Effects of Red Perilla Extract on Symptoms of Pollinosis

(Received August 31, 1998)
(Accepted October 16, 1998)

Koichi Tamura, Hironori Tomi

Food Development Laboratories, Nippon Shinyaku Co., Ltd.

Key Words: red perilla extract, pollinosis, anti-allergic effects, human monitor test

Abstract

It has been reported that some kinds of perilla extracts had anti-allergic activities. During the investigation of in vitro anti-allergic activity, it was found that red perilla extract had efficient activity.

A water soluble red perilla extract was prepared. And existence of caffeic acid, rosmaric acid and luteorin which have been reported to have anti-allergic activity was confirmed in the extract. It was also found that the red perilla extract had strong SOD-like activity and inhibitory activity for hyaluronidase.

Tablets containing the red perilla extract were prepared and given for the person having symptoms of pollinosis. Effects of red perilla extract on the symptoms of pollinosis were examined comparing that of Rubus suavissimus extract. The results suggested that red perilla extract has more efficient effects for relieving the symptoms of sneezing, of rhinoclesis and of rhinorrhea than Rubus suavissimus extract. No side effect was reported.

Corresponding author:

Hironori Tomi, Food Development Laboratories, Nippon Shinyaku Co., Ltd.
Kisshoin nishinosho monguchicho 14, Minami-ku, Kyoto city, Kyoto 610-8550, Japan