PLANT FACT SHEET

Aglaia foveolata Pannell

GENUS *Aglaia* **FAMILY** Meliaceae

EDIBLE PARTS AND USES

Edible parts: Fruit

The fleshy layer around the seeds is edible.

DESCRIPTION

An evergreen tree. The crown is dense and feathery. It grows 20 m tall. The trunk can be 60 cm across. It has buttresses 75 cm high. Plants are separately male and female. The fruit are orange to brown and 2.5 cm long. They contain 2 seeds.

HABITAT

It is a tropical plant. It grows in dense forests and near swamps and rivers. It grows up to 1,000 m above sea level.

NOTES

The bark contains silvestrol a potent inhibitor of ebola virus. Also the leaves. Also Corona virus.
It is an at risk species.

REFERENCES

Edwards, R. B. et al, 2006, Silvestrol, a Rocaglate Derivative from the Indonesian Plant Aglaia foveolata, Has Significant Bcl-2- and p53-Independent Anti-Tumor Activity against Chronic Lymphocytic Leukemia Cells. Blood (2006) 108 (11): 2600.

Glitscher, M., et al, 2018, Inhibition of Hepatitis E Virus Spread by the Natural Compound Silvestrol. Viruses 10(6) 2018 Jun 2

Kim, S., et al, 2007, Silvestrol, a Potential Anticancer Rocaglate Derivative from Aglaia foveolata, Induces Apoptosis in LNCaP Cells through the Mitochondrial/Apoptosome Pathway without Activation of Executioner Caspase-3 or -7. Anticancer Res. 2007 Jul-Aug; 27(4B: 2175-2183

Muller, C., et al, 2020, Comparison of Broad-Spectrum Antiviral Activities of the Synthetic Rocaglate CR-31-B (-) and the eIF4A-inhibitor Silvestrol. Antiviral Res. 175, 104706

Pan, L., et al, 2014, Rocaglamide, Silvestrol and Structurally Related Bioactive Compounds from Aglaia Species. Nat Prod Rep. 2014 July 11; 31(7): 924–939

Salim, A. A., 2007, Constituents of the Leaves and Stem Bark of Aglaia foveolata. Tetrahedron. 2007 Aug 13; 63(33): 7926–7934.

Silvestrol - Wikipedia

PROVIDED BY **Food Plants International**

French, B.R. & Maynard, A.R. Food Plants International Database. Food Plants International

LICENCE CC BY-NC-SA 3.0

ONLINE FACT SHEET https://www.echocommunity.org/en/resources/b75bc1aa-dfab-4ac3-9aef-582b656677f6