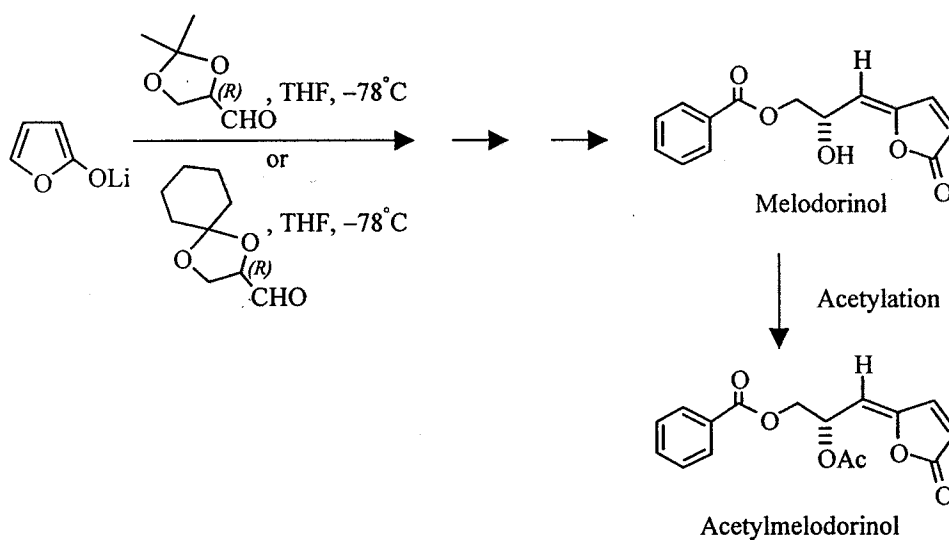


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KEY WORD : MELODORINOL / ACETYLMELODORINOL / MELODORUM  
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ATTASIT LIMPONGPAN : SYNTHESIS OF MELODORINOLS AND  
ANALOGUES. THESIS ADVISORS : MANAT POHMAKOTR, Dr. rer. nat., PATOOMRATANA  
TUCHINDA, Ph.D. 97 P. ISBN 974-663-115-2

Melodorinol and acetylmelodorinol were isolated from *Melodorum fruticosum* (Lamduan, ลำดวน). Both compounds were found to show interesting cytotoxic activities. This thesis studied the synthesis of melodorinol and acetylmelodorinol. The results are summarized below.



Having succeeded in the preparation of melodorinol and acetylmelodorinol, new potential organic compounds possessing significant cytotoxic activities were then considered. In conclusion, these compounds may be finally be used as “drugs” to synthesize melodorinol analogues of types 3a and 3b by employing this developed method.

