

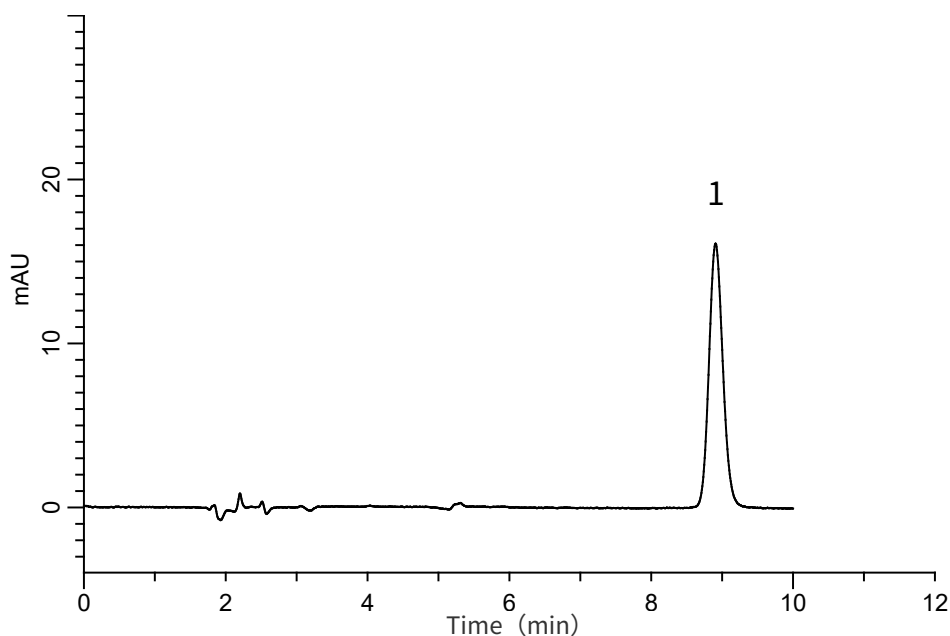
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Inertsil® Applications

Analysis of Pioglitazone hydrochloride

(Under the Condition of the Japanese Pharmacopoeia,
Pioglitazone hydrochloride and Metformin hydrochloride Tablets)

Data No. LB188-0894



Conditions

System : GL-7400 HPLC system
Column : Inertsil C8-3
(5 μ m, 150 x 6.0 mm I.D.)
Column Cat. No. : 5020-04955
Eluent : 7.2 g/L Sodium lauryl sulfate in (5.75 g/L
NH₄H₂PO₄ in H₂O/CH₃CN = 1/1, v/v)
Flow Rate : 1.15 mL/min
Col. Temp. : 25 °C
Detection : UV 225 nm (GL-7452 PDA Detector)
Injection Vol. : 5 μ L
Sample : Standard

Analyte:

1. Pioglitazone	18.5 mg/L
Theoretical plates	: 10,171 ($\geq$ 8,000)
Tailing factor	: 1.12 ($\leq$ 2.0)
RSD of the peak area (%) (n=6)	: 0.13 ($\leq$ 1.0)