

Supplementary Table 2. Individual relative population doubling (RPD) data from the second study for dose range-finding of Ssanghwa-tang (SHT) in CHL cells

Study No. P117008								
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	10130	9999	10065	1.618	100
2600	#&	-	6-18	7814	7981	7898	1.268	78
2900	#&	-	6-18	6741	6697	6719	1.035	64
3200	#&	-	6-18	6305	6405	6355	0.954	59
3500	#&	-	6-18	5859	5762	5811	0.825	51
3800	#&	-	6-18	5806	5776	5791	0.820	51
4100	#&	-	6-18	5429	5307	5368	0.711	44
4400	#&	-	6-18	5148	5032	5090	0.634	39
4700	#&	-	6-18	4751	4753	4752	0.535	33
5000	#&	-	6-18	3604	3647	3626	0.144	9
22-hour treatment (22-S)								
0		-	22-2	9473	9532	9503	1.535	100
2000	#&	-	22-2	7109	6998	7054	1.105	72
2600	#&	-	22-2	5562	5589	5576	0.765	50
2900	#&	-	22-2	5070	5060	5065	0.627	41
3200	#&	-	22-2	4635	4505	4570	0.478	31
3500	#&	-	22-2	4336	4280	4308	0.393	26
3800	#&	-	22-2	3806	3711	3759	0.196	13
4100	#&	-	22-2	3745	3607	3676	0.164	11
4400	#&	-	22-2	3558	3466	3512	0.099	6
4700	#&	-	22-2	3092	3120	3106	-0.079	-5
Cell number at the treatment				3248	3312	3280		

[#] 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