

OR-59**Triterpenes with 5-Lipoxygenase (5-LOX) and Xanthine Oxidase (XOD) Inhibitory Activity from the Stem of *Ficus Aurantiaca* Griff**

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Two compounds identified as taraxerone **1** and taraxerol **2** have been isolated from *Ficus aurantiaca*. There has been no previous report on the chemical constituents and biological activities of this plant. Compounds **1** and **2** were isolated from EA extract of the stem of *F. aurantiaca*. The structures were evaluated based on spectroscopic methods including nuclear magnetic resonance (NMR), UV, IR and mass spectrometry and comparison with the published information in the literature. The 5-lipoxygenase enzyme inhibition assay showed that compound **1** and **2** have 5-LOX inhibitory activity with IC₅₀ of 21.67 ± 6.52 (µg/mL) and 23.07 ± 7.30 (µg/mL) respectively. On the other hand compound **1** and **2** exhibited significant XOD inhibitory activity with IC₅₀ of 8.72±1.79 (µg/mL) and 12.87±5.10 (µg/mL) respectively.

Keywords: *F. aurantiaca*, Moraceae, Isolation, 5-lipoxygenase, Xanthine oxidase.
