Study on the Secondary Metabolites from the Soft Coral Cladiella hirsuta

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Abstract

英文：

Ten new Eunicellin-base diterpenoids, hirsutalins N–W (**H-1**–**H-10**), together with two new steroid glycoside, hirsutosterol G and H (**H-11**–**H-12),** and two new phenol glycoside, Cladophenol glycoside A and B (**H-13**–**H-14)**, along with fifteen known compounds (**K-1**–**K-15**), were isolated from chemical investigation of the soft coral *Cladiella hirsuta* of Taiwan waters. The structures of metabolites (**H-1**–**H-14**) were elucidated on the basic of their spectroscopic data. The cytotoxicity of compound **H-6**, **H-12**, **K-5** and **K-6** against murine leukemia cell line (P-388) and human chronic myelogenous leukemia (K562) is also discussed.

中文：

針對台灣產軟珊瑚 *Cladiella hirsuta* 所做的二次代謝物研究，從中分離出 14 個新的化合物，其中有十個屬於 Eunicellin 類的化合物、兩個為 steroid glycoside 類的化合物，以及兩個 phenol glycoside 類的化合物，所有化合物的結構都是藉由其光譜數據解析所得到的，此外，這些二次代謝物均有做細胞毒殺活性的測試，其中，以化合物 K-5 和 K-6 對於老鼠血癌細胞(P-388)以及人類慢性白血病細胞 (K-562)的活性最為理想。