

Search and functional analysis of natural plant components that improve skin aging

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Skin aging is one of the important problems in the cosmetics field that is difficult to control or improve. In recent years, it has become clear that the functional deterioration due to skin aging is due to the SASP factor secreted by aging cells. Therefore, we decided to search for a plant extract that specifically removes senescent cells in the skin by means of senolysis. In this study, we screened the senolytic effect of many plant extracts. Among them, we focused on the ginger extract and performed a detailed analysis, but unfortunately, we could not clarify the selective activity of senescent cells. However, it was suggested that the combination of some flavonoids and the anticancer drug dasatinib has a senolytic effect. In the future, we would like to further search for the remaining plant extracts and contribute to the development of cosmetics that are useful for improving skin aging.