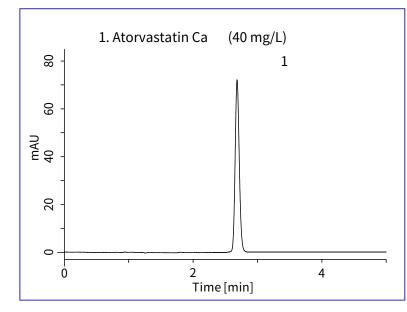
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Atorvastatin is one of the drug class known as statins. This kind of drugs are used for lowering cholesterol concentration in blood because statins inhibit HMG-CoA reductase, which are known to play an important role in production of cholesterol in liver tissue.

Among the members of ststains, atorvastatin is prescribed very

frequently. In this note, a determination method for atorvastatin is described. Using Inertsil C8-4, sharp peak was obtained from tablet samples as well as standard solution.

A chromatogram obtained from standard solution

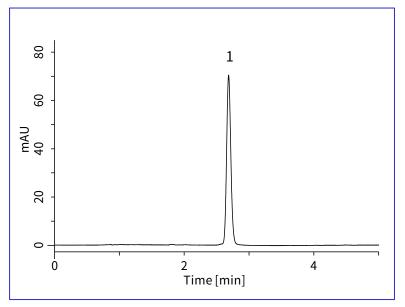


HPLC Conditions

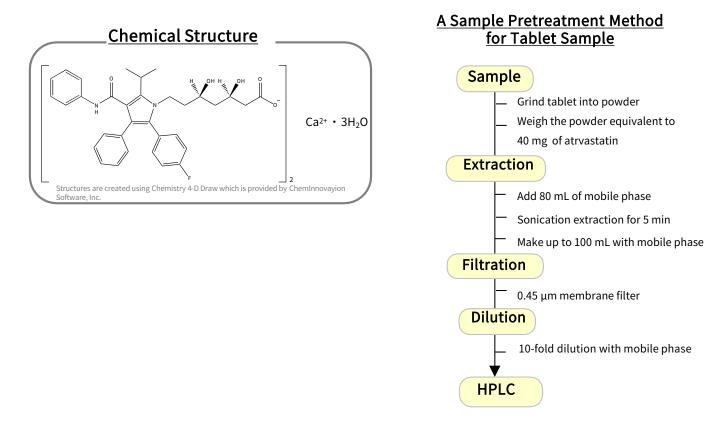
Column	: Inertsil C8-4 HP
	(3 μm, 100 x 4.6 mm l.D.)
Column Cat. No.	: 5020-14057
Eluent	: A) CH ₃ CN
	B) 50 mM CH_3COONH_4 (pH 5.0,
	CH ₃ COOH)
	A/B = 50/50, v/v
Flow rate	: 1.0 mL/min
Col. Temp.	: 25°C
Detection	: UV 240nm
Injection Vol.	: 5μL

A chromatogram obtained from tablet sample

The sample concentration was adjusted to 40 mg/L as atorvastatin.







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