

Author's Accepted Manuscript

Flavonoids, gallotannins and ellagitannins in *Syzygium guineense* and the traditional use among Malian healers

Thuy Lan Nguyen, Anders Rusten, Mona Skogsrud Bugge, Karl Egil Malterud, Drissa Diallo, Berit Smestad Paulsen, Helle Wangensteen



PII: S0378-8741(16)30876-5
DOI: <http://dx.doi.org/10.1016/j.jep.2016.09.035>
Reference: JEP10435

To appear in: *Journal of Ethnopharmacology*

Received date: 4 April 2016
Revised date: 18 August 2016
Accepted date: 16 September 2016

Cite this article as: Thuy Lan Nguyen, Anders Rusten, Mona Skogsrud Bugge Karl Egil Malterud, Drissa Diallo, Berit Smestad Paulsen and Helle Wangensteen, Flavonoids, gallotannins and ellagitannins in *Syzygium guineense* and the traditional use among Malian healers, *Journal of Ethnopharmacology* <http://dx.doi.org/10.1016/j.jep.2016.09.035>

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.

Flavonoids, gallotannins and ellagitannins in *Syzygium guineense* and the traditional use among Malian healers

Thuy Lan Nguyen^a, Anders Rusten^a, Mona Skogsrud Bugge^a, Karl Egil Malterud^a, Drissa Diallo^b, Berit Smestad Paulsen^a, Helle Wangensteen^{a*}

^a Department of Pharmaceutical Chemistry, Section Pharmacognosy, School of Pharmacy, University of Oslo. P. O. Box 1068 Blindern, N-0316 Oslo, Norway

^b Department of Traditional Medicine, BP 1746, Bamako, Mali

*Corresponding author. Tel: +4722856567; fax: +4722854402. helle.wangensteen@farmasi.uio.no

Abstract

Ethnopharmacological relevance

Syzygium guineense has been traditionally used in Mali in West Africa for the treatment of different diseases such as stomach problems, wounds, inflammations and various female disorders.

Aims of the study

1) To perform an ethnopharmacological survey on the traditional use of *S. guineense* among Malian healers. 2) To isolate and identify chemical constituents from *S. guineense* leaves and to study their radical scavenging and enzyme inhibitory effects.

Materials and methods

In four different districts in Mali, 44 healers were interviewed about their medicinal use of *S. guineense*. A methanol extract of the leaves of this tree was prepared and further fractionated using different chromatographic methods. Isolated compounds were identified by 1D and 2D NMR spectroscopy. Extracts and isolated compounds were investigated as DPPH radical

Download English Version:

<https://daneshyari.com/en/article/8532728>

Download Persian Version:

<https://daneshyari.com/article/8532728>

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