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PHYTOCHEMICAL STUDY
OF
***PYCNARRHENA LUCIDA* (TEIJSM.&BINN.)MIQ.**
STEM

Mr. Surachat Ngorsurachest

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for the Degree of Master of Science in Pharmacy
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Stem
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โดยวิธีทางรงคเลขและการตกผลึก สามารถแยกสารประกอบ 5 ชนิด จากสิ่งสกัดในเอทานอลของต้นกลอนคู่ *Pycnarrhena lucida* (Teijsm.&Binn.)Miq. ได้อัลคาลอยด์ในกลุ่ม bisbenzylisoquinoline 4 ชนิดคือ obamegine, berbamine, limacine และ thalrugosine, และ สเตียรอยด์ คือ β -sitosterol การพิสูจน์เอกลักษณ์และสูตรโครงสร้างทางเคมีของสารทั้ง 5 ชนิดนี้ พิสูจน์โดยการวิเคราะห์ข้อมูลจากสเปกตรัมของ UV, IR, MS และ NMR ร่วมกับการเปรียบเทียบข้อมูลของสารที่พบสูตรโครงสร้างแล้ว สารเคมีดังกล่าวยังไม่เคยมีรายงานว่าพบในพืชชนิดนี้มาก่อน

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BISBENZYLISOQUINOLINE ALKALOIDS/CHEMICAL CONSTITUENTS

SURACHAT NGORSURACHEST : PHYTOCHEMICAL STUDY OF

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By means of chromatographic and crystallization techniques, four bisbenzylisoquinoline alkaloids, obamegine, berbamine, limacine and thalrugosine, a steroid, β -sitosterol were isolated from the ethanol extract of *Pycnarrhena lucida* (Teijsm.&Binn.)Miq. stem. The identification and structure elucidation of the isolated compounds were executed by analyses of the UV, IR, MS and NMR spectral data, as well as comparison of the recorded data with literature value. These compounds have never been reported to be found in this species before.

ภาควิชา.....เภสัชพฤกษศาสตร์.....

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