

Immunostimulant activity and toxicity study of dried powder of *Scaphium scaphigerum* (G. Don) Guib. & Planch in rats. (Poster)

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Introduction

Jelly nut (*Scaphium scaphigerum* (G. Don) Guib & Planch) is a native plant of Thailand. It is worth to introduce for cultivation, because it is good price in local and international market. It possesses biological activities and low toxicity.

Objective

To evaluate immunostimulant activity and toxicity of dried powder of *Scaphium scaphigerum* (G. Don) Guib & Planch in animal model.

Method

The immunostimulant activity of jelly nut was conducted in male rats by evaluating the haemagglutinating antibody (HA) titers as parameter of humoral immunity. Acute toxicity was performed in rats at dose 5,000 mg/kg body weight.

Results

HA increased in the rats, compared with control group. The LD₅₀ (oral) in rats was more than 5,000 mg/kg body weight.

Conclusion

It showed that *Scaphium scaphigerum* (G. Don) Guib & Planch envisaged safe to be used as an immunostimulating agent.

Keywords: Immunostimulant; Haemagglutinating; *Scaphium scaphigerum* ; Native tree of Thailand

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