The chemical composition of Amazonian plants (*)

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

FAMILY: *Lauraceae*

SPECIE: *Aniba affinis* (Meissn.) Mez

OCCURRENCE: Amazonas (Rio Negro and Maipendi)

TRUNK WOOD:

Terpenes

benzyl salicylate

benzyl benzoate

(2S, 3S)-7-allyl-6-hydroxy-5-methoxy-3-methyl-2-piperonyl-2, 3-dihydro-benzofuran.

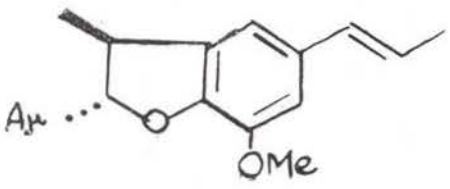
sitosterol

2-guaiacyl-7-methoxy-3-methyl-5-propenyl-2, 3-dihydrobenzofuran. (I).
(IS, 5S, 6S, 7R, 8R)-I-allyl-3, 8-dihydroxy-5-methoxy-7-methyl-4-oxo-6-piperonylbicyclo 3,2,I oct-2-ene. (II)

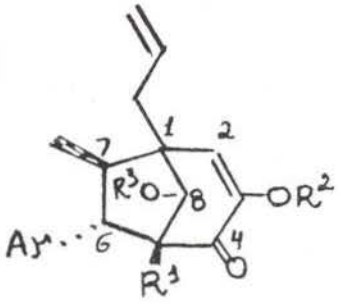
(2S, 3S, 5S)-5-allyl-5-methoxy-3-methyl-2-piperonyl-2,3,5,6-tetrahydro-6-oxobenzofuran.

(2S, 3S, 3aR)-3a-allyl-5-methoxy-3-methyl-2-piperonyl-2, 3, 3a, 6-tetrahydro-6-oxobenzofuran.

(2S, 3S)-6-0-allyl-5-methoxy-3-methyl-2-piperonyl-2, 3-dihydrobenzofuran.



(I)
Ar = Guaiacyl



(II)
Ar = Piperonyl
RI = OMe
R2 = R3 = H

REFERENCE:

Diaz, A.M.P. de et al. *Acta Amazônica*, 1:41-43 (1977).

(*) — 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:

Lauraceae

SPECIE:

Aniba cylindriflora Kost.

OCCURRENCE: Amazonas (from Paraná do Tautú, affluent of Rio Negro).

TRUNK WOOD:

6-styryl-2-pyrone, 6-(4'-hydroxy-3'-methoxystyryl)-2-pyrone, 6-(3', 4'-methylenedioxystyryl-2-pyrone, besides 6-(3', 4'-dimethoxystyryl)-2-pyrone.

REFERENCES:

1) Rezende, C.M.A. da M.; Bulow, M.V. von; Gottlieb, O.R.; Pinho, S.L.V. & Rocha, A.I. da, *Phytochemistry*, 10:3167-3172 (1971).

2) Bittencourt, A.M.; Gottlieb, O.R.; Mors, W. B.; Magalhães, M. T.; Mageswaran, S.; Oilis, W. D. & Sutherland, I.O., *Tetrahedron*, 27:1043-1048 (1971).

3) Diaz, A.M.P. de et al. *Acta Amazônica*, 1:41-43 (1977).

FAMILY:

Lauraceae

SPECIE:

OCCURRENCE: Amazonas (Ducke Forest Reserve)

TRUNK WOOD:

6-(3', 4'-methylenedioxyphenyl)-4-methoxy-2-pyrone, 6-styryl-4-methoxy-2-pyrone, 6-(3', 4'-dimethoxystyryl)-4-methoxy-2-pyrone and 6-(3', 4'-methylenedioxystyryl)-4-methoxy-2-pyrone.

REFERENCES:

1) Rezende, C.M.A. da M.; Bulow, M.V. von; Gottlieb, O.R.; Pinho, S.L.V. & Rocha, A.I. da, *Phytochemistry*, 10: 3167-3172 (1971).

2) Diaz, A.M.P. de et al. *Acta Amazônica*, 1: 41-43 (1977).