

# InertSearch™ for LC

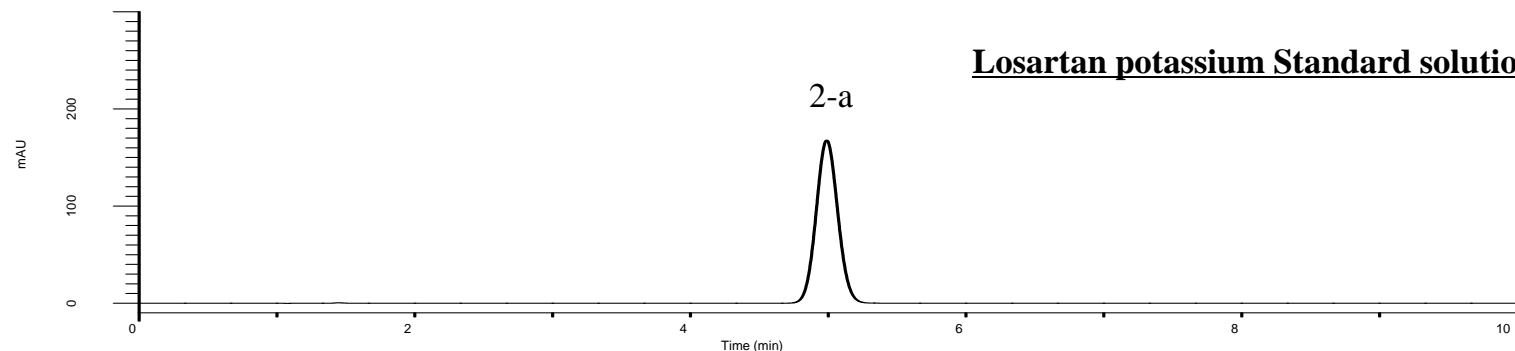
Inertsil® Applications

## Analysis of Losartan potassium and Hydrochlorothiazide

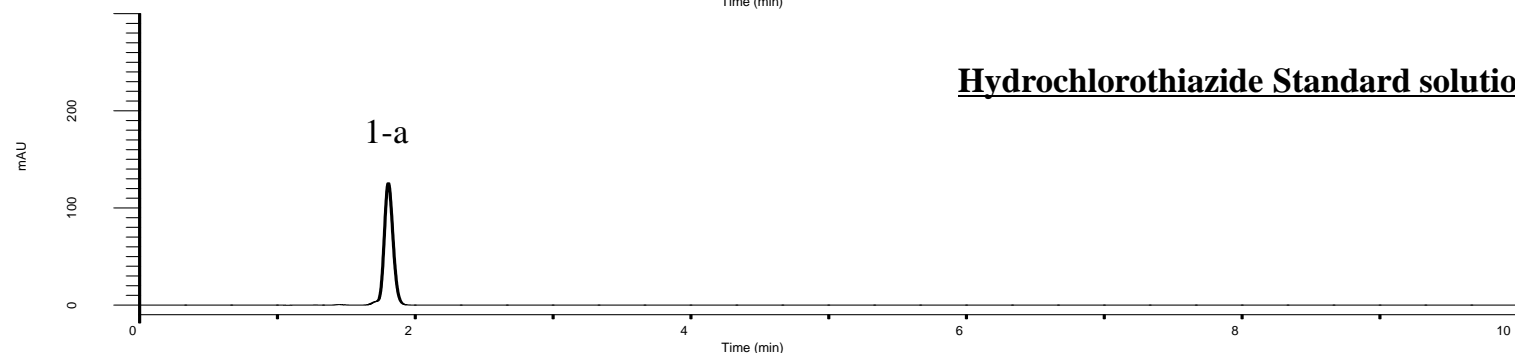
(Under the Condition of the Japanese Pharmacopoeia,  
Losartan potassium and Hydrochlorothiazide Tablets)

Data No. LB263-0894

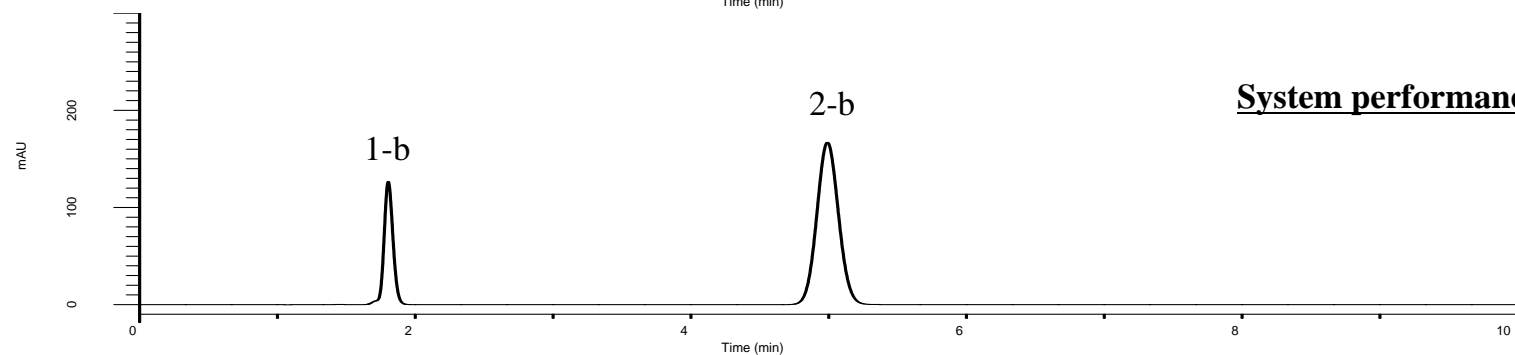
### Losartan potassium Standard solution



### Hydrochlorothiazide Standard solution



### System performance



### Conditions

**System** : GL7700 HPLC system  
**Column** : Inertsil C8-3 (10  $\mu$  m, 250 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-01642  
**Eluent** : A) CH<sub>3</sub>CN  
B) 10mM KH<sub>2</sub>PO<sub>4</sub> (pH 2.5, H<sub>3</sub>PO<sub>4</sub>)  
A/B = 40/60, v/v  
**Flow rate** : 2.25 mL/min  
**Col. Temp.** : 35 °C  
**Detection** : UV 230 nm (UV7750 UV Detecor)  
**Injection Vol.** : 20  $\mu$  L  
**Sample** : Standard

### Analyte:

1. Hydrochlorothiazide 14 mg/L  
2. Losartan potassium 55 mg/L

Resolution (1-b, 2-b) : 15.7 ( $\geq 10$ )  
RSD of the peak  
area of 1-a (%) (n=6) : 0.02 ( $\leq 1.0$ )  
RSD of the peak  
area of 2-a (%) (n=6) : 0.04 ( $\leq 1.0$ )