Accepted Manuscript

Title: Scrophularia lucida L. as a valuable source of bioactive compounds for pharmaceutical applications: in vitro antioxidant, anti-inflammatory, enzyme inhibitory properties, in silico studies, and HPLC profiles

Authors: Gokhan Zengin, Azzurra Stefanucci, Maria João Rodrigues, Adriano Mollica, Luisa Custodio, Muhammad Zakariyyah Aumeeruddy, Mohamad Fawzi Mahomoodally



PII:	S0731-7085(18)31649-2
DOI:	https://doi.org/10.1016/j.jpba.2018.09.035
Reference:	PBA 12228
To appear in:	Journal of Pharmaceutical and Biomedical Analysis
Received date:	15-7-2018
Revised date:	16-9-2018
Accepted date:	17-9-2018

Please cite this article as: Zengin G, Stefanucci A, Rodrigues MJ, Mollica A, Custodio L, Aumeeruddy MZ, Mahomoodally MF, Scrophularia lucida L. as a valuable source of bioactive compounds for pharmaceutical applications: in vitro antioxidant, anti-inflammatory, enzyme inhibitory properties, in silico studies, and HPLC profiles, *Journal of Pharmaceutical and Biomedical Analysis* (2018), https://doi.org/10.1016/j.jpba.2018.09.035

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

Scrophularia lucida L. as a valuable source of bioactive compounds for pharmaceutical applications: *in vitro* antioxidant, anti-inflammatory, enzyme inhibitory properties, *in silico* studies, and HPLC profiles

Gokhan Zengin^{1≠*}, Azzurra Stefanucci^{2≠}, Maria João Rodrigues³, Adriano Mollica², Luisa Custodio³, Muhammad Zakariyyah Aumeeruddy⁴, Mohamad Fawzi Mahomoodally⁴

¹Selcuk University, Science Faculty, Department of Biology, Campus, Konya, Turkey

²Department of Pharmacy, University "G. d'Annunzio" Chieti-Pescara, 66100, Chieti-Italy

³Centre of Marine Sciences, University of Algarve, Faculty of Sciences and Technology, Ed. 7,

Campus of Gambelas, 8005-139 Faro, Portugal.

⁴Department of Health Sciences, Faculty of Science, University of Mauritius, 230 Réduit, Mauritius

[#]These Authors contributed equally

*Corresponding author: gokhanzengin@selcuk.edu.tr

Highlights

- Biochemical fingerprints of *Scrophularia lucida* extracts were evaluated.
- Antioxidant, enzyme inhibitory and anti-inflammatory effects were investigated.
- *In silico* studies were performed for providing further insights.
- Luteolin, rosmarinic acid, hesperidin and kaempferol are main compounds.
- The study could be considered as a springboard for designing further studies on *S. lucida*.

Download English Version:

https://daneshyari.com/en/article/11027366

Download Persian Version:

https://daneshyari.com/article/11027366

Daneshyari.com