

论文

柴胡皂甙m和柴胡皂甙n的结构鉴定

张如意;陈喜奎;杨宪斌;谭利;贺文义

北京医科大学药学院,北京100083; \*\*中国医学科学院中国协和医科大学药物研究所,北京100050

摘要:

从黑柴胡(*Bupleurum smithii* Wolff)根中分得二个新三萜皂甙。根据理化性质和波谱数据,分别鉴定为3β,23,28-三羟基齐墩果烷-11,13(18)-二烯-3-O-β-D-吡喃葡萄糖基-(1→3)-β-D-吡喃呋糖甙,命名为柴胡皂甙m(saikosaponin m,IV),和3β,16β,23,28-四羟基齐墩果烷-11,13(18)-二烯-3-O-β-D-吡喃葡萄糖基-(1→6)-[α-L-吡喃鼠李糖基-(1→4)]-β-D-吡喃葡萄糖甙,命名为柴胡皂甙n(saikos-aponinn,IX)。

关键词: 黑柴胡 三萜皂甙 柴胡皂甙m 柴胡皂甙n

THE STRUCTURES OF SAIKOSAPONIN M AND N FROM *BUPLEURUM SMITHII* WOLFF

RY Zhang;XK Chen;XB Yang;WY Heand L Tan

Abstract:

From the roots of *Bupleurum Smithii* Wolff, collected in Minhe County, Qinghai, China, two new saikosaponins were isolated and their structures were elucidated on the basis of spectral analysis of UV, IR, <sup>1</sup>H NMR, <sup>13</sup>C NMR and FAB-MS. The two new saponins named as saikosaponin m and saikosaponin n, were identified as 3β,23,28-trihydroxyoleana-11,13(18)-dien-3-O-β-D-glu-copyranosyl-(1→3)-β-D-fucopyranoside and 3β,16β,23,28-tetrahydroxyoleana-11,13(18)-dien-3-O-β-D-glucopyranosyl-(1→6)-[α-L-rhamnopyranosyl(1→4)]-β-D-glucopyranoside, respectively.

Keywords: *Bupleurum smithii* Wolff, Saikosaponin m, Saikosaponin n, Triterpenoidal saponin.

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