

Supplementary Materials

Table S1. CI and dose reduction values for inhibition on BEL-7402, SMMC-7721 and Huh-7 by

combining DOX with ABT-263

% Inhibition	CI	DOX			ABT-263		
		Conc.:($\mu\text{mol/L}$)		Dose reduction	Conc.:($\mu\text{mol/L}$)		Dose reduction
		Alone	Mix		Alone	Mix	
BEL-7402							
50	1.0218	0.237	0.218	1.087	20.856	19.764	1.055
75	1.8841	0.532	0.417	1.276	29.675	32.214	0.921
95	2.1926	0.997	0.749	1.331	42.323	48.947	0.865
SMMC-7721							
50	0.9934	0.384	0.299	1.284	24.986	19.324	1.293
75	1.7421	0.711	0.601	1.183	34.443	36.423	0.946
95	2.3731	1.203	1.159	1.038	51.456	59.325	0.867
Huh-7							
50	1.0125	0.256	0.217	1.180	23.454	19.960	1.175
75	1.3641	0.497	0.423	1.175	38.544	38.853	0.992
95	2.6058	0.899	0.909	0.989	49.357	58.839	0.839

Table S2. CI and dose reduction values for inhibition on BEL-7402, SMMC-7721 and Huh-7 by

combining DOX with ABT-737

% Inhibition	CI	DOX			ABT-737		
		Conc.:($\mu\text{mol/L}$)		Dose reduction	Conc.:($\mu\text{mol/L}$)		Dose reduction
		Alone	Mix		Alone	Mix	
BEL-7402							
50	0.7437	0.237	0.211	1.123	13.937	10.738	1.298
75	0.9738	0.532	0.433	1.229	20.383	19.736	1.033
95	1.1539	0.997	0.816	1.222	32.538	32.342	1.006
SMMC-7721							
50	0.7843	0.384	0.319	1.204	12.739	10.634	1.198
75	0.9037	0.711	0.702	1.013	22.328	19.125	1.167
95	1.0363	1.203	1.159	1.038	30.738	29.427	1.045
Huh-7							
50	0.8353	0.256	0.223	1.148	10.736	9.922	1.082
75	1.0333	0.497	0.423	1.175	18.638	18.937	0.984
95	1.4639	0.899	0.874	1.029	26.763	28.352	0.944

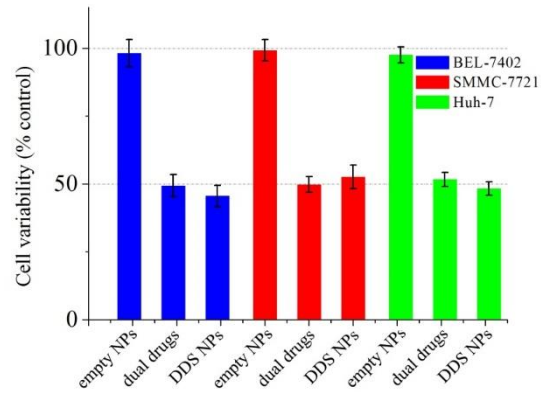


Figure S1. WST assay results of BEL-7402, SMMC-7721 and Huh-7 (n = 10), cells were treated with dual drugs and DDS NPs. Data were presented as mean \pm SD (n=3).

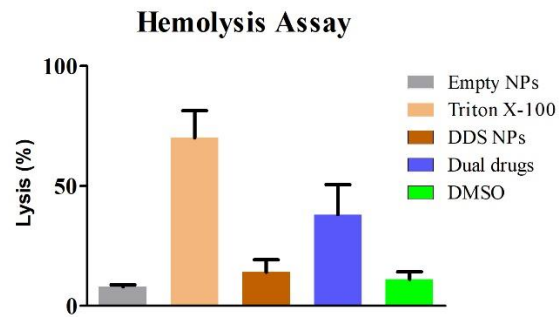


Figure S2. Hemolysis assay results of DDS NPs, blood samples were treated with empty NPs, triton X-100, DMSO, dual drugs and DDS NPs. Data were presented as mean \pm SD (n=3).