### BRONCHODILATOR ACTIVITY OF THE ETHANOL EXTRACT FROM CLERODENDRUM PETASITES S. MOORE

PARINYANEE CHATLUANG

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
JUNE 2000

## BRONCHODILATOR ACTIVITY OF THE ETHANOL EXTRACT FROM CLERODENDRUM PETASITES S. MOORE

#### PARINYANEE CHATLUANG

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

### **EXAMINING COMMITTEE**

Assoc. Prof. Dr. Ampai Panthong

Duangta Kanjanapothi MEMBER

Assoc. Prof. Dr. Duangta Kanjanapothi

Member

Asst. Prof. Dr. Tawat Taesotikul

Member

14 JUNE 2000

Copyright by the Graduate School, Chiang Mai University

### **ACKNOWNLEDGEMENT**

I would like to express my appreciation and gratitude to Assoc. Prof. Dr. Ampai Panthong, my advisor, for her intensive advice, comment and encouragement which has enabled me to carry out my thesis successfully.

I also wish to express my sincere thanks to Assoc. Prof. Dr. Duangta Kanjanapothi, Asst. Prof. Tawat Taesotikul and to all staff of the Department of Pharmacology, Faculty of Medicine, Chiang Mai University for their intensive teaching, help and guidance throughout my thesis.

P. Chatluang