

# The chemical composition of Amazonian plants(\*)

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

FAMILY :

SPECIE :

Apocynaceae

*Aspidosperma exalatum* Monach.

OCCURRENCE : Manaus (Am).

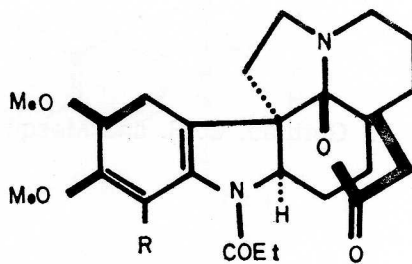
BARK :

21-oxo-O-methylaspidoalbine (I)

21-oxoaspidoalbine

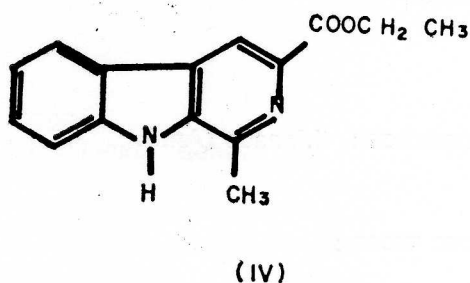
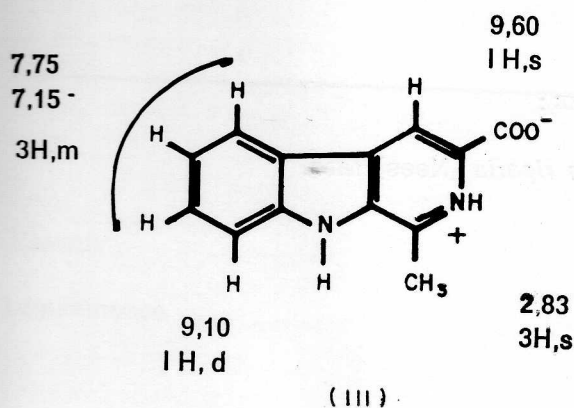
zwitterion of harmana-3-carboxylic acid (III)

ethyl ester of harmana-3-carboxylic acid (IV)



(I) R = OH

(II) R = OMe



## REFERENCES :

- 1 — Brown Jr., K. S.; Sanchez L., W.E.; Figueiredo, A. A. and Ferreira Filho, J. M., *JACS*, 88 4984 (1966).
- 2 — Sanchez., W.E. and Brown Jr.; K.S., *AABC*, 43, 603 (1971).

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

FAMILY :

Guttiferae

SPECIE :

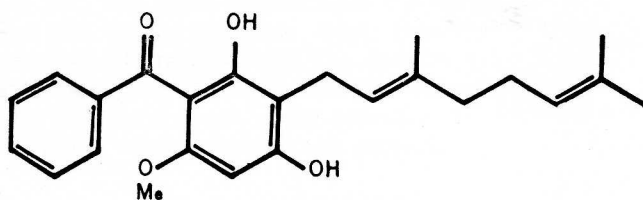
*Moronobea pulchra* Ducke

OCCURRENCE : Amazonas.

TRUNK WOOD :

Marupone (I)

Sitosterol



(1)

REFERENCES :

Dias, J. P. P.; Gottlieb, O. R. and Mesquita, A. A. L., *Phytochemistry* 13, 1953 (1974).

FAMILY :

Lauraceae

SPECIE :

*Aniba riparia* (Nees) Mez.

OCCURRENCE : Manaus (Am.).

TRUNK WOOD :

tri-O-methylgalangin

3,5,7-trimethoxyflavone

benzil benzoate

REFERENCES :

Franca, N. C.; Gottlieb, O. R.; Magalhães, M. T.; Mendes, P. H.; Maia, J. G. S.; Silva, M. L. and Gottlieb, H. E., *Phytochemistry* 15, 572 (1976).

FAMILY :

Lauraceae

SPECIE :

*Ocotea porosa* (Nees) L. Barr.

OCCURRENCE : Amazonas.

HEARTWOOD :

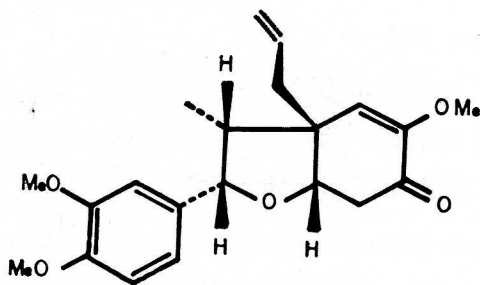
Sitosterol

sesquiterpenes

n-octacosanoic acid

n-hexacosanoic acid

neolignan porosin (I)



( I )

REFERENCES :

Aiba, C. J.; Braz Filho, R. and Gottlieb, O. R., *Phytochemistry*, 12, 413 (1973).

FAMILY :

Leguminosae

SPECIE :

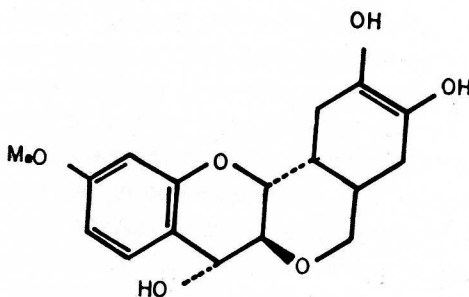
*Peltogyne paniculata* Benth.

OCCURRENCE : Amazonas.

TRUNK :

Sitosterol

7-O-methylpeltogynol (I)



( I )

REFERENCES :

Almeida, M. E.; Gottlieb, O. R.; Souza, J. R. and Teixeira, M. A., *Phytochemistry* 13, 1225 (1974).

FAMILY :

Malpighiaceae

SPECIE :

*Banisteriopsis caapi* Spruce.

OCCURRENCE : Amazonas.

LEAVES AND STEMS :

harmine (Ia)

harmaline (IIa)

tetrahydroharmine (III)

harmine N-oxide (Ib)

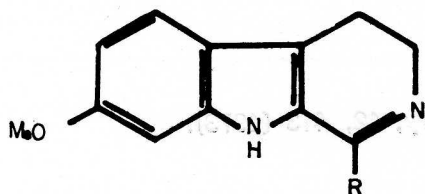
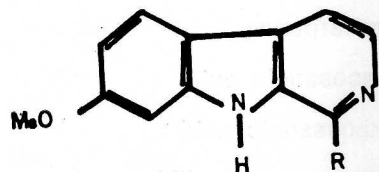
harmic acid methyl ester (Ic)

harmalinic acid (IIb)

(Ia) — R = Me

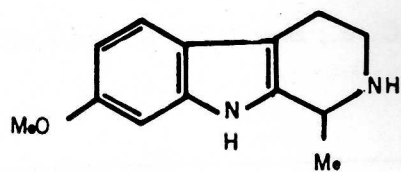
(Ib) — R = Me Nb-oxide

(Ic) — R = CO<sub>2</sub>Me



(IIa) — R = Me

(IIb) — R = CO<sub>2</sub>H



(III)

REFERENCES :

1 — Mors, W. B. and Zaltzman, P., *Bol. I.Q.A.*, 34, 18 (1954).

2 — Hashimoto, Y. and Kawanishi, K., *Phytochemistry*, 14, 1633 (1975).