

## Sprague-Dawley rats에서 감초 신품종 추출물의 단회투여 독성 평가

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### Assessment of the Single Oral dose Toxicity of *Glycyrrhiza* New Variety Extract in Sprague-Dawley Rats

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*Glycyrrhiza* species (Licorice) are one of the most commonly used medicinal plants in Asian countries such as China, India and Korea. It has been traditionally used to treat many disease including cough, cold, asthma, fatigue, gastritis and respiratory tract infections. *Glycyrrhiza* new variety, Wongam (WG), have been developed by Korea Rural Development Administration and revealed several pharmacological effects. However, limited data are available on the potential adverse effects of the WG. Here, we evaluated the general toxicity of the WG extract through single oral dose toxicity study in Sprague-Dawley rats. After single oral dose administration, there was no mortality up to 5000 mg/kg during experiment period. In addition, there was no clinical signs including body weight change, gross findings and necropsy findings up to 5000 mg/kg during experiment period. To conclude, the no-observed-adverse-effect level (NOAEL) of WG was higher than 5000 mg/kg and no target organs were identified in male and female Sprague-Dawley rats.

**Key words:** *Glycyrrhiza*, Wongam, Single oral dose toxicity study

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