

论文

膜荚黄芪中新异黄酮苷的结构鉴定

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摘要:

关键词: 膜荚黄芪 异黄酮苷

A NEW ISOFLAVONE GLUCOSIDE FROM *ASTRAGALUS MEMBRANACEUS*

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Abstract:

AIM: To investigate the chemical constituents of the root of *Astragalus membranaceus* (Fisch) Bunge from Xu Zhou. METHODS: The compounds were separated by D₁₀₁ macroporous absorbing resins and rechromatography on silica gel. Their structures were determined by spectral analysis. RESULTS: Eight compounds were isolated. They were elucidated as 3'-methoxy-5'-hydroxy-isoflavone-7-O-β-D-glucoside (1) astramembrannin I (2), astramembrannin II (3), astragaloside III (4), cycloanthoside E (5), acetyastragalosid I (6), β-sitosterol (7) and daucosterol (8). CONCLUSION: Compound 1 was a new compound and 5 was isolated from the root of *Astragalus membranaceus* (Fisch.) Bunge for the first time.

Keywords: isoflavone glucoside *Astragalus membranaceus*

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