

Supporting Information

Evaluation of the anti-inflammatory properties of telmesteine on inflammation-associated skin diseases

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Table 1 Data for figure 3

	Control	TPA	5 μ	10 μ	15 μ	20 μ
Weight of ear punches (mg)	6.8 \pm 1.6	17.3 \pm 3.2	13.1 \pm 2.4	10.4 \pm 2.2	8.9 \pm 1.6	7.8 \pm 1.2
t(vs TPA group)	5.083	-	1.819	3.078	4.067	4.815
P(vs TPA group)	0.007	-	0.143	0.037	0.015	0.009

Table 2 Data for figure 5

	Control	TPA	5 μ	10 μ	15 μ	20 μ
IL-1 β	1.01 \pm 0.42	4.48 \pm 0.79	3.88 \pm 0.71	3.51 \pm 0.52	3.29 \pm 0.59	2.62 \pm 0.51
t(vs TPA group)	6.718	-	0.798	1.776	2.090	3.426
P(vs TPA group)	0.003	-	0.383	0.150	0.105	0.026
IL-6	0.51 \pm 0.32	3.89 \pm 0.71	3.61 \pm 0.79	3.42 \pm 0.61	2.98 \pm 0.52	2.79 \pm 0.51
t(vs TPA group)	7.517	-	0.457	0.870	1.791	2.179
P(vs TPA group)	0.002	-	0.672	0.434	0.148	0.095
TNF- α	0.48 \pm 0.31	4.28 \pm 0.70	3.81 \pm 0.59	3.78 \pm 0.53	3.18 \pm 0.53	2.71 \pm 0.42
t(vs TPA group)	8.597	-	0.890	0.986	2.170	3.331
P(vs TPA group)	0.001	-	0.424	0.380	0.096	0.029

Table 3 Data for figure 6

	Control	TPA	5 μ	10 μ	15 μ	20 μ
P65	1.37 \pm 0.61	6.30 \pm 0.89	5.56 \pm 0.61	4.86 \pm 0.60	4.37 \pm 0.62	3.94 \pm 0.51
t(vs TPA group)	7.914	-	1.188	2.324	3.082	3.985
P(vs TPA group)	0.001	-	0.301	0.081	0.037	0.016
p-p65	1.31 \pm 0.59	6.84 \pm 1.20	6.09 \pm 0.89	5.44 \pm 0.68	4.94 \pm 0.60	4.37 \pm 0.69
t(vs TPA group)	7.163	-	0.870	1.758	2.453	3.091
P(vs TPA group)	0.002	-	0.433	0.157	0.070	0.037

Table 4 Data for figure 7

	Control	TPA	5 μ	10 μ	15 μ	20 μ
I κ B α	4.33 \pm 0.71	0.58 \pm 0.38	1.20 \pm 0.41	2.16 \pm 0.51	2.89 \pm 0.60	3.35 \pm 0.69
t(vs TPA group)	8.066	-	1.921	4.303	5.634	6.091
P(vs TPA group)	0.001	-	0.127	0.013	0.005	0.004
p- I κ B α	0.70 \pm 0.30	4.59 \pm 0.90	3.91 \pm 0.61	3.50 \pm 0.69	3.12 \pm 0.59	2.72 \pm 0.51
t(vs TPA group)	7.102	-	1.083	1.665	2.366	3.131
P(vs TPA group)	0.002	-	0.340	0.171	0.077	0.035
IKK	0.59 \pm 0.38	4.41 \pm 0.92	4.10 \pm 0.71	3.82 \pm 0.60	3.19 \pm 0.51	2.80 \pm 0.57
t(vs TPA group)	6.647	-	0.462	0.930	2.009	2.577
P(vs TPA group)	0.003	-	0.668	0.405	0.115	0.062

Table 5 Data for figure 8

	Control	TPA	5 μ	10 μ	15 μ	20 μ
Atk	0.61 \pm 0.31	3.49 \pm 0.72	3.08 \pm 0.59	2.79 \pm 0.51	2.40 \pm 0.59	1.89 \pm 0.51
t(vs TPA group)	6.363	-	0.763	1.374	2.028	3.141
P(vs TPA group)	0.003	-	0.488	0.241	0.112	0.035
p-Atk	0.90 \pm 0.42	4.11 \pm 0.82	3.32 \pm 0.64	3.05 \pm 0.61	2.48 \pm 0.59	2.08 \pm 0.49
t(vs TPA group)	6.035	-	1.315	1.796	2.795	3.681
P(vs TPA group)	0.004	-	0.259	0.147	0.049	0.021
p85	0.61 \pm 0.40	3.69 \pm 0.88	3.37 \pm 0.79	2.98 \pm 0.68	2.47 \pm 0.39	1.79 \pm 0.61
t(vs TPA group)	5.519	-	0.469	1.106	2.195	3.073
P(vs TPA group)	0.005	-	0.664	0.331	0.093	0.037
p-p85	0.49 \pm 0.38	3.59 \pm 0.81	3.29 \pm 0.71	3.09 \pm 0.59	2.58 \pm 0.49	2.31 \pm 0.51
t(vs TPA group)	6.001	-	0.482	0.864	1.848	2.316
P(vs TPA group)	0.004	-	0.655	0.436	0.138	0.081