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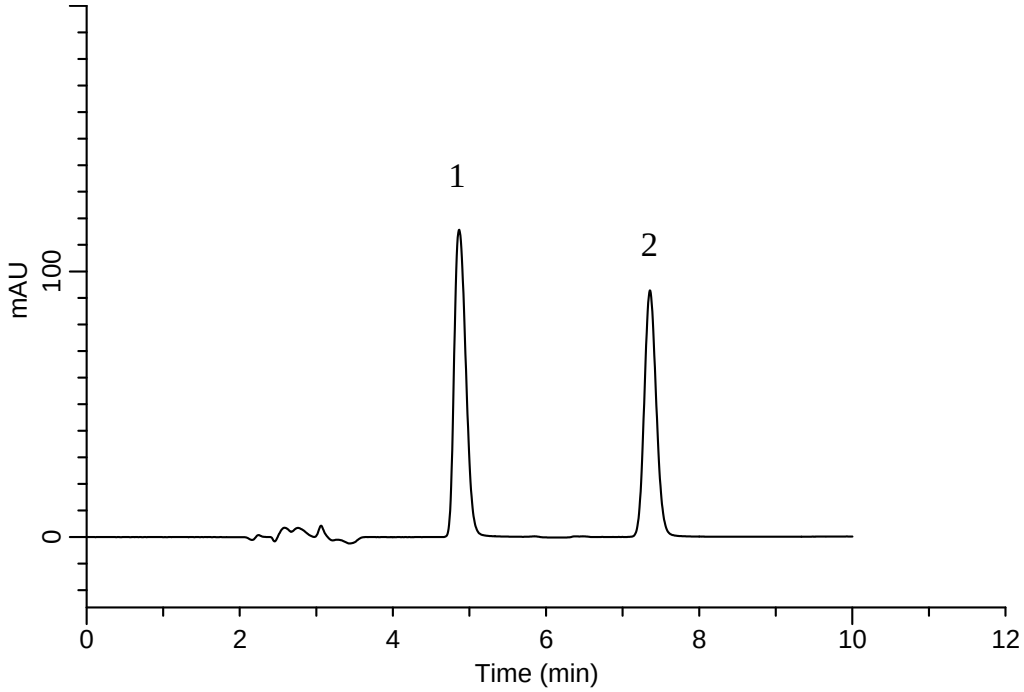
Inertsil ® Applications

Analysis of Metformin hydrochloride

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

Data No. LB194-0894



Conditions

System : GL-7400 HPLC system
Column : Inertsil C8-3 (5 μm, 150 x 6.0 mm I.D.)
Column Cat. No. : 5020-04955
Eluent : 7.2 g/L Sudium lauryl sulfate in (5.75 g/L $NH_4H_2PO_4$ in H_2O/CH_3CN = 1/1, v/v)
Flow Rate : 0.95 mL/min
Col. Temp. : 25 ℃
Detection : UV 255 nm (GL-7452 PDA Detector)
Injection Vol. : 10 μL
Sample : Standard

Analyte:

1. Metformin	250 mg/L
2. *p*-Methoxyacetophenone	25 mg/L

Resolution (1, 2)	: 8.74 (≧ 2.5)
RSD of the peak area ratio of 1 to 2 (%)(n=6)	: 0.46 (≦ 1.0)