

# The chemical composition of Amazonian plants(\*)

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

FAMILY:  
Leguminosae-Caesalpinioideae

SPECIES:  
*Aldina heterophylla* Bth.  
"Macucu"

OCCURRENCE: Manaus, Amazonas

TRUNK WOOD:

Sitosterol

(+)-Maackiain [(6aS,11aS)-3-hydroxy-8,9-methylenedioxypterocarpan]

(±)-Maackiain

(±)-Demethylhomopterocarpan (3-hydroxy-9-methoxypterocarpan)

REFERENCE:

Braz Filho, R., Gottlieb, O. R., Lamêgo Vieira Pinho, S., Queiroz Monte, F. J. and da Rocha, A. I. (1973) *Phytochemistry* 12, 1184.

FAMILY:

Guttiferae

SPECIES:

*Tovomita macrophylla* (Pl. et Tr.) Walp.

OCCURRENCE: Manaus, Amazonas

TRUNK WOOD:

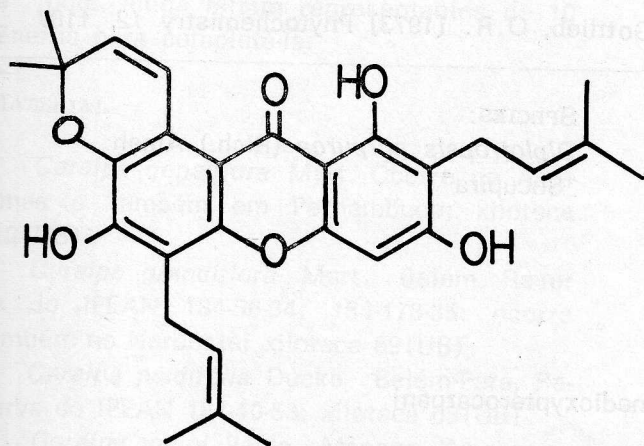
Sitosterol

B-Amyrin

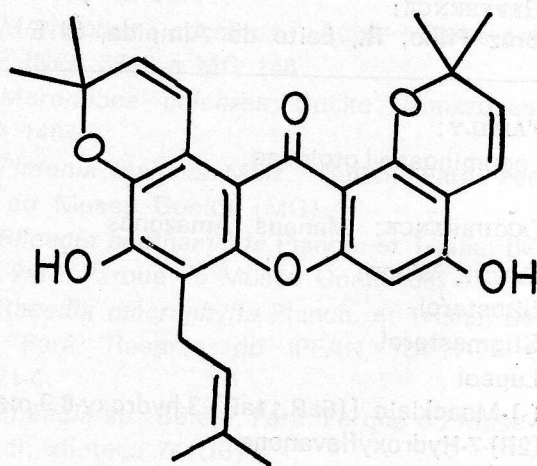
Betulinic acid

Tovophyllin-A [1,3,6-trihydroxy-2,5-diprenyl-6',6'-dimethylpyrano (2',3':7,8) xanthone] (I)

Tovophyllin-B [3,6-dihydroxy-5-prenyl-6',6'-dimethylpyrano (2',3':1,2)-6",6"-dimethylpyrano (2",3":7,8) xanthone] (II)



(I)



(II)

REFERENCE:

Gonçalves de Oliveira, W., Gottlieb, O.R. and Lins Mesquita, A.A. (1972) *Phytochemistry* 11, 3323.

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

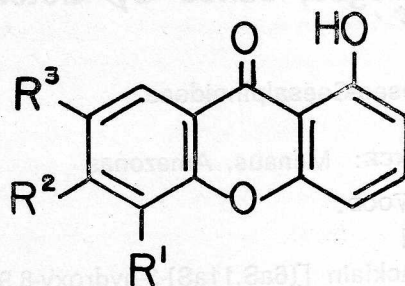
FAMILY:  
Guttiferae

SPECIES:  
*Rheedia gardneriana* Pl. et Tr  
"Bacuripari"

OCCURRENCE: Amazônia and Northeas of Brazil

TRUNK WOOD:

Lupeol  
Betulin  
Sitosterol  
1,5-Dihydroxyxanthone (I, R<sup>1</sup>=OH, R<sup>2</sup>=R<sup>3</sup>=H)  
1,7-Dihydroxyxanthone (I, R<sup>3</sup>=OH, R<sup>1</sup>=R<sup>2</sup>=H)  
1,6-Dihydroxy-5-methoxyxanthone  
(I, R<sup>1</sup>=OMe, R<sup>2</sup>=OH, R<sup>3</sup>=H)



(I)

REFERENCE:

Braz Filho, R. Cavalcante de Magalhães, G. and  
Gottlieb, O. R. (1970) *Phytochemistry* 9, 673.

FAMILY:  
Leguminosae-Lotoideae

SPECIES:  
*Dalbergia riparia* (Mart.) Bth.

OCCURRENCE: Manaus, Amazonas

TRUNK WOOD:

Tectorigenin  
(S)-4-Methoxydalbergione  
(6aS,11aS)-Demethylhomopteroicarpin  
Dalbergin  
7-Hydroxy-6-methoxy,3',4'-methylenedioxyisoflavone  
Afromosin  
Caviunin  
7-O-Glycosylcaviunin  
Tectoridin

REFERENCE:

Braz Filho, R., Leite de Almeida, M.E. and Gottlieb, O.R. (1973) *Phytochemistry* 12, 1187.

FAMILY:  
Leguminosae-Lotoideae

SPECIES:  
*Diptotropsis purpurea* (Rich.) Amsh  
"Sucupira"

OCCURRENCE: Manaus, Amazonas

TRUNK WOOD:

Sitosterol  
Stigmasterol  
Lupeol  
(-)-Maackiain [(6aR,11aR)-3-hydroxy-8,9-methylenedioxypterocarpan]  
(2R)-7-Hydroxyflavanone  
Formonetin  
Isoliquiritigenin  
Liquiritigenin

REFERENCE:

Braz Filho, R., Gottlieb, O. R., Lamêgo Vieira Pinho, S., Queiroz Monte, F. J. and da Rocha, A. I.  
(1973) *Phytochemistry* 12, 1184.