

■ 연구 논문 발표 실적 (2017-현재, 교신저자 논문만 발췌)

Daphnodorin C isolated from the stems of *Daphne kiusiana* Miquel attenuates airway inflammation in a mouse model of chronic obstructive pulmonary disease *Phytomedicine* **96** (2022) 153848.

Polyacetylene (9Z,16S)-16-hydroxy-9,17-octadecadiene-12,14-diynoic acid in *Dendropanax morbifera* leaves *Food Bioscience* **40** (2021) 100878.

Vernicia fordii (Hemsl.) Airy Shaw extract stimulates insulin secretion in pancreatic β -cells and improves insulin sensitivity in diabetic mice *J. Ethnopharmacol.* **278** (2021) 114238.

A combination of *Olea europaea* leaf extract and *Spirodela polyrhiza* extract alleviates atopic dermatitis by modulating immune balance and skin barrier function in a 1-chloro-2,4-dinitrobenzene-induced murine model *Phytomedicine* **82** (2021) 153407.

Characterization of compounds and quantitative analysis of oleuropein in commercial olive leaf extracts *J. Appl. Biol. Chem.* **64** (2021) 113-119.

Biflavonoid-rich fraction from *Daphne pseudomezereum* var. *koreana* Hamaya exerts anti-inflammatory effect in an experimental animal model of allergic asthma *J. Ethnopharmacol.* **265** (2021) 113386.

Longifolioside A inhibits TLR4-mediated inflammatory responses by blocking PKC δ activation in LPS-stimulated THP-1 macrophages *Cytokine* **131** (2020) 155116.

Pistacia weinmannifolia root exerts a protective role in ovalbumin-induced lung inflammation in a mouse allergic asthma model *Int. J. Mol. Med.* DOI:10.3892/ijmm.2019.4367.

Anti-inflammatory flavonoids from root bark of *Broussonetia papyrifera* in LPS-stimulated RAW264.7 cells *Bioorg. Chem.* **92** (2019) 103233.

Analysis of polyphenolic metabolites from *Artemisia gmelinii* Weber ex Stechm. and regional comparison in Korea *J. Appl. Biol. Chem.* **62** (2019) 433-439.

Comparison of flavonoid and policosanol profiles in Korean winter-spinach (*Spinacia oleracea* L.) cultivated in different regions *Food Chem.* **279** (2019) 202-208.

Rapid securing of reference substances from *Peucedanum japonicum* Thunberg by recycling preparative high-performance liquid chromatography *J. Chromatogr. B* **1133** (2019) 121835.

Pistacia weinmannifolia ameliorates cigarette smoke and lipopolysaccharide-induced pulmonary inflammation by inhibiting interleukin-8 production and NF- κ B activation *Int. J. Mol. Med.* DOI:10.3892/ijmm.2019.4247.

Piscroside C inhibits TNF- α /NF- κ B pathway by the suppression of PKC δ activity for TNF-RSC formation in human airway epithelial cells *Phytomedicine* **40** (2018) 148-157.

Evaluation of phytochemicals in *Agastache rugosa* (Fisch. & C.A.Mey.) Kuntze at different growth stages by UPLC-QTof-MS *Ind. Crop. Prod.* **112** (2018) 608-616.



Lignans Isolated From Flower Buds of *Magnolia fargesii* Attenuate Airway Inflammation Induced by Cigarette Smoke *in vitro* and *in vivo* *Front. Pharmacol.* 2018 DOI:10.3389/fphar.2018.00970.

Anti-inflammatory effect of stem bark of *Paulownia tomentosa* Steud. in lipopolysaccharide (LPS)-stimulated RAW264.7 macrophages and LPS induced murine model of acute lung injury *J. Ethnopharmacol.* **210** (2018) 23-30.

Analysis of Active Metabolites of *Sophora flavescens* for Indoleamine 2,3-dioxygenase and Monoamine Oxidases using Ultra-Performance Liquid Chromatography-Quadrupole time-of-Flight Mass Spectrometry *Nat. Prod. Comm.* **13** (2018) 1649-1653.

3-Methoxy-catalposide inhibits inflammatory effects in lipopolysaccharide-stimulated RAW264.7 macrophages *Cytokine* **91** (2017) 57-64.

Protective effects of coumestrol on lipopolysaccharide-induced acute lung injury via the inhibition of proinflammatory mediators and NF- κ B activation *J. Func. Foods* **34** (2017) 181-188.

Metabolomic Profiling, Antioxidant and Anti-inflammatory Activities of Hypericum Species Growing in South Korea *Nat. Prod. Comm.* **12** (2017) 1041-1044.

Comparison of secondary metabolite changes in *Camellia sinensis* leaves depending on the growth stage *Food Control* **73** (2017) 916-921.

Potential Anti-inflammatory Effects of the Fruits of *Paulownia tomentosa* *J. Nat. Prod.* **80** (2017) 2659-2665.

Protective effect of polyacetylene from *Dendropanax morbifera* Leveille leaves on pulmonary inflammation induced by cigarette smoke and lipopolysaccharide *J. Func. Foods* **32** (2017) 358-366.