

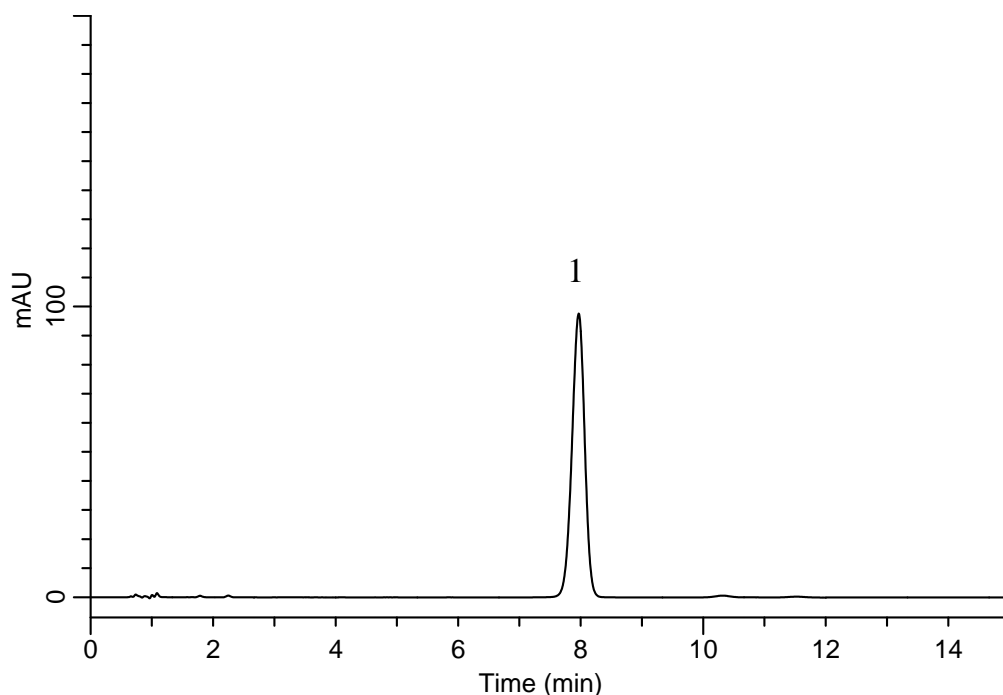
# InertSearch™ for LC

Inertsil® Applications

## Analysis of Clopidogrel sulfate

(Under the Condition of the Japanese Pharmacopoeia)

Data No. LB159-0894



### Conditions

**System** : GL-7400 HPLC system  
**Column** : InertSustain C18  
(5  $\mu$  m, 150 x 3.9 mm I.D.)  
**Column Cat. No.** : 5020-87030  
**Eluent** : A) 0.87 g/L IPCC-05 in H<sub>2</sub>O (pH 2.5, H<sub>3</sub>PO<sub>4</sub>)/CH<sub>3</sub>OH = 19/1, v/v  
(IPCC-05: Sodium 1-Pentanesulfonate)  
B) CH<sub>3</sub>CN/CH<sub>3</sub>OH = 19/1, v/v  
A/B = 60/40, v/v  
**Flow Rate** : 1.5 mL/min  
**Col. Temp.** : 30 °C  
**Detection** : UV 220 nm (GL-7452 PDA Detector)  
**Injection Vol.** : 10  $\mu$  L  
**Sample** : Standard

### Analyte:

1. Clopidogrel sulfate 126 mg/L

Theoretical plates : 7,030 ( $\geq$  4,500)  
Tailing factor : 0.94 ( $\leq$  2.0)