

研究简报

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](#)

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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- β -D-glucopyranosyl-(25S)-1 β ,3 β ,22 α ,26-tetrahydroxyfurot-5-ene 3-O-[- α -L-arabinopyranosyl(1 \rightarrow 3)]- α -L-rhamnopyranosyl(1 \rightarrow 2)- β -D-fucopyranoside mainly by using 1D, 2D NMR techniques, ESI-MS analysis as well as chemical methods.

Key words [Ophiopogon japonicus](#) [Steroidal saponin](#) [Ophiopogoside A](#)

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