

Table W1. Radiation Doses That Reduce Cell Clonogenic Survival to 10% (D0.1) Calculated by Fitting the Linear Quadratic Equation to Clonogenic Survival after Treatment with Radiation Alone and in Combination with LY2109761 and/or TMZ.

Cell	Treatment	D0.1 (Gy)	DEF
U87MG	RT alone	7.03	
	RT + Ly	5.44	1.29
	RT + TMZ	5.76	1.22
	RT + Ly + TMZ	4.67	1.51
T98	RT alone	6.15	
	RT + Ly	4.97	1.24
	RT + TMZ	6.09	1.01
	RT + Ly + TMZ	4.90	1.26

Dose enhancement factor (DEF) was defined as the quotient of D0.1 RT/D0.1 RT + drug(s). DEF greater than 1 indicates greater than independent toxicity in combined treatment. Ly indicates LY2109761.

Table W2. Effects of Each Treatment on TTP of U87MG and T98 Tumor Xenografts.

Tumor Model	Group	TTP (Mean \pm SD; Days)	TTP Control (Days)
U87MG	Control	11.1 \pm 1.79	
	Ly	32.0 \pm 6.28	20.9
	TMZ	64.3 \pm 9.14	53.2
	RT	29.7 \pm 7.17	18.6
	Ly + TMZ	79.9 \pm 7.15	68.8
	Ly + RT	62.1 \pm 8.29	53.8
	TMZ + RT	75.4 \pm 8.29	64.3
	Ly + TMZ + RT	95.9 \pm 2.39	84.8
T98	Control	10.1 \pm 1.26	
	Ly	16.5 \pm 2.53	6.4
	TMZ	11.9 \pm 1.58	1.8
	RT	20.9 \pm 4.32	10.8
	Ly + TMZ	18.1 \pm 4.41	8.0
	Ly + RT	30.8 \pm 6.16	20.7
	TMZ + RT	22.6 \pm 5.07	12.5
	Ly + TMZ + RT	34.3 \pm 7.13	24.2

TTP is defined as the time when tumor volume increased three times from the baseline value for each mouse. TTP control is defined as TTP difference between each treatment group and control group. Ly indicates LY2109761.