

**CELLULAR AND MOLECULAR MECHANISMS OF QUERCETIN
AND ITS GLYCOSIDE DERIVATIVES: THE INHIBITION OF
P-GLYCOPROTEIN- AND MRP1-MEDIATED
EFFLUX OF PIRARUBICIN**

WINIT CHOIPRASERT

DOCTOR OF PHILOSOPHY

IN BIOMEDICAL SCIENCE

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THE GRADUATE SCHOOL

CHIANG MAI UNIVERSITY

DECEMBER 2009

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

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**THIS THESIS HAS BEEN APPROVED
TO BE A PARTIAL FULFILLMENT OF THE REQUIREMENTS
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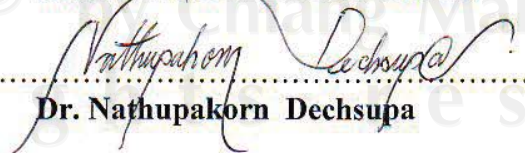
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