

The Anti-Allergic Activity of Prasaprophyai Preparation Extract after Accelerated Stability Testing

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Abstract : Prasaprophyai, a Thai traditional medicine preparation listed in the Thai National List of Essential Medicines, is commonly used for treatment of fever and colds. Prasaprophyai preparation consists of 21 different plants, with Kaempferia galanga (50% w/w) as the main ingredient. The objective of this study was to investigate the anti-allergic activity of the crude extract from Prasaprophyai after accelerated stability test procedure. The method of extract used maceration in 95% ethanol and the crude extract was kept under accelerated condition at 40 ± 2 °C and $75 \pm 5\%$ relative humidity (RH) for six months. After six months of storage at 40 °C, the crude sample in various storage times (0, 15, 30, 45, 60, 90, 120, 150 and 180 days) were investigated for anti-allergic activity using IgE-sensitized RBL-2H3 cell lines. The results showed that the stability of crude ethanolic extract from Prasaprophyai under accelerated testing had no significant effect of anti-allergic activity when compared with day 0. The results showed that the ethanolic extract could be stored for two years at room temperature without loss of activity.

Keywords : accelerated stability, anti-allergy, prasaprophyai, RBL-2H3 cell lines

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