

Accepted Manuscript

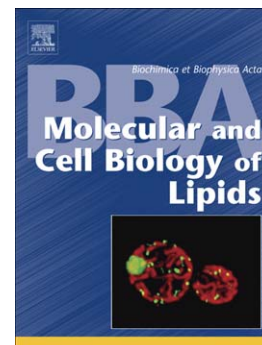
Docosahexaenoyl Serotonin, an endogenously formed n-3 fatty acid-serotonin conjugate has anti-inflammatory properties by attenuating IL-23–IL-17 signalling in macrophages

Mieke Poland, Jean Paul ten Klooster, Zheng Wang, Raymond Pieters, Mark Boekschoten, Renger Witkamp, Jocelijn Meijerink

PII: S1388-1981(16)30249-9
DOI: doi:[10.1016/j.bbalip.2016.09.012](https://doi.org/10.1016/j.bbalip.2016.09.012)
Reference: BBAMCB 58050

To appear in: *BBA - Molecular and Cell Biology of Lipids*

Received date: 8 April 2016
Revised date: 24 August 2016
Accepted date: 16 September 2016



Please cite this article as: Mieke Poland, Jean Paul ten Klooster, Zheng Wang, Raymond Pieters, Mark Boekschoten, Renger Witkamp, Jocelijn Meijerink, Docosahexaenoyl Serotonin, an endogenously formed n-3 fatty acid-serotonin conjugate has anti-inflammatory properties by attenuating IL-23–IL-17 signalling in macrophages, *BBA - Molecular and Cell Biology of Lipids* (2016), doi:[10.1016/j.bbalip.2016.09.012](https://doi.org/10.1016/j.bbalip.2016.09.012)

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.

Docosahexaenoyl Serotonin, an endogenously formed n-3 fatty acid-serotonin conjugate has anti-inflammatory properties by attenuating IL-23–IL-17 signalling in macrophages

Mieke Poland^{1*}, Jean Paul ten Klooster^{3*}, Zheng Wang^{1,2}, Raymond Pieters³, Mark Boekschoten¹, Renger Witkamp¹, Jocelijn Meijerink¹

*both authors share first authorship

¹Division of Human Nutrition, Wageningen University, PO Box 17, 6700 AA Wageningen, The Netherlands. Electronic address: jocelijn.meijerink@wur.nl; mieke.poland@wur.nl; renger.witkamp@wur.nl; mark.boekschoten@wur.nl

² Present address: Zheng Wang, College of Bioscience and Biotechnology, Hunan Agricultural University, 410128, Changsha, Hunan, China. Electronic address: wz8918@163.com

³ Institute for Life Sciences & Chemistry, Utrecht University of Applied Sciences, Utrecht, The Netherlands. Electronic address: jeanpaul.tenklooster@hu.nl; raymond.pieters@hu.nl

Address correspondence to:

Jocelijn Meijerink, Division of Human Nutrition, Wageningen University, PO Box 17, 6700 AA Wageningen, The Netherlands. Email: jocelijn.meijerink@wur.nl

Short title : DHA-5-HT suppresses IL-23 signalling

Keywords: Acyl serotoninines; DHA; DHA-5-HT; Nrf2; Intestine; Endocannabinoids

Download English Version:

<https://daneshyari.com/en/article/5508537>

Download Persian Version:

<https://daneshyari.com/article/5508537>

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