

# Accepted Manuscript

Different cell death responses induced by eupomatenoid-5 in MCF-7 and 786-0 tumor cell lines

Giovanna Barbarini Longato, Giovanna Francisco Fiorito, Débora Barbosa Vendramini-Costa, Ilza Maria de Oliveira Sousa, Sirlene Valério Tinti, Ana Lúcia Tasca Gois Ruiz, Sinara Mônica Vitalino de Almeida, Rafael José Ribeiro Padilha, Mary Ann Foglio, João Ernesto de Carvalho

PII: S0887-2333(15)00073-9

DOI: <http://dx.doi.org/10.1016/j.tiv.2015.04.002>

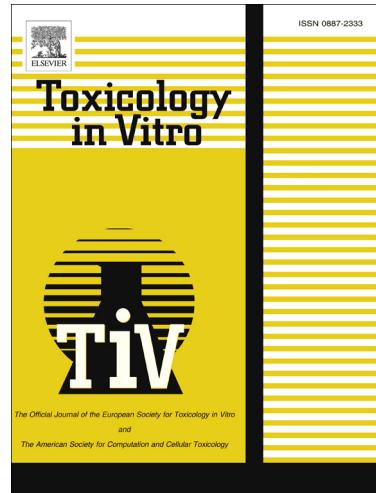
Reference: TIV 3505

To appear in: *Toxicology in Vitro*

Received Date: 18 July 2014

Accepted Date: 7 April 2015

Please cite this article as: Longato, G.B., Fiorito, G.F., Vendramini-Costa, D.B., Sousa, I.M.d., Tinti, S.V., Ruiz, A.L.T., Almeida, S.M.V., Padilha, R.J.R., Foglio, M.A., Carvalho, o.E.d., Different cell death responses induced by eupomatenoid-5 in MCF-7 and 786-0 tumor cell lines, *Toxicology in Vitro* (2015), doi: <http://dx.doi.org/10.1016/j.tiv.2015.04.002>



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.

1  
2  
3  
4  
5  
**Different cell death responses induced by eupomatenoid-5 in  
6 MCF-7 and 786-0 tumor cell lines.**

7  
8  
9  
10  
11  
12 Giovanna Barbarini Longato<sup>a,b</sup>, Giovanna Francisco Fiorito<sup>b</sup>, Débora Barbosa  
13 Vendramini-Costa<sup>b</sup>, Ilza Maria de Oliveira Sousa<sup>c</sup>, Sirlene Valério Tinti<sup>b</sup>, Ana Lúcia  
14 Tasca Gois Ruiz<sup>b</sup>, Sinara Mônica Vitalino de Almeida<sup>d,e</sup>, Rafael José Ribeiro Padilha<sup>d</sup>,  
15 Mary Ann Foglio<sup>c</sup>, João Ernesto de Carvalho<sup>bf</sup>.

- 16  
17 a. Programa de Pós-graduação em Biologia Celular e Estrutural, Instituto de Biologia,  
18 Universidade Estadual de Campinas (UNICAMP), Campinas 13083-872, SP, Brazil  
19 b. Divisão de Farmacologia e Toxicologia, Centro Pluridisciplinar de Pesquisas Químicas,  
20 Biológicas e Agrícolas (CPQBA), UNICAMP, Campinas 13083-970, SP, Brazil  
21 c. Divisão de Fitoquímica, CPQBA, UNICAMP, Campinas 13083-970, SP, Brazil  
22 d. Laboratório de Imunopatologia Keizo Asami (LIKA) e Departamento de Bioquímica,  
23 Universidade Federal de Pernambuco (UFPE), Recife 50670-901, PE, Brazil  
24 e. Faculdade de Ciências, Educação e Tecnologia de Garanhuns (FACETEG), Universidade de  
25 Pernambuco (UPE), Garanhuns 55290-000, PE, Brazil  
26 f. Faculdade de Ciências Farmacêuticas, UNICAMP, Campinas 13083-872, SP, Brazil  
27  
28  
29  
30  
31  
32  
33

34 CORRESPONDING AUTHOR  
35  
36 Giovanna Barbarini Longato  
37 Divisão de Farmacologia e Toxicologia – CPQBA/UNICAMP  
38 Universidade Estadual de Campinas – UNICAMP  
39 P.O. Box 6171, 13083-970  
40 Campinas, SP, Brazil  
41 Phone: + 551921392875  
42 Fax: + 551921392852  
43 giovannabl@yahoo.com.br  
44  
45  
46  
47

48 ABSTRACT  
49  
50  
51

52 Natural products remain an important source of new drugs, including anticancer drugs.  
53  
54 Recently, our group reported the anticancer activity of eupomatenoid-5 (eup-5), a  
55 neolignan isolated from *Piper regnelli* (Miq.) C. DC. var. *regnellii* leaves. *In vitro*  
56 studies demonstrated that MCF-7 (breast) and 786-0 (kidney) were among the cancer  
57  
58  
59  
60  
61  
62  
63  
64  
65

Download English Version:

<https://daneshyari.com/en/article/5861681>

Download Persian Version:

<https://daneshyari.com/article/5861681>

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