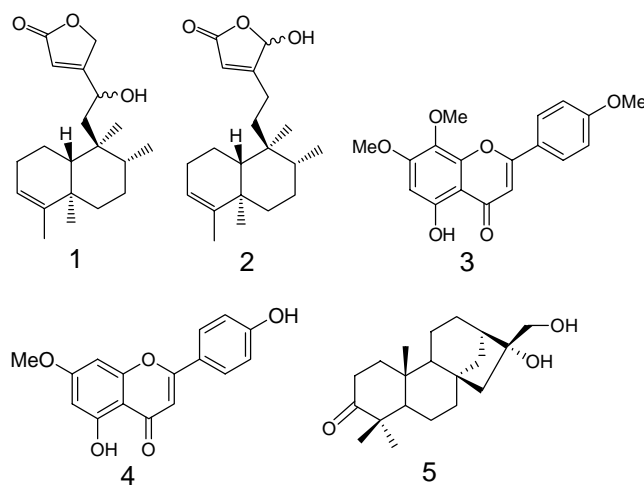


# INVESTIGATION OF POTENTIAL ANTICANCER AGENTS FROM *CALLICARPA AMERICANA*, COLLECTED FROM A FOREST PLOT IN SOUTHERN FLORIDA

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As part of an ongoing search for novel anticancer agents from plants, a sample of the CHCl<sub>3</sub>-soluble extract of *Callicarpa americana* (leaves, twigs, and fruits), collected from an experimental plot in southern Florida, was determined to be cytotoxic in a panel of human cancer cell lines. Ongoing bioassay-guided fractionation of the CHCl<sub>3</sub>-soluble extract has led to the isolation and identification of five compounds, including a new clerodane diterpene, 12-hydroxycleroda-3,13-dien-15,16-olide (**1**) and the known compounds 16-hydroxycleroda-3,13-dien-15,16-olide (**2**), 8-methoxy genkwanin (**3**), genkwanin (**4**), and calliterpenone (**5**). The structures of these compounds were determined by analysis of spectroscopic data, including 1D and 2D NMR, IR, UV, and mass spectrometry. Compound **1** was evaluated against LNCaP, Lu1, and MCF-7 cells in the hollow fiber assay, and was found to be inactive in this antitumor model.



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