

10-NONACOSANONE IN *LOPHOSORIA QUADRIPINNATA*

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Key Word Index—*Lophosoria quadripinnata*: Cyatheaaceae; tree fern; neutral lipid; 10-nonacosanone.

Plant. Lophosoria quadripinnata (Gmel) C. Chr.
Source. Plant material was collected at Vara Blanca, Heredia Province, Costa Rica in 1971 and 1973. Voucher specimens, identified by R. Tryon of Gray Herbarium, are deposited in the Phytochemical Herbarium, Appalachian State University (Nos. 1971018 and 73-28).

Previous work. None on this monotypic species. Neutral lipids in related species *Cyathea manniana* [1], *C. taiwaniana* [2], *C. spinulosa* [3]. 10-Nonacosanone in ferns [4, 5].

Plant part examined—pinna. **Isolation and identification.** Dried plant material was extracted with petrol, the residue upon evaporation was chromatographed over alumina using heptane, followed by C_6H_6 . 10-Nonacosanone was isolated from the C_6H_6 fraction by GLC over 3% SE-30 on Chromasorb W at 275°. MS showed M^+ at m/e

422 (25%) followed by ions at m/e 310 (16%), 295 (100), 171 (35), 170 (21) and 155 (94). These data are consistent with those previously reported [5]. This is the first report of 10-nonacosanone in tree ferns.

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ISOLEMENT DE LA LANUGINOSINE À PARTIR
D'UNE ANNONACÉE MALGACHE, *XYLOPIA LEMURICA*

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Key Word Index—*Xylopiia lemurica*; Annonaceae; oxoaporphine alkaloids; lanuginosine; 9-methoxyliroidenine.

Plante et source. *Xylopiia lemurica* Diels [1,2] espèce endémique, relativement rare, à Madagascar; nom vernaculaire: Hazoambo; l'infusion des

écorces et des feuilles, amère et aromatique, est réputée tonique et apéritive [3]. L'échantillon étudié a été récolté en forêt d'Analamazoatra (côte orientale). **Travaux antérieurs.** Sur d'autres espèces de *Xylopiia*: *X. discreta* [4], *X. papuana* [5], *X. brasiliensis* [6], *X. sericophylla* [7], *X.*

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