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LICHENS

ERGOSTEROL PEROXIDE FROM *PELTIGERA APHTHOSA* AND *P. DOLICHORRHIZA*

RUMIKO TAKAHASHI, OSAMU TANAKA and SHOJI SHIBATA

Faculty of Pharmaceutical Sciences, University of Tokyo, Japan

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Plant. Peltigera aphthosa (L.) Willd. and *Peltigera dolichorrhiza* (Nyl.) Nyl., both collected on Mount Fuji. *Previous work.* Unknown compound X_3, m.p. 183–184°, from the above lichens.[1]

Thallus. Extracted hexane, chromatographed. Ergosterol peroxide, $C_{28}H_{44}O_3$, m.p 183–184°, $[\alpha]_D$ −23·9°. Ergosterol peroxide acetate,[2] m.p. 198–201° (m.m.p., TLC and IR).

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Key Word Index—Peltigera aphthosa; *Peltigera dolichorrhiza*; Lichens; ergosterol.

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FILICINAE

ASPIDIACEAE

A NEW ACYLPHLOROGLUCINOL FROM *DRYOPTERIS DICKINSII*

S. HISADA, K. SHIRAISHI and I. INAGAKI

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

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Recently, Penttilä and Sundman[1] reported the isolation and synthesis of filixic acids BBB, PBB and PBP from *Dryopteris filix-mas*, while the presence of filixic acids ABB, ABP and ABA was only presumed. In this communication we report the isolation, characterization and synthesis of filixic acid ABA.

RESULTS

Dried rhizomes of *Dryopteris dickinsii* were percolated with Et_2O and the Et_2O extract was treated with MgO. The raw filicin obtained by Aebi's method[2] was chromatographed on silica and eluted with cyclohexane-$CHCl_3$ (1:1).

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