

Supplementary Material

Diosbulbin B Induced Mitochondria-Dependent Apoptosis in L-02 Hepatocytes is Regulated by ROS-Mediated Autophagy

Jing Ye^{1a}, Mei Xue^{2a}, Yamin Liu³, Sirui Zhu¹, Yu Li¹, Xiaoli Liu¹, Danhong Cai¹, Jia Rui, Liang Zhang^{1b}

¹College of Pharmacy, Nanjing University of Chinese Medicine, Nanjing, Jiangsu, China

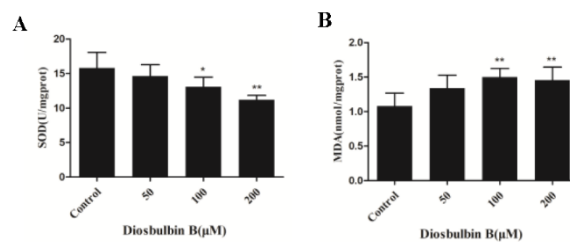
²College of Preclinical Medicine, Nanjing University of Chinese Medicine, Nanjing, Jiangsu, China

³Department of Pharmacy, Zhongda Hospital, Southeast University, Nanjing Jiangsu, China

^aThese authors contributed equally to this work.

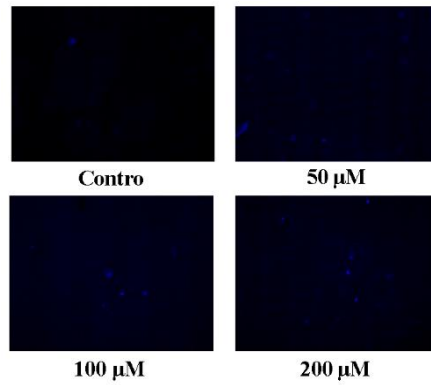
^bAddress correspondence to Liang Zhang, College of Pharmacy, Nanjing University of Chinese Medicine, Nanjing, Jiangsu, China (Zhangl_1999@163.com)

Supplementary Fig S1



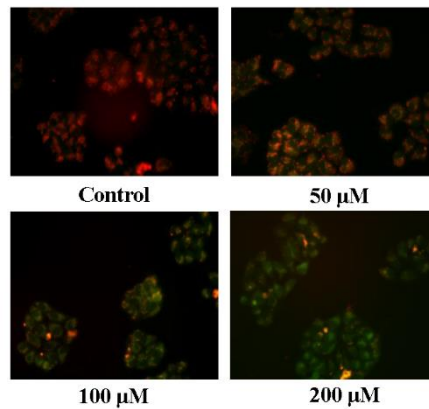
(A-B) The levels of MDA and SOD in cells treated with DB(0,50,100,200μM) for 48h were analyzed with a microplate reader. **P<0.01, *P<0.05, compared to control group.

Supplementary Fig S2



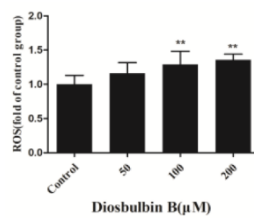
MDC staining assay was applied to detect autophagy in L-02 cells treated with DB(0,50,100,200μM) for 48h.

Supplementary Fig S3



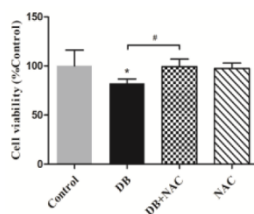
The fluorescent images of JC-1 staining in L-02 cells treated with DB(0,50,100,200μM) for 48h

Supplementary Fig S4



The fluorescence intensity of ROS in L-02 cells treated with DB(0,50,100,200μM) for 48h

Supplementary Fig S5



Cell viability of L-02 cells applied with medium (control group), DB(100 μ M) and NAC(5mM) or the combination. *P<0.05, compared to control group.