Supplementary Figure 1

A: A549 dox cells showed cross resistance to paclitaxel and cisplatin. Results shown are mean ± SEM, which are three separate experiments performed in triplicate. Significance is shown at $P < 0.01$ (One way ANOVA followed by Tukey’s multiple comparison test).

B: the levels of BCRP, MRP1, P-gp, LRP and NRF2 in A549 and A549/dox cells. A549 and A549 cells were analysed for BCRP, MRP1, P-gp, LRP and NRF2 expression, representative western blot images and densitometric analysis are shown.
C: the intracellular GSH levels in A549 and A549/dox cells. Results shown are mean ± SEM, which are three separate experiments performed in triplicate. Significance is shown at P < 0.01 (One way ANOVA followed by Tukey’s multiple comparison test).

D: number colonies formed by A549 and A549/dox cells. Results shown are mean ± SEM, which are three separate experiments performed in triplicate. Significance is shown at P < 0.01 (One way ANOVA followed by Tukey’s multiple comparison test).
E: Bax/Bcl2 ratio in A549 and A549/dox cells

E: intracellular DOX accumulation was potentiated by neferine. Bar chart shows the intensity of the Dox fluorescence quantified using Image J. Results shown are mean ± SEM, of three separate measurements performed. Significance is shown at $P < 0.01$ (One way ANOVA followed by Tukey’s multiple comparison test).