

P-105**Chemical Compounds from A Marine Sponge: *Xestospongia* sp. and its Biological Activities**

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Four compounds were isolated from the ethyl acetate crude extract of *Xestospongia* sp., namely benzoic acid, 2-phenylacetic acid, 2-hydroxyl-1*H*-inden-1-one and 6-styryl-5,6-dihydropyran-2-one. The structures of these compounds were elucidated based on spectroscopic methods including nuclear magnetic resonance (NMR-1D and 2D), UV, IR, mass spectrometry and comparison with literature data. The ethyl acetate extract showed weak antityrosinase and acetylcholinesterase activities. Benzoic acid and 2-phenylacetic acid, were found to possess weak free radical-scavenging activity.

Keywords: *Xestospongia*, benzoic acid, 2-phenylacetic acid, 2-hydroxyl-1*H*-inden-1-one and 6-styryl-5,6-dihydropyran-2-one.
