



**CHROMENE AND ISOFLAVONOID ACCUMULATION IN  
HAIRY ROOT AND CELL SUSPENSION CULTURE OF  
*PUERARIA CANDOLLEI* VAR. *MIRIFICA***

**MISS ORAPIN UDOMSIN**

**A THESIS FOR THE DEGREE OF MASTER OF PHARMACY  
KHON KAEN UNIVERSITY**

**2012**

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IN PHARMACEUTICALS  
GRADUATE SCHOOL KHON KAEN UNIVERSITY**

**2012**



**THESIS APPROVAL  
KHON KAEN UNIVERSITY  
FOR  
MASTER OF PHARMACY  
IN PHARMACEUTICALS**

**Thesis Title:** Chromene and isoflavonoid accumulation in hairy root and cell suspension culture of *Pueraria candollei* var. *mirifica*

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