Materials and Methods

Preparation of the α-cyperone

α-Cyperone was isolated from the Cyperi Rhizoma and identified by silica gel column chromatography, high-performance liquid chromatography (HPLC), and nuclear magnetic resonance (NMR), as described in previous studies [1-4]. The chemical structure of α-cyperone was identified by spectroscopic data and specific optical rotation and by comparison with published data.

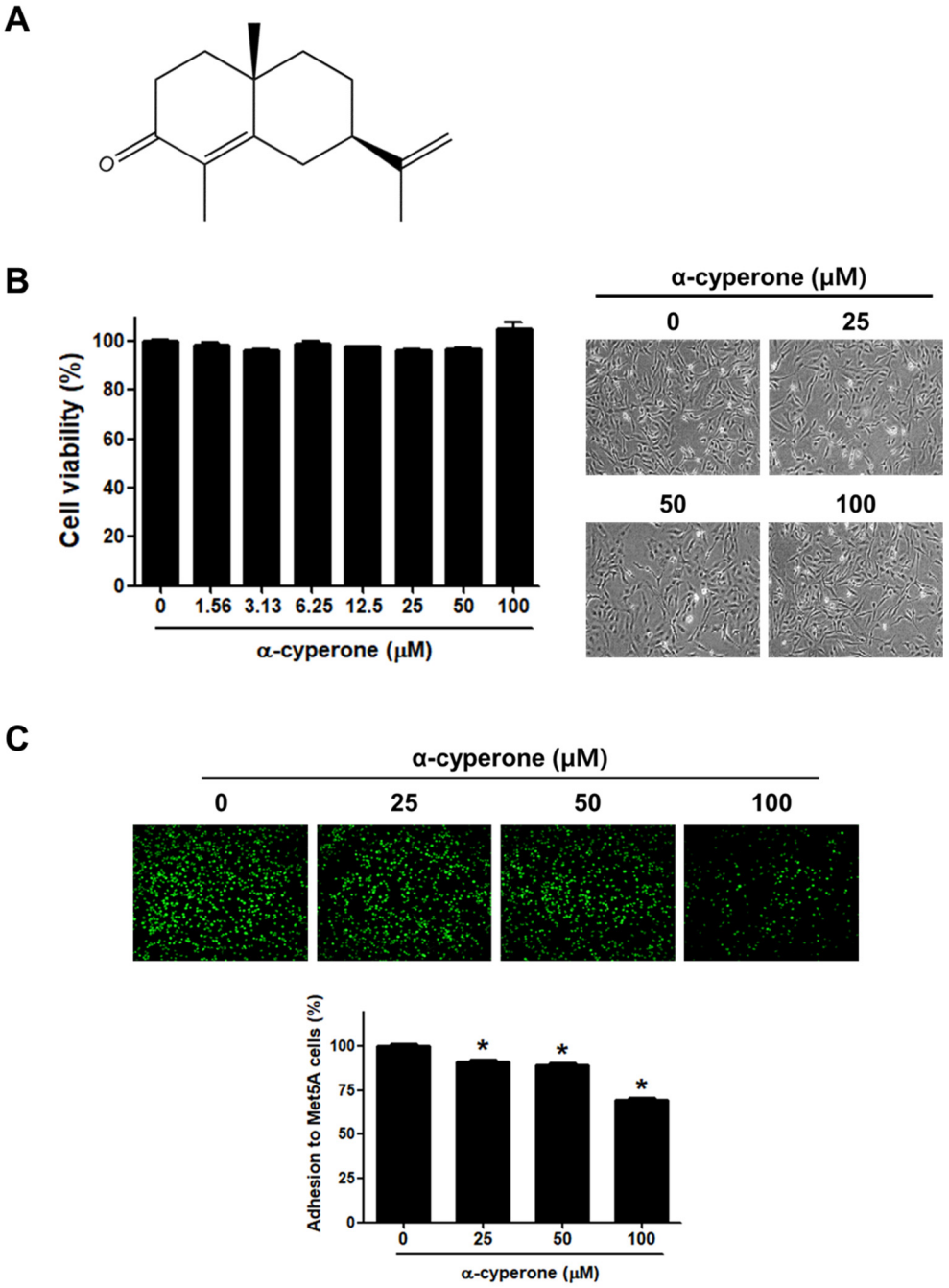

Figure S1. Effect of α-cyperone on endometriotic cell adhesion to mesothelial cells. (**A**) Structure of α-cyperone. The chemical structure of α-cyperone was identified by spectroscopic data and specific optical rotation and by comparison with published data. (**B**) Cell viability was determined by MTT assay. Representative images show the cell morphology of 12Z cells treated with α-cyperone at indicated concentration (25, 50, and 100 μM) for 24 h. (**C**) Human endometriotic cells (12Z) were treated with α-cyperone at indicated concentration (25, 50, and 100 μM) for 24 h. The 12Z cells labelled with CellTrackerTM (10 μM) were cultured on Met5A cell layers in 96-well plate for 1h. The total fluorescence in each well was measured by fluorescence microphotography. Results are the combined data (mean ± S.D.) from three independent experiments. *$P < 0.05$ compared with control group.

References

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