

# Yiganning Granules (*Yiganning Keli*) – 乙肝宁颗粒

## Sample source

Commercially available Yiganning Granules

## Chemical reference substances

Astragaloside IV (National Institute for the Control of Pharmaceutical and Biological Products, Batch number: 0781-9807)

## Preparation of test solution

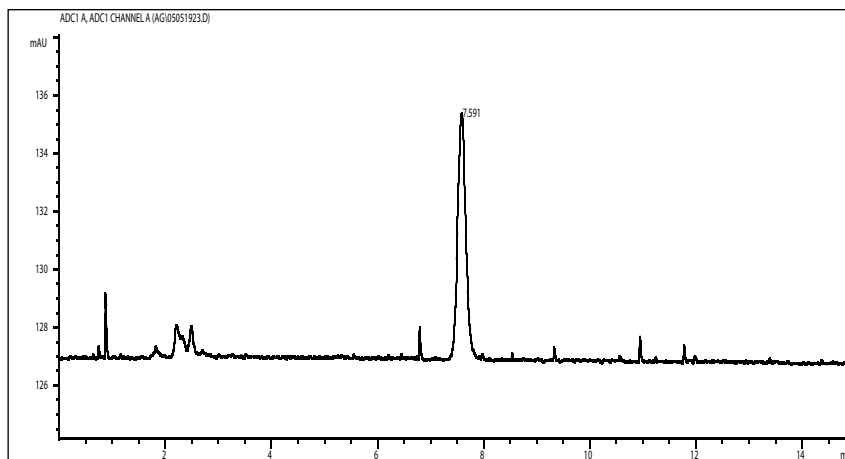
Grind the granules to a fine powder, accurately weigh 5 g and dissolve in 20 mL of water. Extract with four 20 mL quantities of n-butanol saturated with water, combine the n-butanol extracts, wash with two 20 mL quantities of ammonia TS, and wash again with two 20 mL quantities of water saturated with n-butanol. Separate the n-butanol layer, evaporate to dryness, dissolve the residue in a quantity of methanol, transfer to a 5 mL volumetric flask, dilute to volume with methanol. Mix well, filter, and use the filtrate as the solution.

## Chromatographic conditions

- Column: ZORBAX Extend C18 4.6×250 mm, 5 μm (770450-902)
- Column temperature: 25 °C
- Mobile phase: acetonitrile-water (35:65)
- Evaporator tube temperature: 80 °C, Nebulizing temperature: 50 °C, Air flow rate: 1.5 mL/min
- Flow rate: 1.0 mL/min

## Chromatographic system

- Agilent 1200 Series quaternary pump with vacuum degasser
- Agilent 1200 Series high-performance autosampler
- Agilent 1200 Series thermostated column compartment
- Agilent 35900 A/D converter
- ELSD PL-ELS 1000



Components	k'	Ret Time (min)	Height (mAU)	Area (mAU*s)	n	USP T <sub>r</sub>
astragaloside IV	2.036	7.591	8.49	91.0	11966	1.06