

Cytotoxic sesquiterpenoids from soft coral *Capnella imbricata*

ABSTRACT

A new sesquiterpene, capgermacrene H (**1**) was isolated together with 7 other compounds, capgermacrenes A-G (**2-8**), from a population of soft coral *Capnella imbricata* collected from Mantanani Island, Sabah, Malaysia. The structure of this metabolite was elucidated based on spectroscopic data such as nuclear magnetic resonance and high-resolution electrospray ionization mass spectrometry. Capgermacrene A (**2**) showed potent cytotoxicity against adult T-cell leukemia, S1T cells at half-maximal inhibitory concentration of 0.79 µg/mL.