

**SINGLE CRYSTAL GROWTH AND STRUCTURAL CHARACTERIZATION
OF NEW COBALT AND LANTHANIDES
COORDINATION POLYMERS**

BUNLAWEE YOTNOI

**DOCTOR OF PHILOSOPHY
IN CHEMISTRY**

**THE GRADUATE SCHOOL
CHIANG MAI UNIVERSITY
SEPTEMBER 2012**

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

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่

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

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