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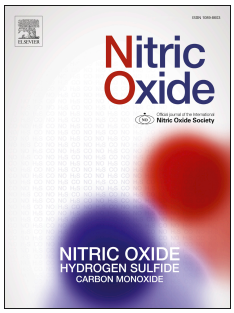

Nitro-fatty acid formation and metabolism

Gregory R. Buchan, Gustavo Bonacci, Marco Fazzari, Sonia Salvatore, Stacy Gelhaus Wendell

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Title: Nitro-fatty acid Formation and Metabolism

Gregory R. Buchan[1,*], Gustavo Bonacci[2,*], Marco Fazzari[1,3], Sonia Salvatore[1], Stacy Gelhaus Wendell[1]

1 Department of Pharmacology & Chemical Biology, University of Pittsburgh, Pittsburgh, PA 15261, USA

2. CIBICI – CONICET, Departamento de Bioquímica Clínica Facultad de Ciencias Químicas (U.N.C.) Haya de la Torre y Medina Allende Ciudad Universitaria, Córdoba C.P. Nº. X5000HUA, República Argentina

3. Fondazione Ri.MED, Via Bandiera 11, 90133 Palermo, Italy

4. Clinical Translational Science Institute, University of Pittsburgh, Pittsburgh, PA 15261, USA

* Co-first authors

Abstract

Nitro-fatty acids (NO_2-FA) are pleiotropic modulators of redox signaling pathways. Their effects on inflammatory signaling have been studied in great detail in cell, animal and clinical models primarily using exogenously administered nitro-oleic acid. While we know a great deal about their signaling, endogenous NO_2-FA formation and metabolism is relatively unexplored. This review will cover what is currently known regarding proposed mechanisms of formation, dietary modulation of endogenous NO_2-FA levels, and pathways of metabolism and detection of NO_2FA and corresponding metabolites.

Corresponding Author: Stacy Gelhaus Wendell
200 Lothrop Street, E1340
Pittsburgh, PA 15261
gstacy@pitt.edu

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