Chemical Survey for the Galloyl Flavonoids Exerting Protective Effects against Various Oxidative Skin **Injuries**

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Potent inhibitory activity of the leaves of Myrica rubra against both chemical and enzymatic (tyrosinase and lipoxygenase) oxidations was found in this project. Constituent analysis of the most active ethyl acetate-soluble part of the methanol extract of the leaves clarified the structures of eight major compounds. The tyrosinase and lipoxygenase inhibitory activities and DPPH radical scavenging activity of the isolated compounds were measured as indication of inhibition capacity for the enzymatic and chemical oxidation related to skin injury. The obtained data revealed that enhanced chemical and enzymatic antioxidant activities of the constituents mainly depended on the galloyl group on the compounds.