

The chemical composition of Amazonas plants^(*)

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

FAMILY :

Guttiferae

OCURRENCE : Manaus, Amazonas

TRUNK WOOD :

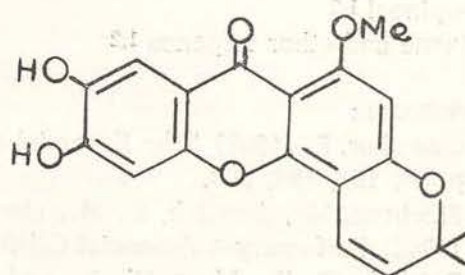
Lorostemin (I)

REFERENCE :

Braz Filho, R., Coutinho Lemos, M. de J. and
Gottlieb, O. R. (1973) *Phytochemistry* 12, 947.

SPECIES :

Lorostemon coelhoi Paula
L. negrensis Froes



(I)

FAMILY :

Lauraceae

OCURRENCE : Manaus, Amazonas.

TRUNK WOOD :

O-Methyleugenol 1

Eugenol 1

1-Nitro-2-phenylethane 1

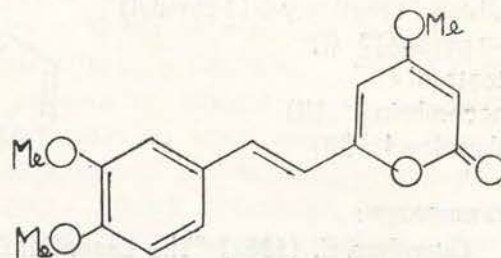
6-(3', 4'-Dimethoxy-*trans*-styryl)-4-methoxy-2-pyrone 2 (I)

REFERENCES :

1. Gottlieb, O. R. and Taveira Magalhães, M. (1959) *J. Org. Chem.* 24, 2070.
2. Andrade da Mata Rezende, C. M., von Bülow, M. V., Gottlieb, O. R. Lamêgo Vieira Pinho, S. and da Rocha, A. I. (1971) *Phytochemistry*, 10, 3167.

SPECIE :

Aniba canelilla (H.B.K.) Mez
"Casca Preciosa"



(I)

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

FAMILY :
Lauraceae

SPECIES :
Aniba duckei Kost.
"pau rosa"

OCCURRENCE : Amazônia

TRUNK WOOD :

4-Methoxyphenylcoumalin (4-methoxy-6-phenyl-2-pyrone) ⁴

4-Methoxyparacotoin (4-methoxy-6-piperonyl-2-pyrone) ³

Anibine [4-methoxy-6-(3-pyridyl)-2-pyrone] ³

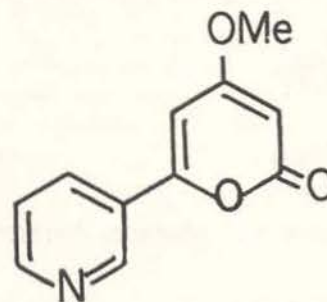
Cotoin (2,6-dihydroxy-4-methoxy-benzophenone)

Linalool ^{1,2}

1,8-Cineol ^{1,2}

∞ -Terpineol ^{1,2}

∞ -Pinene and other terpenes ^{1,2}



(I)

REFERENCES :

1. Guenther, E. (1963) "The Essential Oils" V. II, p. 54, 167, 188, 708.
2. Fineberg, M., Gottlieb, O. R., Lima Guimarães, M., Maravalhas, N. and Taveira Magalhães, M. (1964) *Perfumery & Essencial Oil Record* 55, 253.
3. Gottlieb, O. R., Mors, W. B. and Djerassi, C. (1957) *J. Am. Chem. Soc.* 79, 4507.
4. Gottlieb, O. R., Taveira Magalhães, M. and Mors, W. B. (1960) *Anais Assoc. brasil. Quim.* 19, 193.
5. Gottlieb, O. R. and Mors, W. B. (1958) *J. Am. Chem. Soc.* 80, 2263.

FAMILY :
Lauraceae

SPECIES :
Aniba rosaedora Ducke
"pau rosa"

OCCURRENCE : Amazônia

TRUNK WOOD :

4-Methoxyparacotoin (4-methoxy-6-piperonyl-2-pyrone) ³

Linalool and terpenes ¹

Anibine [4-methoxy-6-(3-pyridyl)-2-pyrone] ³ (I)

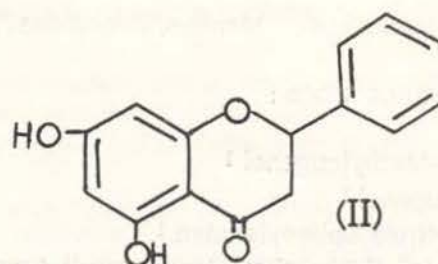
Sitosterol ³

Pinocembrin ² (II)

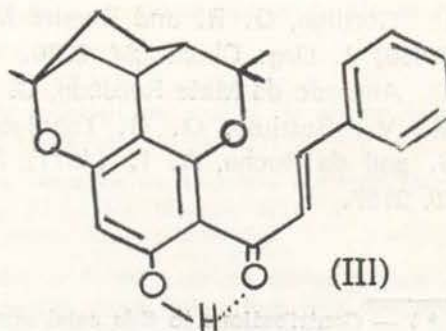
Rubranine ⁴ (III)



(I)



(II)



(III)

REFERENCES :

1. Guenther, E. (1963) "The Essential Oils" V. II, 167.
2. Gottlieb, O. R. and Mors, W. B. (1958) *J. Am. Chem. Soc.* 80, 2263.
3. Gottlieb, O. R., Taveira Magalhães, M. and Mors, W. B. (1960) *Anais Assoc. brasil. Quim.* 19, 193.
4. Combes, G., Vassort, P. L. and Winternitz, F. (1970) *Tetrahedron* 26, 5981.