

Study on the Secondary Metabolites from the Formosan Soft coral *Sinularia scabra* and the Chemical Modifications of Lobohedleolide

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In order to search for bioactive compounds, we have studied the chemical constituents from the organic extract of the Formosan soft coral *Sinularia Scabra*. This study had led to the isolation of two new natural compounds **1** and **2**, along with two known analogues (**3** and **4**). The structures of these compounds were established by the detailed spectroscopic analysis (IR, MS, 1D, 2D NMR). Furthermore, lobohedleolide, obtained in large quantity in *Lobophytum*, have also been modified to obtain **5-8** via chemical conversions of lobohedleolide by EDC-coupling with an aid of HCl salt of DMAP to afford ethylester (**5**), propylester (**6**),butylester (**7**) and L-alanine methylamide (**8**) in high yield.

