

Accepted Manuscript

Glucoraphanin and sulforaphane evolution during juice preparation from broccoli sprouts

Cristiano Bello, Mariateresa Maldini, Simona Baima, Cristina Scaccini, Fausta Natella

PII: S0308-8146(18)31062-8

DOI: <https://doi.org/10.1016/j.foodchem.2018.06.089>

Reference: FOCH 23050

To appear in: *Food Chemistry*

Received Date: 12 February 2018

Revised Date: 13 June 2018

Accepted Date: 18 June 2018

Please cite this article as: Bello, C., Maldini, M., Baima, S., Scaccini, C., Natella, F., Glucoraphanin and sulforaphane evolution during juice preparation from broccoli sprouts, *Food Chemistry* (2018), doi: <https://doi.org/10.1016/j.foodchem.2018.06.089>

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.



Glucoraphanin and sulforaphane evolution during juice preparation from broccoli sprouts

Cristiano Bello, Mariateresa Maldini, Simona Baima[§], Cristina Scaccini and Fausta Natella*

Consiglio per la Ricerca in Agricoltura e l'Analisi dell'Economia Agraria (CREA), Food and Nutrition Research Centre – Via Ardeatina 546, 00178 Roma, Italy

[§] present affiliation: Consiglio per la Ricerca in Agricoltura e l'Analisi dell'Economia Agraria (CREA), Research centre for Genomics and Bioinformatics- Via Ardeatina 546, 00178 Roma, Italy

*Corresponding author:

Fausta Natella

CRA-NUT - Via Ardeatina 546 – 00178 Roma, Italy

Telephone +3906 51494649

Fax +3906 51494550

e-mail: fausta.natella@entecra.itauthor's emailCristiano Bello: cristiano.bello@crea.gov.itMariateresa Maldini: maldiniluce@gmail.comSimona Baima: simona.baima@crea.gov.itCristina Scaccini: cristina.scaccini@crea.gov.itDeclarations of interest: none

Abbreviations: Cys, Cysteine; ESP, epithiospecifier protein; ESI-MS, Electrospray Ionization Source-Mass Spectrometry; FW, Fresh Weight; GL, Glucosinolate; GR, glucoraphanin; GSH, glutathione; GR, glucoraphanin; HPLC, High Performance Liquid Chromatography; ITC, isothiocyanates; Lys, Lysine; PEITC, phenethyl isothiocyanate; SFN, sulforaphane;

Download English Version:

<https://daneshyari.com/en/article/7584310>

Download Persian Version:

<https://daneshyari.com/article/7584310>

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