

论文

款冬花化学成分的研究

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摘要:

从中药款冬花中分出一个新萜类成分,命名为款冬花素(farfaratin, I)经红外、紫外、质谱、碳谱分析,最后经X-ray衍射确定结构。

关键词: 款冬花 款冬花素

CHEMICAL STUDIES OF FLOWER BUDS OF *TUSSILAGO FARFARA* L.

CD Wang; H Takayanagi ; CF Mi; BL Qiao; J Yang ; QT Zheng and CH He

Abstract:

We have studied the flower buds of *Tussilago farfara* L. collected from Yulin county Shaanxi Province and have isolated a new terpenoid compound I with the composition C<sub>23</sub>H<sub>34</sub>O<sub>5</sub>, M<sup>+</sup> 390.2416, mp 100~101°C. On basis of physical and chemical properties and spectroscopic analysis (UV, IR, <sup>1</sup>HNMR, <sup>13</sup>CNMR, <sup>1</sup>H-<sup>1</sup>H-COSY, <sup>13</sup>C-<sup>1</sup>H-COSY DEPT, EI-MS, FAB-MS, HR-MS) and X-ray, the Structure of I has been elucidated as a novel sesqui terpenoid compound, which is named farfaratin.

Keywords: Farfaratin *Tussilago farfara* L.

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