

Table SI. Semi-quantification of expression levels of proteins involved in apoptosis, as shown in the western blotting in Fig. 3B.

Protein		Control	TRAIL	Phloretin	TRAIL + phloretin
c-PARP	1st	0.028	0.090	0.043	0.525
	2nd	0.081	0.251	0.122	1.619
	3rd	0.057	0.170	0.084	1.076
c-caspase 3	1st	0.071	0.061	0.049	0.523
	2nd	0.064	0.047	0.067	0.725
	3rd	0.203	0.131	0.196	2.253
c-caspase 8	1st	0.198	0.461	0.233	0.723
	2nd	0.631	1.293	0.680	2.247
	3rd	0.196	0.315	0.340	1.706
c-caspase 9	1st	0.145	0.097	0.202	0.844
	2nd	0.461	0.273	0.591	2.623
	3rd	0.174	0.150	0.314	1.632

c-, cleaved; PARP, poly (ADP-ribose) polymerase; TRAIL, tumor necrosis factor-related apoptosis-inducing ligand.

Table SII. Semi-quantification of expression levels of proteins involved in the apoptosis signaling pathway, as shown in the western blotting in Fig. 3C.

Protein	Control	Phloretin			P-value
	1st-3rd	1st	2nd	3rd	
DR4	1	1.276	1.279	1.272	0.0000000178625
DR5	1	1.068	1.129	1.101	0.004690763
Bax	1	0.702	0.721	0.723	0.00000178015
Bim	1	1.155	1.157	0.940	0.306464462
Puma	1	0.746	0.748	1.026	0.16039682
Bid	1	0.762	0.764	0.839	0.00112634
Bcl-xL	1	1.165	1.168	1.378	0.028195579
Bcl-2	1	1.491	1.494	0.768	0.357105933
Mcl-1	1	0.427	0.428	0.580	0.000510264
XIAP	1	0.930	0.933	0.847	0.026301825
Survivin	1	0.825	0.827	0.957	0.040818333

Bid, BH3 interacting domain death agonist; Bim, Bcl-2-like protein 11; DR, death receptor; Mcl-1, MCL1 apoptosis regulator BCL2 family member; Puma, p53-upregulated modulator of apoptosis; XIAP, X-linked inhibitor of apoptosis protein.

Table SIII. Semi-quantification of MCL1 apoptosis regulator BCL2 family member expression in DLD-1 and SUN283 cells treated with phloretin, as shown in the western blotting in Fig. 3D.

Cell line		Control	Phloretin
DLD-1	1st	1	0.179
	2nd	1	0.179
	3rd	1	0.092
SNU283	1st	1	0.515
	2nd	1	0.441
	3rd	1	0.532

Table SIV. Semi-quantification of MCL1 apoptosis regulator BCL2 family member expression in HT-29-Luc cells after treatment with phloretin and MG132, as shown in the western blotting in Fig. 4C.

	Control	Phloretin	MG132	MG132 + phloretin
1st	1	0.143	2.122	2.295
2nd	1	0.151	2.117	2.210
3rd	1	0.021	2.385	2.566

Table SV. Semi-quantification of MCL1 apoptosis regulator BCL2 family member in lysates after immunoprecipitation with ubiquitin, as shown in the western blotting in Fig. 4D.

	1st	2nd	3rd
IgG	1	1	1
Control	1.010	0.949	1.008
Phloretin	0.014	0.021	0.014

Table SVI. Percentage of tumor weight compared with mouse weight.

	Control, %	TRAIL, %	Phloretin, %	TRAIL + phloretin, %
1	5.6	2.9	5.4	2.2
2	4.2	5.1	6.4	2.5
3	3.9	7.2	3.4	4.5
4	3.3	2.6	3.1	4.6
5	10.3	6.1	3.9	

TRAIL, tumor necrosis factor-related apoptosis-inducing ligand.