

Table S1

Cell line	Treatment	PE	SF <sub>2</sub> +/- SD	D <sub>0</sub>	n	α	β	SER <sub>10%</sub> +/- SEM	R <sup>2</sup>
Wt-MEF	Irradiation	0.16	1.0 +/- 0.03	2.4	5.52				0.98
NPM-null MEF	Irradiation	0.20	0.66 +/- 0.01	2.4	3.04				0.99
H460	Irradiation	0.70	0.81 +/- 0.02			0.094 +/- 0.01	0.054 +/- 0.003	1.5 +/- 0.2	0.99
H460	Irradiation 25 μM YTR107	0.41	0.40 +/- 0.05			0.27 +/- 0.06	0.09 +/- 0.02		0.99
A549	Irradiation	0.64	0.64 +/- 0.03			0.18 +/- 0.02	0.021 +/- 0.006	1.56 +/- 0.09	0.99
A549	Irradiation 25 μM YTR107	0.46	0.45 +/- 0.06			0.30 +/- 0.06	0.049 +/- 0.01		0.98
H226	Irradiation	0.35	0.48 +/- 0.01			0.35 +/- .01	0	1.46 +/- 0.03	0.99
H226	Irradiation 25 μM YTR107	0.22	0.44 +/- 0.05			0.34	0.037 +/- 0.03		0.99

Table S2

Tumor	equation	Treatment	R <sup>2</sup>	Days to increase tumor volume 5 fold	Days to increase tumor volume 10 fold
LLC	$Y = ax^2 + bx + c$	DMSO	0.998	4	
		10 mg/kg YTR107	0.980	4	
		DMSO + 2.4 Gy	0.992	8	
		10 mg/kg YTR107 + 2.4 Gy	0.990	11	
A549	$Y = ax^2 + bx + c$	DMSO	0.932	8	14
		20 mg/kg YTR107	0.849	8	14
		DMSO + 2.4 Gy	0.834	14	23
		20 mg/kg YTR107 + 2.4 Gy	0.893	19	30