

## Zalypsis has *in vitro* activity in acute myeloid blasts and leukemic progenitor cells through the induction of a DNA damage response

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Online Supplementary Table S1. Quantitative PCR primers.

GENE	FORWARD 5' → 3'	REVERSE 5' → 3'
<i>GAPDH</i>	CAGGGCTGCTTTTAACCTCTGGTAA	GGGTGGAATCATATTGGAACATGTA
<i>GADD45B</i>	ACAGTGGGGGTGTACGAGTC	GGATGAGCGTGAAGTGGATT
<i>FUS</i>	CAGTCAACTCCCAGGGATA	TACCGTAACTTCCCGAGGTG
<i>FANCG</i>	GCAGCTGTTCTGTCTTCC	TCTCTAGGCTCCGCTGGATA
<i>MLH1</i>	CAGAGGAAGATGGTCCAAA	CAGGTTCCCTTCTCATCAA
<i>SMC4</i>	CAAATCCTATGCTGGGGAGA	GTGCTCGATAGCCAAACACA
<i>CULAA</i>	GCACTGGAGCGAGTACATCA	TTCTGGAAGCAGACCTCGAT
<i>CHEK2</i>	CAAGGCTCCTCCTCACAGTC	AAGGAGCTCAGTGTCCCAGA
<i>FANCL</i>	GTGGTAAAACCCCTGGGAAT	AGGATAGCACGAGCTGGAAA
<i>RAD51</i>	AGACGTTCCGCTTTGAAATG	GGAGTTCCTCAGCAGTCTGG
<i>BRCA1</i>	TCATGCCAGCTCATTACAGC	TAAGCCAGGCTGTTTGCTTT
<i>RAD54L</i>	TCGAGCCCTGACTTTGTCTT	CATGGCTTGTTTCATCATTGG
<i>BRCA2</i>	CAGAAGCCCTTTGAGAGTGG	TCCATCTGGGCTCCAATTAG
<i>SMC3</i>	GCGCTGAAAAAATATGGAAA	TGGGGAAGTGATCCAAGTTC
<i>BARD1</i>	CTGTTGCCAAAGCTGTTTGA	CTGGCTTGGCTTCTACTG
<i>PCNA</i>	GGCGTGAACCTCACCAGTAT	TTCTCCTGGTTTGGTCTTC
<i>ATR</i>	CTCTGGTCCAAGGGTGATGT	GCATAGCTCGACCATGGATT
<i>FANCF</i>	CCGGGCTTTTGACTTTAGTG	GGACTCAGTTCCAACCCAAA
<i>MSH6</i>	GATCGCCATTGTTGAGATT	CGGGTATCAGACCTTCCTGA
<i>TLK2</i>	CTCCATCCAGCACAGACAGA	TCTGCCGTCTCAAATCACAG

**Online Supplementary Figure S1.** Zalypsis deregulates the expression of DNA damage response genes. Quantitative PCR was performed as indicated in the *Design and Methods* section. HEL and HL60 cells were treated with zalypsis 10 nM or cultured in the absence of drug (control). Experiments were performed in duplicate and representative examples of the genes deregulated in the gene expression profile studies are shown. Normalized expression fold change was calculated using *GAPDH* as the control. Zal: Zalypsis.

