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A PHYTOCHEMICAL STUDY OF THE LEAVES OF  
*CASSIA TIMORIENSIS* DC. AND OF *CASSIA GRANDIS* L.

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Thesis Title      A Phytochemical Study of the Leaves of  
                                 *Cassia timoriensis* DC. and of *Cassia grandis* L.  
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หัวข้อวิทยานิพนธ์	การศึกษาทางพฤกษเคมีของใบซีเหล็กเลือดและของใบกัลปพฤกษ์
ชื่อนิสิต	นางสาววันดี กฤษณพันธ์
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บทคัดย่อ

โดยการใช้สัสมักรังคเลข ซิลิกา เยล (Silica gel column chromatography) ทำให้สามารถแยก บาราคอล (3a,4-dihydro-3a,8-dihydroxy-2,5-dimethyl-1,4-dioxaphenalene) ได้จากใบของต้นซีเหล็กเลือด (*Cassia timoriensis* De Candolle) และแยกได้ Aloe-emodin ซึ่งเป็น Anthraquinone genin จากใบของต้นกัลปพฤกษ์ (*Cassia grandis* Linneus) ทั้งได้ทำการศึกษาคุณสมบัติทางกายภาพ เคมี ของสารประกอบทั้งสองชนิดนี้

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#### ABSTRACT

By mean of silica gel column chromatography, barakol (3a, 4-dihydro-3a,8-dihydroxy-2,5 dimethyl-1,4-dioxaphenalene) and aloemodin, an anthraquinone genin were isolated from the leaves of *Cassia timoriensis* DC. and of *Cassia grandis* L. respectively.

The physical and chemical properties of these compounds were studied.



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