

Accepted Manuscript

Title: Analytical methods for the study of bioactive compounds from medicinally used *Echinacea* species

Authors: Renato Bruni, Virginia Brighenti, Lindsay K. Caesar, Davide Bertelli, Nadja B. Cech, Federica Pellati



PII: S0731-7085(18)31389-X
DOI: <https://doi.org/10.1016/j.jpba.2018.07.044>
Reference: PBA 12115

To appear in: *Journal of Pharmaceutical and Biomedical Analysis*

Received date: 11-6-2018
Revised date: 20-7-2018
Accepted date: 21-7-2018

Please cite this article as: Bruni R, Brighenti V, Caesar LK, Bertelli D, Cech NB, Pellati F, Analytical methods for the study of bioactive compounds from medicinally used *Echinacea* species, *Journal of Pharmaceutical and Biomedical Analysis* (2018), <https://doi.org/10.1016/j.jpba.2018.07.044>

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.

Analytical methods for the study of bioactive compounds from medicinally used *Echinacea* species

Renato Bruni¹, Virginia Brighenti², Lindsay K. Caesar³, Davide Bertelli², Nadja B. Cech³, Federica Pellati^{2,*}

¹*Department of Food and Drug Sciences, Parco Area delle Scienze 11A, University of Parma, 43124 Parma, Italy*

²*Department of Life Sciences, University of Modena and Reggio Emilia, Via G. Campi 103, 41125 Modena, Italy*

³*Department of Chemistry and Biochemistry, The University of North Carolina at Greensboro, 435 Sullivan Bldg., Greensboro, NC 27402, USA*

*Corresponding author

Corresponding author:

Dr. Federica Pellati

Department of Life Sciences

University of Modena and Reggio Emilia

Via G. Campi 103

41125 Modena, Italy

Tel.: +39-059-2058565

E-mail: federica.pellati@unimore.it

Graphical abstract



Echinacea species

BIOACTIVE COMPOUNDS

- Caffeic acid derivatives (CADs)
 - Alkylamides
- Polyacetylenes and polyenes
 - Volatile compounds
- Polysaccharides and glycoproteins

EXTRACTION AND ANALYSIS

Download English Version:

<https://daneshyari.com/en/article/11005705>

Download Persian Version:

<https://daneshyari.com/article/11005705>

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