SUPPLEMENTARY MATERIAL

A NEW SESQUITERPENE FROM THE BARKS OF *Manglietia hookeri*

Yangmei Bao^a, Wenshu Wang^{ab*}, Haibo Wu^{ab}, Muge Qi^a, Jiajie Li^a, Yujie Yang^a.

^a*College of Life and Environmental Sciences, Minzu University of China, Beijing 100081, P.R. China*

^b*Beijing Engineering Research Center of Food Environment and Health, Minzu University of China, Beijing 100081, P.R. China*

A new sesquiterpene manghookerins A (**1**), was isolated from the barks of *Manglietia hookeri* (Magnoliaceae), together with five known eudesmane-type sesquiterpenes. The structure of manghookerins A (**1**) was elucidated by physical and spectroscopic data analysis, including 1D and 2D NMR, HR-ESI-MS and X-ray diffraction. The structures of known sesquiterpenes were established by comparing their spectroscopic data with those in literatures.

Keywords: *Manglietia hookeri*; manghookerins A; eudesmane-type sesquiterpene; X-ray diffraction

Contents

Figure S1. HR-ESI-MS of compound **1**.

Figure S2. IR spectra of compound **1**.

Figure S3. ^1H -NMR of compound **1**.

Figure S4. ^{13}C -NMR of compound **1**.

Figure S5. DEPT of compound **1**.

Figure S6. ^1H - ^1H COSY of compound **1**.

Figure S7. HSQC of compound **1**.

Figure S8. HMBC of compound **1**.

Figure S9. NOESY of compound **1**.

Figure S10. The key correlations of COSY (bold lines) and HMBC (arrows from H to C) for compound **1**.

Figures S11. NOESY correlations of compound **1**.

Figure S1. HR-ESI-MS of compound **1**.

Figure S2. IR spectra of compound **1**.

Figure S3. ¹H-NMR of compound **1**.

Figure S4. ¹³C-NMR of compound **1**.

Figure S5. DEPT of compound **1**.

Figure S6. ^1H - ^1H COSY of compound **1**.

Figure S7. HSQC of compound **1**.

Figure S8. HMBC of compound **1**.

Figure S9. NOESY of compound **1**.

Figure S10. The key correlations of COSY (bold lines) and HMBC (arrows from H to C) for compound **1**.

Figures S11. NOESY correlations of compound **1**.