

Title of Article: Oxyphyllones A and B- novel sesquiterpenes with an unusual 4,5-secoeudesmane skeleton from Alpinia oxyphylla

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Abstract

Two novel 4,5-secoeudesmane sesquiterpenoids, oxyphyllones A (**1**) and B (**2**) were isolated from the fruits of *Alpinia oxyphylla*. Their structures were established by spectroscopic methods including 1D and 2D NMR spectra. These two compounds are the first example of naturally occurring sesquiterpenoids with a 4,5-secoeudesmane skeleton in the family of Zingiberaceae and oxyphyllone A (**1**) is the first 4,5-secoeudesmane type of 13-norsesquiterpenoid. Compounds **1** and **2** exhibited no cytotoxicities against three cancer cell lines at 10 µg/mL