











# Cembranoid Diterpene from Sarcophyton crasscaule, a Softcoral of Timor Sea

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Methodology



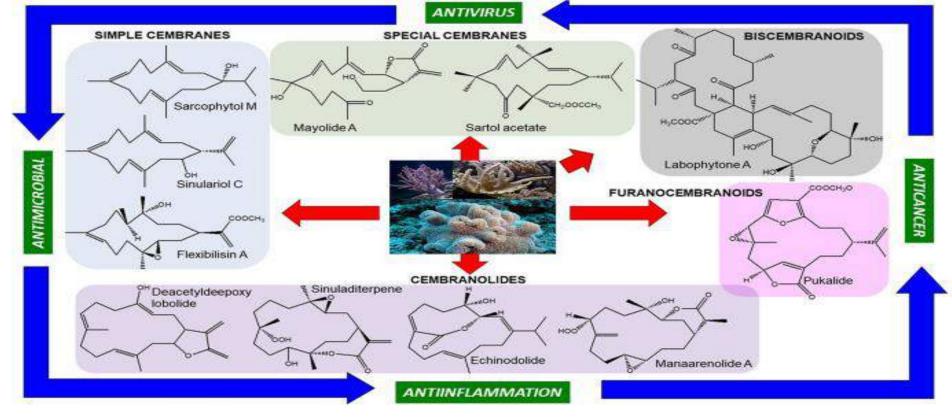
Result and Discussion



Conclusion







The main natural product isolated from soft corals is cembranoids, which act as chemical defense compounds against fish predators. Generally, these metabolites are obtained from the genera **Sarcophyton**, Sinularia, Lobophytum, Eunicea, and Clavularia





Sarcophyton crasscoule from Timor and Semau Islands

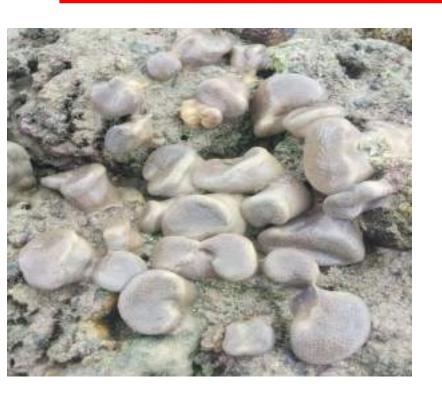


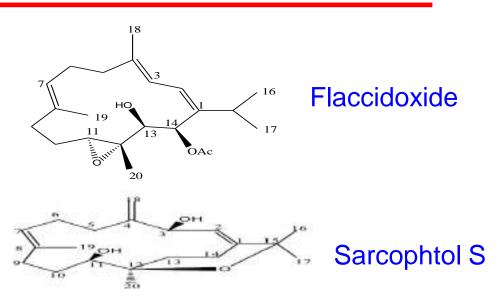
# Fractionation of Softcoral

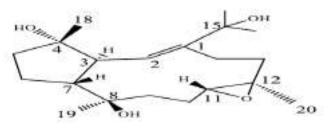




### Cembranoid Diterpene from Semau Island

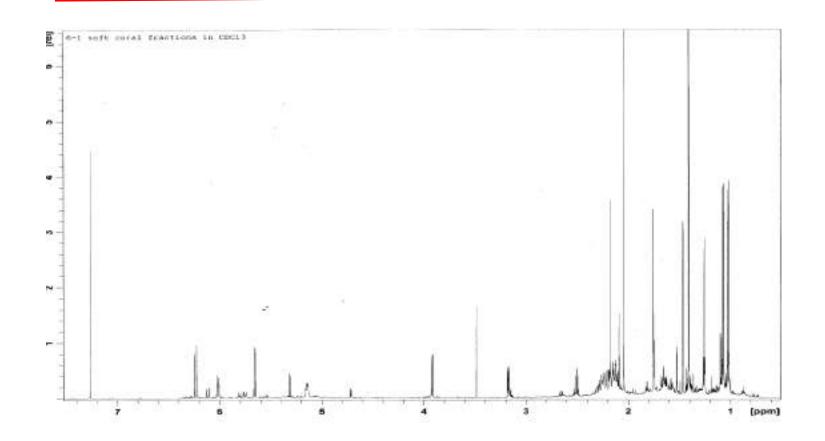


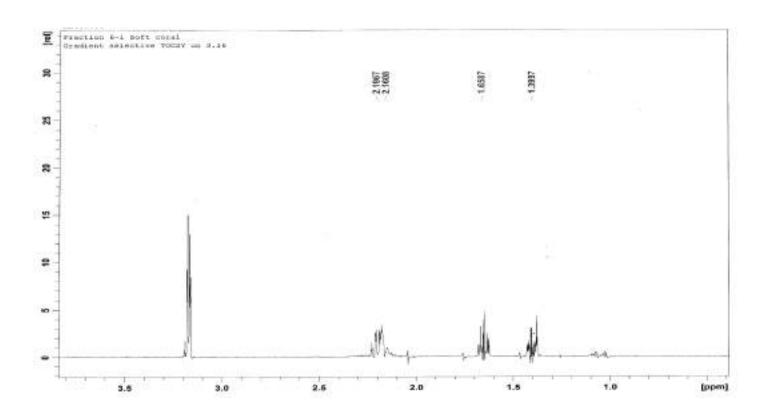


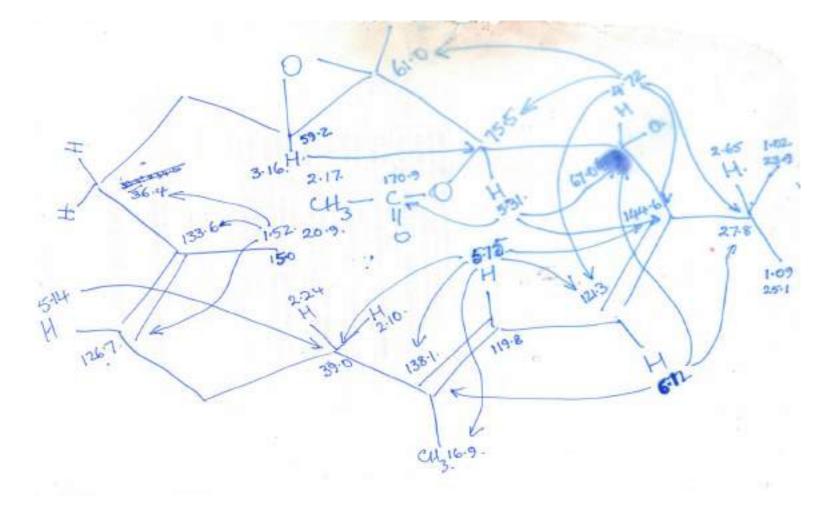


Sarcophtol A

#### Novel Cembranoid Diterpene from Timor Island

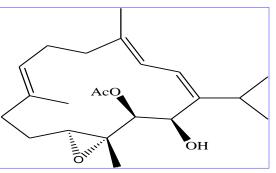




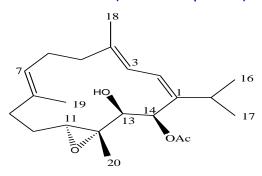


#### Novel Cembranoid Diterpene from Timor Island





#### **Undana B (New Compound)**



 $IC_{50}$  = 13.8 nM against P388 Cell Line

Flaccidoxide

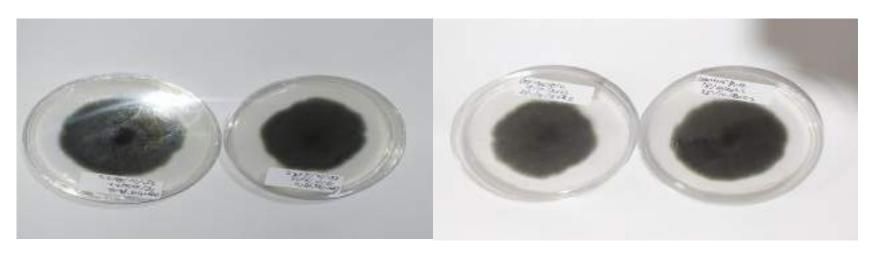
## Flaccidoxide Induces Apoptosis Through Down-regulation of PI3K/AKT/mTOR/p7oS6. Signaling in Human Bladder Cancer Cells

BING-SANG WONG, WEN-TUNG WU, JUI-HSIN SU, YIH-GANG GOAN and YU-JEN WU Anticancer Research December 2021, 41 (12) 5123-5133; DOI: https://doi.org/10.21873/anticances.15432

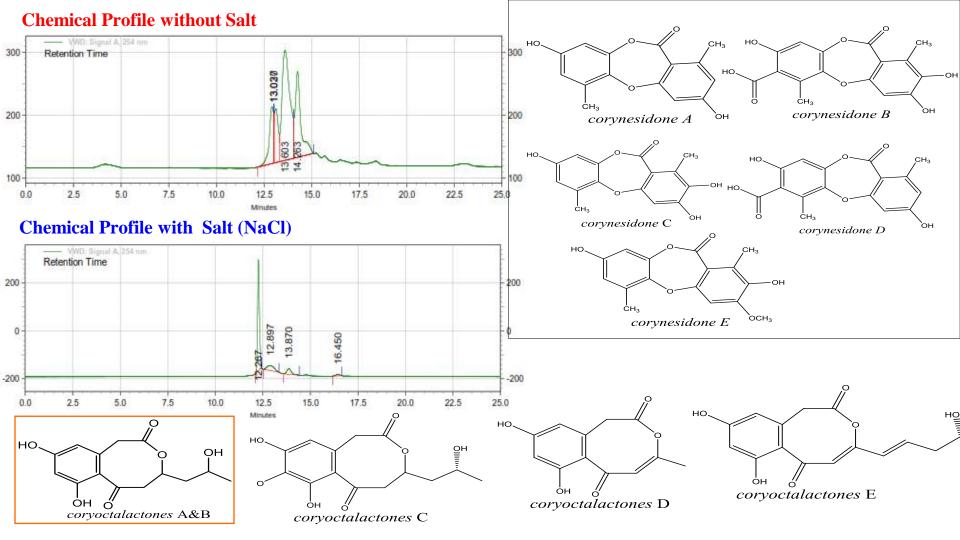
Addito Cart (838).



## Shifting the Chemical Profile of Terrestrial Endophytic Fungi in Artificial Sea Water



Corynespora cassiicola



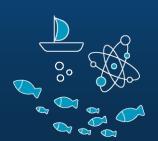


### **Conclusion**

Flaccidoxide and a new Cembranoid Diterpene, Undana B, have been Isolated from Sarcophyton crasscoule

The new cembaranoid diterpene, Undana B showed very strong cytotoxic property

Silent Biosynthetic Genes of Fungi can be activated using OSMAC Approach.





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