

**THEORETICAL STUDY ON INFLUENCE OF GEOMETRIES
CONTROLLING OVER THE EXCITED-STATE
INTRAMOLECULAR PROTON TRANSFER
OF 10-HYDROXYBENZO[*h*]QUINOLINE
AND ITS DERIVATIVES AS
FLUORESCENT PROBE**

WARINTHON CHANSEN

MASTER OF SCIENCE

IN CHEMISTRY

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**GRADUATE SCHOOL
CHIANG MAI UNIVERSITY**

APRIL 2017

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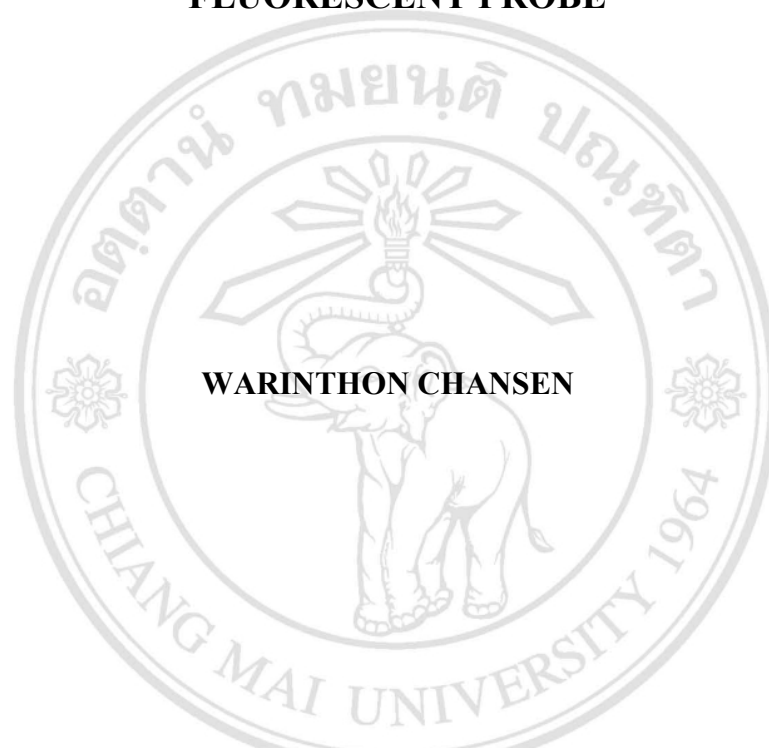
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**A THESIS SUBMITTED TO CHIANG MAI UNIVERSITY IN PARTIAL
FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF
MASTER OF SCIENCE
IN CHEMISTRY**

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

Examination Committee:

Advisor:



Chairman



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(Asst. Prof. Dr. Nawee Kungwan)



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Warinthon Chansen