Accepted Manuscript

A Co-drug of Butyric Acid Derived from Fermentation Metabolites of the Human Skin Microbiome Stimulates Adipogenic Differentiation of Adipose-Derived Stem Cells: Implications in Tissue Augmentation

Yanhan Wang, Lingjuan Zhang, Jinghua Yu, Stephen Huang, Zhenping Wang, Kimberly Ann Chun, Tammy Ling Lee, Ying-Tung Chen, Richard L. Gallo, Chun-Ming Huang

PII: S0022-202X(16)32239-4

Reference: JID 479

DOI:

To appear in: The Journal of Investigative Dermatology

10.1016/j.jid.2016.07.030

Received Date: 27 May 2015
Revised Date: 28 June 2016
Accepted Date: 12 July 2016

Please cite this article as: Wang Y, Zhang L, Yu J, Huang S, Wang Z, Chun KA, Lee TL, Chen Y-T, Gallo RL, Huang C-M, A Co-drug of Butyric Acid Derived from Fermentation Metabolites of the Human Skin Microbiome Stimulates Adipogenic Differentiation of Adipose-Derived Stem Cells: Implications in Tissue Augmentation, *The Journal of Investigative Dermatology* (2016), doi: 10.1016/j.jid.2016.07.030.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



ACCEPTED MANUSCRIPT

Butyric Acid Co-drug Stimulates Adipogenic Differentiation of ADSCs Huang CM 03252015

A Co-drug of Butyric Acid Derived from Fermentation Metabolites of the Human Skin Microbiome Stimulates Adipogenic Differentiation of Adipose-**Derived Stem Cells: Implications in Tissue Augmentation**

Yanhan Wang¹, Lingjuan Zhang¹, Jinghua Yu², Stephen Huang³, Zhenping Wang¹, Kimberly Ann Chun¹, Tammy Ling Lee¹, Ying-Tung Chen⁴, Richard L. Gallo and Chun-Ming Huang 1,5*

¹Department of Dermatology, School of Medicine, University of California, San Diego, CA, USA

²Sanford-Burnham Institute for Medical Research, La Jolla, CA, USA

³Surface Bioadvances Inc., San Diego, CA, USA

⁴Nerd SkinCare Inc., San Francisco, USA

⁴Moores Cancer Center; University of California, San Diego, CA, USA

Running title: Butyric Acid Co-drug Stimulates Adipogenic Differentiation of ADSCs

*Reprint requests to: Professor Chun-Ming Huang, Department of Dermatology, University of California, San Diego. 3525 John Hopkins Court, Rm276, San Diego, CA, 92121, USA

E-mail: chunming@ucsd.edu

Tel: 858-822-4627 **Fax:** 858-642-1435

Adipogenic, Butyric acid, Differentiation, Microbiome, Skin

Keywords:

Download English Version:

https://daneshyari.com/en/article/5649827

Download Persian Version:

https://daneshyari.com/article/5649827

<u>Daneshyari.com</u>