

Table 1S. Body weight gain and food intake of tested animals

Group		Body weight (g)		Food intake (g/day)
		Initial body weight	Final body weight	
Control	NC	22.87 ± 0.64 ^{ns}	32.82 ± 0.30 ^{ns}	4.03 ± 0.17 ^b
	UVBC	23.18 ± 0.49 ^{ns}	33.17 ± 0.98 ^{ns}	4.01 ± 0.32 ^b
Topical	BC	22.68 ± 1.06 ^{ns}	33.00 ± 0.47 ^{ns}	4.12 ± 0.08 ^b
	O	23.62 ± 0.62 ^{ns}	33.54 ± 0.29 ^{ns}	4.67 ± 0.15 ^a
	EL	22.76 ± 0.77 ^{ns}	30.94 ± 0.48 ^{ns}	4.26 ± 0.22 ^{ab}
	EH	23.30 ± 0.67 ^{ns}	33.28 ± 1.01 ^{ns}	4.48 ± 0.12 ^{ab}
	OEL	23.50 ± 0.64 ^{ns}	32.08 ± 0.38 ^{ns}	4.07 ± 0.06 ^b
	OEH	22.66 ± 0.20 ^{ns}	32.36 ± 0.49 ^{ns}	4.36 ± 0.09 ^b

Values are represented as mean ± SEM (n=5). Means with different letters in the same column indicate significant differences at p < 0.05 by Duncan's multiple range test. ns: not significant; NC: Normal Control; UVBC: UVB Control, BC; Base Control, O; Application of OSCG, EL; Low dosage application of ESCG, EH; High dosage application of ESCG, OEL; Low dosage application of OSCG (0.5%) and ESCG (0.1%), OEH; High dosage application of OSCG(0.5%) and ESCG(0.5%),

Table 2S. Organ weight on hairless mice after 12 weeks of treatment

Group		Organ weight (mg/100 g of body weight)			
		Liver	Kidney	Heart	Spleen
Control	NC	41.25 ± 0.45 ^{ns}	8.13 ± 0.15 ^{ab}	6.26 ± 0.33 ^a	2.62 ± 0.09 ^b
	UVC	42.37 ± 0.53 ^{ns}	7.81 ± 0.28 ^b	6.38 ± 0.20 ^a	2.95 ± 0.07 ^a
Topical	BC	41.45 ± 0.68 ^{ns}	7.61 ± 0.15 ^b	6.09 ± 0.31 ^a	2.63 ± 0.13 ^b
	O	42.54 ± 0.67 ^{ns}	8.36 ± 0.17 ^a	6.33 ± 0.17 ^a	2.87 ± 0.10 ^a
	EL	41.63 ± 0.54 ^{ns}	7.99 ± 0.18 ^b	5.97 ± 0.22 ^{ab}	2.75 ± 0.11 ^{ab}
	EH	42.55 ± 0.89 ^{ns}	8.45 ± 0.17 ^a	5.79 ± 0.28 ^a	2.55 ± 0.12 ^b
	OEL	41.13 ± 0.84 ^{ns}	8.09 ± 0.25 ^{ab}	6.20 ± 0.10 ^{ab}	2.73 ± 0.13 ^{ab}
	OEH	40.98 ± 1.18 ^{ns}	8.35 ± 0.24 ^a	5.70 ± 0.22 ^a	2.45 ± 0.12 ^b

Values are represented as mean ± SEM (n=5). Means with different letters in the same column indicate significant differences at $p < 0.05$ by Duncan's multiple range test. ns: not significant; NC: Normal Control; UVBC: UVB Control, BC; Base Control, O; Application of OSCG, EL; Low dosage application of ESCG, EH; High dosage application of ESCG, OEL; Low dosage application of OSCG (0.5%) and ESCG (0.1%), OEH; High dosage application of OSCG(0.5%) and ESCG(0.5%),

Table 3S. The fatty acid composition of OSCG

Carbon no.	Composition of fatty acid (%)
Palmitic acid (C16:0)	36.51
Palmitoleic acid (C16:1)	0.85
Stearic acid (C18:0)	8.51
Oleic acid (C18:1)	10.96
Linoleic acid (C18:2)	39.30
Linolenic acid (C18:3)	1.11
Arachidonic acid(C20:4)	2.75
SFA(%)	45.02
MUFA(%)	11.81
PUFA(%)	43.16
P/S	0.96