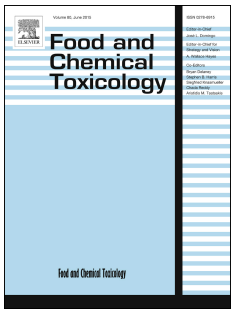
Accepted Manuscript



The lemon balm extract ALS-L1023 inhibits obesity and nonalcoholic fatty liver disease in female ovariectomized mice

Jeongjun Kim, Hyunghee Lee, Jonghoon Lim, Haerim Lee, Seolah Yoon, Soon Shik Shin, Michung Yoon

PII: S0278-6915(17)30295-8

DOI: 10.1016/j.fct.2017.05.059

Reference: FCT 9094

To appear in: *Food and Chemical Toxicology*

Received Date: 21 November 2016

Revised Date: 30 April 2017

Accepted Date: 26 May 2017

Please cite this article as: Kim, J., Lee, H., Lim, J., Lee, H., Yoon, S., Shin, S.S., Yoon, M., The lemon balm extract ALS-L1023 inhibits obesity and nonalcoholic fatty liver disease in female ovariectomized mice, *Food and Chemical Toxicology* (2017), doi: 10.1016/j.fct.2017.05.059.

The lemon balm extract ALS-L1023 inhibits obesity and nonalcoholic fatty liver disease in female ovariectomized mice

Jeongjun Kim[1], Hyunghee Lee[1], Jonghoon Lim[1], Haerim Lee[1], Seolah Yoon[1], Soon Shik Shin[2,*], and Michung Yoon[1,*]

[1]*Department of Biomedical Engineering, Mokwon University, Daejeon, 302-729 and* [2]*Department of Formula Sciences, College of Korean Medicine, Dongeui University, Busan, 614-052, Korea*

Running title: Angiogenesis, obesity and NAFLD in OVX mice

[*]Co-corresponding Authors: Michung Yoon, 8242-829-7581 (Phone), 8242-829-7590 (Fax), yoon60@mokwon.ac.kr (e-mail) and Soon Shik Shin, 8251-850-7414 (Phone), 8251-853-4036 (Fax), ssshin@deu.ac.kr (e-mail)