated for eight weeks.
Keep Calciportier Topical Solution, 0.005% (Scalp Solution) vel always from the eyes. Avoid
application of the solution to uninvolved scalp margins, Always wash hands thoroughly after use.

HOW SUPPLIED

Calciporteme Topical Solution, 0.005% (Scalp Solution) is available in 60 mL plastic bottles NDC 40032-043-60

Store at controlled room temperature 15°C - 25°C (59°F - 77°F). Avoid sunlight. Do not freeze. Manufactured by:

Novel Laboratories, Inc.

Somerset, NJ 08873

To report SUSPECTED ADVERSE REACTIONS, contact FDA at 1-800-FDA-1088 or www.fda.gov/medwatch. P10436000101

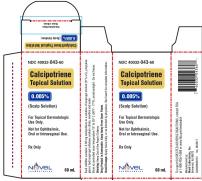
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PACKAGE LABEL.PRINCIPAL DISPLAY PANEL

Container Label



Carton Label





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