

Accepted Manuscript

Synthesis and biological evaluation of novel heteroring-annulated pyrrolino-tetrahydroberberine analogues as antioxidant agents

Giacomo Mari, Simona Catalani, Elena Antonini, Lucia De Crescentini, Fabio Mantellini, Stefania Santeusano, Paolo Lombardi, Antonella Amicucci, Serafina Battistelli, Serena Benedetti, Francesco Palma

PII: S0968-0896(18)31181-7
DOI: <https://doi.org/10.1016/j.bmc.2018.08.038>
Reference: BMC 14525

To appear in: *Bioorganic & Medicinal Chemistry*

Received Date: 27 June 2018
Revised Date: 28 August 2018
Accepted Date: 30 August 2018

Please cite this article as: Mari, G., Catalani, S., Antonini, E., De Crescentini, L., Mantellini, F., Santeusano, S., Lombardi, P., Amicucci, A., Battistelli, S., Benedetti, S., Palma, F., Synthesis and biological evaluation of novel heteroring-annulated pyrrolino-tetrahydroberberine analogues as antioxidant agents, *Bioorganic & Medicinal Chemistry* (2018), doi: <https://doi.org/10.1016/j.bmc.2018.08.038>

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.



Synthesis and biological evaluation of novel heteroring-annulated pyrrolino-tetrahydroberberine analogues as antioxidant agents.

Giacomo Mari^a, Simona Catalani^b, Elena Antonini^c, Lucia De Crescentini^a, Fabio Mantellini^a, Stefania Santeusanio^a, Paolo Lombardi^d, Antonella Amicucci^c, Serafina Battistelli^b, Serena Benedetti^{*b}, Francesco Palma^{*c}.

^aSection of Organic Chemistry and Organic Natural Products, Department of Biomolecular Sciences, University of Urbino “Carlo Bo”, Via I Maggetti 24, 61029 Urbino, Italy.

^bSection of Clinical Biochemistry and Molecular Genetics, Department of Biomolecular Sciences, University of Urbino “Carlo Bo”, Via Ottaviano Ubaldini 7, 61029 Urbino, Italy.

^cSection of Biochemistry and Molecular Biology, Department of Biomolecular Sciences, University of Urbino “Carlo Bo”, Via Saffi 2, 61029 Urbino, Italy.

^dNaxospharma, Via Giuseppe di Vittorio 70, 20026 Novate Milanese, Italy.

***Corresponding authors:**

Serena Benedetti

Section of Clinical Biochemistry and Molecular Genetics,
Department of Biomolecular Sciences, University of Urbino “Carlo Bo”,
Via Ottaviano Ubaldini, 5 – 61029 Urbino (PU), Italy
Tel/Fax +39 0722 304623/304625 – Mail: serena.benedetti@uniurb.it

Francesco Palma

Section of Biochemistry and Molecular Biology,
Department of Biomolecular Sciences, University of Urbino “Carlo Bo”,
Via Aurelio Saffi, 2 – 61029 Urbino (PU), Italy
Tel: +39 0722 303801 – Mail: francesco.palma@uniurb.it

Download English Version:

<https://daneshyari.com/en/article/11008984>

Download Persian Version:

<https://daneshyari.com/article/11008984>

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