

论文

川麦冬中的新呋甾皂苷的分离与鉴定

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摘要:

从川麦冬块根总皂苷中分离并鉴定了4个双糖链甾体皂苷化合物, 其中化合物1为新化合物, 化合物2~4是已知化合物.

关键词: 川麦冬 甾体皂苷 麦冬呋甾皂苷A

Separation and Identification of New Furosteroidal Saponin from *Ophiopogon japonicus*(Thunb.) Ker-Gawl

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Abstract:

Traditional Chinese Medicine "maidong"[*Ophiopogon japonicus*(Thunb.) Ker-Gawl] is the important medicine used to treat cardiovascular diseases. A new furosteroidal saponin, together with three known steroidal saponins, was isolated from the tuber of *Ophiopogon japonicus*(Thunb.) Ker-Gawl. The structure of the new furosteroidal saponin, named Ophiopogoside A, was elucidated as 26-*O*- $\beta$ -*D*-glucopyranosyl-(25*S*)-1 $\beta$ ,3 $\beta$ ,22*a*,26-tetrahydroxyfurot-5-ene 3-*O*-[- $\alpha$ -*L*-arabinopyranosyl(1 $\rightarrow$ 3)]- $\alpha$ -*L*-rhamnopyranosyl(1 $\rightarrow$ 2)- $\beta$ -*D*-fucopyranoside mainly by using 1D, 2D NMR techniques, ESI-MS analysis as well as chemical methods.

Keywords: *Ophiopogon japonicus* Steroidal saponin Ophiopogoside A

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