

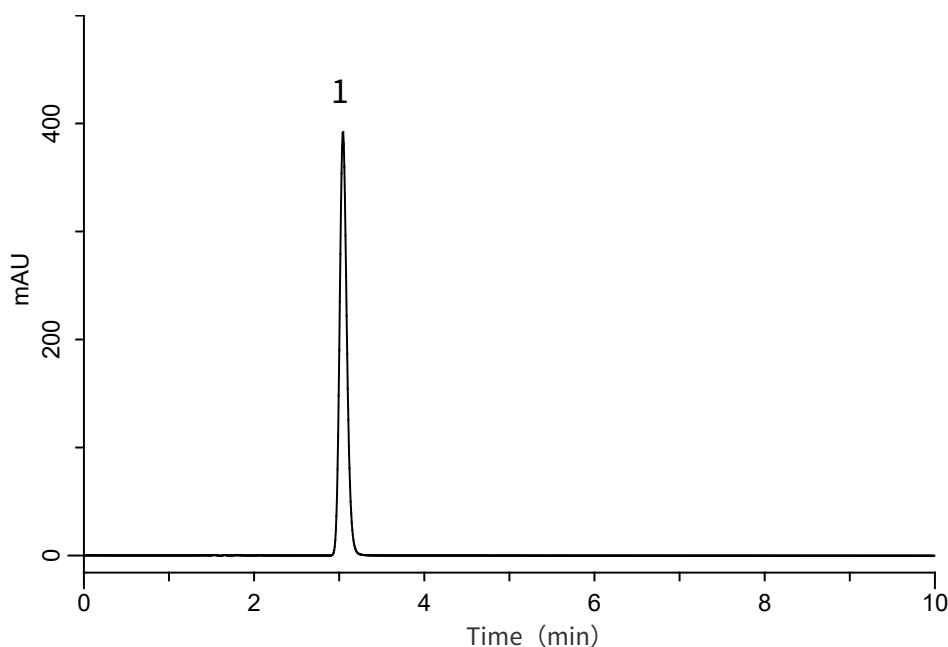
# InertSearch™ for LC

Inertsil® Applications

## Analysis of Brotizolam

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

Data No. LB254-0894



### 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) 1.1 g/L (NH<sub>4</sub>)<sub>2</sub>CO<sub>3</sub>  
A/B = 50/60, v/v  
**Flow Rate** : 1.25 mL/min  
**Col. Temp.** : 30 °C  
**Detection** : UV 240 nm (GL-7452 PDA Detector)  
**Injection Vol.** : 40  $\mu$ L  
**Sample** : Standard

### Analyte:

1. Brotizolam 25 mg/L  
Theoretical plates : 6,252 ( $\geq 3,000$ )  
Tailing factor : 1.14 ( $\leq 2.0$ )  
RSD of the  
peak area (%) (n=6) : 0.22 ( $\leq 1.0$ )