

# The chemical composition of Amazonian plants (\*)

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

FAMILY  
ICACINACEAE

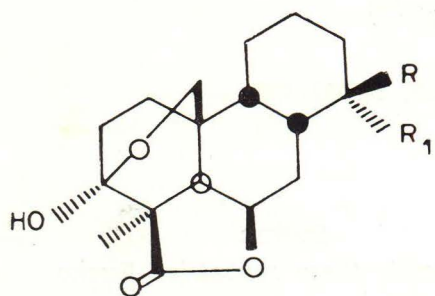
SPECIE  
*Humirianthera rupestris* Ducke

OCCURRENCE : Manaus, Amazonas

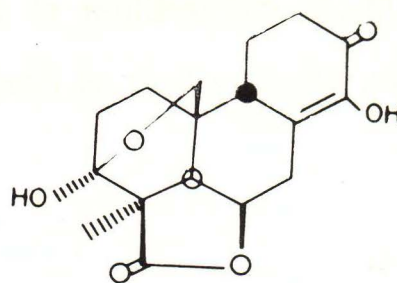
TUBER :

- Humirianthenolide **A** (3,20-epoxy-8 $\beta$ , 14-dihydro-3 $\alpha$ ,14 $\alpha$ -dihydroxy -15, 16, 17-tris-nor-9 $\beta$ -pimaran-19, 6 $\beta$ -olide) .
- Humirianthenolide **B** (3,20-epoxy-8 $\beta$ -hydro-3 $\alpha$ -hydroxy-14-oxo -15, 16, 17-tris-nor-9 $\beta$ -pimaran-19, 6 $\beta$ -olide) .
- Humirianthenolide **C** (3,20-epoxy-3 $\alpha$ ,14-dihydroxy-13-oxo-15,16,17-tris-nor-9 $\beta$ -pimaren-19,6 $\beta$ -olide) .
- Humirianthenolide **D** (3, 20-16, 14-diepoxy-8 $\beta$ -hydro-3 $\alpha$ -hydroxy - 16-oxo-nor - 9 $\beta$ -pimar - 13-en- 19, 6 $\beta$ -olide) .
- Humirianthenolide **E** (3, 20-epoxy-8 $\alpha$ -hydro-3 $\alpha$ -hydroxy-14-oxo-15, 16, 17-tris-nor-9 $\beta$ -pimaran - 19, 6 $\beta$ -olide) .
- Humirianthenolide **F** (3,20-epoxy-8 $\alpha$ , 14-dihydro-3 $\alpha$ , 14 $\beta$ -dihydroxy-15, 16, 17-tris-nor-9 $\beta$ -pimaran-19, 6 $\beta$ -olide) .

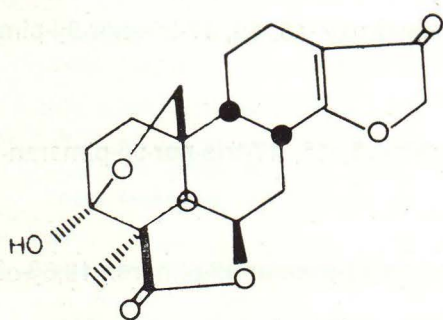
(\*) — Contributions to this catalogue, which will be continued in subsequent issues of this Journal, are invited and should be submitted to address give above.



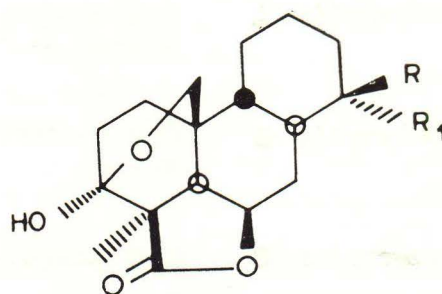
HA            R=H            R<sub>1</sub> =OH  
 HB            R=R<sub>1</sub> =O



HC



HD



HE            R=R<sub>1</sub> =O  
 HF            R=OH            R<sub>1</sub> =H

**REFERENCE :**

Zoghbi, Maria das Graças Bichara (1979) Taken from part of the DSc. Thesis submitte to Univer-  
 sidade de São Paulo, Brasil.