

Supplementary materials

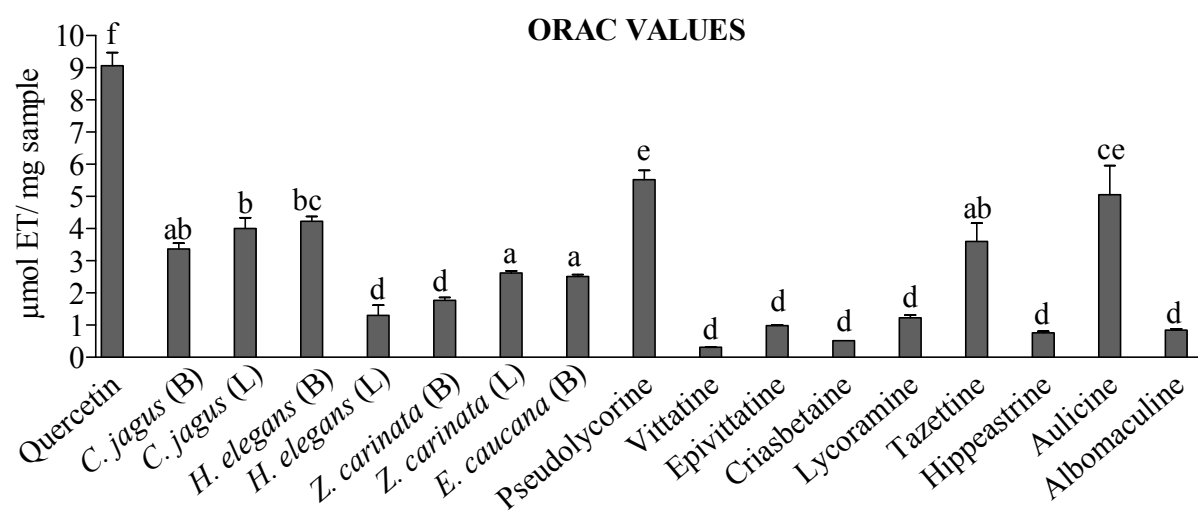
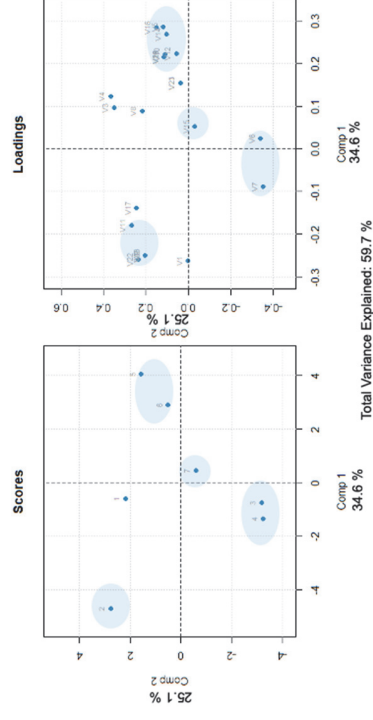
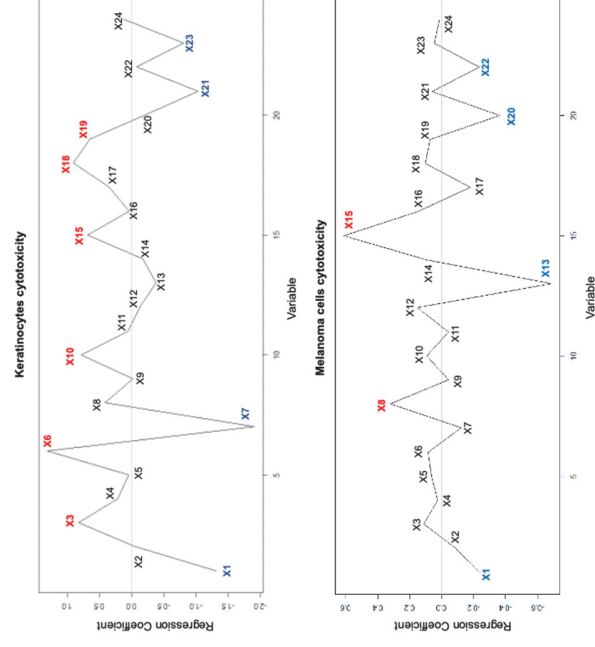


Fig. S1. Oxygen Radical Absorption Capacity of samples determined by ORAC value. Different letters mean significant difference between samples (Bonferroni test, $p < 0.05$).

A



B



C

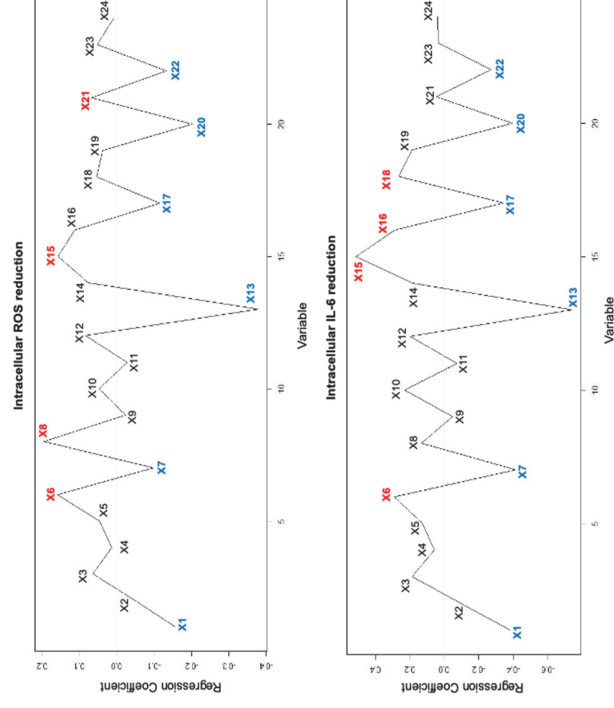


Fig. S2. Multivariate analysis. **(A)** Scores and loading plots of principal component analysis (PCA) for chemical variable distribution in the alkalooid fractions. **(B)** Profiles of correlation between alkalooids detected in GC-MS analysis (Table 1) and cell viability. **(C)** Profiles of correlation between alkalooids detected in GC-MS analysis (Table 1) and photoprotection biomarkers.

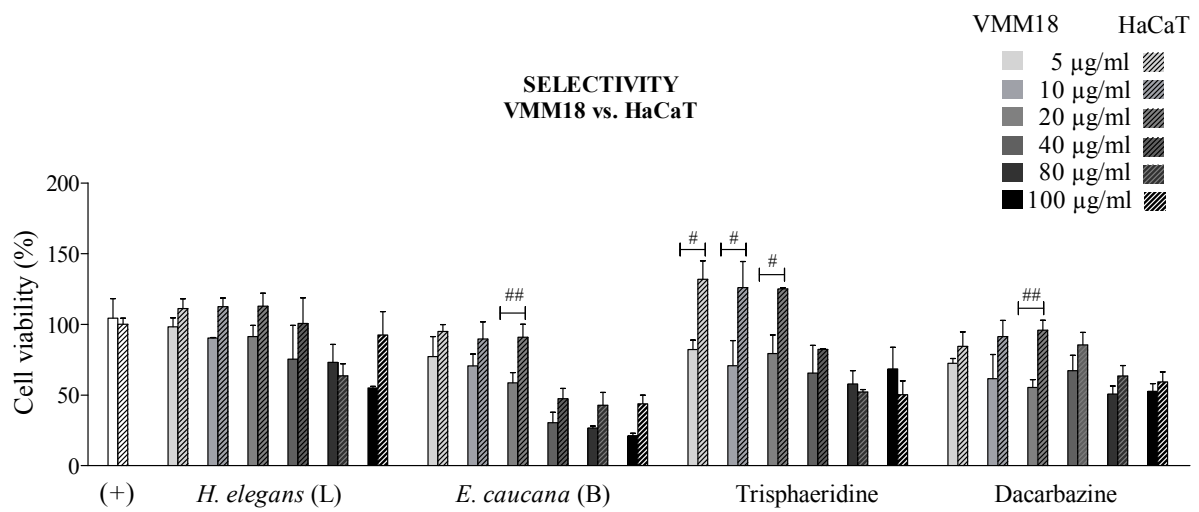


Fig. S3. Selectivity of extracts toward melanoma cells (VMM18) compared to healthy keratinocytes (HaCaT). Significance level of differences between extract effects in cancer and normal cells are indicated with: # Significant ($p < 0.05$); and ## Very significant ($p < 0.01$) (Dunnett's test).