

Accepted Manuscript

Lycopene-rich extract from red guava (*Psidium guajava* L.) displays cytotoxic effect against human breast adenocarcinoma cell line MCF-7 via an apoptotic-like pathway

Raimunda C. dos Santos, Alicia S. Ombredane, Jéssica Maria T. Souza, Andreanne G. Vasconcelos, Alexandra Plácido, Adriany das G.N. Amorim, Eder Alves Barbosa, Filipe C.D.A. Lima, Cristina D. Ropke, Michel M.M. Alves, Daniel D.R. Arcanjo, Fernando A.A. Carvalho, Cristina Delerue-Matos, Graziella A. Joanitti, José Roberto de S.A. Leite



PII: S0963-9969(17)30730-5
DOI: [doi:10.1016/j.foodres.2017.10.045](https://doi.org/10.1016/j.foodres.2017.10.045)
Reference: FRIN 7093

To appear in: *Food Research International*

Received date: 21 May 2017
Revised date: 16 October 2017
Accepted date: 26 October 2017

Please cite this article as: Raimunda C. dos Santos, Alicia S. Ombredane, Jéssica Maria T. Souza, Andreanne G. Vasconcelos, Alexandra Plácido, Adriany das G.N. Amorim, Eder Alves Barbosa, Filipe C.D.A. Lima, Cristina D. Ropke, Michel M.M. Alves, Daniel D.R. Arcanjo, Fernando A.A. Carvalho, Cristina Delerue-Matos, Graziella A. Joanitti, José Roberto de S.A. Leite , Lycopene-rich extract from red guava (*Psidium guajava* L.) displays cytotoxic effect against human breast adenocarcinoma cell line MCF-7 via an apoptotic-like pathway. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Frin(2017), doi:[10.1016/j.foodres.2017.10.045](https://doi.org/10.1016/j.foodres.2017.10.045)

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.

Lycopene-rich extract from red guava (*Psidium guajava* L.) displays cytotoxic effect against human breast adenocarcinoma cell line MCF-7 via an apoptotic-like pathway

Raimunda C. dos Santos^a, Alicia S. Ombredane^b, Jéssica Maria T. Souza^a, Andreanne G. Vasconcelos^a, Alexandra Plácido^c, Adriany das G. N. Amorim^a, Eder Alves Barbosa^{d,e}, Filipe C. D. A. Lima^f, Cristina D. Ropke^g, Michel M. M. Alves^h, Daniel D. R. Arcanjo^h, Fernando A. A. Carvalho^h, Cristina Delerue-Matos^c, Graziella A. Joanitti^{b,i}, José Roberto de S. A. Leite^{j,*}.

^aNúcleo de Pesquisa em Biodiversidade e Biotecnologia, Biotec, *Campus Ministro Reis Velloso*, Universidade Federal do Piauí, Parnaíba, PI, Brazil;

^bLaboratório de Nanobiotecnologia, Instituto de Biologia, *Campus Darcy Ribeiro*, Universidade de Brasília, Brasília, DF, Brazil;

^cREQUIMTE/LAQV, Instituto Superior de Engenharia do Porto, Instituto Politécnico do Porto, Porto, Portugal;

^dLaboratório de Síntese e Análise de Biomoléculas, LSAB, Instituto de Química, *Campus Darcy Ribeiro*, Universidade de Brasília, Brasília, DF, Brazil;

^eLaboratório de Espectrometria de Massa, Embrapa Recursos Genéticos e Biotecnologia, Brasília, DF, Brazil;

^fInstituto Federal de Educação Ciência e Tecnologia de São Paulo, Matão, SP, Brazil;

^gPhytobios LTDA, Barueri, SP, São Paulo, Brazil;

^hNúcleo de Pesquisa em Plantas Medicinais, Universidade Federal do Piauí, Teresina, PI, Brazil;

ⁱ*Campus Ceilândia*, Centro Metropolitano, Universidade de Brasília, Ceilândia, Brasília, DF, Brazil;

Download English Version:

<https://daneshyari.com/en/article/8889685>

Download Persian Version:

<https://daneshyari.com/article/8889685>

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