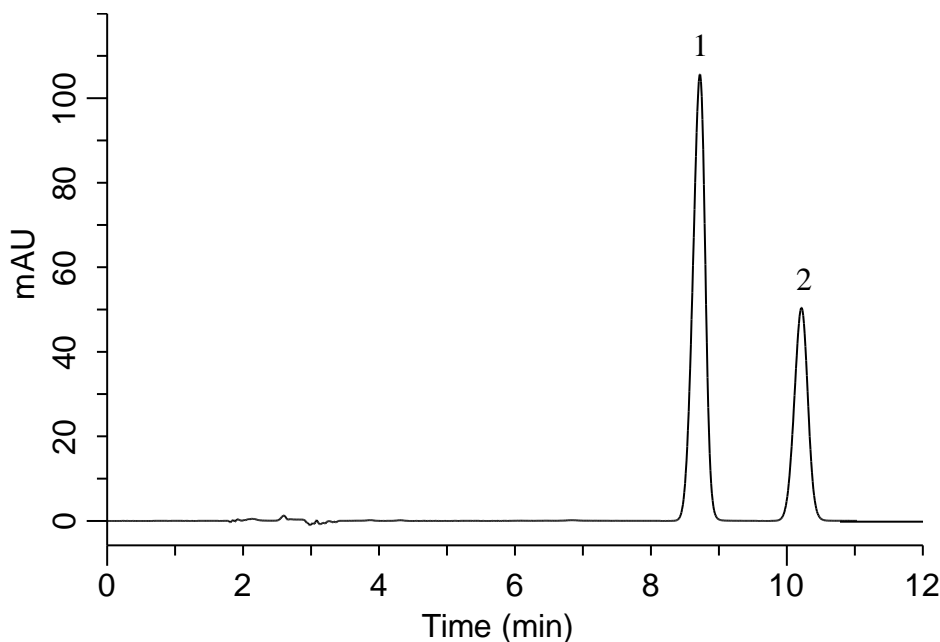


## Analysis of Glycyrrhetic acid

(Under the Condition of the Japanese Standards of Quasi-drug Ingredients,  
Monoammonium  $\alpha$ -Glycyrrhizinate)

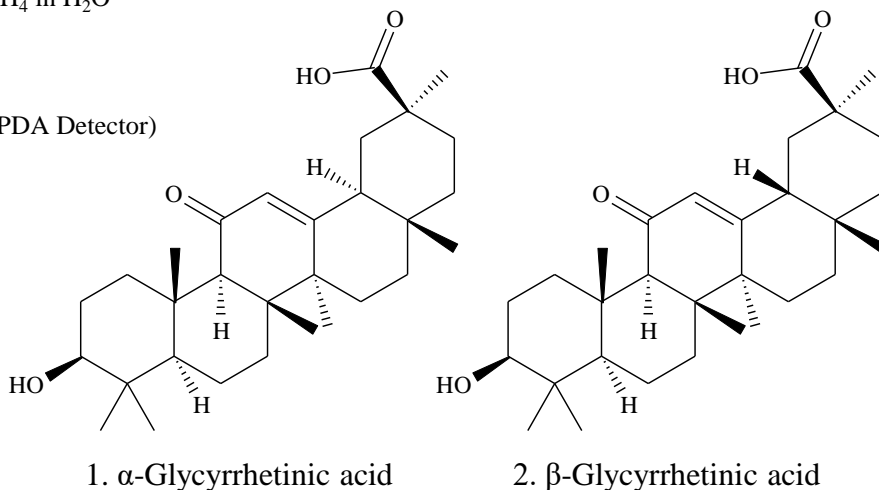


### Conditions

**System** : GL7700 HPLC system  
**Column** : InertSustain C18  
 (5  $\mu$  m, 250 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-07346  
**Eluent** : A) CH<sub>3</sub>CN  
 B) 15 mM CH<sub>3</sub>COONH<sub>4</sub> in H<sub>2</sub>O  
 A/B = 55/45, v/v  
**Flow Rate** : 1.0 mL/min  
**Col. Temp.** : 40 °C  
**Detection** : UV 250 nm (PD7752 PDA Detector)  
**Injection Vol.** : 20  $\mu$  L  
**Sample** : Standard

### Analyte:

1.  $\alpha$ -Glycyrrhetic acid 40 mg/L  
 2.  $\beta$ -Glycyrrhetic acid 20 mg/L



## Analysis of Glycyrrhetic acid

(Under the Condition of the Japanese Standards of Quasi-drug Ingredients, Monoammonium  $\alpha$ -Glycyrrhizinate)

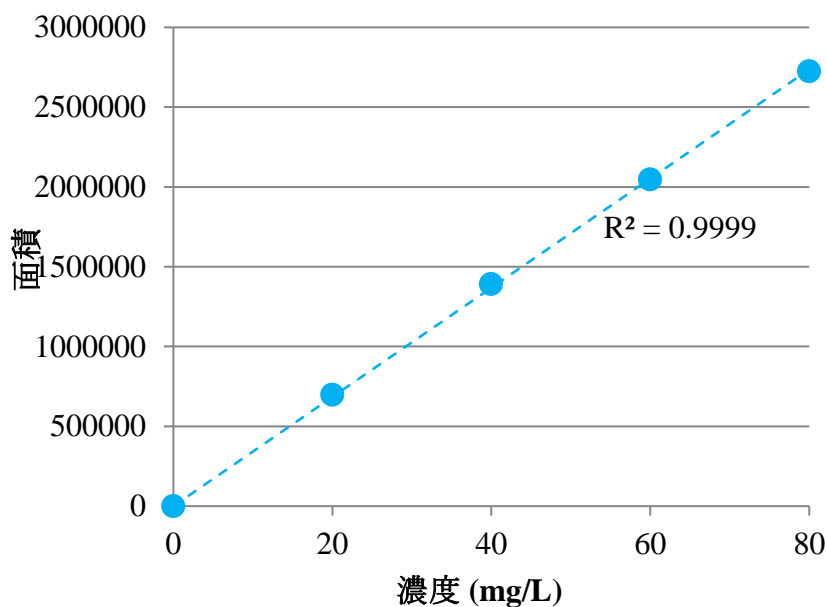


Fig.1 Calibration curve of  $\alpha$ -Glycyrrhetic acid

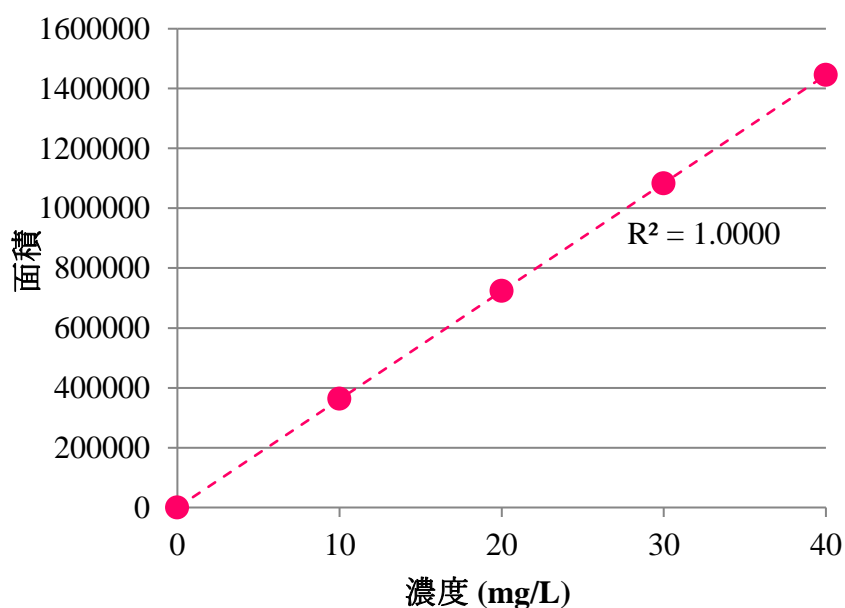


Fig.2 Calibration curve of  $\beta$ -Glycyrrhetic acid