

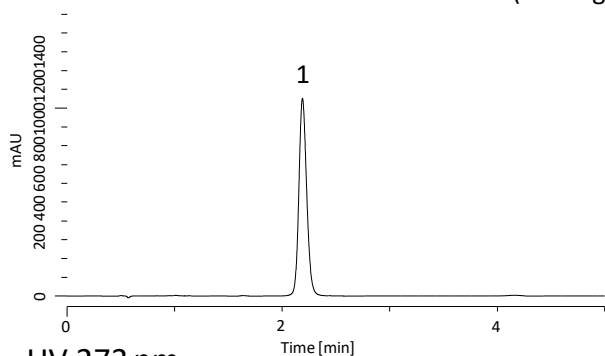
Valsartan is mainly used for treatment of high blood pressure. Valsartan dilates blood vessels and reduces blood pressure because it acts as an antagonist of angiotensin II receptor.

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.

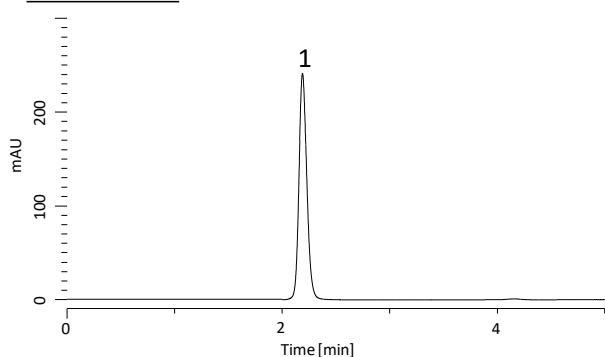
### Standard solution

#### UV 225 nm

1. Valsartan (500 mg/L)



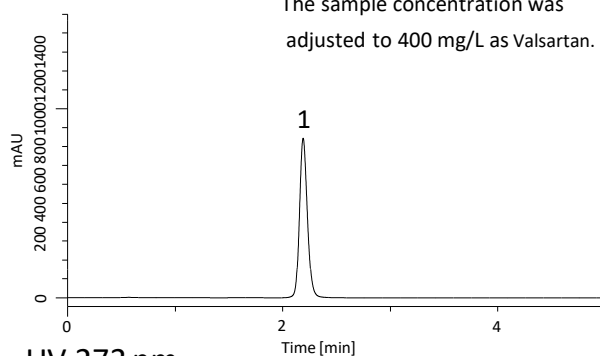
#### UV 273 nm



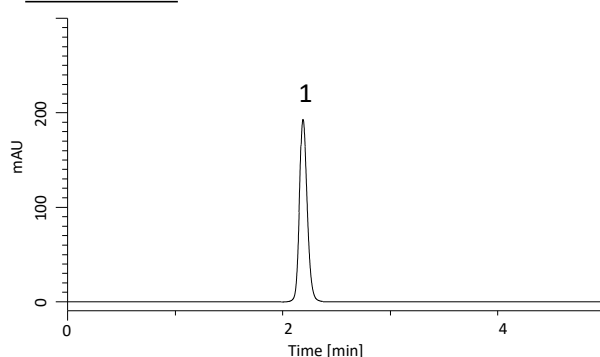
### Tablet sample

#### UV 225 nm

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



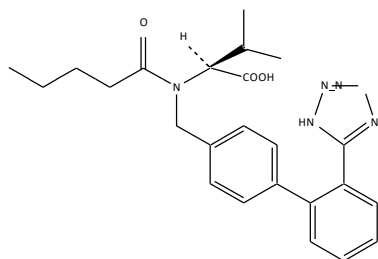
#### UV 273 nm



#### Conditions

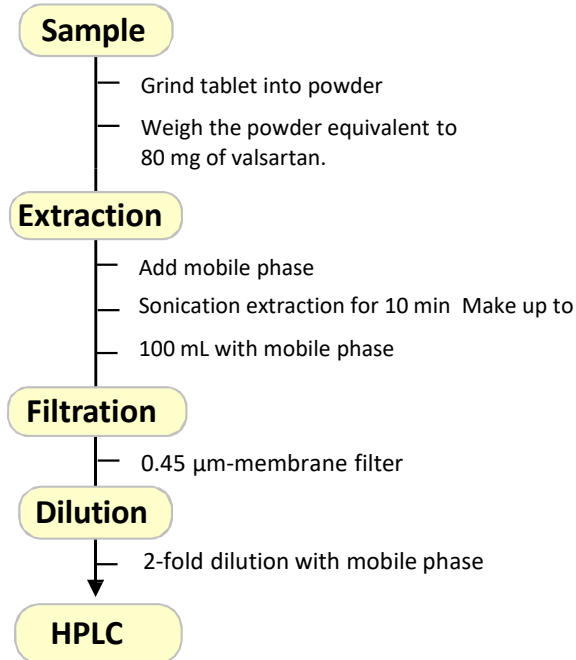
|                  |                                                                                                       |
|------------------|-------------------------------------------------------------------------------------------------------|
| Column           | : InertSustain C18 HP (3 $\mu$ m, 50 x 4.6 mm I.D.)                                                   |
| Column Cat. No.  | : 5020-14442                                                                                          |
| Eluent           | : A) CH <sub>3</sub> CN<br>B) CH <sub>3</sub> COOH<br>C) H <sub>2</sub> O<br>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<br>: 5 $\mu$ 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



GL Sciences disclaims any and all responsibility for any injury or damage which may be caused by this data directly or indirectly. We reserve the right to amend this information or data at any time and without any prior announcement.

### GL Sciences, Inc. Japan

22-1 Nishishinjuku 6-Chome  
Shinjuku-ku, Tokyo,  
163-1130, Japan  
Phone: +81-3-5323-6620  
Fax: +81-3-5323-6621  
Email: [world@glsciences.co.jp](mailto:world@glsciences.co.jp)  
Web: [www.glsciences.com](http://www.glsciences.com)

### GL Sciences B.V.

De Sleutel 9  
5652 AS Eindhoven  
The Netherlands  
Phone: +31 (0)40 254 95 31  
Email: [info@glsciences.eu](mailto:info@glsciences.eu)  
Web: [www.glsciences.eu](http://www.glsciences.eu)

### GL Sciences (ShangHai) Ltd.

Tower B, Room 2003,  
Far East International Plaza,  
NO,317 Xianxia Road,  
Changning District.  
Shanghai, China P.C. 200032  
Phone: +86 (0)21-6278-2272  
Email: [contact@glsciences.com.cn](mailto:contact@glsciences.com.cn)  
Web: [www.glsciences.com.cn](http://www.glsciences.com.cn)

### GL Sciences, Inc. USA

4733 Torrance Blvd. Suite 255  
Torrance, CA 90503  
Phone: 310-265-4424  
Fax: 310-265-4425  
Email: [info@glsciencesinc.com](mailto:info@glsciencesinc.com)  
Web: [www.glsciencesinc.com](http://www.glsciencesinc.com)

### International Distributors

Visit our Website at:

<https://www.glsciences.com/company/distributor.html>