

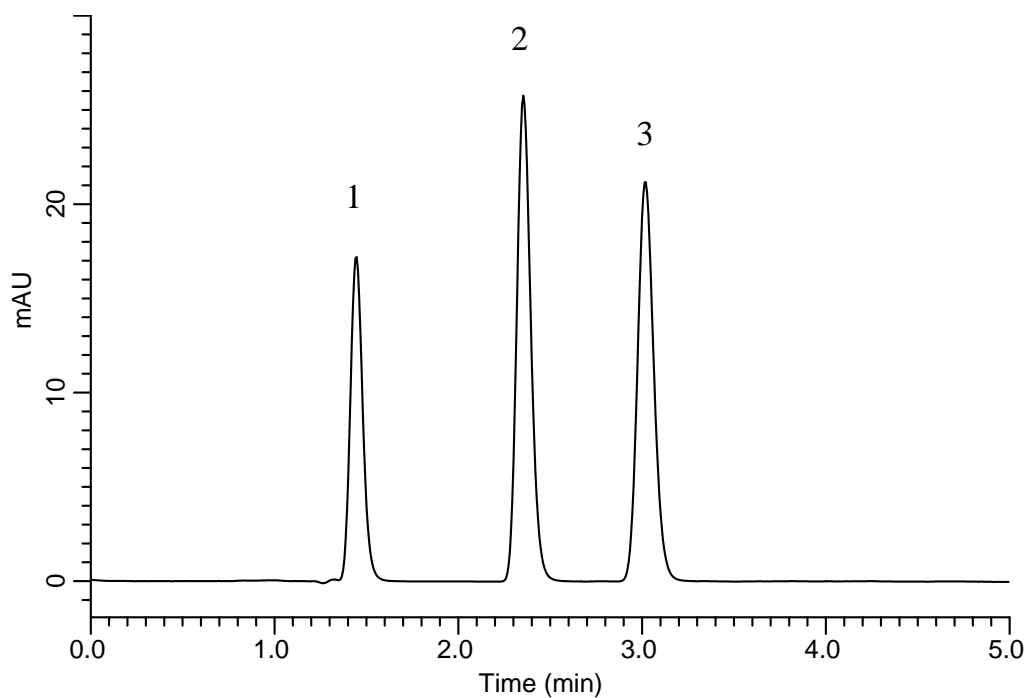
# InertSearch™ for LC

Inertsil® Applications

## Analysis of *p*-Hydroxybenzoic acid ethyl ester

(Under the Condition of Japanese Pharmacopoeia)

Data No. LB097-0894



### Conditions

**System** : GL-7400 HPLC system  
**Column** : Inertsil ODS-4  
(5  $\mu$  m, 150 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-03945  
**Eluent** : A) CH<sub>3</sub>OH  
B) 50 mM KH<sub>2</sub>PO<sub>4</sub>  
A/B = 13/7, v/v  
**Flow Rate** : 1.3 mL/min  
**Col. Temp.** : 35 °C  
**Detection** : UV 272 nm (GL-7452 PDA Detector)  
**Injection Vol.** : 10  $\mu$  L  
**Sample** : Standard

### Analyte:

1. *p*-Hydroxybenzoic acid 5 mg/L  
2. *p*-Hydroxybenzoic acid methyl ester 5 mg/L  
3. *p*-Hydroxybenzoic acid ethyl ester 5 mg/L

Relative retention time (1 to 3) : 0.48 (about 0.5)  
Relative retention time (2 to 3) : 0.78 (about 0.8)  
Resolution (2, 3) : 4.45 ( $\geq$  2.0)