



# Didemnacerides A and B: Two New Glycerides from Red Sea Ascidian *Didemnum* Species

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## Abstract:

Two new glycerides, didemnacerides A (1) and B (2), together with three known sterols, 24-ethyl-25-hydroxycholesterol (3), cholest-6-en-3,5,8-triol (4) and cholestane-3 $\beta$ ,5 $\beta$ ,6 $\beta$ -26-tetrol (5), were isolated from the Red Sea ascidian *Didemnum* sp. Their structures were elucidated by using extensive 1D ( $^1\text{H}$ ,  $^{13}\text{C}$ ) and 2D ( $^1\text{H}$ - $^1\text{H}$  COSY, HSQC and HMBC) NMR studies and mass spectroscopic data (GC-MS and HR-MS) as well as alkaline hydrolysis followed by GC-MS and NMR spectral analyses of the fatty acid methyl esters. This is the first report of compounds 3-5 from the Red Sea ascidian *Didemnum* species.

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