BIACTO

Company: Actoverco

Generic Name: Biotin (Vitamin B7, Vitamin H) Dosage Form: Injectable Solution 5mg/mL (1 mL) Therapeutic Category: Nutritional Supplement; B Vitamin

Therapeutic Indications: Biotinidase Deficiency, Brittle Nails, Carboxylase Deficiency, Holocarboxylase Deficiency In Pregnancy, Parenteral Alimentation-Induced Deficiency, Vaginal Candidiasis, Alopecia Areata, Basal-Ganglia Disease, Biotin-Responsivec) Beta-Methylcrotonyl-Glycinuria, Solution: 10 Milligrams Daily, Biotinidase Deficiency Parenteral Alimentation-Induced Deficiency, Partial Biotinidase Deficiency, Protein-Energy Malnutrition, Pyruvate-Carboxylase Deficiency, Uncombable Hair Syndrome

Contraindications: Hypersensitivity to biotin

Warning/Precautions:

Biotin in blood or other samples taken from patients who are ingesting high levels of biotin from dietary supplements (including multivitamins; prenatal multivitamins; biotin supplements; and dietary supplements for hair, skin, and nail growth) can cause clinically significant incorrect lab test results. Some testing methods use biotin technology (eg, Troponin, hormone tests), using biotin to bind to specific proteins that are measured to detect health conditions. An increase in the number of reported adverse events, including one death, related to biotin interference with lab tests has been reported. If a lab test result does not correspond with a patient's clinical symptoms, biotin interference should be considered as a possible source of error

Adverse Effects:

Gastrointestinal upset. Concurrent administration of anticonvulsant medications may impair biotin absorption

Drug/Food Interaction: No human interaction data available. Pregnancy: Not Studied Lactation: Not Studied Pharmacokinetics: Bioavailability: Oral, Solution: 100% Metabolism: Hepatic Excretion: Primarily in Urine

ВЕРАСТО

Company: Actoverco

Generic Name: Dexpanthenol Dosage Form: Injectable solution 250 mg/mL (2mL)

Therapeutic Ladications: Partothenic Acid Deficiency (EDA La

Therapeutic Indications: Pantothenic Acid Deficiency (FDA Labeled), Off-label: Acne Vulgaris, Hair loss, Hyper lipedema, Osteoarthritis, Rheumatoid Arthritis, Weight Loss, Wound Healing.

Contraindications: Hypersensitivity to pantothenic acid. **Warnings/Precautions:** No results available.

Adverse Effects: Diarrhea may occur with large doses of pantothenic acid. Respiratory embarrassment was noted in 1 case of administration of pantothenic acid during recovery from anesthesia. One case of eczema has been reported

Drug/Food Interactions: not available

Pregnancy/Lactation: U.S. food and drug administration (FDA) pregnancy category A. If used in doses above the RDA it is classified as risk factor C.

Pharmacokinetics: Bioavailability: Oral: Readily absorbed

Excretion: Renal: 70%

References: Biotine

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References: Dexpantheno

1. Yang M, Moclair B, Hatcher V, Kaminetsky J, Mekas M, Chapas A, et al. A Randomized, Double-Blind, Placebo-Controlled Study of a Novel Pantothenic Acid-Based Dietary Supplement in Subjects with Mild to Moderate Facial Acne. Dermatology and Therapy. 2014;4(1):93-101. 2. Leung LH. Pantothenic acid deficiency as the pathogenesis of acne vulgaris. Medical Hypotheses. 1995;44(6):490-2. 3. Weimann, Hermann. Studies on Wound Healing: Effects of Calcium D-Pantothenate on the Migration, Proliferation and Protein Synthesis of Human Dermal Fibroblasts in Culture. International Journal for Vitamin and Nutrition Research. 1999;69(2):113-9. 4. Pollack SV. Wound Healing: A Review: III. Nutritional Factors Affecting Wound Healing. The Journal of Dermatologic Surgery and Oncology. 1979;5(8):615-9. 5. Vaxman F, Olender S, Lambert A, Nisand G, Aprahamian M, Bruch JF, et al. Effect of Pantothenic Acid and Ascorbic Acid Supplementation on Human Skin Wound Healing Process. European Surgical Research. 1995;27(3):158-66.



Together for a healthy future

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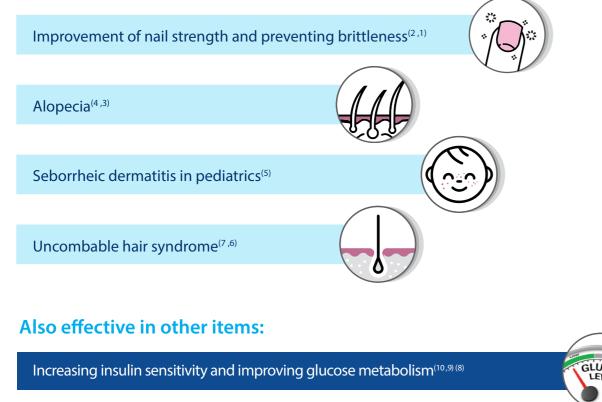
BIACTO BEPACTO





AS A SUPPLEMENT, BIOTIN HAS BEEN SHOWN TO BE EFFECTIVE IN FOLLOWING ITEMS:

Hair, Skin and Nails:



Treatment of biotin deficiency in patients taking antibiotics in long-term⁽¹¹⁾

Reducing free radical synthesis⁽¹²⁾

Normal cell

Free radicals attacking cell

Cell with oxidative stress

BEPACTC **Dexpanthenol** Solution for IM injection 250mg/mL

Dexpanthenol is an alcoholic analogue of D-pantothenic acid.

PANTOTHENIC ACID AS A SUPPLEMENT HAS BEEN **PROVED EFFECTIVE IN THE FOLLOWING CONDITIONS:**

Hair, Skin and Nails:

Controlling acne vulgaris and reducing the inflammation^(2,1)

Accelerate wound healing⁽⁵⁻³⁾

ACTOVERCO AMPOULE LINE

Equipped with the most advanced machines in the world, Actoverco launched its production line of injectable products in 1397 with technology transfer from a well-known German company, Merck. This line with an annual production capacity of 50 million ampoules and GMP standards, produces a variety of injectable products such as Biacto, Bepacto, and Neurobion.







