



Supplementary Figure S1 Experimental design for DNFB-induced BALB/c mice. Four days before topical application of SLPY, 1% DNFB applied to evoke AD-like skin lesions. After 4 days of 1% DNFB sensitization, mice were challenged with 0.5% DNFB for two days interval for 3 weeks. Two concentration levels (50, 100 mg/kg) of SLPY and dermatop (0.25% (w/w) topically applied daily to treat AD-like skin lesion and compare against the control and AD groups.

Supplementary Table S1 Primer sequence of the respective gene used in qRT-PCR analysis

Gene	Primer	Sequence
GAPDH	Forward	GCA CAG TCA AGG CCG AGA AT
	Reverse	GCC TTC TCC ATG GTG GTG AA
TNF- α	Forward	AAG CCT GTA GCC CAC GTC GT
	Reverse	GGC ACC ACT AGT TGG TTG TC
IL-4	Forward	ACA GGA GAA GGG ACG CCA T
	Reverse	GAA GCC GTA CAG ACG AGC TC
IL-6	Forward	CCG GAG AGG AGA CTT CAC AG
	Reverse	GGA AAT TGG GGT AGG AAG GA
IL-10	Forward	TCA GCT GTG TCT GGG CCA CT
	Reverse	TTA TGA GTA GGG ACA GGA AG
IL-13	Forward	GCA ACA TCA ACA GGA CCA GA
	Reverse	GTC AGG GAA TCC AGG GCT AC
IL-17	Forward	TCC CCT CTG TCA TCT GGG AA
	Reverse	CTC GAC CCT GAA AGT GAA GG