

**SYNTHESIS AND BIOACTIVITY TESTS OF
THE NOVEL PIPERINE ANALOGUES**

SUPANUT PHATTANASARIN

**MASTER OF SCIENCE
IN CHEMISTRY**

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**THE GRADUATE SCHOOL
CHIANG MAI UNIVERSITY**

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

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**THIS THESIS HAS BEEN APPROVED
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