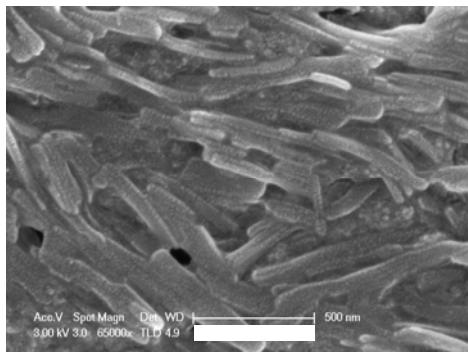
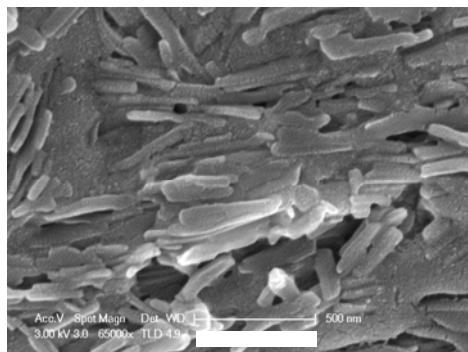


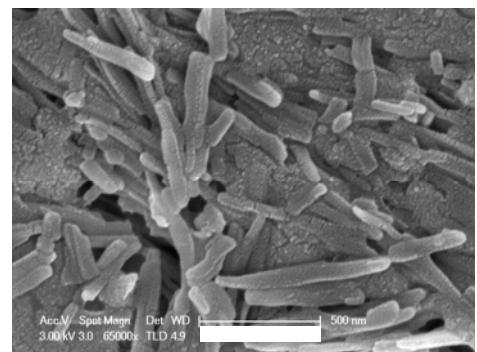
pH 7.4



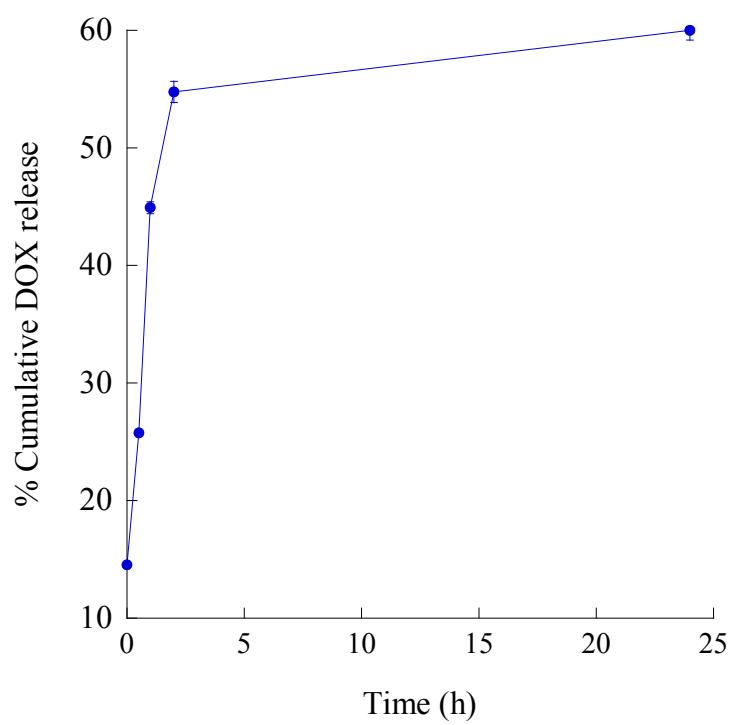
pH 6.0



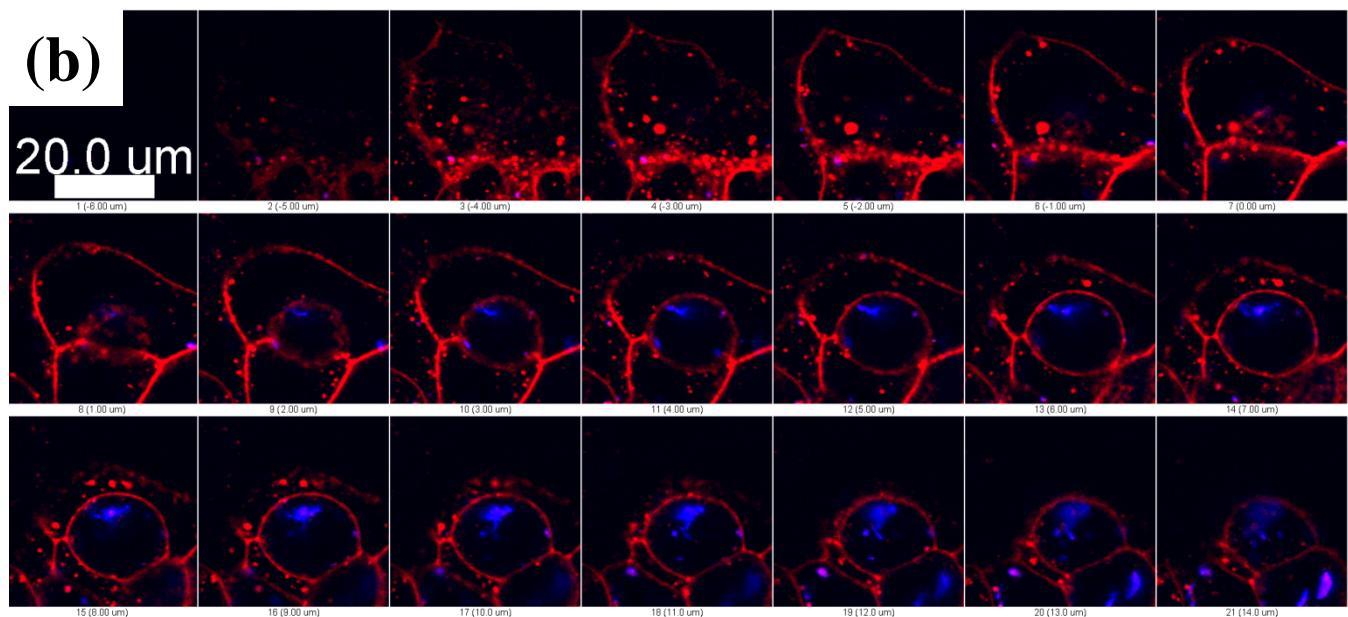
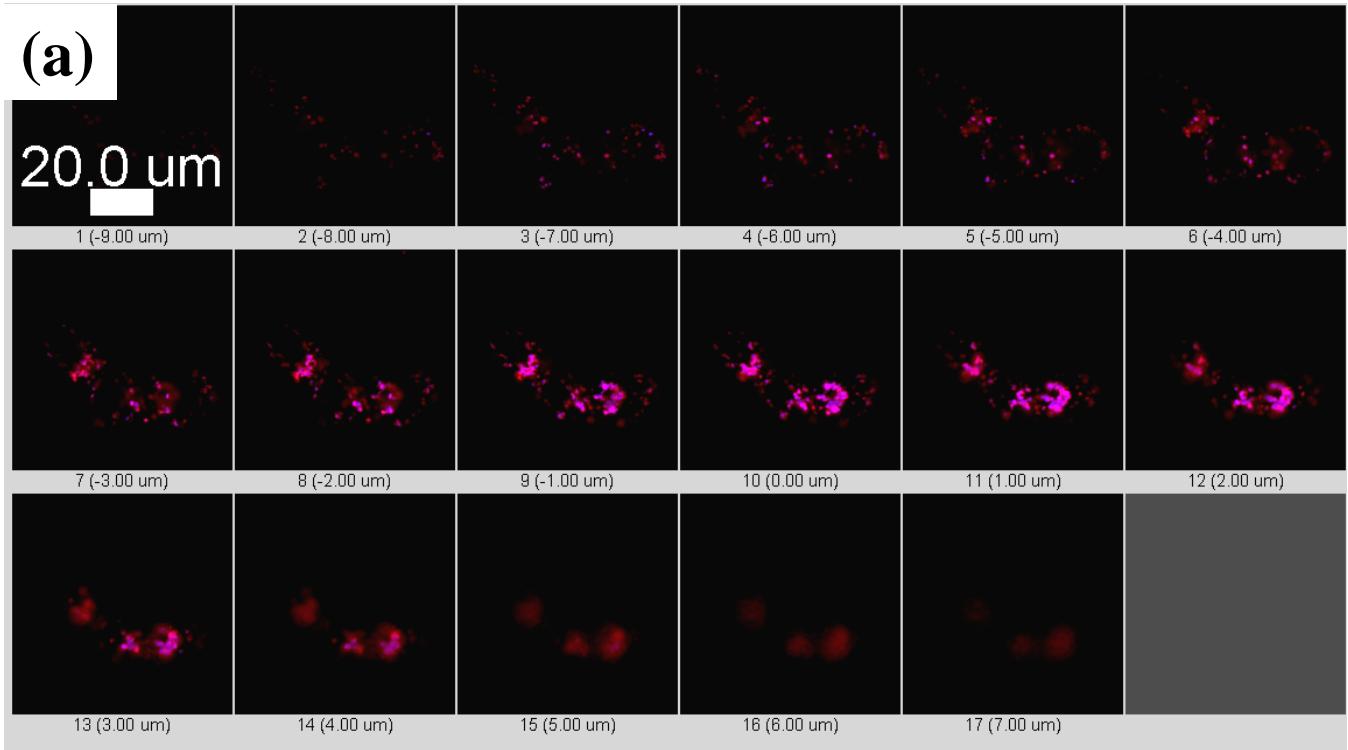
pH 4.5



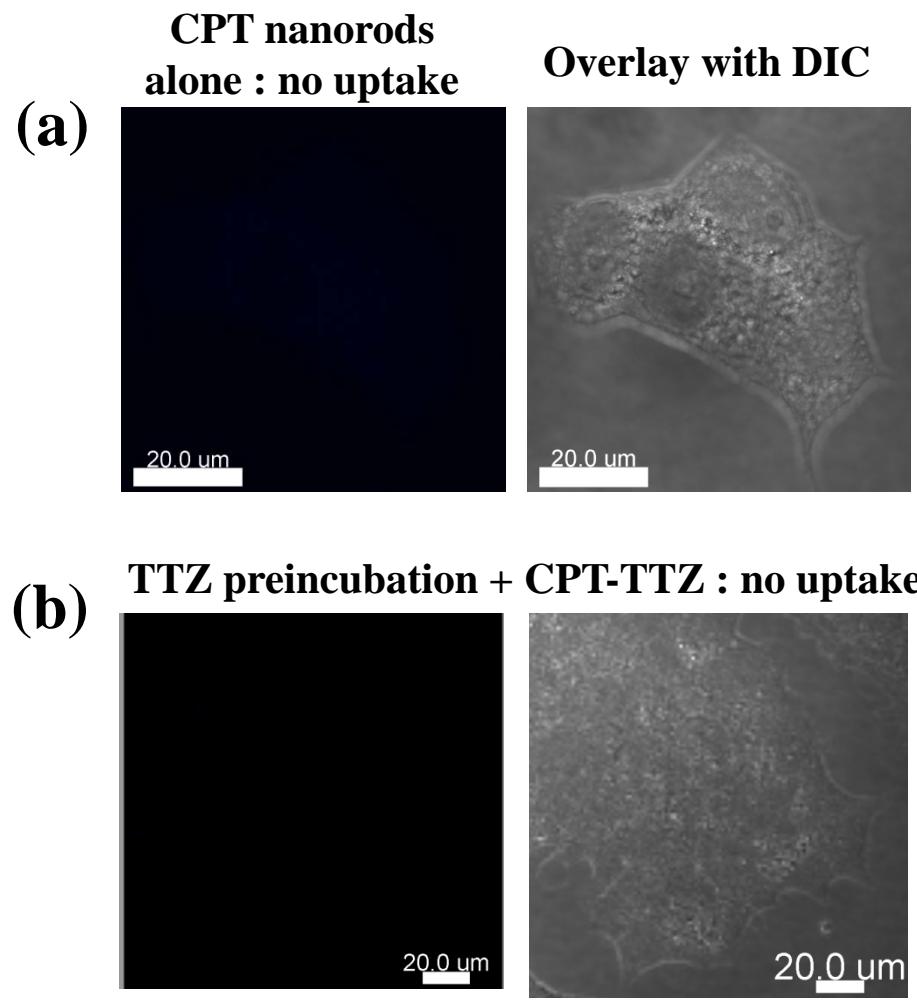
SI Figure 1



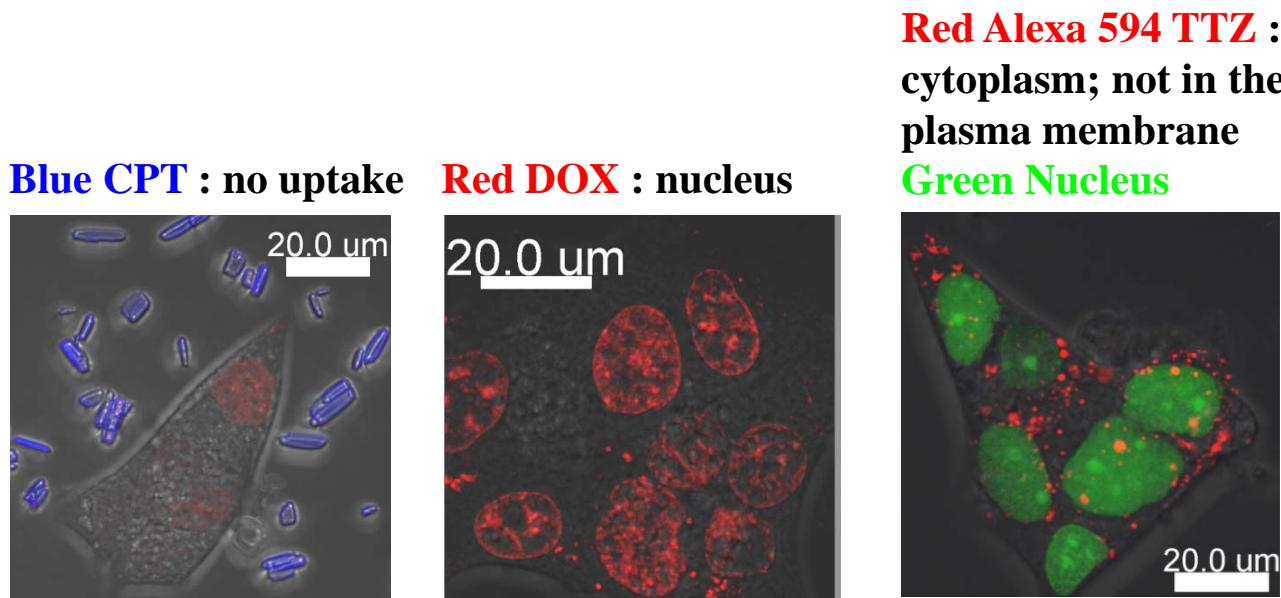
SI Figure 2



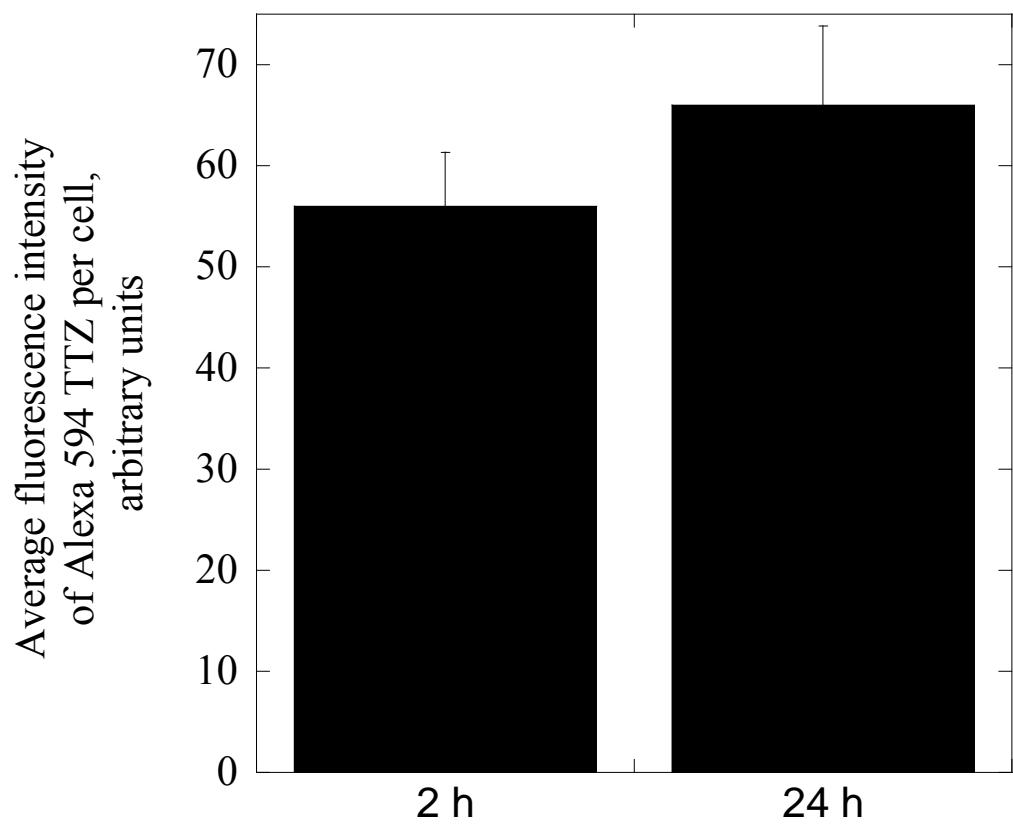
SI Figure 3



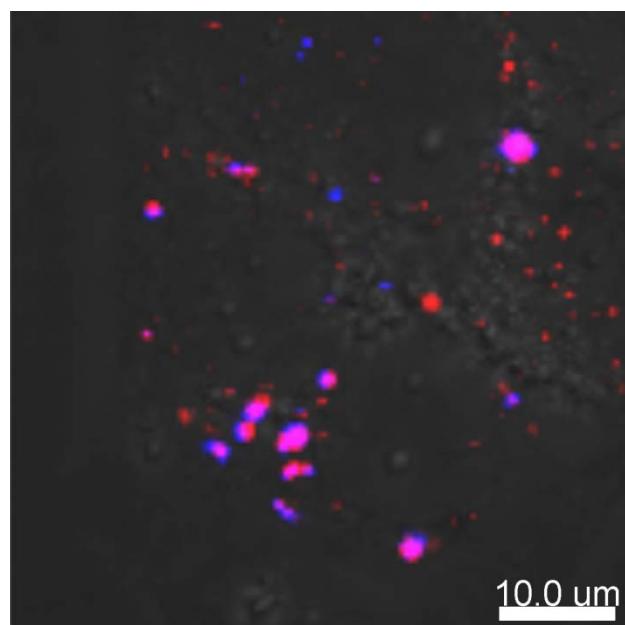
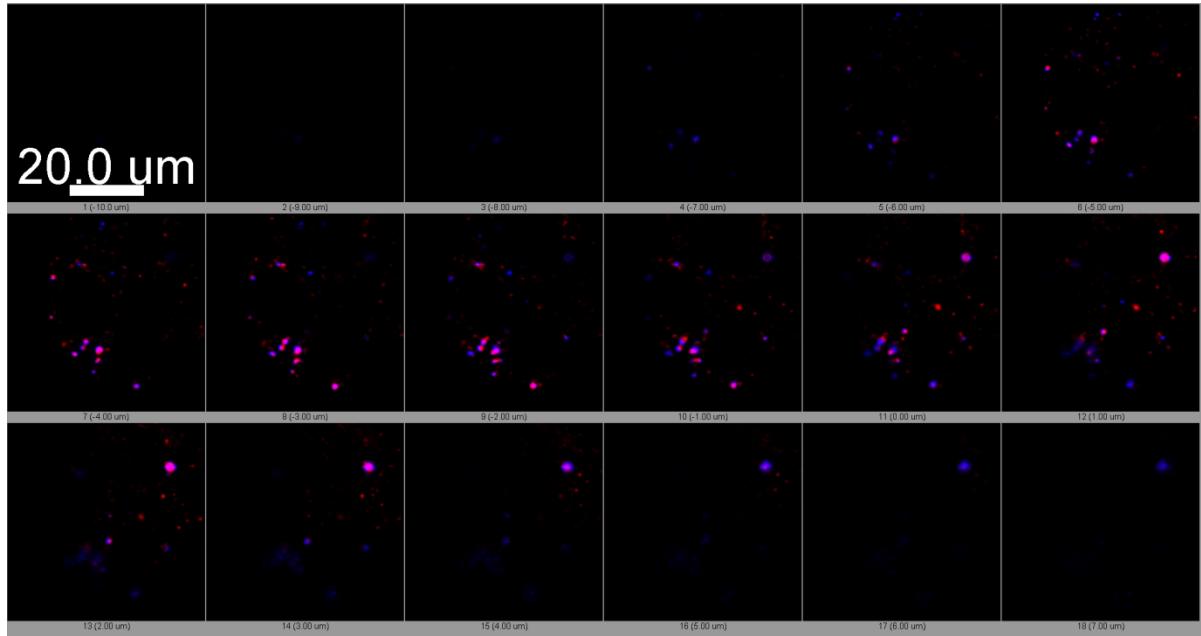
(c) Simultaneous treatments: CPT in DMSO + TTZ solution + free DOX



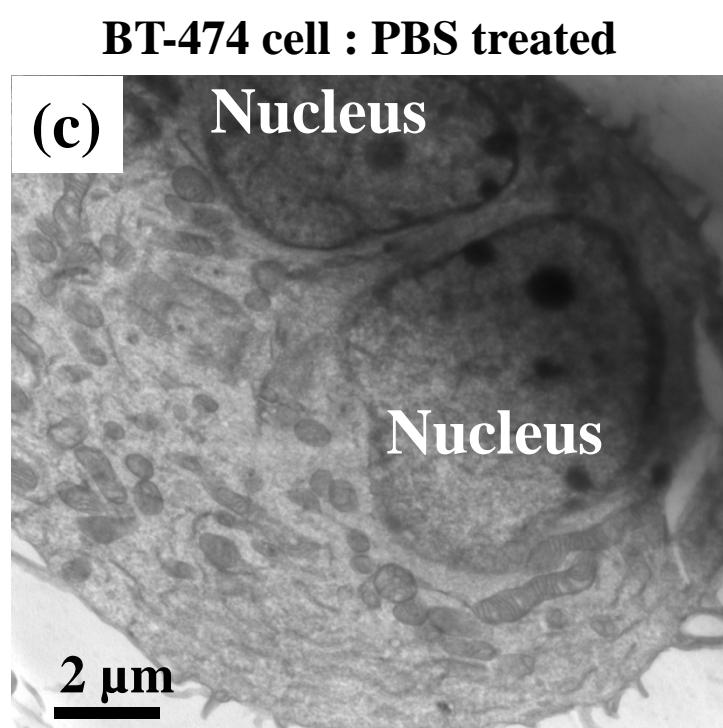
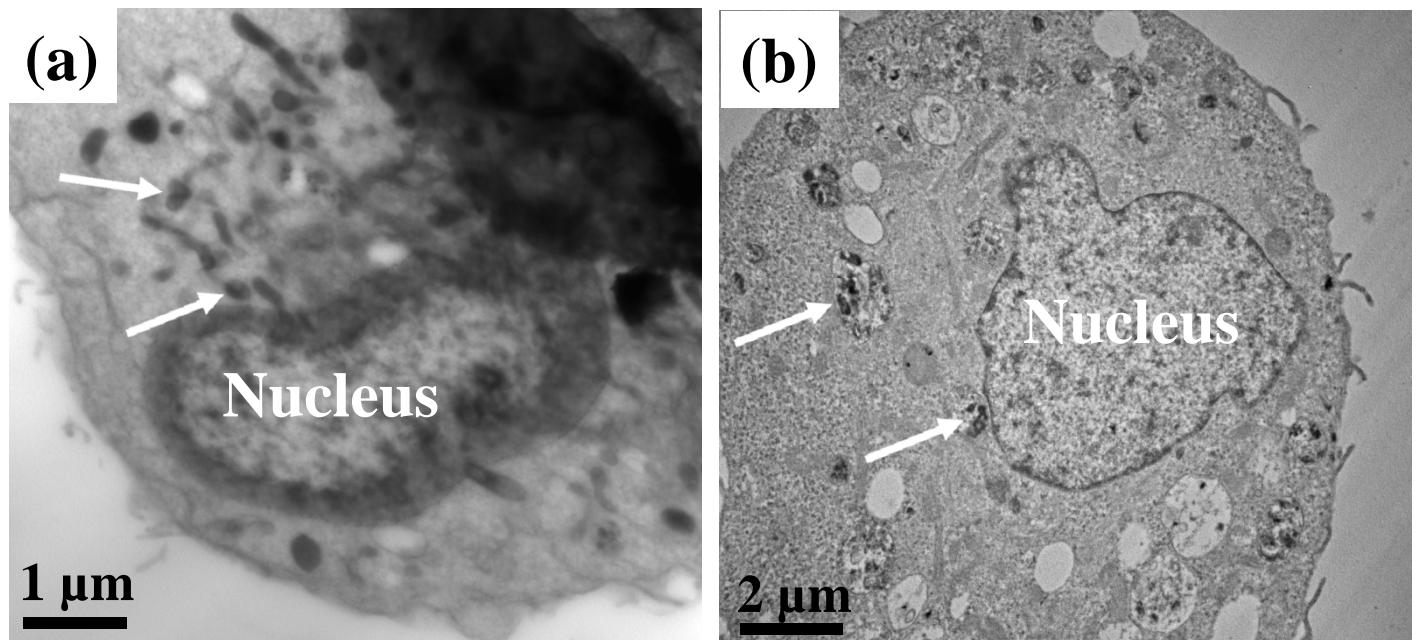
SI Figure 4



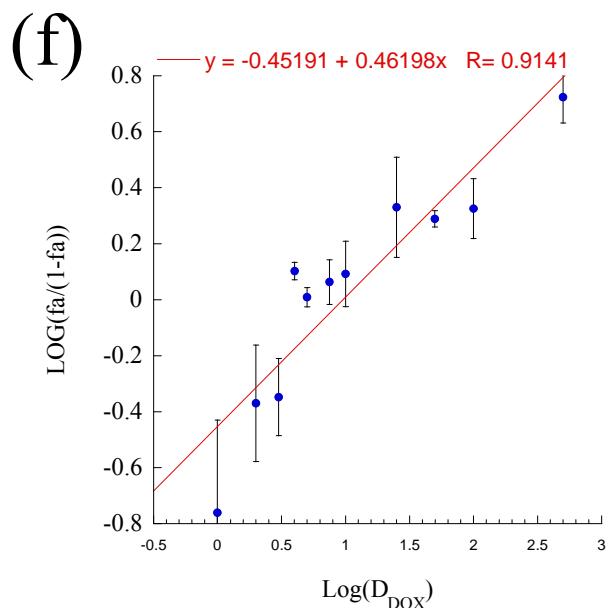
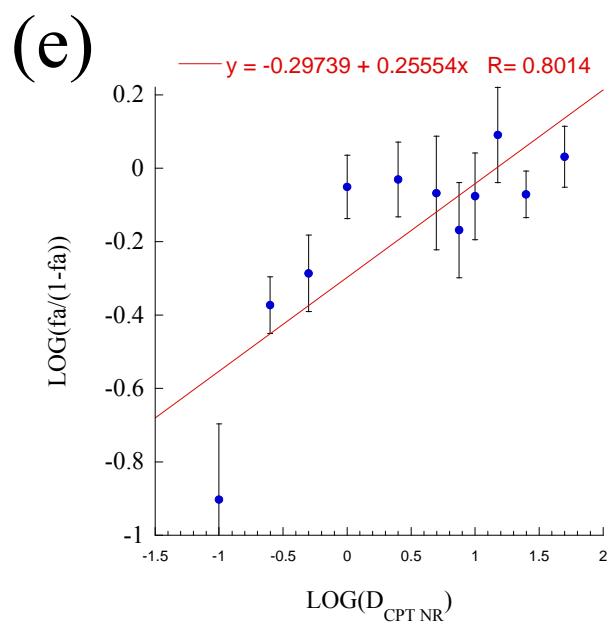
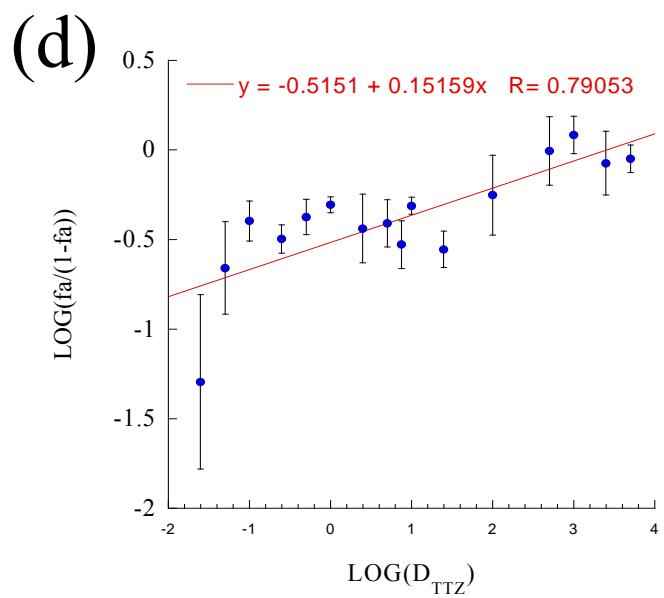
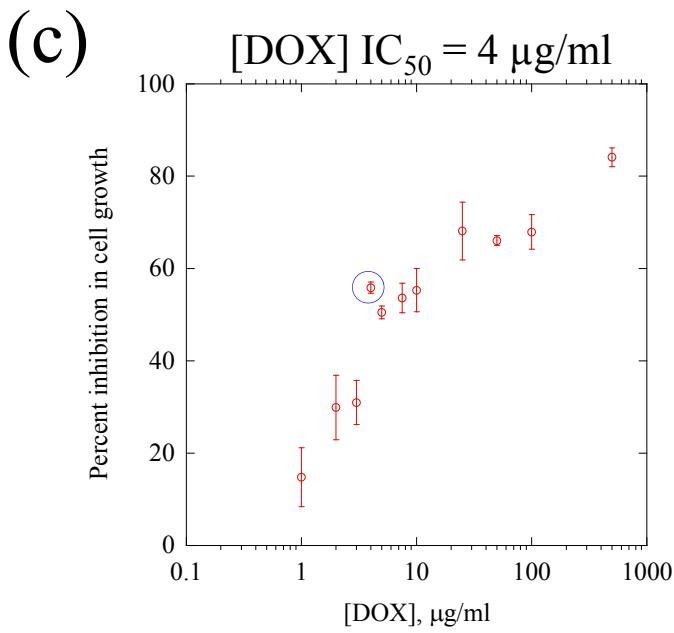
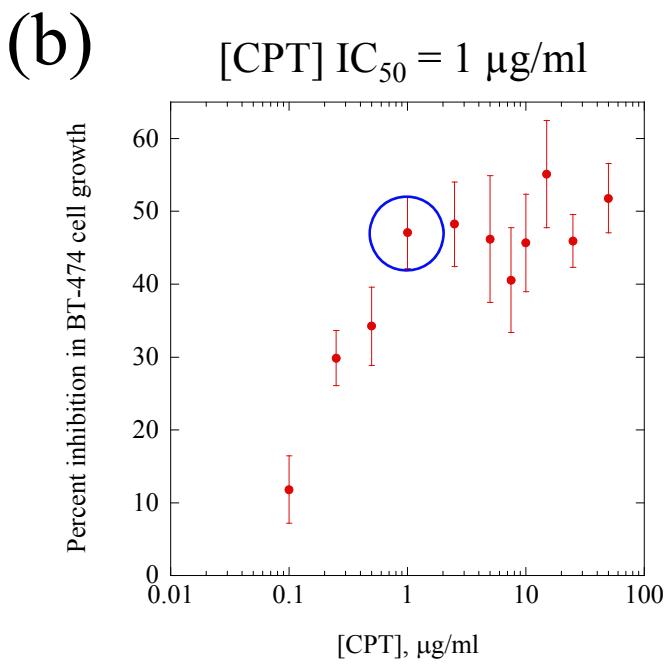
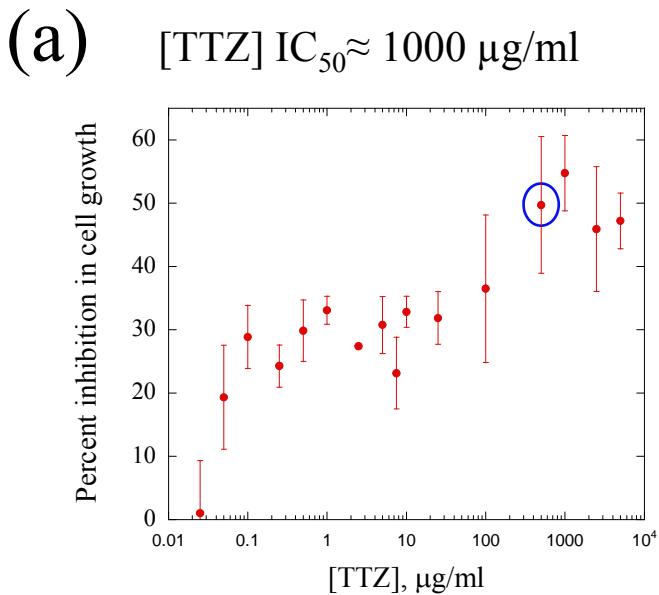
SI Figure 5



SI Figure 6

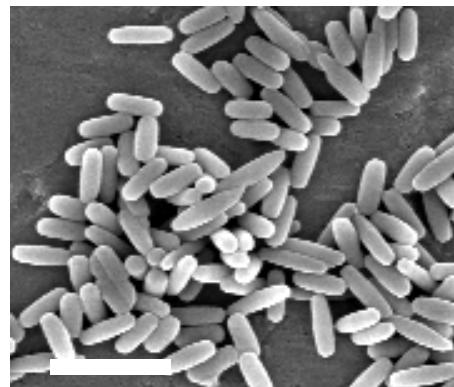


SI Figure 7

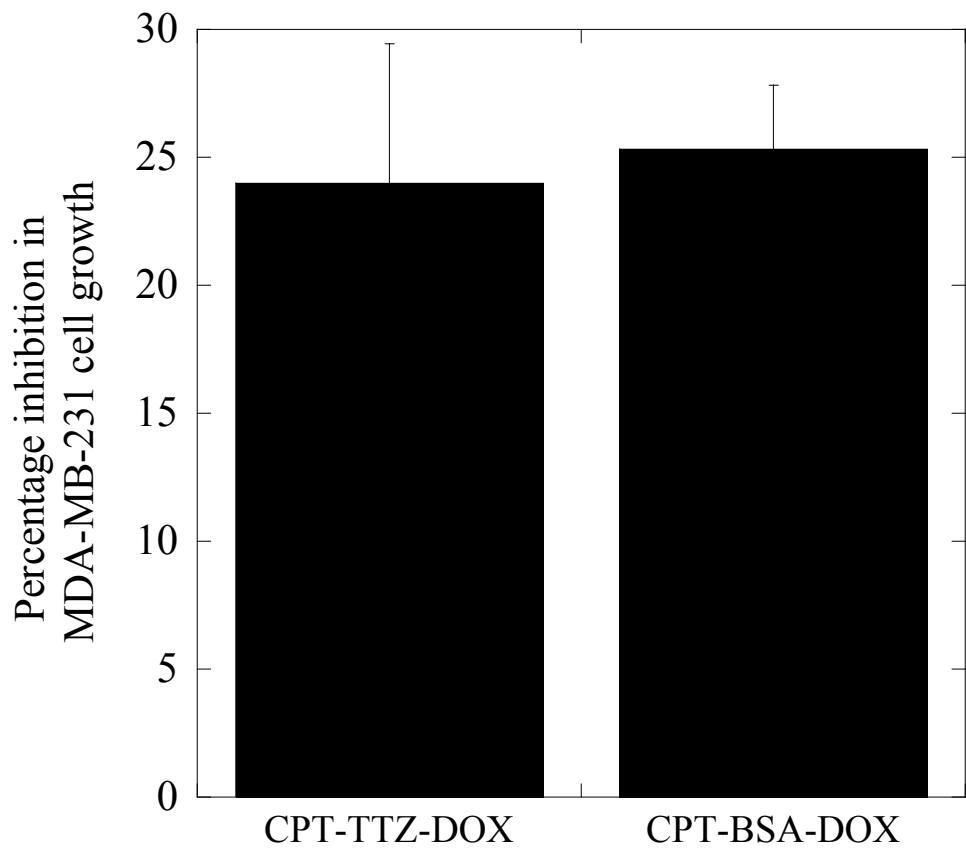


SI Figure 8

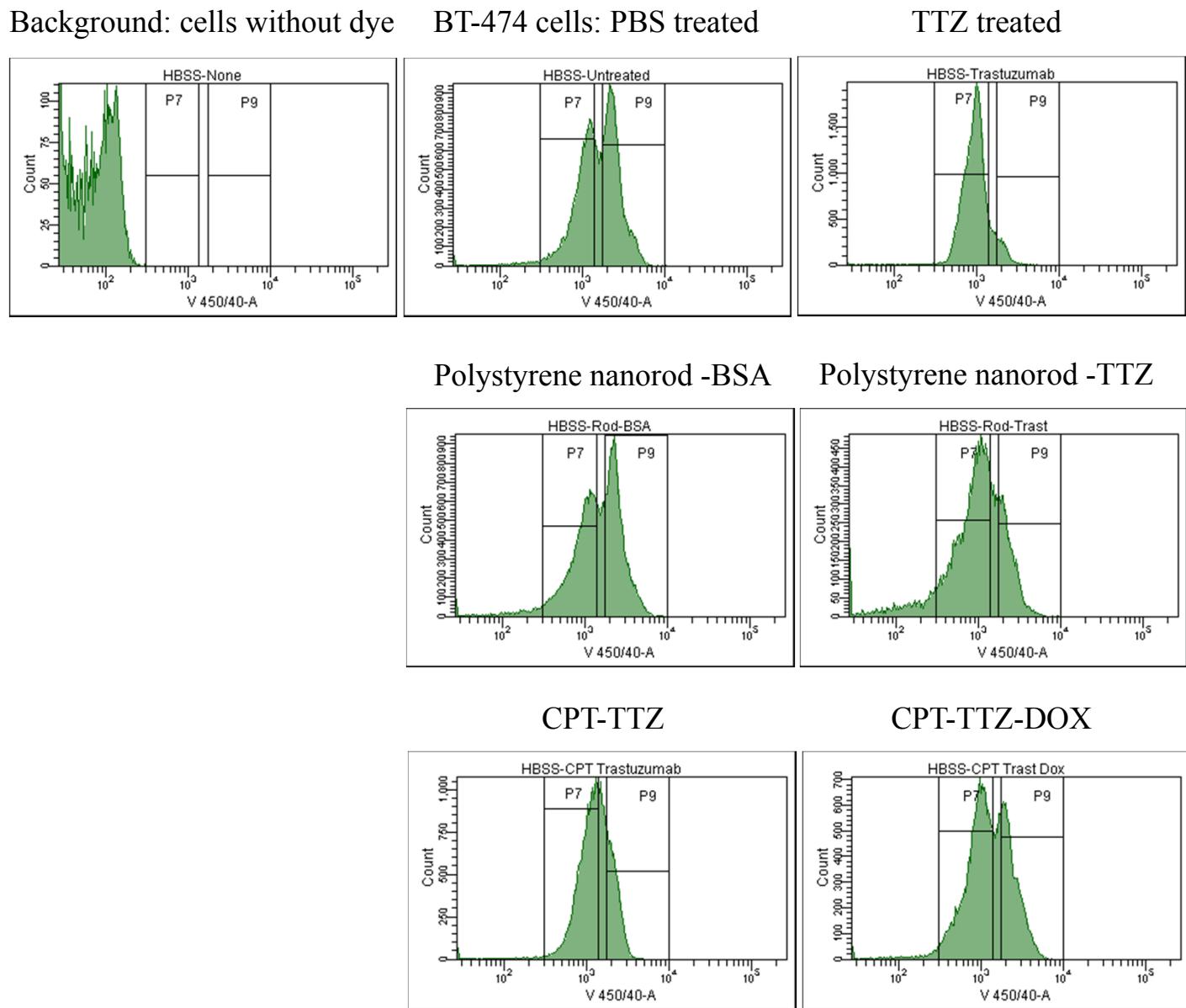
(a)



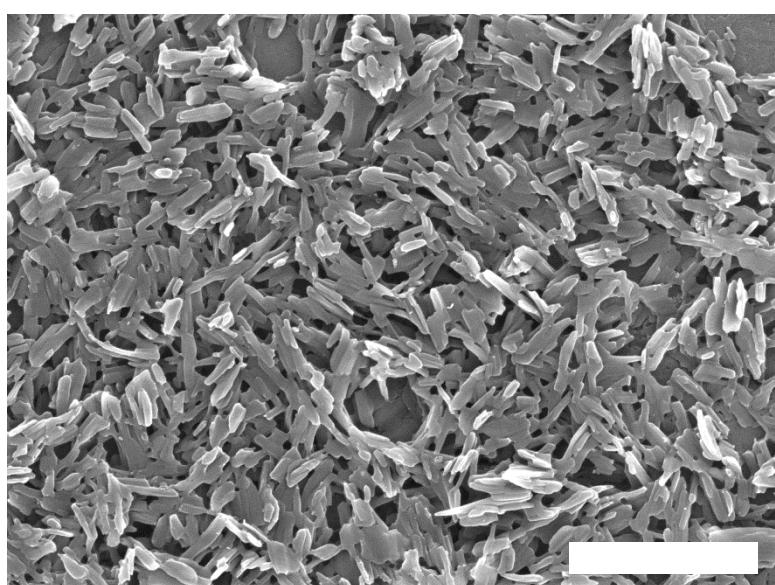
(b)



SI Figure 9



SI Figure 10



SI Figure 11

Initial CPT, μg	CPT after TTZ adsorption, μg	Initial BSA or TTZ, μg	BSA adsorbed on CPT, μg	TTZ adsorbed on CPT, μg	Initial DOX loaded to 500μg CPT of CPT- TTZ, μg	CPT after DOX adsorption to CPT- TTZ, μg	DOX adsorbed on CPT-TTZ, μg (loading efficiency, %)
1000	601.6 ± 10.7	100	72.6 ± 8.4	97.7 ± 2.5	1000	353 ± 58.2	924.2 ± 8.2 (92.4 ± 0.8%)

Zeta potential of nanoparticles in PBS, mV

CPT	CPT-TTZ	CPT-TTZ-DOX
- 25.1 ± 3.8	-7.5 ± 1.3	-4.8 ± 0.22

SI Table I

CPT-TTZ-DOX	TTZ	DOX	CPT-BSA-DOX	CPT-BSA+PS Rod TTZ +DOX	CPT-DMSO+TTZ+DOX	CPT-TTZ	Topotecan+TTZ+DOX
p-value	0.016	0.023	0.045	0.052	0.052	0.022	0.052
compared with							

SI Table II

parameter	TTZ	CPT	DOX
m	0.15	0.26	0.46
D _m (μ g/ml)	2500	14.6	9.5

SI Table III