

Cytotoxic Hydroazulene Diterpenes from the Brown Alga *Dictyota dichotoma*

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Two new hydroazulenoid (prenyl guaiane) diterpenes, dictyone acetate (**2**) and 3,4-epoxy 13-hydroxy pachydictyol A (**4**) were isolated from the petroleum ether fraction of the alcoholic extract of the brown alga, *Dictyota dichotoma* (Hudson) Lamouroux, which was collected from the Red Sea coasts at Hurgada, Egypt, together with three known ones, pachydictyol A (**1**), dictyone (**3**) and 11-hydroxypachydictyol A (dictyol *E*) (**5**). In addition, the steroidal compound, stigmasta-5,(*E*)-24(28)-dien-3- β -ol (fucosterol) (**6**) was also isolated. The structures of the isolated compounds have been determined on the basis of spectroscopic evidences as well as physical and chemical correlation with known compounds. Compounds **1**, **2**, **3** and **5** showed moderate cytotoxic activity.

Key words: *Dictyota dichotoma*, Cytotoxic Hydroazulene Diterpenes, Fucosterol