Mulberroside A possesses potent uricosuric and nephroprotective effects in hyperuricemic mice

Cai-Ping Wang¹, Yemin Wang¹,², Xing Wang¹, Xian Zhang¹, Jian-Feng Ye³, Lin-Shui Hu⁴, Ling-Dong Kong¹

Affiliation

¹ State Key Laboratory of Pharmaceutical Biotechnology, School of Life Sciences, Nanjing University, Nanjing, P. R. China

² Division of Human Biology, Fred Hutchinson Cancer Research Center, Seattle, WA, USA

³ Zhejiang Institute of Traditional Chinese Medicine & Natural Drug, Hangzhou, P. R. China

⁴ Zhejiang Conba Pharmaceutical Co., Ltd., Lanxi, P. R. China

Correspondence

Ling-Dong Kong

School of Life Sciences

Nanjing University

Nanjing 210093

P. R. China

Tel.: +86/25/8359/4691

Fax: +86/25/8359/4691
Fig. 1S $^1$H-NMR spectra of mulberroside A. $^1$H-NMR spectra were recorded on a Bruker DPX-500MHZ NMR spectrometer. The samples were dissolved in DMSO-d$_6$. 
Fig. 2S  $^{13}$C-NMR spectra of mulberroside A. $^{13}$C-NMR spectra were recorded on a Bruker DPX-500MHZ NMR spectrometer. The samples were dissolved in DMSO-$d_6$. 
**Fig. 3S** EI-MS spectra of mulberroside A. EI-MS spectra were performed on a MARINER API-TOF workstation.
Fig. 4S HPLC spectra of mulberroside A. Analyses were performed on a Waters 2695 chromatograph equipped with a 2998 Photodiode Array Detector. A Diamonsil C18 column (5 µm, 4.6 × 250 mm) was employed for the separation, eluting with methanol: H₂O (25:55, v/v) at the rate of 1 mL/min. The separating temperature was set at 35°C.