E2-17: Glycosides from *Ipomoea mauritiana* (Jacq.) Abeywick

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The main focus is the chemical investigation of *Ipomoea mauritiana*. Previously taraxerol(**I**), scopoletin(**II**), scoparone(**III**), taraxerol acetate and sitosterol from the hot dichloromethane extract of the root tubers of this plant were reported.

Cold hexane and dichloromethane extracts of the same plant gave scoparone, taraxerol acetate and sistosterol, and no free taraxerol was detected as in the hot extracts. This implies that taraxerol acetate is hydrolysed to taraxerol during the hot extraction procedure.

Two polar UV-active compounds were isolated from the cold methanol extract of the above and the acid hydrolysis of one gave scopolatin as the aglycone.

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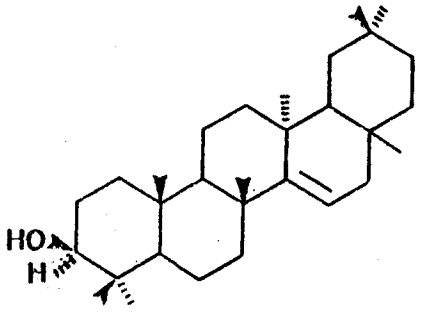
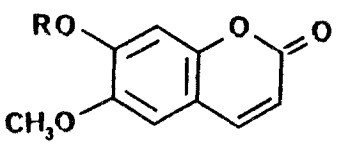


(1) Taraxerol



(II) R = H Scopoletin
(III) R = CH_3 Scoparone