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ARALIACEAE

RUTIN FROM *TETRAPLASANDRA MEIANDRA*

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Plant. Tetraplasandra meiandra, variety *mauiensis*, Sherff.

Source. Collected by S. Sohmer, Department of Botany, University of Hawaii. *Tetraplasandra* is described as a genus of about 22 known species, all but three (namely *T. koordesii*, *T. paucidens* and *T. phillipinensis*) belonging to the Hawaiian islands.[1]

Identification of rutin. The leaves were extracted with EtOH which on conc. gave a copious pale yellow precipitate which was washed with chloroform (1·6% of the leaf material). It gave, on acid hydrolysis, quercetin and equal amounts of glucose and rhamnose. Its identity as rutin was confirmed by co-chromatography and u.v. spectroscopy.

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BETULACEAE

CHEMICAL EXAMINATION OF THE BARKS AND HEARTWOODS OF *BETULA* SPECIES OF AMERICAN ORIGIN

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Plants. Betula papyrifera, Betula lenta and *Betula alleghaniensis.*

Previous work. A variety of triterpenes were isolated from other species.[1–4]

Present work. Light petroleum, Et_2O, acetone and EtOH were used in succession as the solvents for extraction. The individual components were separated by repeated chromatography over a column of SiO_2 and identified through derivatives and by comparison with authentic samples. The terpenoid and steroid components were obtained from light

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