

Accepted Manuscript

Fructose liquid and solid formulations differently affect gut integrity, microbiota composition and related liver toxicity: a comparative in vivo study

R Mastrocola, I Ferrocino, E Liberto, F Chiazza, AS Cento, D Collotta, G. Querio, D Nigro, V Bitonto, JC Cutrin, K Rantsiou, M Durante, E Masini, M Aragno, C Cordero, L Cocolin, M Collino

PII: S0955-2863(17)30563-6
DOI: [doi:10.1016/j.jnutbio.2018.02.003](https://doi.org/10.1016/j.jnutbio.2018.02.003)
Reference: JNB 7922

To appear in:

Received date: 24 June 2017
Revised date: 23 January 2018
Accepted date: 5 February 2018

Please cite this article as: R Mastrocola, I Ferrocino, E Liberto, F Chiazza, AS Cento, D Collotta, G. Querio, D Nigro, V Bitonto, JC Cutrin, K Rantsiou, M Durante, E Masini, M Aragno, C Cordero, L Cocolin, M Collino , Fructose liquid and solid formulations differently affect gut integrity, microbiota composition and related liver toxicity: a comparative in vivo study. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. *Jnb*(2018), doi:[10.1016/j.jnutbio.2018.02.003](https://doi.org/10.1016/j.jnutbio.2018.02.003)

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.



Fructose liquid and solid formulations differently affect gut integrity, microbiota composition and related liver toxicity: a comparative *in vivo* study.

Mastrocola R^{1,2}, Ferrocino I³, Liberto E⁴, Chiazza F⁴, Cento AS¹, Collotta D⁴, Querio G.⁴, Nigro D¹, Bitonto V⁵, Cutrin JC⁵, Rantsiou K³, Durante M⁶, Masini E⁶, Aragno M¹, Cordero C⁴, Cocolin L^{3*}, Collino M^{3*}

**shared senior authors of this study.*



¹Dept. of Clinical and Biological Sciences, University of Turin, Italy;

²Dept. Internal Medicine, University of Maastricht, The Netherlands;

³Dept. of Agricultural, Forest and Food Sciences, University of Turin, Italy;

⁴Dept. of Drug Science and Technology, University of Turin, Italy;

⁵Dept. of Molecular Biotechnology and Sciences for the Health, University of Turin, Italy;

⁶Dept. of Neuroscience, Psychology, Drug Research and Child Health, University of Florence, Italy.

Corresponding author:

Massimo Collino

Department of Drug Science and Technology,
University of Turin via P. Giuria 9, 10125 Torino, Italy.

Tel: +39 011 6706861 Fax: +39 011 2367955

E-mail address: massimo.collino@unito.it

Luca Cocolin

DISAFA, University of Turin

Largo Braccini 2, 10095 Grugliasco, Italy.

Tel: +39 011 6708553 Fax: +39 011 2368549

E-mail address: lucasimone.cocolin@unito.it

Running title: Liquid vs. solid fructose in gut/liver toxicity

Download English Version:

<https://daneshyari.com/en/article/8336393>

Download Persian Version:

<https://daneshyari.com/article/8336393>

[Daneshyari.com](https://daneshyari.com)