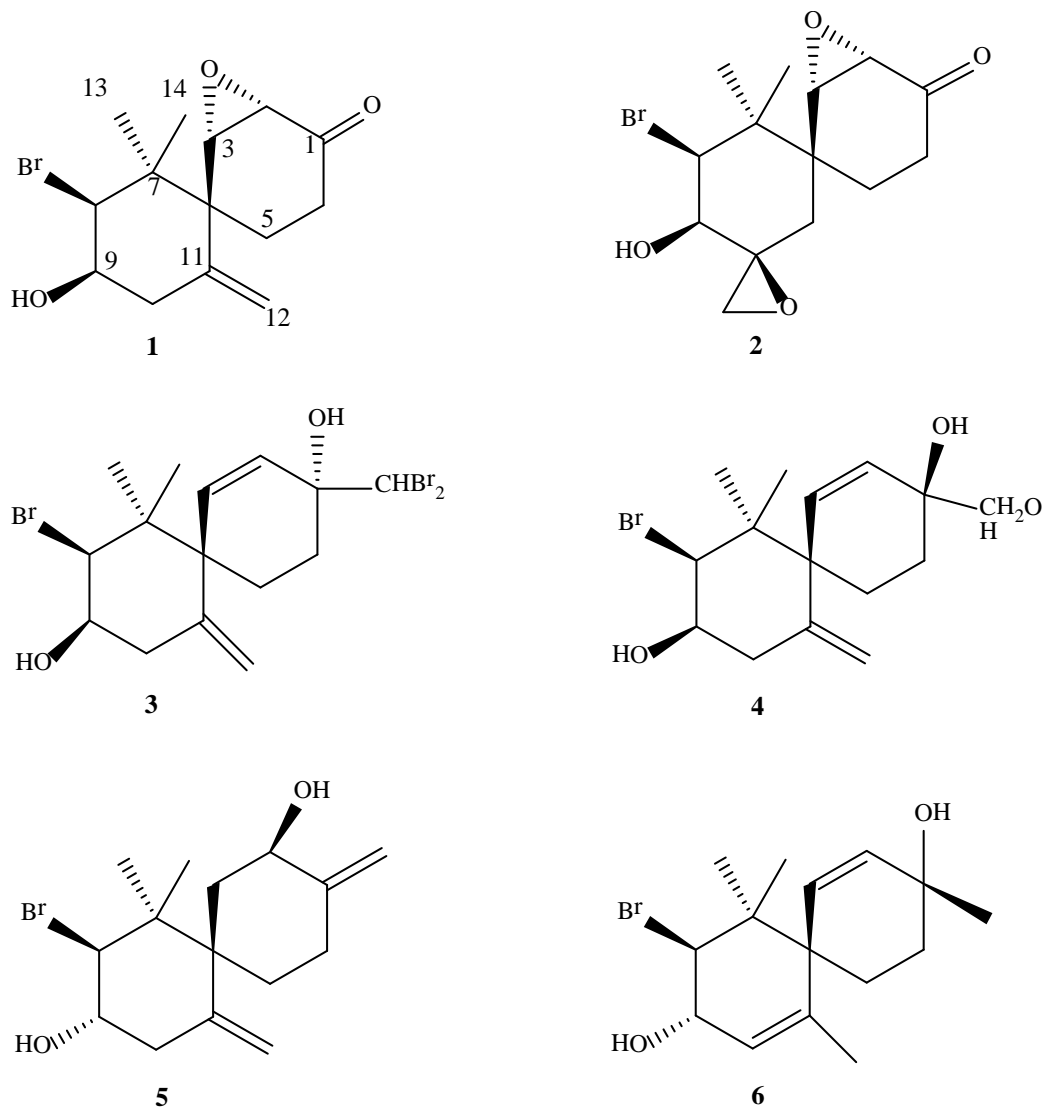


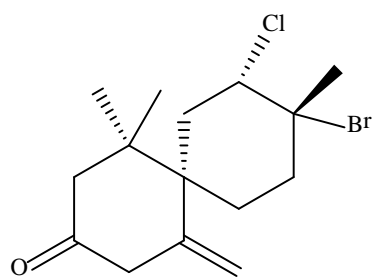
Studies on the Secondary Metabolites from the Formosan red algal *Laurencia tristicha*

Jia-Yu Chen(陳嘉妤), Jyh-Horng Sheu(許志宏)*

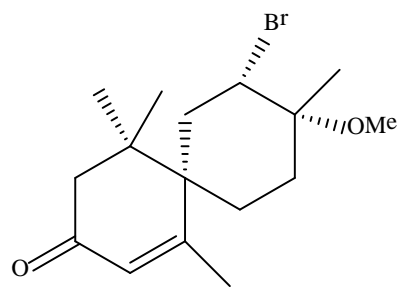
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In order to obtain bioactive compounds, we investigated the chemical constituents of the organic extract of the red alga *Laurencia tristicha*, collected of the Liuchiu Island. This study resulted the isolation of nineteen compounds, including ten new sesquiterpenes, and nine known compounds. The structures of the sesquiterpenes were determined on the basis of extensive spectroscopic analyses (MS, 1D and 2D NMR) and comparison of the spectral data with related known compounds. The structure of **3** was further supported by a single-crystal X-ray diffraction analysis.

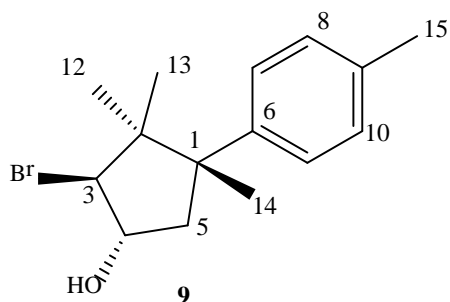




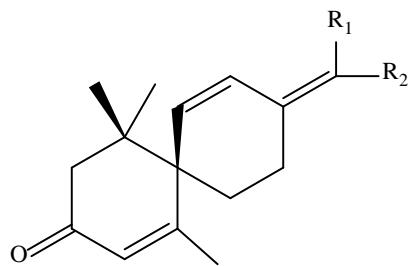
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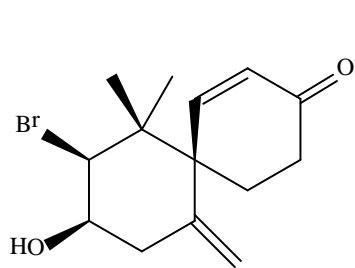
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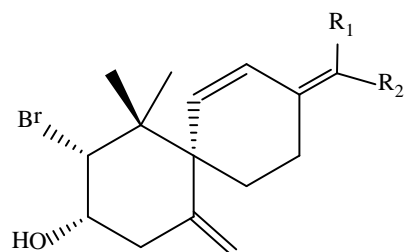
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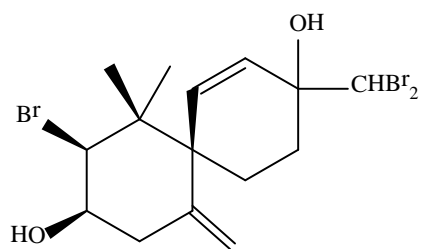
10 $R_1^-H^+ R_2^-Br^-$
11 $R_1^-Br^+ R_2^-H^+$



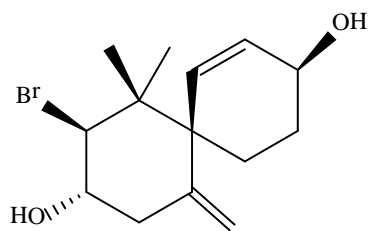
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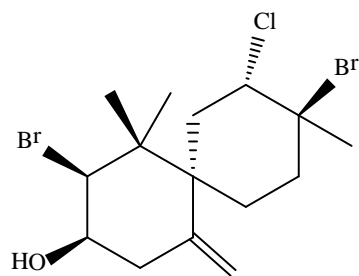
13 $R_1^-H^+ R_2^-Br^-$
14 $R_1^-Br^+ R_2^-H^+$



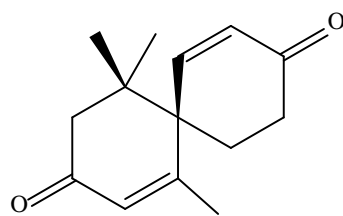
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