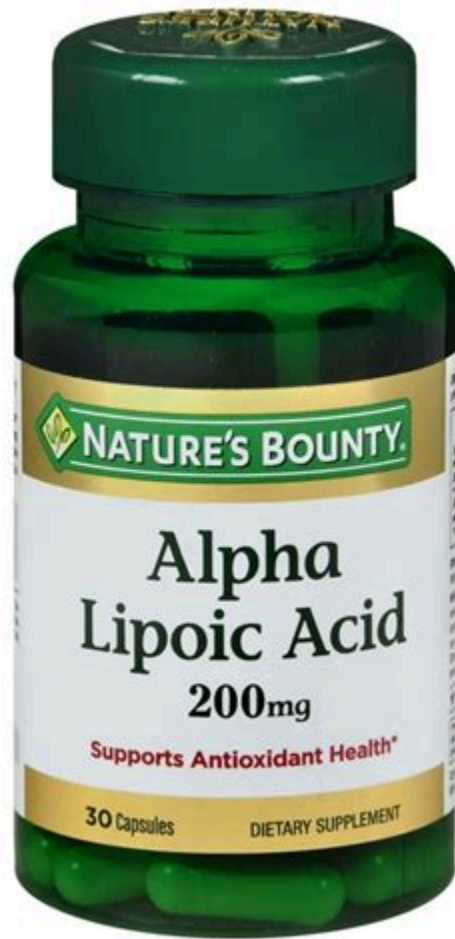


Tweet Research suggests alpha lipoic acid's anti-inflammatory properties may help slow thinning hair. In common male and female pattern balding, chronic inflammation of hair follicles contributes to hair loss. Another factor is the conversion of testosterone to DHT, a compound that can damage hair follicles.



??? VISIT OUR STORE ???

Alpha-lipoic acid for Dietary Supplementation User Reviews



schizophrenia Despite ALA's potential benefits, it has poor bioavailability, meaning our bodies have trouble absorbing it. Modern formulas have improved ALA's stability and increased the amount.

Evaluating protective and therapeutic effects of alpha-lipoic acid on .

Kim et al. *Cell Death and Disease* (2018)9:827
DOI 10.1038/s41419-018-0888-z

Cell Death & Disease

ARTICLE

Open Access

Evaluating protective and therapeutic effects of alpha-lipoic acid on cisplatin-induced ototoxicity

Kyung-Hee Kim^{1,2}, Byeonghyeon Lee^{1,2}, Ye-Ri Kim^{1,2}, Min-A Kim^{1,2}, Nari Ryu^{1,2}, Da Jung Jung³, Un-Kyung Kim^{1,2}, Jeong-In Baek⁴ and Kyu-Yup Lee³

Abstract

Cisplatin, a small platinum-containing molecule, is a widely used, highly effective anticancer drug. However, severe side effects have been found in cancer patients treated with cisplatin, including nephrotoxicity, neurotoxicity, and ototoxicity. These cisplatin-induced side effects can have a major impact on patient quality of life, including social development problems in pediatric patients that develop hearing loss. Previous studies have suggested that the major cause of cisplatin-induced ototoxicity is abnormal accumulation of reactive oxygen species (ROS) and oxidative stress. Alpha-lipoic acid (ALA), one of the most effective antioxidants, is known to be involved in the cellular antioxidant system and may have a protective effect on cisplatin-induced ototoxicity. However, the therapeutic effect of ALA on damaged hearing function and its detailed mechanism of action are not fully understood. This study focused on determining whether ALA has a potential as a protective and/or therapeutic agent for cisplatin-induced ototoxicity. Histological and physiological analyses were performed using cisplatin-treated mouse cochlea and HEI-OC1 culture cells in pre- and post-treatment with ALA in vitro and in vivo. We found that ALA contributes to protecting mitochondrial function by preventing ROS accumulation and inhibiting apoptotic cell death. Importantly, post-treatment with ALA consistently showed an almost equal restorative effect to pretreatment, in vitro and in vivo, supporting the possible use of ALA as a therapeutic agent for cisplatin-induced ototoxicity. This study is the first report on a strong therapeutic potential of ALA to rescue ototoxic hearing loss caused by cisplatin, and our data provide key evidence that ALA may act as a reducing agent for glutathione disulfide to increase glutathione levels on behalf of glutathione reductase. This result was consistent in both cultured cells and the mouse model, which improves the clinical value of ALA for therapy of cisplatin-induced ototoxicity.

Introduction

Since the discovery of its anticancer properties in the 1960s, cisplatin (*cis*-diamminedichloroplatinum II) has been widely used as an effective chemotherapeutic drug

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These authors contributed equally: Kyung-Hee Kim, Byeonghyeon Lee, Ye-Ri Kim

Edited by B. Zhivotovskiy

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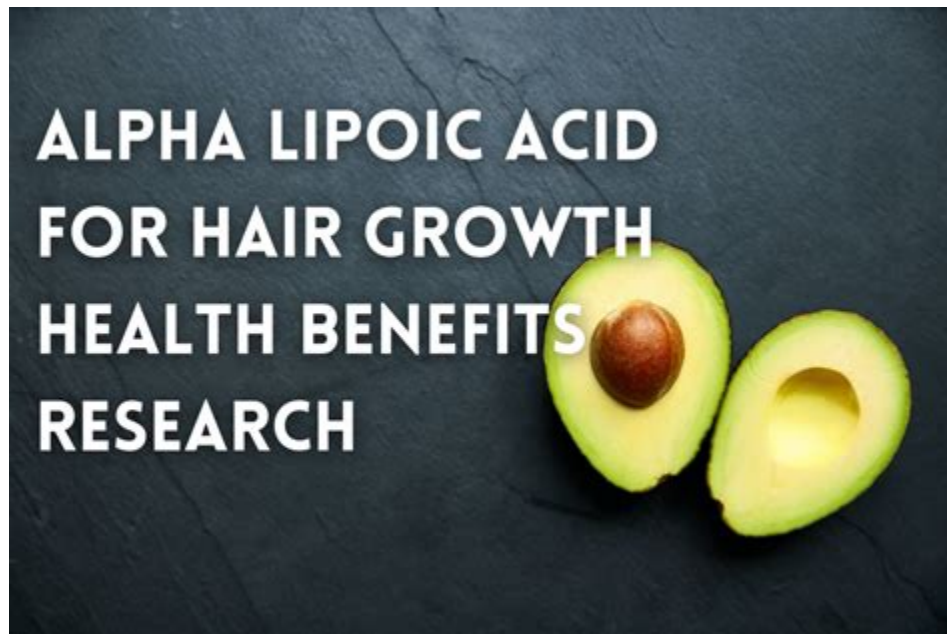
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Official journal of the Cell Death Differentiation Association

SPRINGER NATURE
CDDpress

3 min read Alpha-lipoic acid or ALA is a naturally occurring compound that's made in the body. It serves vital functions at the cellular level, such as energy production. As long as you're.

The Truth About Alpha Lipoic Acid and Hair Loss: What Science Says



Alpha-lipoic acid (ALA), also known as thioctic acid or 1,2-dithiolane-3-pentanoic acid ($C_8H_{14}O_2S_2$), is an essential cofactor in mitochondrial dehydrogenase reactions, soluble in water and .

How Alpha-Lipoic Acid (ALA) May Benefit Skin Care - Healthline



Alpha Lipoic Acid Skin Benefits

- Improve texture and tone
- Reduce appearance of pores
- Exfoliate

A body needs protein and Biotin with or without R-ALA stabilized according to my Nutritionist and Internist. I can't blame my hair loss on Alpha Lipoic Acid as some hair loss was normal for me prior to starting it. I've had issues with my nails breaking, I added a high dose of sublingual Biotin and my nails and hair started growing like crazy.

Alpha-lipoic acid Uses, Side Effects & Warnings - Drugs

All About LIPOIC ACID

What Is Lipoic Acid?

- Known as an organosulfur compound.
- An extremely important cofactor for many enzyme complexes.
- Assists in the anti-inflammatory response.
- Plays a major role in the energy pathways.
- Both fat and water soluble.

What Are Lipoic Acid Benefits?

- Helps Weight Loss
- Limits Brain Cell Degeneration
- Maintains Heart Health
- Benefits NEM Stress Response

What Are Foods that Contain Lipoic Acid?

- Liver
- Kidneys
- Heart
- Broccoli
- Spinach
- Sprouts
- Peas
- Tomatoes

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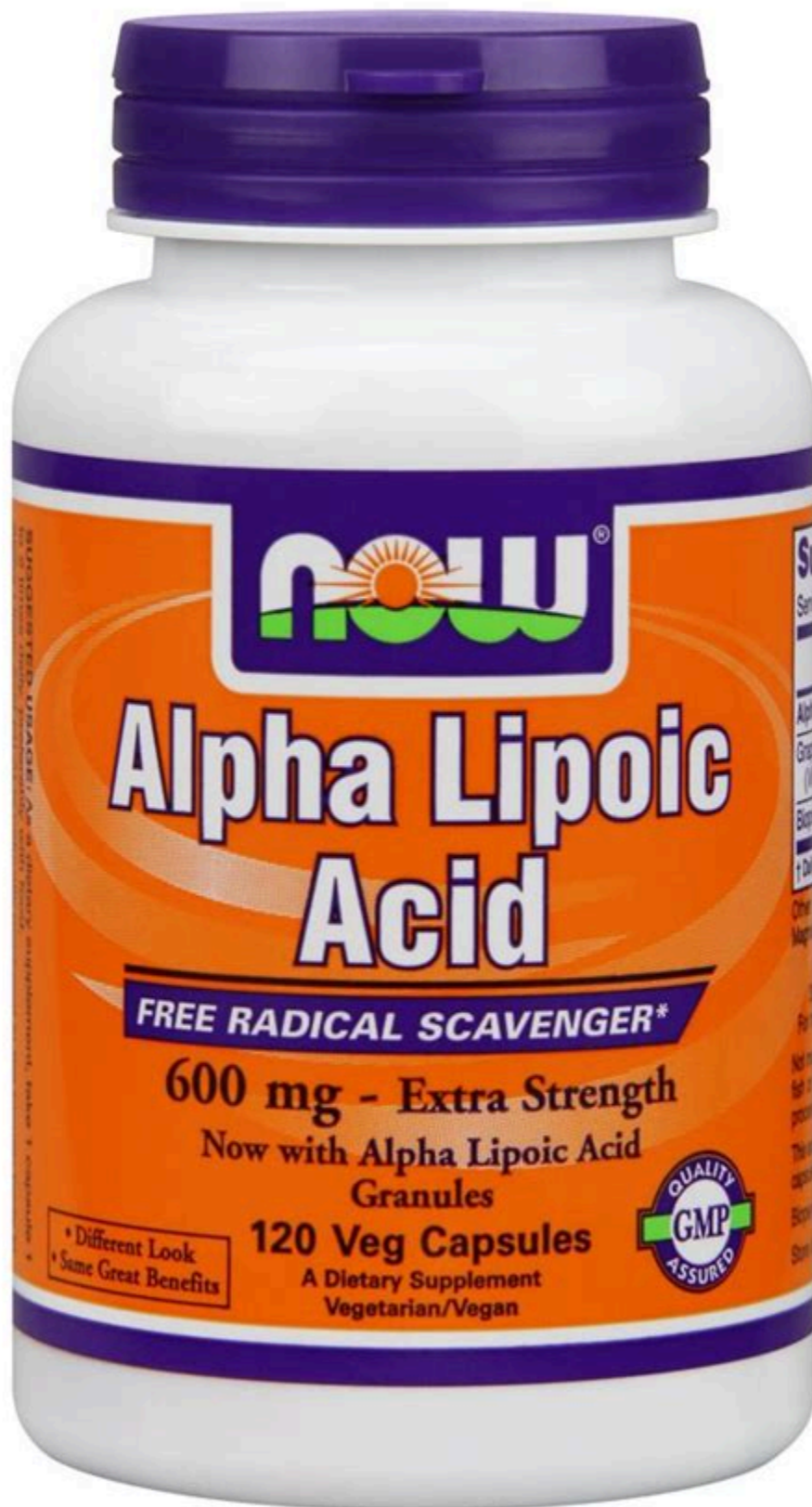
Very safe,helps some: One study found that 1800 mg of Alpha lipoic acid a day combined with a reduced-calorie diet resulted in more weight loss than diet alone- see . Read More Created for people with ongoing healthcare needs but benefits everyone. Learn how we can help 4. 1k views Reviewed >2 years ago

Alpha-Lipoic Acid - StatPearls - NCBI Bookshelf



Alpha Lipoic Acid for Hair: Benefits and Usage - HK Vitals To enhance the health of your hair, you can trust the benefits of alpha lipoic acid. Here's everything you need to know on how ALA can be useful for your hair.

Alpha-Lipoic Acid (ALA) as a supplementation for weight loss: Results .



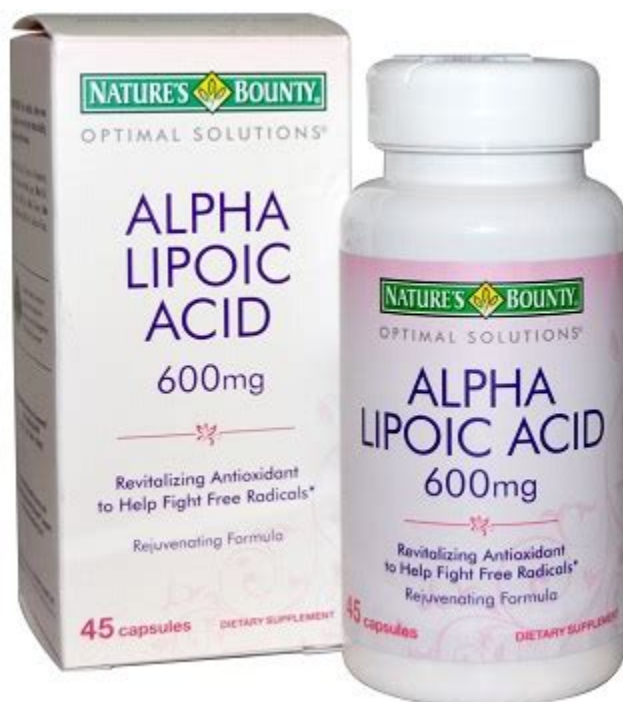
No evidence suggests alpha-lipoic acid (ALA) powder causes hair loss. ALA is an antioxidant, and its potential benefits for overall health and cellular function might benefit hair health. However, it is essential to note that individual reactions to any supplement may vary. Some people might experience side effects or allergic reactions to ALA .

Could Alpha Lipoic Acid Help Stop Hair Loss?



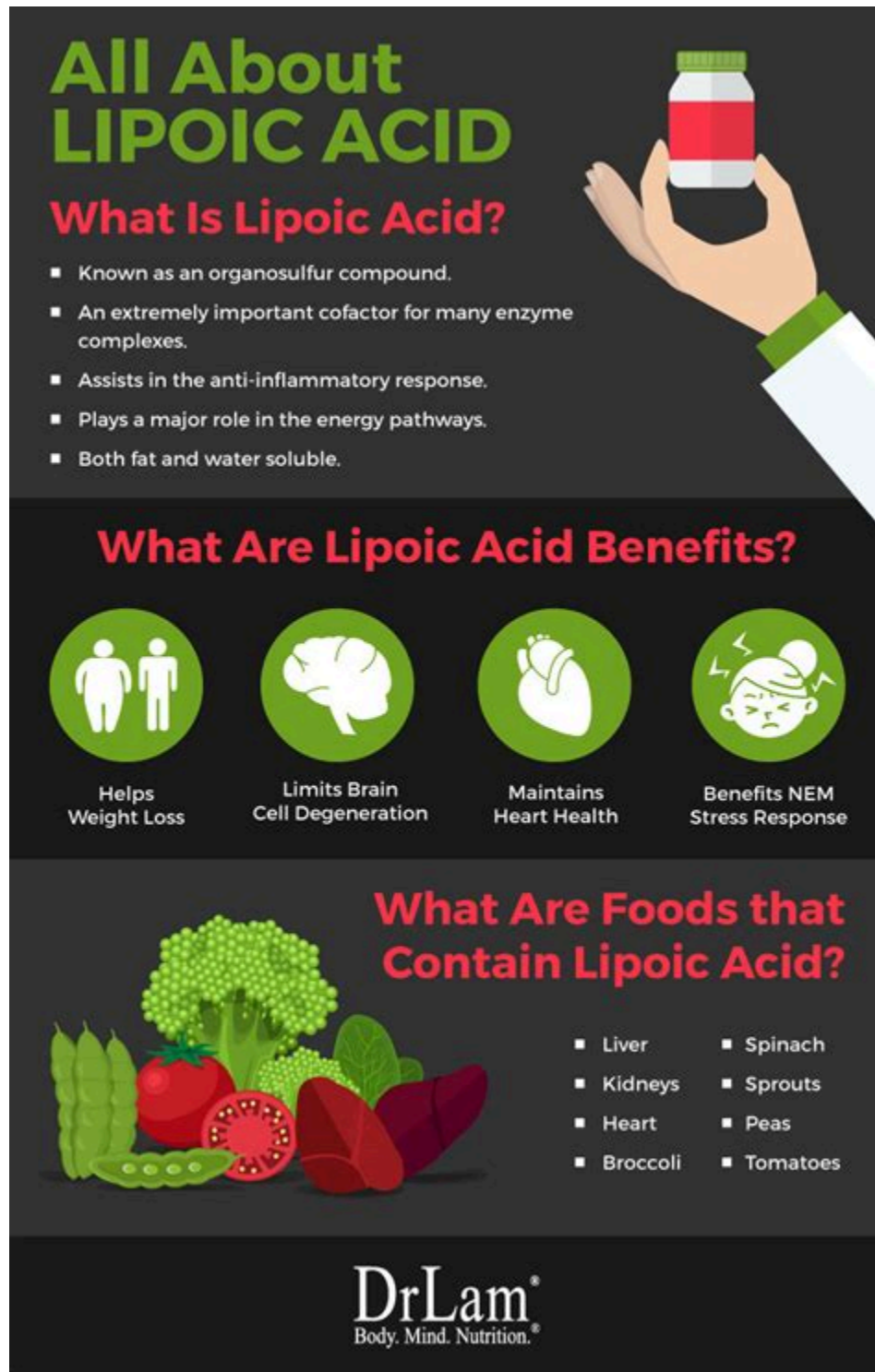
Alpha-lipoic acid is a medication used to manage and treat chronic diseases associated with oxidative stress, such as diabetic neuropathy, and slow down the onset of metabolic syndrome by acting as an antioxidant.

Alpha lipoic acid hair loss | HealthTap Online Doctor



A body needs protein and Biotin with or without R-ALA stabilized according to my Nutritionist and Internist. I can't blame my hair loss on Alpha Lipoic Acid as some hair loss was normal for me prior to starting it. I've had issues with my nails breaking, I added a high dose of sublingual Biotin and my nails and hair started growing like crazy.

Alpha-lipoic acid: Benefits and side effects - Medical News Today







The infographic is set against a dark grey background. At the top right, a hand in a white lab coat with a green cuff holds a small white jar with a red label and a green lid. The text is in various colors: green for the main title, red for sub-headers, and white for the body text and icons.

All About LIPOIC ACID


What Is Lipoic Acid?

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- Assists in the anti-inflammatory response.
- Plays a major role in the energy pathways.
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What Are Lipoic Acid Benefits?

			
Helps Weight Loss	Limits Brain Cell Degeneration	Maintains Heart Health	Benefits NEM Stress Response

What Are Foods that Contain Lipoic Acid?

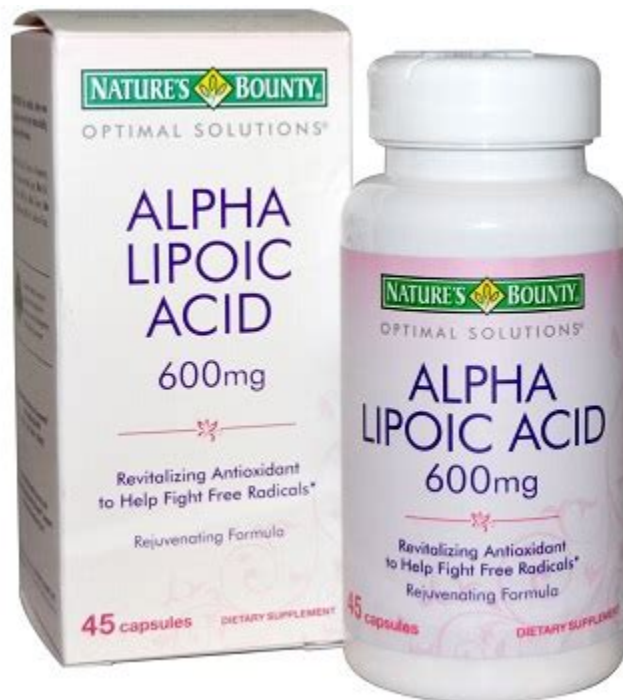


■ Liver	■ Spinach
■ Kidneys	■ Sprouts
■ Heart	■ Peas
■ Broccoli	■ Tomatoes

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Regarding hair loss, Alpha-Lipoic Acid can help prevent the further receding of the hairline by acting as an antioxidant and blocking enzymes that threaten our hair's roots in general.

****hair loss from alpha lipoic acid PERMANENT? - AnabolicMinds**



Does Alpha Lipoic Acid Cause Hair Loss By Peter W October 16, 2021 0 449 Brief Review Of The Zempleni Et Al Study Design Does Alpha-Lipoic Acid Help With Hair Regrowth? Day 43 Journey To Hair Regrowth For the complete Zempleni et al experimental design, results and conclusions please view here.

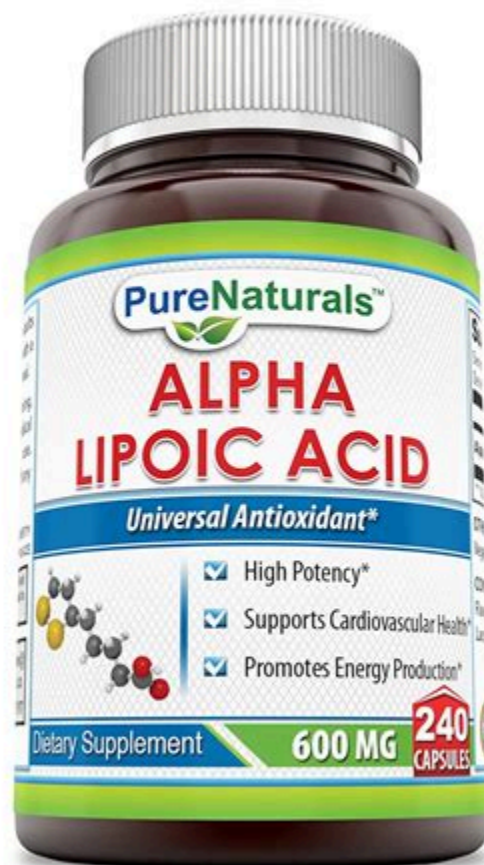
Does Alpha Lipoic Acid Cause Hair Loss - HairLossProTalk



Alpha-lipoic acid is an organic compound that acts as a powerful antioxidant in your body. This article

reviews alpha-lipoic acid, its benefits, side effects, and recommended dosage.

Alpha-lipoic acid Reviews & Ratings - Drugs



Awards. 2. Nov 28, 2009. #4. I can only speculate. but if the r-ala is the cause of your hair loss, it is not related to an increase in DHT. (Could be due to heavy metal buildup/immobilization, etc.) Therefore, ceasing the product should cause the follicles to grow hair again. Either way, I'd suggest using the otc Nizoral 1% shampoo.

Alpha Lipoic Acid for Hair: Benefits and Usage - HK Vitals



Side Effects Dosage Overdose Alpha-lipoic acid (ALA) is a naturally-occurring fatty acid. Your body makes its own ALA, but it is also available in certain foods and as a supplement. ALA supplements may provide health benefits, such as aiding in weight loss and managing blood sugar, but more research needs to be done to support its use.

Alpha Lipoic Acid for Hair Growth & Hair Health: Benefits & Research



Alpha lipoic acid (ALA), also known as thioctic acid, is a naturally occurring short chain fatty acid which contains a thiol bond . It is an essential cofactor for energy production in the mitochondria . ALA is also a powerful antioxidant and a free radical scavenger (6, 8, 9). ALA is marketed in the US as an over-the-counter nutritional .

Alpha Lipoic Acid Side Effects: Hair Loss Explained



In this study, we investigated the protective effect of alpha-lipoic acid (ALA) on hearing loss in diabetic transgenic zebrafish and confirmed that ALA protects the loss of hair cells (HCs) caused by hyperglycemia. The data indicated that ALA has a protective effect on the damage to HCs in diabetic zebrafish.

Alpha Lipoic Acid (ALA) Supplement Benefit, Side Effects - WebMD

Alpha Lipoic Acid Plus Acetyl L-carnitine HCL
Free Radicals & Dietary Antioxidant

Brain & Memory Diabetes Neuropathy Cardiovascular

100% NATURAL
INGREDIENTS

Health Benefits Of ALA ALC Supplement
Pharmaceutical grade quality and purity

Acetyl-L-carnitine is a dietary supplement have been linked to several benefits, including lower blood sugar levels, reduced inflammation, slowed skin aging, and improved nerve function, improve depression. ...
Alpha lipoic acid, an antioxidant, is a vitamin-like substance that helps to make energy in the body.

Supports:

- ✓ cognitive impairment*
- ✓ fatigue*
- ✓ multiple sclerosis*
- ✓ amyotrophic lateral sclerosis*
- ✓ General health*
- ✓ memory loss*
- ✓ cellular energy production

SHOP NOW

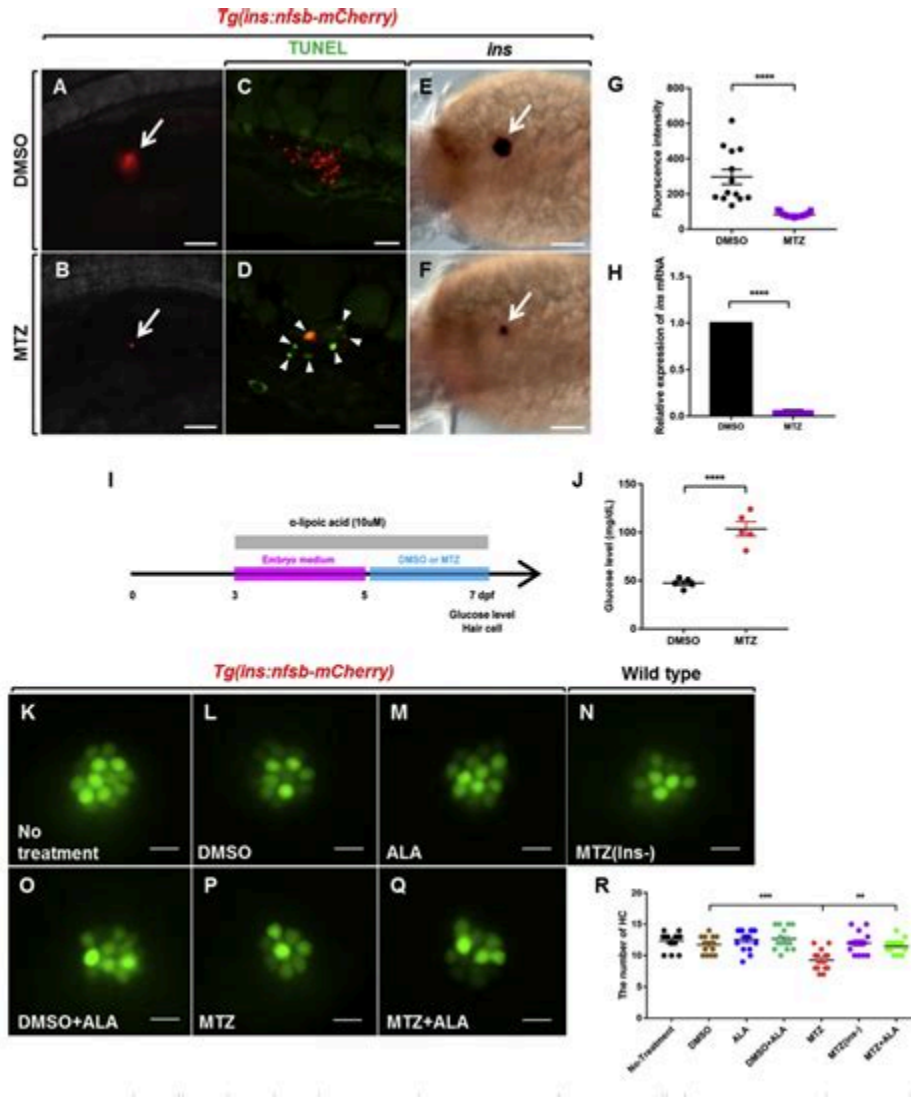
1600 Mg Per Serving

Gluten, Soy, Dairy, GMO Free
| Manufactured in USA | GMP Certified Facility |
www.PhysicianNaturals.com

A white plastic bottle of Physician Naturals MEGA Alpha Lipoic Acid 600 & Acetyl L-Carnitine 1000. The label is green and white, with the brand name "Physician Naturals" at the top. Below it, it says "MEGA Alpha Lipoic Acid 600 & Acetyl L-Carnitine 1000". There are also smaller text details on the label, including "60 Capsules" and "Dietary Supplement".

Conclusion: Alpha lipoic acid is an antioxidant that has gained attention for its potential benefits in hair loss treatment. While there are theoretical reasons to believe it may be effective the scientific evidence regarding its impact on hair growth is limited.

Protective effects of alpha-lipoic acid on hair cell damage in diabetic .



According to one 2018 analysis, ALA can significantly lower C-reactive protein (CRP) levels. CRP is an inflammation marker that may indicate chronic inflammation linked to harmful diseases such as.

Efficacy of cooling therapy and α -lipoic acid derivative against .

Received: 9 August 2022 | Revised: 20 October 2022 | Accepted: 27 October 2022
DOI: 10.1111/cas.15639

ORIGINAL ARTICLE

Cancer Science WILEY

Efficacy of cooling therapy and α -lipoic acid derivative against chemotherapy-induced alopecia in an animal model

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¹Department of Gastroenterological and Pediatric Surgery, Oita University Faculty of Medicine, Yufu, Japan

²Department of Advanced Medical Research and Development for Cancer and Hair (Aderans), Oita University Faculty of Medicine, Yufu, Japan

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Funding information

Aderans Co., Ltd. Grant/Award Number: C213FD0315; Japan Society for the Promotion of Science, Grant/Award Number: JP19K18031; University of Tokyo, Grant/Award Number: the Grant for Joint Research Project of The Instit

Abstract

Chemotherapy-induced alopecia is frequently induced by various regimens of chemotherapy and has a significant impact on mental health and quality of life. However, the effect of available current treatment for chemotherapy-induced alopecia is not sufficient. This study aimed to clarify the therapeutic effects and mechanism of skin cooling and the antioxidant α -lipoic acid derivative on chemotherapy-induced alopecia. We developed a chemotherapy-induced alopecia model of cyclophosphamide (120 μ g/g) using Institute of Cancer Research mice. We used cooling therapy and α -lipoic acid derivative application as the treatments. We compared the alopecia score, hair bulb diameter, insulin-like growth factor-1 level, vascular permeability, and apoptosis between the control and treatment groups. The alopecia score significantly improved in each treatment group compared with that in the cyclophosphamide group. Hair bulb diameter significantly improved in the cyclophosphamide + cooling group compared with that in the cyclophosphamide group. The insulin-like growth factor-1 level and vascular permeability level was significantly retained and suppressed, respectively, in each treatment group compared with that in the cyclophosphamide group. The number of apoptotic cells in the vascular endothelium significantly decreased in the cyclophosphamide + α -lipoic acid derivative group compared with that in the cyclophosphamide group. In conclusion, cooling therapy and α -lipoic acid derivative facilitated recovery from chemotherapy-induced alopecia caused by cyclophosphamide through decreasing vascular permeability.

KEYWORDS

alopecia, antioxidants, chemotherapy, cooling therapy, cyclophosphamide

Abbreviations: ALAD, α -lipoic acid derivative; AS, alopecia score; CIA, chemotherapy-induced alopecia; CYP, cyclophosphamide; ICR, Institute of Cancer Research; OCT, optimal cutting temperature; QOL, quality of life; TWTC, tetramethylrhodamine.

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Cancer Science. 2022;114:1007–1014.

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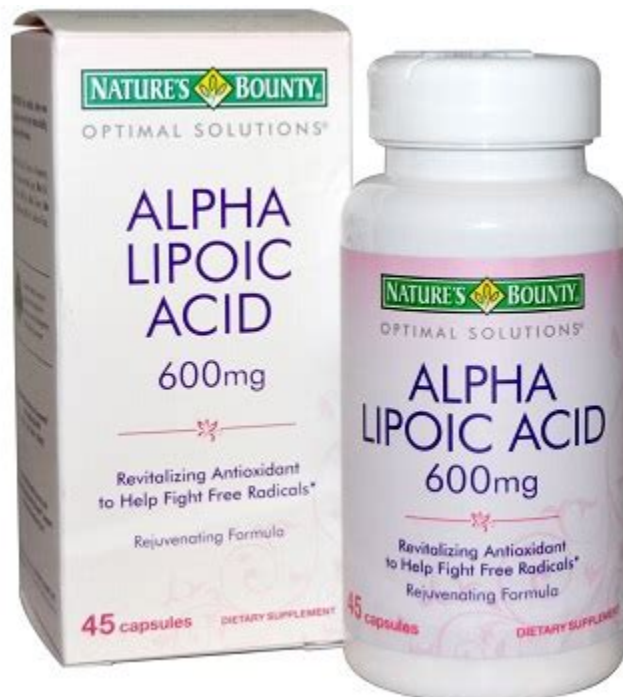
To prevent hair loss completely and promote recovery, the development of novel treatments is needed. The ALAD DHLHisZn is a potent antioxidant, which is stable even in air. ¹¹ , . Third, the effect of alpha-lipoic acid self-production in vivo by cooling, and the effect of self-produced lipoic acid on alopecia are unknown. Therefore, the .

Alpha Lipoic Acid Benefits and Side Effects - Verywell Health



Hair loss is a common side effect of ALA supplementation, although the exact cause is not well understood. If you are experiencing hair loss or other side effects while taking ALA, it is important to speak with your doctor to determine the best course of action. Table of Contents Understanding Alpha Lipoic Acid

Is It True About Alpha-Lipoic Acid Powder Causes Hair Loss? - Nutri Avenue



low blood sugar --headache, hunger, weakness, sweating, confusion, irritability, dizziness, fast heart rate, or feeling jittery; or a light-headed feeling, like you might pass out. Common side effects of alpha-lipoic acid may include: nausea; or

- <https://groups.google.com/g/noyuqzij/c/MQ15NrHkxxE>
- <https://publiclab.org/notes/print/>
- <https://groups.google.com/g/47ironpumping35/c/oBHYDBha2G8>