

论文

白首乌化学成分的研究

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摘要:

自白首乌主要品种耳叶牛皮消(Cynanchum auriculatum Royle ex Wight)根中首次分得三个已知甾体酯型甙元:告达亭(caudatin),开德甙元(kidjolanin),萝藦甙元(Metaplexigenin)和一种新的二苯酮生物(IV),经光谱分析推定其结构为2,6,2',5'-四羟基,3-乙酰基,6'-甲基二苯酮,命名白首乌二苯酮。

关键词: 白首乌 耳叶牛皮消 告达亭 开德甙元 萝藦甙元 白首乌二苯酮

STUDIES ON CONSTITUENTS OF CHINESE TRADITIONAL DRUG BAI SHOUWU (CYNANCHUM AURICULATUM ROYLE EX WIGHT)

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Abstract:

The botanical source of Baishouwu are chiefly the root tuber of Cynanchum auriculatum Royle ex Wight, family Asclepiadaceae. In this paper, the separation and the structure elucidation of three pregnane ester type aglycones and a benzophenone derivative from this plant are described. On the basis of UV, IR, ¹HNMR, ¹³CNMR and MS spectroscopic analysis the compounds were identified as caudatin I, kidjolanin II, metaplexigenin III and baishouwubenzophenone IV, the last one being a new natural product.

Keywords: Cynanchum auriculatum Royle ex Wight Asclepiadaceae Caudatin Kidjolanin Metaplexigenin Baishouwubenzophenone. Baishouwu

收稿日期 1987-04-17 修回日期 网络版发布日期

DOI:

基金项目:

通讯作者:

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