

Pharmacological activity of *Curarea toxicofera* in combination with classical antimalarial treatments

Yinneth Victoria Rodríguez, Maria Helena Arias, José Octavio García, Eric Deharo, Giovanny Garavito



PII: S0378-8741(17)34665-2
DOI: <https://doi.org/10.1016/j.jep.2018.04.008>
Reference: JEP11303

To appear in: *Journal of Ethnopharmacology*

Received date: 24 December 2017
Revised date: 26 March 2018
Accepted date: 3 April 2018

Cite this article as: Yinneth Victoria Rodríguez, Maria Helena Arias, José Octavio García, Eric Deharo and Giovanny Garavito, Pharmacological activity of *Curarea toxicofera* in combination with classical antimalarial treatments, *Journal of Ethnopharmacology*, <https://doi.org/10.1016/j.jep.2018.04.008>

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.

Pharmacological activity of *Curarea toxicofera* in combination with classical antimalarial treatments

Yinneth Victoria Rodríguez^a, Maria Helena Arias^a, José Octavio García^b, Eric Deharo^c, Giovanni Garavito^{a*}

^aUniversidad Nacional de Colombia, Sede Bogotá, Facultad de Ciencias, Departamento de Farmacia, FaMeTra research group (traditional and Popular medicine Pharmacology); Carrera 30 45-03, Bogotá D.C. 111311, Colombia.

^bHuitoto representative, Km 7 Via Leticia Tarapaca, Comunidad Ciudad Hitoma, Leticia, Colombia.

^cInstitut de Recherche pour le développement, IRD Représentation Ban Naxay, Saysettha District. P.O. Box 5992, Vientiane, Lao PDR.

*Corresponding author. Tel.: +573003217098. ggaravitoc@unal.edu.co

Abstract:

Ethnopharmacological relevance

In the Leticia-Amazonas area, Uitoto indigenous people use a preparation of *Curarea toxicofera* (Wedd) Barneby & Krukoff (Menispermaceae) combined with prescribed medications to prevent and treat malaria.

Aim of study

To determine the *in vitro* and *in vivo* antiplasmodial activity of traditional preparations of *Curarea toxicofera* alone and in combination with classical antimalarials.

Material and Methods

The traditional preparation was evaluated *in vitro* against *P. falciparum* FCR3 CQ resistant strain, alone and combined. The preparation was further administered orally alone or combined with chloroquine and artesunate in mice infected with chloroquine resistant *Plasmodium berghei* ANKA strain on the four-day antimalarial test model.

Results

Download English Version:

<https://daneshyari.com/en/article/8532218>

Download Persian Version:

<https://daneshyari.com/article/8532218>

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