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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 isoqinoline 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
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