

supplementary materials

Animals and experimental protocols

Male BALB/c mice (6-8 weeks old) used in our study were obtained from Vital River Laboratory Animal Technology (Beijing, China). The mice were maintained under standard environmental conditions (room temperature at $25 \pm 1^\circ\text{C}$ and humidity of 60% with 12 h light/dark cycle). The mice were randomly divided into the following groups: (1) Control group: Mice in this group were injected intravenous (i.v.) with normal saline (solvent for DOX and Sal B); (2) DOX group: Mice in this group were treated with a single dose of DOX at 20 mg/kg i.p.; (3) Sal B (po)+ DOX groups: Mice in this three groups were treated with Sal B at a dose of 50, 100 and 200 mg/kg (po) every day respectively for one week followed by DOX at 20 mg/kg ip; (4) Sal B (ip)+ DOX groups: Mice in this three groups were treated with Sal B at a dose of 5, 10 and 20 mg/kg (ip) every day respectively for one week followed by DOX at 20 mg/kg ip; (5) Sal B (iv)+ DOX group: Mice in this group were treated with Sal B at a dose of 1, 2 and 4 mg/kg (iv) every day respectively for one week followed by DOX at 20 mg/kg ip.

Mice were euthanized 7 days after the DOX administration and serum was collected for analysis of the enzymatic activity of LDH, CK and AST by corresponding kit.

Supplemental Table S1 Effects of Sal B on LDH, CK and AST activities.

	Serum level of LDH (U/L)	Serum level of AST (U/L)	Serum level of CK (U/L)
Cont	353.44±43.87	20.33±3.22	62.46±7.43
DOX	908.27±67.37*	48.74±5.00*	132.21±9.10*
DOX+SalB 50 mg/kg (po)	893.32±60.54	49.95±4.59	130.96±10.25
DOX+SalB 100 mg/kg (po)	823.26±48.26	43.57±5.73	121.05±8.43
DOX+SalB 200 mg/kg (po)	831.27±58.97	42.28±4.65	118.74±7.68
DOX + SalB 5mg/kg (ip)	864.15±51.79	46.77±5.36	131.07±6.35
DOX + SalB 10mg/kg (ip)	793.28±60.33	38.22±3.32#	111.72±7.59
DOX + SalB 20mg/kg (ip)	804.55±45.74	38.59±4.01#	109.53±9.22
DOX + SalB 1mg/kg (iv)	842.15±48.27	45.52±4.77	115.29±8.29
DOX + SalB 2mg/kg (iv)	683.55±55.80#	30.01±2.30#	94.20±8.40#
DOX + SalB 4mg/kg (iv)	679.74±60.41#	29.87±4.31#	93.22±6.36#

po: peros; ip: intraperitoneal injection; iv: intravenous injection. Data are means ± SD. * P< 0.05 vs control group; # P< 0.05 vs DM group.