

Supplementary Materials: Novel *N*-Substituted 2-(2-(Adamantan-1-yl)-1*H*-Indol-3-yl)-2-Oxoacetamide Derivatives: Synthesis and Biological Evaluation

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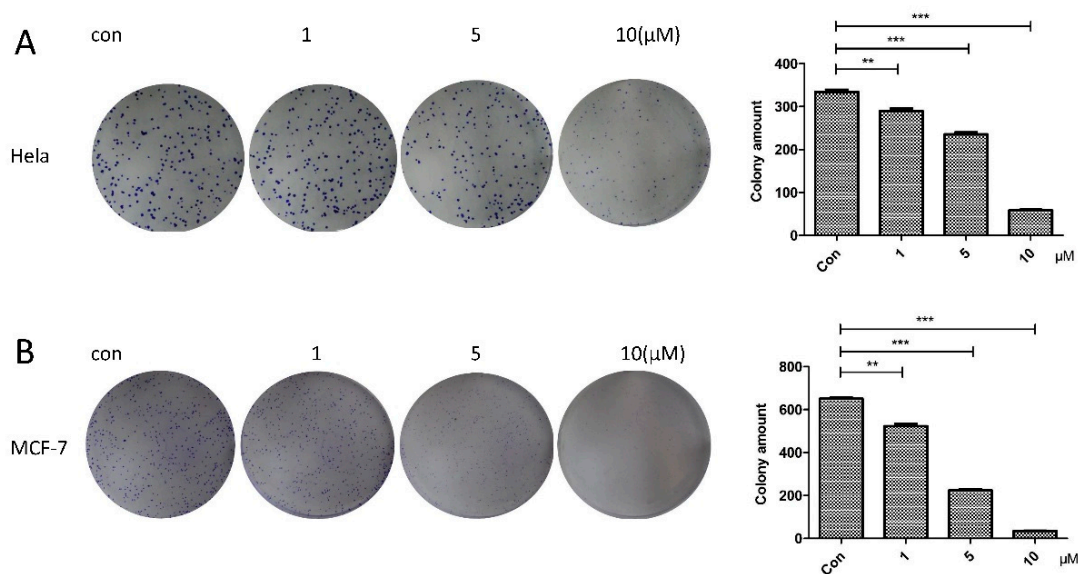


Figure S1. Effects of compound **5r** on colony-formation in HeLa (**A**) and MCF-7 (**B**) cells. Compound **5r** inhibits the colony-forming activity of HeLa and MCF-7 cells. Cells were grown in 6-well plates for 6 days and treated with compound **5r** (1, 5 and 10 μ M). Colonies of HeLa and MCF-7 cells decreased after compound **5r** treatment in a dose dependent manner (** $p < 0.01$ and *** $p < 0.001$ compared with the control, *t*-test).

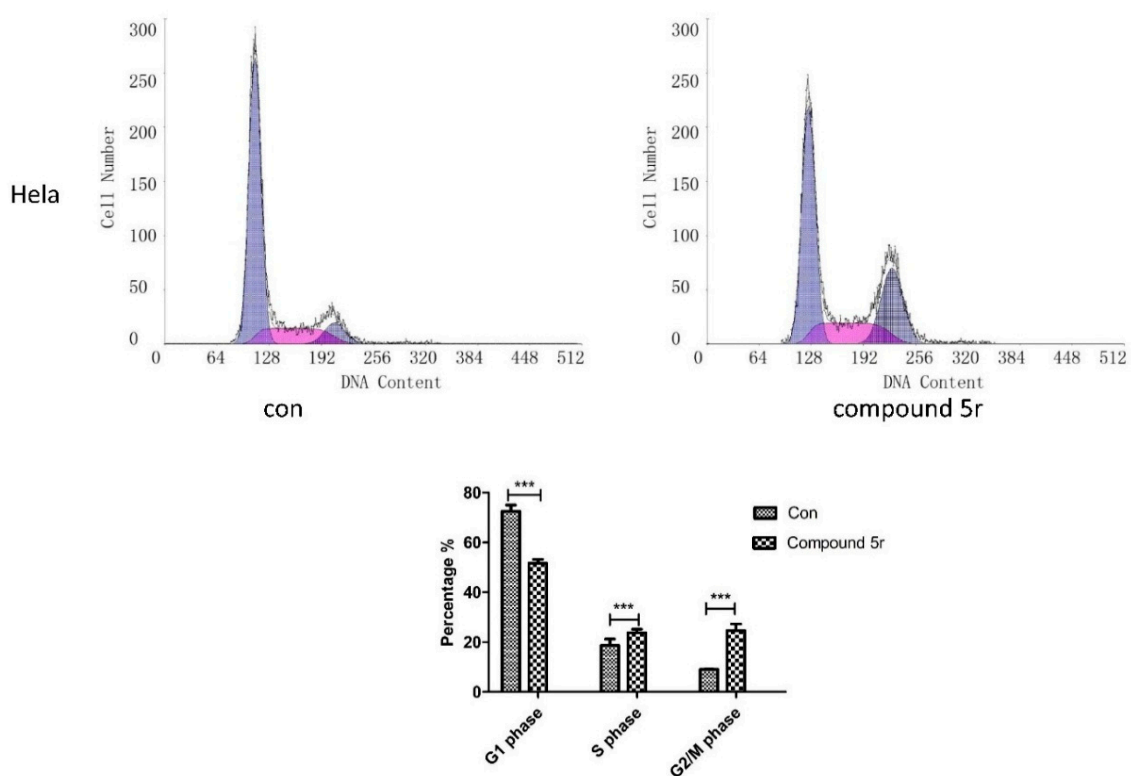


Figure S2. Effects of compound 5r on cell-cycle distribution in HeLa cells. A flow cytometry assay was performed to examine cell cycle arrest. HeLa cells were treated with 10 μ M compound 5r for 12 h. Compound 5r induced a significant accumulation of cell-cycle arrest (** $p < 0.001$ compared with the control, t -test).

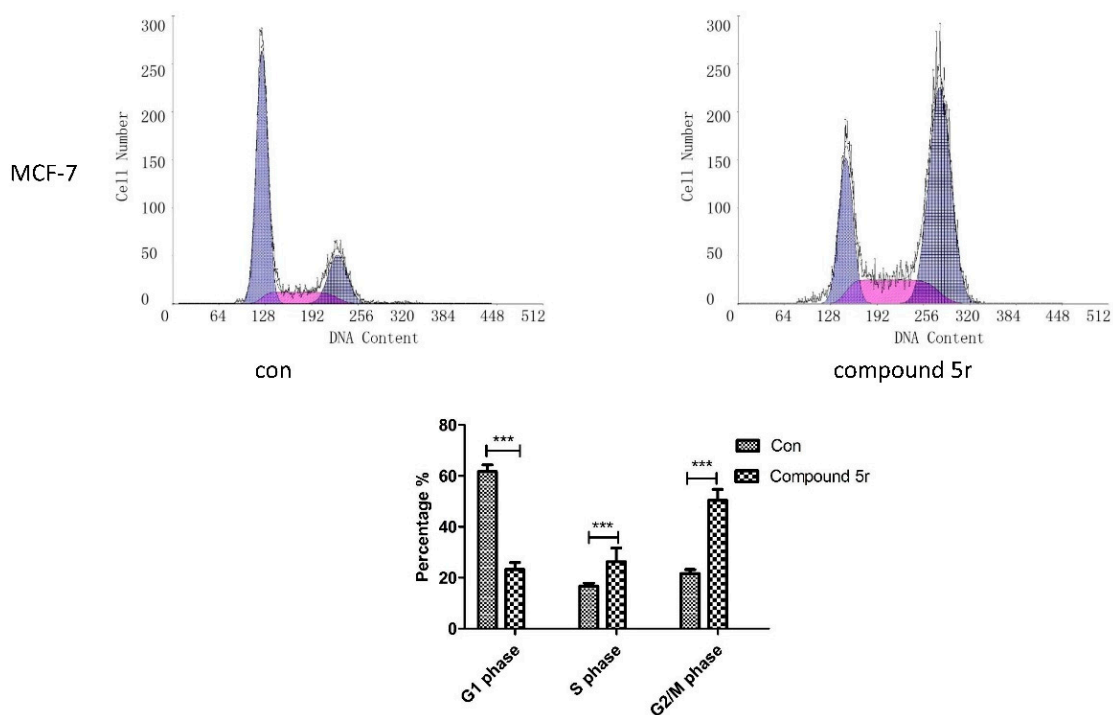


Figure S3. Effects of compound 5r on cell-cycle distribution in MCF-7 cells. A flow cytometry assay was performed to examine cell cycle arrest MCF-7 cells were treated with 10 μ M compound 5r for 12 h. Compound 5r induced a significant accumulation of cell-cycle arrest (** $p < 0.001$ compared with the control, t -test).