Subject: Studie Fullerene Nanomaterialien verstärken das Haarwachstum
Posted by tricospanish on Wed, 12 Oct 2011 11:16:12 GMT
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Sie sind individuelle Kohlenstoff Makromoleküle mit geschlossenen Strukturen von mehreren zehn Kohlenstoffatomen nur gebildet.

Fullerene sind eine allotrope Kohlenstoff. Sie wurden versehentlich von einer Gruppe von Smalley und Kroto im Jahr 1985 entdeckt

Seine Entdeckung wurde mit dem Nobelpreis in Chemie in 1996 ausgezeichnet.

Erhalten durch die Wechselwirkung der C60-Atome in der Gasphase

Sie sind wenig löslich in den meisten Lösungsmitteln

Fullerene nanomaterials potentiate hair growth

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division of Luna Innovations Incorporated, Danville, Virginia, USA

"Fullerenes are carbon spheres that have intrinsic properties that may have therapeutic potential for a wide range of disorders."

"The later finding represents a potentially new therapeutic opportunity for conditions leading to hair loss."

"problem is that there are limited effective treatments that can prevent hair loss and induce new hair growth. In this report we show that fullerene derivatives can accelerate hair strand growth and induce new hair follicles within the dermis in mice with genetically underlying factors that limit hair follicle numbers and hair growth. Thus, these compounds may represent a new way to treat hair loss.

As with minoxidil (Rogaine) and finasteride (Propecia), the only two hair loss treatments approved by the US Food and Drug Administration, it is unclear how fullerenes induce hair growth.

In animal studies, minoxidil shortens telogen, causing premature entry of resting hair follicles into anagen, and causes prolongation of anagen, thus increasing hair follicle size.10 Finasteride is an

dihydrotestosterone from testosterone.

However, neither minoxidil nor finasteride seems to have any significant effect on hair follicle numbers in hairless mice and human scalp tissue.11-13 In contrast, we have discovered a new way in which hair follicles can be induced de novo. As seen above, the fullerene derivatives described here significantly increase the number of hair follicles in the skin."

"demonstrate that fullerenes induce hair growth in human skin, suggesting that the mechanism

that potentiates hair growth in mice is similar to that in humans. Thus, we predict the results presented here will translate into new ways to induce hair growth in the approximately 20% to 50% of individuals in whom minoxidil and finasteride have no effect."

File Attachments

1) Fullerene.pdf, downloaded 804 times

Subject: Aw: Studie Fullerene Nanomaterialien verstärken das Haarwachstum
Posted by pilos on Wed, 12 Oct 2011 15:40:11 GMT
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hype...kannst direkt in die tonne kloppen....

Subject: Aw: Studie Fullerene Nanomaterialien verstärken das Haarwachstum
Posted by tricospanish on Wed, 12 Oct 2011 19:52:39 GMT
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Subject: Aw: Studie Fullerene Nanomaterialien verstärken das Haarwachstum
Posted by jochenknochen on Thu, 13 Oct 2011 16:55:08 GMT
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tricospanish schrieb am Wed, 12 October 2011 21:52

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http://de.wiktionary.org/wiki/Hype

Subject: Aw: Studie Fullerene Nanomaterialien verstärken das Haarwachstum

Posted by Haar_Challange_2021 on Mon, 15 Jul 2013 14:42:12 GMT
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Gibt ja einiges was bei Mäusen Haare / Fell wieder wachsen lies sowie die Fullerene. Aber könnte ein Versuch Wert sein.
Es gibt auch Natürliche Fullerene (Schungit) aus dem könnte man eventuell selbst ne Nano Lösung machen?

Hair loss is a common symptom resulting from a wide range of disease processes and can lead to stress in affected individuals. The purpose of this study was to examine the effect of fullerene nanomaterials on hair growth. We used shaved mice as well as SKH-1 "bald" mice to determine if fullerene-based compounds could affect hair growth and hair follicle numbers. In shaved mice, fullerenes increase the rate of hair growth as compared with mice receiving vehicle only. In SKH-1 hairless mice fullerene derivatives given topically or subdermally markedly increased hair growth. This was paralleled by a significant increase in the number of hair follicles in fullerene-treated mice as compared with those mice treated with vehicle only. The fullerenes also increased hair growth in human skin sections maintained in culture. These studies have wide-ranging implications for those conditions leading to hair loss, including alopecia, chemotherapy, and reactions to various chemicals.

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