

Pharmacological Active Compounds of Sponges and a Gorgonian Coral from the Andaman Sea, Thailand

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Abstract : In our ongoing search for pharmacological significant of compounds from marine organisms, we investigated the active constituents of two sponges (*Xestospongia* sp., *Halichondria* sp.) and a gorgonian coral (*Juncella* sp.) from the Andaman Sea, Thailand. Several compounds were isolated from those of marine organisms. A marine sponge, *Xestospongia* sp. contained an isoquinoline compound namely aureol and cytotoxic thiophenen sesterterpene while *Halichondria* sp. produced C-28 sterols. The white gorgonian coral, *Juncella* sp. contained anti-tuberculosis diterpenes namely, junceellin and praelolide. All of the isolated compounds were analyzed by spectroscopic methods, extensively.

Keywords : *Xestospongia* sp., *Halichondria* sp., gorgonian, *Juncella* sp. biological activity

Conference Title : ICPPNP 2014 : International Conference on Pharmacognosy, Phytochemistry and Natural Products

Conference Location : Istanbul, Türkiye

Conference Dates : November 28-29, 2014