

论文

国药中黄酮类的研究(VI) 桑寄生化学成分的研究(第二报) 广寄生中槲皮素及其配糖体的分离

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摘要:

关键词:

STUDIES ON THE FLAVONOIDS IN CHINESE DRUG(VI)CHINESE MISTLETOE(II)THE ISOLATION OF FLAVONEARABINOSIDE FROM KWANG-CHI -SHENG (LORANTHUS PARACITICUS L.)

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Abstract:

It has been reported in the previous paper the composition of Chinese mistletoe "Pei-Chi-Sheng" (Viscum albiun L. var. coloration Kom.) . The chemical constituents in South China mistletoe "Kwang-Chi-Sheng" [Loranthus paraciticus L. (Merr.)] has been investigated in the present work. Two kinds of crystalline substances have been isolated: one kind of pale yellow needles, m.p. 214-215°C, C₂₀H₁₈O₁₁, yield 0.4%, and the other golden yellow needles, m.p. 310-313°C, C₁₅H₁₀O₇, yield 0.02%. The former was identified as quercetin-3-arabinoside, which has the same chemical structural formula as "Avicularin" (From polygonum aviculare L.). It is, however, the first time to discover the compound in Loranthus L. The arabinoside is a powerful diuretic. The second compound was quercetin which was identified by its acetylated and exhaustive-methylated products.

Keywords:

收稿日期 修回日期 网络版发布日期

DOI:

基金项目:

通讯作者:

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