

Piperine suppresses cell growth and migration of human breast cancer cells through attenuation of Rac1 expression

Running title: Piperine suppresses breast cancer cells

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Supplementary Table. IC₅₀ and Emax of piperine and doxorubicin against two breast cancer cells.

Treatment groups	Incubation time	MCF-7		MDA-MB-231	
		IC ₅₀ (µg/mL)	Emax	IC ₅₀ (µg/mL)	Emax
Piperine	24 h	117.23±6.78	68.33±2.83	179.73±8.14	71.92±1.56
	48 h	72.25±5.82*	73.77±2.15*	165.96±8.97	73.59±3.11
	72 h	25.40±2.86*	90.84±2.15*	62.94±7.50*	94.45±0.56*
Doxorubicin	24 h	4.52±1.12#	69.33±5.81	9.71±2.67#	57.67±6.74#
	48 h	1.19±0.19*#	90.01±4.35*#	5.62±1.22*#	63.33±3.05#
	72 h	0.56±0.11*#	96.33±1.52*#	1.77±0.35*#	76.33±8.08*#

**P*<0.05 compared with 24 h incubation period of each group. Emax: maximum efficacy.

#*P*<0.05 compared with piperine treatment of each incubation periods.