### Accepted Manuscript

Bitter melon seed oil increases mitochondrial content in gastrocnemius muscle and improves running endurance in sedentary C57BL/6 J mice



Fei Koon Chan, Chin Hsu, Tsai-Chung Li, Wen-Hung Chen, Kuo-Tang Tseng, Pei-Min Chao

80955-2863(18)30011-1
doi:10.1016/j.jnutbio.2018.05.008
JNB 7991
The Journal of Nutritional Biochemistry
7 January 2018
16 April 2018
12 May 2018

Please cite this article as: Fei Koon Chan, Chin Hsu, Tsai-Chung Li, Wen-Hung Chen, Kuo-Tang Tseng, Pei-Min Chao, Bitter melon seed oil increases mitochondrial content in gastrocnemius muscle and improves running endurance in sedentary C57BL/6 J mice. Jnb (2018), doi:10.1016/j.jnutbio.2018.05.008

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

(Title page)

#### Bitter melon seed oil increases mitochondrial content in gastrocnemius muscle and

#### improves running endurance in sedentary C57BL/6J mice

Fei Koon Chan<sup>a</sup>, Chin Hsu<sup>b</sup>, Tsai-Chung Li<sup>c,d</sup>, Wen-Hung Chen<sup>e</sup>, Kuo-Tang Tseng<sup>e</sup>, Pei-Min

#### Chao<sup>a\*</sup>

<sup>a</sup>Department of Nutrition, China Medical University, Taichung, Taiwan

<sup>b</sup>Department of Exercise Health Science, National Taiwan University of Sport, Taichung City, Taiwan

<sup>c</sup> Department of Public Health, College of Public Health, China Medical University, Taichung, Taiwan

<sup>d</sup> Department of Healthcare Administration, College of Medical and Health Science, Asia University, Taichung, Taiwan

<sup>e</sup>Aquavan Technology Co., Ltd. Taipei City, Taiwan

Keywords: Bitter melon seed oil;  $\alpha$ -ESA; rumenic acid; exercise endurance; mitochondria

#### Running title: BITTER MELON SEED OIL INCREASES ENDURANCE

\*Corresponding author:

Dr. Pei-Min Chao

Department of Nutrition, China Medical University, Taichung 404, Taiwan

Email: pmchao@mail.cmu.edu.tw

Tel: +(886)-4-22053366, ext 7509

Fax: +(886)-4-22062891

Download English Version:

# https://daneshyari.com/en/article/8336311

Download Persian Version:

https://daneshyari.com/article/8336311

Daneshyari.com