

The chemical composition of Amazonian plants (*)

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

FAMILY :

SPECIE

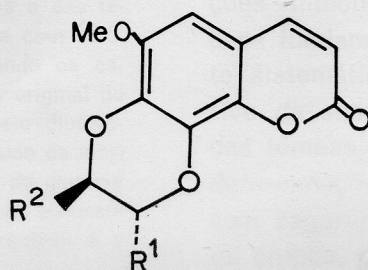
BURSERACEAE

Protium opacum Swart

OCCURRENCE : River Canumã, Amazonas

TRUNK WOOD :

Propacin (E-1'-Guaiacyl-2'-methyl-ethylenedioxy)-1',2':8,7 or 1',2':7,8-6-Methoxycoumarin.



- a R¹ = 4-Hydroxy-3-methoxyphenyl
R² = Me
- b R¹ = Me
R² = 4-Hydroxy-3-methoxyphenyl

REFERENCE :

M. das Graças B. Zoghbi, Nidia F. Roque, Otto R. Gottlieb (1980) *Phytochemistry* (8) (in press).

FAMILY :

SPECIE

LAURACEAE

Aniba ferrea Kubitzki

OCCURRENCE : Manaus, Amazonas

TRUNK WOOD :

Dillapiol (2)

Benzyl salicylate (1a)

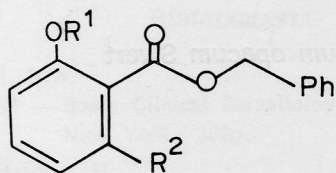
Benzyl 2-methoxybenzoate (1b)

Benzyl 2,6-dimethoxybenzoate (1c)

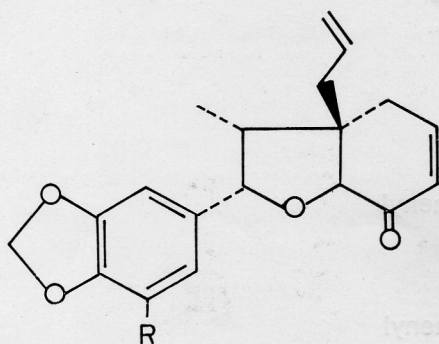
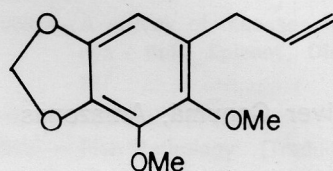
$\Delta^{8'-2'}$ -Hidroxy-3-methoxy-4,5-methylenedioxy-1',2',3',6'-tetrahydro-3'-oxo-7.0.2',8.1'-neolignan (Ferrea-rin-A, 3a).

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

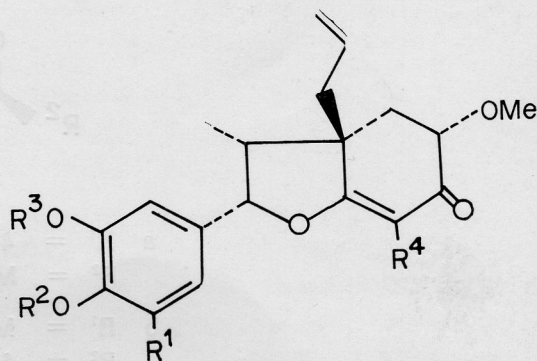
- $\Delta^{8'-2'}$ -Hydroxy-3,4-methylenedioxy-1',2',3',6'-tetrahydro-3'-oxo-7.0.2'.8.1'-neolignan (Ferrearin - B, 3b)
 $\Delta^{8'-3,3',5'}$ -Trimethoxy-4,5-methylenedioxy-1',4',5',6'-tetrahydro-4'-oxo-7.0.2'.8.1'-neolignan (4a)
 $\Delta^{8'-3',5'}$ -Dimethoxy-3,4-methylenedioxy-1',4',5',6'-tetrahydro-4'-oxo-7.0.2'.8.1'-neolignan (4b)
 $\Delta^{8'-3,4,5'}$ -Trimethoxy-1',4',5',6'-tetrahydro-4'-oxo-7.0.2'.8.1'-neolignan (4c)
 $\Delta^{8'-2',4'}$ -Dihydroxy-3,3',5'-trimethoxy-4,5-methylenedioxy-1',2',3',4',5',6'-hexahydroneolignan (5a)
 $\Delta^{8'-2',4'}$ -Dihydroxy-3',5'-dimethoxy-4,5-methylenedioxy-1',2',3',4',5',6'-hexahydroneolignan (5b)



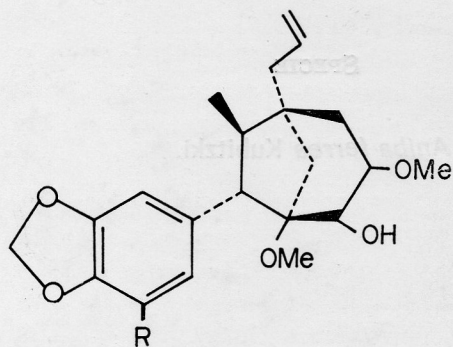
- 1a $R^1=R^2=H$
 1b $R^1=Me$ $R^2=H$
 1c $R^1=Me$ $R^2=OMe$



- 3a $R=OMe$
 3b $R=H$



- 4a $R^1=R^4=OMe$ $R^2-R^3=CH_2$
 4b $R^1=H$ $R^2-R^3=CH_2$ $R^4=OMe$
 4c $R^1=R^4=H$ $R^3-R^3=Me$



- 5a $R=OMe$
 5b $R=H$

REFERENCE :

Carlos H. S. Andrade, Raimundo Braz Filho and Otto R. Gottlieb (1980) *Phytochemistry* 19 (6) : 1191 - 1194.