

## 천연물로부터 유래한 천연 항산화제 규명

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### Evaluation of Anti-Oxidant from Natural Products

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Abstract - In this study, we analyzed 80%MeOH extract of fruits of *sorbaria sorbifolia* var. *stellipila* MAX. to measure the total antioxidant capacity by oxygen radical absorbance capacity (ORAC) assay, individual flavonoid content by high-performance liquid chromatography (HPLC). *n*-Hexane (1.02±0.036), CH<sub>2</sub>Cl<sub>2</sub> (0.95±0.025), EtOAc (1.94±0.065), *n*-BuOH (1.98±0.054), D.W. (1.2±0.032) fractions were examined antioxidative activity by ORAC assay. It was revealed that EtOAc(1.94±0.065), *n*-BuOH(1.98±0.054) fractions had significant antioxidative activity. The isolation and separation were facilitated using open column chromatography, while separation, purification and identification were accomplished by using high-performance liquid chromatography (HPLC) and nuclear magnetic resonance (NMR).

**Key words** : ORAC assay, Isolation, Flavonoid, HPLC, NMR