

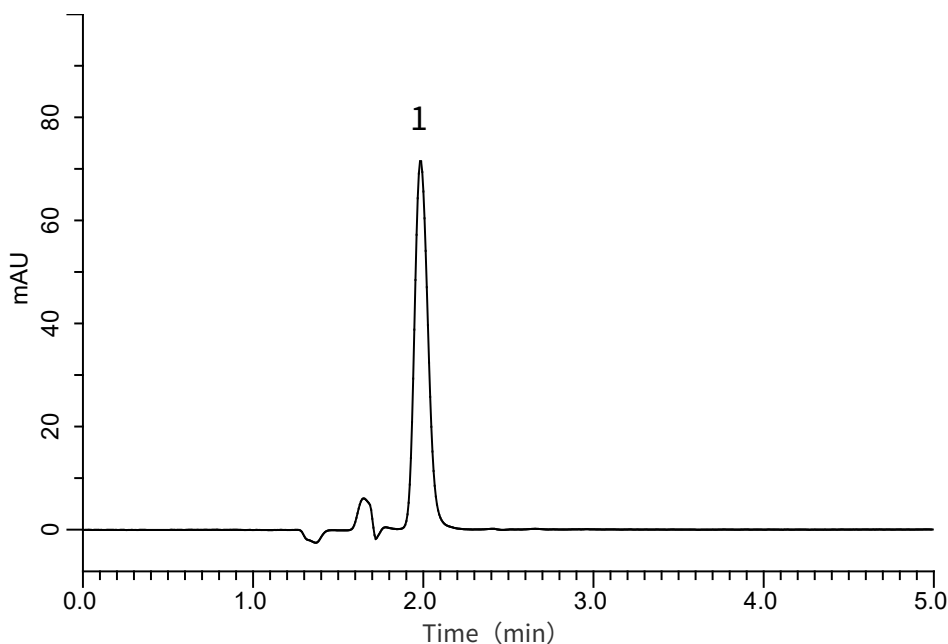
InertSearch™ for LC

Inertsil® Applications

Analysis of Acarbose

(Under the Condition of the Japanese Pharmacopoeia, Acarbose Tablets)

Data No. LB243-0894



Conditions

System : GL-7400 HPLC system
Column : Inertsil WP300 C18
(5 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-05845
Eluent : A) CH₃CN
B) (0.60 g/L KH₂PO₄ + 0.70 g/L Na₂HPO₄ · 12H₂O) in H₂O A/B = 5/95, v/v
Flow Rate : 1.4 mL/min
Col. Temp. : 40 °C
Detection : UV 210 nm (GL-7452 PDA Detector)
Injection Vol. : 50 μ L
Sample : Standard

Analyte:

1. Acarbose 56 mg/L
Theoretical plates : 2,976 ($\geq$ 500)
Tailing factor : 1.19 ($\leq$ 2.5)
RSD of the peak area (%) (n=6) : 0.08 ($\leq$ 2.0)