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A PHYTOCHEMICAL STUDY OF THE ROOT OF

Clausena guillauiminii Tanaka

Miss Krongkaew Naowsaran

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บทคัดย่อ

จากการสกัดสารเคมีในรากต้นสองฟ้า (*Clausena guillauminii* Tanaka) โดยการแยกสกัดด้วยคอลัมน์โครมาโตกราฟีชนิดที่ไซซิลิกา เจลเป็นตัวดูดซับ สามารถแยกสารกลุ่มคูมารินได้ 4 ชนิด และอัลคาลอยด์อีก 2 ชนิด สารที่แยกมาได้นี้นำมาหาสูตรโครงสร้างโดยวิธีทางกายภาพ และทางเคมี ตลอดจนเปรียบเทียบกับสารตัวอย่าง สารต่าง ๆ ที่แยกได้แก่ Clausarin, Dentatin, Osthol, Nordentatin, Heptaphylline และ 7-Methoxyheptaphylline

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ABSTRACT



Extraction of *Clausena guillauminii* Tanaka root by means of silica gel column chromatography, four coumarins and two alkaloids were isolated. All the isolated compounds were characterized by using physical and chemical methods, and compared with authentic compounds. These isolated compounds are Clausarin, Dentatin, Osthol, Nordentatin, Heptaphylline and 7-methoxyheptaphylline.



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