

论文

西陵知母中新芒果甙的分离与结构鉴定

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摘要:

关键词: 知母 芒果甙 新芒果甙

ISOLATION AND STRUCTURE DETERMINATION OF XANTHONE GLYCOSIDES OF ANEMARRHENA ASPHODELOIDES

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Abstract:

Xilingzhimu, the rhizomes of Anemarrhena asphodeloides Bunge (Liliaceae), has been prescribed as antipyretic, anti-inflammatory, diuretic and hypoglycemic agents in Chinese traditional medicine. In this paper, two xanthone glycosides I and II, were isolated from Xilingzhimu by conventional method. The structures of I and II were identified on the basis of chemical reactions and UV, IR, ¹HNMR, ¹³CNMR and DEPT. Compound I was identified as mangiferin and II is a new compound, named neomangiferin. Its structure is 7-O-β-D-glucopyranosyl mangiferin.

Keywords: Mangiferin Neomangiferin Anemarrhena asphodeloides

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