

ANGIOSPERMAE

APOCYNACEAE

THE CYCLITOLS OF *OCHROSZA NAKAZANA*, *PLUMERZA ACUTZFOLZA* AND *STROPHANTHUS GRATUS*

SANSEI NISHIBE, SUEO HISADA and ISAO INAGAKI

Faculty of Pharmaceutical Sciences, Nagoya City University, Mizuho-ku, Nagoya, Japan

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Abstract—**L**-(+)-Bornesitol was isolated from the leaves of *Ochrosia nakaiana* and *Plumeria acutifolia*, respectively. Dambonitol was isolated from the leaves of *Strophanthus gratus*.

Plant. *Ochrosia nakaiana* Koidz.

Uses. None.

Previous work. On alkaloids of stem barks.¹

Leaves. Extracted with MeOH, evaporated to small volume, diluted with H₂O. After extraction with light petrol, Et₂O and CHCl₃, respectively, the aqueous layer was concentrated to syrup, extracted with EtOAc. The extracts of residue with CHCl₃-MeOH (2: 1) were chromatographed on activated charcoal, eluted by EtOH-H₂O (1: 99), L-(+)-Bornesitol (0.047 per cent of leaves, [α]_D m.p., mixed m.p., IR and TLC).

Plant. *Plumeria acutifolia* Poir.

Uses. Medical.

Previous work. On iridoids of barks.²

Leaves. Extracted with MeOH. The extraction procedure was the same as described above. L-(+)-Bornesitol (0.012 per cent of leaves, [α]_D m.p., mixed m.p., IR and TLC).

Plant. *Strophanthus gratus* Baillon.

Uses. Medical.

Previous work. On cardiac glycosides of seeds.^{3,4}

Leaves. Extracted with MeOH. The extraction procedure was the same as described above. Dambonitol (0.01 per cent of leaves, m.p., mixed m.p., IR and TLC).

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¹ S. SAKAI, N. AIMI, K. TAKAHASHI, M. KITAGAWA and J. HAGINIWA, Paper presented at the 14th Kanto Branch Meeting of the Pharmaceutical Society of Japan, Tokyo, November (1970).

² S. RANGASWAMI, E. V. RAO and M. SURYANARAYANA, *Indian J. Pharm.* 23, 122 (1961).

³ A. ARNAULD, *C.R. Acad. Sci. Paris* 106, 1011 (1888).

⁴ A. ARNAULD, *C.R. Acad. Sci. Paris* 107, 1162 (1888).