

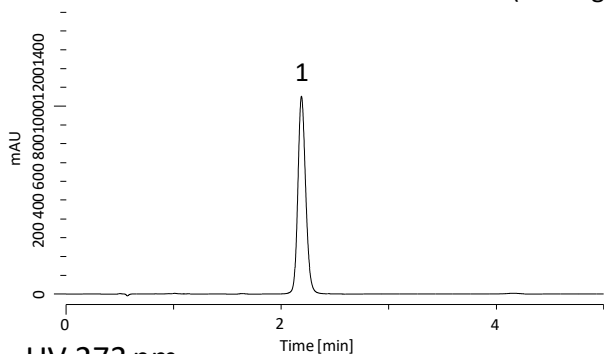
Valsartan is mainly used for treatment of high blood pressure. Valsartan dilates blood vessels and reduces blood pressure because it acts as an antagonist of angiotensin II receptor.

In this note, chromatograms of valsartan based on the condition described in the United States Pharmacopeia (USP) are shown. Using InertSustain C18, sharp peak was obtained from tablet samples as well as standard solution.

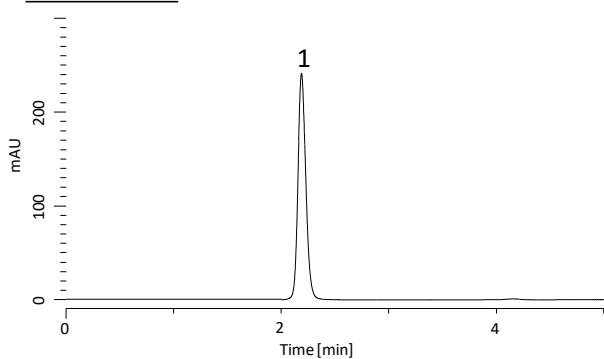
Standard solution

UV 225 nm

1. Valsartan (500 mg/L)



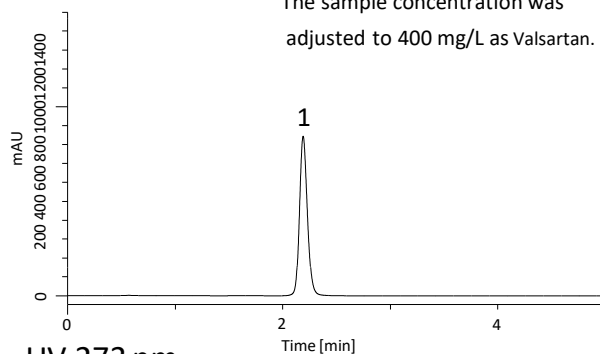
UV 273 nm



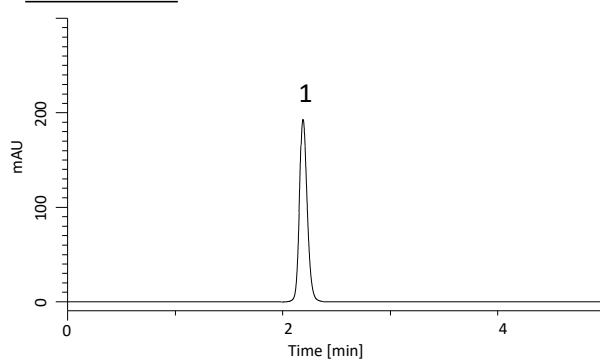
Tablet sample

UV 225 nm

The sample concentration was adjusted to 400 mg/L as Valsartan.



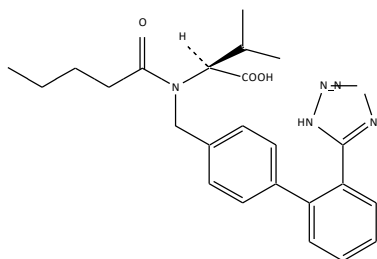
UV 273 nm



Conditions

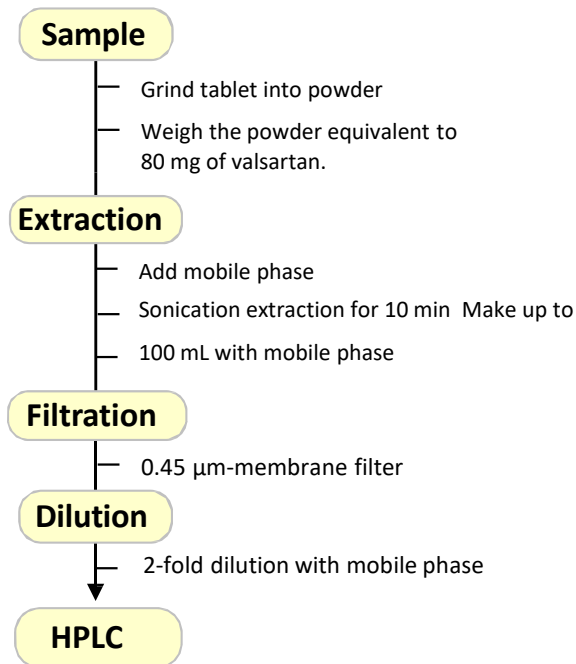
Column	: InertSustain C18 HP (3 μ m, 50 x 4.6 mm I.D.)
Column Cat. No.	: 5020-14442
Eluent	: A) CH ₃ CN B) CH ₃ COOH C) H ₂ O A/B/C = 500/1/500, v/v/v
Flow rate	: 1.0 mL/min
Temp. Detection	: 25 °C
Injection Volume	: UV 225 nm and 273 nm : 5 μ L

Chemical Structure



Structures are created using Chemistry 4-D Draw which is provided by ChemInnovation Software, Inc.

A sample pretreatment method for tablet sample



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