

The anti-inflammatory effect of the marine natural products from the soft coral, *Lobophytum sp.*

探討來自肉形軟珊瑚屬之天然物對抗發炎作用之影響

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Recently, the attempts to develop drugs from marine organisms are greatly increasing with the discovery of a variety number of bioactive natural products, and several of these compounds are now under clinical trials. However, the occurrence of many diseases of mankind and the inflammatory response are closely linked.

Therefore, with the anti-inflammatory drugs for research and development is very urgent.

We have isolated two cembranolides compounds A-1 and A-2, from the soft coral *Lobophytum sarcophytoides*.

In this study, we examined the evaluation of these compounds if they have significantly inhibited the expression of proinflammatory proteins, induced nitric oxide synthetase and cyclooxygenase 2 via in vitro anti-inflammatory activity screening system. And we also use the Western blot method to explore the potential mechanism of natural products and anti-inflammatory effect.