

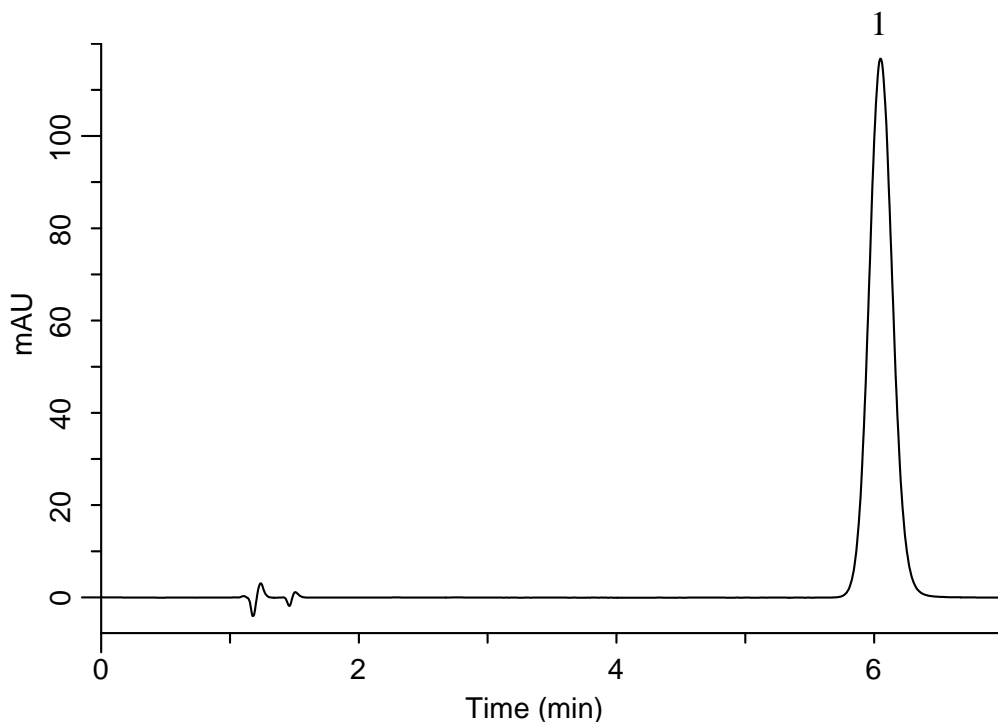
# InertSearch™ for LC

Inertsil® Applications

## Analysis of Telmisartan

(Under the Condition of the Japanese Pharmacopoeia, Telmisartan Tablets)

Data No. LB164-0919



### Conditions

**System** : GL-7400 HPLC system  
**Column** : Inertsil ODS-4  
(5  $\mu$  m, 150 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-03945  
**Eluent** : A) CH<sub>3</sub>OH  
B) 15 mM (NH<sub>4</sub>)<sub>2</sub>HPO<sub>4</sub> in H<sub>2</sub>O  
(pH 3.0, 10 % H<sub>3</sub>PO<sub>4</sub> in H<sub>2</sub>O)  
A/B = 70/30, v/v  
**Flow Rate** : 1.4 mL/min  
**Col. Temp.** : 40 °C  
**Detection** : UV 295 nm (GL-7452 PDA Detector)  
**Injection Vol.** : 10  $\mu$  L  
**Sample** : Standard

### Analyte:

1. Telmisartan 80 mg/L

Theoretical plates : 4,840 ( $\geq$  3,000)  
Tailing factor : 1.04 ( $\leq$  2.0)  
RSD of the  
peak area (n=6) : 0.21 ( $\leq$  1.0)