

Accepted Manuscript

Synthesis, antimalarial activities and cytotoxicities of amino-artemisinin-1,2-disubstituted ferrocene hybrids

Christo de Lange, Dina Coertzen, Frans J. Smit, Johannes F. Wentzel, Ho Ning Wong, Lyn-Marie Birkholtz, Richard K. Haynes, David D. N'Da

PII: S0960-894X(18)30713-3
DOI: <https://doi.org/10.1016/j.bmcl.2018.08.037>
Reference: BMCL 26017

To appear in: *Bioorganic & Medicinal Chemistry Letters*

Received Date: 28 June 2018
Revised Date: 20 August 2018
Accepted Date: 27 August 2018

Please cite this article as: de Lange, C., Coertzen, D., Smit, F.J., Wentzel, J.F., Wong, H.N., Birkholtz, L-M., Haynes, R.K., N'Da, D.D., Synthesis, antimalarial activities and cytotoxicities of amino-artemisinin-1,2-disubstituted ferrocene hybrids, *Bioorganic & Medicinal Chemistry Letters* (2018), doi: <https://doi.org/10.1016/j.bmcl.2018.08.037>

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.

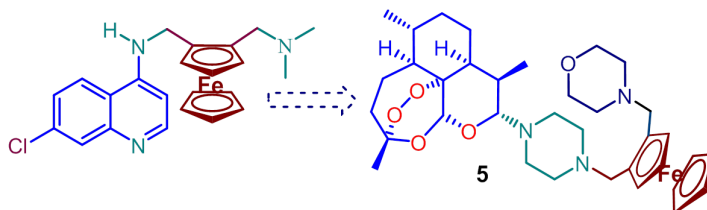


Graphical Abstract

Synthesis, in vitro antimalarial activities and cytotoxicities of amino-artemisinin-1,2-disubstituted ferrocene hybrids

Leave this area blank for abstract info.

Christo de Lange, Dina Coertzen, Frans J. Smit, Johannes F. Wentzel, Ho Ning Wong, Lyn-Marie Birkholtz, Richard K. Haynes* and David D. N'Da*

***P. falciparum* blood stage:**asexual IC₅₀ nM NF54 3.3

K1 0.8; W2 1.4

sexual %inhib. at 100 nM:

NF54 87-99%

Cytotoxicity: IC₅₀ μM

Hek293 1.0; A375 1.0

Download English Version:

<https://daneshyari.com/en/article/11016002>

Download Persian Version:

<https://daneshyari.com/article/11016002>

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