

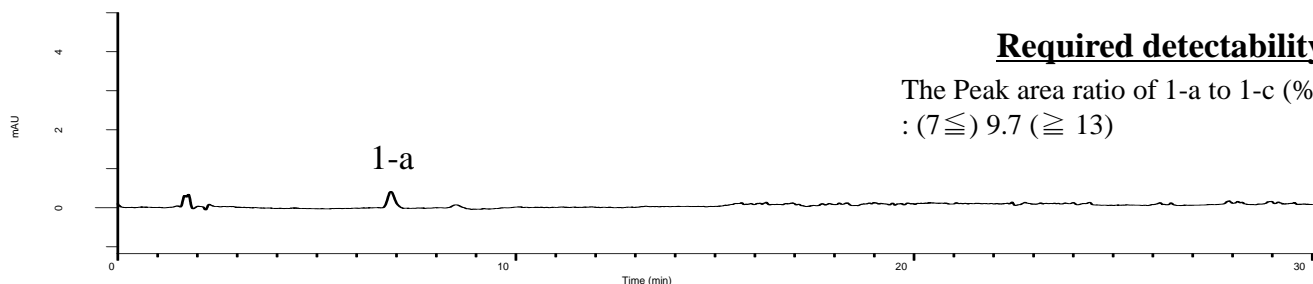
InertSearch™ for LC

Inertsil® Applications

Analysis of Pioglitazone hydrochloride

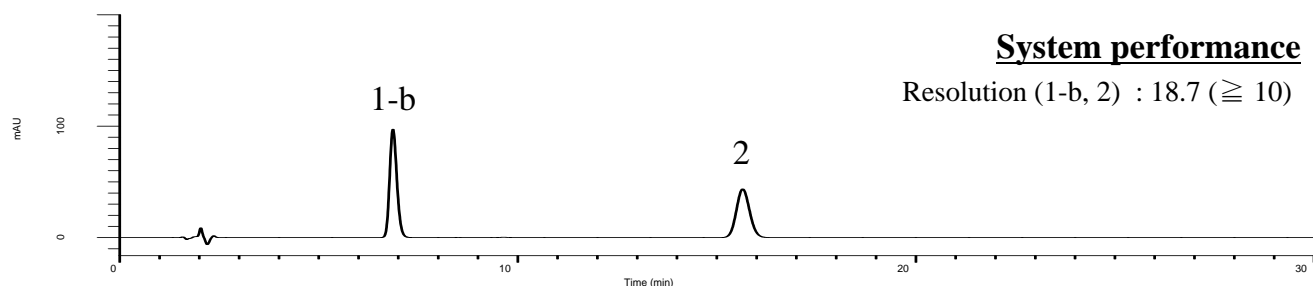
(Under the Condition of the Japanese Pharmacopoeia)

Data No. LB209-0894



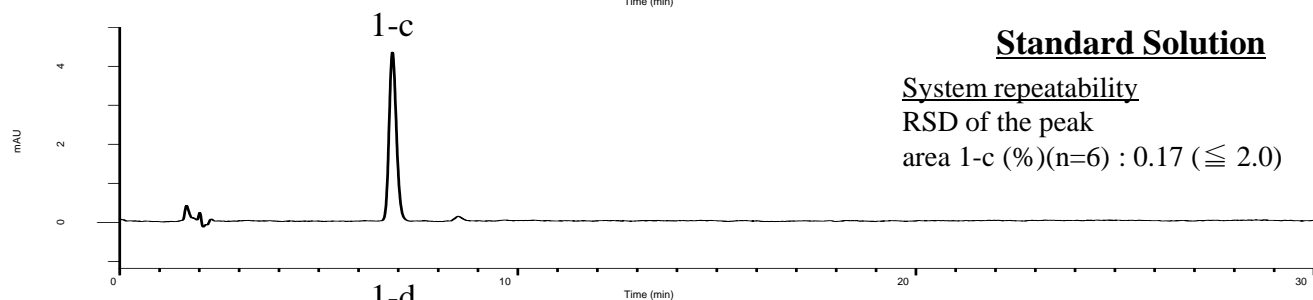
Required detectability

The Peak area ratio of 1-a to 1-c (%)
: (7 ≤) 9.7 (≥ 13)



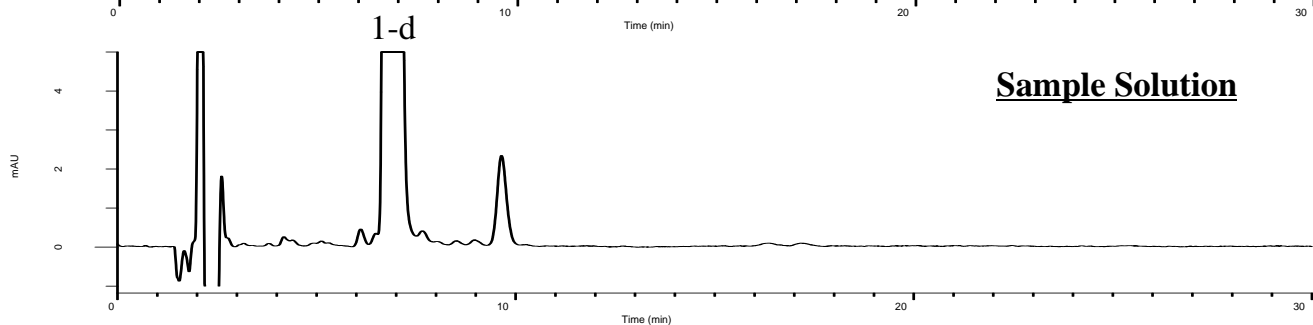
System performance

Resolution (1-b, 2) : 18.7 (≥ 10)



Standard Solution

System repeatability
RSD of the peak
area 1-c (%) (n=6) : 0.17 (≤ 2.0)



Sample Solution

Conditions

System : GL-7400 HPLC system
Column : InertSustain C18
(5 μm, 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. : 40 μL
Sample : Standard

Analyte:

1. Pioglitazone hydrochloride
2. Benzophenone