

Novel Terpenoids from the Soft Corals *Sinularian capillosa* and *Sacrophyton* sp.

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As part of our ongoing efforts to isolate biologically active compounds from marine invertebrates, chromatographic fractionation of the acetone-solubles of the soft coral *Sinularian capillosa* (TS-06), collected at Dongsha Islands (東沙群島), led to the isolation of a novel structure (**1**) (possessing a C₂₁ novel skeleton), two novel sesquiterpenoids (**2** and **3**) (both possessing novel skeletons), four new compounds (**4~7**), and four known second metabolites (**8~11**). In addition, chromatographic fractionation of the crude acetone extract of the soft coral, *Sacrophyton* sp. (PH-03), collected at Peng-hu Islands (澎湖), yielded two known compounds (**12** and **13**). The *in vitro* antimicrobial activity of isolated metabolites (**8~13**) was tested against five bacteria species, including *Enterobacter aerogenes* (ATCC13048), *Serratia marcescens* (ATCC25419), *Salmonella enteritidis* (ATCC13076), *Yersinia enterocolitica* (ATCC23715), and *Shigella sonnei* (ATCC11060), using a agar diffusion method. These compounds showed weak anti-bacterial activities against these five bacteria species.