

The chemical composition of Amazonian plants^(*)

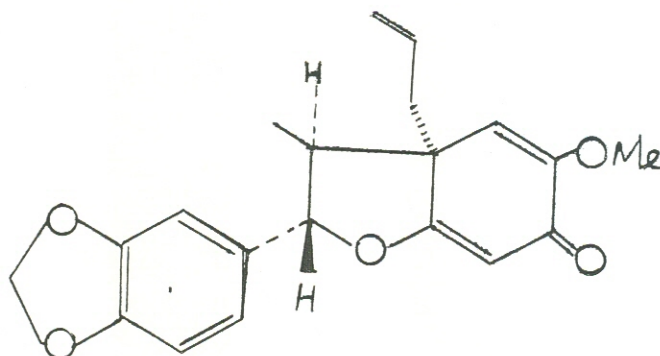
A Catalogue, edited by Setor de Fitoquímica, INPA, Manaus, Amazonas

FAMILY :
Lauraceae

SPECIE :
Aniba burchellii Kosterm.

OCCURRENCE : Amazônia

TRUNK WOOD :
benzyl benzoate
burchellin (I)



REFERENCE :

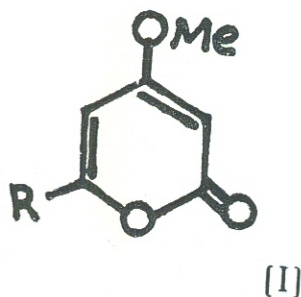
O. Araujo Lima, O. R. Gottlieb and M. Taveira Magalhães, *Phytochem*, 11, 2031 (1972).

FAMILY :
Lauraceae

SPECIE :
Aniba fragrans Ducke
"macacaporanga"

OCCURRENCE : Santarém Pará

TRUNK WOOD :
4-metoxyphenylcoumalin (I, R= phenyl)
4-methoxyparacotion (I, R= piperonyl)
anibin (I, R= -pyridyl)
linalool
benzyl benzoate



REFERENCE :

W. B. Mors, M. Taveira Magalhães and O. R. Gottlieb, *An. Assoc. brasil. Quím.*, 19, 193 (1960).

(*) — Contributions 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 :

Lauraceae

OCCURRENCE : Amazônia

TRUNK WOOD :

benzyl benzoate

benzyl salicylate

3,4-dimethoxyallylbenzene

3,4-dimethoxypropenylbenzene

o-methyleugenol

o-methylisoeugenol

REFERENCE :

M. V. von Büllow, O. R. Gottlieb, J. M. Rivera and A. I. da Rocha, XXIII
Anual Merting, S.B.P.C. (Curitiba, 1971).

SPECIE :

Aniba guianensis Aubl.

FAMILY :

Meliaceae

OCCURRENCE : Amazonas

SEEDS :

andirobin (I)

methyl angolensate (II)

7-deacetoxy-7-oxogedunin (III)

6- α -acetoxygedunin (IV)

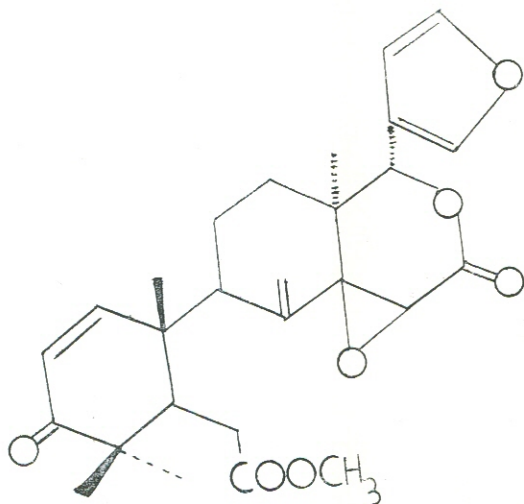
6- α -hidroxygedunin (V)

epoxyazadiradion (VI)

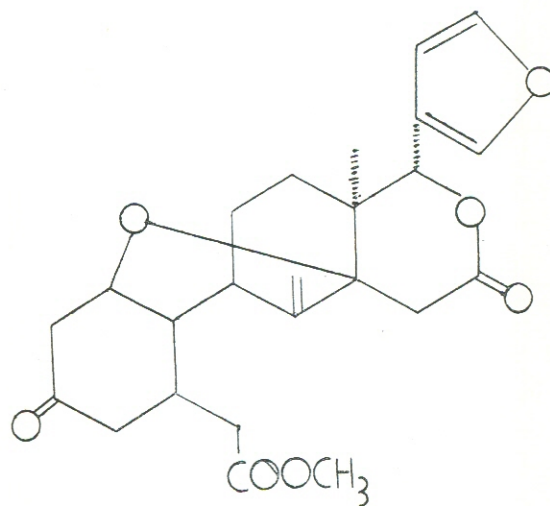
6- α -acetoxy-epoxyazadiradion (VII)

SPECIE :

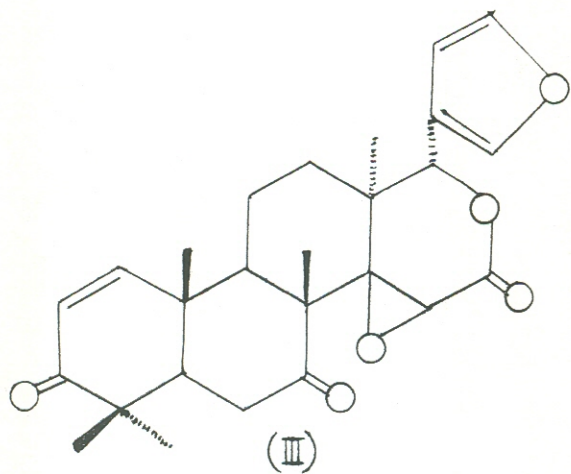
Carapa guianensis Aubl.



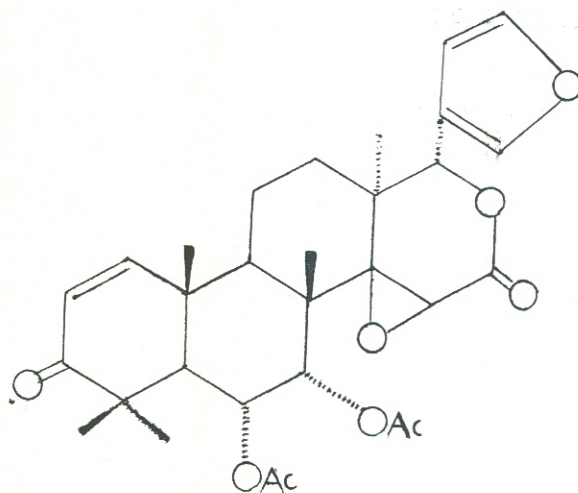
(I)



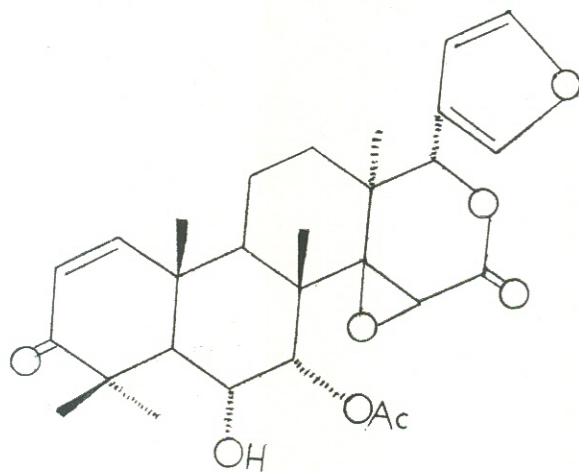
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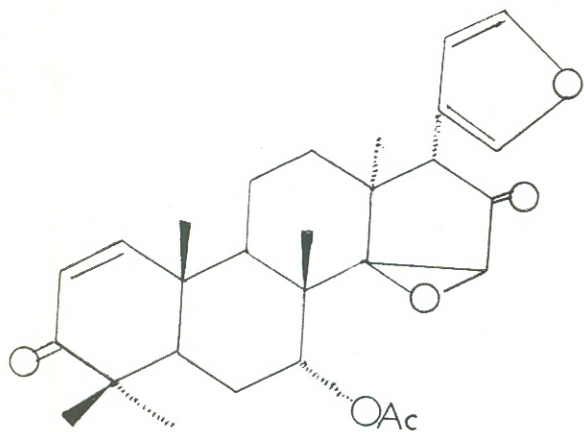
(III)



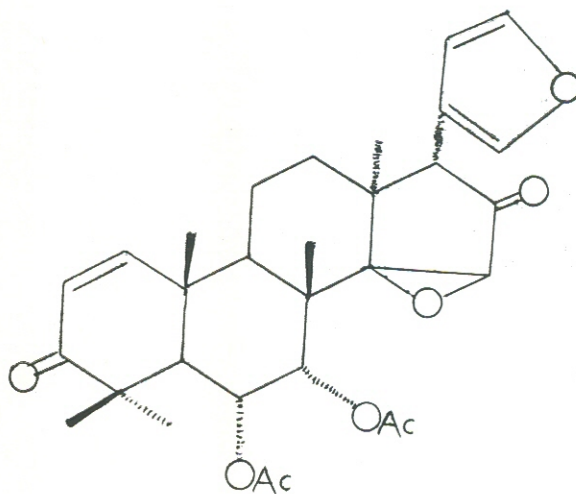
(IV)



(V)



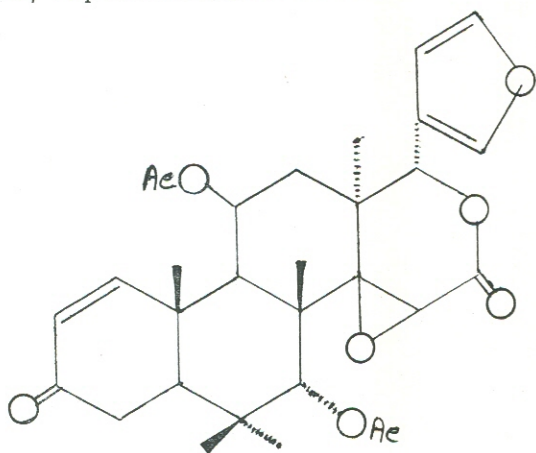
(VI)



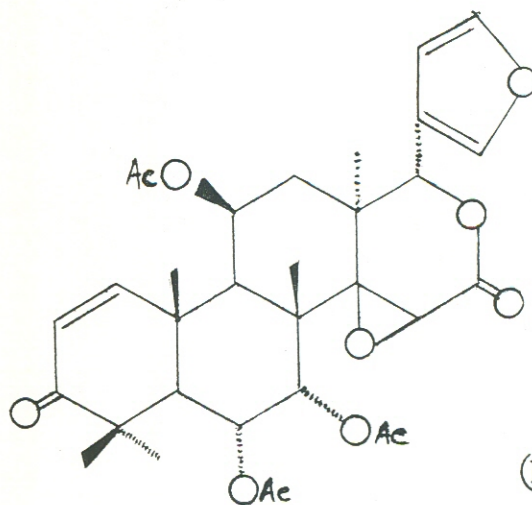
(VII)

TRUNK WOOD :

11- β -acetoxygedunin (VIII)
 6- α , 11- β -diacetoxygedunin (IX)



(VIII)



(IX)

REFERENCES :

1. W. D. Ollis, A. D. Ward, H. Meireles de Oliveira and R. Zelnik, *Tetrahedron*, 26, 1637 (1970).
2. D. Lavie, E. C. Levy and R. Zelnik, *J. Biorg. Chem.* (1972), no prelo.
3. J. D. Connolly, R. McCrindle, K. H. Overton and J. Feeney, *Tetrahedron*, 22, 891 (1966).

FAMILY :

Guttiferae

SPECIE :

Calophyllum brasiliense Camb.
 "jacareuba", "guanandi"

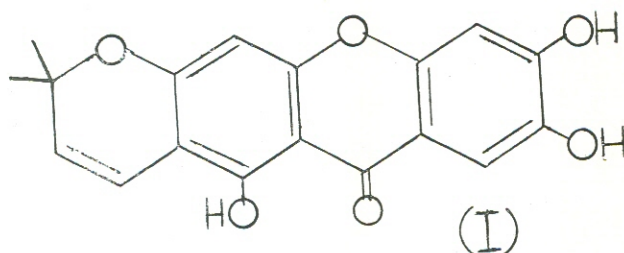
OCCURRENCE : Amazônia

TRUNK WOOD :

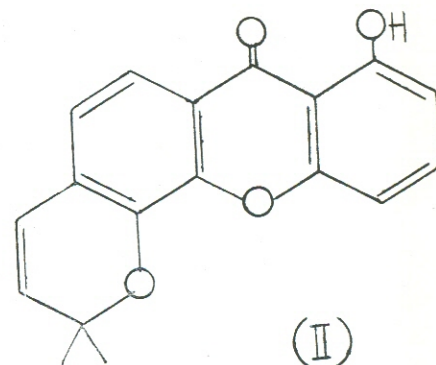
friedelin

sitosterol

guanandin | 1,5-dihydroxy-6-(3',3'-dimethylallyl)-xanthone |
 isoguanandin | 1,5-dihydroxy-8-(3',3'-dimethylallyl)-xanthone |
 6-dehydroxyjacareubin | 1,5-dihydroxy-2',2'-dimethylpyrano-(5',6':2,3)-xanthone |
 jacareubin (I)
 1-hydroxy-3,7-dimethoxyxanthone
 gentisin (1,7-dihydroxy-3-methoxyxanthone)
 4-hydroxyxanthone
 dehydrocycloguanandin (II)
 1,3-dihydroxy-5-methoxyxanthone



(I)



(II)

REFERENCE :

1. M. O. de S. Pereira, O. R. Gottlieb and M. Taveira Magalhães, *An. Acad. brasil. Ciênc.*, 38, 425 (1966).
2. M. O. de S. Pereira, O. R. Gottlieb and M. Taveira Magalhães, *An. Acad. brasil. Ciênc.*, 39, 255 (1967).
3. O. R. Gottlieb, M. Taveira Magalhães, M. O. de S. Pereira, A. A. Lins Mesquita, D. de Barros Corrêa and G. G. de Oliveira, *Tetrahedron*, 24, 1601 (1968).

FAMILY :

Myrtaceae

SPECIE :

Myrcia citrifolia (Aubl.) Urb.

OCCURRENCE : Manaus, Amazonas

LEAVES :

β -amyrin

eucalyptin (5-hydroxy-4',7-dimethoxy-6,8-dimethylflavone)

REFERENCE :

O. R. Gottlieb, M. Leão da Silva and J. G. Soares Maia, *Phytochem.*, 10, 1185 (1971).

FAMILY :

Lauraceae

SPECIE :

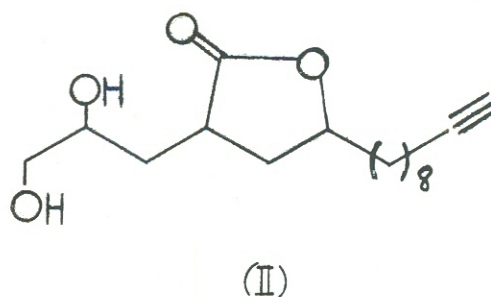
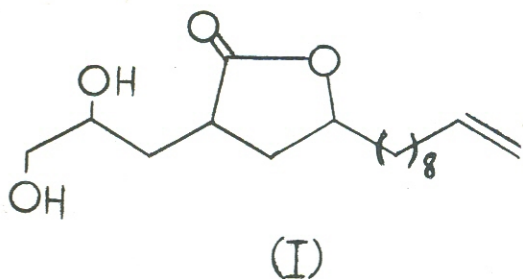
Nectandra rubra (Mez) Allen

OCCURRENCE : Manaus, Amazonas

TRUNK WOOD :

rubrenolide (I)

rubrymolide (II)



REFERENCE :

N. Cavalcanti Franca, D. Coxon, O. R. Gottlieb and W. D. Ollis, *Anais Acad. brasil. Ciênc.* 43, 123 (1971).