

Supplementary materials

Protective Effect of *Adenocaulon himalaicum* Edgew. and Its Bioactive Compound Neochlorogenic Acid against UVB-Induced Skin Damage

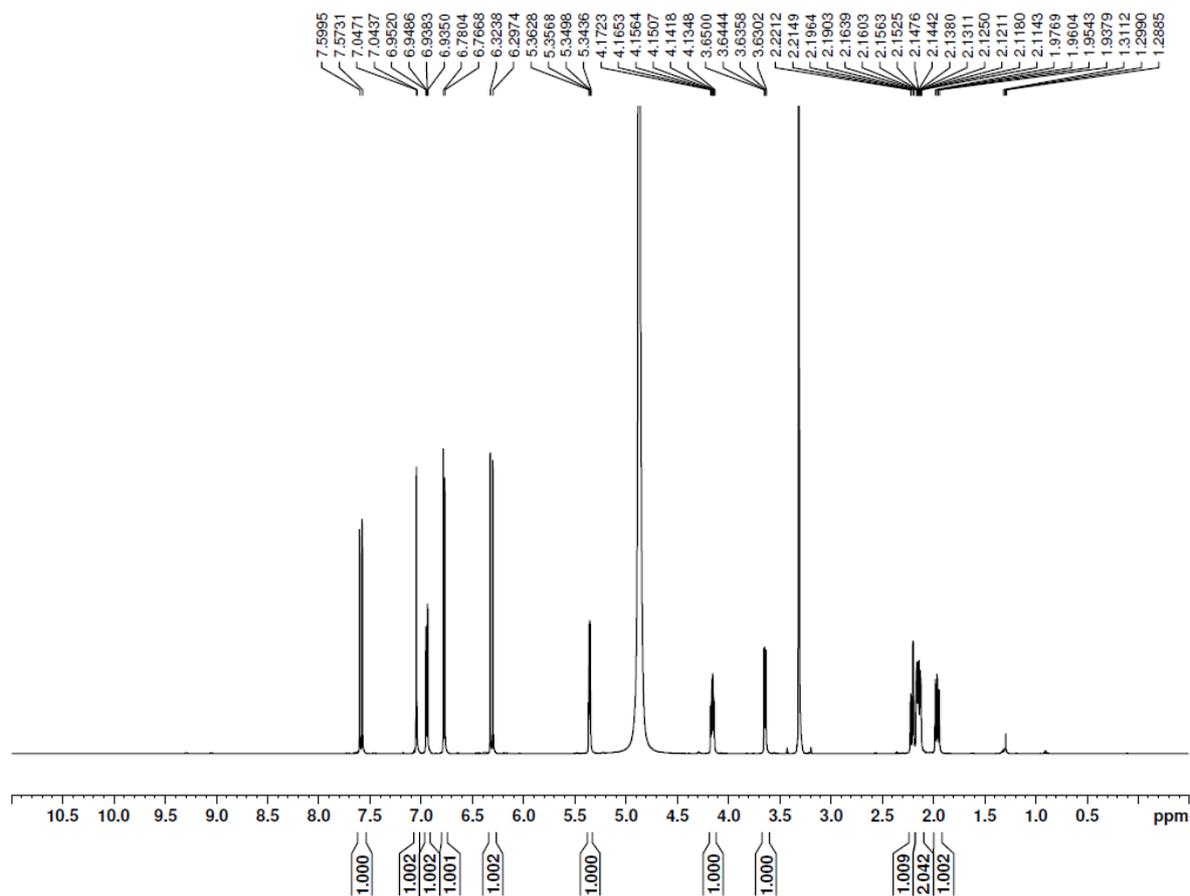


Figure S1. ¹H-NMR spectrum of neochlorogenic acid

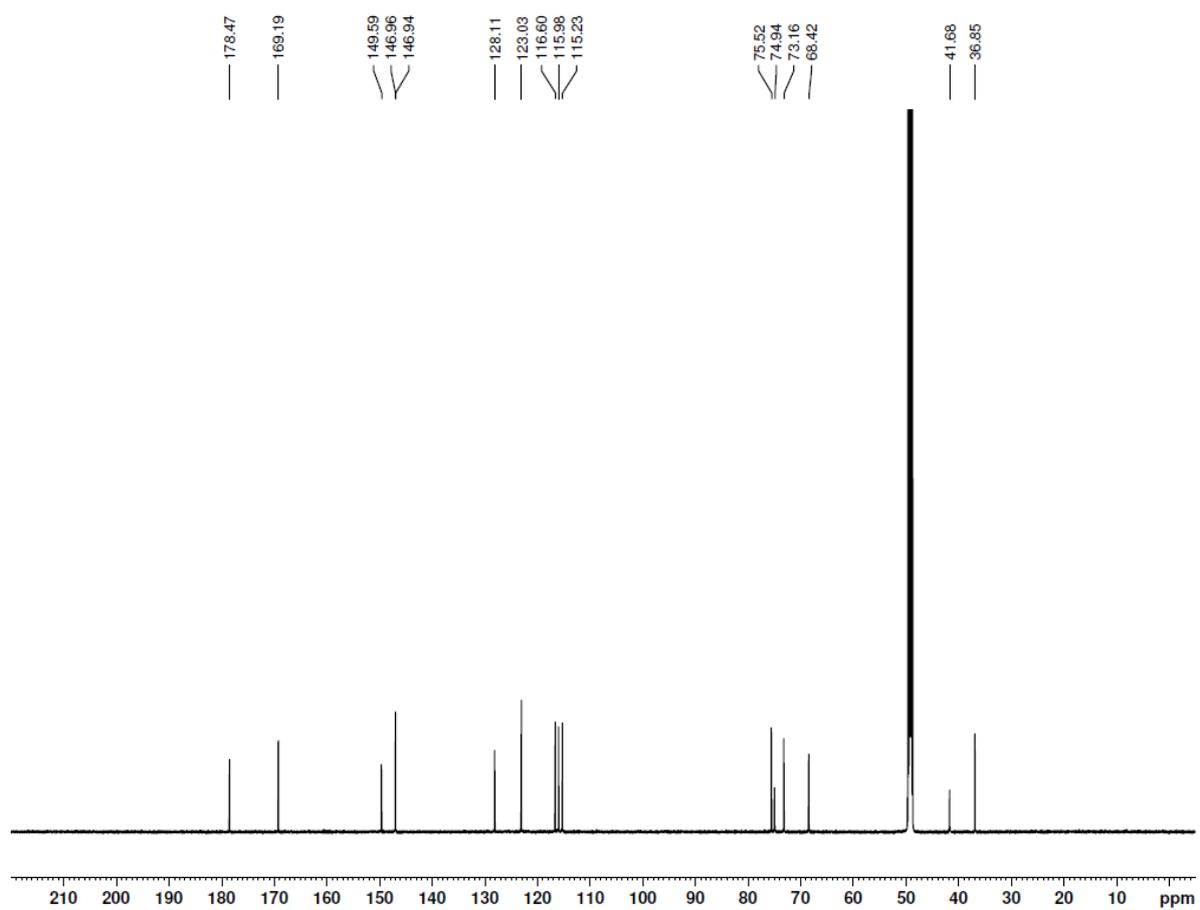


Figure S2. ¹³C-NMR spectrum of neochlorogenic acid

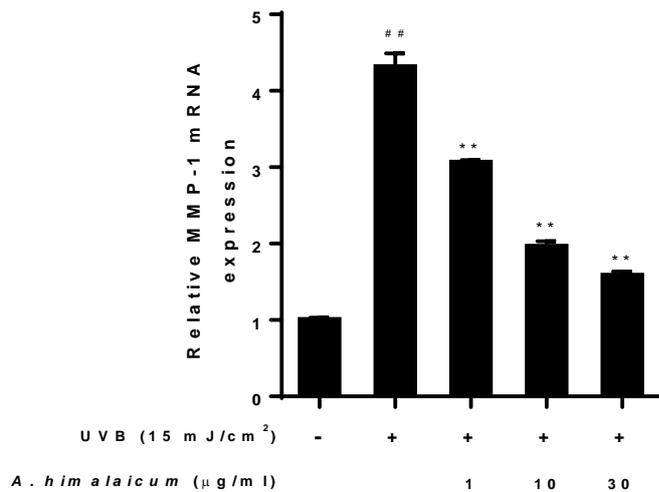


Figure S3. Effect of AHE on MMP-1 mRNA expression levels in UVB-irradiated Hs68 fibroblasts. Cells were exposed to UVB at 15 mJ/cm² and then treated with AHE (1, 10, 30 μg/ml) for 24 h. Total cellular RNA was extracted from AHE-treated cells. mRNA levels of MMP-1 were quantified by qRT-PCR and adjusted to GAPDH. Results are expressed as mean ± S.D. of three independent experiments; ##P<0.01 compared with the non-UVB irradiated control; **P<0.01 compared with the UVB-irradiated control.

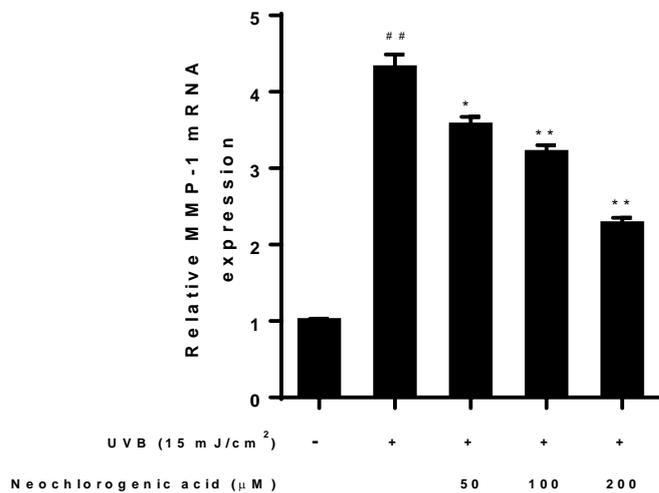


Figure S4. Effect of neochlorogenic acid on MMP-1 mRNA expression levels in UVB-irradiated Hs68 fibroblasts. Cells were exposed to UVB at 15 mJ/cm² and then treated with neochlorogenic acid (50, 100, 200 μM) for 24 h. Total cellular RNA was extracted from AHE-treated cells. mRNA levels of MMP-1 were quantified by qRT-PCR and adjusted to GAPDH. Results are expressed as mean ± S.D. of three independent experiments; ##P<0.01 compared with the non-UVB irradiated control; **P<0.05, **P<0.01

compared with the UVB-irradiated control.