

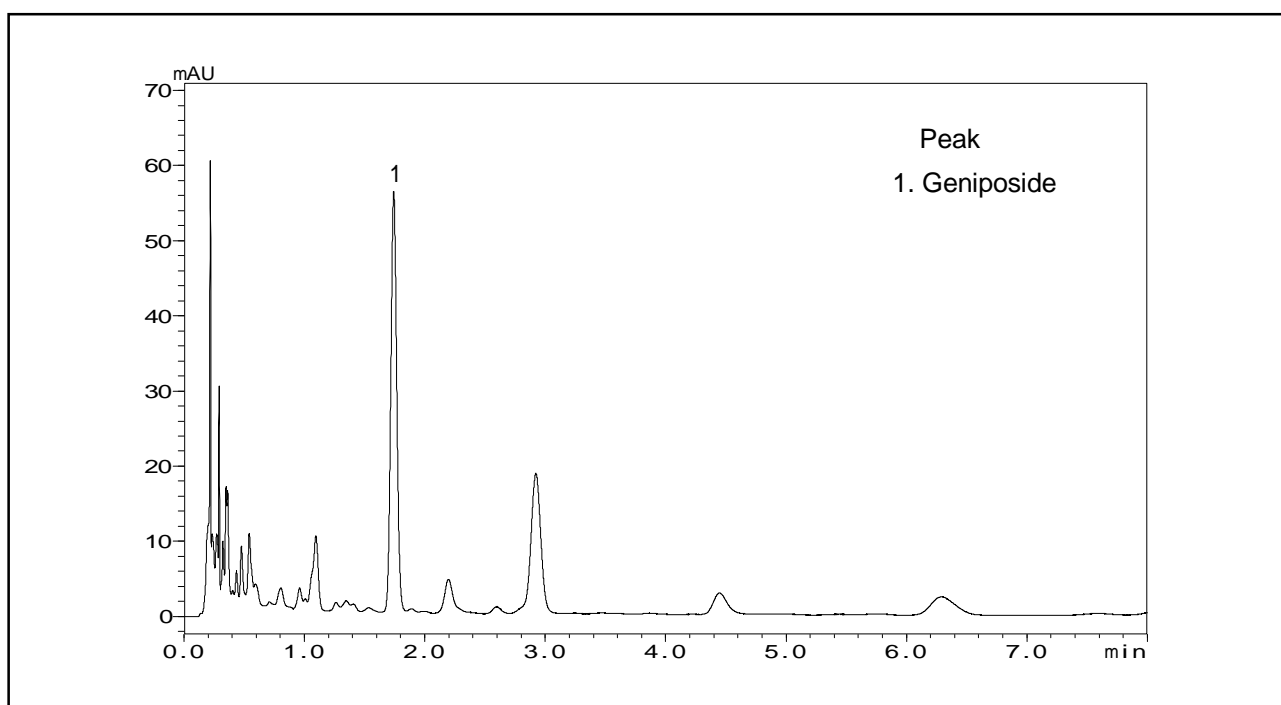
# Application Data Sheet

High Performance Liquid Chromatography

No. 39

## High-Speed Analysis of Geniposide

Here we conducted high-speed analysis of geniposide, one of the iridoid glycosides contained in the natural medicine gardenia (gardenia fruit).



### Analysis of Geniposide Found in Traditional Chinese Medicine

#### [Sample Preparation]

To produce a mixture of 10 g/L, finely powdered tablet was mixed with 50% methanol solution, and then filtered through a 0.45  $\mu\text{m}$  membrane filter.

#### Analytical Conditions

Instrument	: Prominence UFLC system
Column	: Shim-pack XR-ODS (50 mm $\times$ 3.0 mm i.d.)
Mobile Phase	: Water / Acetonitrile / phosphoric acid = 900 / 100 / 1 (v/v)
Flow Rate	: 1.2 mL/min
Column Temperature	: 35 $^{\circ}\text{C}$
Detection	: Absorbance at 240 nm with Semi-micro flow cell
Sample Volume	: 4 $\mu\text{L}$