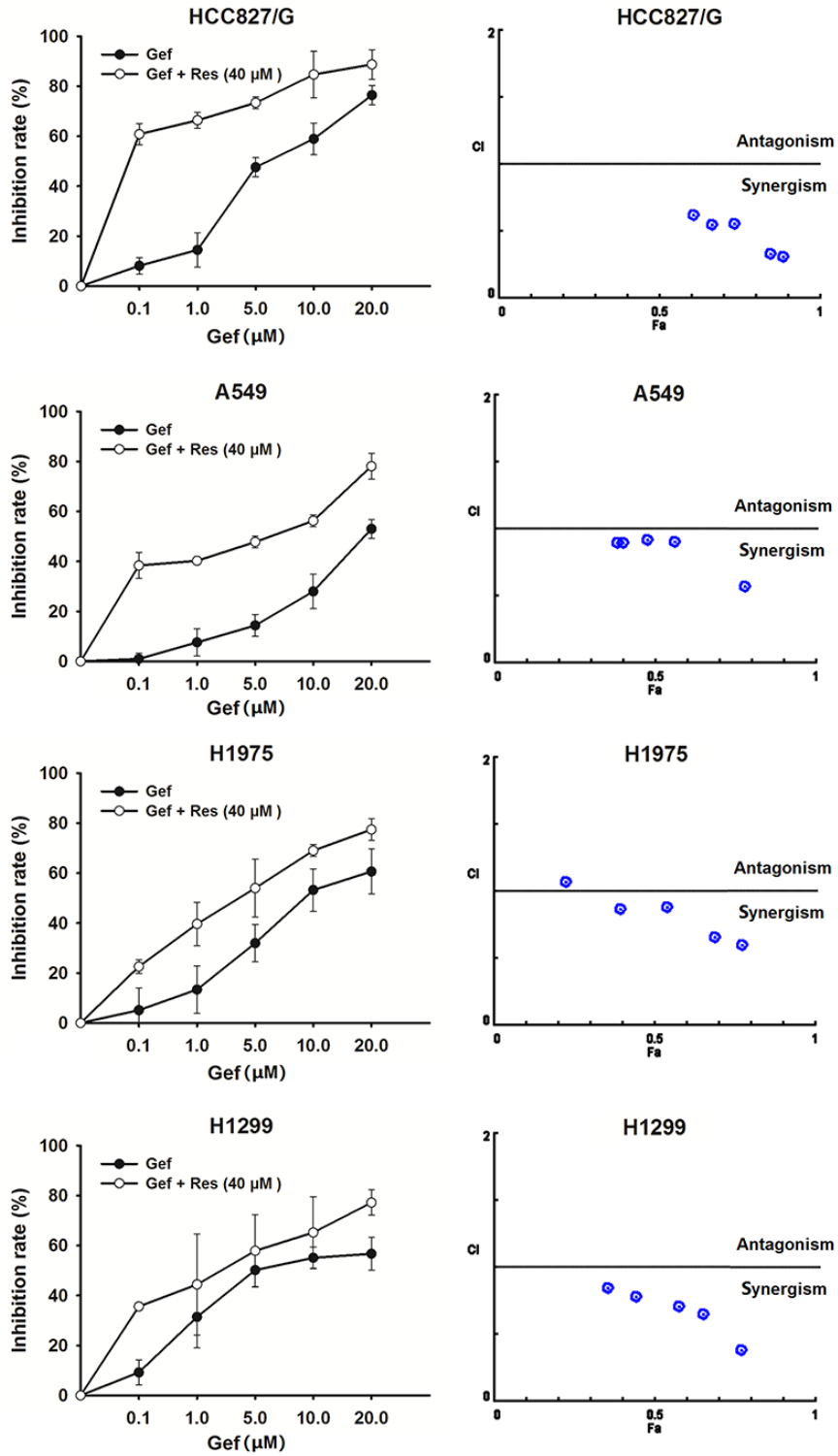Supplementary information for:

Resveratrol overcomes gefitinib resistance by increasing the intracellular gefitinib concentration and triggering apoptosis, autophagy and senescence in PC9/G NSCLC cells

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Supplementary Figure S1

Supplementary Figure S1. The synergistic antiproliferative effects of Res and Gef in NSCLC cells. HCC827/G **(A)**, A549 **(B)**, H1975 **(C)**, and H1299 **(D)** cells were plated in 96-well plates and cultured in the presence of the indicated concentrations of Gef, alone or in combination with a fixed concentration of Res (40 µM) for 72 h. The viability of cells were assayed by MTT assay. Data are shown as means ±SD of three independent experiments. The CI values for Res and Gef in different cells were determined according to the Chou-Talalay's method. CI < 0.9, CI = 0.9 − 1.1, and CI > 1.1 indicated synergistic, additive and antagonistic effects, respectively.

Supplementary Table S1

Cell lines	EGFR mutation	K-Ras	Gef IC$_{50}$ (μM)	Res IC$_{50}$ (μM)
PC9	delE746-A750	WT	0.021 ±0.005	82.50 ±10.04
PC9/G	delE746-A750	WT	6.54 ±0.58	33.90 ±1.60
HCC827	delE746-A750	WT	0.014 ±0.008	73.44 ±4.32
HCC827/G	delE746-A750	WT	5.61 ±1.48	42.94 ±3.54
A549	WT	G12S	17.35 ±3.96	72.39 ±2.76
H1975	L858R/T790M	WT	11.52 ±2.93	74.59 ±2.03
H1299	WT	WT	7.08 ±1.23	88.84 ±1.62

Supplementary Table S1. The characteristics of NSCLC cell lines and the IC$_{50}$ values of Gef and Res. The IC$_{50}$ values for Gef > 1 μM was defined as Gef-resistant in NSCLC cell lines. Data are shown as means ±SD of three independent experiments.

Supplement Table S2

siRNA	Sequences
CYP1A1 siRNA-1	Sense: 5'-CCUUCACCCUCAUCAGUAATT-3' Antisense: 5'-UUACUGAUGAGGGUGAAGGTT-3'
CYP1A1 siRNA-2	Sense: 5'-CCUAGUCAACCUGAAUAAUTT-3' Antisense: 5'-AUUAUUCAGGUUGACUAGGTT-3'
CYP1A1 siRNA-3	Sense: 5'-GCUGGAUGAGAACGCCAAUTT-3' Antisense: 5'-AUUGGCGUUCUCAUCCAGCTT-3'
ABCG2 siRNA-1	Sense: 5'-GGAGGCAAAUCUUCGUUAUTT-3' Antisense: 5'-AUAACGAAGAUUUGCCUCCTT-3'
ABCG2 siRNA-2	Sense: 5'-GGCCUUGGGAUACUUUGAATT-3' Antisense: 5'-UUCAAAGUAUCCCAAGGCCTT-3'
ABCG2 siRNA-3	Sense: 5'-GCCUACCUGAAAUUGUUAUTT-3' Antisense: 5'-AUAACAAUUUCAGGUAGGCTT-3'
Control siRNA	Sense: 5'-UUCUCC- GAACGUGUCACGUTT-3' Antisense: 5'-ACGUGACACGUUCGGAGAATT-3'

Supplement Table S2. Sequences of siRNAs targeting CYP1A1 and ABCG2.