

# Accepted Manuscript

Design, synthesis and biological evaluation of hybrid nitroxide-based non-steroidal anti-inflammatory drugs

Komba Thomas, Terry W. Moody, Robert T. Jensen, Jason Tong, Cassie L. Rayner, Nigel L. Barnett, Kathryn E. Fairfull-Smith, Lisa A. Ridnour, David A. Wink, Steven E. Bottle

PII: S0223-5234(18)30096-5

DOI: [10.1016/j.ejmech.2018.01.077](https://doi.org/10.1016/j.ejmech.2018.01.077)

Reference: EJMECH 10154

To appear in: *European Journal of Medicinal Chemistry*

Received Date: 30 November 2017

Revised Date: 15 January 2018

Accepted Date: 23 January 2018

Please cite this article as: K. Thomas, T.W. Moody, R.T. Jensen, J. Tong, C.L. Rayner, N.L. Barnett, K.E. Fairfull-Smith, L.A. Ridnour, D.A. Wink, S.E. Bottle, Design, synthesis and biological evaluation of hybrid nitroxide-based non-steroidal anti-inflammatory drugs, *European Journal of Medicinal Chemistry* (2018), doi: 10.1016/j.ejmech.2018.01.077.

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.



# Design, Synthesis and Biological Evaluation of Hybrid Nitroxide-Based Non-Steroidal Anti-inflammatory Drugs

*Komba Thomas<sup>1</sup>, Terry W. Moody<sup>2</sup>, Robert T. Jensen<sup>2</sup>, Jason Tong<sup>3</sup>, Cassie L Rayner<sup>3</sup>, Nigel L Barnett<sup>3,4</sup>, Kathryn E. Fairfull-Smith<sup>1</sup>, Lisa A. Ridnour<sup>2</sup>, David A. Wink<sup>2</sup> and Steven E. Bottle<sup>1</sup>*

<sup>1</sup>School of Chemistry, Physics and Mechanical Engineering, Queensland University of Technology, (QUT) GPO Box 2434, Brisbane, QLD 4001, Australia

<sup>2</sup>Center for Cancer Research, National Cancer Institute, Cancer and Inflammation Program, Frederick, MD 21702-1201, USA

<sup>3</sup>Queensland Eye Institute, South Brisbane, Queensland, Australia

<sup>4</sup>The University of Queensland, UQ Centre for Clinical Research, Herston, Queensland, Australia

**Keywords:** Antioxidants/ Inflammation/ Cyclooxygenase/ Dual-Action/ Nitroxides/ A549 Non-Small Cell Lung Cancer/ NSAID/ Oxidative Stress/ Retina/ Photoreceptors/ Pharmacophore Hybridization/ Reactive Oxygen Species

Download English Version:

<https://daneshyari.com/en/article/7796757>

Download Persian Version:

<https://daneshyari.com/article/7796757>

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