



棒锤瓜化学成分研究

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中文摘要: 目的: 研究棒锤瓜 *Neosalsomitra integrifoliola* 叶乙醇提取物正丁醇部位的化学成分。方法: 应用各种色谱技术进行分离纯化, 用MS和NMR分析鉴定化合物结构。结果: 从95%乙醇提取物的正丁醇部位分离得到8个化合物, 包括4个芸香糖苷类化合物: 2-甲基乙醇芸香糖苷(1), 芦丁(2), 山奈酚-3-O-(6'-O- α -L-鼠李吡喃糖基)- β -D-葡萄糖吡喃糖苷(3), 异鼠李素-3-O-(6'-O- α -L-鼠李吡喃糖基)- β -D-葡萄糖吡喃糖苷(4); 和4个其他类化合物: 绿原酸甲酯(5), 鸟苷(6), 腺苷(7), 肌-肌醇(8)。结论: 8个化合物均为首次从该属植物中发现。

中文关键词: 葫芦科 棒锤瓜 芸香糖苷

Chemical constituents of *Neosalsomitra integrifoliola*

Abstract: Objective: To study the chemical constituents of the *n*-BuOH fraction of 95% ethanolic extract of leaves of *Neosalsomitra integrifoliola*. Method: The compounds were isolated with kinds of column chromatography. The structures were determined by MS and NMR spectroscopic techniques. Result: Eight compounds were isolated from the *n*-BuOH fraction of 95% ethanolic extract and their structures were identified as 2-phenylethyl rutinoside(1), rutin(2), kaempferol-3-O- α -L-rhamnopyranosyl-(1 \rightarrow 6)- β -D-glucopyranoside(3), isorhamnetin-3-O- α -L-rhamnopyranosyl-(1 \rightarrow 6)- β -D-glucopyranoside(4), methyl chlorogenate(5), guanosine(6), adenosine(7), myo-inositol(8), respectively. Conclusion: All compounds were isolated from this genus for the first time.

keywords: Cucurbitaceae *Neosalsomitra integrifoliola* glycosides

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