

## Supplementary Material

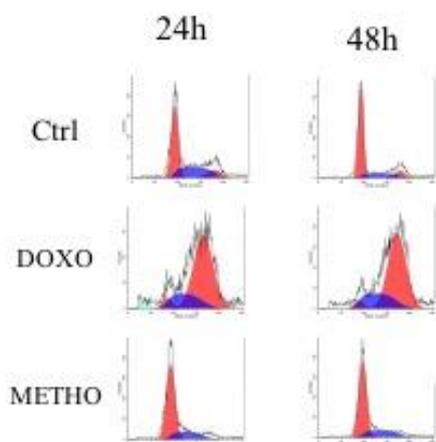
### Natural-like chalcones with antitumor activity on human MG63 osteosarcoma cells

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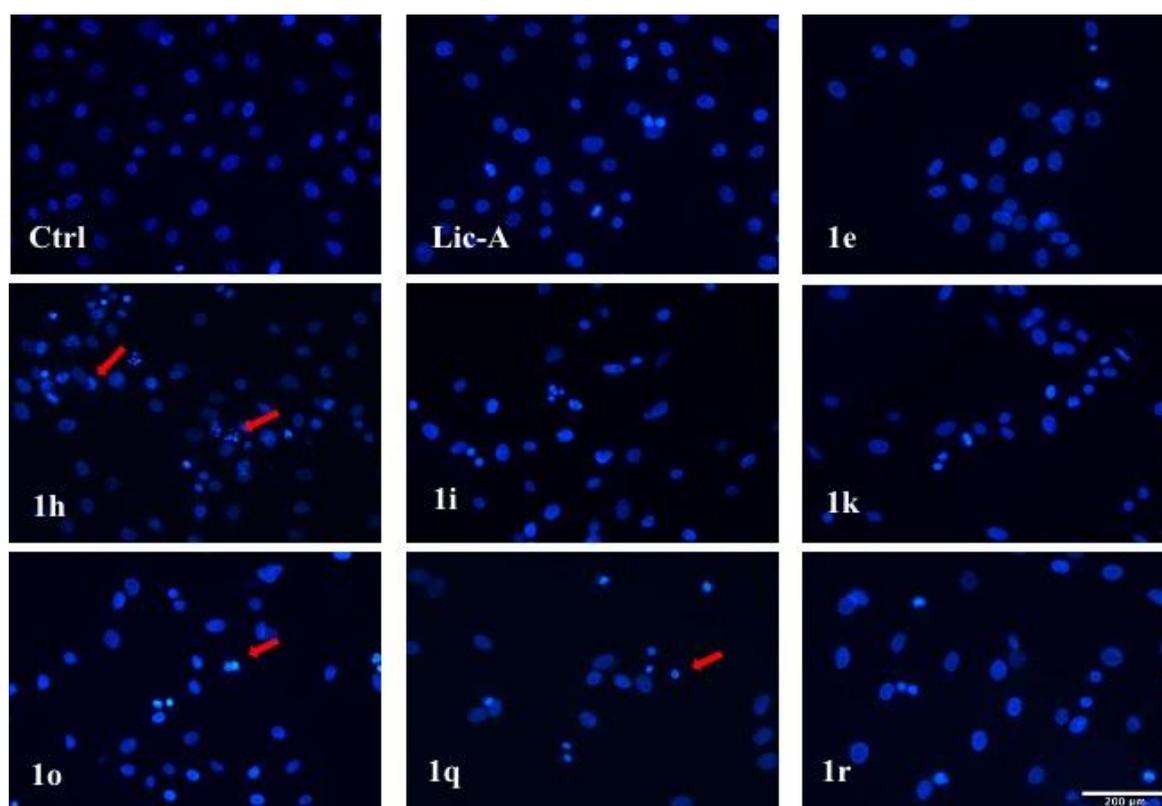
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**Figure S1. Cell cycle analysis.** Cell cycle analysis after 24 or 48 h of treatment with doxorubicin and methotrexate at 0.5 and 0.1  $\mu\text{M}$  respectively. Histograms show a representative experiment of the distribution of cell cycle phase.



**Figure S2. Effects of Lic-A analogs on cell morphology in MG63 cells.** Fluorescence microscopy of control and treated cells with  $\text{IC}_{50}$  dose for 24 h. Nuclei are stained in blue with Hoechst. The arrows indicated the fragmented and pycnotic nuclei and condensed chromatin. Scale bar 200  $\mu\text{m}$ .

# <sup>1</sup>H- and <sup>13</sup>C-NMR spectra of compounds 1g, 1i, 1k-s

