SUPPLEMENTARY MATERIAL

Two new dammarane-type triterpenoid saponins from ginseng medicinal fungal substance

Wei Xu¹, Jin-hui Zhang¹, Xin Liu, Ai-ling Jia, Xiao-li Liu, Xin-wen Wang and Zhi-dong Qiu*

¹ These authors contributed to the work equally and should be regarded as co-first authors.

Affiliation

College of Pharmacy, Changchun University of Chinese Medicine, Changchun, China

Abstract

Two new triterpenoid saponins, namely ginsenoside Re₈ (1) and notoginsenoside ST-8 (2), were isolated from ginseng medicinal fungal substance. Their structures were elucidated by spectroscopic data and chemical analysis.

Keywords: ginseng medicinal fungal substance; ginsenoside Re₈; notoginsenoside ST-8
**Figure S1** HR-ESI-MS spectrum of compound 1

**Figure S2** $^1$H-NMR spectrum (500 MHz in CD$_3$OD) of compound 1

**Figure S3** $^{13}$C-NMR spectrum (125 MHz in CD$_3$OD) of compound 1

**Figure S4** HMQC spectrum of compound 1

**Figure S5** HMBC spectrum of compound 1

**Figure S6** HR-ESI-MS spectrum of compound 2

**Figure S7** $^1$H-NMR spectrum (500 MHz in CD$_3$OD) of compound 2

**Figure S8** $^{13}$C-NMR spectrum (125 MHz in CD$_3$OD) of compound 2

**Figure S9** HMQC spectrum of compound 2

**Figure S10** HMBC spectrum of compound 2

**Figure S11** 2D-NMR correlations
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**Figure S3** $^{13}$C-NMR spectrum (125 MHz in CD$_3$OD) of compound 1

**Figure S4** HMQC spectrum of compound 1
Figure S5 HMBC spectrum of compound 1

Figure S6 HR-ESI-MS spectrum of compound 2
Figure S7 $^1$H-NMR spectrum (500 MHz in CD$_3$OD) of compound 2

Figure S8 $^{13}$C-NMR spectrum (125 MHz in CD$_3$OD) of compound 2
Figure S9  HMQC spectrum of compound 2

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Figure S11 2D-NMR correlations