

*Article*

# Vitamin B<sub>12</sub> Enhances the Cytotoxicity of Diethyldithiocarbamate in a Synergistic Manner, Inducing the Paraptosis-Like Death of Human Larynx Carcinoma Cells

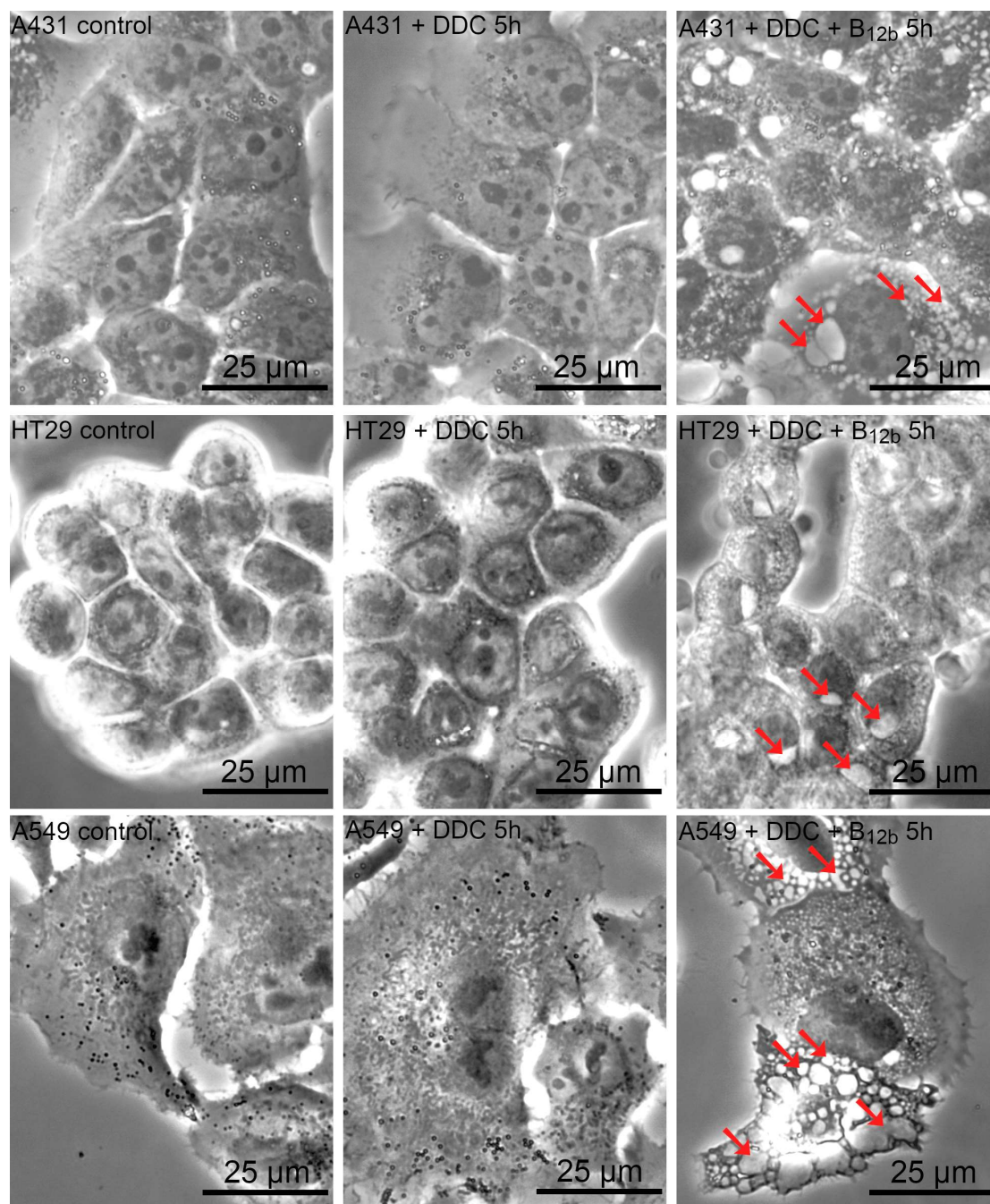
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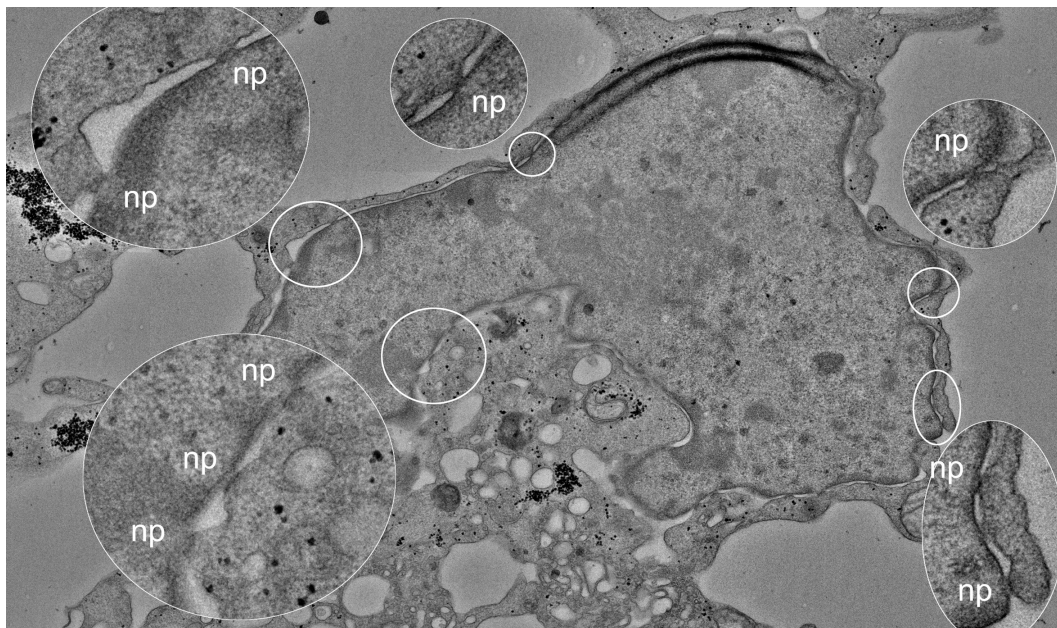
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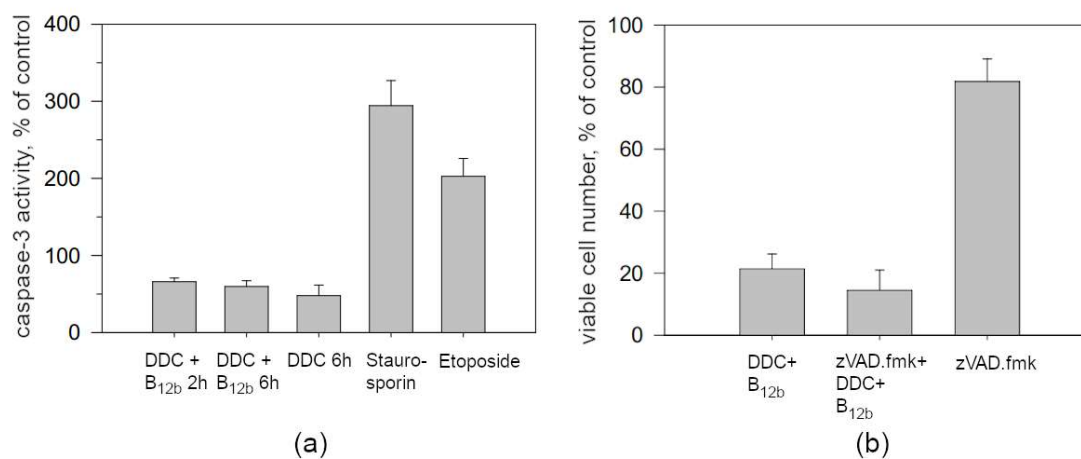
## Supplementary Materials



**Figure S1.** Vacuolization of A431, HT29, and A549 cells at the stage of death initiation by the combination of 1 mM DDC + 25 µM B<sub>12b</sub>.

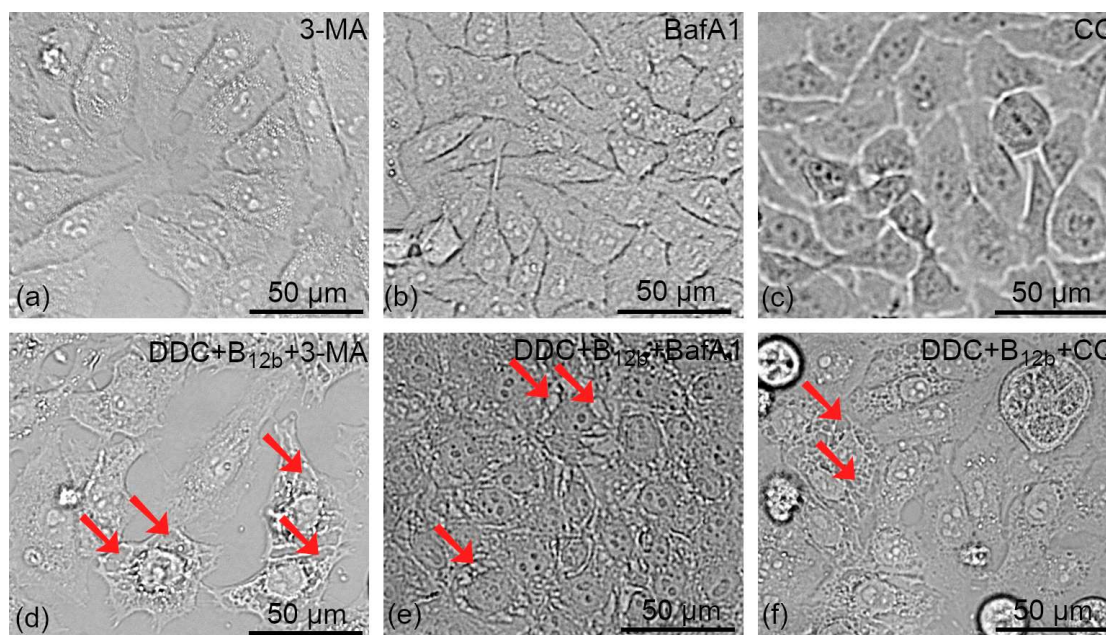


**Figure S2.** Nuclear pores (np) are retained during ER swelling (vacuolization) induced by incubation with DDC + B<sub>12b</sub>.

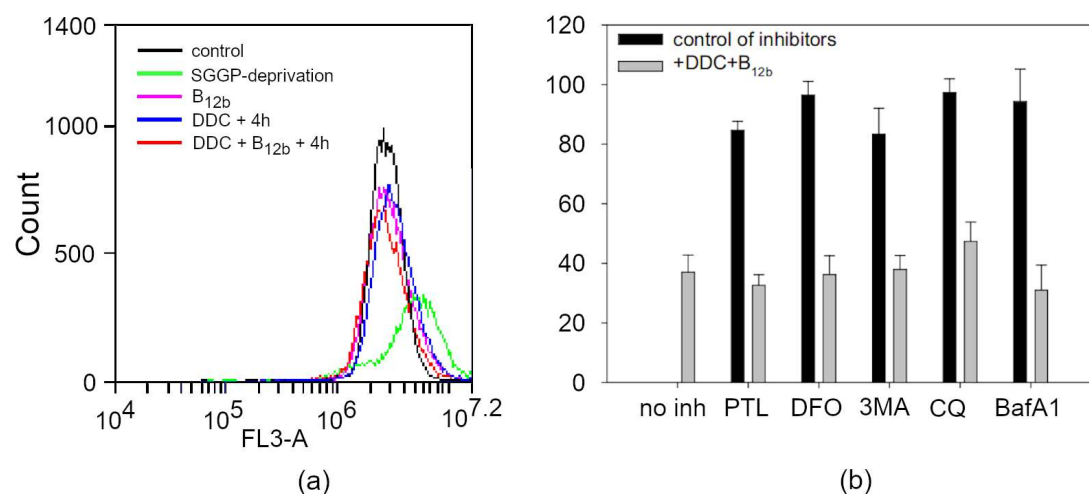


**Figure S3.** The absence of signs of apoptosis during initiation of A549 cell death by a combination of 1 mM DDC with 25  $\mu$ M B<sub>12b</sub>.

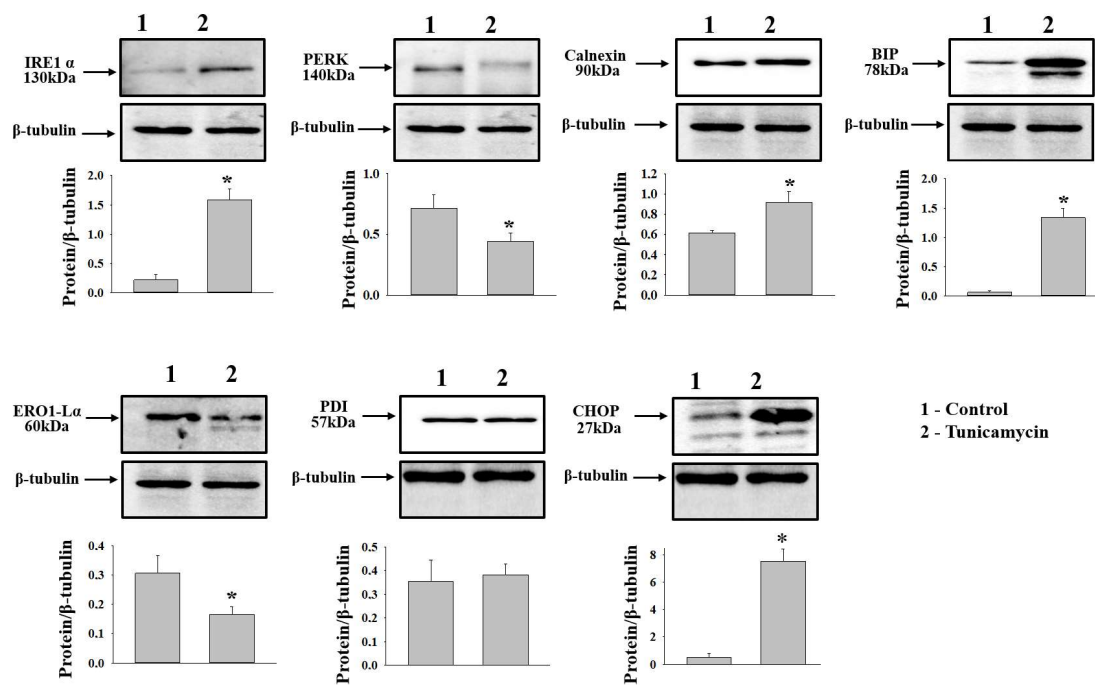




**Figure S4.** Autophagy inhibitors did not protect HEP-2 cells from vacuolization during the 6-h incubation with DDC+B<sub>12b</sub>.



**Figure S5.** Absence of the signs of autophagy and the involvement of lysosomes in the induction of death of A549 cells by the combination 1 mM DDC + 25  $\mu$ M B<sub>12b</sub>.



**Figure S6.** Immunoblot analysis of ER-stress markers in HEP-2 cells after 24-h incubation with 2  $\mu$ M tunicamycin.