

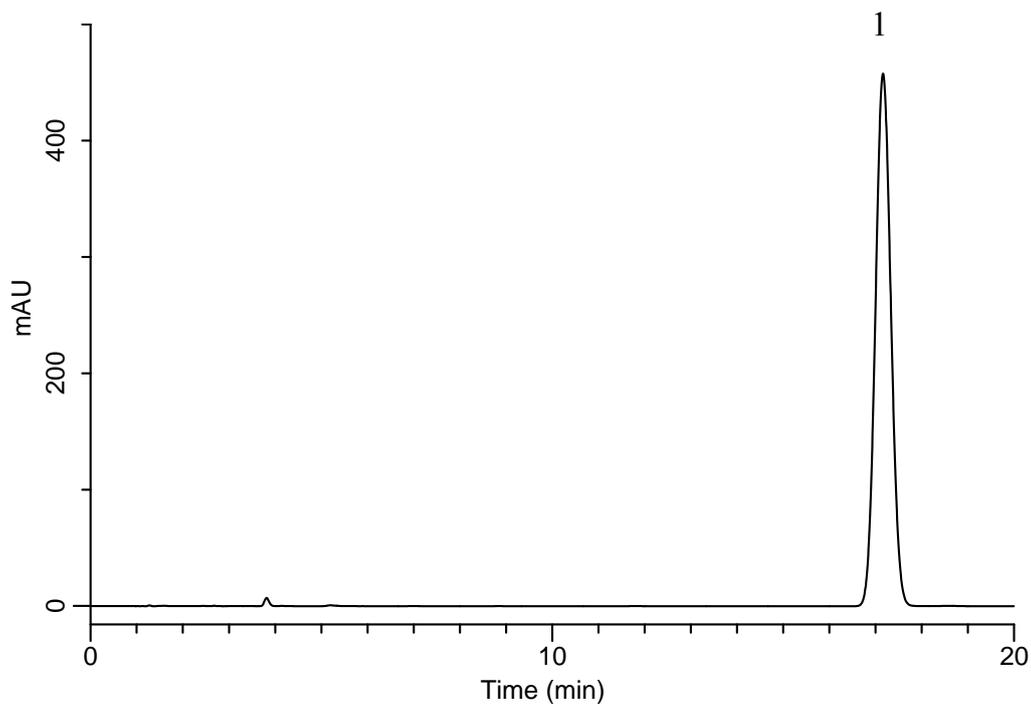
# InertSearch™ for LC

Inertsil® Applications

## Analysis of Glimepiride

(Under the Condition of Japanese Pharmacopoeia)

Data No. LB118-0894



### Conditions

**System** : GL-7400 HPLC system  
**Column** : Inertsil ODS-3  
(4 $\mu$ m, 250 x 4.0 mm I.D. )  
**Column Cat. No.** : 5020-04636  
**Eluent** : A) CH<sub>3</sub>CN  
B) 1.0 g/L NaH<sub>2</sub>PO<sub>4</sub> · 2H<sub>2</sub>O (pH 2.5, H<sub>3</sub>PO<sub>4</sub>)  
A/B = 50/50, v/v  
**Flow Rate** : 1.15 mL/min  
**Col. Temp.** : 25 °C  
**Detection** : UV 228 nm (GL-7452A PDA Detector)  
**Injection Vol.** : 20  $\mu$ L

### Analyte:

1. Glimepiride 200 mg/L

Theoretical plates : 12,254 ( $\geq$  9,000)  
Tailing factor : 1.05 ( $\leq$  1.5)  
RSD of the peak area (n=6) : 0.70 ( $\leq$  1.0)