

Supplementary Table 1. Individual relative population doubling (RPD) data from the first study for dose range-finding of Ssanghwa-tang (SHT) in CHL cells

Nominal Conc. of SHT ($\mu\text{g/mL}$)	Metabolic Activation System	Times ^a (hours)	Cell Counts ^b		Mean	PD ^c	RPD (%) ^d
			One Flask/Concentration				
6-hour treatment (6+S)							
0	+	6-18	6905	6944	6925	1.163	100
19.53	+	6-18	6567	6425	6496	1.071	92
39.06	+	6-18	6745	6801	6773	1.131	97
78.13	+	6-18	6920	6923	6922	1.162	100
156.25	+	6-18	7049	7000	7025	1.184	102
312.5	+	6-18	7174	7191	7183	1.216	105
625	+	6-18	7128	7084	7106	1.200	103
1250 #&	+	6-18	6897	6881	6889	1.156	99
2500 #&	+	6-18	6565	6436	6501	1.072	92
5000 #&	+	6-18	5762	5711	5737	0.891	77
6-hour treatment (6-S)							
0	-	6-18	10014	10071	10043	1.699	100
19.53	-	6-18	10551	10607	10579	1.774	104
39.06	-	6-18	10796	10682	10739	1.796	106
78.13	-	6-18	10678	10733	10706	1.792	105
156.25	-	6-18	10899	10820	10860	1.812	107
312.5	-	6-18	11017	10954	10986	1.829	108
625	-	6-18	11378	11276	11327	1.873	110
1250 #&	-	6-18	10428	10550	10489	1.762	104
2500 #&	-	6-18	8463	8466	8465	1.453	85
5000 #&	-	6-18	4434	4430	4432	0.519	31
22-hour treatment (22-S)							
0	-	22-2	8461	8361	8411	1.444	100
19.53	-	22-2	8415	8283	8349	1.433	99
39.06	-	22-2	8235	8222	8229	1.412	98
78.13	-	22-2	8633	8624	8629	1.480	103
156.25	-	22-2	8563	8562	8563	1.469	102
312.5	-	22-2	8409	8476	8443	1.449	100
625	-	22-2	8833	8884	8859	1.518	105
1250 #&	-	22-2	8191	8277	8234	1.413	98
2500 #&	-	22-2	5757	5696	5727	0.889	62
5000 #&	-	22-2	3761	3630	3696	0.257	18
Cell number at the treatment			3104	3081	3093		

Visible turbidity of SHT was observed at the beginning of the treatment.

& Visible turbidity of SHT was observed at the end of the treatment.

^a Treatment time-recovery time

^b Each culture was trypsinized and suspended with 1.0 mL of 0.05% trypsin-EDTA and 9.0 mL of culture medium. The cell suspensions of 0.8 mL/culture were diluted 25 times with 19.2 mL of Isoton solution. The cells in 0.5 mL Isoton solution were counted twice/culture using Coulter Counter[®] model ZM. Actual number of cells per culture = Mean Count \times 500.

^c Population Doubling = $[\log(\text{Post-treatment cell number} \div \text{Initial cell number})] \div \log 2$

^d RPD = $\frac{\text{No. of Population doubling in treated cultures}}{\text{No. of Population doubling in control cultures}} \times 100 (\%)$

Abbreviations:

RPD, Relative Population Doubling; +, Presence of metabolic activation system; -, Absence of metabolic activation system