

Title: Resveratrol Sensitizes AML Cells to HDAC Inhibitors via ROS-Mediated Activation of the Extrinsic Apoptotic Pathway

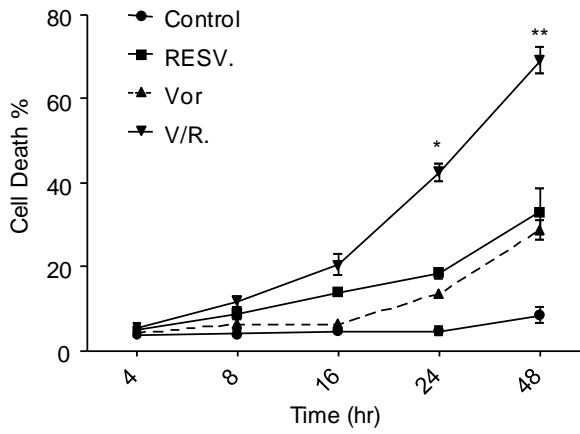
Authors: Alae Yaseen, Shuang Chen, Stefanie Hock, Roberto Rosato, Paul Dent, Yun Dai, Steven Grant

Journal Title: Molecular Pharmacology

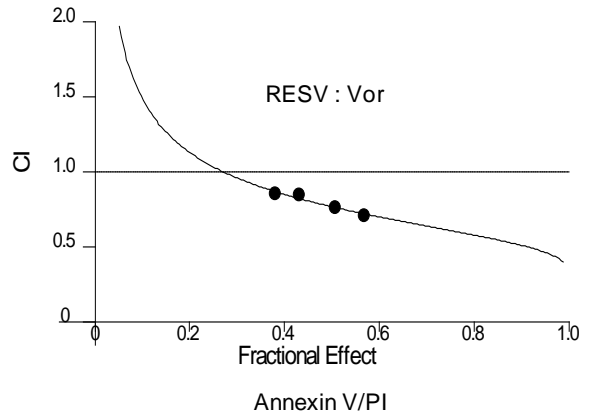
Supplemental Figure S1. *Resveratrol interacts synergistically with HDAC inhibitors in human AML cells.* U937 cells were exposed to (A) 50 μ M resveratrol +/- 1.5 μ M vorinostat for 24 hr, after which the percentage of cell death was determined by 7AAD staining and flow cytometry. Values = the means \pm S.D. for triplicate determinations performed on three separate occasions (* $P < 0.05$, ** $P < 0.01$ vs. each agent alone). (B-D) U937 were treated with LBH-589 or vorinostat +/- resveratrol at a fixed ratio for 24 hr, after which apoptosis was monitored by annexin V/PI analysis (B), or DiOC₆ uptake (reflecting loss of mitochondrial membrane potential; C and D). An additional experiment yielded equivalent results.

Supplemental Figure S1

A



B



C

