

## Supplementary Information

**Table S1.** The inhibition rate of EGCG and curcumin in A549 cells.

EGCG ( $\mu\text{mol/L}$ )	Inhibition rate	Curcumin ( $\mu\text{mol/L}$ )	Inhibition rate
10	$0.012 \pm 0.008$	10	$0.162 \pm 0.031$
20	$0.071 \pm 0.022$	20	$0.221 \pm 0.029$
30	$0.165 \pm 0.028$	30	$0.388 \pm 0.035$
40	$0.363 \pm 0.031$	40	$0.524 \pm 0.027$

**Table S2.** The inhibition rate and CI value of EGCG combined with curcumin in A549 cells.

EGCG ( $\mu\text{mol/L}$ )	Curcumin ( $\mu\text{mol/L}$ )	Inhibition rate of combination	Combination index (CI)
10	10	$0.382 \pm 0.038$	0.57713
10	20	$0.483 \pm 0.045$	0.69498
20	10	$0.526 \pm 0.048$	0.58945
20	20	$0.640 \pm 0.043$	0.60990

**Table S3.** The inhibition rate of EGCG and curcumin in H460 cells.

EGCG ( $\mu\text{mol/L}$ )	Inhibition rate	Curcumin ( $\mu\text{mol/L}$ )	Inhibition rate
40	$0.072 \pm 0.023$	10	$0.091 \pm 0.019$
60	$0.214 \pm 0.034$	20	$0.263 \pm 0.036$
80	$0.626 \pm 0.038$	40	$0.517 \pm 0.025$

**Table S4.** The inhibition rate and CI value of EGCG combined with curcumin in H460 cells.

EGCG ( $\mu\text{mol/L}$ )	Curcumin ( $\mu\text{mol/L}$ )	Inhibition rate of combination	Combination index (CI)
40	10	$0.621 \pm 0.042$	0.67703
40	20	$0.703 \pm 0.048$	0.75959
60	10	$0.752 \pm 0.039$	0.76162
60	20	$0.881 \pm 0.052$	0.67159

**Table S5.** The distribution of cell cycle after the indicated treatment.

	Control	EGCG (10 $\mu\text{mol/L}$ )	Curcumin (10 $\mu\text{mol/L}$ )	Combination
G1 Phase	75.02%	75.60%	72.87%	48.79%
S Phase	19.09%	22.12%	22.08%	35.39%
G2 Phase	5.89%	2.28%	5.04%	15.82%
Apoptosis	0.89%	0.13%	0.08%	2.61%
(Mean)	(23.72)	(23.28)	(22.08)	(22.51)