

论文

高良姜根茎中的一个新糖苷

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摘要:

目的对高良姜(Alpinia officinarum Hance)根中的糖苷类成分进行分离和结构鉴定。方法通过大孔树脂、聚酰胺和凝胶反复柱色谱分离得到糖苷类化合物;利用多种波谱技术鉴定其化学结构。结果分离鉴定了2个糖苷类化合物,其结构分别为4'-羟基-2'-甲氧基苯酚-β-D-{6-O- [(4"-羟基-3", 5"-二甲氧基)苯甲酸]}-吡喃葡萄糖苷(I)和正丁基-β-D-吡喃果糖苷(II)。结论化合物I为新化合物,命名为高良姜苷A,化合物II为首次从该属植物中分离得到。

关键词: 高良姜 糖苷 高良姜苷A

A new glycoside from *Alpinia officinarum*

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Abstract:

AimTo investigate the glycosidic constituents in the rhizomes of *Alpinia officinarum* Hance. MethodsThe isolation and purification of glycosides were done with column chromatography on macro porous resin, polyamides and Sephadex LH-20, whilst the structure elucidation was done by HRCI-MS and NMR (1D and 2D) methods. ResultsA glycosidic ester identified as 4'-hydroxy-2'-methoxyphenol-β-D-{6-O- [4"-hydroxy-3", 5"-dimethoxy(benzoate)] }-glucopyranoside (I), along with a known compound *n*-butyl-β-D-fructopyranoside (II), were isolated and characterized. ConclusionI was found to be a new compound, named as alpinoside A, whilst II was isolated from the genus *Alpinia* for the first time.

Keywords: glycosides alpinoside A *Alpinia officinarum*

收稿日期 2005-09-29 修回日期 网络版发布日期

DOI:

基金项目:

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