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THE ALKALOIDS FROM THE LEAVES OF *UNCARIA MACROPHYLLA* WALL.

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บทคัดย่อ

ได้ทำการสกัดใบเขาควายแม่หลุบ (*Uncaria macrophylla* Wall.) และแยกอัลกาลอยด์โดยอาศัยเทคนิคทางรังสี เลข และการตกผลึก จากการศึกษาคุณสมบัติทางเคมีและทางกายภาพ พบว่าเป็นอัลกาลอยด์ประเภท tetracyclic oxindoles ๔ ชนิด คือ isorhynchophylline, rhynchophylline, corynoxine และ corynoxine B นอกจากนี้ ได้อัลกาลอยด์ประเภท tetracyclic heteroyohimbine อีก ๑ ชนิด คือ dihydrocorynantheine ซึ่งยังไม่เคยมีรายงานว่าพบในพืชชนิดนี้มาก่อน

v

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ABSTRACT

The leaves of *Uncaria macrophylla* Wall. were extracted ; the alkaloids were isolated and purified by using chromatographic and crystallisation techniques. Their chemical and physical properties were studied and they were identified as four tetracyclic oxindoles, isorhynchophylline, rhynchophylline, corynoxine and corynoxine B. Another tetracyclic hetero-yohimbine was obtained and identified as dihydrocorynantheine which has never been reported to be found in this species before.



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