

Supplementary Material

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

Martina Rossi,¹ Concettina Cappadone,¹ Giovanna Picone,¹ Alessandra Bisi,² Giovanna Farruggia,¹
Federica Belluti,² Paolo Blasi,¹ Silvia Gobbi,² Emil Malucelli¹

Department of Pharmacy and Biotechnology, Alma Mater Studiorum-University of Bologna ¹*Via San Donato 19/2, 40127, Bologna, Italy* ²*Via Belmeloro 6, 40126, Bologna, Italy*

Contents

Figures S1 and S2	S2
¹ H- and ¹³ C-NMR spectra of compounds 1g, 1i, 1k-s	S3

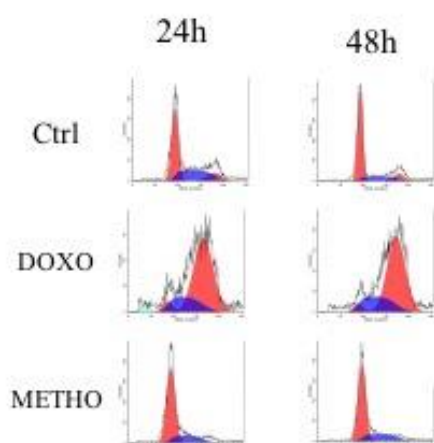


Figure S1. Cell cycle analysis. Cell cycle analysis after 24 or 48 h of treatment with doxorubicin and methotrexate at 0.5 and 0.1 μM respectively. Histograms show a representative experiment of the distribution of cell cycle phase.

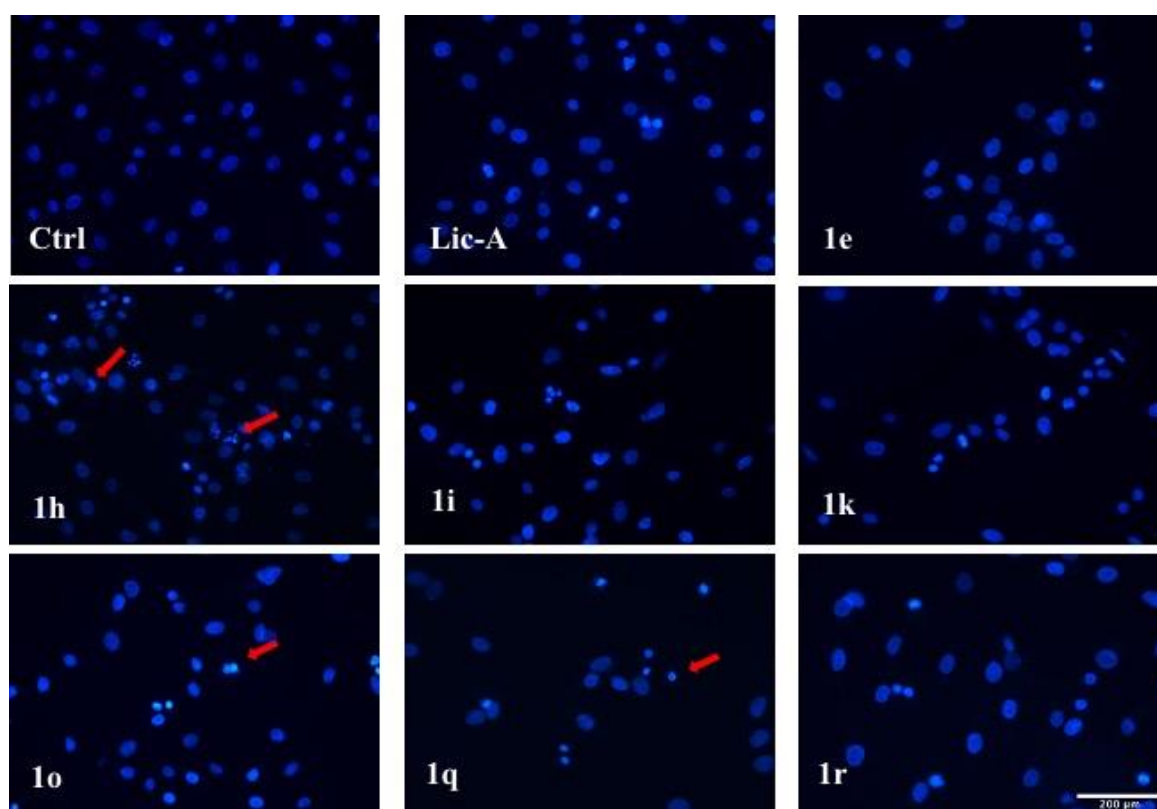


Figure S2. Effects of Lic-A analogs on cell morphology in MG63 cells. Fluorescence microscopy of control and treated cells with IC_{50} dose for 24 h. Nuclei are stained in blue with Hoechst. The arrows indicated the fragmented and pycnotic nuclei and condensed chromatin. Scale bar 200 μm .

^1H - and ^{13}C -NMR spectra of compounds 1g, 1i, 1k-s

