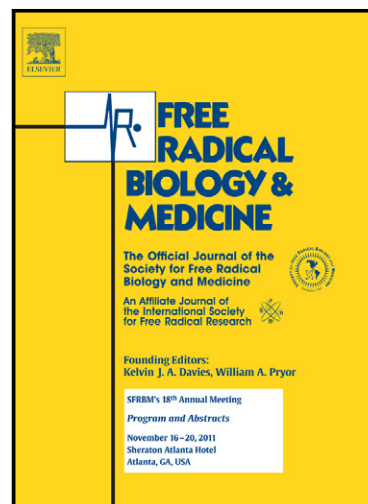


Author's Accepted Manuscript

Low micromolar Concentrations of the superoxide probe MitoSOX uncouple neural mitochondria and inhibit complex IV

Brian A. Roelofs, Shealina X. Ge, Paige E. Studlack, Brian M. Polster



www.elsevier.com/locate/freerad-biomed

PII: S0891-5849(15)00255-5
DOI: <http://dx.doi.org/10.1016/j.freeradbiomed.2015.05.032>
Reference: FRB12447

To appear in: *Free Radical Biology and Medicine*

Cite this article as: Brian A. Roelofs, Shealina X. Ge, Paige E. Studlack, Brian M. Polster, Low micromolar Concentrations of the superoxide probe MitoSOX uncouple neural mitochondria and inhibit complex IV, *Free Radical Biology and Medicine*, <http://dx.doi.org/10.1016/j.freeradbiomed.2015.05.032>

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.

**Low Micromolar Concentrations of the Superoxide Probe MitoSOX Uncouple
Neural Mitochondria and Inhibit Complex IV**

Brian A. Roelofs^{1,2*}, Shealinna X. Ge^{1*}, Paige E. Studlack³, and Brian M. Polster^{1,2,3}

¹Department of Anesthesiology and Center for Shock, Trauma and Anesthesiology Research (STAR), ²Department of Biochemistry and Molecular Biology, ³Program in Neuroscience, University of Maryland School of Medicine, Baltimore, MD, U.S.A.

* These authors contributed equally

Address correspondence to:

Brian M. Polster

Department of Anesthesiology

University of Maryland School of Medicine

685 W. Baltimore St., MSTF 5-34

Baltimore, MD 21201, USA

phone: 1-410-706-3418

fax: 1-410-706-2550

e-mail: bpolster@anes.umm.edu

Download English Version:

<https://daneshyari.com/en/article/8269004>

Download Persian Version:

<https://daneshyari.com/article/8269004>

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