

Accepted Manuscript

cis-4-Decenoic and decanoic acids impair mitochondrial energy, redox and Ca^{2+} homeostasis and induces mitochondrial permeability transition pore opening in rat brain and liver: Possible implications for the pathogenesis of MCAD deficiency

Alexandre Umpierrez Amaral, Cristiane Cecatto, Janaína Camacho da Silva, Alessandro Wajner, Kálita dos Santos Godoy, Rafael Teixeira Ribeiro, Moacir Wajner

PII: S0005-2728(16)30558-8
DOI: doi: [10.1016/j.bbabbio.2016.05.007](https://doi.org/10.1016/j.bbabbio.2016.05.007)
Reference: BBABIO 47692

To appear in: *BBA - Bioenergetics*

Received date: 23 March 2016
Revised date: 17 May 2016
Accepted date: 25 May 2016



Please cite this article as: Alexandre Umpierrez Amaral, Cristiane Cecatto, Janaína Camacho da Silva, Alessandro Wajner, Kálita dos Santos Godoy, Rafael Teixeira Ribeiro, Moacir Wajner, cis-4-Decenoic and decanoic acids impair mitochondrial energy, redox and Ca^{2+} homeostasis and induces mitochondrial permeability transition pore opening in rat brain and liver: Possible implications for the pathogenesis of MCAD deficiency, *BBA - Bioenergetics* (2016), doi: [10.1016/j.bbabbio.2016.05.007](https://doi.org/10.1016/j.bbabbio.2016.05.007)

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.

cis-4-Decenoic and decanoic acids impair mitochondrial energy, redox and Ca^{2+} homeostasis and induces mitochondrial permeability transition pore opening in rat brain and liver: possible implications for the pathogenesis of MCAD deficiency

Alexandre Umpierrez Amaral¹, Cristiane Cecatto¹, Janaína Camacho da Silva¹, Alessandro Wajner¹, Kálita dos Santos Godoy¹, Rafael Teixeira Ribeiro¹, Moacir Wajner^{1,2*}

¹Departamento de Bioquímica, Instituto de Ciências Básicas da Saúde, Universidade Federal do Rio Grande do Sul, Porto Alegre, RS, Brazil

²Serviço de Genética Médica, Hospital de Clínicas de Porto Alegre, Porto Alegre, RS, Brazil

***Corresponding author:** Moacir Wajner, Departamento de Bioquímica, Instituto de Ciências Básicas da Saúde, Universidade Federal de Rio Grande do Sul, Rua Ramiro Barcelos, 2600 – Anexo, CEP 90035-003, Porto Alegre, RS – Brazil. Phone: +55 51 3308-5571, fax: +55 51 3308-5540, e-mail: mwajner@ufrgs.br

Download English Version:

<https://daneshyari.com/en/article/10795227>

Download Persian Version:

<https://daneshyari.com/article/10795227>

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