

论文

苦玄参中一个新苦玄参酮苷的分离与结构鉴定

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摘要:

目的研究苦玄参的三萜类化学成分。方法采用大孔树脂、硅胶柱色谱纯化, 经理化常数、光谱学方法鉴定结构。结果分离得到了2个三萜成分, 分别鉴定为3,11,22-三羰基-16 α -羟基-(20S,24)-环氧苦味素-5,23-二烯(1)和3,11,22-三羰基-16 α -羟基-(20S,24)-环氧苦味素-5,23-二烯-2 β -O- β -D-吡喃葡萄糖苷(2)。结论化合物1为已知化合物苦玄参酮I, 其¹³CNMR数据为本文首次报导; 化合物2为新三萜皂苷。

关键词: 苦玄参 三萜 苦玄参苷

A new picfeltarraenone glycoside from *Picria fel-terrae*

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Abstract:

AimTo investigate the chemical constituents from *Picria fel-terrae* Lour. Methods Column chromatography techniques were used to isolate the chemical constituents, physico-chemical constants and spectroscopic analysis were employed for structural elucidation. ResultsTwo triterpenoids named picfeltarraenone I (1) and picfeltarraenin XI (2) were isolated, and their structures were established to be 3,11,22-trioxo-16 α -hydroxy-(20S, 24)-epoxy-cucurbit-5, 23- diene (1) and 3,11,22-trioxo-16 α -hydroxy-(20S, 24)-epoxy-cucurbit-5, 23-diene-2 β -O- β -D-glucoopyranoside (2), respectively.

ConclusionCompound 2 is a new compound, the ¹³CNMR data of compound 1 is reported for the first time.

Keywords: *triterpenoid* picfeltarraenin *Picria fel-terrae*

收稿日期 2004-06-05 修回日期 网络版发布日期

DOI:

基金项目:

通讯作者: ZOU Jie-ming

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