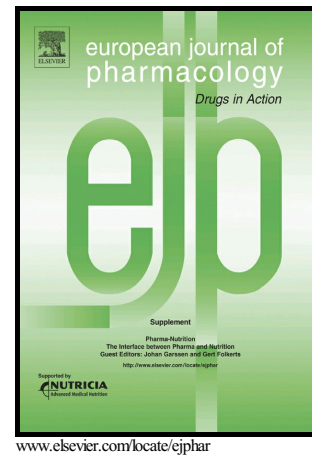


## Author's Accepted Manuscript

Blockade of endothelin receptors reduces tumor-induced ongoing pain and evoked hypersensitivity in a rat model of facial carcinoma induced pain

Caroline Machado Kopruszinski, Renata Cristiane dos Reis, Eder Gambeta, Alexandra Acco, Giles Alexander Rae, Tamara King, Juliana Geremias Chichorro



PII: S0014-2999(17)30687-8  
DOI: <https://doi.org/10.1016/j.ejphar.2017.10.045>  
Reference: EJP71483

To appear in: *European Journal of Pharmacology*

Received date: 3 August 2017  
Revised date: 18 October 2017  
Accepted date: 20 October 2017

Cite this article as: Caroline Machado Kopruszinski, Renata Cristiane dos Reis, Eder Gambeta, Alexandra Acco, Giles Alexander Rae, Tamara King and Juliana Geremias Chichorro, Blockade of endothelin receptors reduces tumor-induced ongoing pain and evoked hypersensitivity in a rat model of facial carcinoma induced pain, *European Journal of Pharmacology*, <https://doi.org/10.1016/j.ejphar.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 galley proof before it is published in its final citable 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.

**Blockade of endothelin receptors reduces tumor-induced ongoing pain and evoked hypersensitivity in a rat model of facial carcinoma induced pain**

<sup>1</sup>Caroline Machado Kopruszinski, <sup>1</sup>Renata Cristiane dos Reis, <sup>1</sup>Eder Gambeta, <sup>1</sup>Alexandra Acco, <sup>2</sup>Giles Alexander Rae, <sup>3</sup>Tamara King, <sup>1</sup>Juliana Geremias Chichorro\*

<sup>1</sup>Department of Pharmacology, Biological Sciences Section, Federal University of Parana, Curitiba, Brazil.

<sup>2</sup>Department of Pharmacology, Biological Sciences Center, Federal University of Santa Catarina, Florianopolis, Brazil.

<sup>3</sup>Department of Biomedical Science, College of Osteopathic Medicine, Center for Excellence in the Neurosciences, University of New England, Biddeford, Maine, United States of America.

**\* Corresponding Author:**

Juliana Geremias Chichorro, Ph.D.

Federal University of Parana

Biological Sciences Sector

Department of Pharmacology

Curitiba, PR, Brazil

Tel.: +55 41 3361-1720

Fax: +55 41 3266- 2042

E-mail: juliana.chichorro@ufpr.br

Download English Version:

<https://daneshyari.com/en/article/8529764>

Download Persian Version:

<https://daneshyari.com/article/8529764>

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