

The chemical composition of Amazonian plants(*)

A Catalogue, edited by Setor de Fitoquímica, INPA, Manaus, Amazonas

FAMILY

MYRISTICACEAE

SPECIES

Viroia minutiflora Ducke
V. elongata (Spr. ex Benth.) Warb.

OCCURRENCE : Santarém, Pará
Madeira River, Amazonas

TRUNK WOOD :

Sitosterol

1-(2-Hydroxy-4-methoxyphenyl)-3-(3,4-methylenedioxyphenyl)-propane (virolane) [1,2]

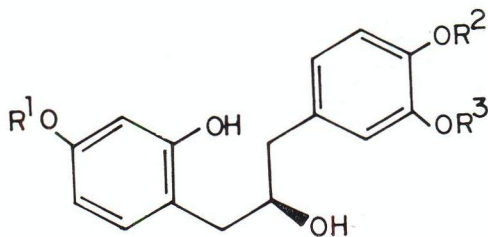
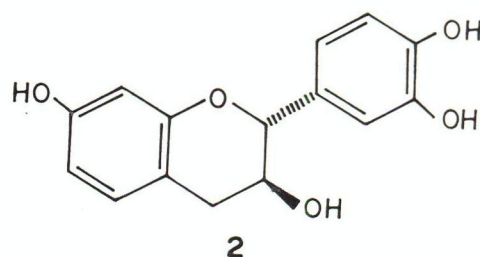
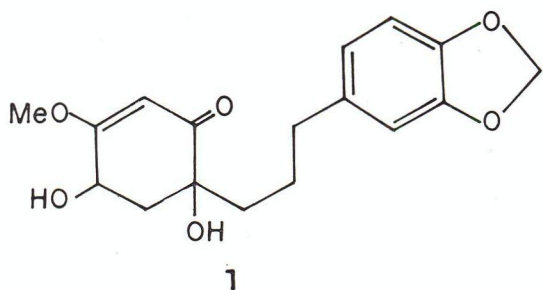
1-(1,5-Dihydroxy-4-methoxycyclohex-3-en-2-one)-3-(3,4-methylenedioxyphenyl)-propane (virolaflo-
rine, 1) [1]

(2R)-2-Hydroxy-1-(2-hydroxy-4-methoxyphenyl)-3-(3,4-methylenedioxyphenyl)-propane (virolanol,
a) [1,2]

(2R)-2-Hydroxy-1-(2,4-dihydroxyphenyl)-3-(4-hydroxy-3-methoxyphenyl)-propane (virolanol, B,
3b) [1,2]

(2R)-2-Hydroxy-1-(2-hydroxy-4-methoxyphenyl)-3-(4-hydroxy-3-methoxyphenyl)-propane (virola-
nol C, 3c) [1,2]

(2R, 3S)-7,3',4'-Trihydroxyflavan-3-ol (fisetinidol, 2) [1,2]



- 3a $R^1 = \text{Me}$ $R^2 - R^3 = \text{CH}_2$
3b $R^1 = R^2 = \text{H}$ $R^3 = \text{Me}$
3c $R^1 = R^3 = \text{Me}$ $R^2 = \text{H}$

REFERENCES :

1. Anake Kijjoa, Astrea M. Giesbrecht, Otto R. Gottlieb and Hugo E. Gottlieb (1981) *Phytochemistry* 20 (6) : 1385-1388.
2. Braz F^o, R., Leite, M.F. Frota and Gottlieb, O.R. (1973) *Phytochemistry* 12:417-418.

(*) — Contributions to this catalogue, which will be continued in subsequent issues of this Journal, are invited, and should be submitted to address above.

FAMILY

SPECIES

GUTTIFERAE

Vismia cayennensis (Jacq.) Pers.
V. japurensis Reich.*

OCCURRENCE : Manaus, Amazonas
 Minas Gerais *

TRUNK WOOD :

Sitosterol

 β -Amyrin

Ácido betulínico

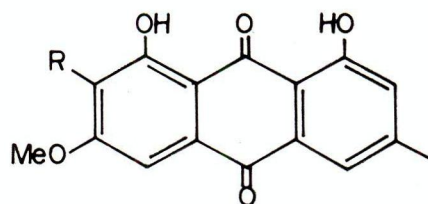
1,8-Dihydroxy-3-methyl-6-methoxyanthraquinone (physcion) 1a

Friedelin

Friedelan-3 β -ol

7-(trans-3-methyl-1-butenyl)-physcion (vismiaquinone) 1b

7-(3-methyl-2-oxobutyl)-physcion (vismiaquinone B) 1c



1a R = H

1b R = CH = CH . CHMe₂1c R = CH₂ . CO . CHMe₂

REFERENCE :

Maria do Carmo M. Miraglia, Antonio A. L. Mesquita, M. de Jesus C. Varejão, Otto R. Gottlieb and Hugo E. Gottlieb (1981) *Phytochemistry* 20 (8) : 2041-2042.