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Sulforaphane and Benzyl isothiocyanate Inhibit Cell Proliferation by Inducing Cell Cycle Arrest and Apoptosis in human AML cell lines.

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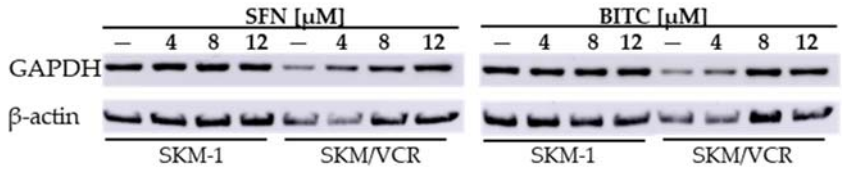

Figure S1. SFN and BITC affect the levels of typically used housekeeping proteins in human AML cell lines SKM-1 and SKM/VCR. Cells were exposed to SFN or BITC (0, 4, 8 and 12 μM) for 12 h. Total protein extracts (60 μg/line) were determined for SDS-PAGE gel electrophoresis and subjected to im-munoblot analysis using anti-GAPDH and anti-β-actin antibodies.

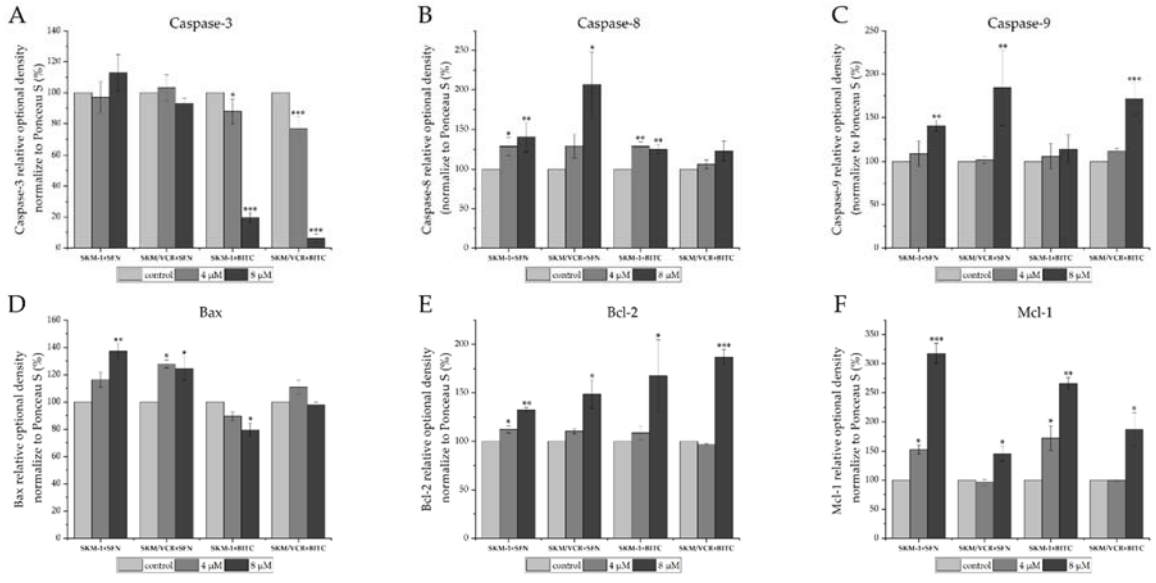

Figure S2. Effect of SFN and BITC treatment on the levels of Bcl-2 family proteins and caspases in SKM-1 and SKM/VCR cell lines. Cells were treated with SFN or BITC (0, 4 and 8 μM) for 12 h. Quantitative analysis of anti-caspase 3, 8 and 9 (A-C) and Bcl-2 family proteins Bax (D), anti-Bcl-2 (E) and Mcl-1 (F). Protein expression was analysed by Western blotting. Red Ponceau staining of total protein signals was used as an internal control. The relative intensity of protein expression was normalised to Ponceau S staining and analysed using ImageJ. Results are expressed as mean ± SD of 3 experiments vs. One-way ANOVA with Tukey's post hoc test (*$P < 0.05$, **$P < 0.01$ and ***$P < 0.001$ vs. control cells) was used to assess the significance of differences in the evaluated parameters.