

ANTI-INFLAMMATORY ACTIVITY AND EFFECT ON  
GASTRIC MUCOSA OF METHANOL EXTRACT  
FROM THE BARK OF *GARCINIA SPECIOSA*

SOMPRATTANA O-URAI

A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN  
PARTIAL FULFILLMENT OF THE REQUIREMENTS  
FOR THE DEGREE OF  
MASTER OF SCIENCE  
IN PHARMACOLOGY

GRADUATE SCHOOL  
CHIANG MAI UNIVERSITY  
SEPTEMBER 2000

ANTI-INFLAMMATORY ACTIVITY AND EFFECT ON  
GASTRIC MUCOSA OF METHANOL EXTRACT  
FROM THE BARK OF *GARCINIA SPECIOSA*

SOMPRATTANA O-URAI

THIS THESIS HAS BEEN APPROVED  
TO BE A PARTIAL FULFILLMENT OF THE REQUIREMENTS  
FOR THE DEGREE OF MASTER OF SCIENCE  
IN PHARMACOLOGY

EXAMINING COMMITTEE

*Ampai Panthong* .....CHAIRMAN  
Assoc. Prof. Dr. Ampai Panthong

*Duangta Kanjanapothi* .....MEMBER  
Assoc. Prof. Dr. Duangta Kanjanapothi

*Tawat Taesotikul* .....MEMBER  
Asst. Prof. Dr. Tawat Taesotikul

*Udom Boonayathap* .....MEMBER  
Assoc. Prof. Dr. Udom Boonayathap

11 September 2000

## ACKNOWLEDGEMENTS

I am most grateful to those who have made this thesis possible.

I would like to express my deepest gratitude to my advisor, Assoc. Prof. Dr. Ampai Panthong. Without the encouragement and interest of her, this thesis could never have been succeeded.

I am indebted to many of my teachers in Department of Pharmacology, Faculty of Medicine, Chiang Mai University, especially Assoc. Prof. Dr. Duangta Kanjanapothi, for their devotion and enthusiastic teaching, which were instrumental in promoting my educational and ethical development. I am especially grateful to Asst. Prof. Dr. Tawat Taesotikul, for teaching me an analytical and statistical approach to my studies, and also kindly support of my research efforts.

I owe special gratitude to Prof. Dr. Vichai Reutrakul, Department of Chemistry, Faculty of Science, Mahidol University, who supported all animals and plant material in the research.

I am also grateful to my friends who assisted in many of laboratory studies.

Finally, I appreciate many sacrificed animals used in this study.

S. O-URAI