

The Chemistry of Brazilian Quiinaceae.

I. Constituents of *Touroulia guianensis* and *Lacunaria jenmani*

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The small family Quiinaceae includes 4 genera (*Froesia*, *Lacunaria*, *Quiina* and *Touroulia*) with 37 central and south american species. Although generally included in the subclass Dilleniidae, order Theales [Cronquist, 1968], and considered derived from the Ochnaceae or the Theaceae, the family has even been placed in the subclass Rosidae, order Linales, and considered derived from the Linaceae [Hegnauer, 1968]. It was hoped that chemical data, lacking at present time, may help to clarify the presently uncertain systematic position.

The analysis of trunk wood of *Touroulia guianensis* Aubl. revealed the presence of 2,6-dimethoxy-p-benzoquinone [Corrêa *et al.*, 1970], friedelan-3 α -ol and friedelin [Drake & Campbell, 1936], sitosterol and β -sitostenone [Lavie & Kaye, 1963], and syringaresinol [Weinges, 1961]. Friedelin, sitosterol and syringaresinol were also isolated from the trunk wood of *Lacunaria jenmani* Ducke.

While, thus, both genera appear to be close chemical relatives, the analysis fails to indicate affinities of the family, since the isolated constituents are of widespread occurrence in the plant kingdom.

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