

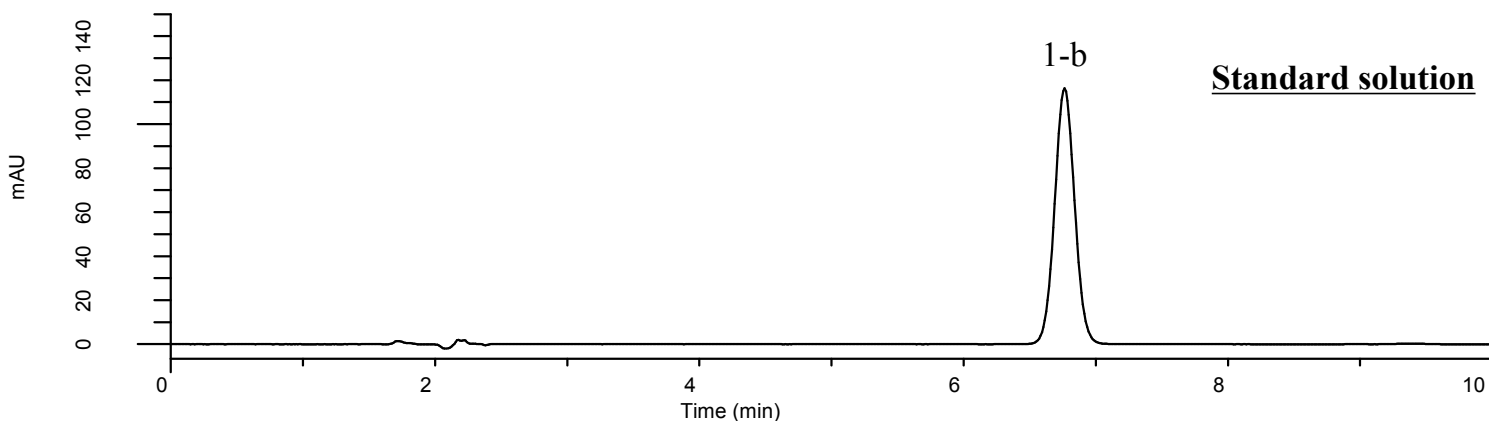
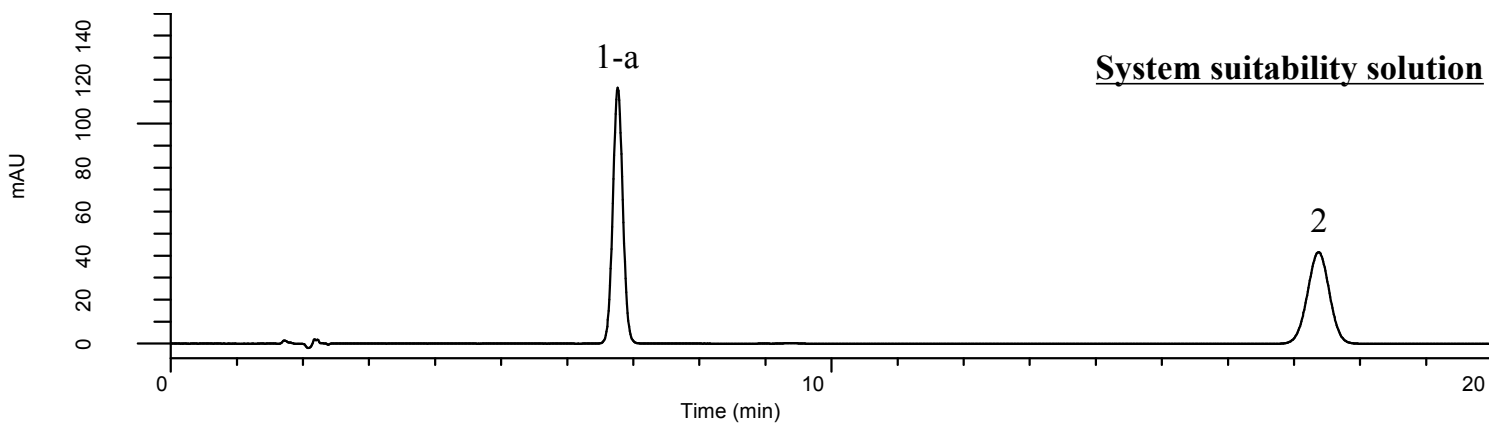
InertSearch™ for LC

Inertsil® Applications

Analysis of Pioglitazone hydrochloride

(Under the Condition of the draft for USP)

Data No. LB512-0919



Conditions

System : GL7700 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 in H₂O
C) CH₃COOH
A/B/C = 25/25/1, v/v/v
Flow Rate : 0.7 mL/min
Col. Temp. : 25 °C
Detection : UV 269 nm (PD7752 PDA Detector)
Injection Vol. : 20 μ L
Sample : Standard

Analyte:

1. Pioglitazone hydrochloride 50 μ g/mL
2. Benzophenone 13 μ g/mL

Tailing factor (1-a) : 1.03 (\leq 1.5)
Tailing factor (2) : 1.00 (\leq 1.5)
Resolution (1-a, 2) : 23.6 (\geq 15)
RSD of the
1-b area (n=6) : 0.25 (\leq 2.0)