



Supporting Information

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AZD9291 Resistance Reversal Activity of a pH-sensitive nanocarrier dual-loaded with chloroquine and FGFR1 inhibitor in NSCLC

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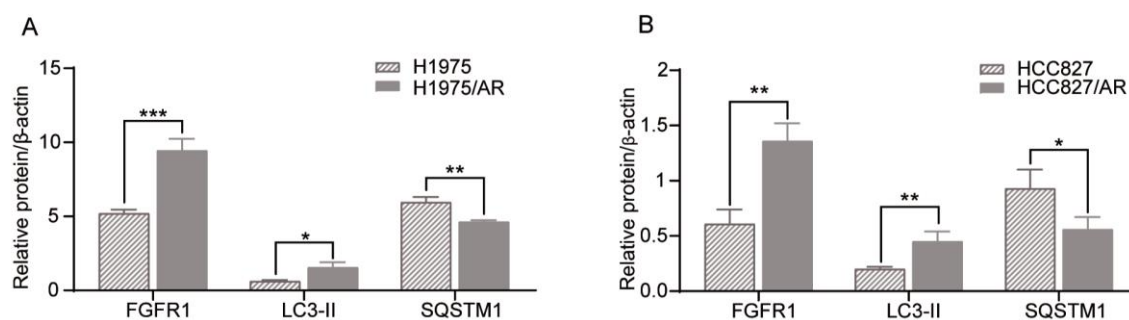


Figure S1. Quantitative grayscale intensity of protein expression in parental and AZD9291 resistant cells(H1975 and HCC827 cell lines). Values were normalized to β -actin protein levels. * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$.

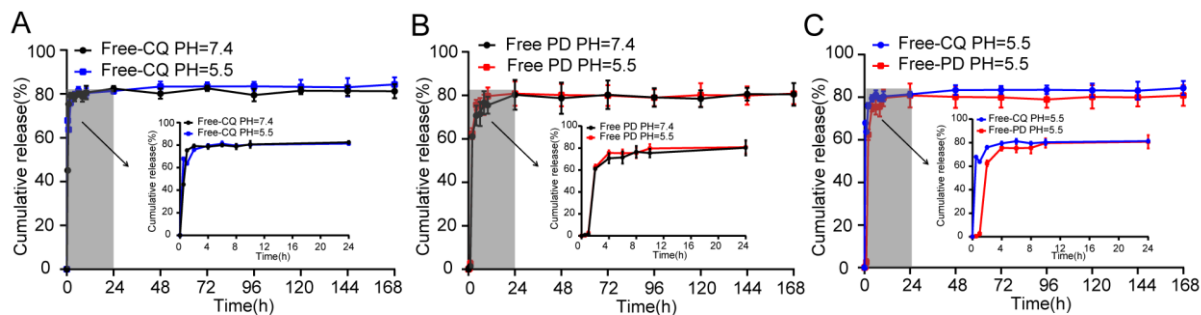


Figure S4. Release profile of free CQ(A) and free PD173074(B) in pH 5.5 and 7.4. CQ and PD173074 were released simultaneously from free CQ-PD in pH 5.5(C). Each data was expressed as mean \pm standard deviation (n=3).

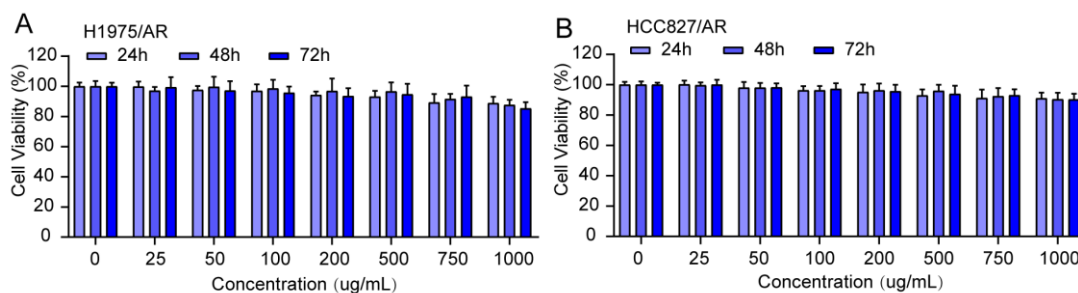


Figure S5. *In vitro* toxicity of cRGD-CaP NPs. Cell viability of H1975/AR(A) and HCC827/AR(B) treated with different concentrations of cRGD-CaP NPs in 72h.

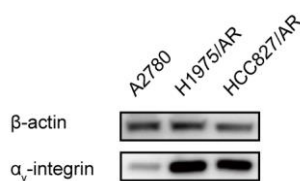


Figure S6. Western blot analysis showing the expression of integrin protein of different cell lines. Integrin α_v -negative A2780 human ovarian tumor cells as a negative control.

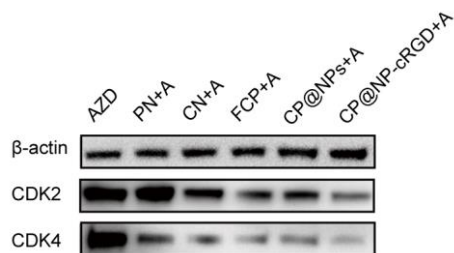


Figure S7. Western blot analysis showing the expression of cell cycle-associated proteins after different treatments.

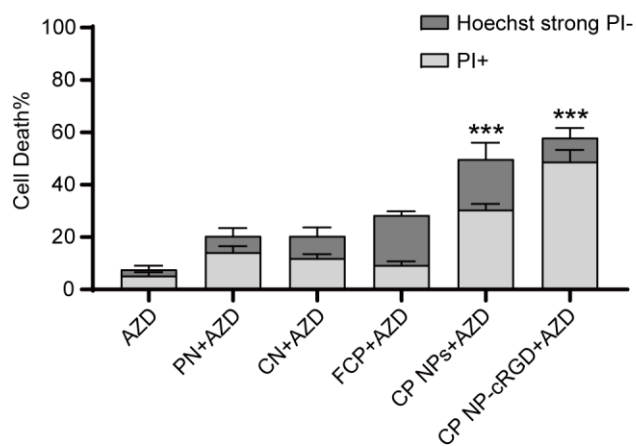


Figure S8. Quantification of cell death (apoptosis and necrosis) of different treatments in H1975/AR cells. All data are from five fields, ***p < 0.001, compared with AZD9291 alone group.

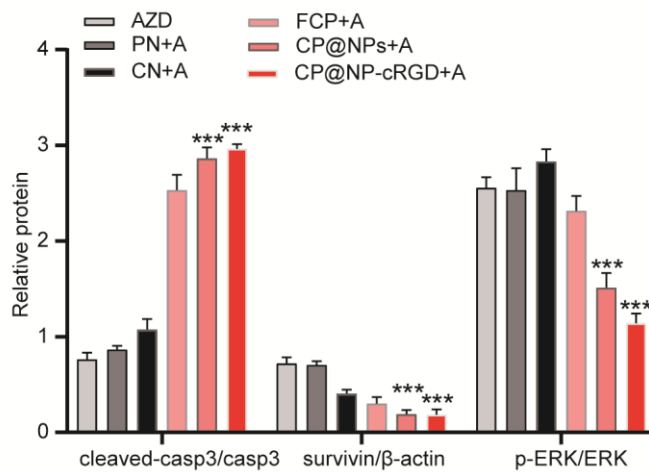


Figure S9. Quantitative grayscale intensity of protein expression of different treatments in H1975/AR cells. All data are from three repeats. Values are normalized to β -actin protein levels. ***P<0.001, compared with AZD9291 alone group.

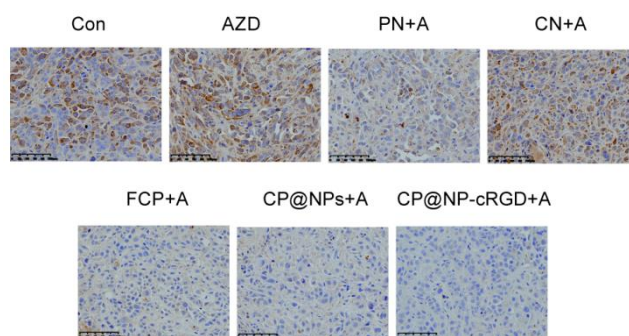


Figure S10. Immunohistochemistry results of proteins pFGFR1 with 200-fold magnification (At scale 100 μ m).