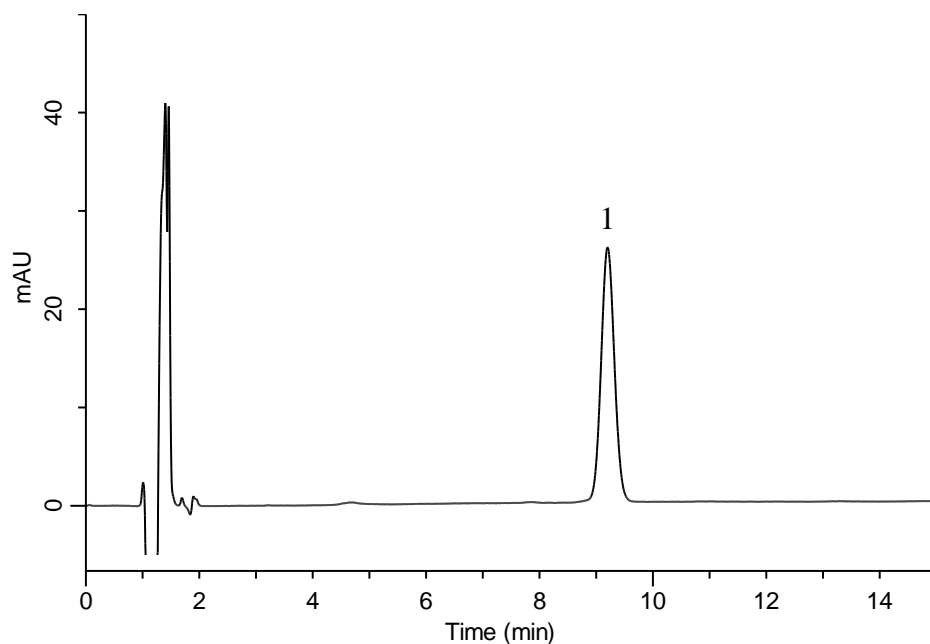


## Analysis of Atorvastatin Calcium

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



### Conditions

**System** : GL-7400 HPLC system  
**Column** : InertSustain C18 (5 $\mu$ m, 250 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-07346  
**Eluent** : A) THF  
           B) CH<sub>3</sub>CN  
           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  $\mu$ 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)	$\leq 2.0$	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.