

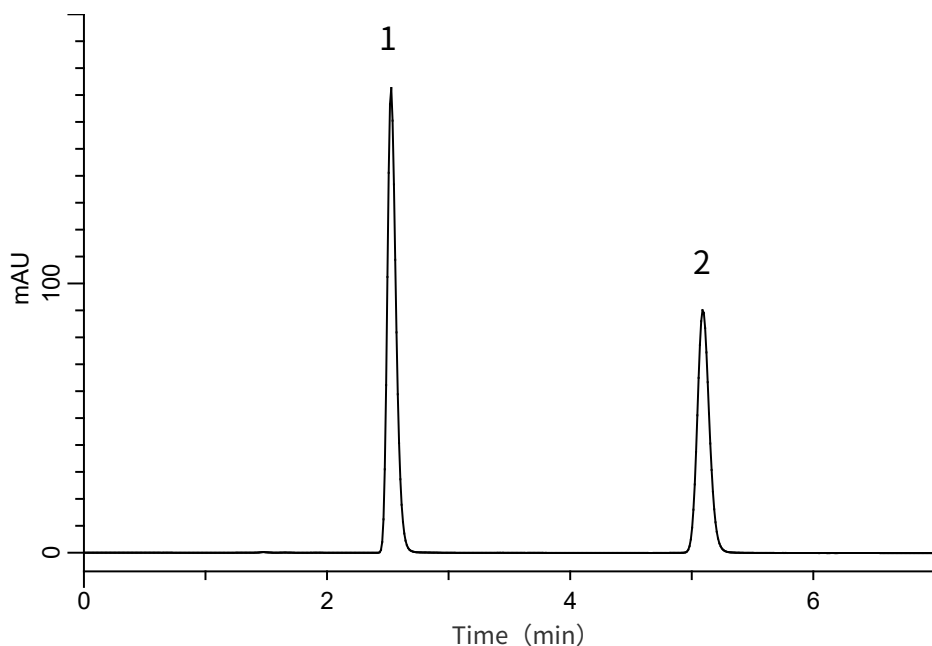
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Inertsil® Applications

Analysis of Tamsulosin hydrochloride

(Under the Condition of the Japanese Pharmacopoeia)

Data No. LB293-0894



Conditions

System : GL7700 HPLC system
Column : Inertsil ODS-80A
(5 μ m, 150 x 4.0 mm I.D.)

Column Cat. No. : 5020-01623

Eluent : A) CH₃CN
B) Solution*
A/B = 50/50, v/v

Flow Rate : 0.64 mL/min

Col. Temp. : 40 °C

Detection : UV 225 nm (PD7752 PDA Detector)

Injection Vol. : 10 μ L

Analyte:

1. Tamsulosin hydrochloride 25 mg/L
2. *p*-Hydroxybenzoic acid *n*-propyl ester 50 mg/L

Resolution (1, 2) : 16.4 (≥ 12)

* Dissolve 4.4 mL of Perchloric acid and 1.5 g of Sodium hydroxide in 950 mL of water.
Adjust pH 2.0 by Sodium hydroxide solution (1 mol/L).
Add water to make 1,000 mL.