

Cembranoids with a *trans*- Fused Lactone from the Soft Coral *Sarcophyton crassocaule*.

林婉鈺

Ten new polyoxygenated cembrane-based diterpenoids possessing a *trans*-fused α -methylene- γ -lactone, crassocolides (**1-7**), have been isolated along with seven known compounds (**11-17**) from the ethyl acetate extract of a Taiwanese soft coral, *Sarcophyton crassocaule*. The structures of **1-7** have been established by detailed spectroscopic analysis, including 2D NMR (^1H - ^1H COSY, HMQC, HMBC, and NOESY) spectroscopy. In the bioactivity, diterpenoids **1-4** were tested for their ability to arrest cell division in the CCRF-CEM and DLD-1 cancer cells and for their anti-inflammatory activity .