

EXC

# DE LA SALLE UNIVERSITY

Isolation and Structural Elucidation of Terpenoids from the Soft Coral  
*Clavularia inflata* (Coelenterata, Octocorallia, Stolonifera)

199300

A Thesis Submitted to  
The Faculty of the Department of Chemistry  
In Partial Fulfillment of the Requirements for the Degree of  
Master of Science in Chemistry

College of Science

by

GLENN VILLAMIEL ALEA

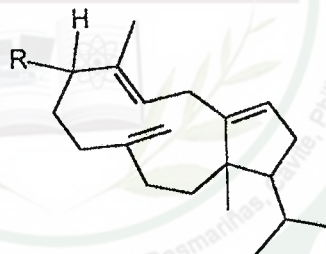
Manila

January 1993

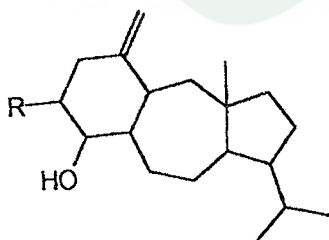


## ABSTRACT

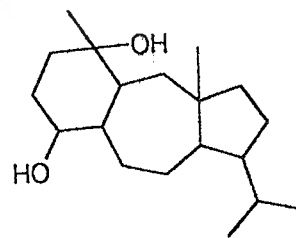
The terpenoid components of the Stolonifer *Clavularia inflata* were studied. A novel diterpene (49) with a methyl migrated dolabellane carbon skeleton was isolated together with three known clavularane compounds (19), (20), and (21). Compound (49) was initially isolated in its acetylated form (50) then hydrolyzed to give the novel compound. The structures of (49), (50), and (21) were elucidated by extensive 1D and 2D NMR Analyses. The structures of (19) and (20) were determined by comparing their proton NMR spectra with those previously reported.



(49) R= OH  
(50) R= OAc



(20) R= H  
(21) R= OH



(19)

