

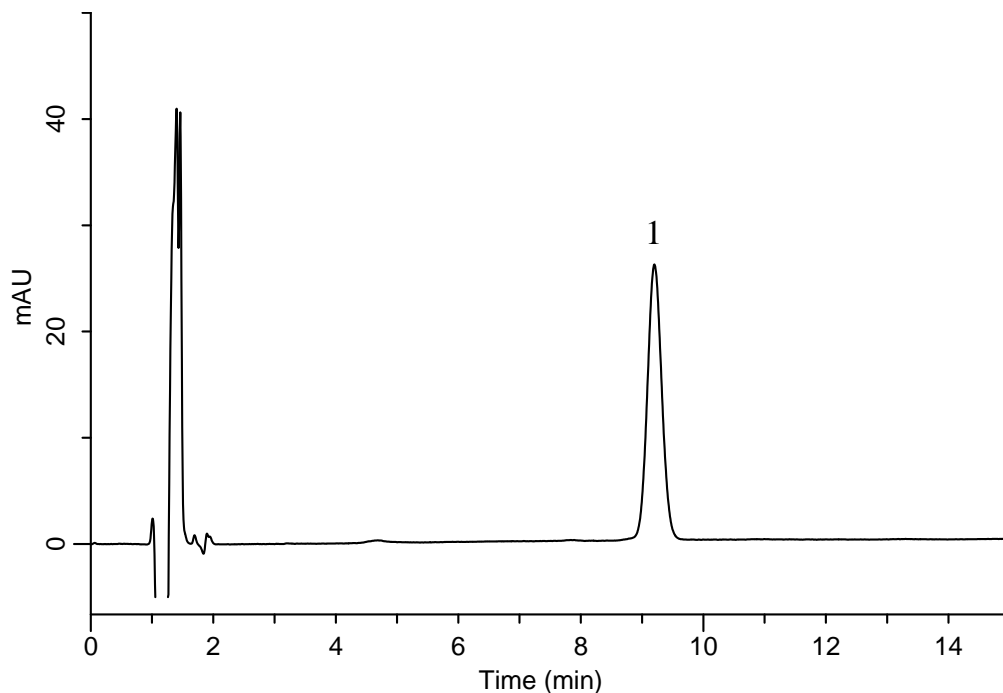
InertSearch™ for LC

Inertsil® Applications

Analysis of Atorvastatin Calcium

(Under the Condition of Japanese Pharmacopoeia, Atorvastatin Calcium Tablets)

Data No. LB024-0894



Conditions

System : GL-7400 HPLC system
Column : InertSustain C18 (5 μ m, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-07346
Eluent : A) THF
 : B) CH₃CN
 : C) Citric acid buffer*
 : A/B/C = 20/27/53, v/v/v (Premix)
Flow rate : 1.8 mL/min
Col. Temp. : 30 °C
Detection : UV 244 nm (GL-7452A PDA Detector)
Injection Vol. : 50 μ L
Sample : Standard

Analyte:

1. Atorvastatin calcium 0.006 mg/mL

Dissolution (Standard Solution)

	System suitability requirement	Result
Theoretical plate number (1)	$\geq 6,000$	7,286
Tailing factor (1)	≤ 2.0	1.05

* Dissolve 10.5 g of citric acid monohydrate in 900 mL of water.
Adjust pH 4.0 by 28 % ammonia solution.
Add water to make 1000 mL.