

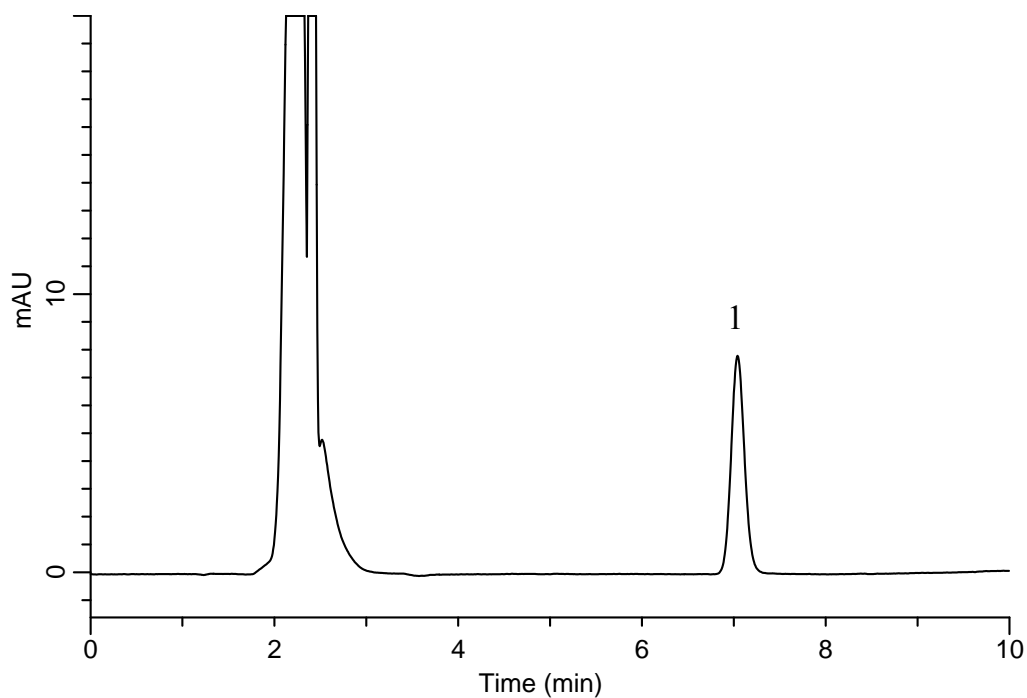
# InertSearch™ for LC

Inertsil® Applications

## Analysis of Brotizolam

(Under the Condition of the Japanese Pharmacopoeia, Brotizolam tablets)

Data No. LB101-0894



### Conditions

**System** : GL-7400 HPLC system  
**Column** : Inertsil WP300 C18  
(5 $\mu$ m, 150 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-05845  
**Eluent** : A) CH<sub>3</sub>CN  
B) H<sub>2</sub>O  
A/B = 37/63, v/v  
**Flow Rate** : 1.0 mL/min  
**Col. Temp.** : 30 °C  
**Detection** : UV 240 nm (GL-7452 PDA Detector)  
**Injection Vol.** : 200  $\mu$ L  
**Sample** : Standard

### Analyte:

1. Brotizolam 140  $\mu$ g/L

Theoretical plates : 11,204 ( $\geq$  2,000)  
Tailing factor : 1.09 ( $\leq$  2.0)  
RSD of the  
peak area (n=6) : 0.62 ( $\leq$  2.0)