

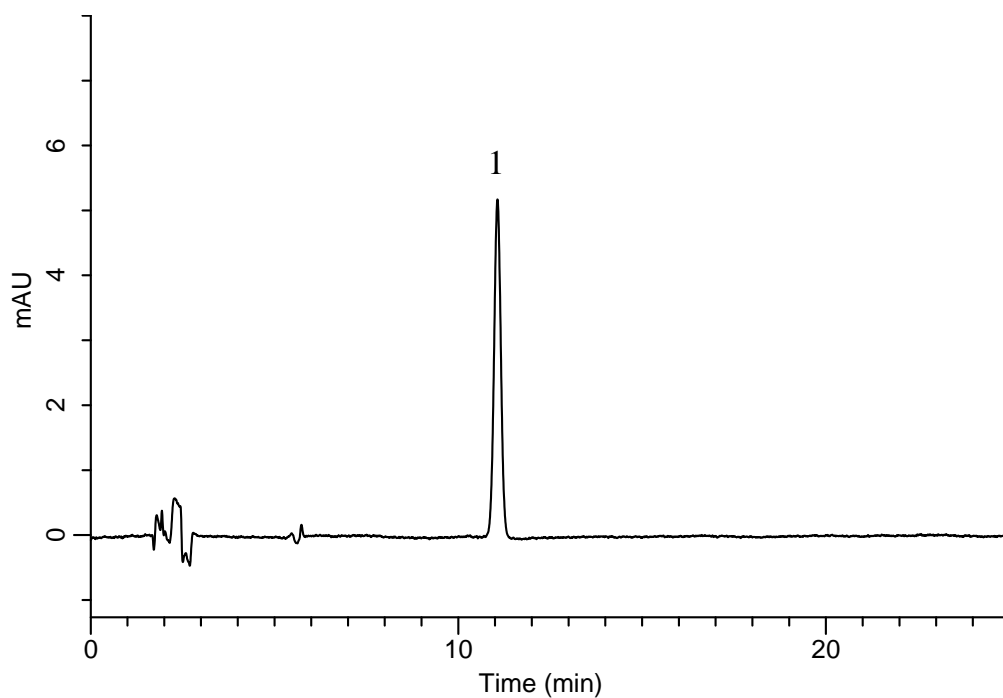
# InertSearch™ for LC

Inertsil® Applications

## Analysis of Olopatadine hydrochloride

(Under the Condition of Japanese Pharmacopoeia, Olopatadine hydrochloride Tablets)

Data No. LB055-0894



### Conditions

**System** : GL-7400 HPLC system  
**Column** : InertSustain C8  
(5  $\mu$  m, 250  $\times$  4.6 mm I.D.)  
**Column Cat. No.** : 5020-16028  
**Eluent** : CH<sub>3</sub>CN/50 mM KH<sub>2</sub>PO<sub>4</sub> (pH 3.5, H<sub>3</sub>PO<sub>4</sub>) = 9/11, v/v  
+ 2.3 g/L IPCC-12A  
(IPCC-12A : Sodium 1-Dodecylsulfate)  
**Flow Rate** : 1.1 mL/min  
**Col. Temp.** : 40 °C  
**Detection** : UV 299 nm (GL-7452 PDA Detector)  
**Injection Vol.** : 50  $\mu$  L  
**Sample** : Standard

### Analyte:

1. Olopatadine hydrochloride 2.8 mg/L

Theoretical plates : 17083  $\geq$  10000  
Tailing factor : 1.01  $\leq$  2.0  
RSD of the  
peak area (%) : 1.47  $\leq$  1.5 (n=6)