

Figure S1. Detection of HSCs

(A, B) HSCs were stained for GFAP and intracellular desmin and analysed by flow cytometry.

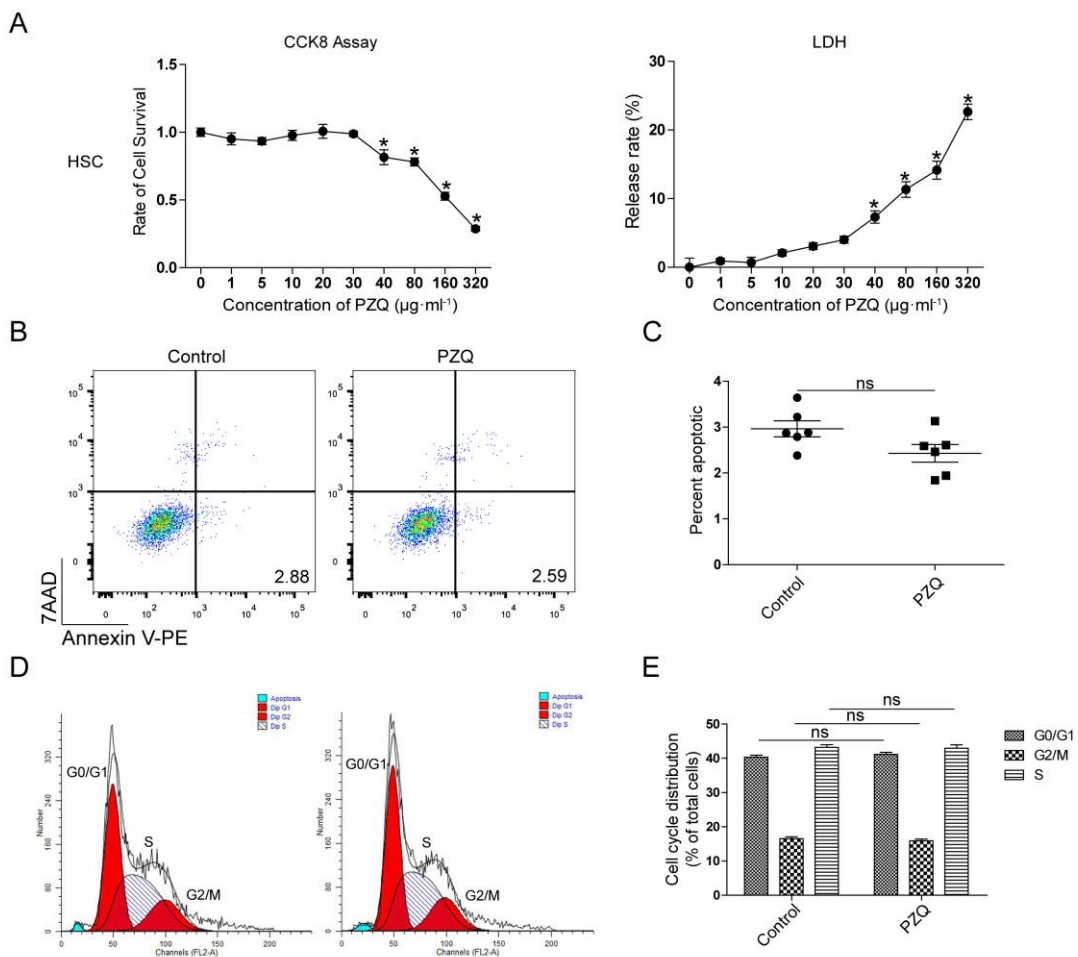


Figure S2. Cytotoxicity of PZQ in HSCs isolated from healthy mice

(A) Dose-dependent cytotoxicity of PZQ in HSCs isolated from healthy mice by cell counting kit-8 (CCK-8) and lactate dehydrogenase (LDH) release assays ($n = 6$). (B) HSCs were purified from the healthy mice with or without PZQ ($300 \text{ mg kg}^{-1} \cdot 12$

hours⁻¹) treatment for 4 weeks. The rate of apoptosis was evaluated by flow cytometry. The cells in early apoptosis (Annexin⁺₇/AAD⁻) are in the lower right quadrant. (C) Quantification of apoptotic rate in HSCs (n = 6). (D) The cell cycle distribution of HSCs was assessed by flow cytometry. (E) Quantification of the cell cycle distribution in HSCs (n = 6). All data are presented means ± SEM. * *P* < 0.05, ^{ns} *P* > 0.05.

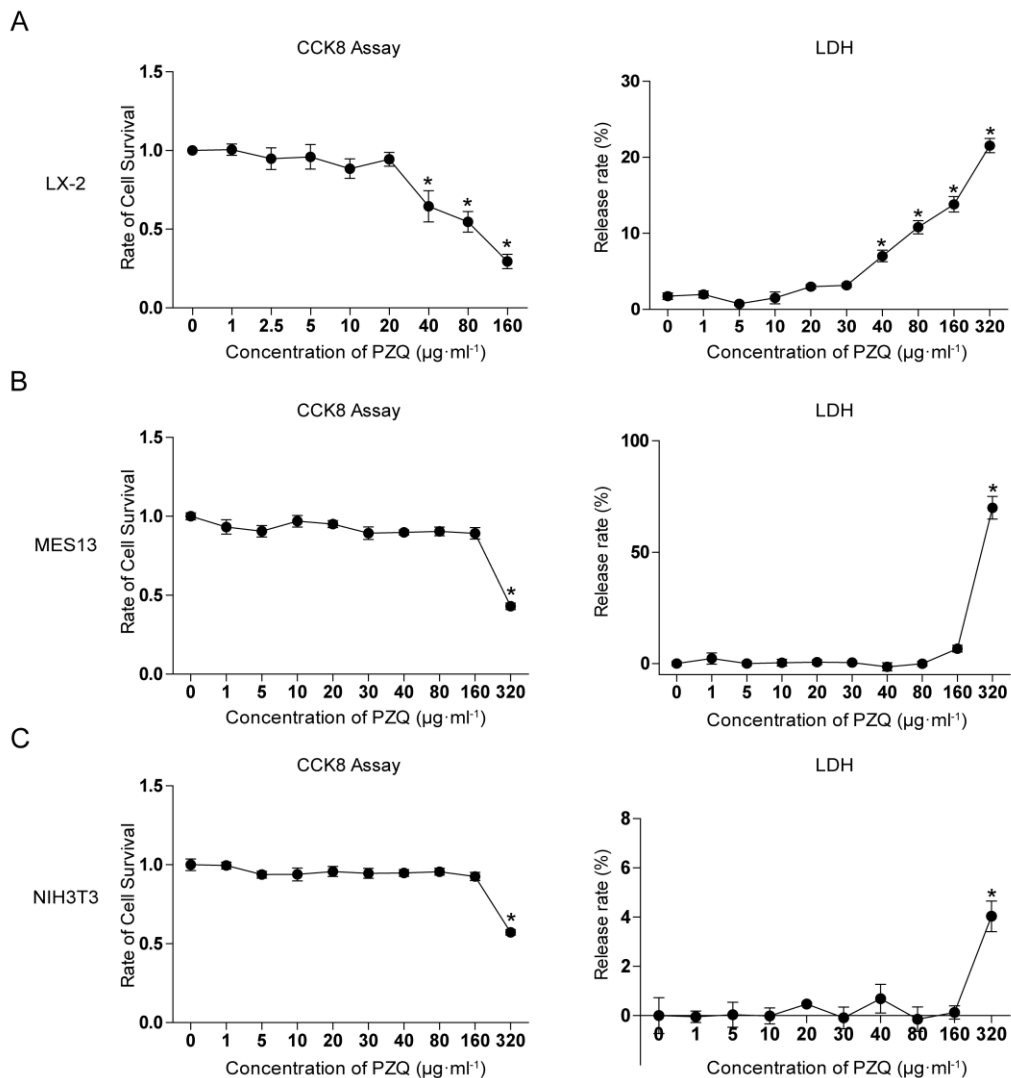


Figure S3. Dose curve to determine the safe dose of PZQ in LX-2, MES13 and NIH3T3 cells.

(A, B, C) Dose-dependent cytotoxicity of PZQ in LX-2, MES13 and NIH3T3 cells by cell counting kit-8 (CCK-8) and lactate dehydrogenase (LDH) release assays (n = 6). All data are presented as means ± SEM. * *P* < 0.05.

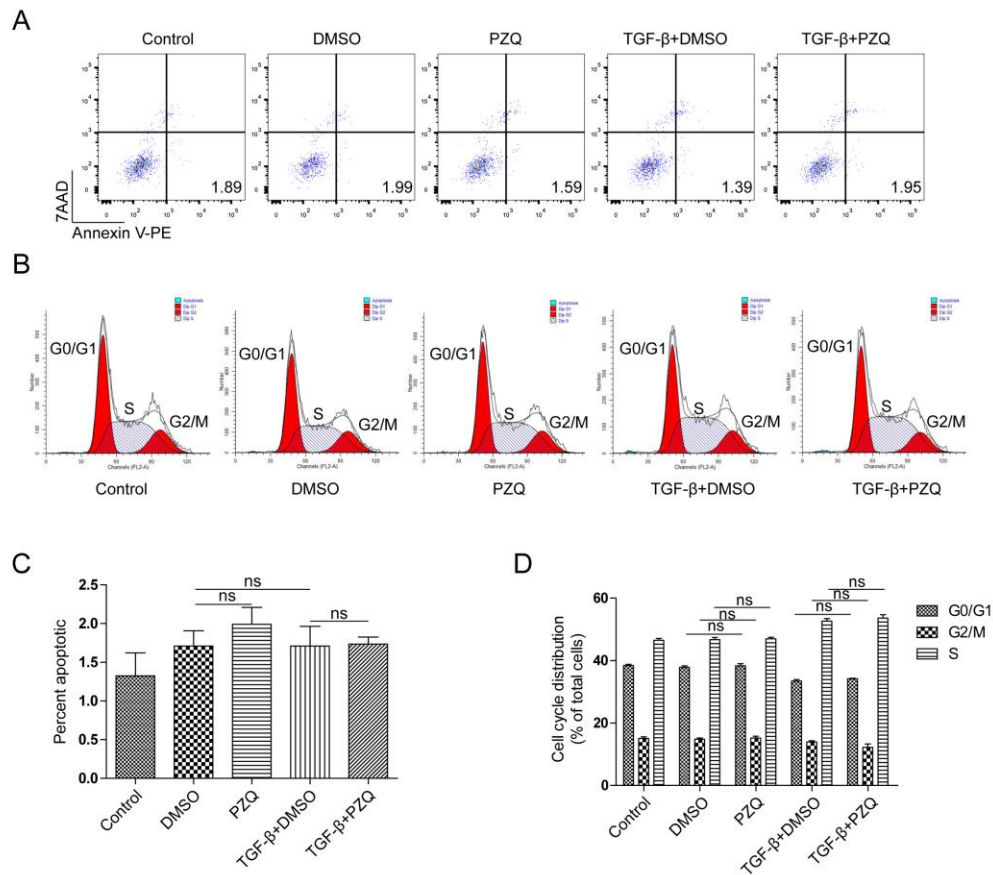


Figure S4. PZQ does not induce apoptosis or inhibit cell cycle in LX-2 cells.

(A) LX-2 cells were treated with PZQ ($30 \mu\text{g} \cdot \text{ml}^{-1}$) for 24 h. The rate of apoptosis was evaluated by flow cytometry. The cells in early apoptosis (Annexin⁺7/AAD⁻) are in the lower right quadrant. (C) Quantification of apoptotic rate in LX-2 cells ($n = 6$). (B) The cell cycle distribution of LX-2 cells was assessed by flow cytometry. (D) Quantification of the cell cycle distribution in LX-2 cells ($n = 6$). All data are presented means \pm SEM. ^{ns} $P > 0.05$.

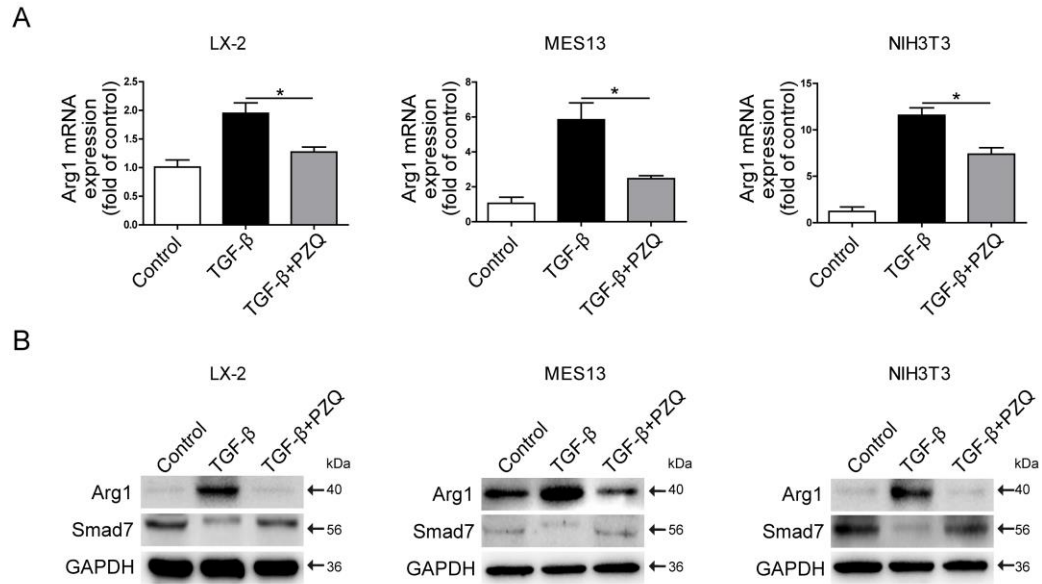


Figure S5. PZQ inhibits Arg1 expression in fibroblast-like cells or fibroblast.

(A) qRT-PCR analysis of Arg1 mRNA expression in LX-2, MES13 and NIH3T3 cells. The $\Delta\Delta C_t$ method was used to quantify relative changes ($n = 5$). (B) Western blot for arginase 1 (Arg1), Smad7 and a loading control (GAPDH) protein levels in LX-2, MES13 and NIH3T3 cells ($n = 5$). All data are presented as means \pm SEM. * $P < 0.05$.