

Secondary Metabolites from the Soft Coral *Sarcophyton* sp.

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The Formosan soft coral *Sarcophyton* SP. , collected from the Liuqiu, Taiwan in 2012, at a depth of 10–15 m, and was stored in a freezer at the Department of Marine Biotechnology and Resources, National Sun Yet-Sen University. The frozen bodies of *Sarcophyton* sp. were extracted with ethyl acetate repeatedly. The combined EA extract was evaporated and the residue was fractioned over silica gel gravity column. The resolved fractions were further purified by reverse phase HPLC to yield compounds 1–13. Four new cembranolide-related compounds (1–4) and eight know compounds including sartrolides D, (4Z,8S,9S,12Z,14E)-9-Hydroxy-1-isopropyl-8,12-dimethyloxabicyclo[9.3.2]-hexadec a-4,12,14-trien-18-one , isosarcophine, isosarcophytonolide D, sarcassins E, glaucumolides A, glaucumolides B and compound 13 were isolated from the EtOAc extract of a Taiwan soft coral *Sarcophyton* sp. The structures of all compounds were established by spectroscopic analysis, including NMR and MS data.

Key words: *Sarcophyton* SP.