

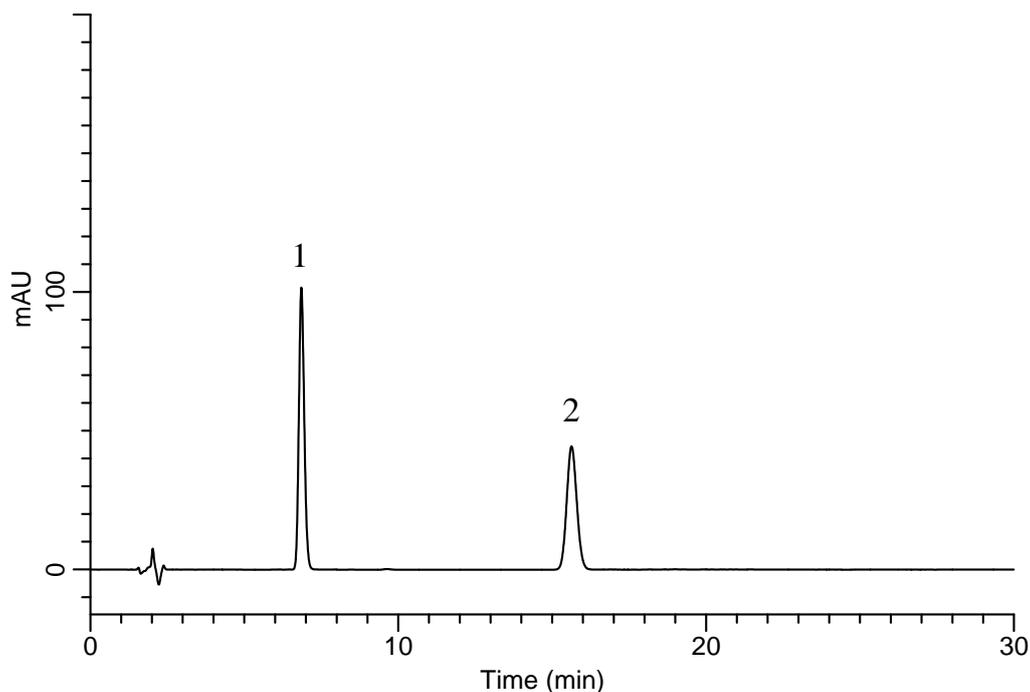
# InertSearch™ for LC

Inertsil® Applications

## Analysis of Pioglitazone hydrochloride

(Under the Condition of the Japanese Pharmacopoeia)

Data No. LB210-0894



### Conditions

**System** : GL-7400 HPLC system  
**Column** : InertSustain C18  
(5  $\mu$  m, 150 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-07345  
**Eluent** : A) CH<sub>3</sub>CN  
B) 100 mM CH<sub>3</sub>COONH<sub>4</sub>  
C) CH<sub>3</sub>COOH  
A/B/C = 25/25/1, v/v/v  
**Flow Rate** : 0.75 mL/min  
**Col. Temp.** : 25 °C  
**Detection** : UV 269 nm (GL-7452 PDA Detector)  
**Injection Vol.** : 20  $\mu$  L  
**Sample** : Standard

### Analyte:

1. Pioglitazone hydrochloride 50 mg/L  
2. Benzophenone 13 mg/L

Resolution (1, 2) : 18.9 ( $\geq 10$ )  
RSD of the peak  
area ratio of  
1 to 2 (%) (n=6) : 0.22 ( $\leq 1.0$ )