

Cholecalciferol counteracts depressive-like behavior and oxidative stress induced by repeated corticosterone treatment in mice

Anderson Camargo, Ana Paula Dalmagro, Lucas Rikel, Elizia Barbosa da Silva, Kathryn Ana Bortolini Simão da Silva, Ana Lúcia Bertarello Zeni



PII: S0014-2999(18)30369-8
DOI: <https://doi.org/10.1016/j.ejphar.2018.07.002>
Reference: EJP71867

To appear in: *European Journal of Pharmacology*

Received date: 12 March 2018
Revised date: 24 May 2018
Accepted date: 2 July 2018

Cite this article as: Anderson Camargo, Ana Paula Dalmagro, Lucas Rikel, Elizia Barbosa da Silva, Kathryn Ana Bortolini Simão da Silva and Ana Lúcia Bertarello Zeni, Cholecalciferol counteracts depressive-like behavior and oxidative stress induced by repeated corticosterone treatment in mice, *European Journal of Pharmacology*, <https://doi.org/10.1016/j.ejphar.2018.07.002>

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 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.

Cholecalciferol counteracts depressive-like behavior and oxidative stress induced by repeated corticosterone treatment in mice

Anderson Camargo^a, Ana Paula Dalmagro^{a,b}, Lucas Rikel^a, Elizia Barbosa da Silva^c, Kathryn Ana Bortolini Simão da Silva^a, Ana Lúcia Bertarello Zeni^{a*}

^aLaboratório de Avaliação de Substâncias Bioativas, Departamento de Ciências Naturais, Universidade Regional de Blumenau, CEP 89030-903, Blumenau, Santa Catarina, Brazil

^bPrograma de Pós-Graduação em Química, Departamento de Química, Universidade Regional de Blumenau, CEP 89030-903, Blumenau, Santa Catarina, Brazil

^cLaboratório de Anatomia Patológica, Departamento de Medicina, Universidade Regional de Blumenau, CEP 89030-000, Blumenau, Santa Catarina, Brazil

*Corresponding author: Departamento de Ciências Naturais, Universidade Regional de Blumenau, Campus I –89012-900, Blumenau, SC, Brazil, Tel.: +55 47 3321-0116; fax: +55 47 3321-0231 , anazeni@furb.br , zeniana@gmail.com

Abstract

Depression is one of the most frequent neuropsychiatric diseases in the western world and its physiological causes are not yet fully understood. Since the available antidepressants failed to provide a complete illness remission, the diversification of the therapy in the management of depression could be a useful contribution. The present study aimed to investigate the cholecalciferol capability to revert depressive-like behavior induced by chronic corticosterone (CORT) treatment in mice and its implication on the oxidative stress modulation. Sixty

Download English Version:

<https://daneshyari.com/en/article/8529013>

Download Persian Version:

<https://daneshyari.com/article/8529013>

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