Accepted Manuscript

Development and validation of an UHPLC-HRMS protocol for the analysis of flavan-3-ol metabolites and catabolites in urine, plasma and feces of rats fed a red wine proanthocyanidin extract

Gema Pereira-Caro, José Luis Ordó ñez, Iziar Ludwig, Sylvie Gaillet, Pedro Mena, Daniel Del Rio, Jean-Max Rouanet, Keren A. Bindon, José Manuel Moreno-Rojas, Alan Crozier

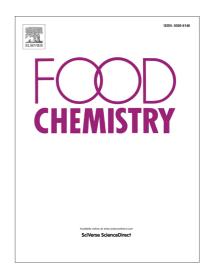
PII: S0308-8146(18)30093-1

DOI: https://doi.org/10.1016/j.foodchem.2018.01.083

Reference: FOCH 22272

To appear in: Food Chemistry

Received Date: 13 November 2017 Revised Date: 9 January 2018 Accepted Date: 11 January 2018



Please cite this article as: Pereira-Caro, G., Ordó ñez, J.L., Ludwig, I., Gaillet, S., Mena, P., Del Rio, D., Rouanet, J-M., Bindon, K.A., Moreno-Rojas, J.M., Crozier, A., Development and validation of an UHPLC-HRMS protocol for the analysis of flavan-3-ol metabolites and catabolites in urine, plasma and feces of rats fed a red wine proanthocyanidin extract, *Food Chemistry* (2018), doi: https://doi.org/10.1016/j.foodchem.2018.01.083

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

Development and validation of an UHPLC-HRMS protocol for the analysis of flavan-3-ol metabolites and catabolites in urine, plasma and feces of rats fed a red wine proanthocyanidin extract

Gema Pereira-Caroa‡*, José Luis Ordóñeza‡, Iziar Ludwigb, Sylvie Gailletc, Pedro Menad, Daniel Del Riod, Jean-Max Rouanetc, Keren A. Bindonf, José Manuel Moreno-Rojasa, and Alan Croziera

Training (IFAPA), Avenida Menendez-Pidal, SN, 14004, Córdoba, Spain.

bDepartment of Food and Technology, Universidad de Lleida, 25198, Lleida, Spain

cINRA, UMR 866, Muscle Dynamics and Metabolism, University of Montpellier, Montpellier, France

dDepartment of Food and Drugs, University of Parma, Via Volturno, 39, 43125 Parma, Italy

eNutrition and Metabolism, UMR 204 NutriPass. University of Montpellier, Montpellier, France

fThe Australian Wine Research Institute, PO. Box 197, Glen Osmond, SA, 5064, Australia

Department of Nutrition, University of Davis, 3134 Meyer Hall, One Shields Avenue, Davis,

^aDepartment of Food and Health. Andalusian Institute of Agricultural and Fisheries Research and

[‡]These authors contributed equally to this work.

California 95616-5270, USA

*Corresponding author: Gema Pereira-Caro

Department of Food and Health, IFAPA-Alameda del Obipso

Avenida Menéndez-Pidal, SN, 14004, Córdoba (Spain)

E-mail: mariag.pereira@juntadeandalucia.es

Download English Version:

https://daneshyari.com/en/article/7585645

Download Persian Version:

https://daneshyari.com/article/7585645

<u>Daneshyari.com</u>