

Naphthoquinone Derivatives and Lignans from the Paraguayan Crude Drug “Tayĩ Pytá” (*Tabebuia heptaphylla*, Bignoniaceae)

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The Paraguayan crude drug “tayĩ pytá” is used to treat cancer, wounds and inflammation. It consist of the bark and trunkwood of *Tabebuia heptaphylla* (Bignoniaceae). A phytochemical study of the crude drug gave, in addition to previously described naphthoquinones and the known lignans cyclooolivil and secoisolariciresinol, three new lapachenol (lapachonone)-, two naphthofuran-, a chromone and a naphthalene derivative. The structures were elucidated by means of high field NMR spectroscopy. The biological activity of the main compound lapachol and the related α -lapachone as well as the lignans cyclooolivil and secoisolariciresinol can explain, at least in part, the effect attributed to the crude drug in Paraguayan folk medicine.

Key words: *Tabebuia heptaphylla*, Bignoniaceae, Naphthoquinones