SUPPLEMENTARY MATERIAL

Two New Dammarane-type Triterpene Sapogenins from Chinese Red Ginseng

Qian Zheng, Jinping Liu, Liu Han, Nanqi Zhang, Hao zhang, Jinluan Zhang, Pingya Li*

Institute of Frontier Medical Science of Jilin University, Changchun 130021, China

Abstract

Two new dammarane-type triterpene sapogenins were isolated from the Chinese red ginseng. The new sapogenins were named as 24, 26-dihydroxy-panaxdiol (1) and 24-hydroxy-panaxdiol (2). Their structures were elucidated by the combined analysis of NMR and mass spectrometry as 20(S), 25(R)-epoxydammarane-3 β , 12 β , 24 β , 26 - tetraol (1) and 20(S), 25-epoxydammarane-3 β , 12 β , 24 α -triol (2). The complete signal assignments of the two compounds were carried out by 2D NMR spectral and NOE differential spectroscopy analysis.

Figure. S1 Important HMBC correlations and NOEs Observed for 1

Figure. S2 Important HMBC correlations and NOEs Observed for 2

Figure. S3 The NMR spectra of compound 1

Figure. S4 The NMR spectra of compound 2