

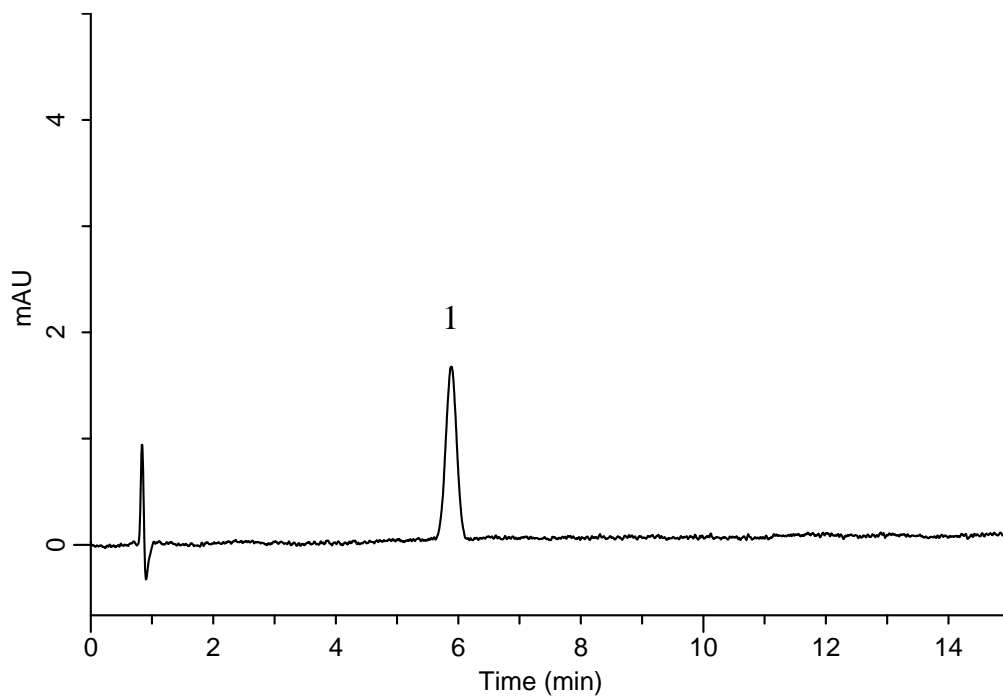
# InertSearch™ for LC

Inertsil® Applications

## Analysis of Ipriflavone

(Under the Condition of the Japanese Pharmacopoeia)

Data No. LB124-0894



### Conditions

**System** : GL-7400 HPLC system  
**Column** : InertSustain C8  
(5  $\mu$  m, 150 x 4.0 mm I.D.)  
**Column Cat. No.** : 5020-16020  
**Eluent** : A) CH<sub>3</sub>CN  
B) H<sub>2</sub>O  
A/B = 60/40, v/v  
**Flow Rate** : 1.1 mL/min  
**Col. Temp.** : 25 °C  
**Detection** : UV 280 nm (GL-7452 PDA Detector)  
**Injection Vol.** : 20  $\mu$  L  
**Sample** : Standard

### Analyte:

1. Ipriflavone 0.6 mg/L

Theoretical plates : 4,756 ( $\geq$  2,000)  
Tailing factor : 1.02 ( $\leq$  1.5)  
RSD of the  
peak area (%) (n=6) : 1.46 ( $\leq$  2.0)