

**Supplemental table 1**

Activity	Concentration ( $\mu$ M)	Control	Isothiocyanates		
			Iberin	Sulforaphane	Alysin
<b>Mode of cell death</b>					
% Apoptotic cells	0	10.7 $\pm$ 1.1			
	20		11.3 $\pm$ 2.2	12.1 $\pm$ 5.4	26.9 $\pm$ 1.4*
	40		22.7 $\pm$ 4.9*	20.2 $\pm$ 0.9*	32.0 $\pm$ 0.4*
	80		41.9 $\pm$ 3.4*	30.9 $\pm$ 2.1*	56.7 $\pm$ 5.3*
% Necrotic cells	0	0.63 $\pm$ 0.3			
	20		0.6 $\pm$ 0.3	2.8 $\pm$ 3.7	1.3 $\pm$ 0.2
	40		1.5 $\pm$ 0.3	1.1 $\pm$ 0.1	3.0 $\pm$ 0.4
	80		17.0 $\pm$ 1.7*	14.3 $\pm$ 3.4*	22.0 $\pm$ 1.9*
<b>Cell phase arrest</b>					
% G <sub>1</sub>	0	65.5 $\pm$ 0.4			
	10		76.4 $\pm$ 2.1*	78.9 $\pm$ 0.3*	75.9 $\pm$ 0.6*
	20		49.9 $\pm$ 1.8*	59.4 $\pm$ 1.2*	52.1 $\pm$ 0.9*
	40		36.7 $\pm$ 1.7*	32.0 $\pm$ 0.3*	40.8 $\pm$ 1.4*
% S	0	19.0 $\pm$ 0.3			
	10		6.7 $\pm$ 1.0*	9.7 $\pm$ 0.2*	6.7 $\pm$ 0.4*
	20		6.1 $\pm$ 0.7*	8.9 $\pm$ 0.6*	6.5 $\pm$ 0.2*
	40		32.6 $\pm$ 1.0*	21.5 $\pm$ 0.9*	24.2 $\pm$ 0.6*
% G <sub>2</sub> /M	0	15.5 $\pm$ 0.1			
	10		16.9 $\pm$ 1.2	11.4 $\pm$ 0.3*	17.2 $\pm$ 0.4
	20		44.0 $\pm$ 2.1*	31.6 $\pm$ 0.7*	41.3 $\pm$ 1.0*
	40		30.7 $\pm$ 0.9*	45.8 $\pm$ 1.4*	35.0 $\pm$ 1.3*
<b>Intracellular ROS level (%)</b>					
	0	9.8 $\pm$ 2.2			
	10		17.7 $\pm$ 2.0*	18.8 $\pm$ 1.2*	23.5 $\pm$ 0.3*
	20		22.4 $\pm$ 1.0*	21.8 $\pm$ 1.1*	24.3 $\pm$ 2.2*
	40		25.4 $\pm$ 2.2*	25.9 $\pm$ 0.7*	36.1 $\pm$ 3.6*
<b>Cell-based tubulin polymerization (%)</b>					
	0	100 $\pm$ 5.1			
	10		74.1 $\pm$ 9.2*	86.3 $\pm$ 11.3	69.5 $\pm$ 4.0*
	20		61.1 $\pm$ 7.6*	69.9 $\pm$ 9.3*	69.4 $\pm$ 3.3*
	40		49.7 $\pm$ 1.6*	60.1 $\pm$ 1.4*	53.2 $\pm$ 2.4*

\*  $p < 0.05$ , significant difference compared to control. All data expressed as means  $\pm$  SD ( $n = 3$ ).