

Thesis Title **CHEMICAL INVESTIGATION OF CLINACANTHUS NUTANS
AND CLINACANTHUS SIAMENSIS**

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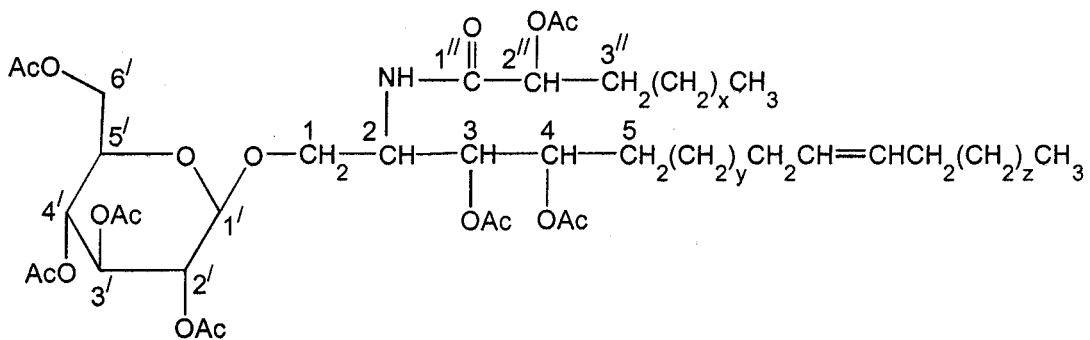
Concentration Chemical Studies

Department Chemistry

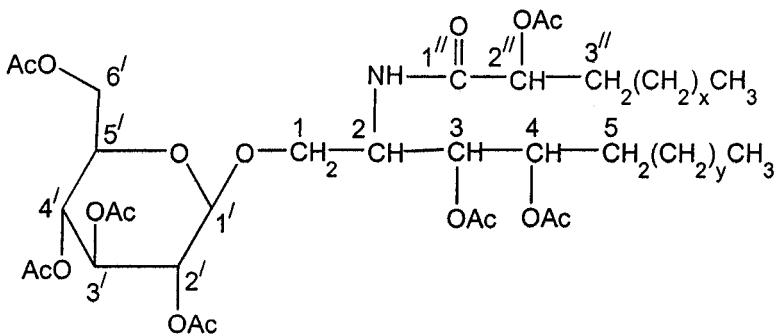
Academic Year 1999

ABSTRACT

Three compounds, **CN-1**, **CN-2** and **CN-3** have been isolated from the ether fraction of ethanolic extract of the fresh leaves of *Clinacanthus nutans*. Structures of **CN-1** and **CN-2** were determined as their acetate derivatives, **CN-1a** and **CN-2a**. The structures of **CN-1a** and **CN-2a** were established on the basis of their spectroscopic data.

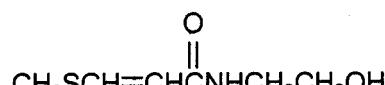


CN-1a

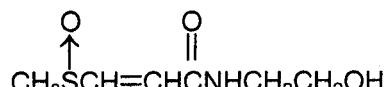


CN-2a

Three sulfur-containing amides, CS-1, CS-2 and CS-3 were isolated from the *n*-butanol fraction of the ethanolic extract of the fresh leaves of *Clinacanthus siamensis*. The structures were determined on the basis of the spectroscopic data. Two other compounds, CS-4 and CS-5 were also isolated from the ether fraction of the ethanolic extract of the fresh leaves of the same plant.



CS-1 (entadamide A)



CS-3 (entadamide C)



CS-2