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ສຳເນົາງ ອັກສັນຕິພາບ : ອົກປະກອບກາງເຄມຂອງຮາກທີ່ນາດ
(Chemical Constituents of the Roots of Sophora exigua Craib)

ອາຈານຍົກປະກາ ຖະໜາດ : ຮອງຄ່າລ່າຍຈາກຮັບ ດຣ.ໂລ່ງກະ ເງສຳຮ່າງ

ອາຈານຍົກປະກາຮ່ວມ : ຮອງຄ່າລ່າຍຈາກຮັບ ຂໍາຍົກປະກາ

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ນໍາຮາກຂອງທີ່ນາດ (*Sophora exigua* Craib) ຕາກແໜ່ງມາລືກດ້ວຍ 95% ເຄານອສ
ແລະລືກດ່າຮັກໄດ້ດ້ວຍ ຄລອໂຣຟອຣົມ, ນ້າ, 80% ເມການອລ, ເອກເຊັນ ຕາມລຳດັບ ນໍາສົ່ງລືກດ່າມາທຳການ
ແບກດ້ວຍວິຣີ ຄອສົນໂຄຣມາໂທກຣາີ, ຄວິກຄອສົນໂຄຣມາໂທກຣາີ ສໍາມາດແຍກລ່າຍໄດ້ 5 ຊົນດີ ກາຣ
ວິເຄຣະຫຼຸດຕະໂຄຣງລ້ຽງຂອງລ່າຍທັງໝົດ ອາສີຍໍລົມປັດທາງກາຍກາພ, ລົມປັດທາງເຄມີ ແລະຂ່ອມູລກາງ
ສັເປັໂທລະໂຄ ປີ ໄດ້ແກ່ ອິນຝຣາເຣດລ່ເປັດຕັມ, ໂປຣຕອນເອັນເວັມອາຮ໌ເປັດຕັມ, ອາຮັບອນ-13
ເວັນເວັມອາຮ໌ສັເປັດຕັມ, ^1H - ^1H .Cosy, ^1H - ^{13}C Noesy, C-H Correlation ແລະແມ່ລືສັເປັດຕັມ
ສໍາມາດວິເຄຣະຫຼຸດຕະໂຄຣງລ້ຽງຂອງລ່າຍໄດ້ 4 ຊົນດີເກືອ

8-Lavandulyl-7-methoxy-5,2',6'-trihydroxyflavanone

8-Lavandulyl-3,5,7,2',6'-pentahydroxyflavanone

8-Lavandulyl-5,7,2',4',6'-pentahydroxyflavanone

8-Lavandulyl-5,7,2',6'-tetrahydroxyflavanone

ສໍາຫຼັບລ່າຍທີ 5 ຢຶ່ງໄໝກຮາບສູດຕະໂຄຣງລ້ຽງຂໍ້ແນ່ໆນອນ

: MAJOR

KEY WORD: SAMNEANG API SANTHIYAKOM : CHEMICAL CONSTITUENTS OF THE ROOTS OF
Sophora exigua Craib

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Dry roots of *Sophora exigua* craib were extracted with 95 % ethanol and the obtained material was further extracted by chroroform, water, 80 % methanol and hexane, respectively, Separation by column chromatography, quickcolumn chromatography, from which five compounds were separated. Identification was carried out by using physical and chemical properties including IR, ^1H - ^1H NMR, ^{13}C -NMR, ^1H - ^1H Cosy, ^1H - ^{13}C Noesy, and mass spectra. The four identified compounds were

8-Lavandulyl-7-methoxy-5,2',6'-trihydroxyflavanone

8-Lavandulyl-3,5,7,2',6'-pentahydroxyflavanone

8-Lavandulyl-5,7,2',4',6'-pentahydroxyflavanone

8-Lavandulyl-5,7,2',6'-tetrahydroxyflavanone

for the fifth compound can not elucidate the molecular structure