

The chemical composition of Amazonian plants (*)

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

FAMILY

MYRISTICACEAE

SPECIE

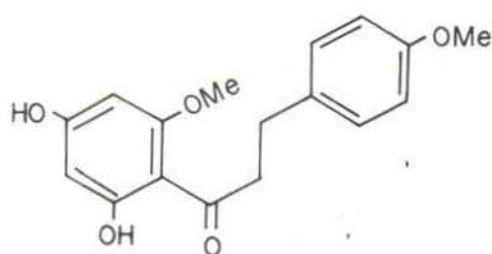
Iryanthera laevis Mkgf.

OCCURRENCE : Manaus, Amazonas

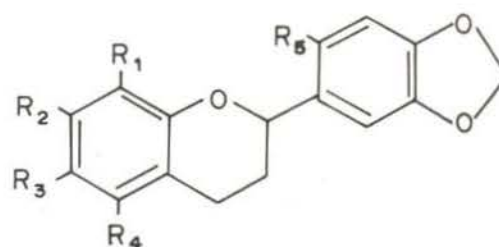
TRUNK WOOD :

Sitosterol

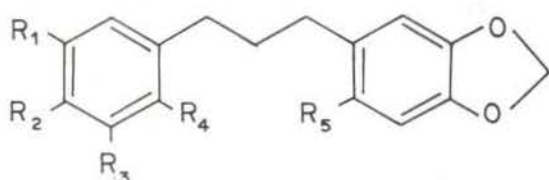
| | |
|--|--------|
| 2',4'-Dihydroxy-4,6'-dimethoxydihydrochalcone | II - 2 |
| 2',7-Dihydroxy-4',5'-methylenedioxy-6,8-dimethylflavan | II - 3 |
| 2',7-Dihydroxy-4',5'-Methylenedioxy-5,8-dimethylflavan | II - 4 |
| 1-(2',4'-Dihydroxy-3',5'-dimethylphenyl)-3-(2''-hydroxy-4'',5''-methylenedioxyphenyl)-propane | II - 5 |
| 1-(2'-Hydroxy-4'-methoxy-5'-methylphenyl)-3-(2''-hydroxy-4'',5''-methylenedioxyphenyl)-propane | II - 6 |
| 1-(2',4'-Dihydroxy-3'-methylphenyl)-3-(2''-methoxy-4'',5''-methylenedioxyphenyl)-propane | II - 7 |
| 1-(2',4'-Dihydroxyphenyl)-3-(2''-methoxy-4'',5''-methylenedioxyphenyl)-propane | II - 8 |
| 2,5'-Dihydroxy-7-methoxy-4',5'-methylenedioxy-6,8-dimethylflavane | II - 9 |



II - 2



| | R ₁ | R ₂ | R ₃ | R ₄ | R ₅ |
|--------|----------------|----------------|----------------|----------------|----------------|
| II - 3 | Me | OH | Me | H | OH |
| II - 4 | Me | OH | H | Me | OH |
| II - 9 | Me | OMe | Me | OH | OH |



| | R ₁ | R ₂ | R ₃ | R ₄ | R ₅ |
|--------|----------------|----------------|----------------|----------------|----------------|
| II - 5 | Me | OH | Me | OH | OH |
| II - 6 | Me | OMe | H | OH | OH |
| II - 7 | H | OH | Me | OH | OMe |
| II - 8 | H | OH | H | OH | OMe |

REFERENCE :

Silva, Marcelo Sobral (1979) Taken from part of the M.Sc. submitted to Universidade Federal Rural do Rio de Janeiro.

(*) — 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

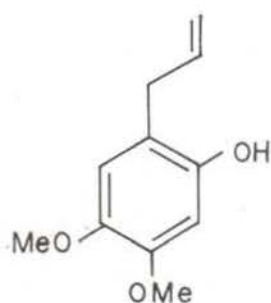
SPECIE
Aniba lancifolia Kubitzki Rodrigues

OCCURRENCE : Manaus, Amazonas
TRUNK WOOD :

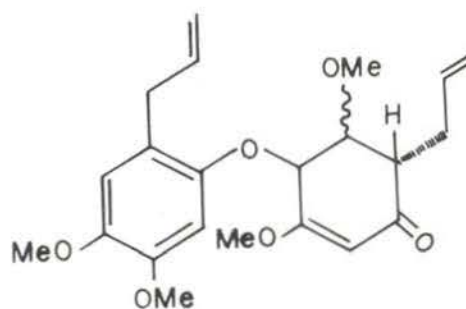
Sitosterol

2-Hydroxy-4,5-dimethoxy-allylbenzene (Al - 1)

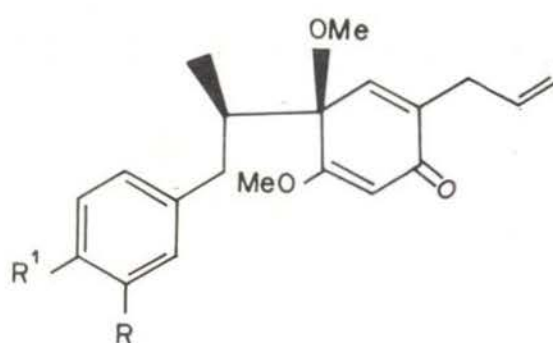
- Lancifolin A- [(8R,3'S)-4-hydroxy-3,3',4'-trimethoxy-3',6'-dihydro-6'-oxo-8,3'-Neolignan]
 Lancifolin B- [(8R,3'R)-4-hydroxy-3,3',4'-trimethoxy-3',6'-dihydro-6'-oxo-8,3'-Neolignan]
 Lancifolin C- [(8R,3'S)-3,4,3',4'-tetramethoxy-3',6'-dihydro-6'-oxo-8,3'-Neolignan]
 Lancifolin D- [(8R,3'R)-3,4,3',4'-tetramethoxy-3',6'-dihydro-6'-oxo-8,3'-Neolignan]
 Lancifolin E- [(8R,3'S)-3,4-methylenedioxy-3',4'-dimethoxy-3',6'-dihydro-6'-oxo-8,3'-Neolignan]
 Lancifolin F- [(8R,3'R)-3,4-methylenedioxy-3',4'-dimethoxy-3',6'-dihydro-6'-oxo-8,3'-Neolignan]
 4,5,3',4'-tetramethoxy-1',2',3',6'-tetrahydro-6'-oxo-2,0.3'-Neolignan (Al - 3)



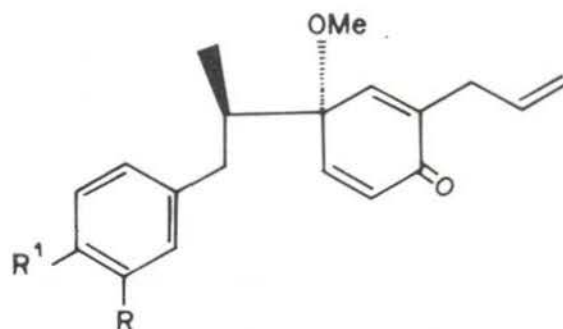
Al - 1



Al - 3



- Al - 1
Lancifolin A R=OMe, R¹=OH
C R=R¹=OMe
E R,R¹=O₂CH₂



- Al - 3
Lancifolin B R=OMe, R¹=OH
D R=R¹=OMe
F R,R¹=O₂CH₂

REFERENCE :

Diaz Diaz, P.P. (1978) Taken from part of the D.Sc. submitted to Universidade de São Paulo.