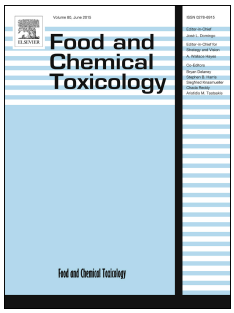
Accepted Manuscript



Anti-proliferative activity-guided isolation of clerodermic acid from *Salvia nemorosa* L.: Geno/cytotoxicity and hypoxia-mediated mechanism of action

Mir Babak Bahadori, Morteza Eskandani, Maria de Mieri, Matthias Hamburger, Hossein Nazemiyeh

PII: S0278-6915(18)30434-4

DOI: 10.1016/j.fct.2018.06.060

Reference: FCT 9881

To appear in: *Food and Chemical Toxicology*

Received Date: 5 May 2018

Revised Date: 22 June 2018

Accepted Date: 26 June 2018

Please cite this article as: Bahadori, M.B., Eskandani, M., de Mieri, M., Hamburger, M., Nazemiyeh, H., Anti-proliferative activity-guided isolation of clerodermic acid from *Salvia nemorosa* L.: Geno/cytotoxicity and hypoxia-mediated mechanism of action, *Food and Chemical Toxicology* (2018), doi: 10.1016/j.fct.2018.06.060.

Anti-proliferative activity-guided isolation of Clerodermic acid from *Salvia nemorosa* L.: Geno/cytotoxicity and hypoxia-mediated mechanism of action

Mir Babak Bahadori [a], Morteza Eskandani [b]*, Maria de Mieri [c], Matthias Hamburger [c], Hossein Nazemiyeh [b,d]*

[a] *Phytopharmacology Research Center, Maragheh University of Medical sciences, Maragheh, Iran*

[b] *Research Center for Pharmaceutical Nanotechnology, Biomedicine Institute, Tabriz University of Medical Sciences, Tabriz, Iran*

[c] *Division of Pharmaceutical Biology, University of Basel, Klingelbergstrasse 50, 4056 Basel, Switzerland*

[d] *Departement of Pharmacognosy, Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran*

Corresponding authors: Research Center for Pharmaceutical Nanotechnology, Tabriz University of Medical Sciences, Tabriz, Iran, Dr. Morteza Eskandani; E-mail address: morteza.eskandani@gmail.com, and Prof. Hossein Nazemiyeh; E-mail address: nazemiyehh@gmail.com