

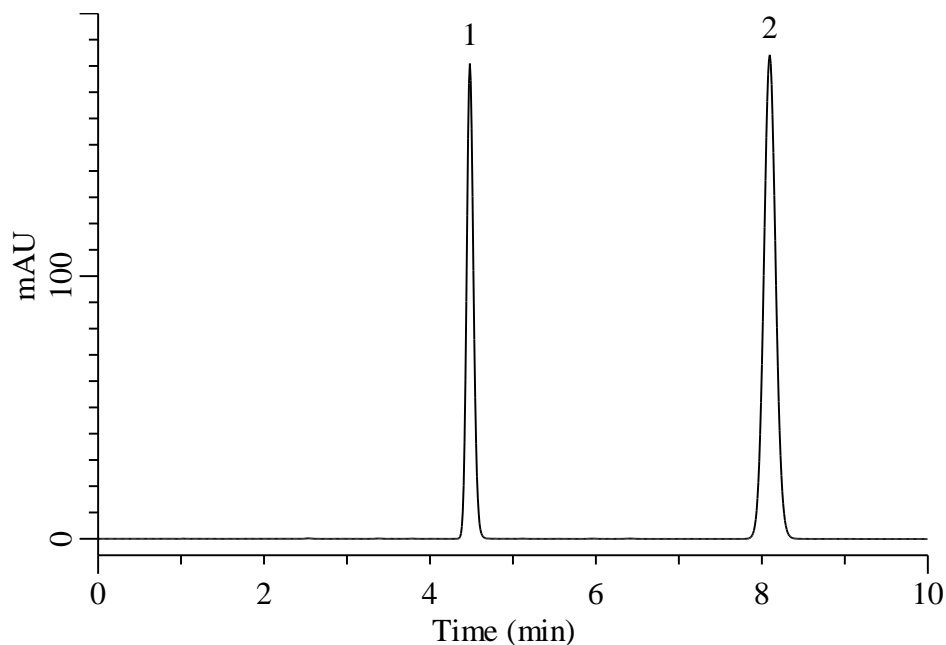
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Inertsil® Applications

Analysis of Fenofibrate

(Under the Condition of the Japanese Pharmacopoeia 18th)

Data No. LB757-0919



Conditions

System : Primaide HPLC system (HITACHI)
Column : Inertsil ODS-4 (GL Sciences Inc.)
(5 μ m, 150 x 4.6 mm I.D.)

Column Cat. No. : 5020-03945

Eluent : A) CH₃CN
B) Buffer*
A/B = 70/30, v/v

Flow Rate : 0.6 mL/min

Col. Temp. : 40 °C

Detection : UV 286 nm

Injection Vol. : 20 μ L

Sample : Standard

*Dissolve 3.1 g of sodium dihydrogen phosphate dihydrate in 1000 mL of water, and adjust the pH to 3.0 with diluted phosphoric acid (1 in 10).

Analyte:

1. 4-Chlorobenzophenone 44 mg/L
2. Fenofibrate 40 mg/L

Resolution (1, 2) : 17.2 (≥ 10)

RSD of the peak area
ratio of 2 to 1 (%) (n=6) : 0.07 (≤ 1.0)