

碩一 M965020019 黃科智(杜昌益老師實驗室)

Two Novel Sesquiterpenoids and New Secondary Metabolites from the Soft Corals *Sinularian spp.*

Abstract

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 sp.* (TS-06), collected at Dongsha Islands (東沙群島), led to the isolation of two novel sesquiterpenoids (**1** and **2**) (both possessing novel skeletons), two new compounds (**3** and **4**), and two known metabolites (**5** and **6**). In addition, chromatographic fractionation of the crude acetone extract of the soft coral, *Sinularian gibberosa* (TS-18), yielded two known compounds (**7** and **8**). The structures of the compounds were elucidated by interpretation of ^1H -NMR, ^{13}C -NMR, COSY, HMQC, HMBC, and NOESY data.