

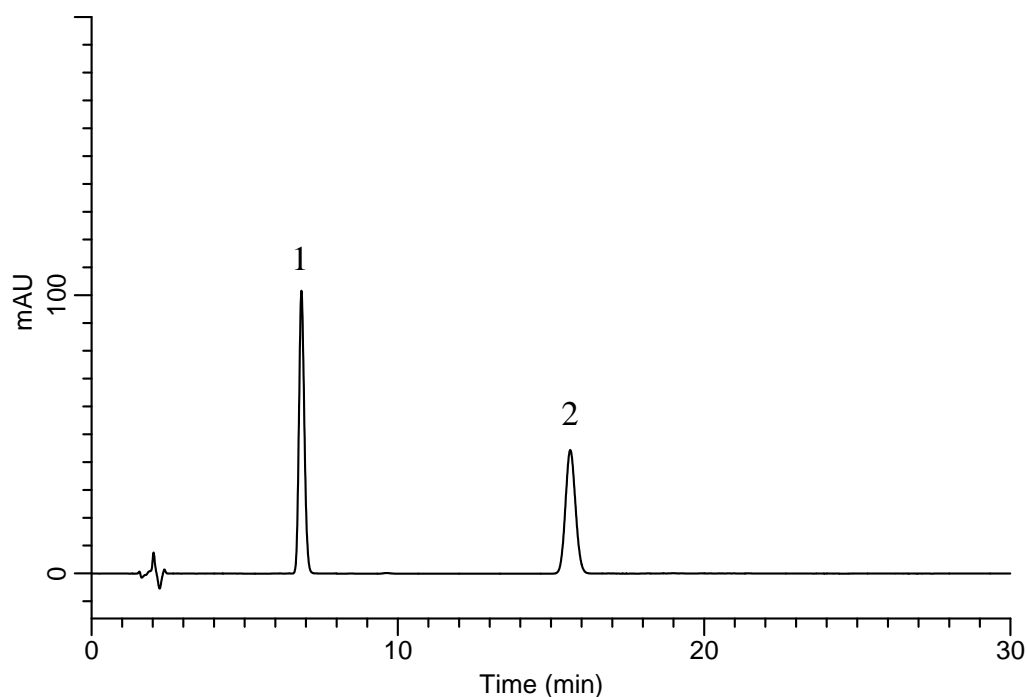
InertSearch™ for LC

Inertsil® Applications

Analysis of Pioglitazone hydrochloride

(Under the Condition of the Japanese Pharmacopoeia)

Data No. LB210-0894



Conditions

System : GL-7400 HPLC system
Column : InertSustain C18
(5 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-07345
Eluent : A) CH₃CN
B) 100 mM CH₃COONH₄
C) CH₃COOH
A/B/C = 25/25/1, v/v/v
Flow Rate : 0.75 mL/min
Col. Temp. : 25 °C
Detection : UV 269 nm (GL-7452 PDA Detector)
Injection Vol. : 20 μ L
Sample : Standard

Analyte:

1. Pioglitazone hydrochloride 50 mg/L
2. Benzophenone 13 mg/L

Resolution (1, 2) : 18.9 (≥ 10)
RSD of the peak
area ratio of
1 to 2 (%) (n=6) : 0.22 (≤ 1.0)