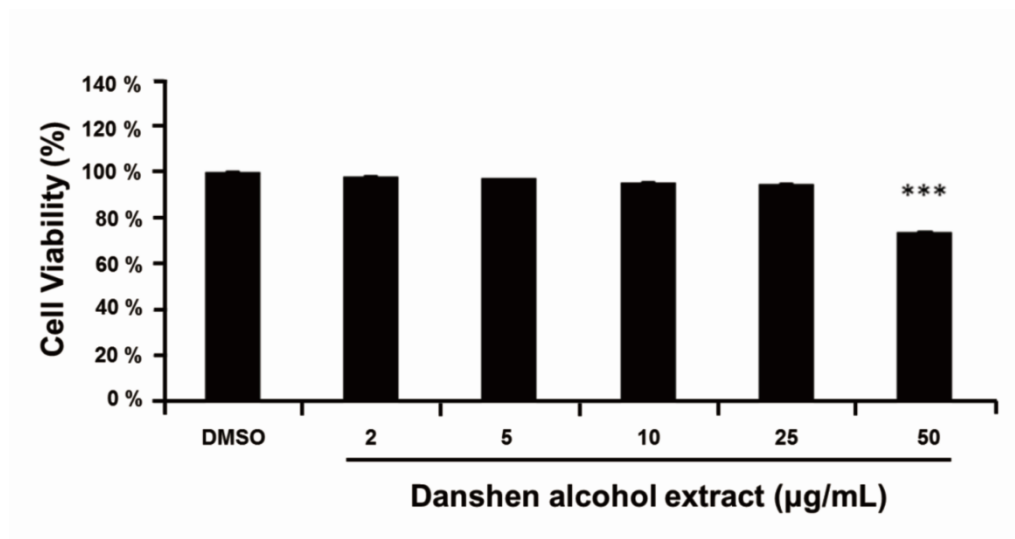


**Anti-cancer Effects of *Salvia miltiorrhiza* Alcohol Extract on  
Oral Squamous Carcinoma Cells**

***Supplementary Information***



**Supplementary Figure S1.** NOK cell viability following treatment with Danshen alcohol extract. Cells were treated with concentrations of 0, 2, 5, 10, 25 or 50 µg/ml of Danshen alcohol extract for 24 hrs. MTT assay results are expressed as mean  $\pm$  SEM (n=4). \*\*\* $p$  < 0.001.

**Table S1. Quantitative HPLC data for two major components in extracts from China- and Taiwan-grown Danshen plants.**

Sample	Salvianolic acid B (mg/g)	Tanshinone IIA (mg/g)
CD1	86.05	3.42
CD2	101.07	3.04
CD3	85.60	0.08
TD1	121.82	4.94
TD2	100.46	3.44
TD3	95.10	0.02

CD: China Danshen; TD: Taiwan Danshen.

CD1 and TD1: 95% ethanol extract; CD2 and TD2: 1:1 water/ethanol extract; CD3 and TD3: water extract.

**Table S2. DPPH radical scavenging data for extracts from China- and Taiwan-grown Danshen plants.**

Sample	Scavenging Rate (%)				SC <sub>50</sub>
	0.08 (mg/mL)	0.1 (mg/mL)	0.2 (mg/mL)	0.4 (mg/mL)	
CD1		30.57 ± 4.56	49.62 ± 3.03	66.61 ± 2.40	0.331
CD2	26.68 ± 0.97	34.17 ± 4.21	55.17 ± 8.52		0.198
CD3	29.60 ± 4.04	38.47 ± 5.94	64.58 ± 8.60		0.132
TD1	42.00 ± 0.70	54.55 ± 1.38	71.20 ± 4.27		0.094
TD2		24.66 ± 4.44	38.90 ± 2.92	59.90 ± 0.99	0.311
TD3		32.28 ± 3.74	45.33 ± 5.16	63.99 ± 3.11	0.260
	10	20	40		SC <sub>50</sub>
Trolox	25.39 ± 0.35	44.13 ± 1.96	91.35 ± 0.80		0.022

Note: Trolox served as a positive control.

CD: China Danshen; TD: Taiwan Danshen.

CD1 and TD1: 95% ethanol extract; CD2 and TD2: 1:1 water/ethanol extract; CD3 and TD3: water extract.

**Table S3: ABTS radical cation-scavenging activity in different extracts from China or Taiwan Danshen.**

Sample	Scavenging Rate (%)				SC <sub>50</sub>
	0.08 (mg/mL)	0.1 (mg/mL)	0.2 (mg/mL)	0.4 (mg/mL)	
CD1		26.35 ± 2.12	45.40 ± 2.83	62.61 ± 0.35	0.284
CD2		25.85 ± 0.75	46.66 ± 0.61	73.77 ± 0.71	0.248
CD3		26.86 ± 0.30	47.58 ± 1.93	81.31 ± 0.61	0.228
TD1		34.58 ± 1.89	55.70 ± 0.76	97.93 ± 0.11	0.197
TD2		21.51 ± 1.85	49.85 ± 1.85	87.78 ± 3.09	0.232
TD3		37.16 ± 2.91	47.82 ± 2.01	88.02 ± 2.49	0.223
	20	40	50	80	SC <sub>50</sub>
Trolox	20.80± 0.87	47.60± 0.90	53.97± 1.02	94.25± 0.83	0.048

Note: Trolox served as a positive control.

CD: China Danshen; TD: Taiwan Danshen.

CD1 and TD1: 95% ethanol extract; CD2 and TD2: 1:1 water/ethanol extract; CD3 and TD3: water extract.