

Accepted Manuscript

Identification of Pyrazolo[3,4-e][1,4]thiazepin based CYP51 inhibitors as potential Chagas disease therapeutic alternative: *In vitro* and *in vivo* evaluation, binding mode prediction and SAR exploration

Ludmila Ferreira de Almeida Fiuza, Raiza Brandão Peres, Marianne Rocha Simões-Silva, Patricia Bernardino da Silva, Denise da Gama Jaen Batista, Cristiane França da Silva, Aline Nefertiti Silva da Gama, Tummala Rama Krishna Reddy, Maria de Nazaré Correia Soeiro

PII: S0223-5234(18)30142-9

DOI: [10.1016/j.ejmech.2018.02.020](https://doi.org/10.1016/j.ejmech.2018.02.020)

Reference: EJMECH 10197

To appear in: *European Journal of Medicinal Chemistry*

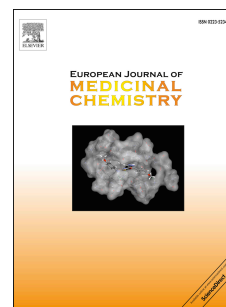
Received Date: 19 December 2017

Revised Date: 6 February 2018

Accepted Date: 6 February 2018

Please cite this article as: L.F. de Almeida Fiuza, Raiza.Brandã. Peres, M.R. Simões-Silva, P.B. da Silva, D. da Gama Jaen Batista, Cristiane.Franç. da Silva, A.N.S. da Gama, T.R. Krishna Reddy, M. de Nazaré Correia Soeiro, Identification of Pyrazolo[3,4-e][1,4]thiazepin based CYP51 inhibitors as potential Chagas disease therapeutic alternative: *In vitro* and *in vivo* evaluation, binding mode prediction and SAR exploration, *European Journal of Medicinal Chemistry* (2018), doi: 10.1016/j.ejmech.2018.02.020.

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.



Identification of Pyrazolo[3,4-e][1,4]thiazepin based CYP51 inhibitors as potential Chagas disease therapeutic alternative: *In vitro* and *in vivo* evaluation, binding mode prediction and SAR exploration

Ludmila Ferreira de Almeida Fiuza¹, Raiza Brandão Peres¹, Marianne Rocha Simões-Silva¹, Patricia Bernardino da Silva¹, Denise da Gama Jaen Batista¹, Cristiane França da Silva¹, Aline Nefertiti Silva da Gama¹, Tummala Rama Krishna Reddy² and Maria de Nazaré Correia Soeiro*¹

¹ Laboratório de Biologia Celular, Instituto Oswaldo Cruz, Fundação Oswaldo Cruz, Rio de Janeiro, Rio de Janeiro, Brazil.

² School of Health, Sport and Bioscience, College of Applied Health and Communities, University of East London, Stratford campus, Water Lane, UK.

* Corresponding author at Av. Brasil, 4365 Manguinhos, Rio de Janeiro, Brazil. Phone: 55 21 2562-1368; fax: 055 21 2598-4577

Email address: soeiro@ioc.fiocruz.br (M.N.C. Soeiro)

Running title: Pyrazolo[3,4-e][1,4]thiazepin activity against *T. cruzi*

Download English Version:

<https://daneshyari.com/en/article/7796706>

Download Persian Version:

<https://daneshyari.com/article/7796706>

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