

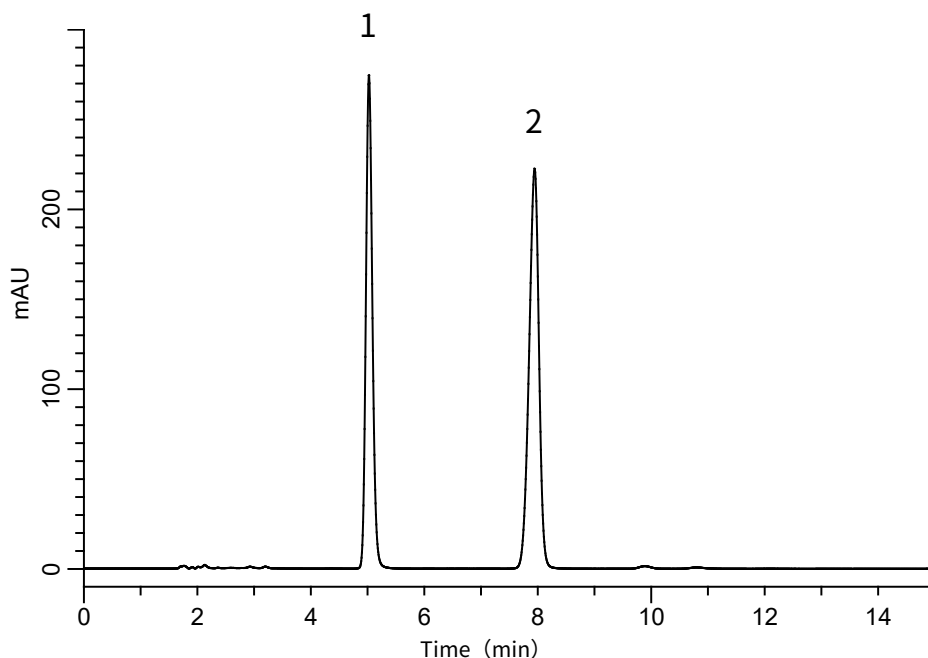
# InertSearch™ for LC

Inertsil® Applications

## Analysis of Clopidogrel sulfate

(Under the Condition of the Japanese Pharmacopoeia,  
Clopidogrel sulfate Tablets)

Data No. LB162-0894



### Conditions

**System** : GL-7400 HPLC system

**Column** : Inertsil WP300 C18  
(5  $\mu$ m, 150 x 3.9 mm I.D.)

**Column Cat. No.** : 5020-

**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** : 0.8 mL/min

**Col. Temp.** : 30 °C

**Detection** : UV 220 nm (GL-7452 PDA Detector)

**Injection Vol.** : 10  $\mu$ L

**Sample** : Standard

### Analyte:

1. *p*-Hydroxybenzoic acid *iso*-propyl ester 133 mg/L  
2. Clopidogrel sulfate 132 mg/L

Resolution (1, 2) : 11.1 ( $\geq 4$ )

RSD of the peak  
area ratio of

1 to 2 (%) (n=6) : 0.07 ( $\leq 1.0$ )

Theoretical plates (1) : 9,524

Theoretical plates (2) : 10,078

Tailing factor (1) : 1.14

Tailing factor (2) : 0.91