

**Fig. S1. Effects of MF and inhibitors in TNF- $\alpha$ +IFN- $\gamma$ -stimulated HaCaT keratinocytes.**

Cells were pre-treated with MF (highest concentration, 500  $\mu$ g/mL) and PD98059 (10  $\mu$ M) for 1 h and then stimulated with TNF- $\alpha$ +IFN- $\gamma$  (10 ng/mL). (A) Phosphorylation of ERK protein expressions were detected by western blot. (B) Pro-inflammatory cytokines including TNF- $\alpha$  and IL-6 levels were measured by ELISA. (C) The expression of SOCS1 and SOCS3 were stimulated by with TNF- $\alpha$ +IFN- $\gamma$  (10 ng/mL) for 2 h and detected by western blot.  $\beta$ -actin was used as an internal control. Densitometric analysis was performed using ImageJ software. The data shown represent mean  $\pm$  SEM of triplicate independent experiments (n=3). ### $p$  < 0.001 vs. the control group; \*\*\* $p$  < 0.001 vs. the only TNF- $\alpha$ +IFN- $\gamma$ -stimulated group.

