

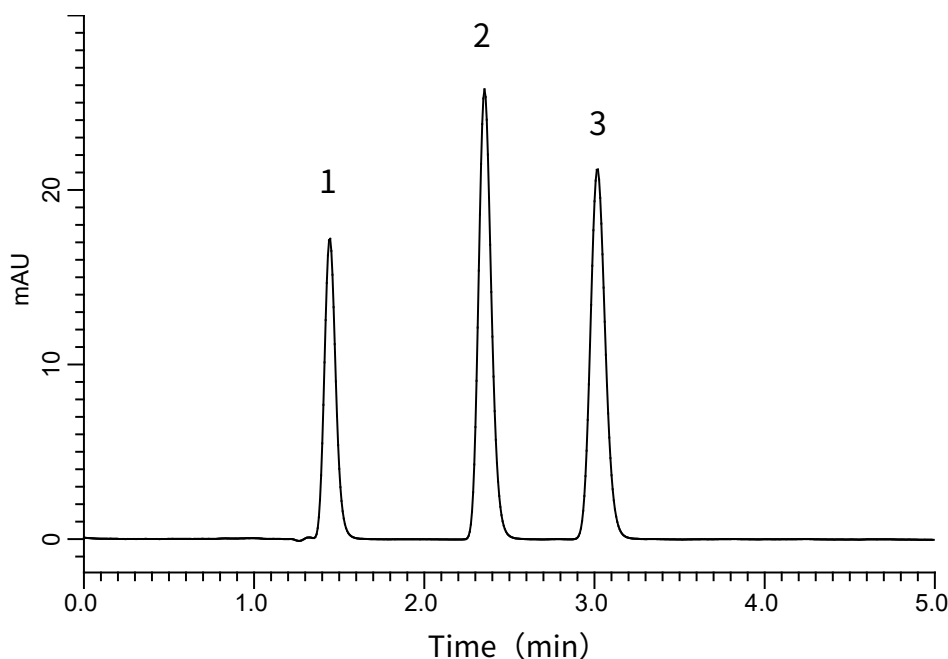
InertSearch™ for LC

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 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-03945
Eluent : A) CH₃OH
B) 50 mM KH₂PO₄
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 μ 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)