

Eunicellin-type Diterpenoids from the Formosan Soft Coral *Klyxum molle* and their Bioactivities

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A repeated silica gel column chromatography followed by HPLC purification on the ethyl acetate extract of marine soft coral *Klyxum molle*, resulted in the isolation of eight new (**1–8**) and four known (**9–12**) eunicellin-type diterpenoids¹⁻³. The structures of the new compounds were determined on the basis of extensive spectroscopic data (MS, ¹H, ¹³C NMR, HSQC, HMBC, COSY and NOESY). The cytotoxicity of the diterpenoids **1–3** and **9** against two human carcinoma cell lines K562 and CCRF was evaluated by the alamar blue assay. It was found that only **9** showed activity against the proliferation of K562 cancer cell (ED₅₀ values of 15.0 μg/mL). Compounds **2**, **3** and **9** also exhibited cytotoxicity toward CCRF-CEM cancer cell line and their ED₅₀ values were 9.6, 11.5 and 4.2 μg/mL, respectively.

