

Supplementary Materials: Synthesis, Crystal Study, and Anti-Proliferative Activity of Some 2-Benzimidazolylthioacetophenones towards Triple-Negative Breast Cancer MDA-MB-468 Cells as Apoptosis-Inducing Agents

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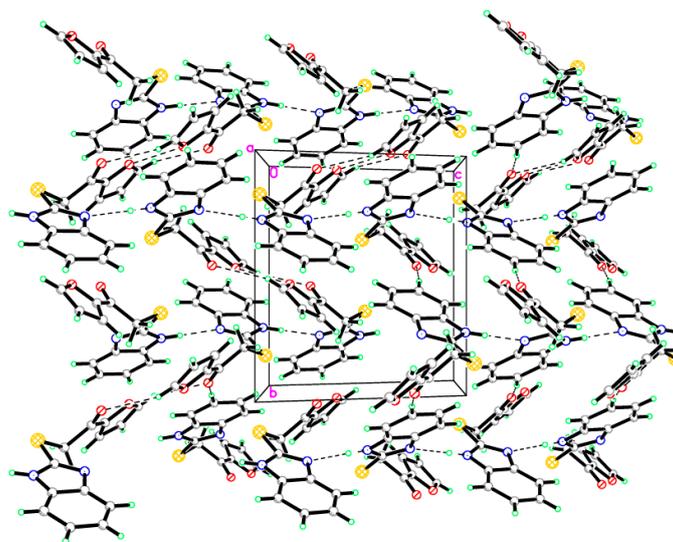


Figure S1. Molecular packing of compound 5v viewed hydrogen bonds, which are drawn as dashed lines making a network structure.

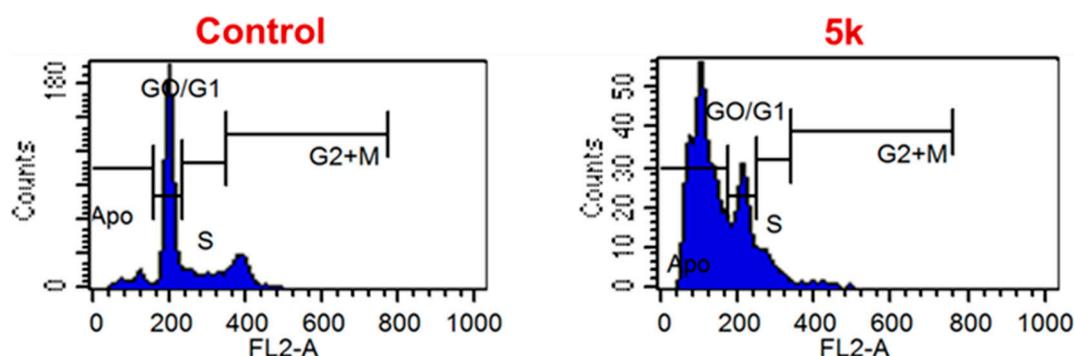


Figure S2. DNA-flow cytometry analysis for MDA-MB-468 cells treated with compound 5k for 24 h at its IC_{50} concentration. The experiment was done in triplicate.

Table S1. Hydrogen-bond geometry (\AA , $^\circ$) for compound 5v.

$D-H\cdots A$	$D-H$	$H\cdots A$	$D\cdots A$	$D-H\cdots A$
$N2-H2B\cdots N1^i$	0.8800	2.0000	2.867 (5)	169.00
$C3-H3A\cdots O2^{ii}$	0.9500	2.5700	3.359 (6)	141.00
$C11-H11A\cdots O2^{iii}$	0.9500	2.4700	3.411 (7)	170.00

Symmetry codes: i $x, -y + 1/2, z - 1/2$; ii $-x + 1, -y + 1, -z + 2$; iii $-x + 2, y - 1/2, -z + 3/2$.